

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110718\
 Data File : VU027995.D
 Acq On : 07 Nov 2018 11:07
 Operator : MD/SY
 Sample : VU1107WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:11:06 AM

Quant Time: Nov 07 11:28:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348323	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	316945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	150388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142670	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	4.89	113	108379	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.57	98	408910	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	10.31	95	148464	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	39736	15.453	ug/l	99
3) Chloromethane	1.33	50	52588	16.910	ug/l	99
4) Vinyl Chloride	1.40	62	52853	17.124	ug/l	94
5) Bromomethane	1.63	94	24891	21.930	ug/l	96
6) Chloroethane	1.70	64	31568	17.748	ug/l	98
7) Trichlorofluoromethane	1.89	101	64956	18.212	ug/l	99
8) Diethyl Ether	2.11	74	30182	19.764	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38957	18.387	ug/l	100
10) Methyl Iodide	2.41	142	27856	19.854	ug/l	100
11) Tert butyl alcohol	2.83	59	71698	90.020	ug/l	99
12) 1,1-Dichloroethene	2.29	96	35969	16.960	ug/l	99
13) Acrolein	2.20	56	31374	103.096	ug/l	100
14) Allyl chloride	2.59	41	89534	17.273	ug/l	96
15) Acrylonitrile	2.94	53	183573	93.829	ug/l	98
16) Acetone	2.32	43	165793	88.819	ug/l	100
17) Carbon Disulfide	2.48	76	112520	16.232	ug/l	98
18) Methyl Acetate	2.62	43	94419	18.388	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	161148	18.842	ug/l	99
20) Methylene Chloride	2.70	84	48725	17.878	ug/l	92
21) trans-1,2-Dichloroethene	2.99	96	41730	17.050	ug/l	96
22) Diisopropyl ether	3.58	45	200212	18.709	ug/l	97
23) Vinyl Acetate	3.53	43	853982	92.854	ug/l	100
24) 1,1-Dichloroethane	3.45	63	96987	18.195	ug/l	99
25) 2-Butanone	4.26	43	273002	91.931	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75646	18.911	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	53205	19.385	ug/l	97
28) Bromochloromethane	4.55	49	48570	19.437	ug/l	98
29) Tetrahydrofuran	4.64	42	175619	88.565	ug/l	99
30) Chloroform	4.68	83	89400	18.292	ug/l	97
31) Cyclohexane	5.00	56	93463	16.744	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	71293	18.325	ug/l	99
36) 1,1-Dichloropropene	5.14	75	64782	17.758	ug/l	99
37) Ethyl Acetate	4.39	43	97253	18.194	ug/l	98
38) Carbon Tetrachloride	5.14	117	57915	17.914	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	78917	17.936	ug/l	98
40) Benzene	5.39	78	206444	18.509	ug/l	98
41) Methacrylonitrile	4.54	41	54617	19.146	ug/l	99
42) 1,2-Dichloroethane	5.41	62	72524	18.293	ug/l	99
43) Isopropyl Acetate	5.55	43	155799	18.604	ug/l	100
44) Trichloroethene	6.19	130	43286	18.055	ug/l	100
45) 1,2-Dichloropropane	6.43	63	60882	18.927	ug/l	99
46) Dibromomethane	6.56	93	34855	18.851	ug/l	98
47) Bromodichloromethane	6.76	83	67628	18.980	ug/l	99
48) Methyl methacrylate	6.62	41	77156	18.801	ug/l	100
49) 1,4-Dioxane	6.61	88	26112	389.996	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	507219	90.692	ug/l	99
52) Toluene	7.64	92	120473	18.373	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	78126	18.404	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	85834	19.541	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	51029	19.128	ug/l	97
56) Ethyl methacrylate	8.02	69	89832	19.095	ug/l	99
57) 1,3-Dichloropropane	8.24	76	91530	18.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	238167	94.524	ug/l	100
59) 2-Hexanone	8.36	43	396416	91.644	ug/l	98
60) Dibromochloromethane	8.48	129	48764	19.317	ug/l	95
61) 1,2-Dibromoethane	8.59	107	53074	18.723	ug/l	99
64) Tetrachloroethene	8.23	164	36779	17.896	ug/l	98
65) Chlorobenzene	9.12	112	125992	18.815	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	42446	18.558	ug/l	97
67) Ethyl Benzene	9.25	91	232226	18.841	ug/l	100
68) m/p-Xylenes	9.38	106	168893	37.765	ug/l	99
69) o-Xylene	9.78	106	82350	18.235	ug/l	95
70) Styrene	9.79	104	135286	18.749	ug/l	100
71) Bromoform	9.96	173	36132	18.850	ug/l #	99
73) Isopropylbenzene	10.17	105	226736	19.462	ug/l	99
74) N-amyl acetate	10.02	43	136631	19.395	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	89811	19.111	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	92020m	22.370	ug/l	
77) Bromobenzene	10.45	156	51887	19.423	ug/l	100
78) n-propylbenzene	10.59	91	268380	19.245	ug/l	100
79) 2-Chlorotoluene	10.66	91	162013	19.382	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	186447	19.319	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33891m	20.726	ug/l	
82) 4-Chlorotoluene	10.77	91	179994	18.967	ug/l	99
83) tert-Butylbenzene	11.10	119	184998	19.174	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	190667	19.619	ug/l	99
85) sec-Butylbenzene	11.32	105	230400	19.635	ug/l	99
86) p-Isopropyltoluene	11.48	119	188983	19.266	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	93584	18.964	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	94354	18.654	ug/l	99
89) n-Butylbenzene	11.89	91	177525	19.043	ug/l	99
90) Hexachloroethane	12.15	117	33663	19.276	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	95159	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19581	19.774	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	60295	17.771	ug/l	100
94) Hexachlorobutadiene	13.69	225	30643	19.428	ug/l	97
95) Naphthalene	13.74	128	221799	17.863	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	63924	19.196	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

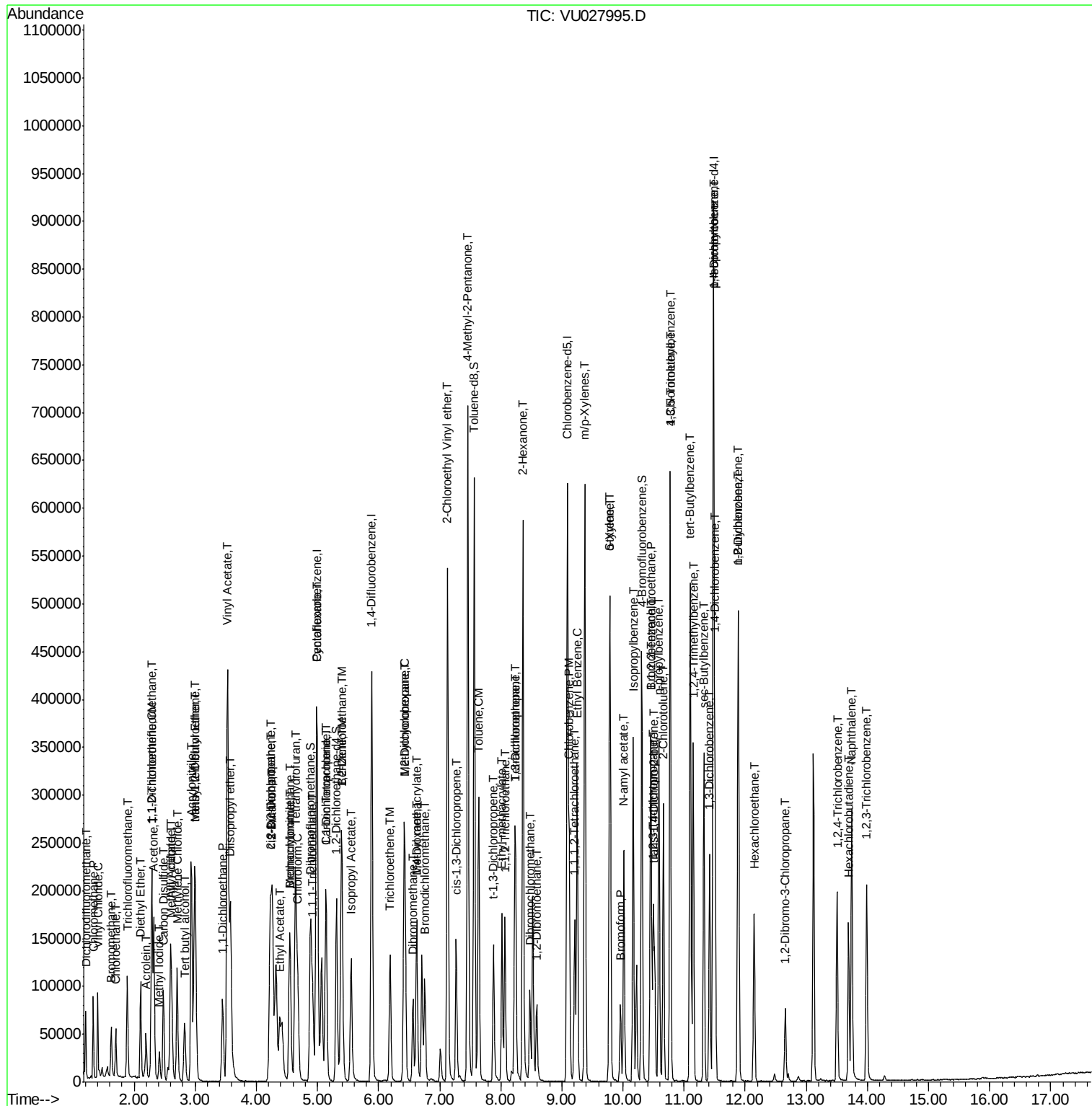
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110718\
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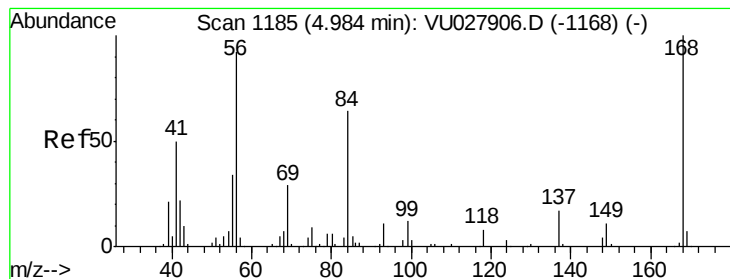
Instrument :
MSVOA_U
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion:168 Resp: 202359

Ion Ratio Lower Upper

168 100

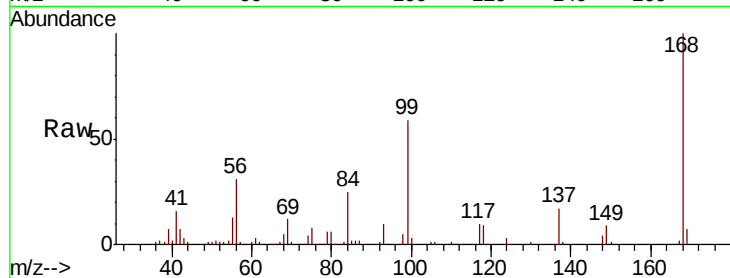
99 58.7 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

100000

80000

60000

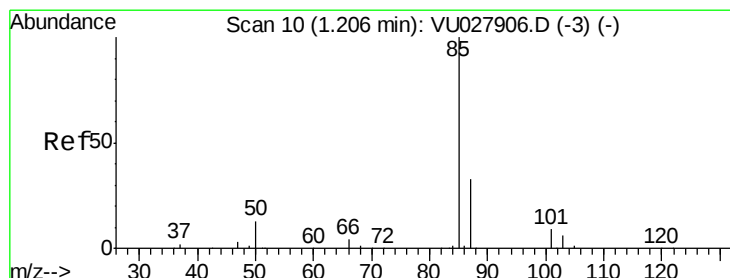
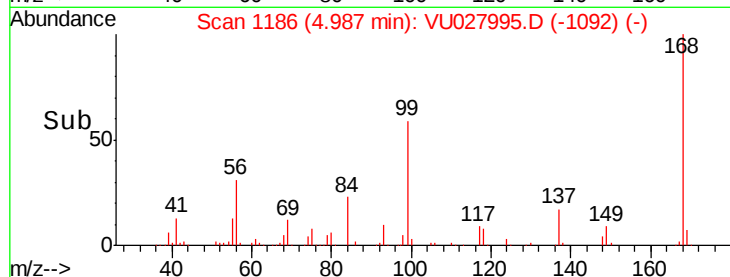
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.453 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027995.D

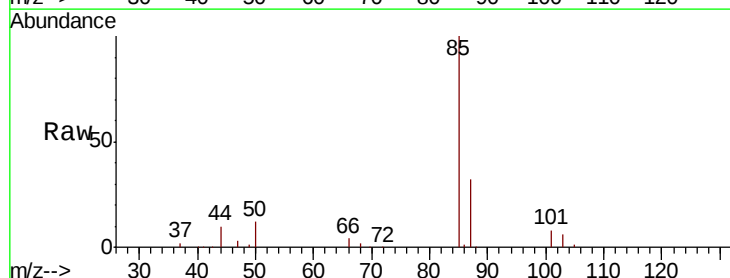
Acq: 07 Nov 2018 11:07

Tgt Ion: 85 Resp: 39736

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

40000

30000

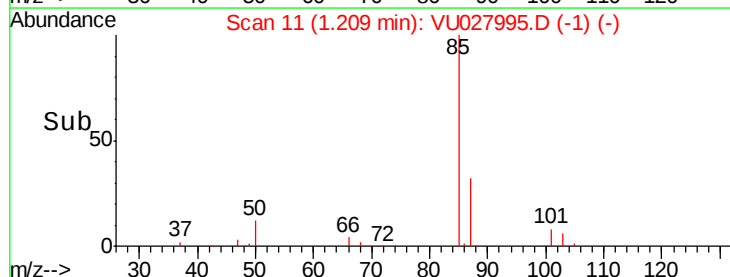
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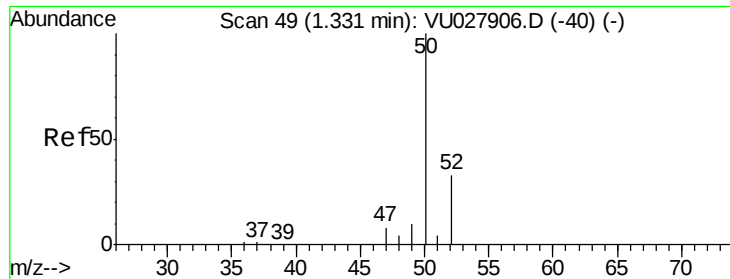
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.910 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 50 Resp: 52588

Ion Ratio Lower Upper

50 100

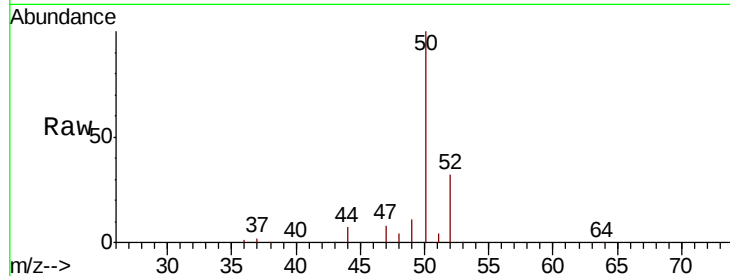
52 32.0 26.2 39.4

Manual Integrations

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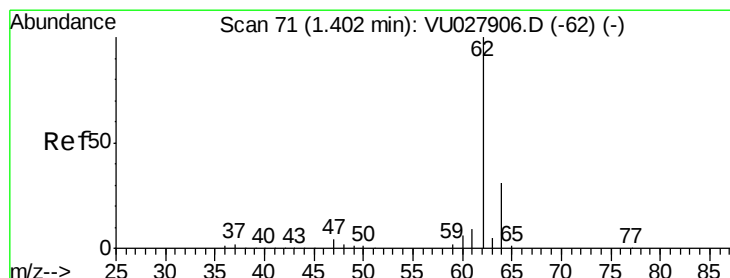
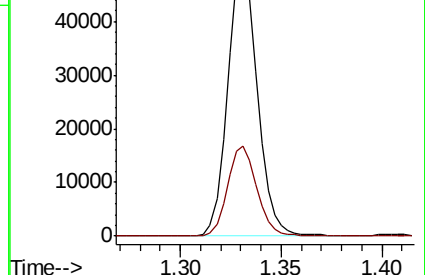
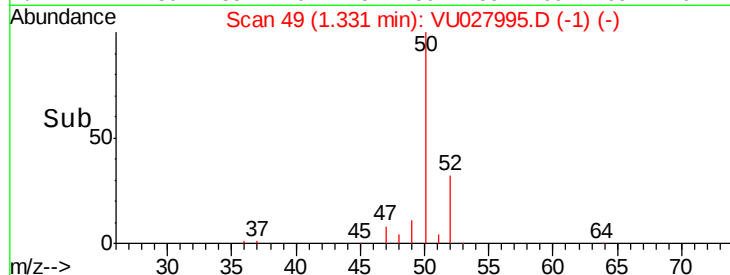


Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)

1.33

Time-->



#4

Vinyl Chloride

Concen: 17.124 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027995.D

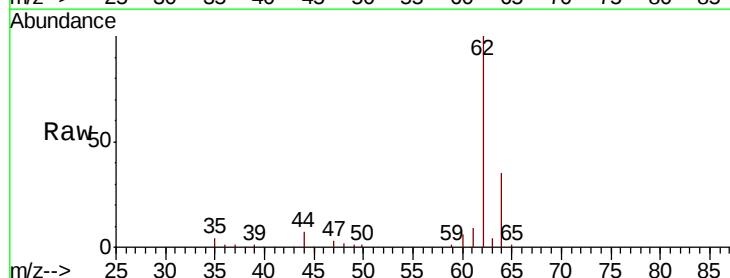
Acq: 07 Nov 2018 11:07

Tgt Ion: 62 Resp: 52853

Ion Ratio Lower Upper

62 100

64 35.1 25.2 37.8

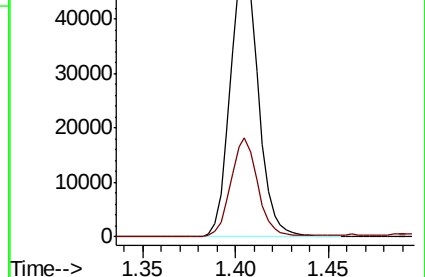
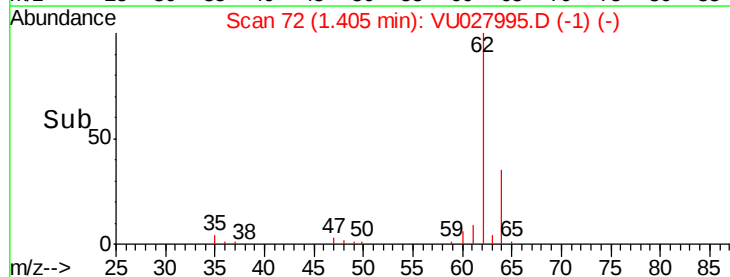


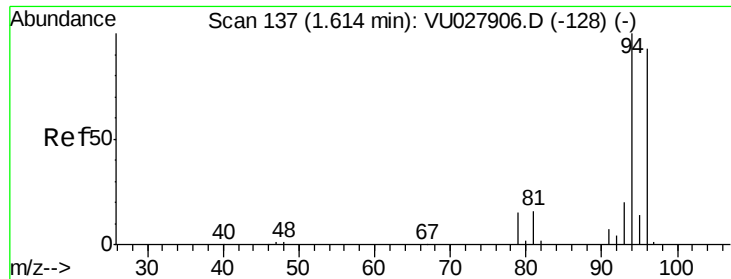
Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.40

Time-->





#5

Bromomethane

Concen: 21.930 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

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VU1107WBSD01

Tot Ion: 94 Resp: 24891

Ion Ratio Lower Upper

94 100

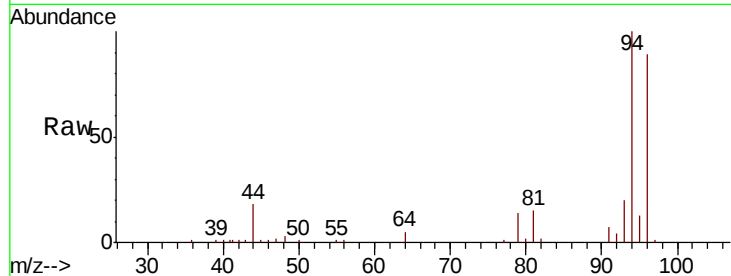
96 89.2 74.8 112.2

Manual Integrations

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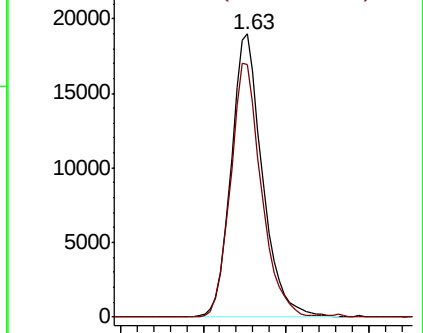
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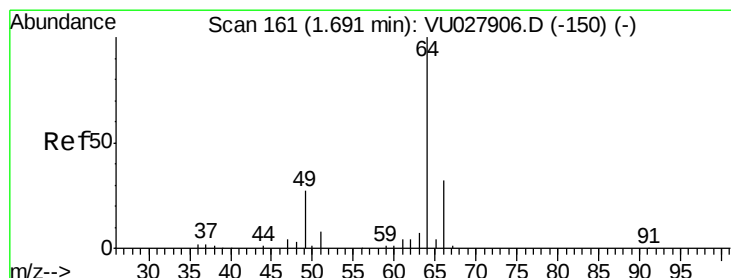
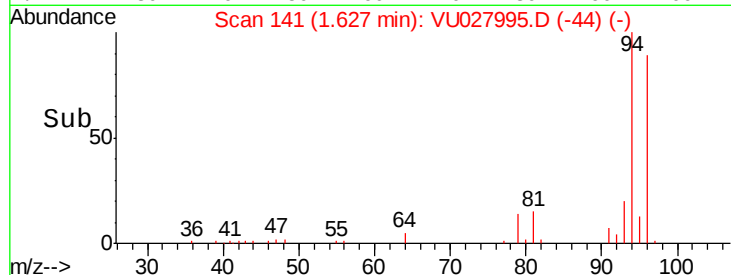


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 17.748 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027995.D

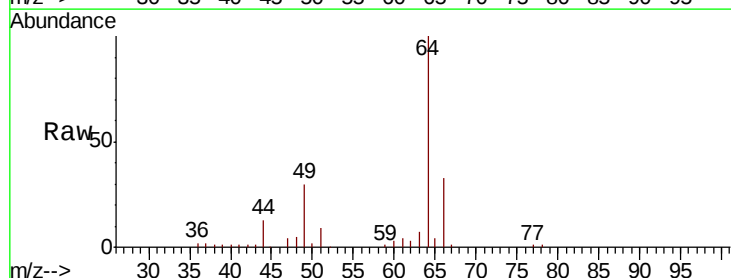
Acq: 07 Nov 2018 11:07

Tgt Ion: 64 Resp: 31568

Ion Ratio Lower Upper

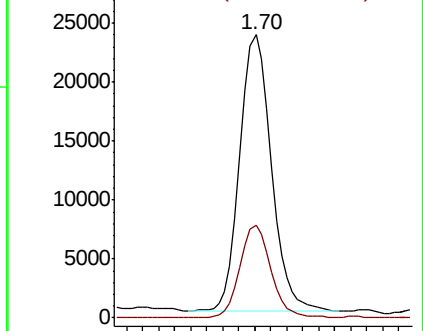
64 100

66 33.7 25.9 38.9

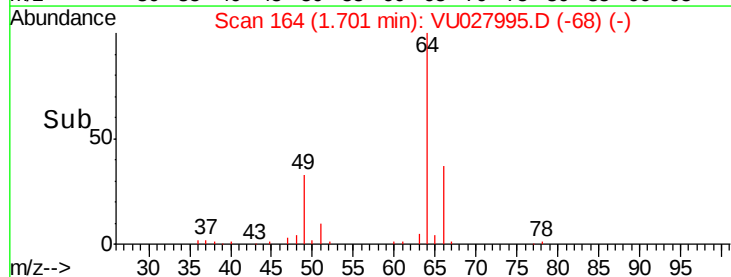


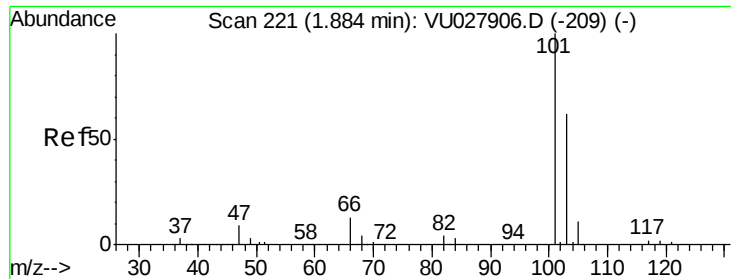
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

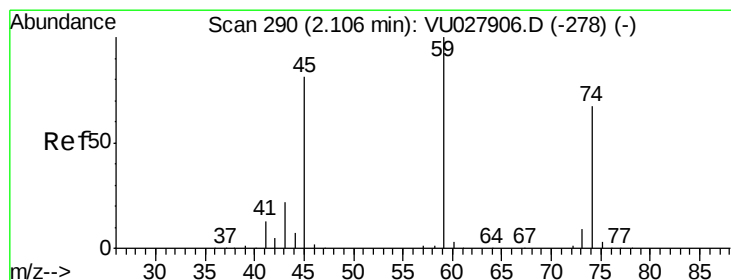
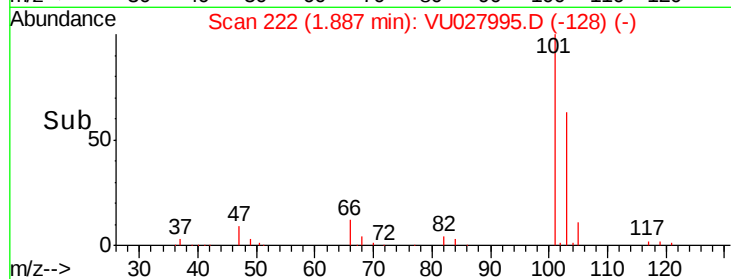
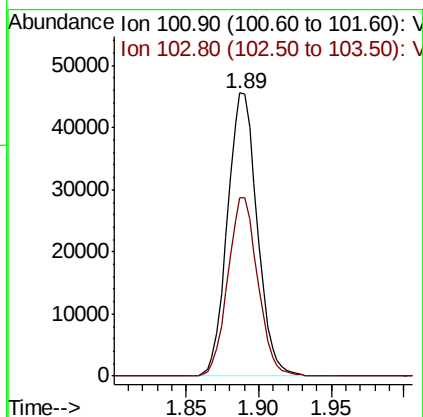
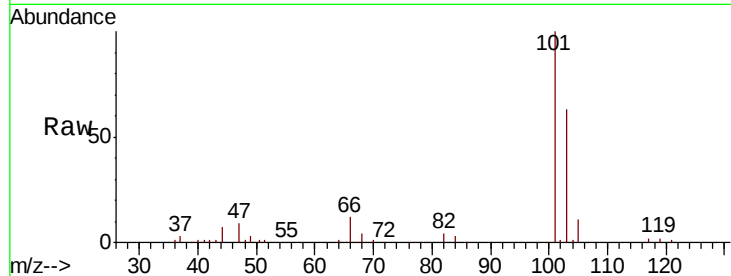
Trichlorofluoromethane
Concen: 18.212 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027995.D
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ClientSampleId :
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Tot Ion:101 Resp: 64956
Ion Ratio Lower Upper
101 100
103 62.9 49.4 74.2

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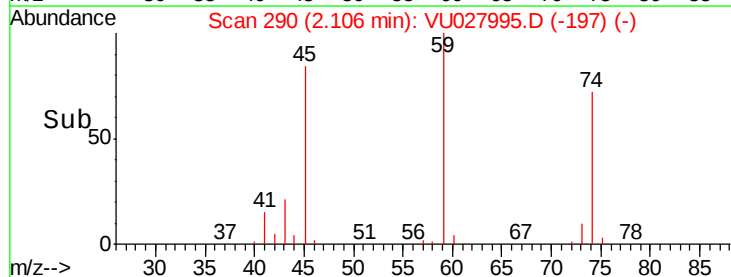
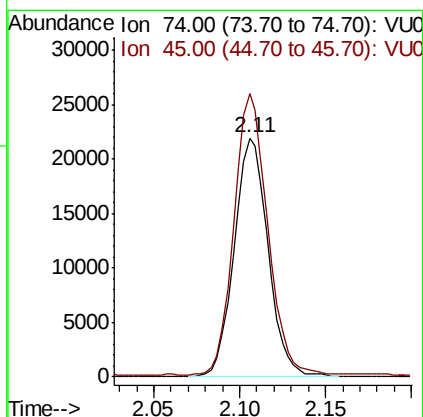
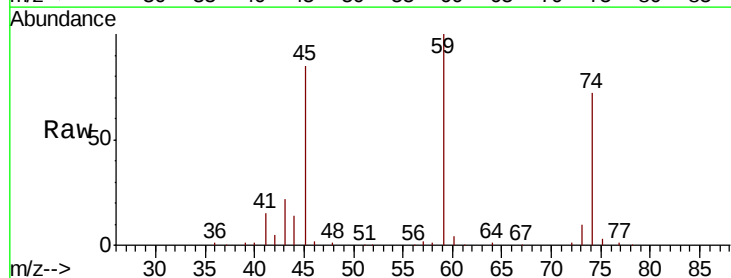
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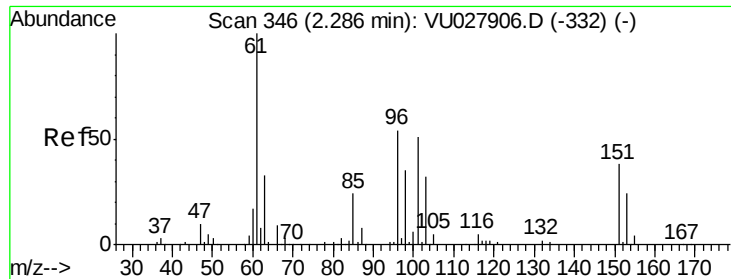


#8

Diethyl Ether
Concen: 19.764 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion: 74 Resp: 30182
Ion Ratio Lower Upper
74 100
45 116.4 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.387 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

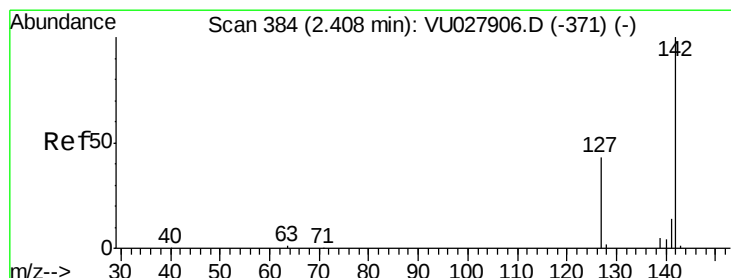
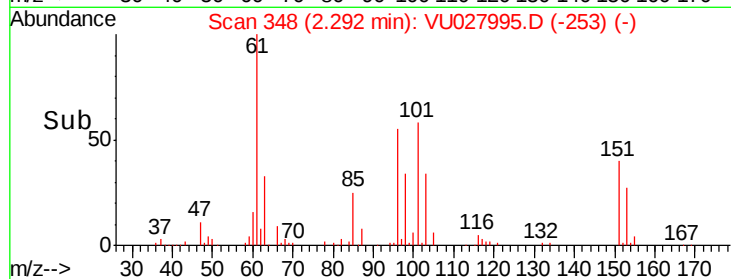
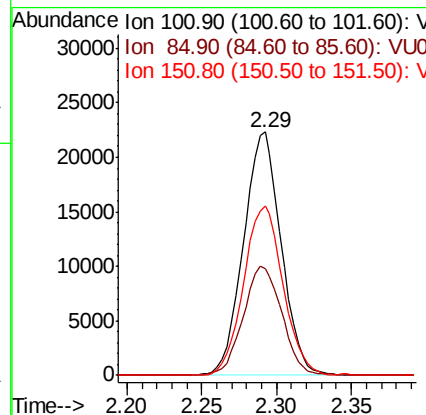
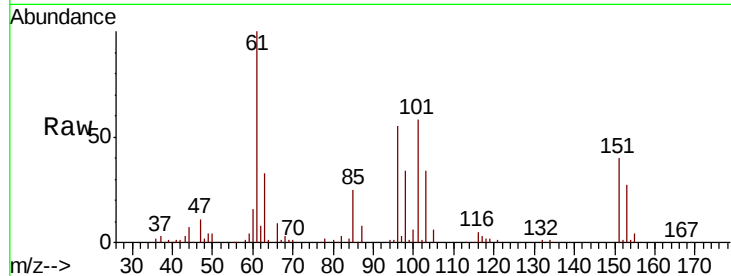
ClientSampleId :

VU1107WBSD01

Tot Ion:	101	Resp:	38957
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.9	55.3
151	72.9	58.0	87.0

Manual Integrations
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11/8/2018 9:11:06 AM



#10

Methyl Iodide

Concen: 19.854 ug/l

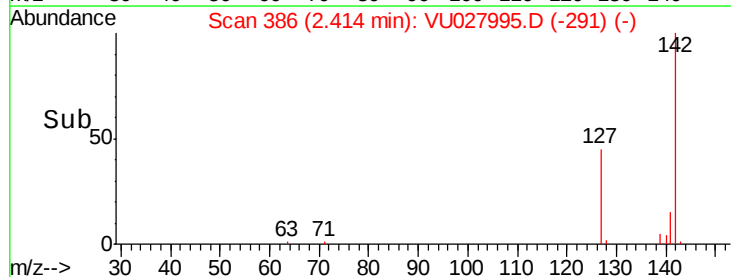
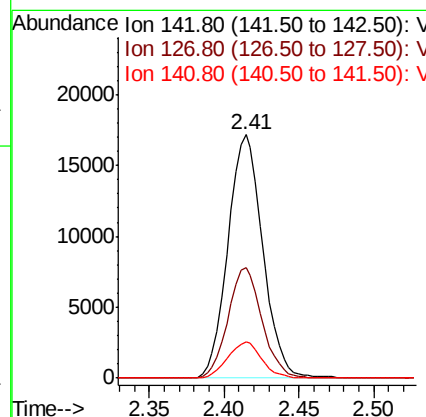
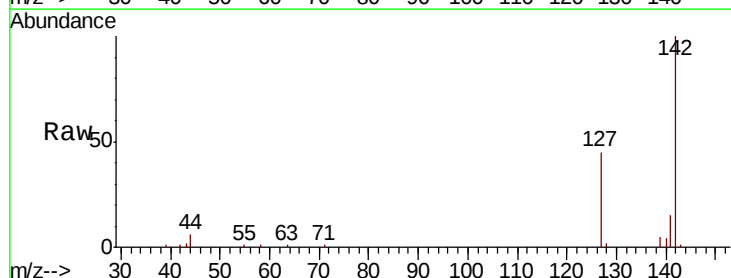
RT: 2.41 min Scan# 386

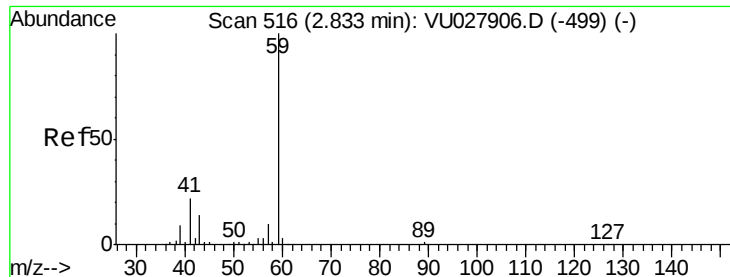
Delta R.T. 0.01 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	142	Resp:	27856
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.2	52.8
141	14.4	11.8	17.8





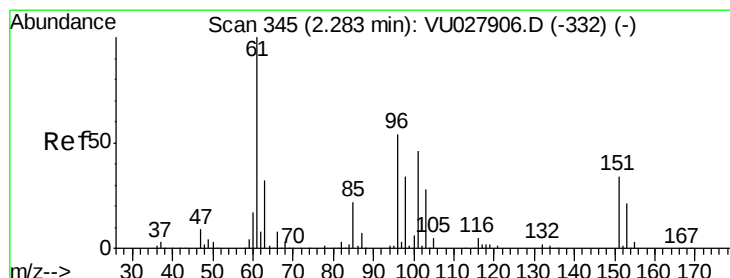
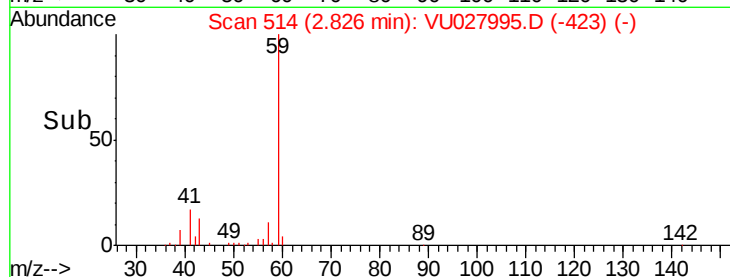
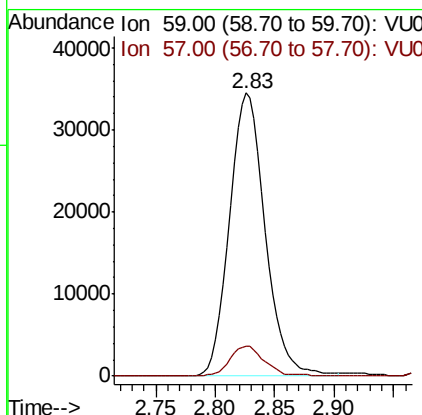
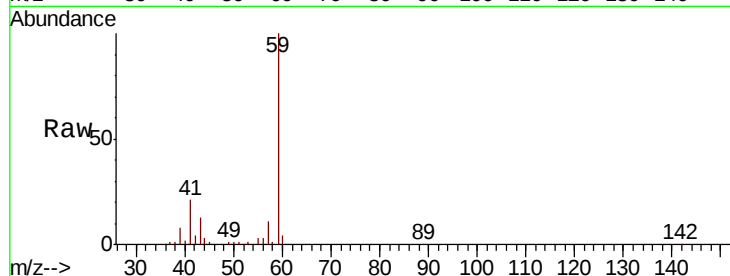
#11
Tert butyl alcohol
Concen: 90.020 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	59.00	Resp	71698
Ion Ratio	100	Lower	Upper
59	100		
57	10.3	7.8	11.8

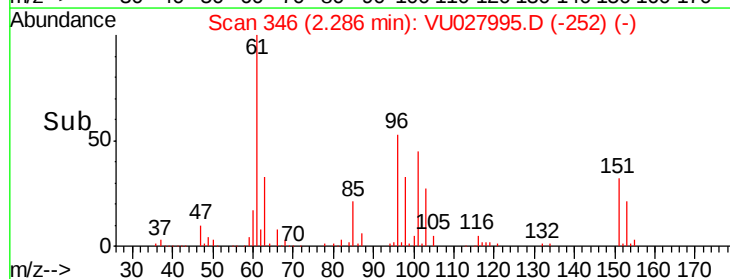
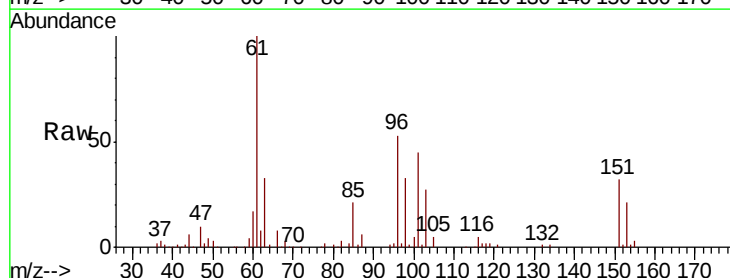
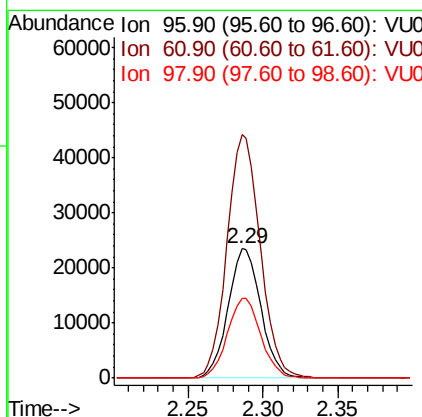
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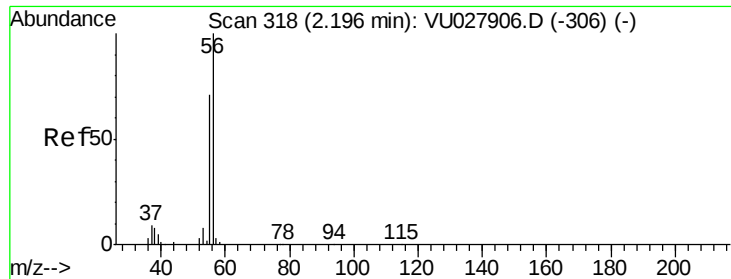
MMDadoda
11/8/2018 9:11:06 AM



#12
1,1-Dichloroethene
Concen: 16.960 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	96.00	Resp	35969
Ion Ratio	100	Lower	Upper
96	100		
61	188.1	149.3	223.9
98	61.7	50.6	75.8





#13

Acrolein

Concen: 103.096 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 56 Resp: 31374

Ion Ratio Lower Upper

56 100

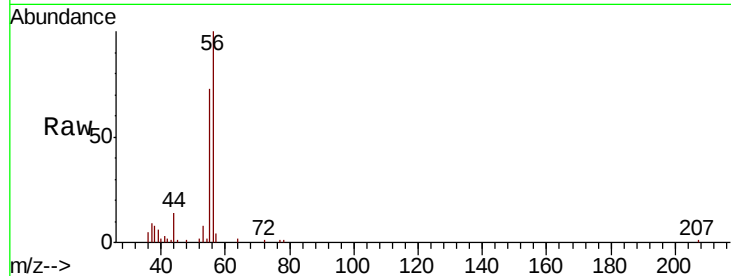
55 70.0 56.2 84.4

Manual Integrations

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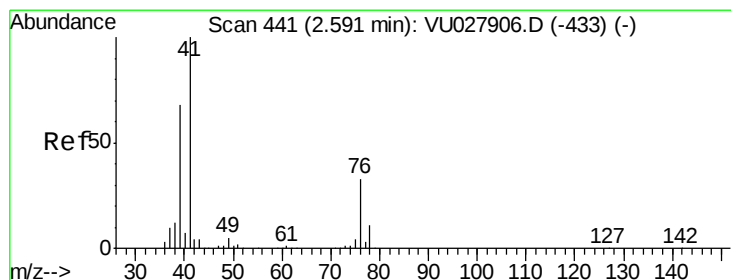
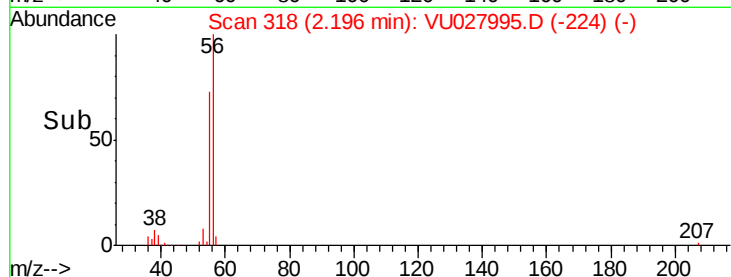
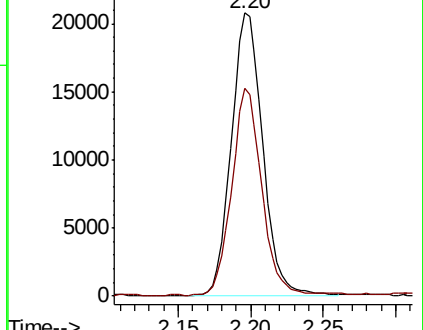
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027995.D (-224) (-)



#14

Allyl chloride

Concen: 17.273 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

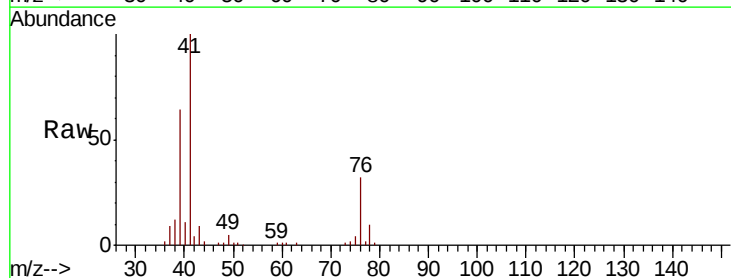
Tgt Ion: 41 Resp: 89534

Ion Ratio Lower Upper

41 100

39 61.3 51.9 77.9

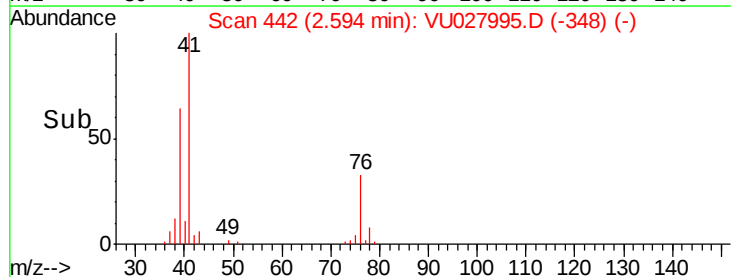
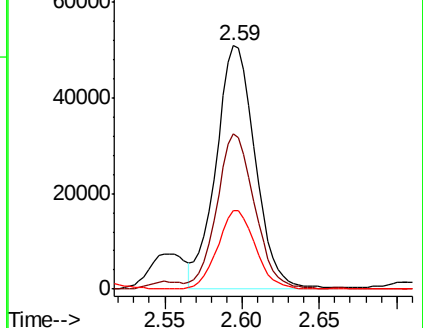
76 30.5 23.8 35.6

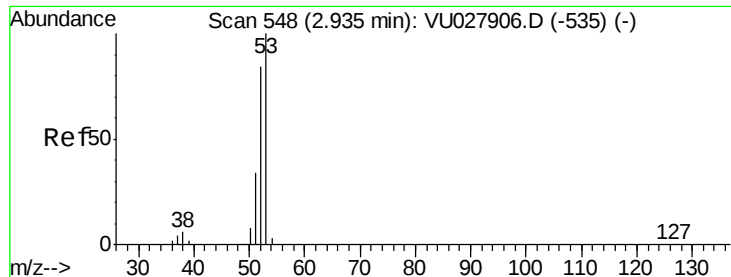


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027995.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027995.D (-348) (-)





#15

Acrylonitrile

Concen: 93.829 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

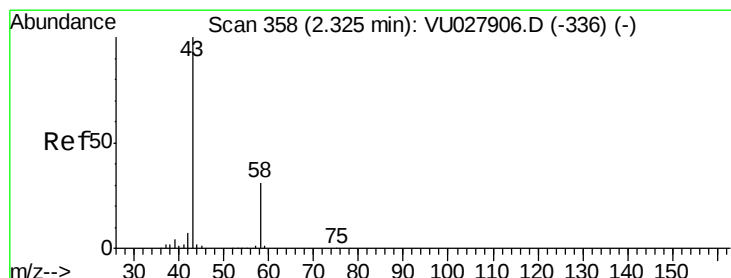
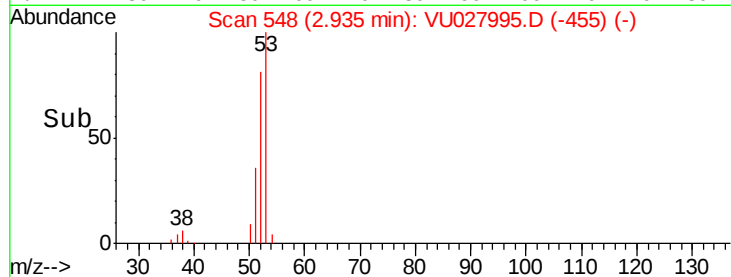
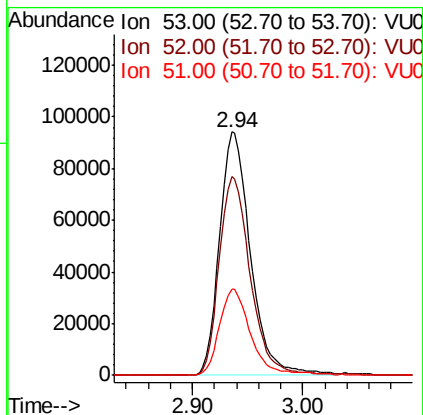
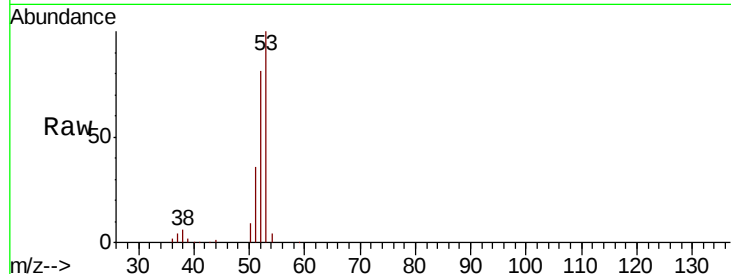
ClientSampleId :

VU1107WBSD01

Tot Ion:	53	Resp:	183573
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.2
51	35.9	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 88.819 ug/l

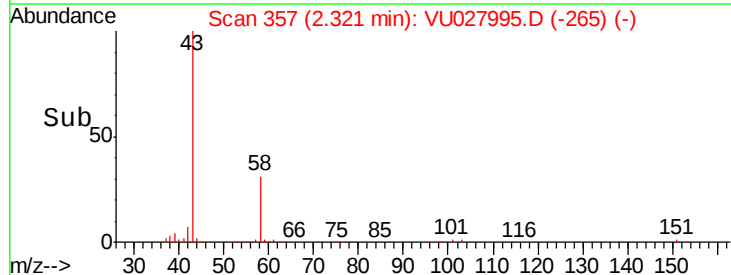
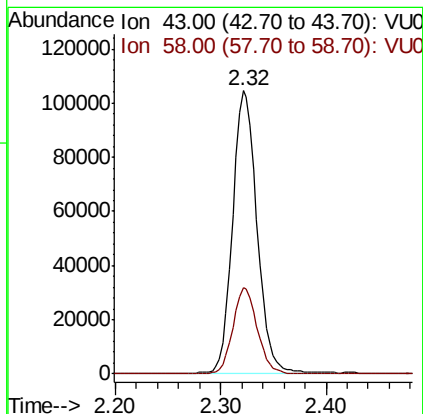
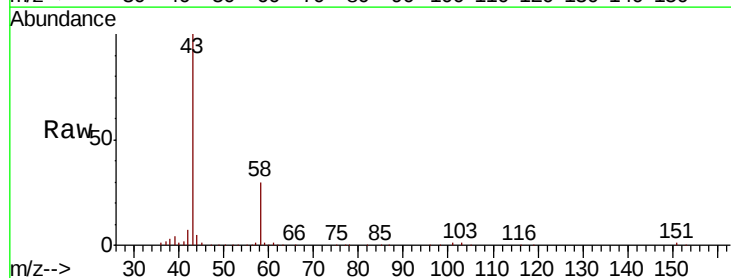
RT: 2.32 min Scan# 357

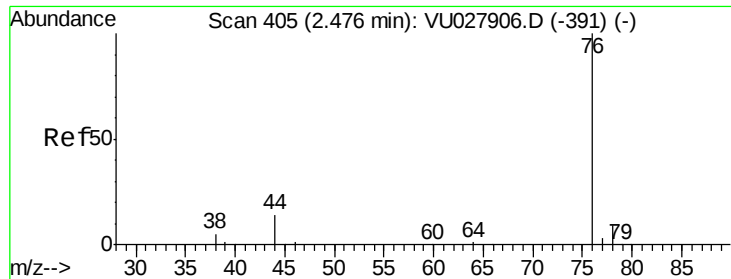
Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	43	Resp:	165793
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.6	37.0





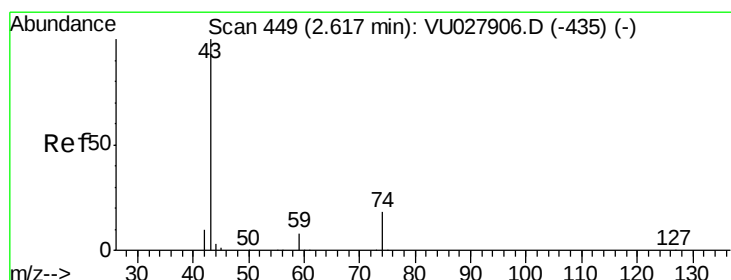
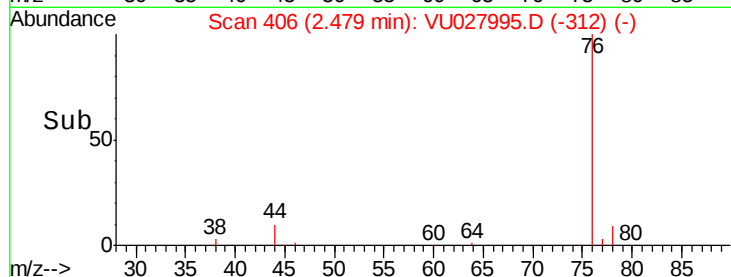
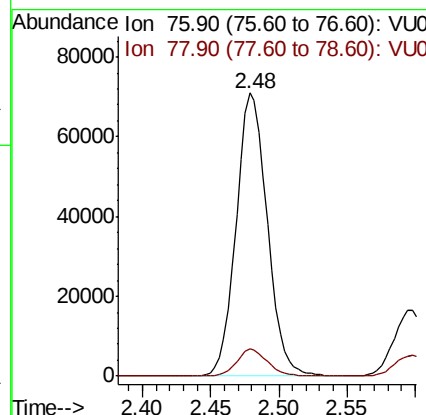
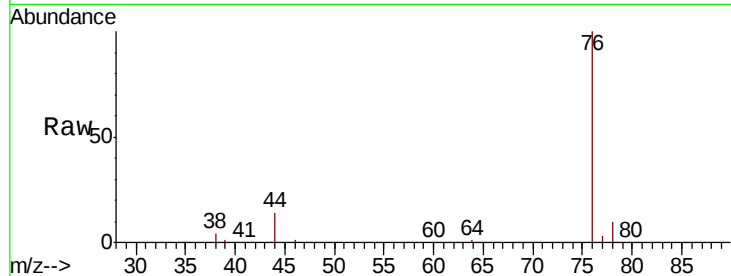
#17
Carbon Disulfide
Concen: 16.232 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0

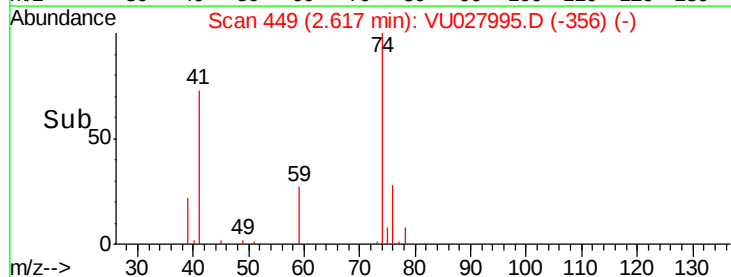
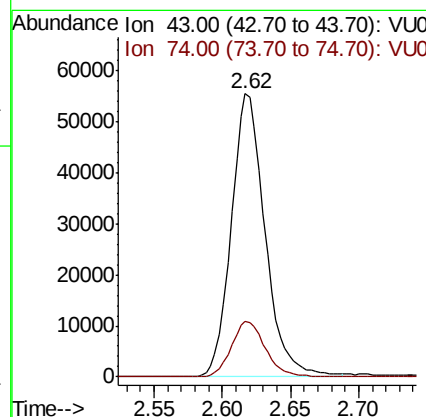
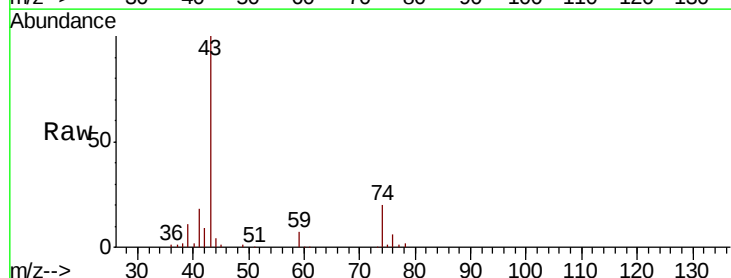
Manual Integrations
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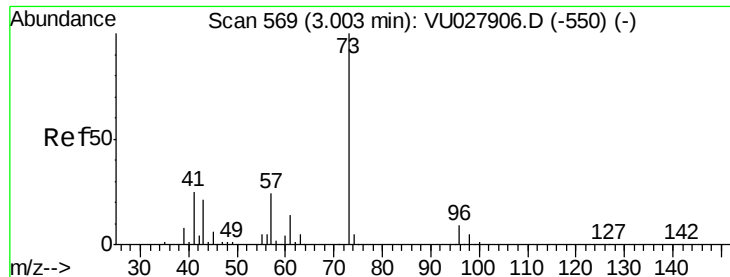
MMDadoda
11/8/2018 9:11:06 AM



#18
Methyl Acetate
Concen: 18.388 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	14.9	22.3





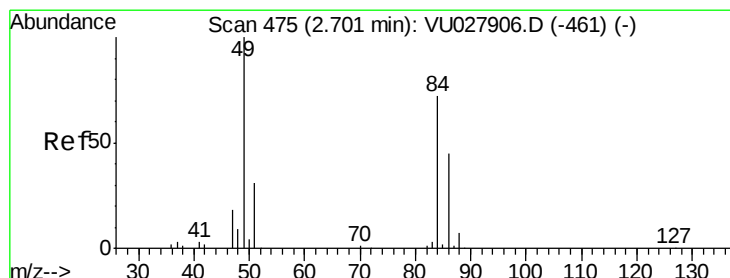
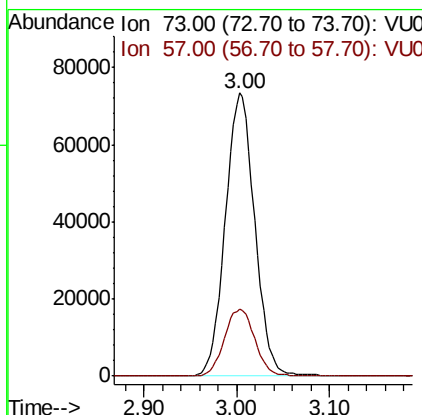
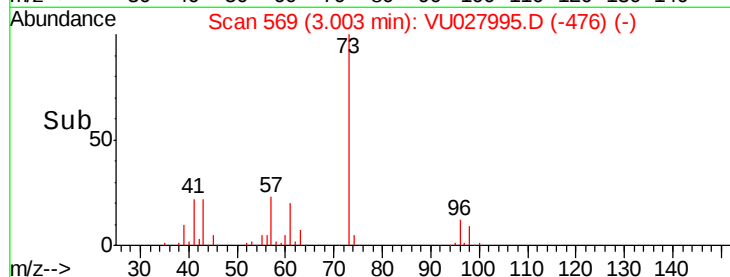
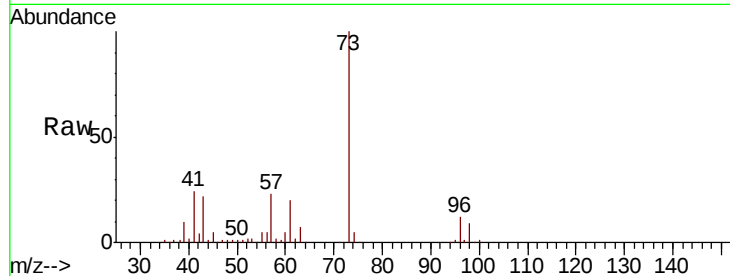
#19
Methvl tert-butvl Ether
Concen: 18.842 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

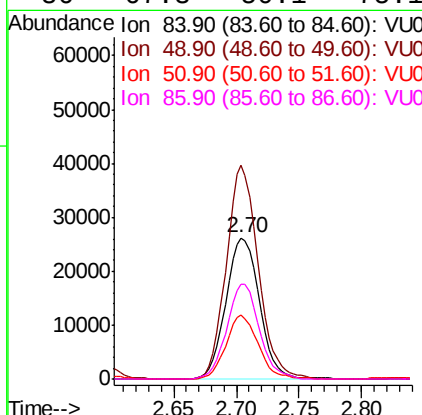
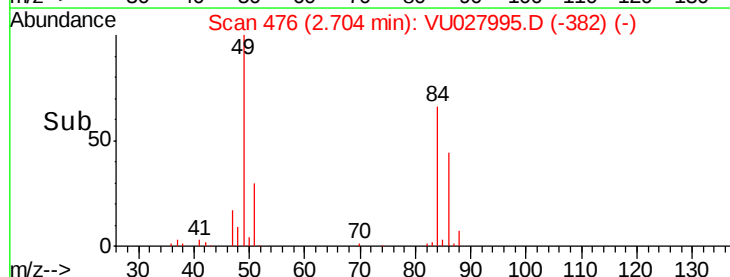
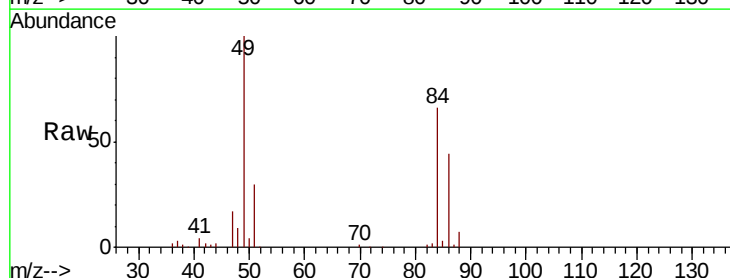
Manual Integrations
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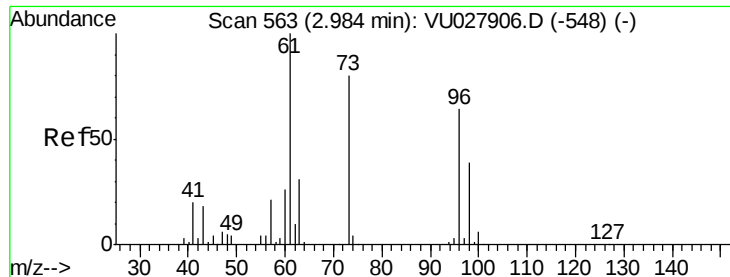
MMDadoda
11/8/2018 9:11:06 AM



#20
Methylene Chloride
Concen: 17.878 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.3	111.6	167.4
51	45.2	34.8	52.2
86	67.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 17.050 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

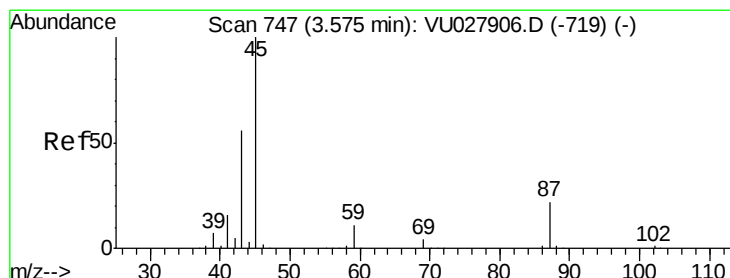
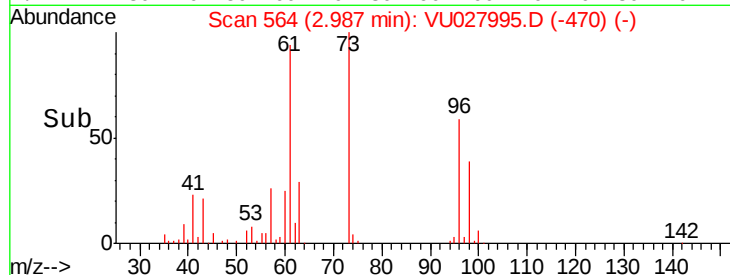
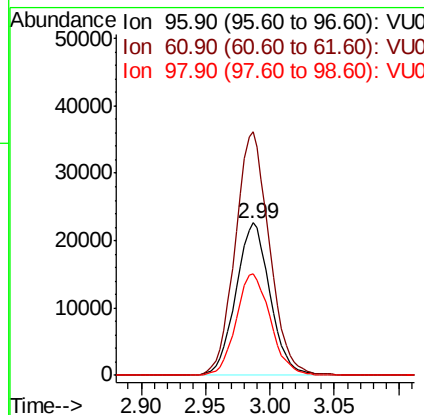
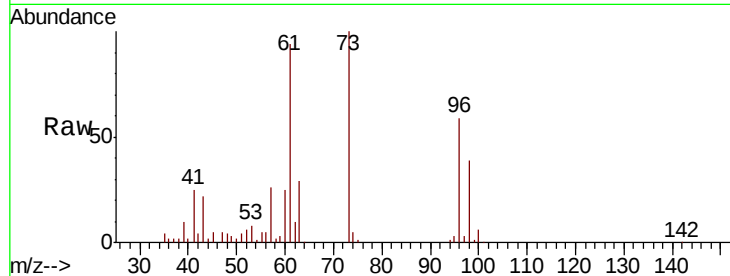
ClientSampleId :

VU1107WBSD01

Tot Ion:	96	Resp:	41730
Ion	Ratio	Lower	Upper
96	100		
61	159.5	125.0	187.6
98	66.5	48.2	72.4

Manual Integrations
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11/8/2018 9:11:06 AM



#22

Diisopropyl ether

Concen: 18.709 ug/l

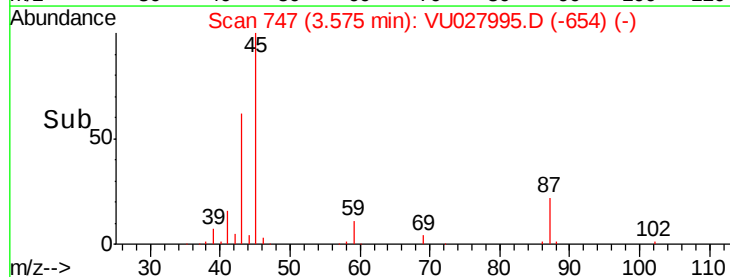
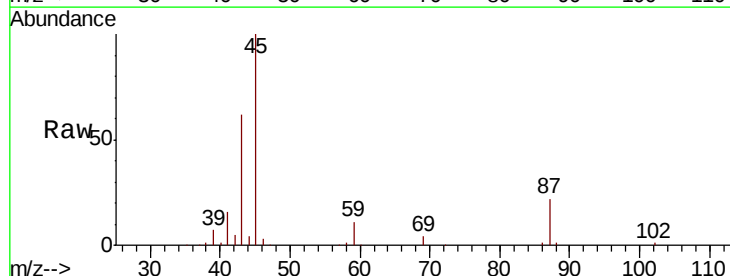
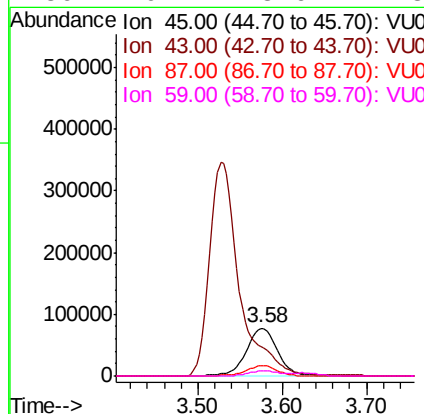
RT: 3.58 min Scan# 747

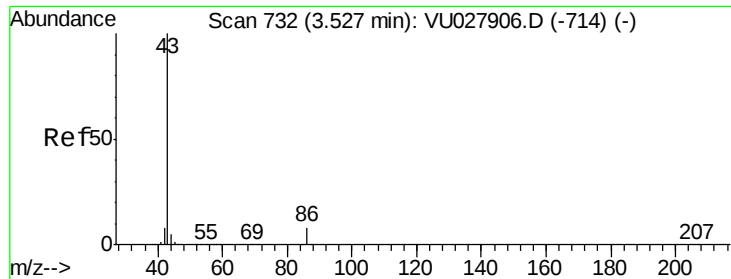
Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	45	Resp:	200212
Ion	Ratio	Lower	Upper
45	100		
43	59.8	45.0	67.6
87	22.3	17.9	26.9
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 92.854 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 43 Resp: 853982

Ion Ratio Lower Upper

43 100

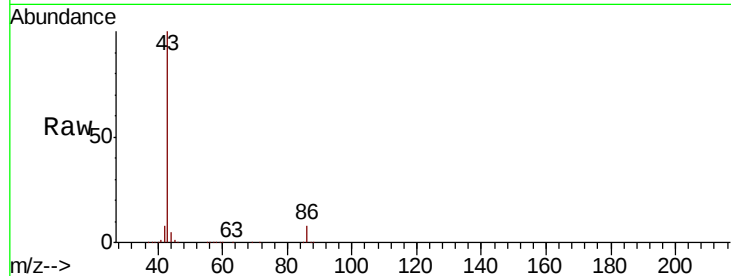
86 8.0 6.6 9.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.53

400000

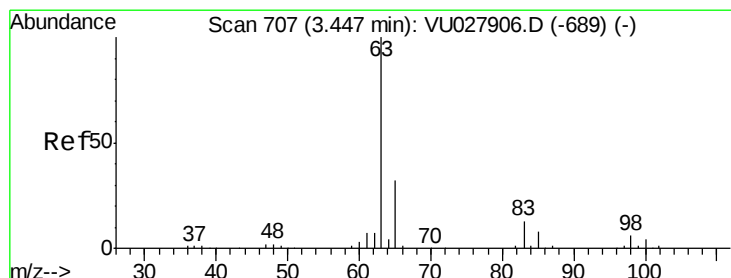
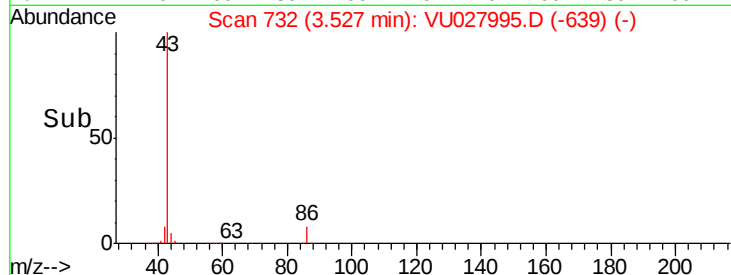
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.195 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

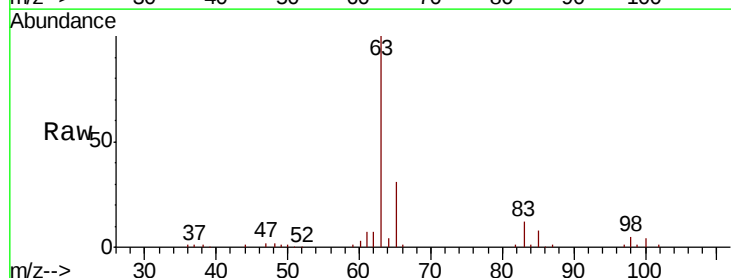
Tgt Ion: 63 Resp: 96987

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

60000

50000

40000

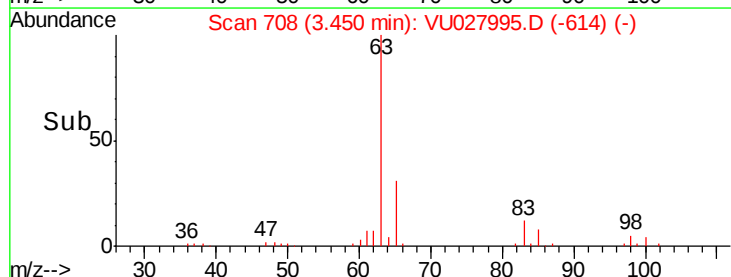
30000

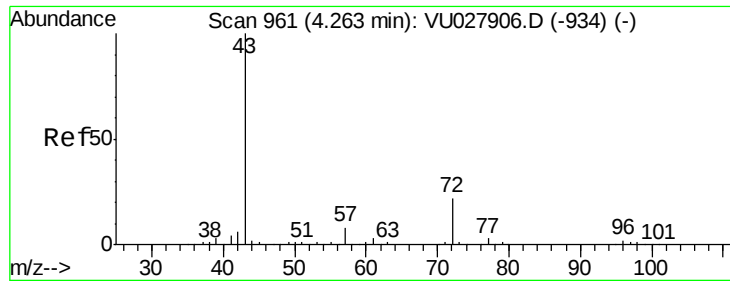
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.931 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 43 Resp: 273002

Ion Ratio Lower Upper

43 100

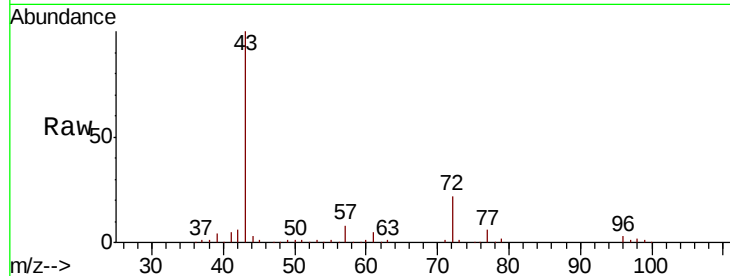
72 22.4 17.7 26.5

Manual Integrations

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11/8/2018 9:11:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

40000

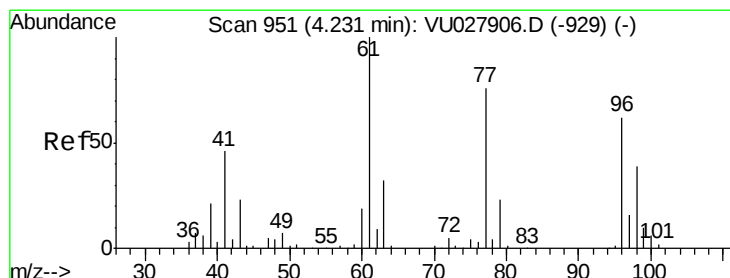
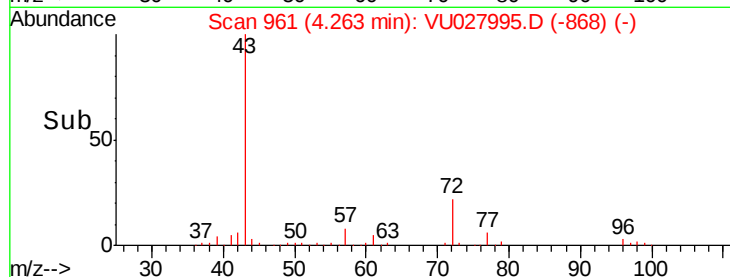
20000

0

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 18.911 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027995.D

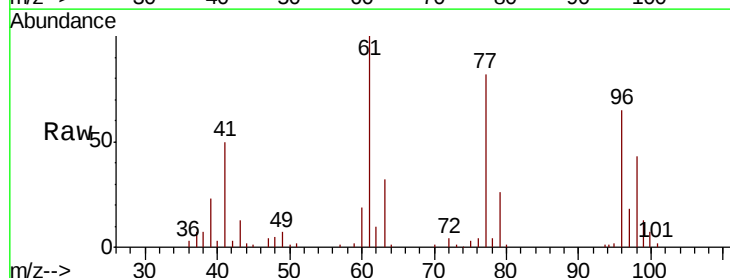
Acq: 07 Nov 2018 11:07

Tgt Ion: 77 Resp: 75646

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

10000

5000

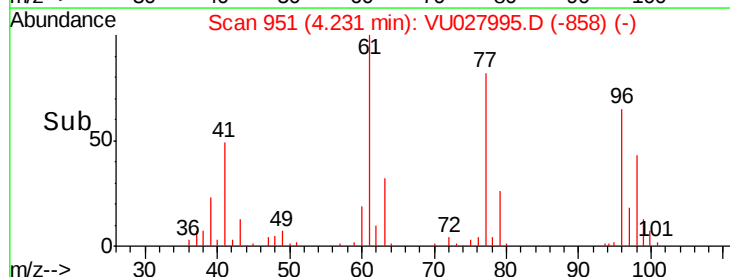
0

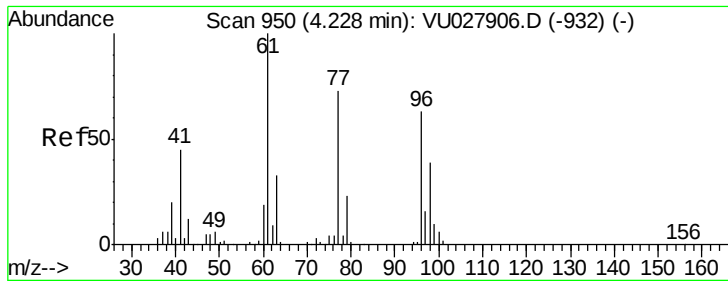
4.10

4.20

4.30

Time-->





#27

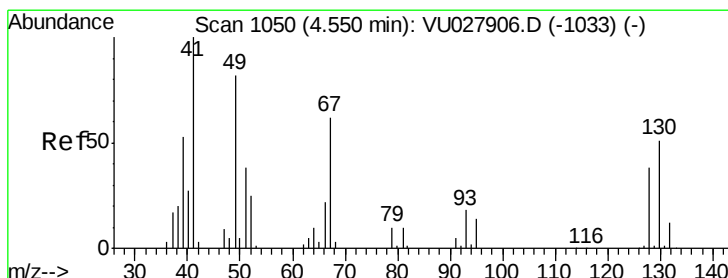
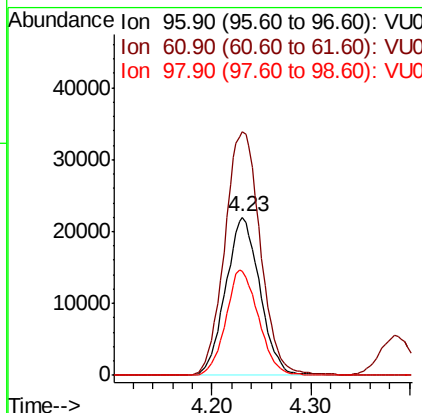
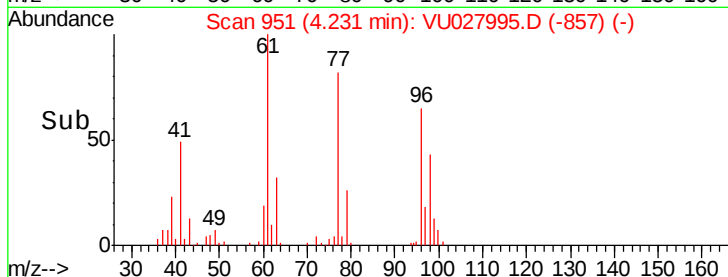
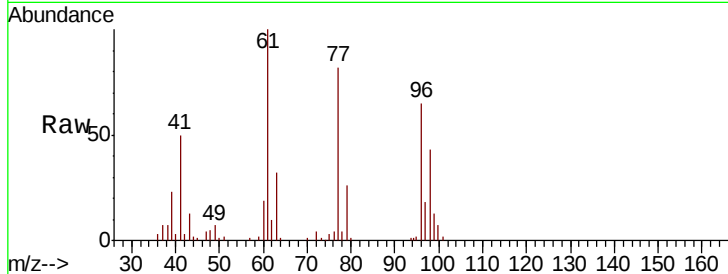
cis-1,2-Dichloroethene
Concen: 19.385 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	329.6
98	63.6	0.0	127.2

Manual Integrations
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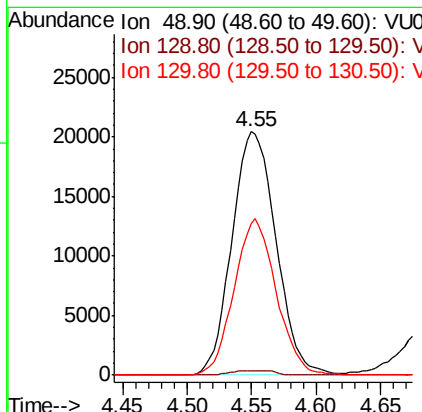
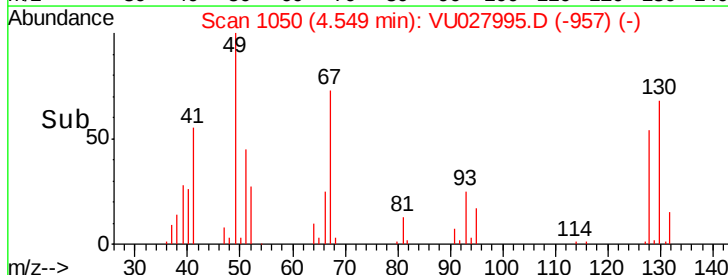
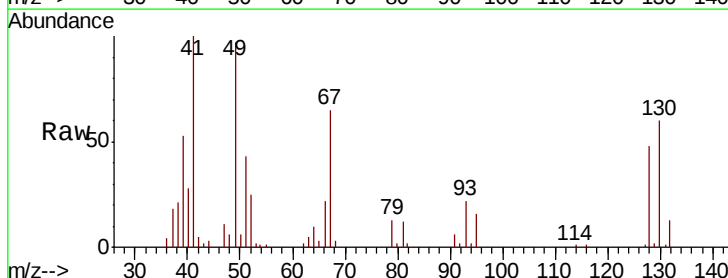
MMDadoda
11/8/2018 9:11:06 AM

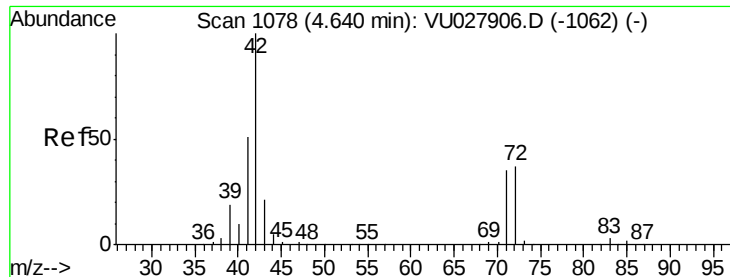


#28

Bromochloromethane
Concen: 19.437 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	61.5	47.8	71.6





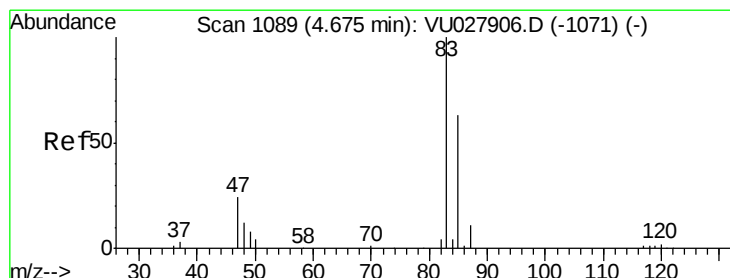
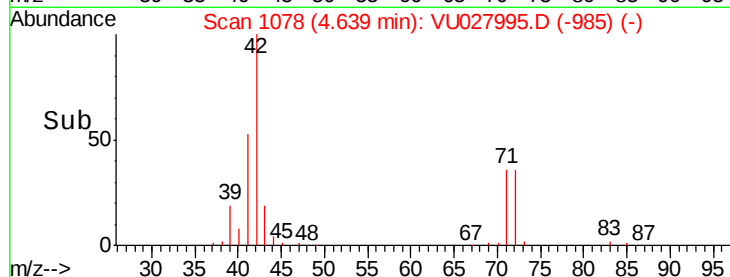
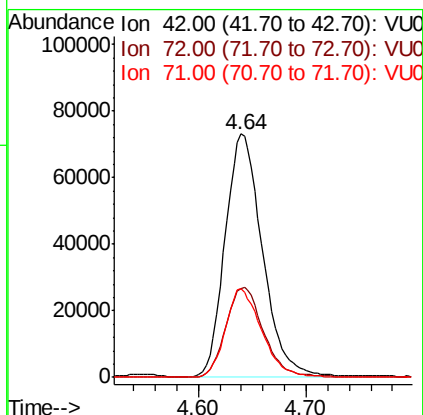
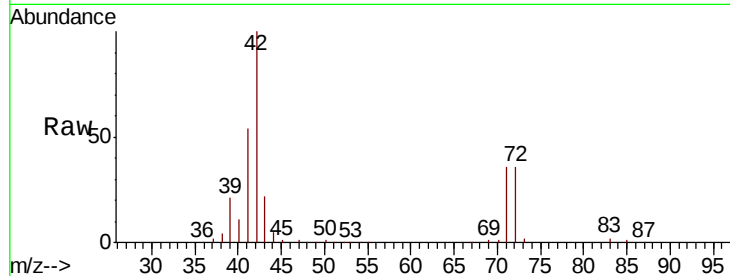
#29
Tetrahydrofuran
Concen: 88.565 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.4	44.0
71	35.5	27.9	41.9

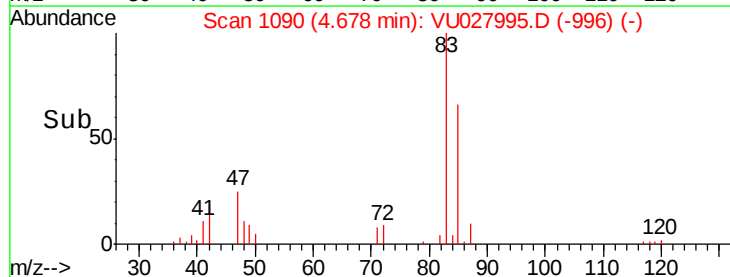
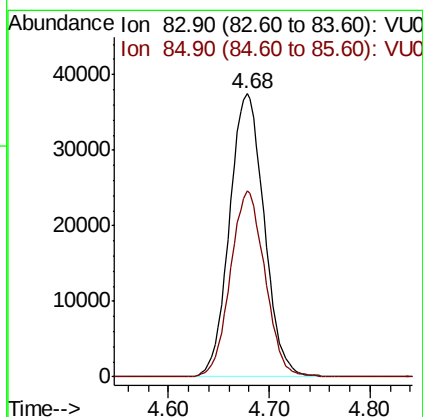
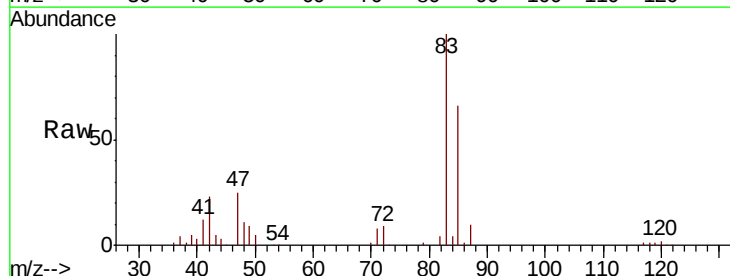
Manual Integrations
APPROVED

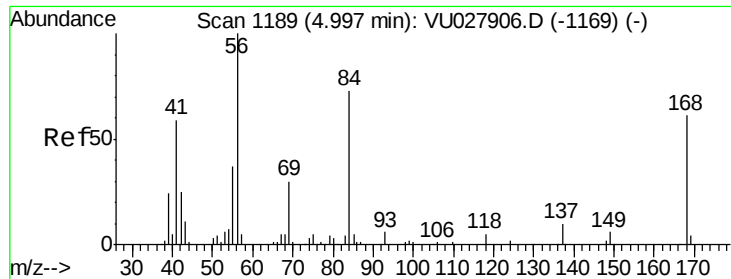
MMDadoda
11/8/2018 9:11:06 AM



#30
Chloroform
Concen: 18.292 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0





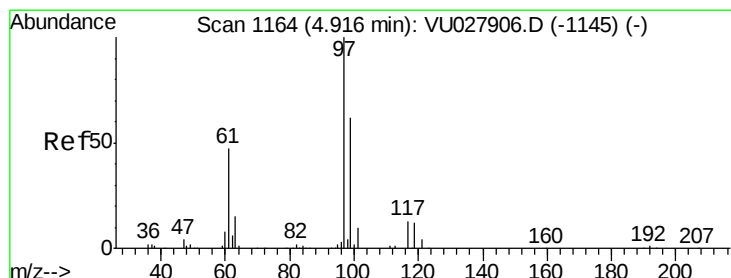
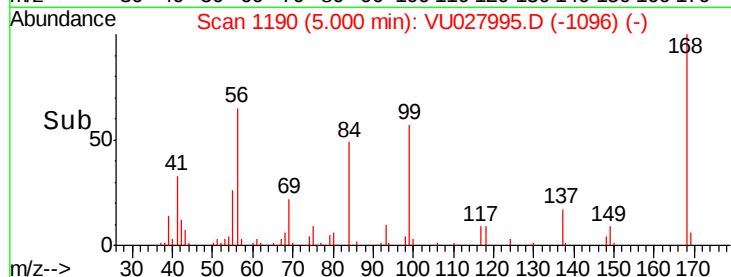
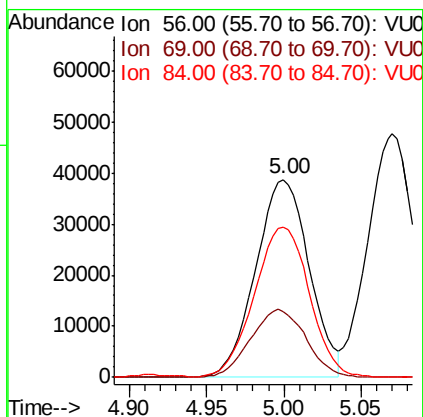
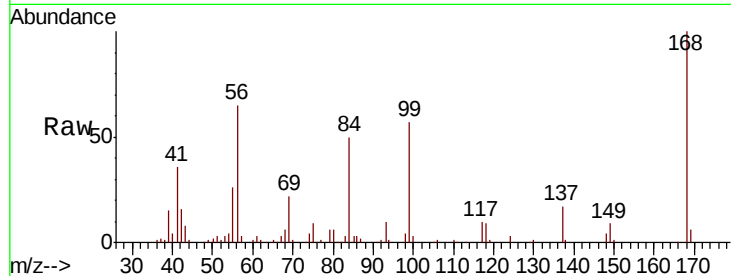
#31
Cyclohexane
Concen: 16.744 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	23.7	35.5
84	75.8	58.2	87.4

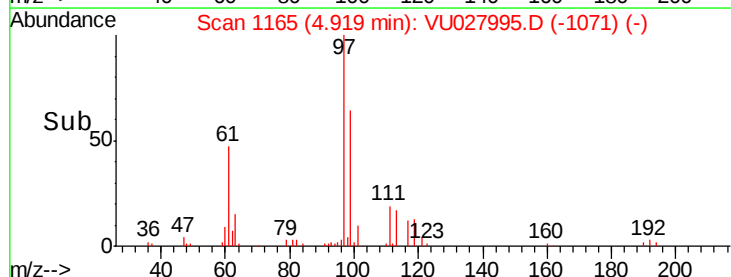
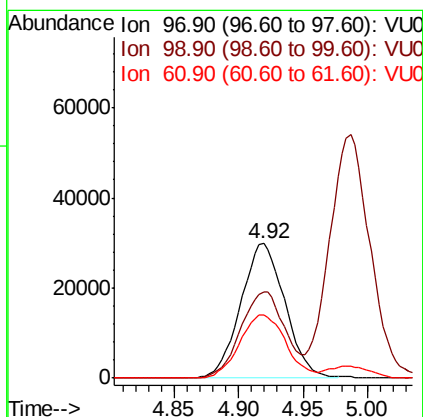
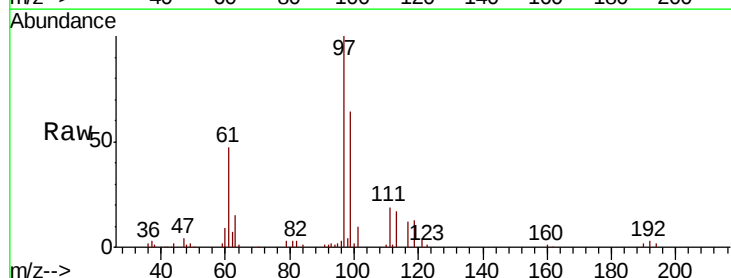
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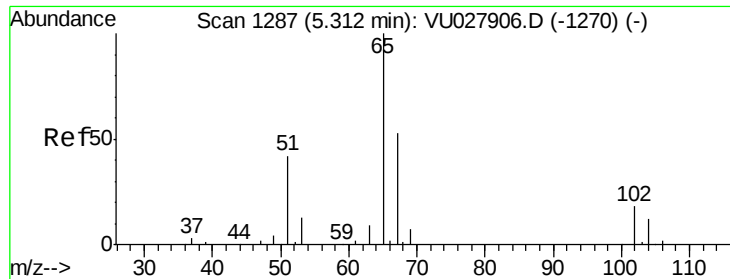
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#32
1,1,1-Trichloroethane
Concen: 18.325 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	49.0	38.3	57.5





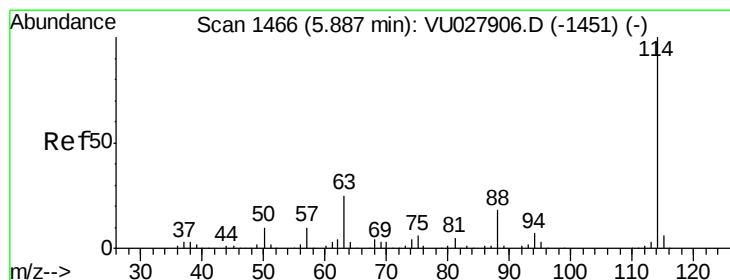
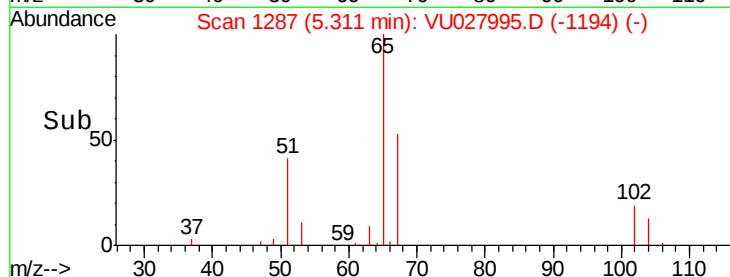
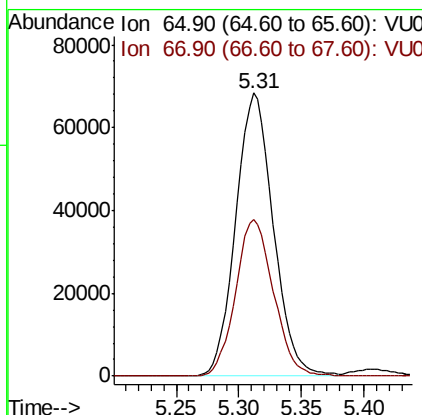
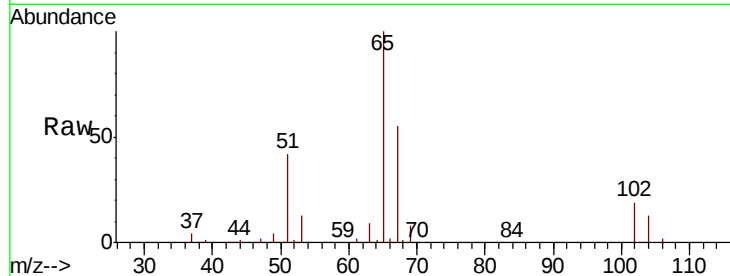
#33
 1,2-Dichloroethane-d4
 Concen: 47.421 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142670		
67	55.7	0.0	109.0	

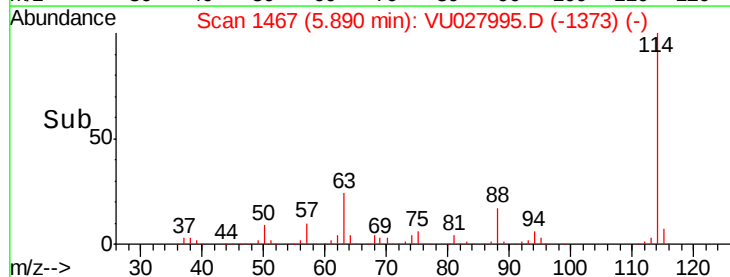
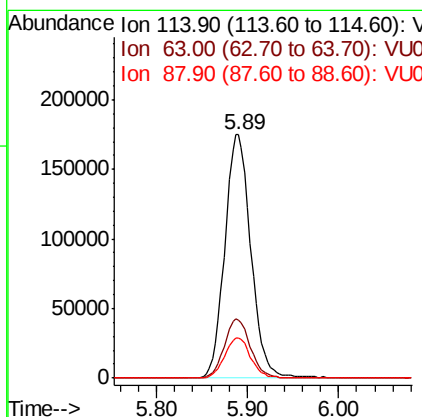
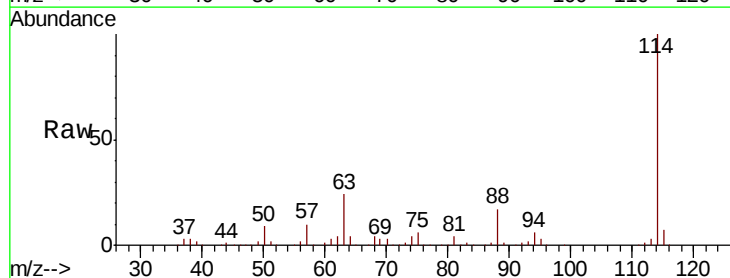
Manual Integrations
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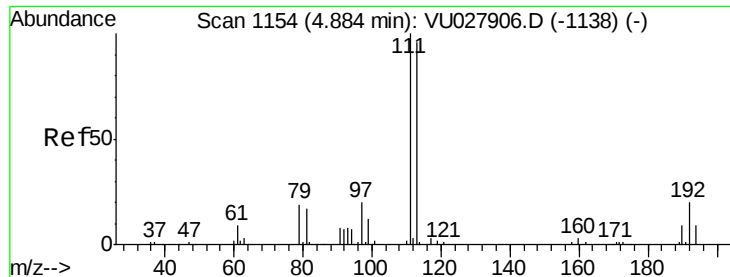
MMDadoda
 11/8/2018 9:11:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348323		
63	24.0	0.0	50.8	
88	16.6	0.0	35.8	





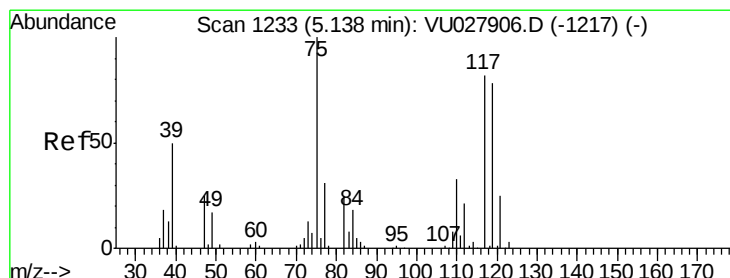
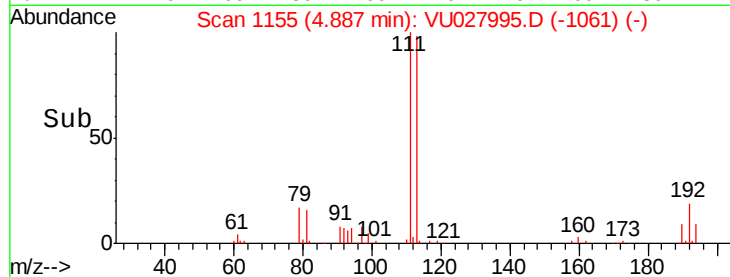
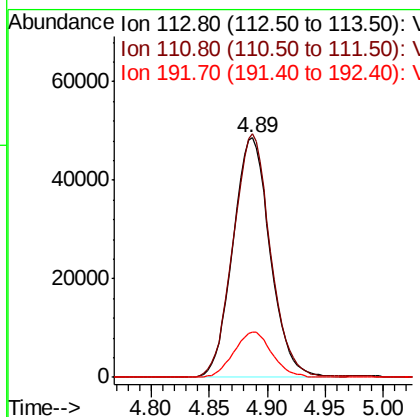
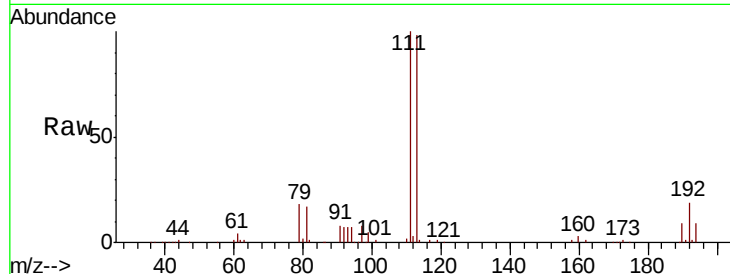
#35
 Dibromofluoromethane
 Concen: 49.348 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	83.0	124.6	
192	19.3	15.6	23.4	

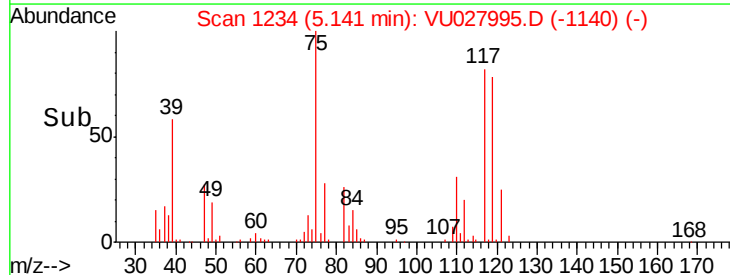
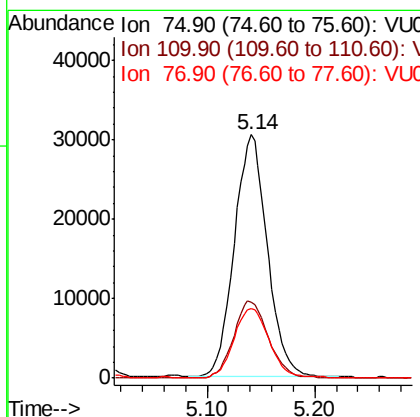
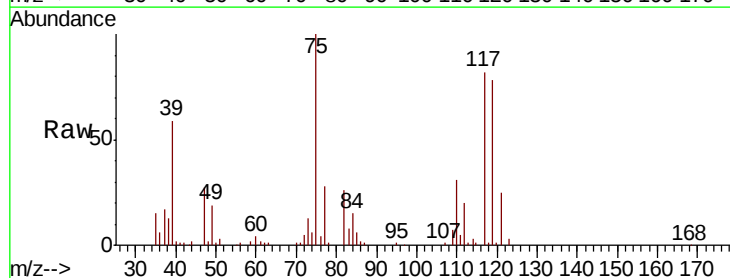
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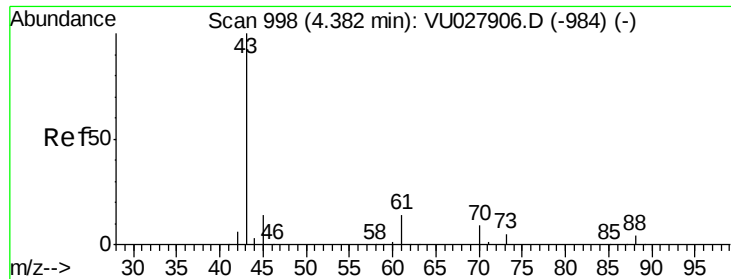
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 11/8/2018 9:11:06 AM



#36
 1,1-Dichloropropene
 Concen: 17.758 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.5	16.5	49.5	
77	31.3	24.9	37.3	





#37

Ethyl Acetate

Concen: 18.194 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

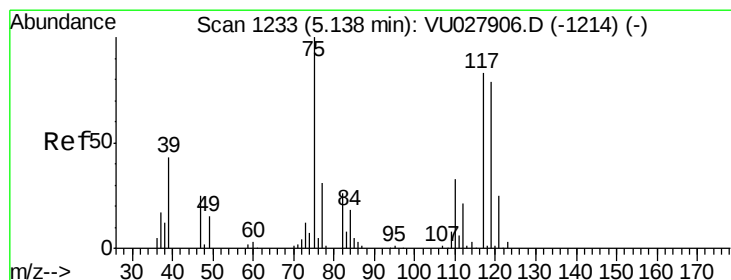
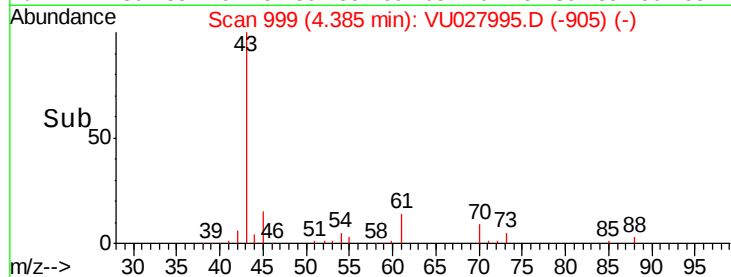
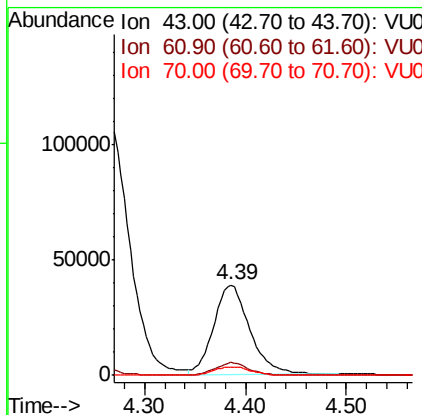
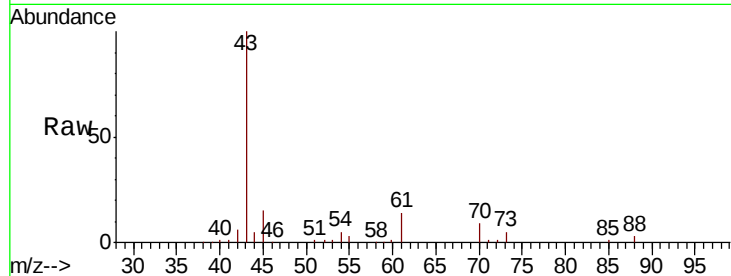
ClientSampleId :

VU1107WBSD01

Tot Ion:	43	Resp:	97253
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.5	7.0	10.6

Manual Integrations
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11/8/2018 9:11:06 AM



#38

Carbon Tetrachloride

Concen: 17.914 ug/l

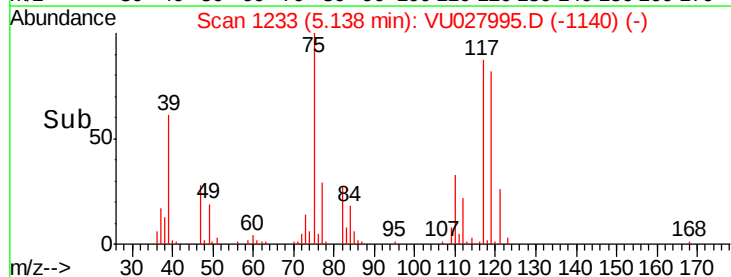
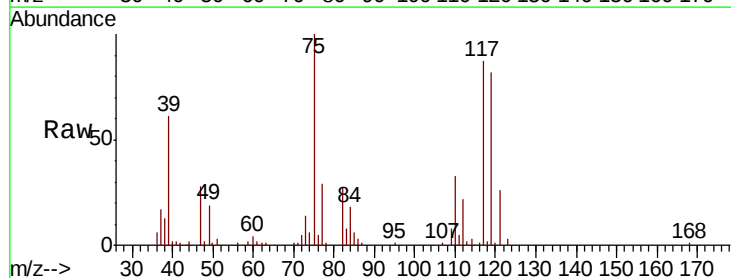
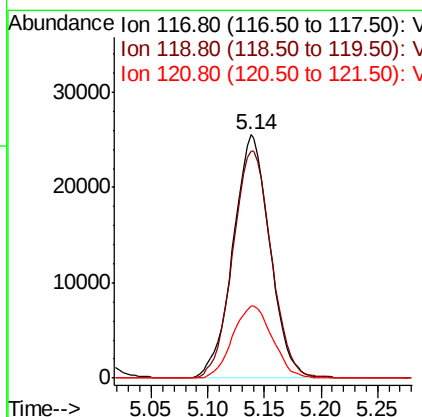
RT: 5.14 min Scan# 1233

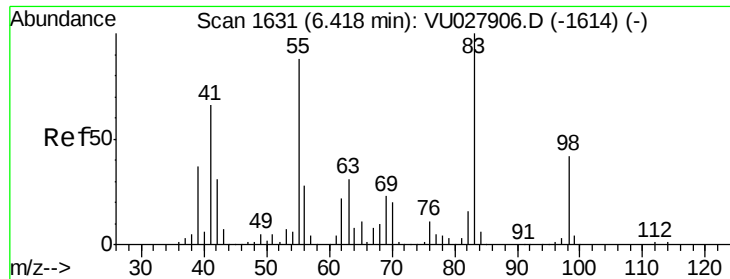
Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	117	Resp:	57915
Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.0	114.0
121	29.5	24.5	36.7





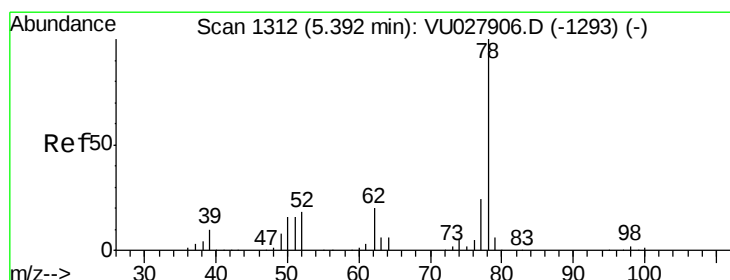
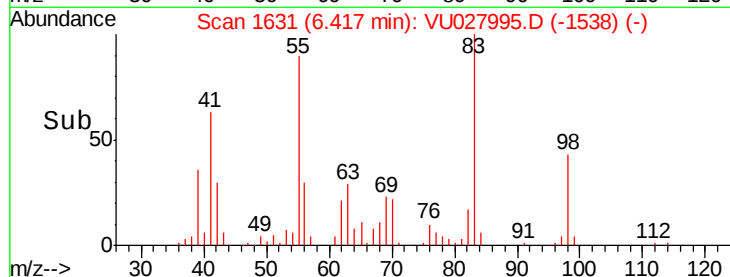
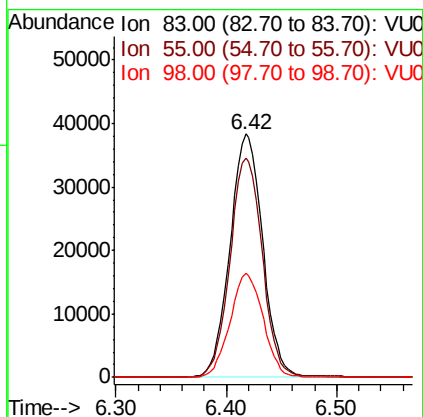
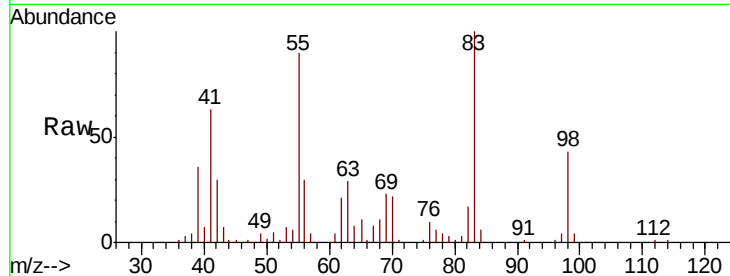
#39
Methvlcvclohexane
Concen: 17.936 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	83.00	Resp	78917
Ion	Ratio	Lower	Upper
83	100		
55	89.9	70.3	105.5
98	43.0	34.0	51.0

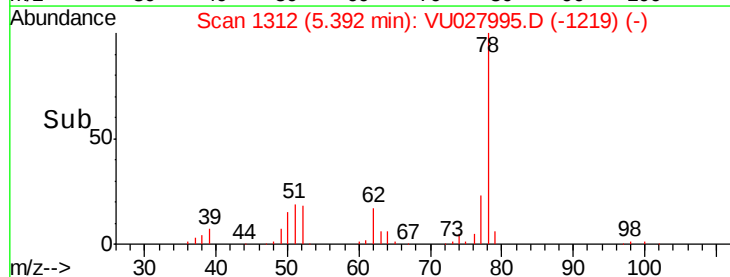
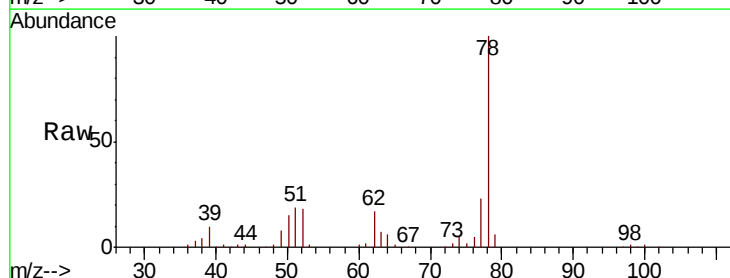
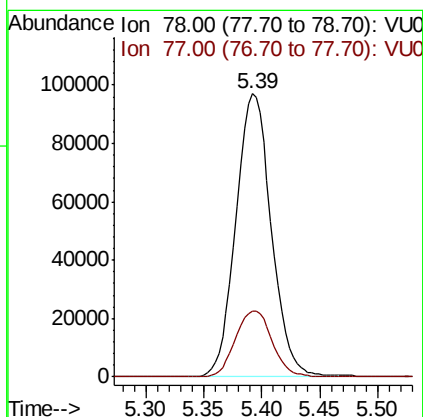
Manual Integrations
APPROVED

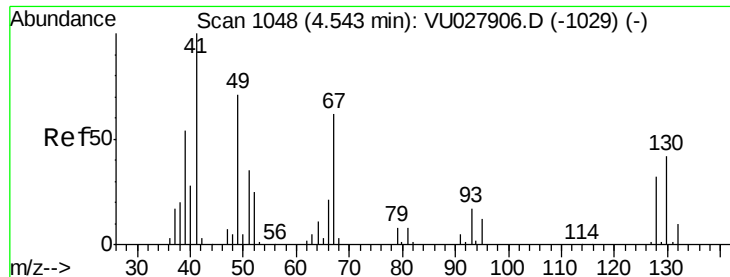
MMDadoda
11/8/2018 9:11:06 AM



#40
Benzene
Concen: 18.509 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	78.00	Resp	206444
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9





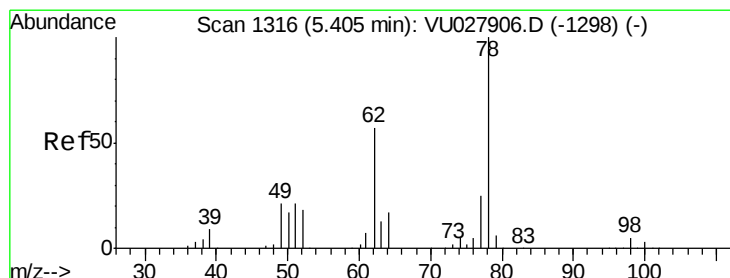
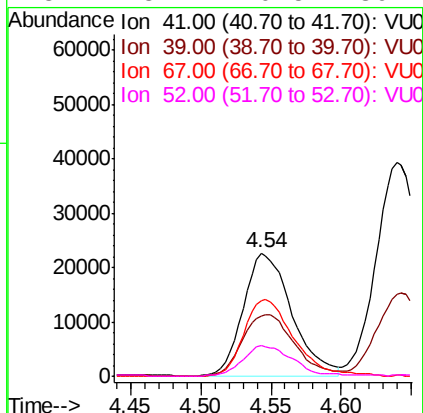
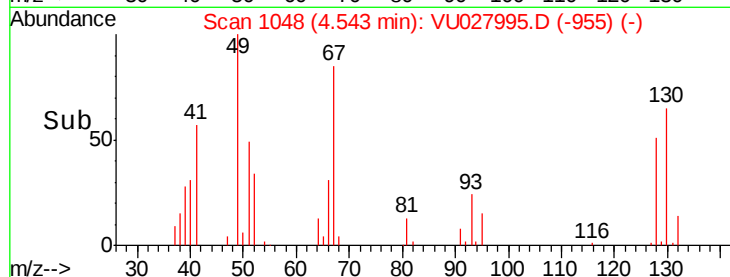
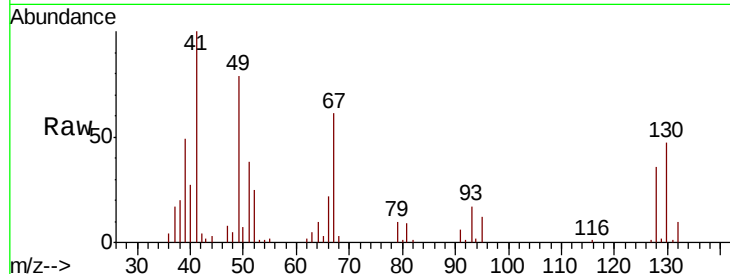
#41
Methacrylonitrile
Concen: 19.146 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.2	63.4	
67	63.8	49.5	74.3	
52	25.7	20.5	30.7	

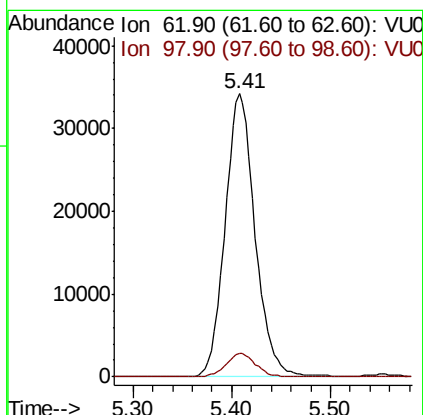
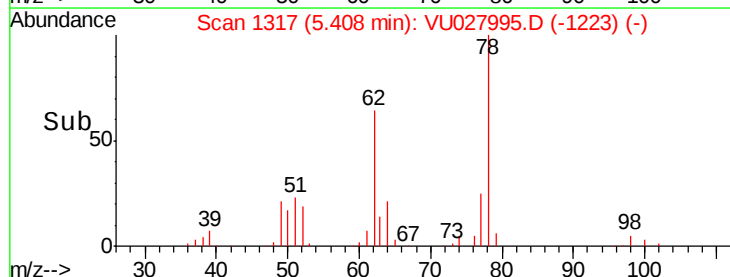
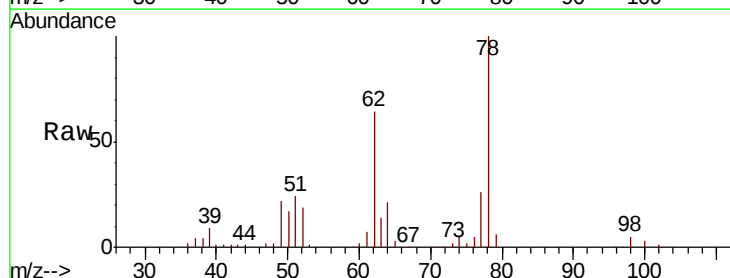
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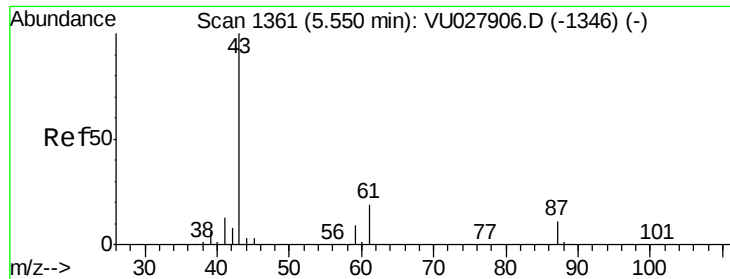
MMDadoda
11/8/2018 9:11:06 AM



#42
1,2-Dichloroethane
Concen: 18.293 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.2	





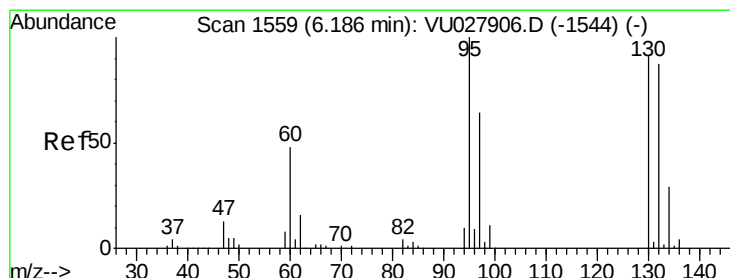
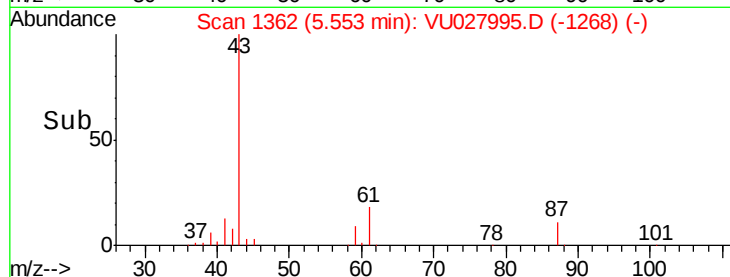
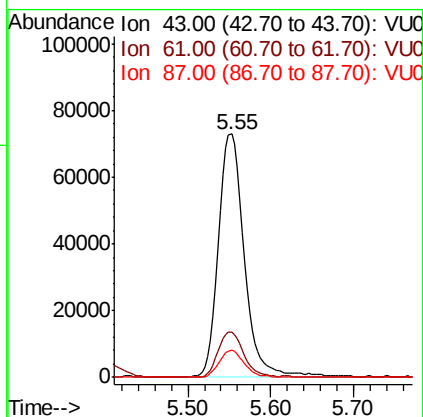
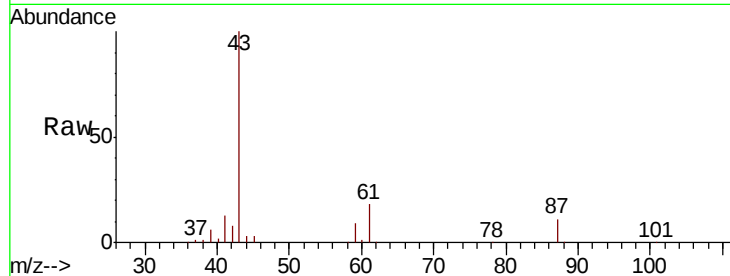
#43
Isopropyl Acetate
Concen: 18.604 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	43	Resp	155799
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.4
87	10.7	8.6	12.8

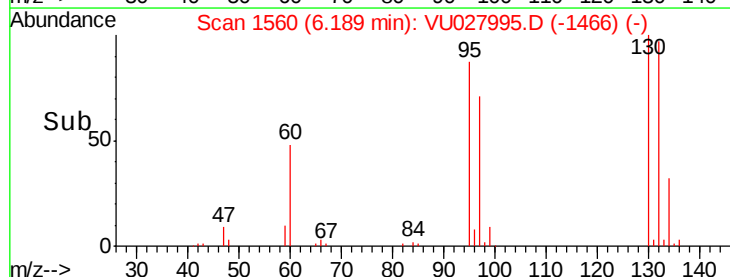
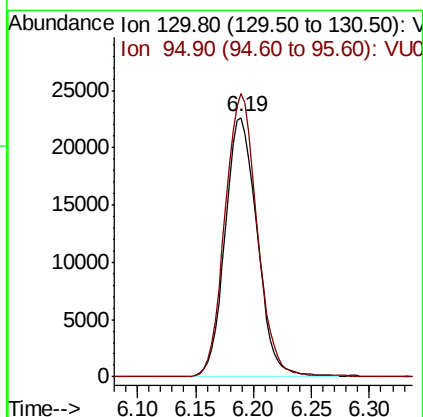
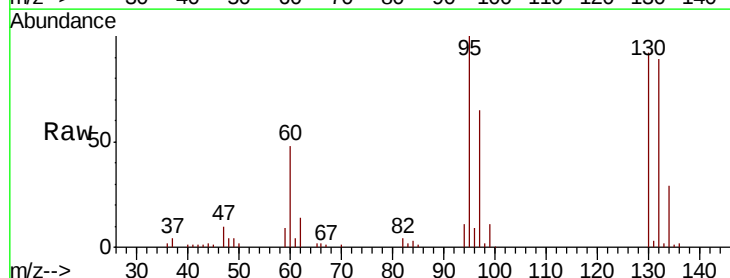
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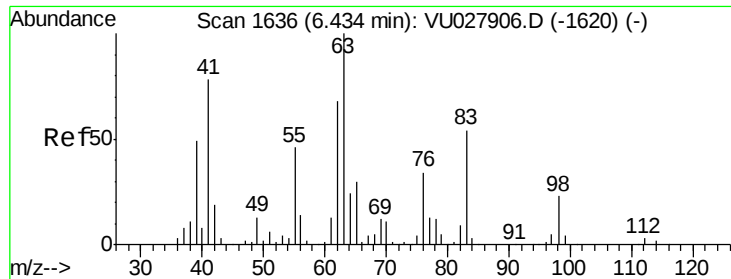
MMDadoda
11/8/2018 9:11:06 AM



#44
Trichloroethene
Concen: 18.055 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	130	Resp	43286
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	219.2





#45

1,2-Dichloropropane

Concen: 18.927 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 63 Resp: 60882

Ion Ratio Lower Upper

63 100

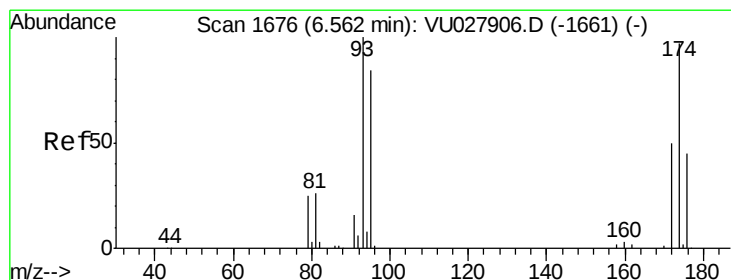
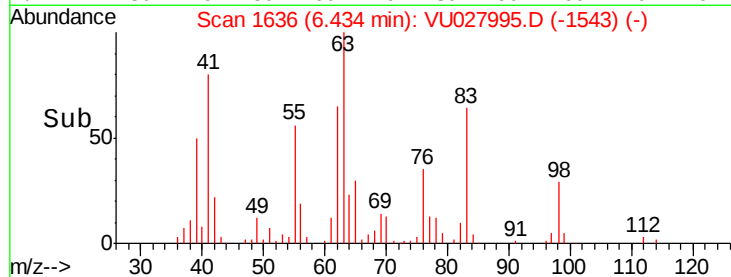
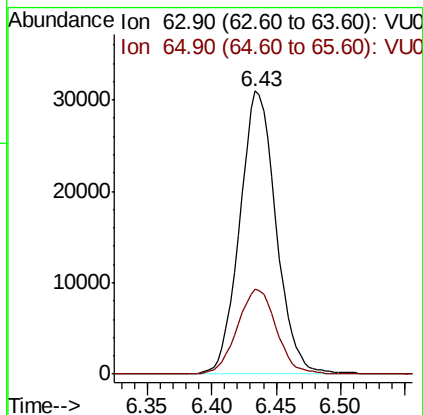
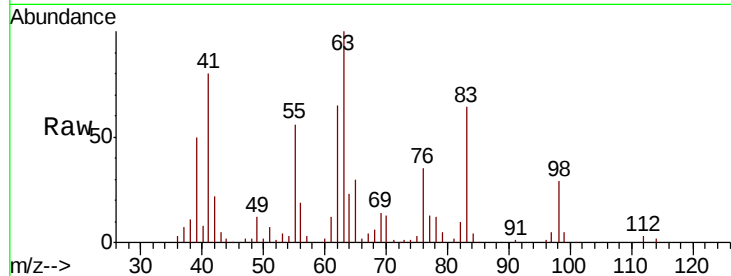
65 30.0 24.4 36.6

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#46

Dibromomethane

Concen: 18.851 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

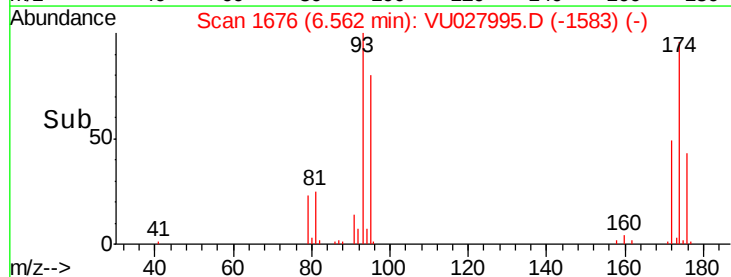
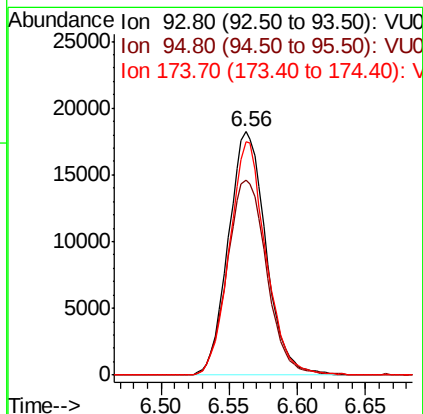
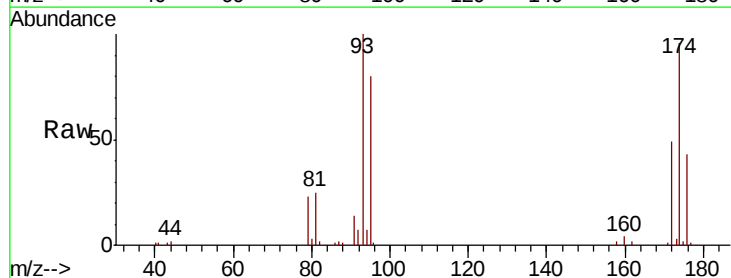
Tgt Ion: 93 Resp: 34855

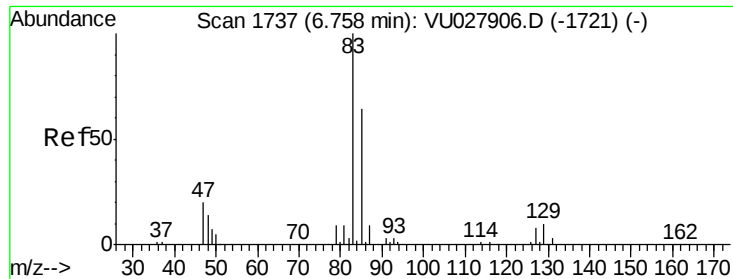
Ion Ratio Lower Upper

93 100

95 84.2 68.5 102.7

174 93.2 76.1 114.1





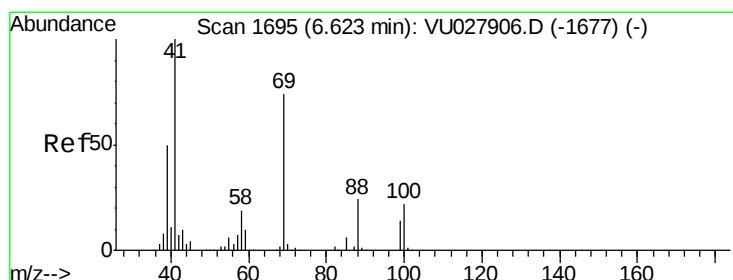
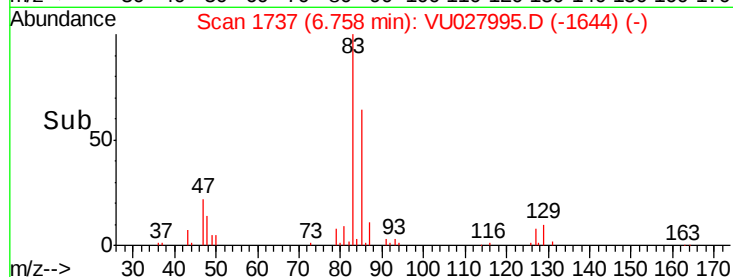
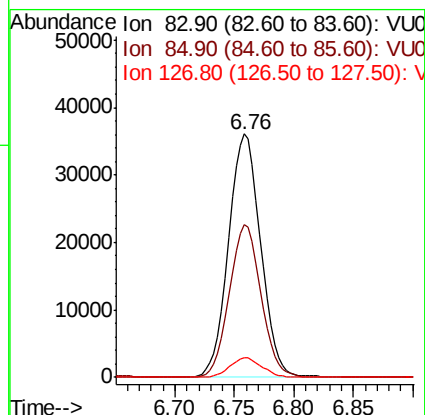
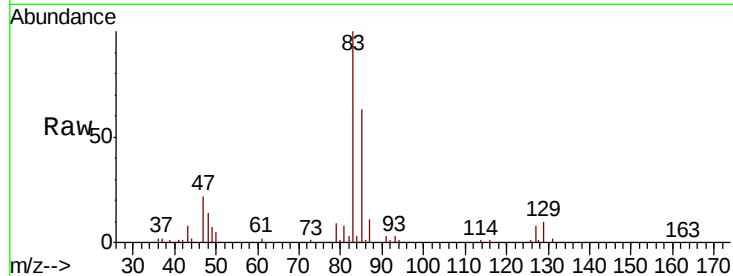
#47
Bromodichloromethane
Concen: 18.980 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	83	Resp	67628
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	51.0	76.6
127	8.0	6.2	9.4

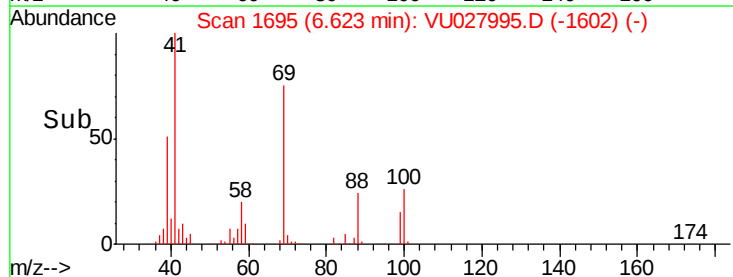
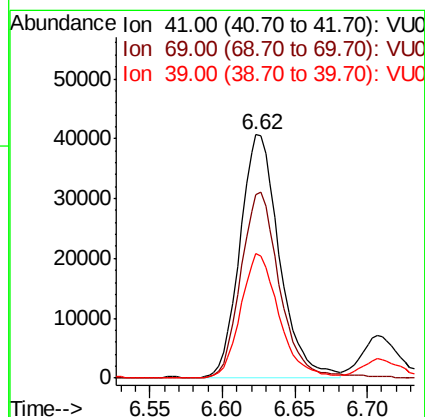
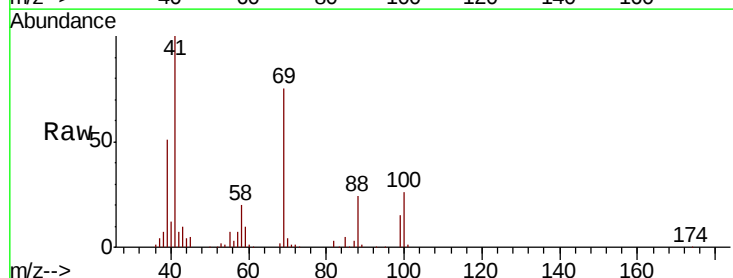
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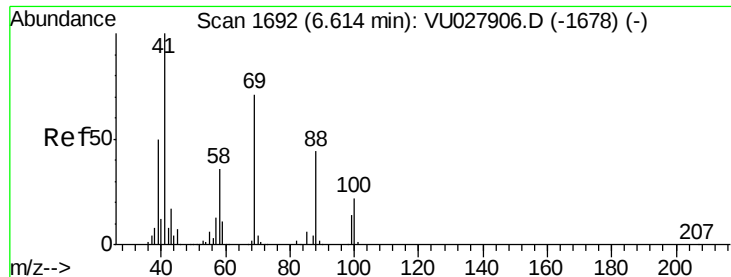
MMDadoda
11/8/2018 9:11:06 AM



#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	41	Resp	77156
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	59.8	89.8
39	49.7	40.0	60.0





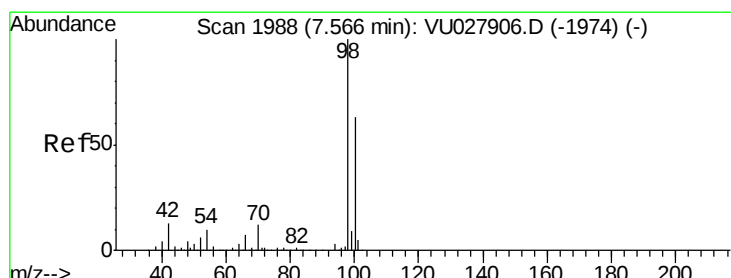
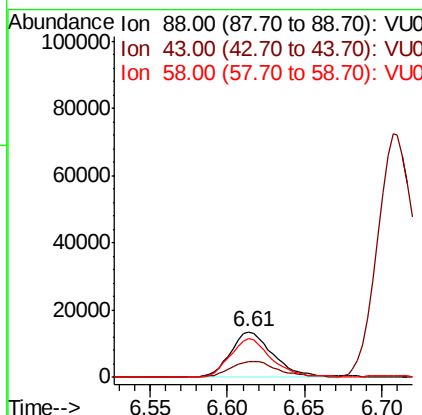
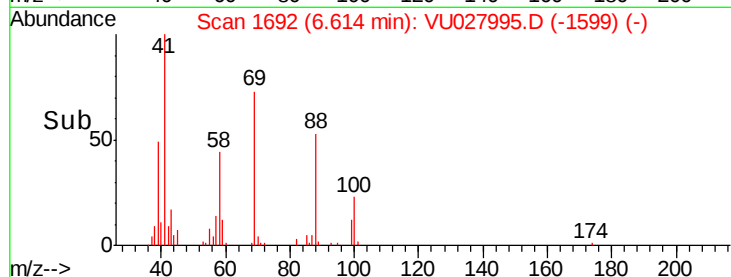
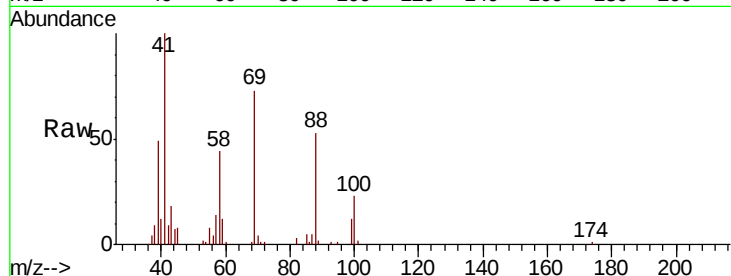
#49
1,4-Dioxane
Concen: 389.996 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	30.5	45.7
58	82.5	67.1	100.7

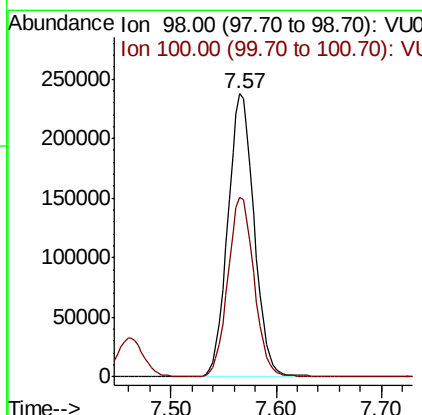
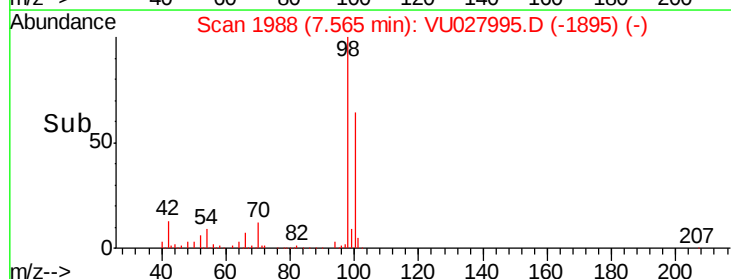
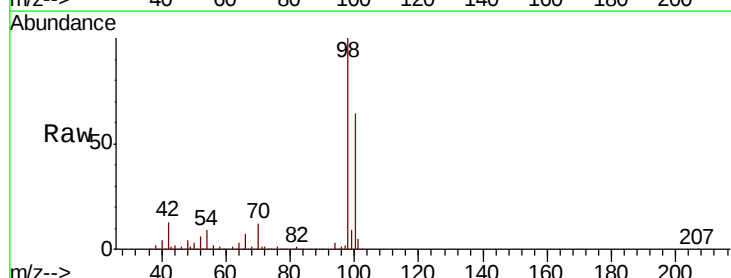
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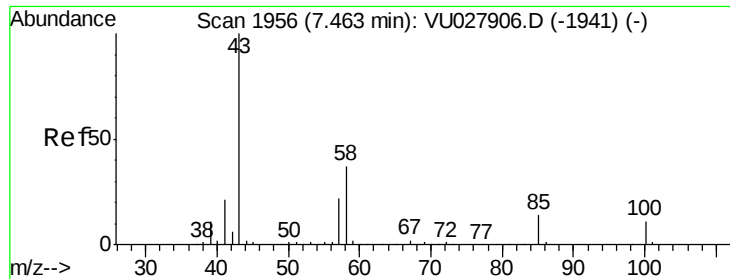
MMDadoda
11/8/2018 9:11:06 AM



#50
Toluene-d8
Concen: 48.199 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 90.692 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion: 43 Resp: 507219

Ion Ratio Lower Upper

43 100

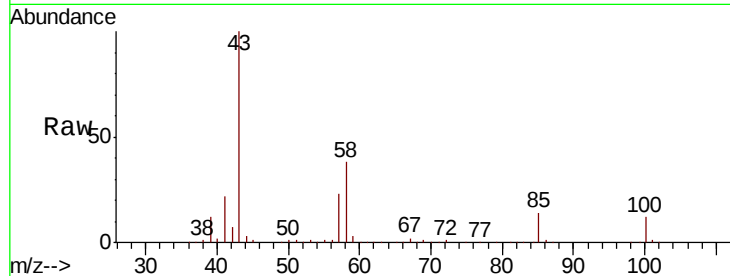
58 37.6 29.5 44.3

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11/8/2018 9:11:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

300000

250000

200000

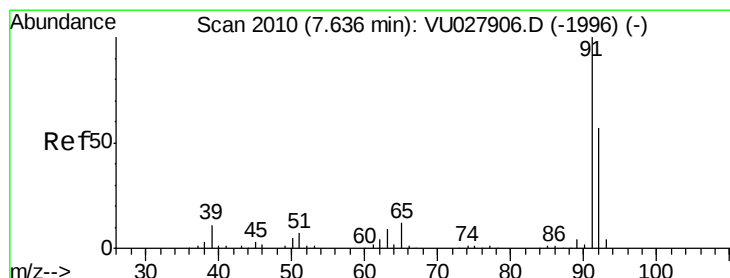
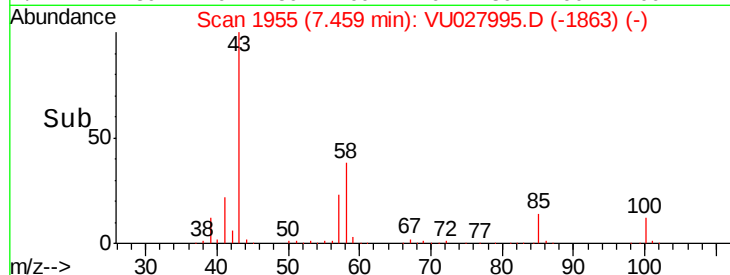
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.373 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027995.D

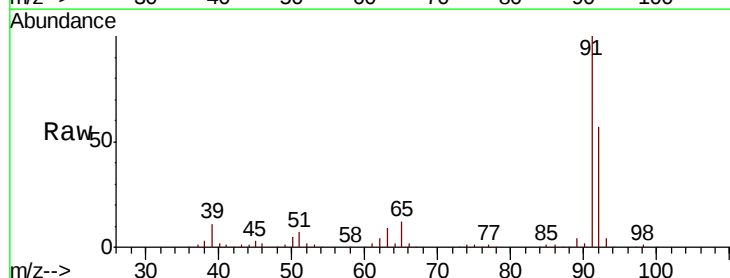
Acq: 07 Nov 2018 11:07

Tgt Ion: 92 Resp: 120473

Ion Ratio Lower Upper

92 100

91 177.0 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

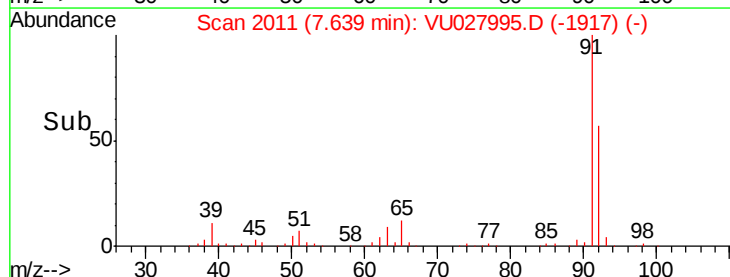
7.64

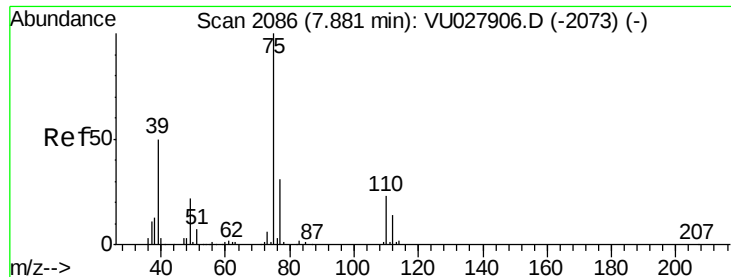
100000

50000

0

Time-->





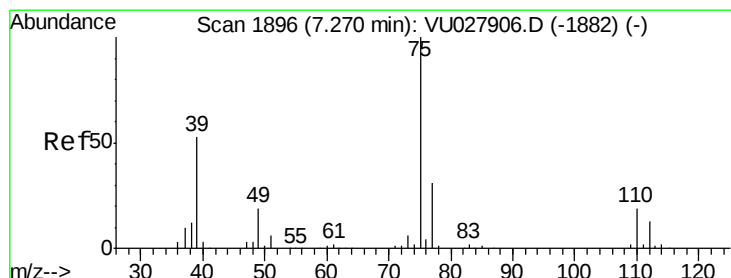
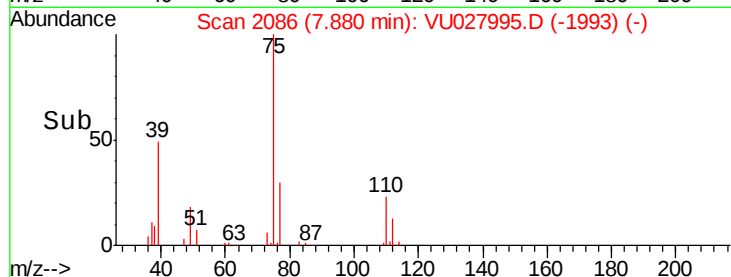
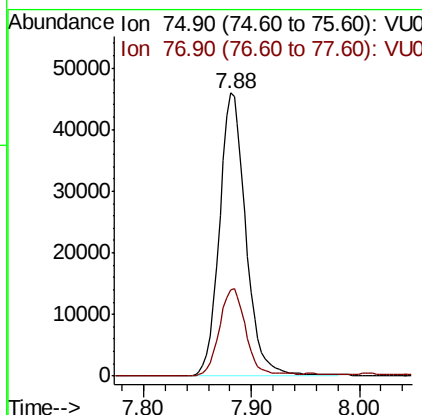
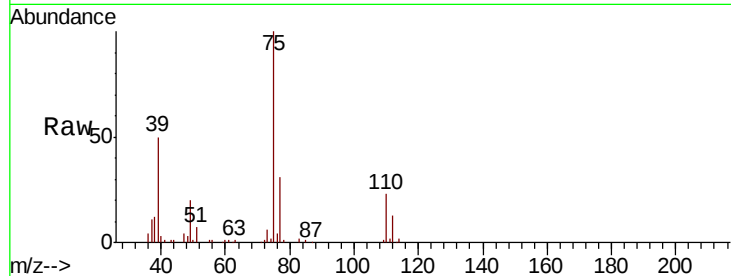
#53
t-1,3-Dichloropropene
Concen: 18.404 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion: 75 Resp: 78126
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7

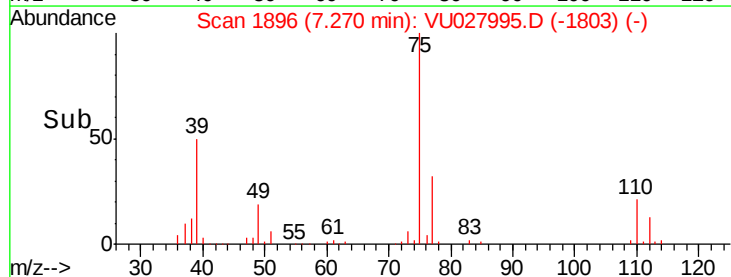
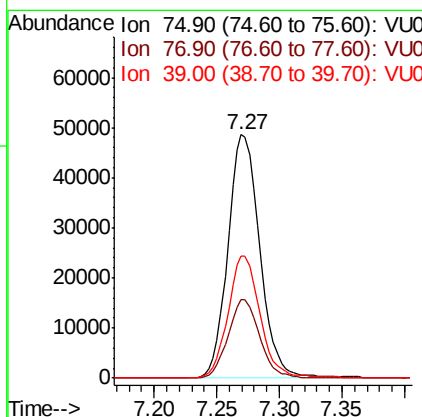
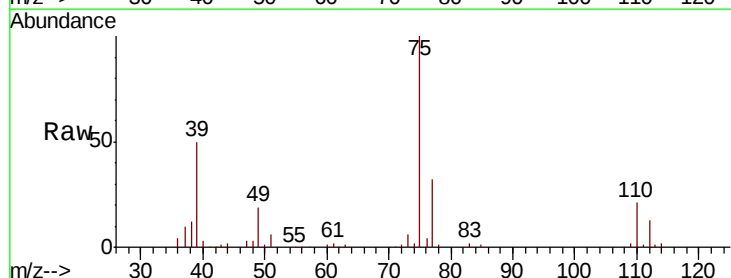
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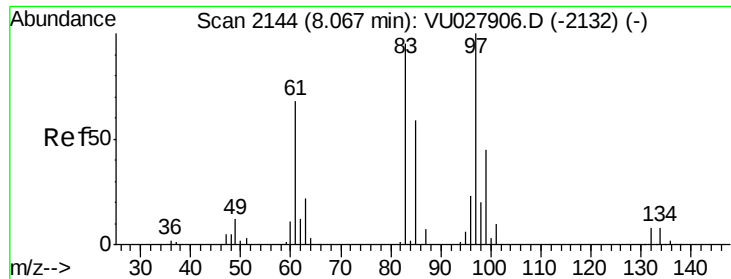
MMDadoda
11/8/2018 9:11:06 AM



#54
cis-1,3-Dichloropropene
Concen: 19.541 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion: 75 Resp: 85834
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0
39 50.2 42.6 64.0





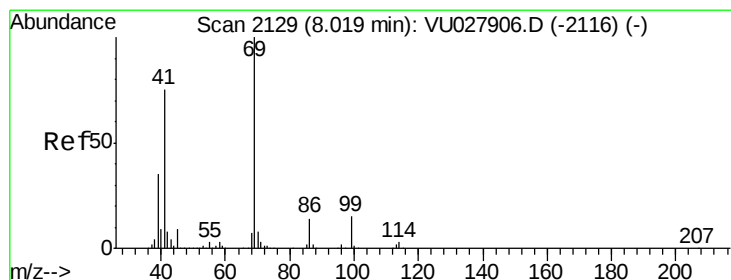
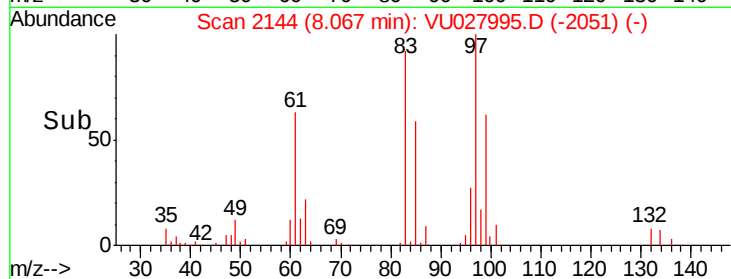
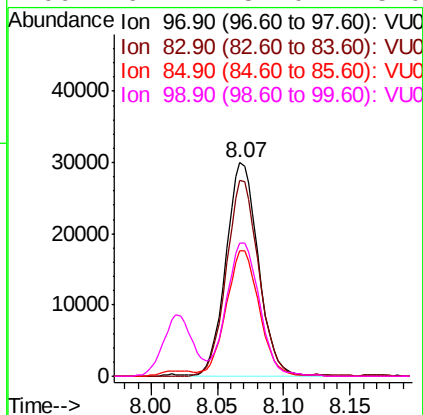
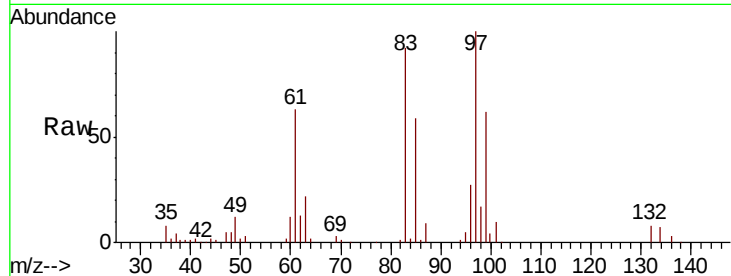
#55
 1,1,2-Trichloroethane
 Concen: 19.128 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion:	97	Resp:	51029
Ion	Ratio	Lower	Upper
97	100		
83	91.8	76.1	114.1
85	58.6	48.9	73.3
99	62.4	52.0	78.0

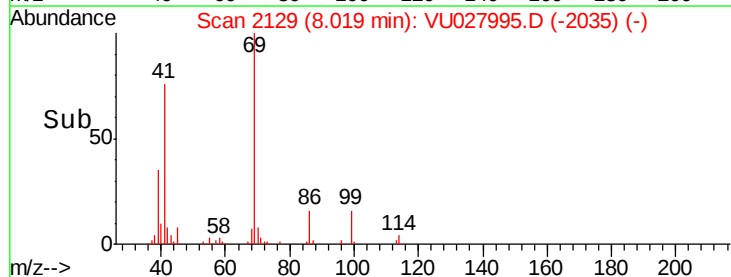
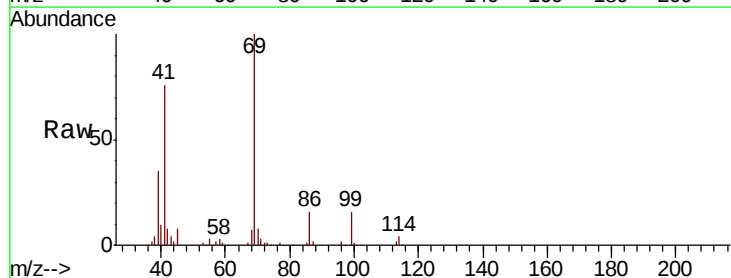
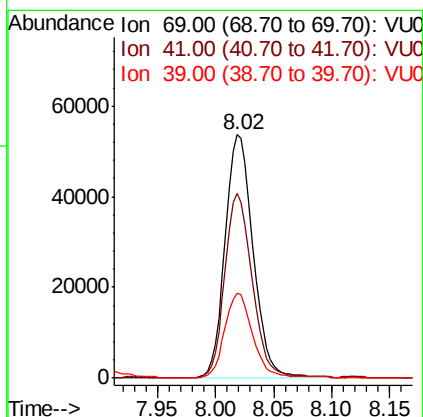
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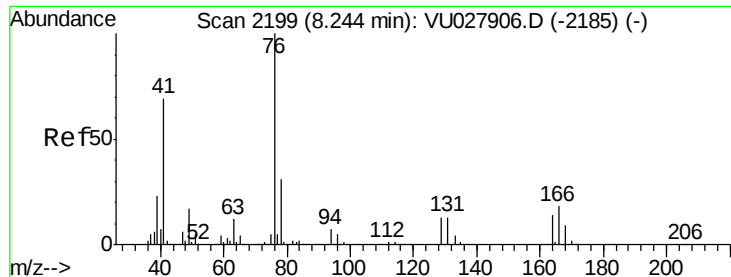
MMDadoda
 11/8/2018 9:11:06 AM



#56
 Ethyl methacrylate
 Concen: 19.095 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion:	69	Resp:	89832
Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.8	89.6
39	33.8	28.6	42.8





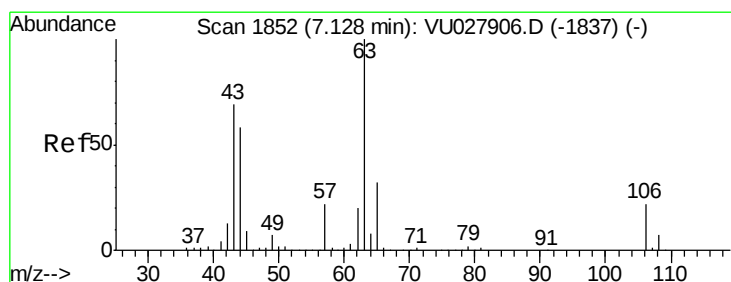
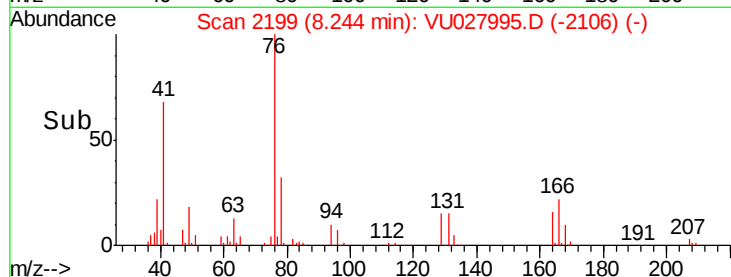
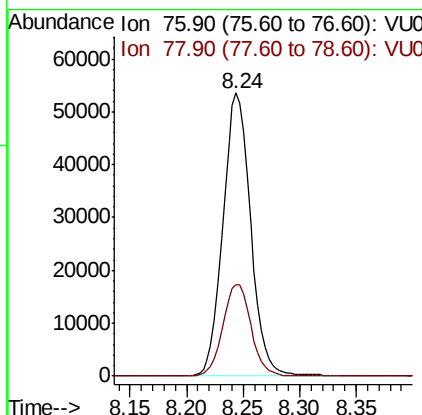
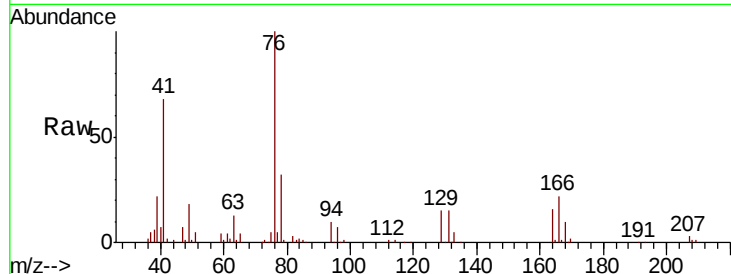
#57
 1,3-Dichloropropane
 Concen: 18.835 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion: 76 Resp: 91530
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.3 37.9

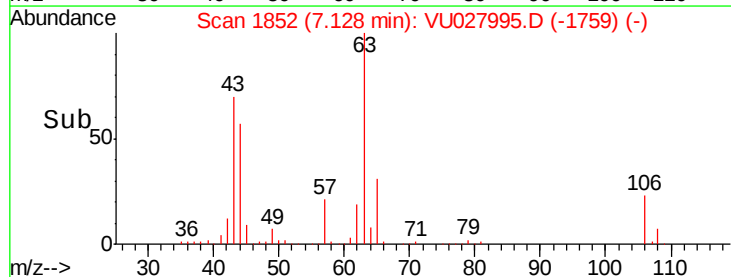
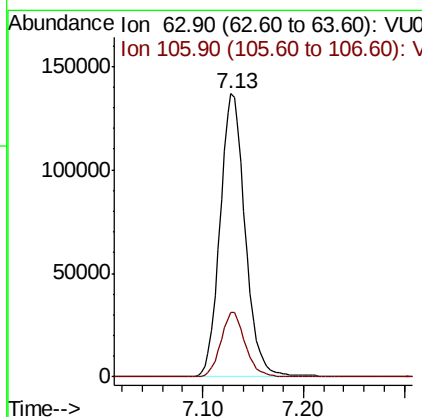
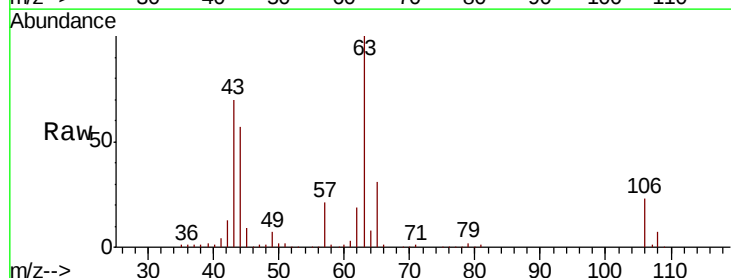
Manual Integrations
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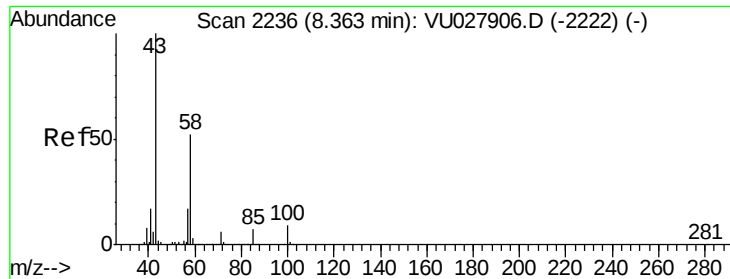
MMDadoda
 11/8/2018 9:11:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.524 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion: 63 Resp: 238167
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6





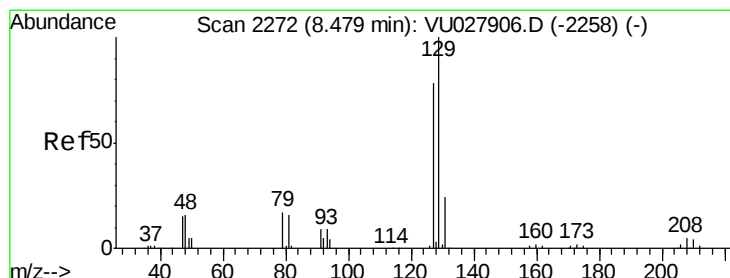
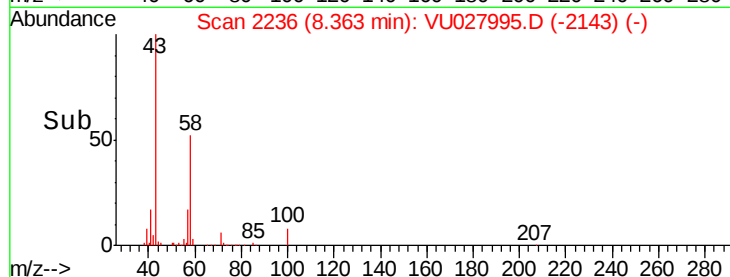
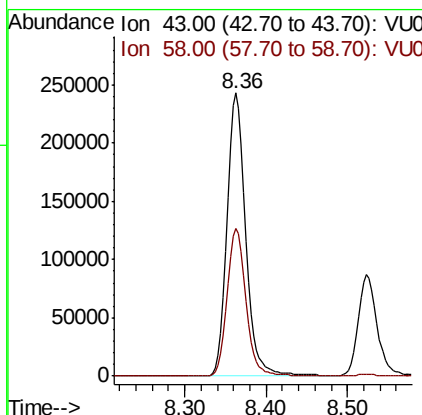
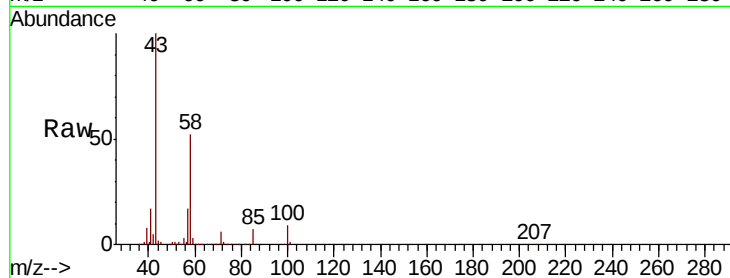
#59
2-Hexanone
Concen: 91.644 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.8	77.3

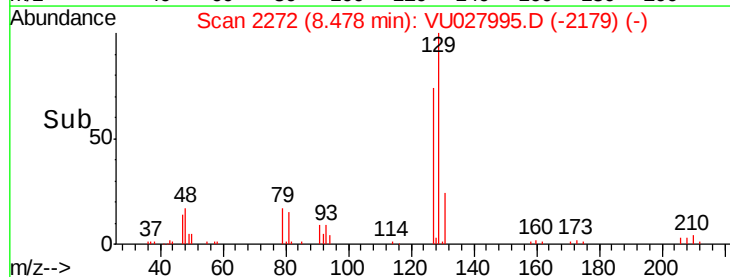
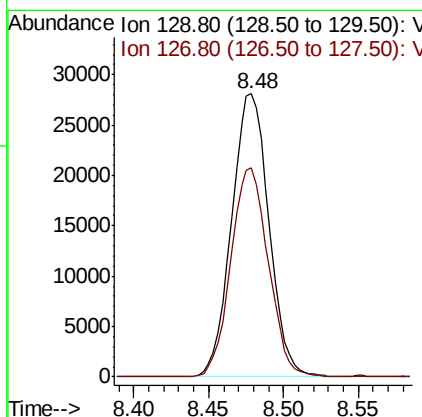
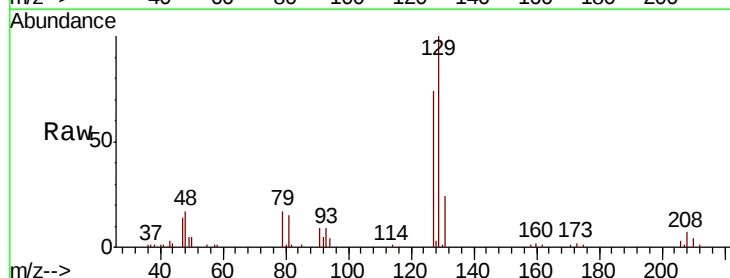
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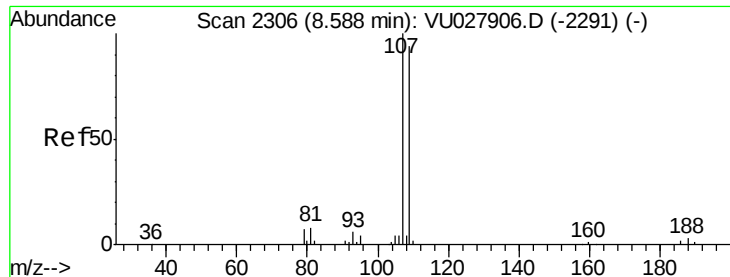
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11/8/2018 9:11:06 AM



#60
Dibromochloromethane
Concen: 19.317 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.2	39.2	117.6





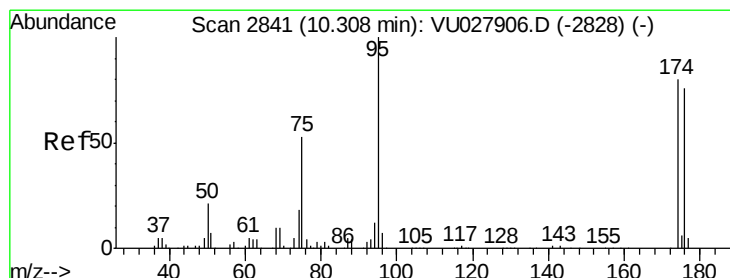
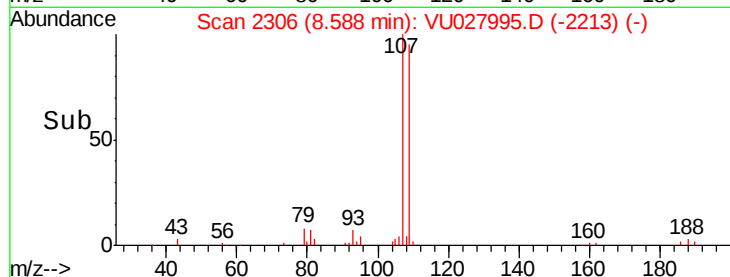
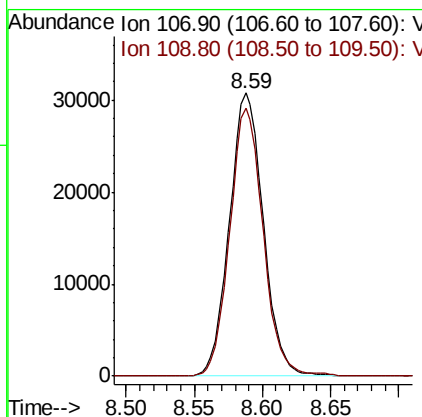
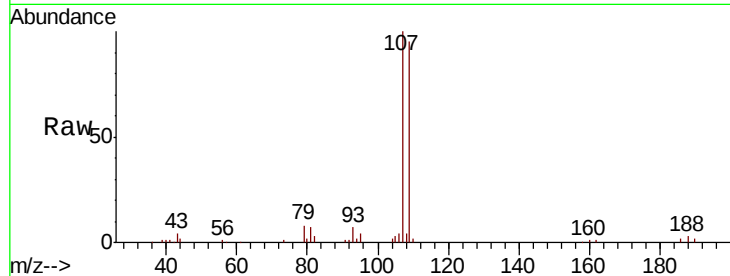
#61
 1,2-Dibromoethane
 Concen: 18.723 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion:107 Resp: 53074
 Ion Ratio Lower Upper
 107 100
 109 93.4 73.8 110.8

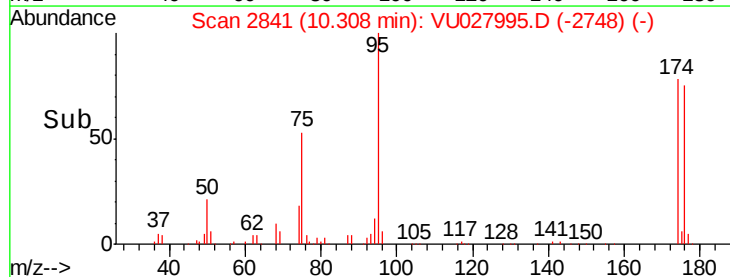
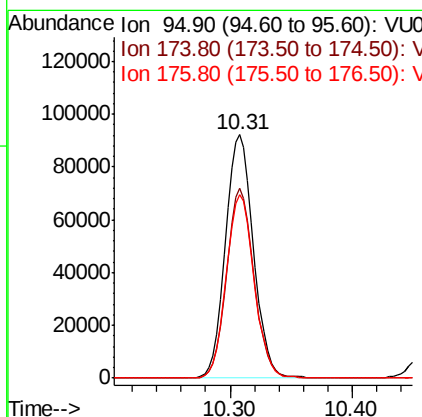
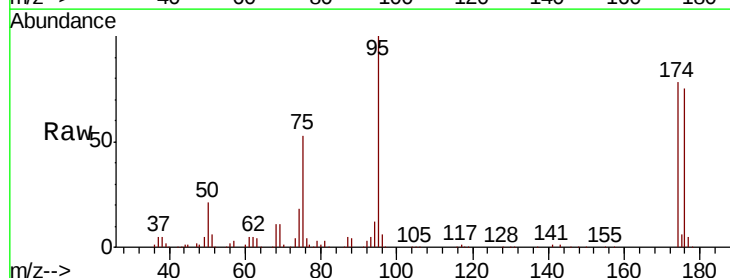
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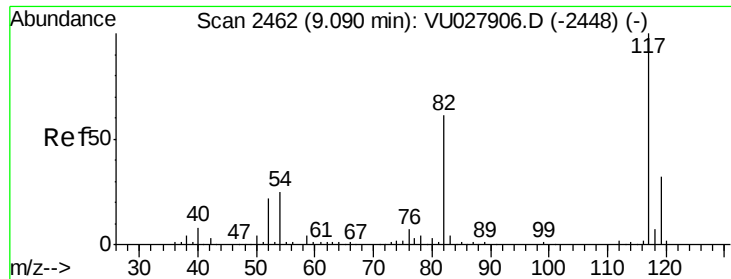
MMDadoda
 11/8/2018 9:11:06 AM



#62
 4-Bromofluorobenzene
 Concen: 47.444 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion: 95 Resp: 148464
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 156.4
 176 74.8 0.0 150.8





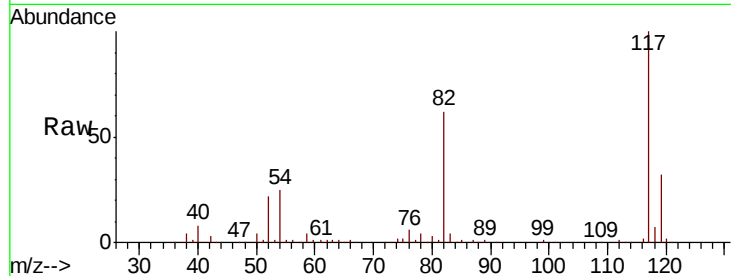
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	48.6	73.0
119	32.0	25.8	38.8

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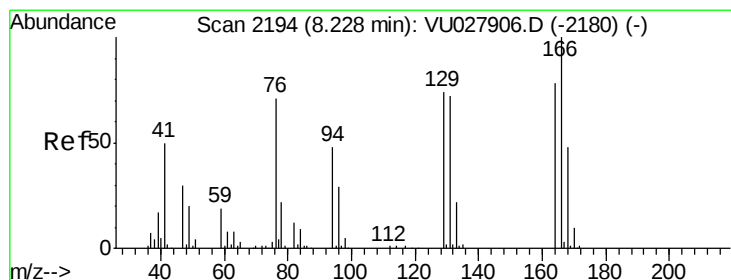
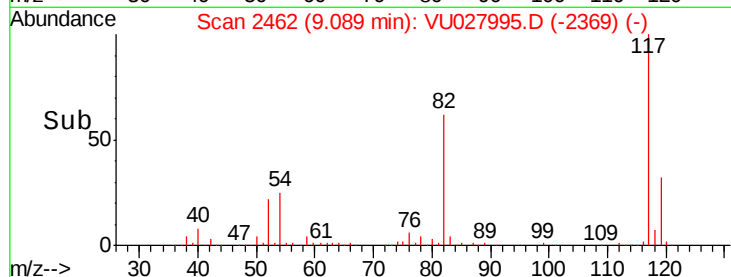
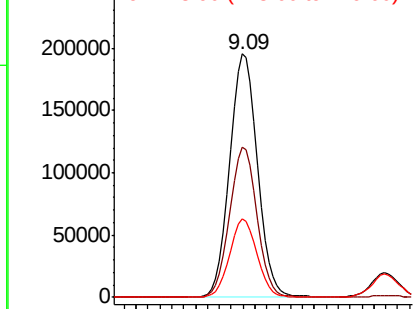


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.896 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.1	153.1
129	97.2	75.9	113.9
131	92.7	73.0	109.6

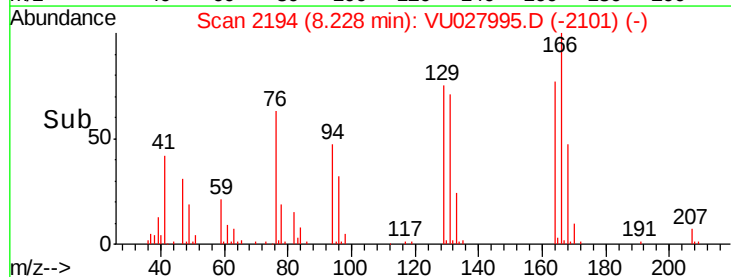
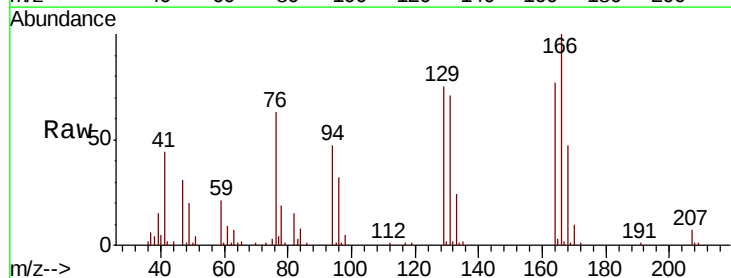
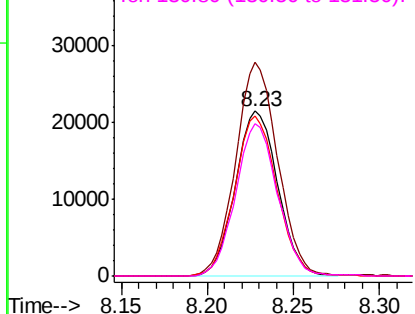
Abundance

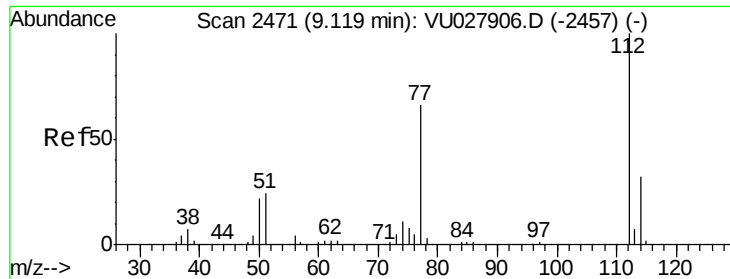
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





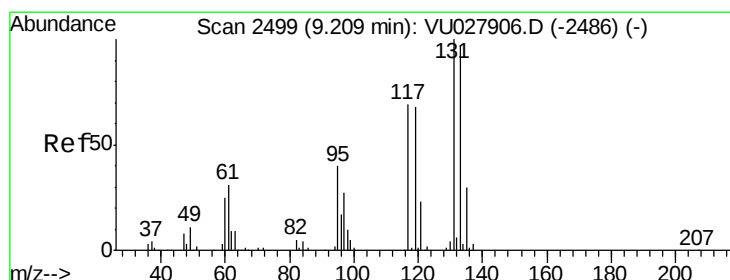
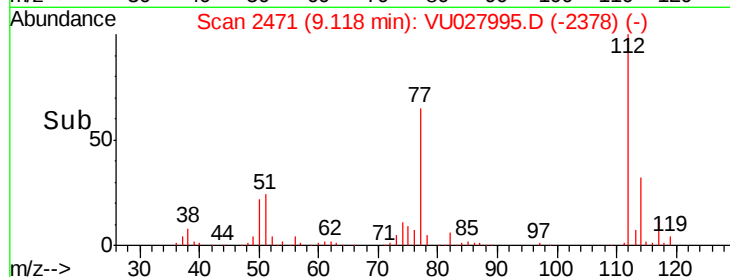
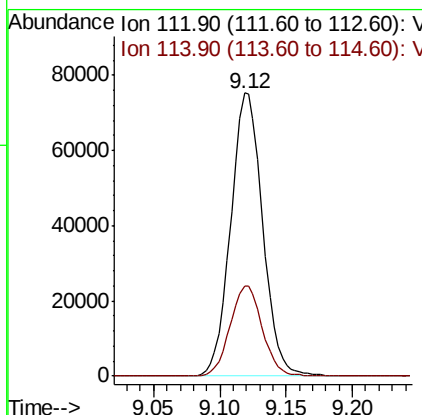
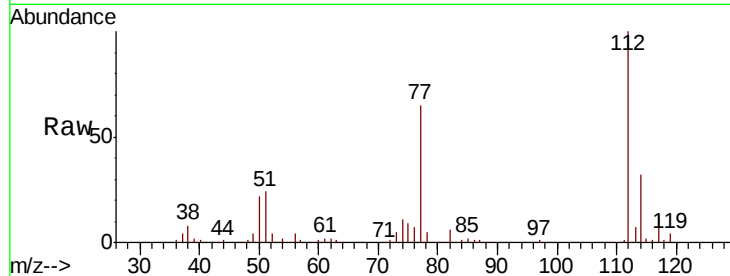
#65
Chlorobenzene
Concen: 18.815 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion:112 Resp: 125992
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

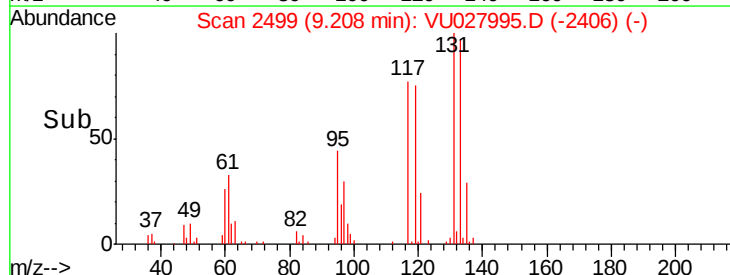
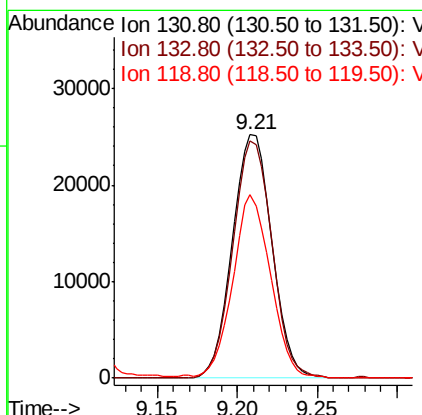
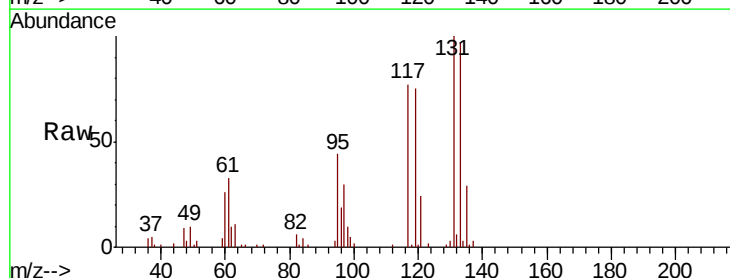
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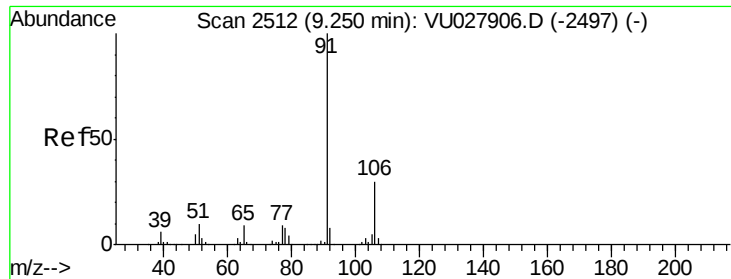
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.558 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion:131 Resp: 42446
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 72.6 34.0 101.8





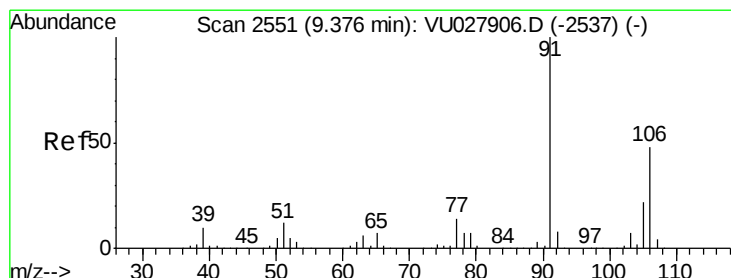
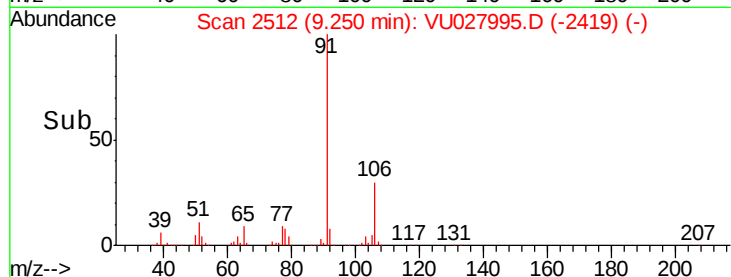
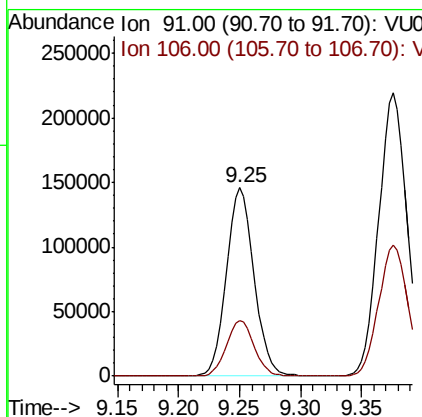
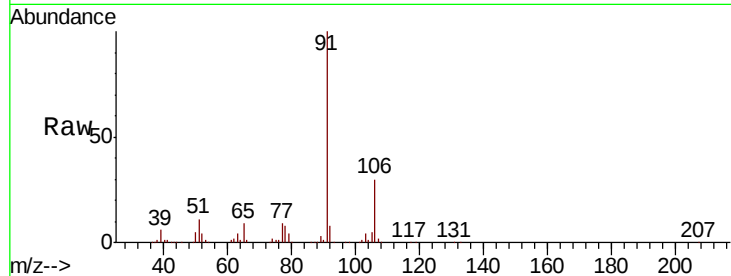
#67
Ethyl Benzene
Concen: 18.841 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion: 91 Resp: 232226
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

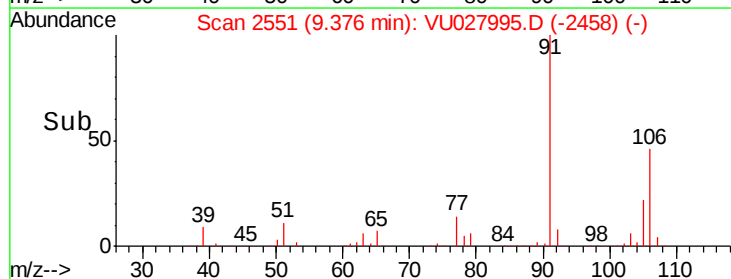
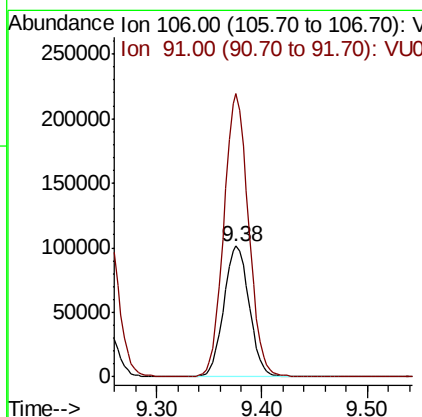
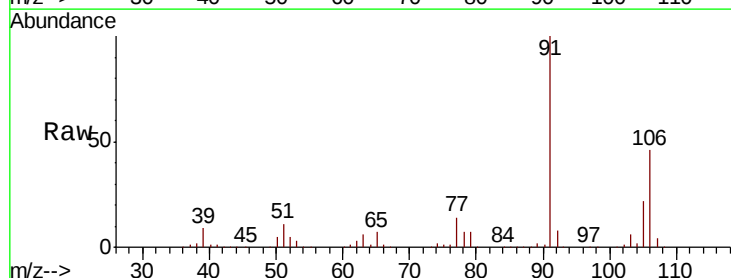
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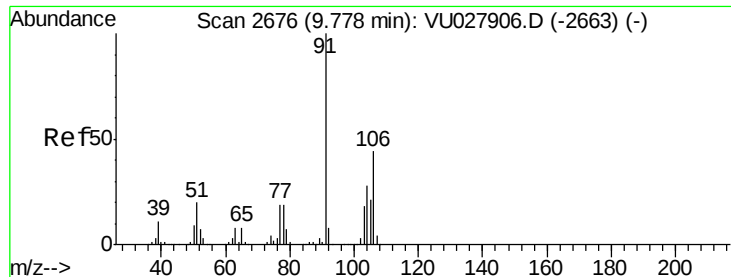
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#68
m/p-Xylenes
Concen: 37.765 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion: 106 Resp: 168893
Ion Ratio Lower Upper
106 100
91 209.4 168.2 252.4





#69

o-Xylene

Concen: 18.235 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleID :

VU1107WBSD01

Tot Ion:106 Resp: 82350

Ion Ratio Lower Upper

106 100

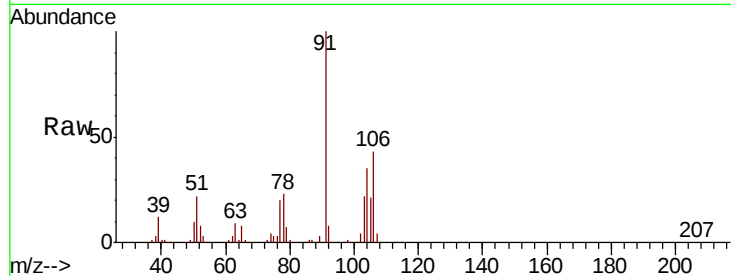
91 230.6 111.1 333.4

Manual Integrations

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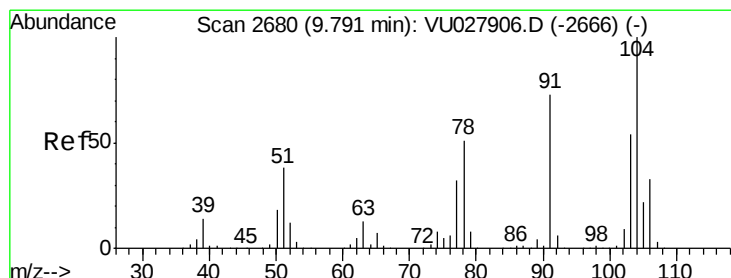
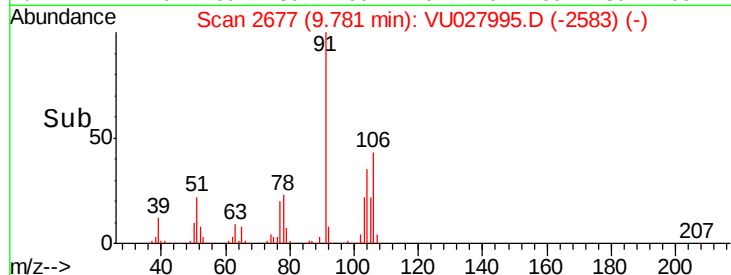
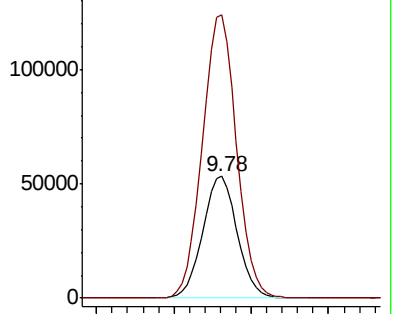
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#70

Styrene

Concen: 18.749 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

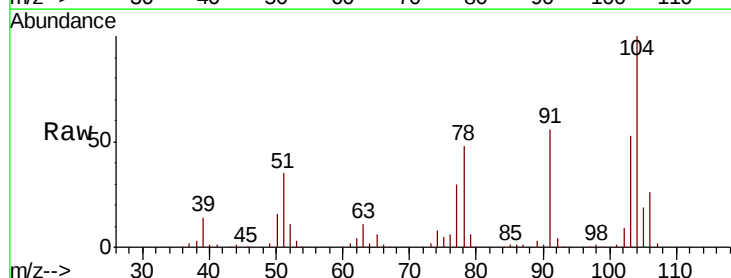
Tgt Ion:104 Resp: 135286

Ion Ratio Lower Upper

104 100

78 53.7 43.0 64.4

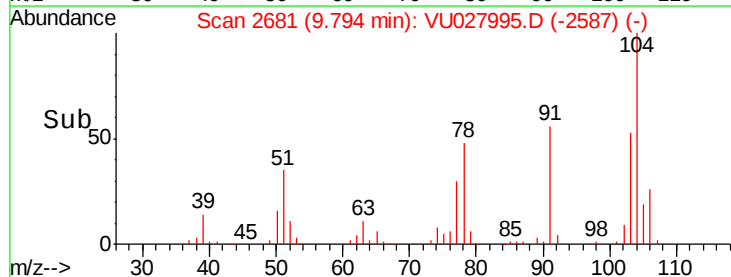
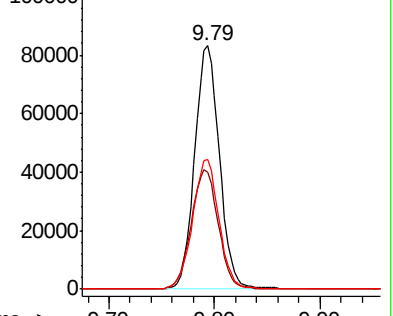
103 56.4 45.1 67.7

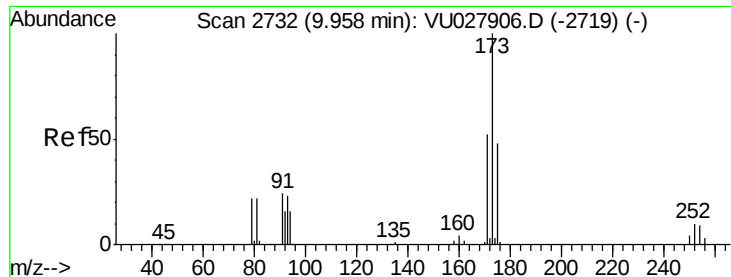


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





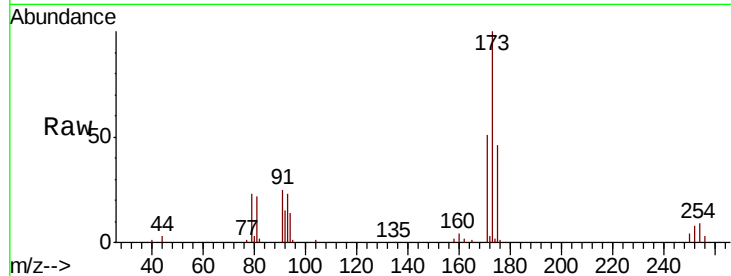
#71
Bromoform
Concen: 18.850 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.8
254	0.0	0.0	0.0

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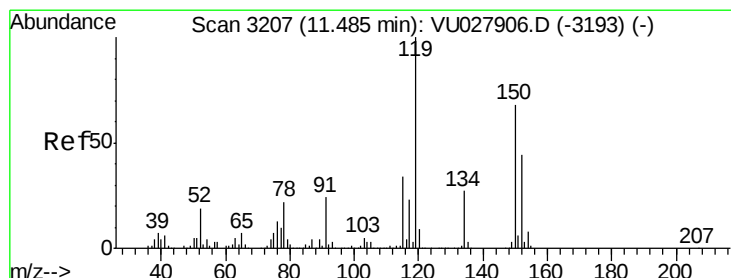
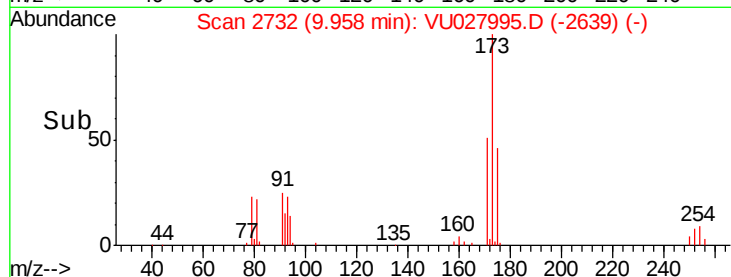
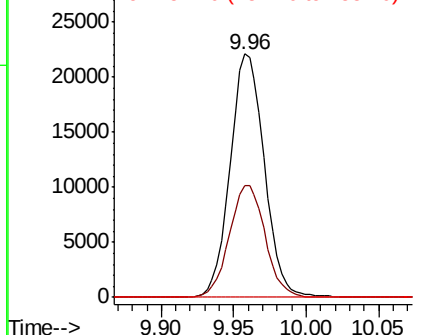


Abundance

Ion 172.70 (172.40 to 173.40): V

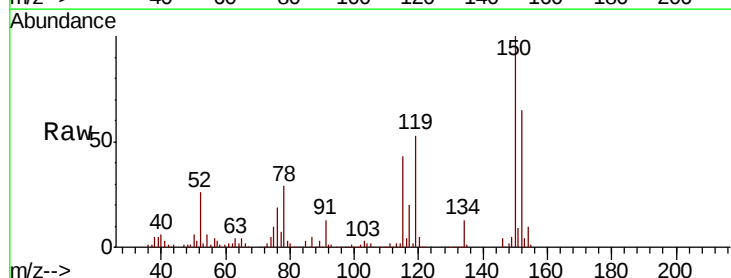
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.4	43.0	129.0
150	163.0	0.0	349.4

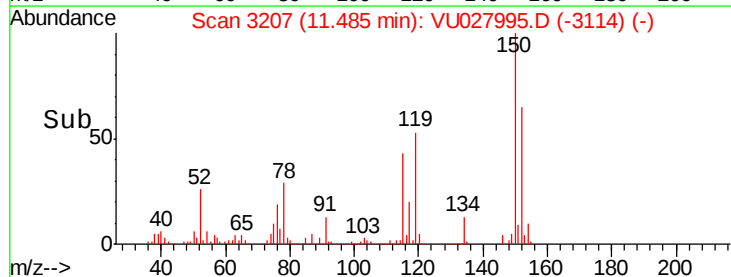
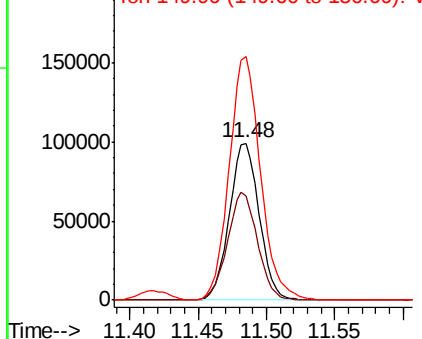


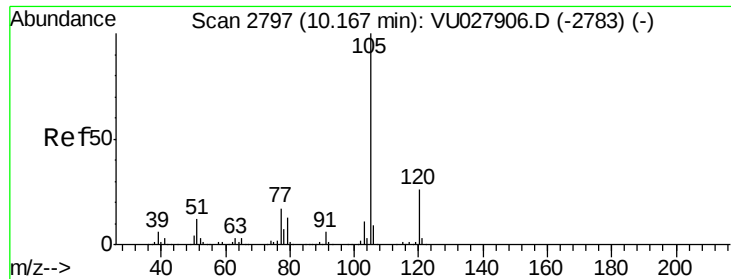
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





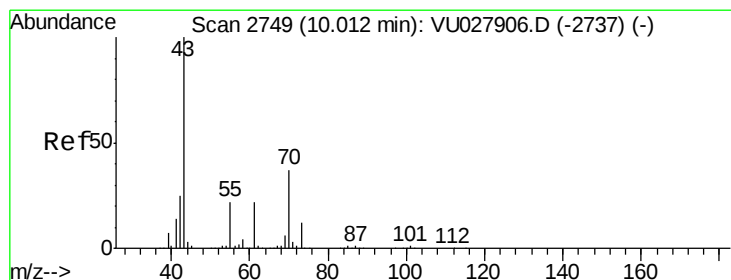
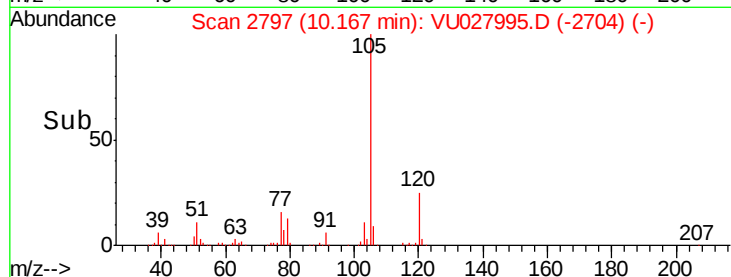
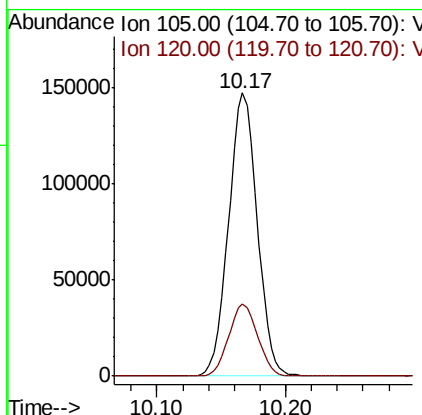
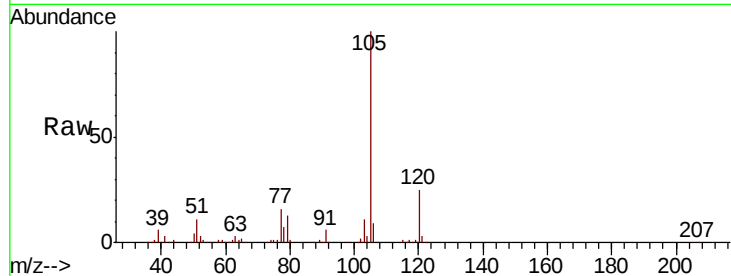
#73
Isopropylbenzene
Concen: 19.462 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.7	38.0

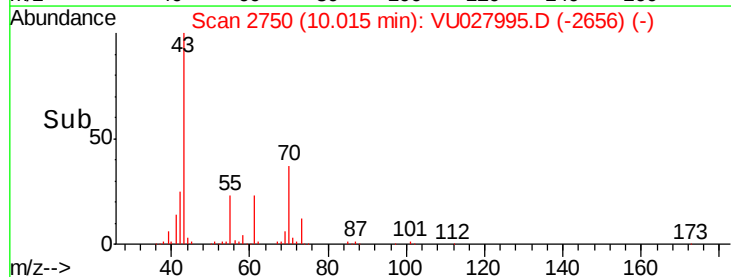
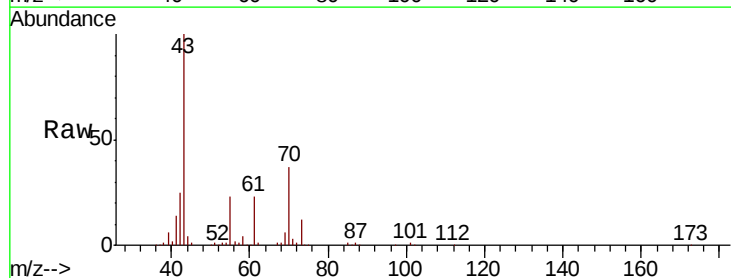
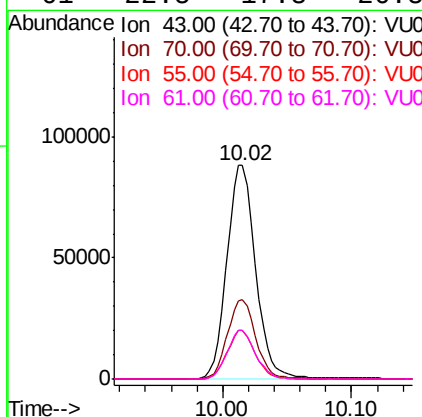
Manual Integrations
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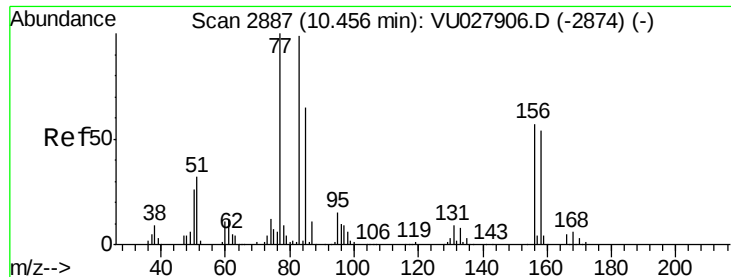
MMDadoda
11/8/2018 9:11:06 AM



#74
N-ethyl acetate
Concen: 19.395 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.2	43.8
55	22.2	17.8	26.6
61	22.5	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.111 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

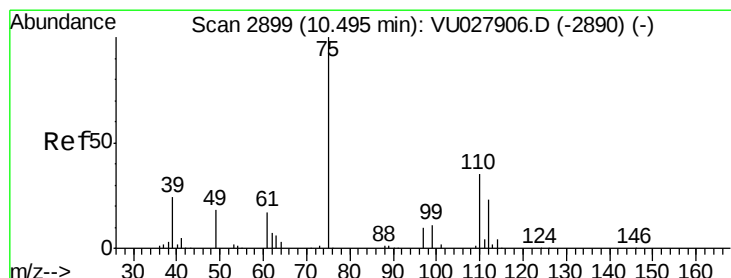
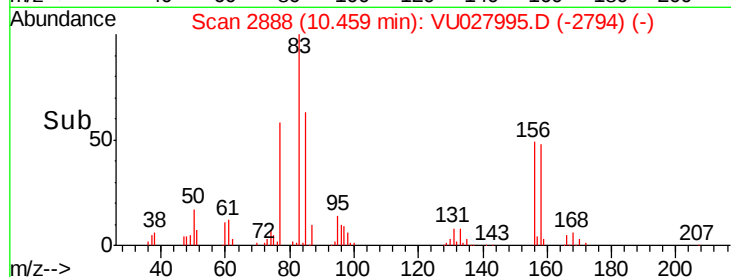
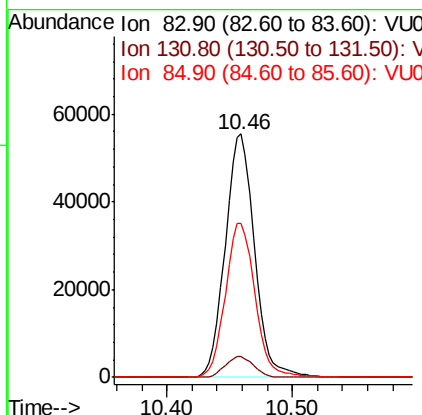
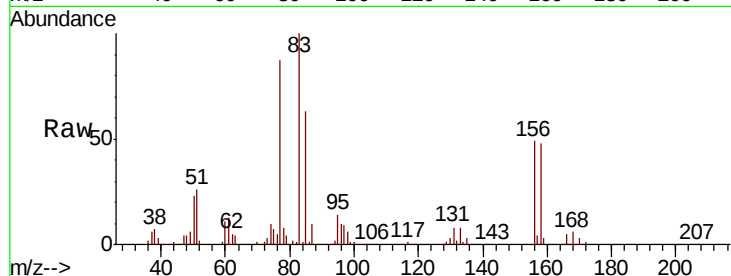
ClientSampleId :

VU1107WBSD01

Tot Ion:	83	Resp:	89811
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	13.1
85	64.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.370 ug/l m

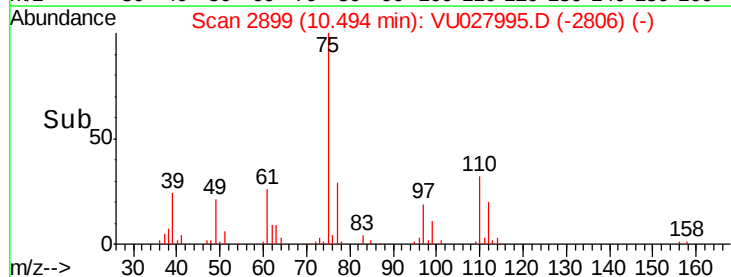
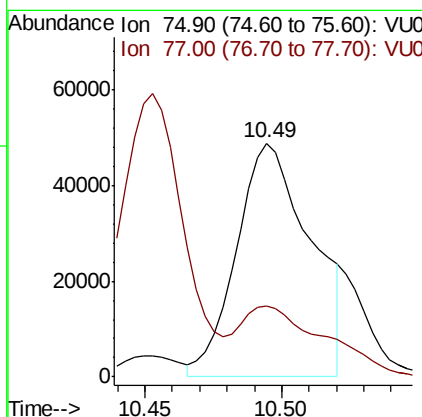
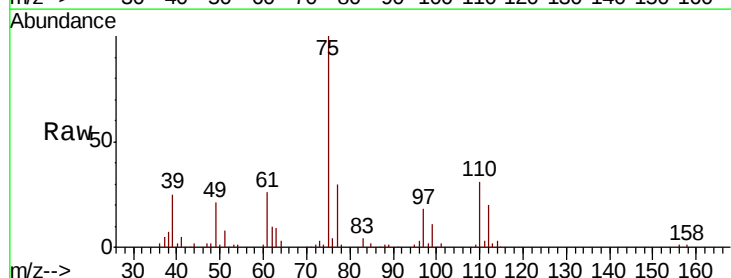
RT: 10.49 min Scan# 2899

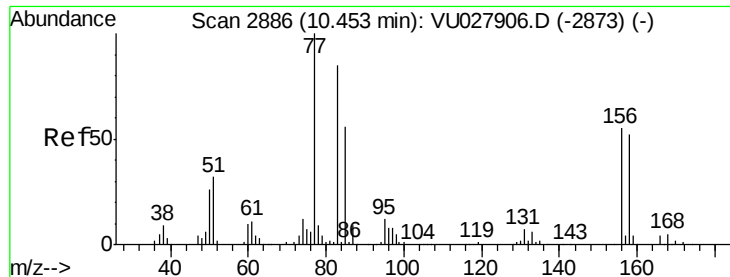
Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	75	Resp:	92020
Ion Ratio	Lower	Upper	
75	100		
77	35.7	21.6	64.6





#77

Bromobenzene

Concen: 19.423 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBSD01

Tot Ion:156 Resp: 51887

Ion Ratio Lower Upper

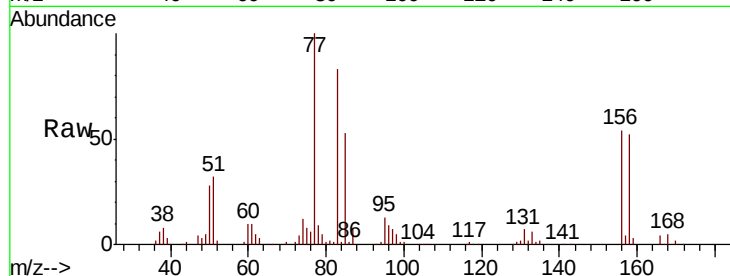
156 100

77 184.0 91.8 275.6

158 97.6 48.4 145.2

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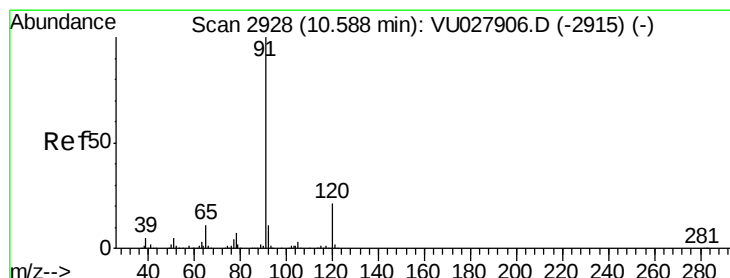
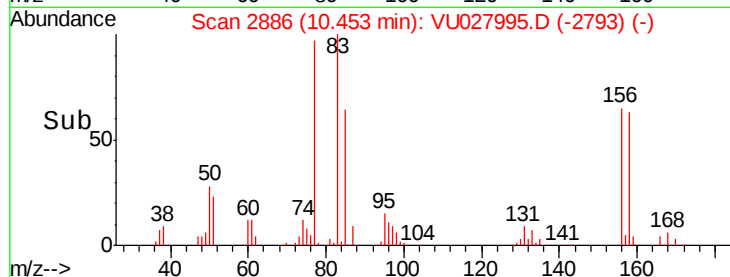
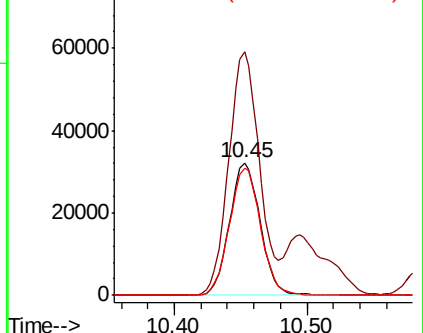
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11/8/2018 9:11:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.245 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027995.D

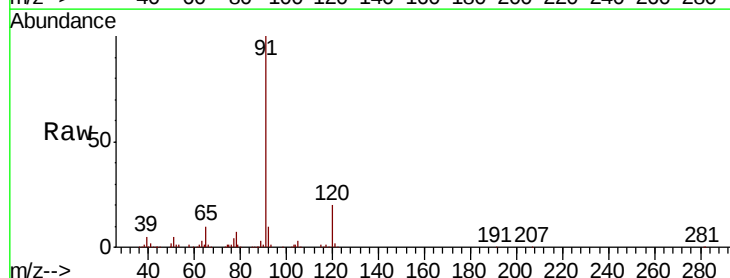
Acq: 07 Nov 2018 11:07

Tgt Ion: 91 Resp: 268380

Ion Ratio Lower Upper

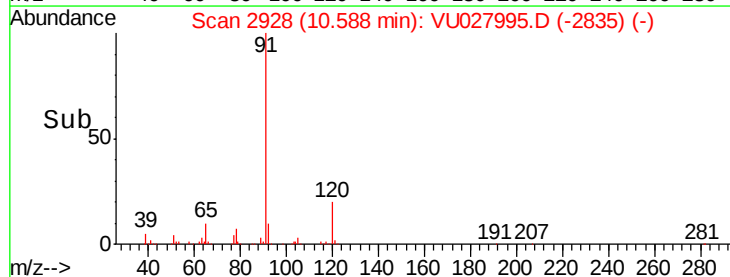
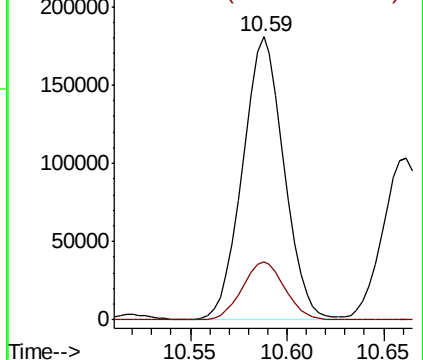
91 100

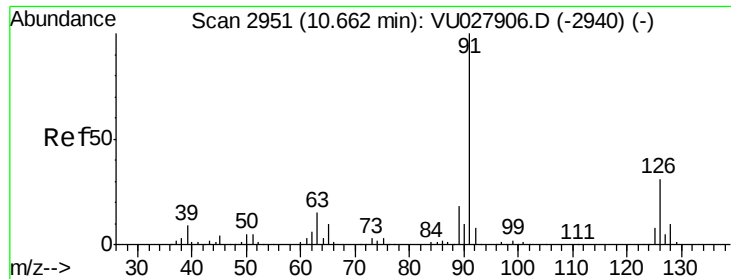
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





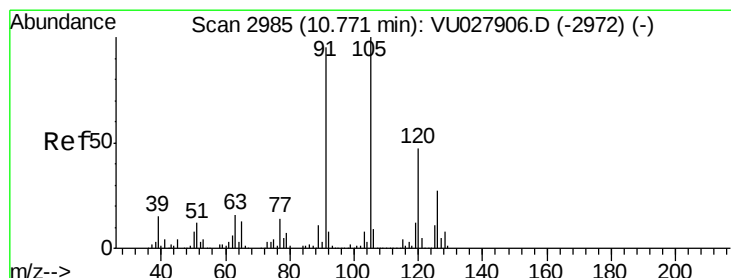
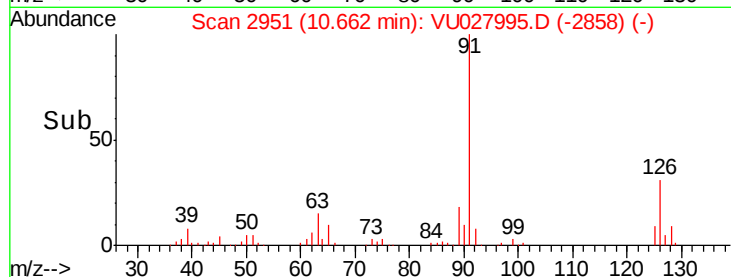
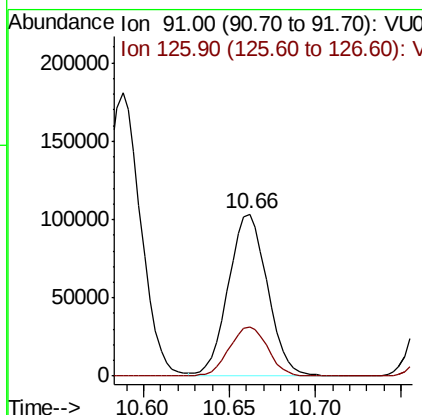
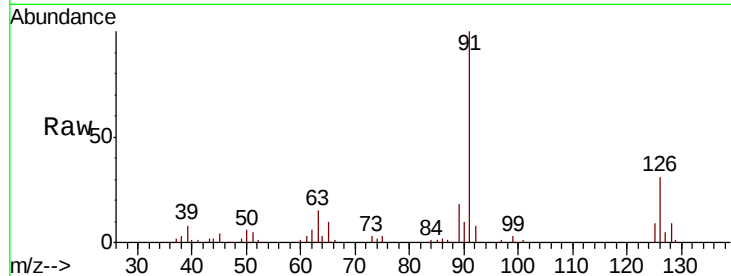
#79
 2-Chlorotoluene
 Concen: 19.382 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion: 91 Resp: 162013
 Ion Ratio Lower Upper
 91 100
 126 30.4 16.0 47.9

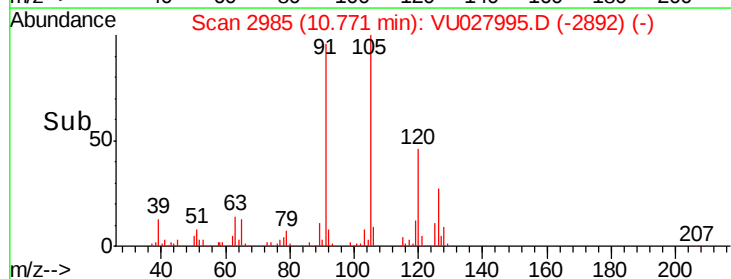
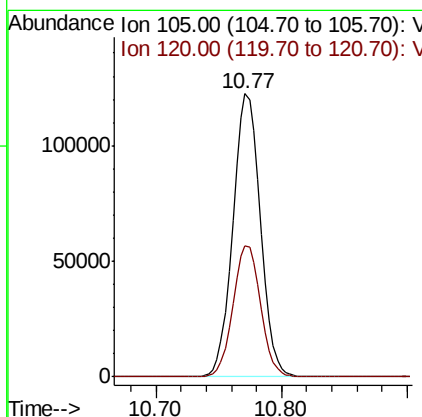
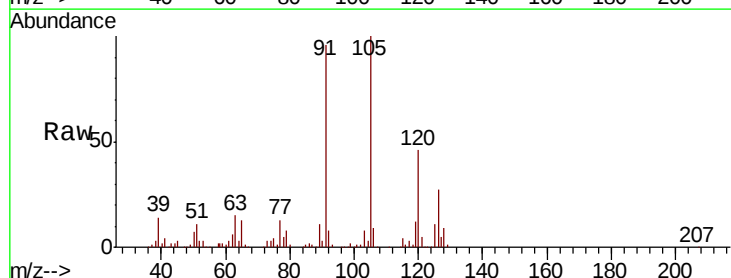
Manual Integrations
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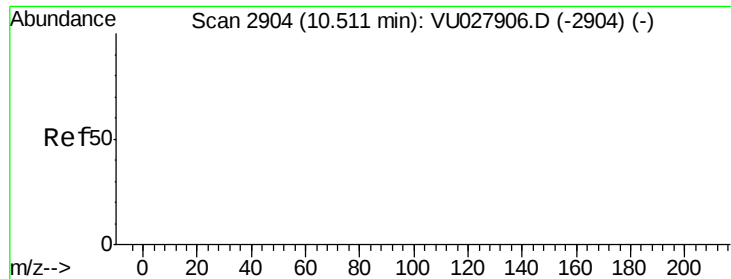
MMDadoda
 11/8/2018 9:11:06 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.319 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion: 105 Resp: 186447
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9





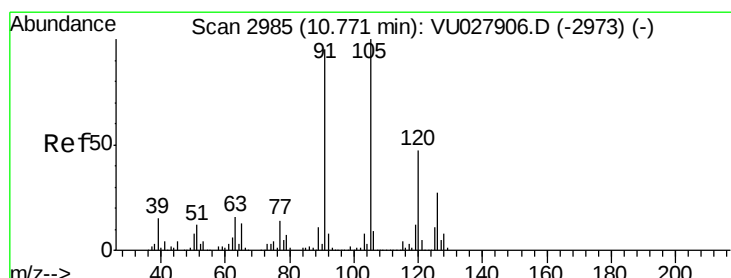
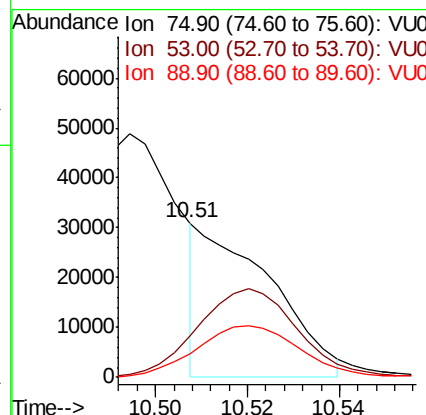
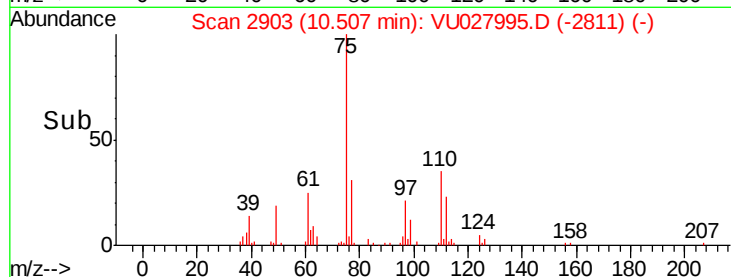
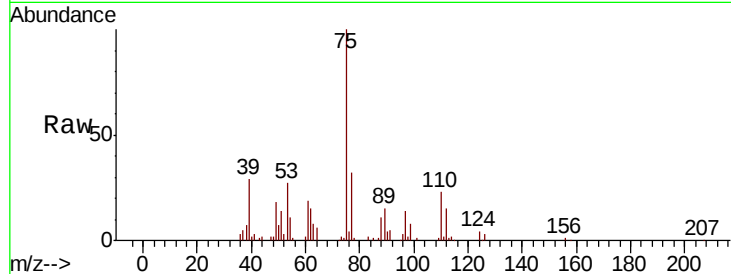
#81
trans-1,4-Dichloro-2-butene
Concen: 20.726 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

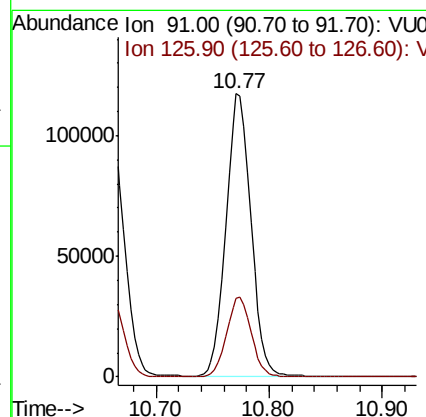
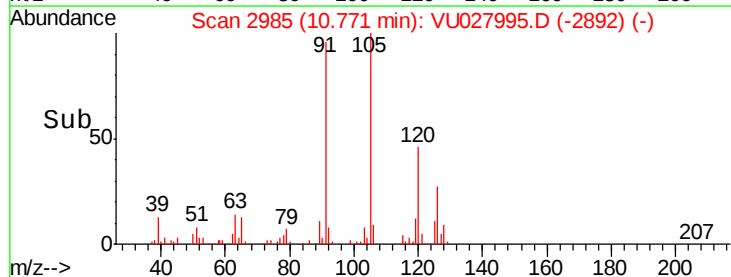
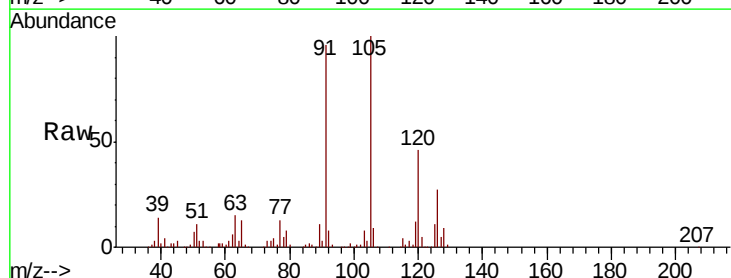
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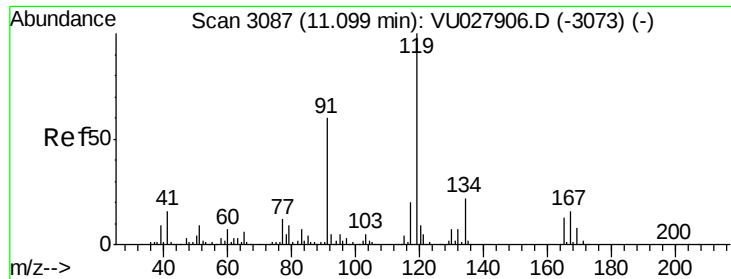
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.967 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.2	42.6





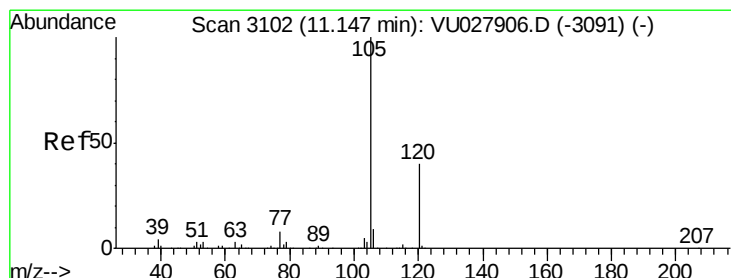
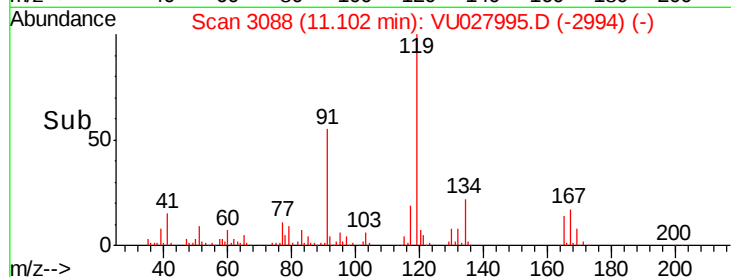
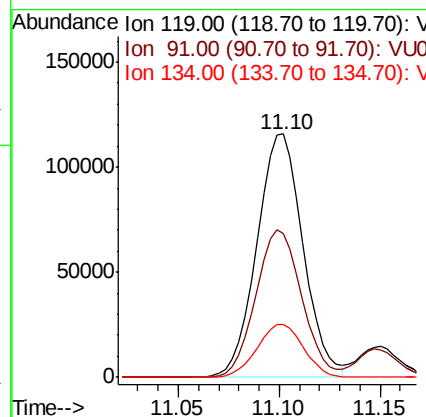
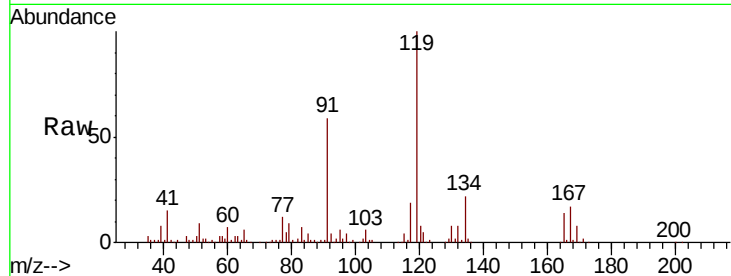
#83
tert-Butylbenzene
Concen: 19.174 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184998		
91	60.4	29.8	89.3	
134	21.9	11.1	33.1	

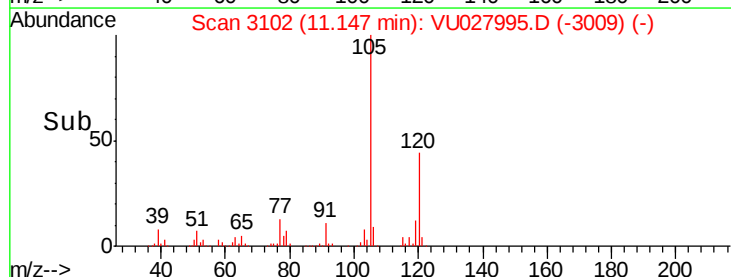
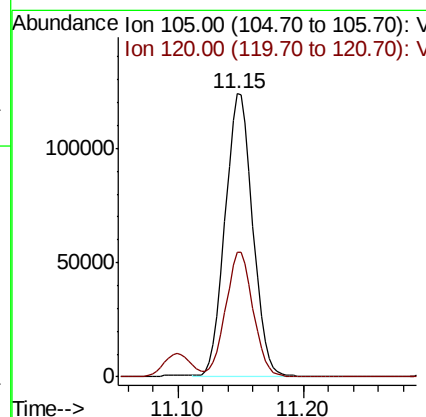
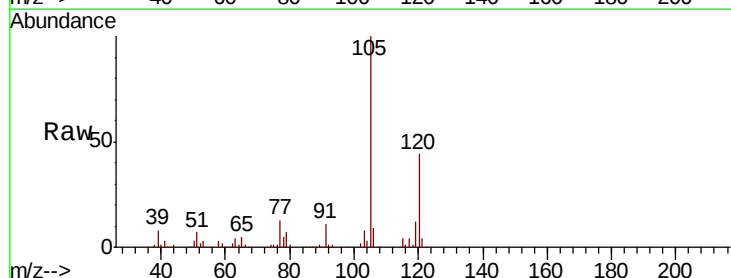
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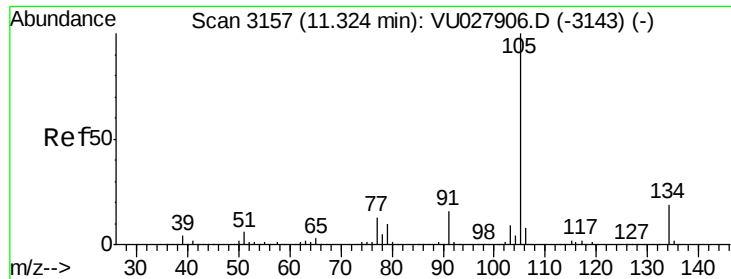
MMDadoda
11/8/2018 9:11:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.619 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190667		
120	43.6	22.1	66.1	





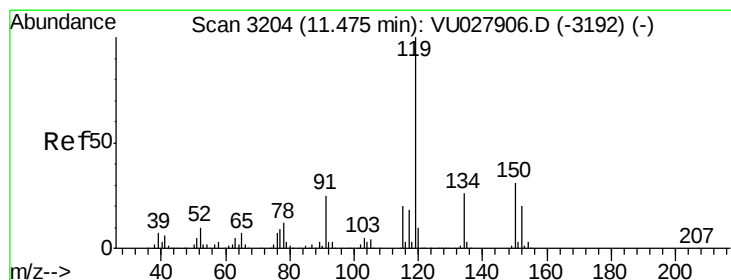
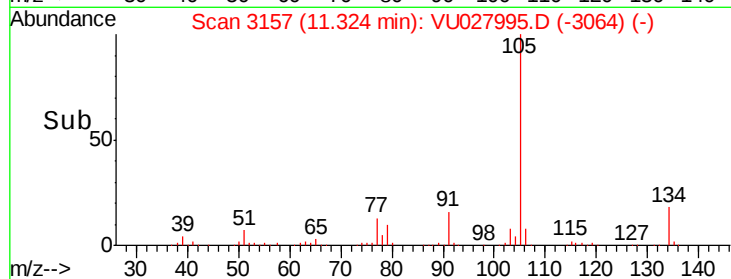
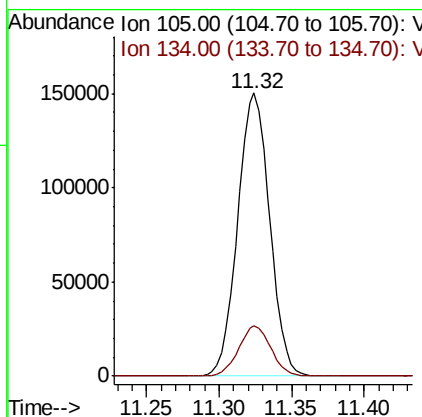
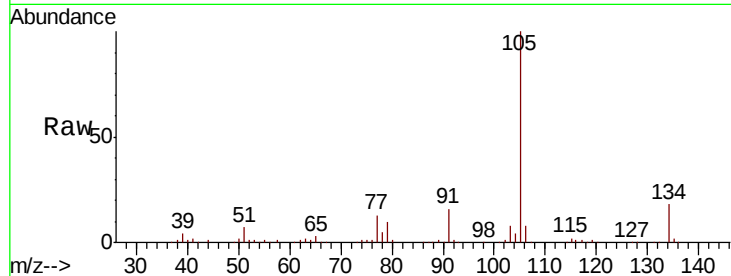
#85
 sec-Butylbenzene
 Concen: 19.635 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	9.2	27.6

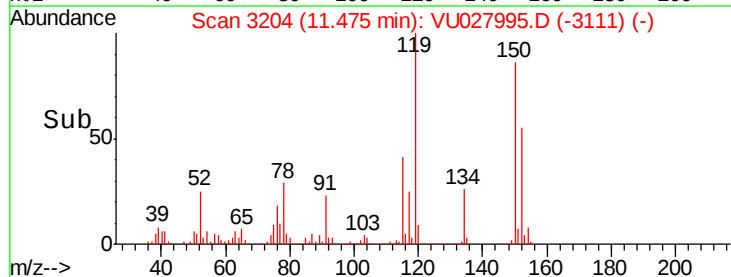
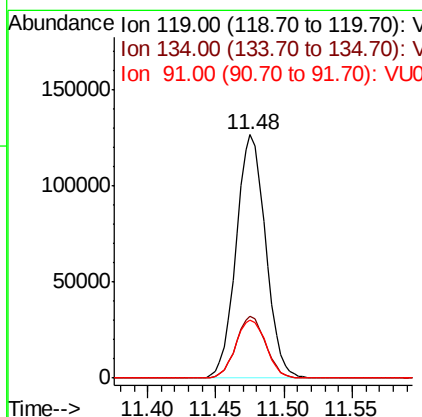
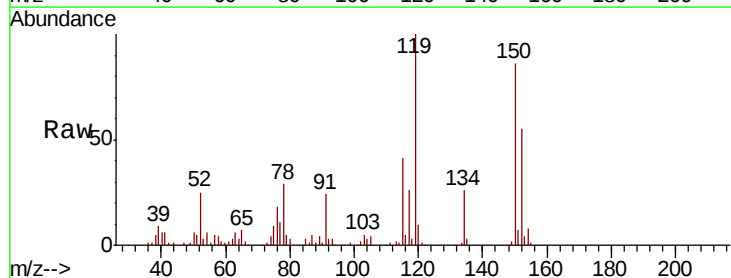
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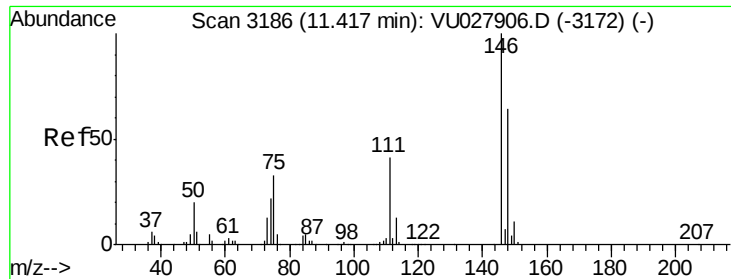
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#86
 p-Isopropyltoluene
 Concen: 19.266 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.7
91	24.8	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 18.964 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Instrument :

MSVOA_U

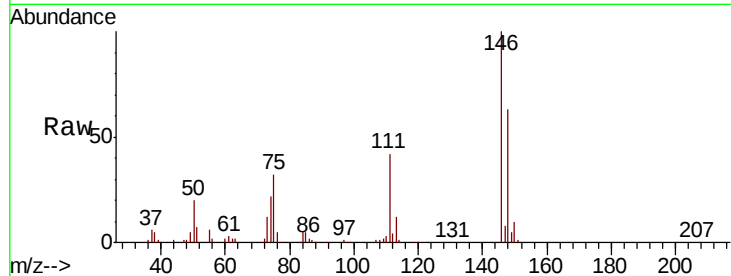
ClientSampleId :

VU1107WBSD01

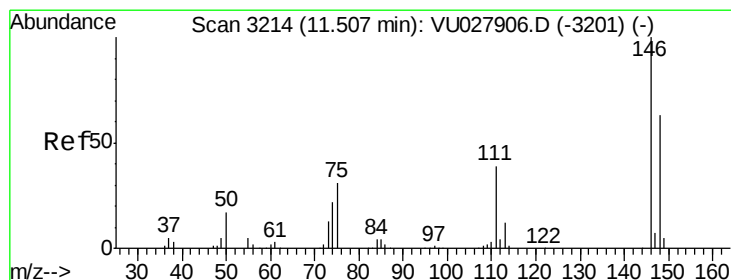
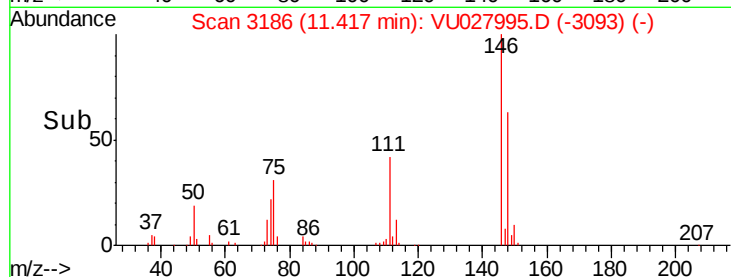
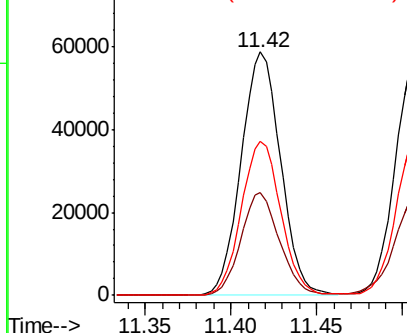
Tot Ion:	146	Resp:	93584
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.3	31.8	95.4

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.654 ug/l

RT: 11.51 min Scan# 3214

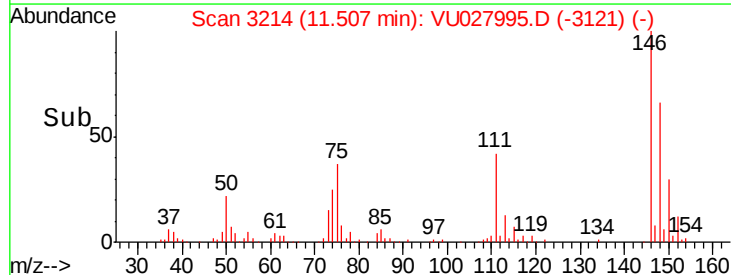
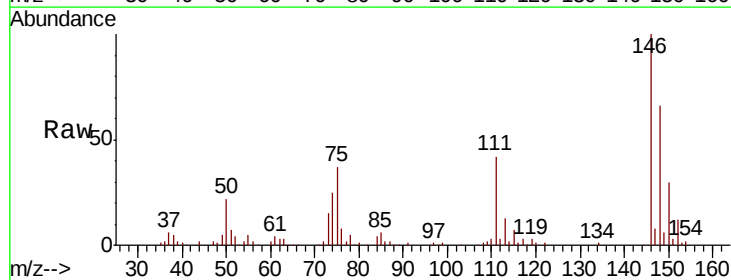
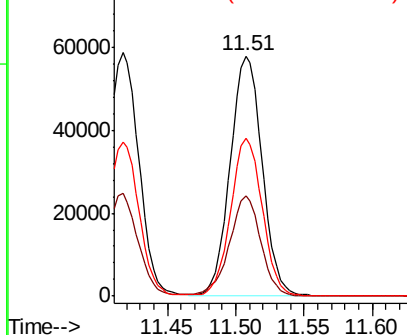
Delta R.T. -0.00 min

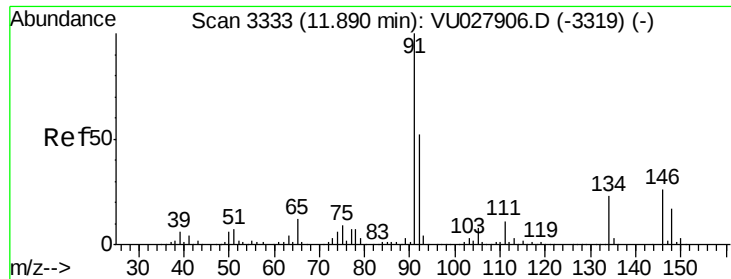
Lab File: VU027995.D

Acq: 07 Nov 2018 11:07

Tgt Ion:	146	Resp:	94354
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.9
148	64.7	32.0	96.2

Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





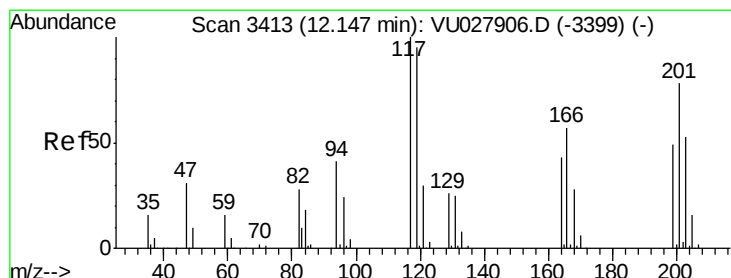
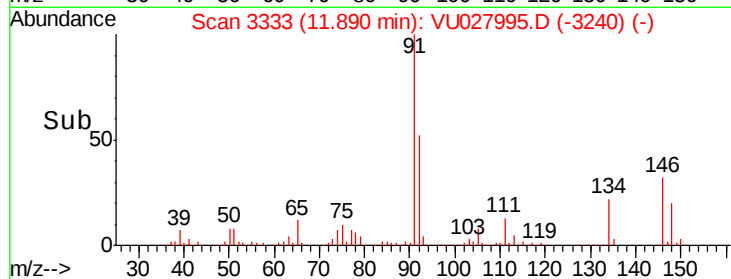
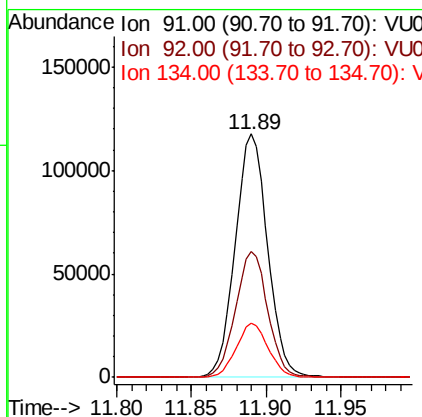
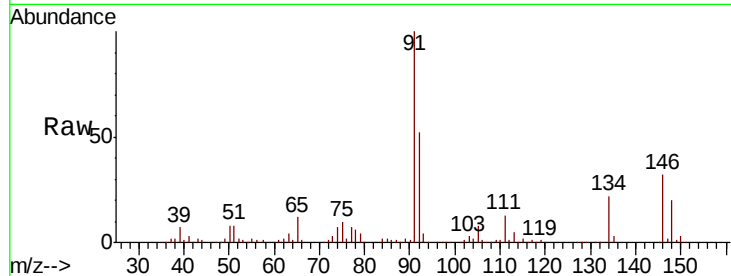
#89
n-Butylbenzene
Concen: 19.043 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	22.1	11.5	34.5

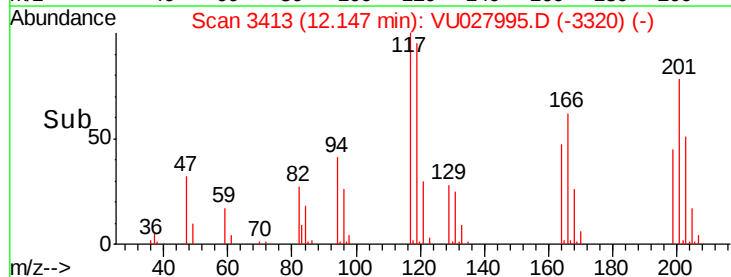
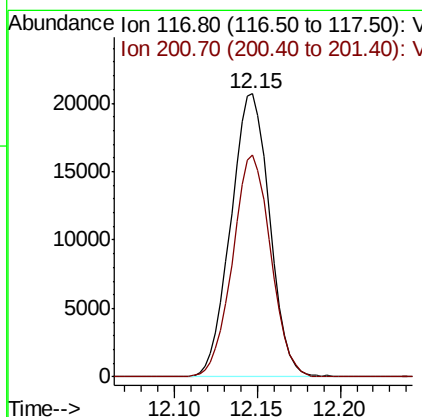
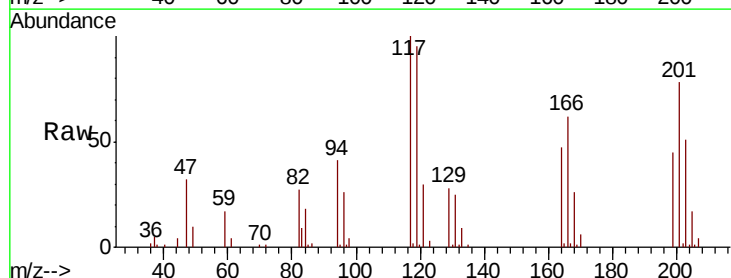
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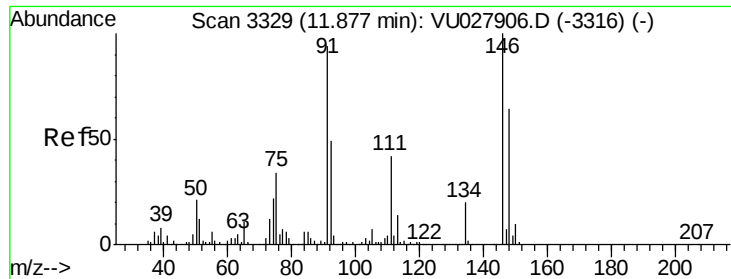
MMDadoda
11/8/2018 9:11:06 AM



#90
Hexachloroethane
Concen: 19.276 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.5	115.5





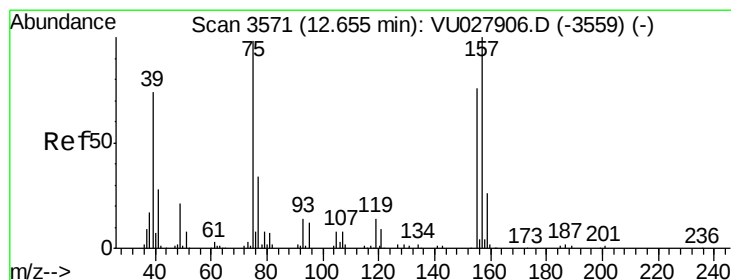
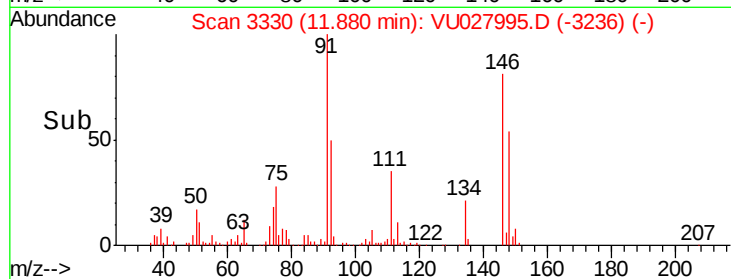
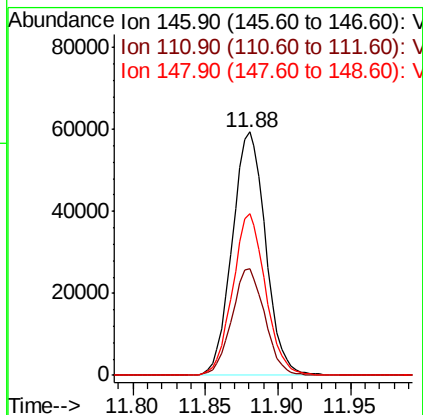
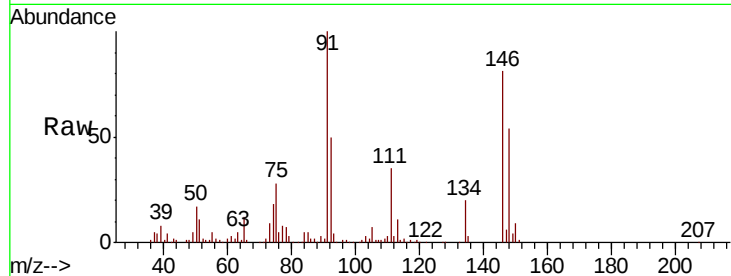
#91
 1,2-Dichlorobenzene
 Concen: 19.175 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	64.0
148	65.0	31.8	95.3

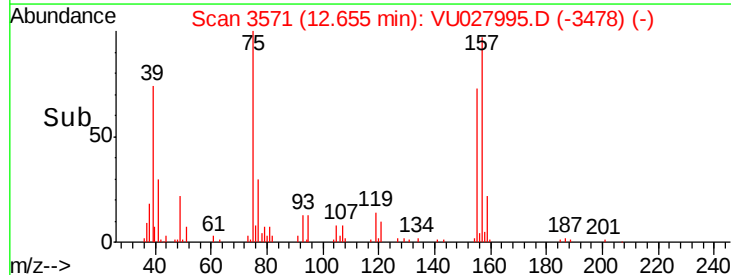
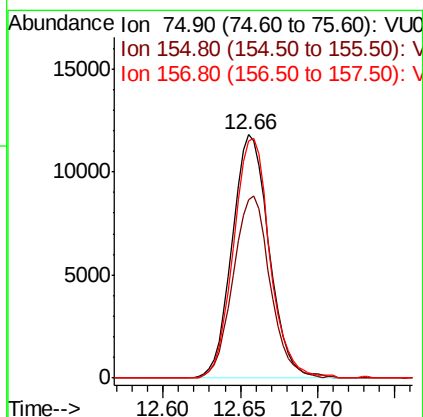
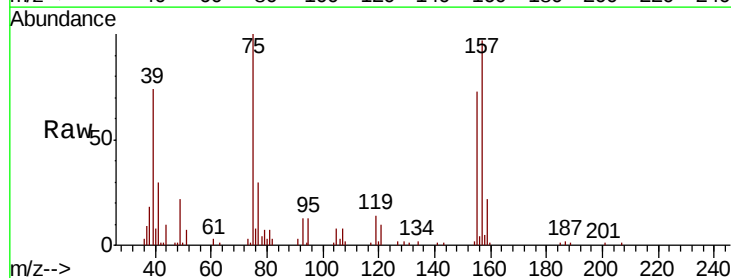
Manual Integrations
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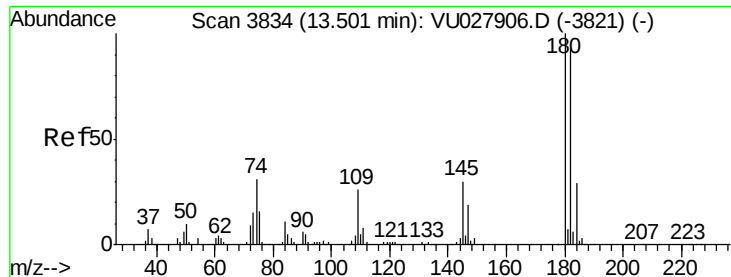
MMDadoda
 11/8/2018 9:11:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.774 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	39.8	119.3
157	97.2	50.6	151.9





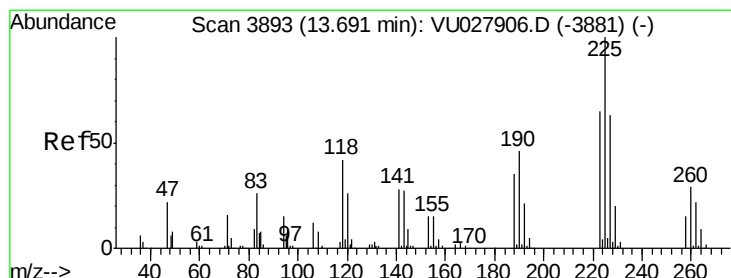
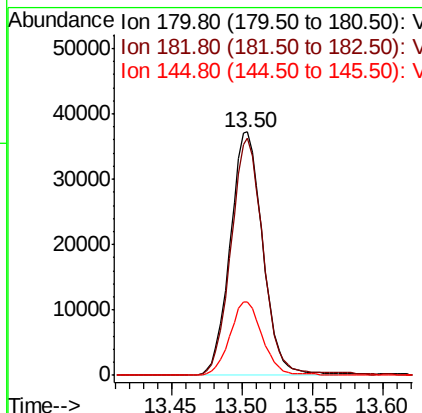
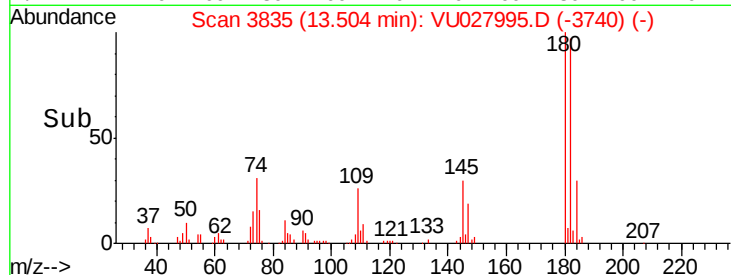
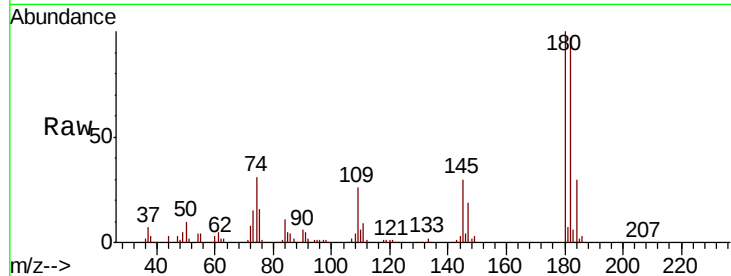
#93
 1,2,4-Trichlorobenzene
 Concen: 17.771 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.4	145.2
145	30.2	14.9	44.5

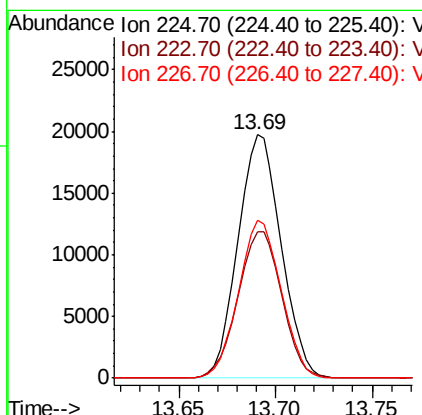
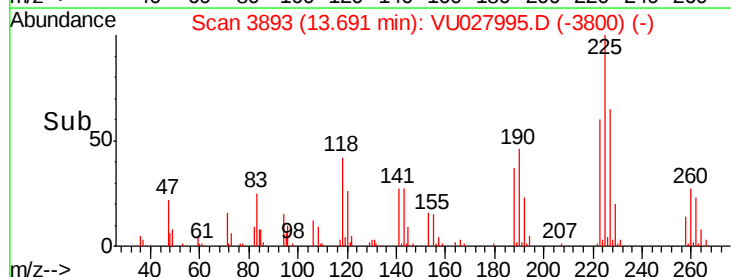
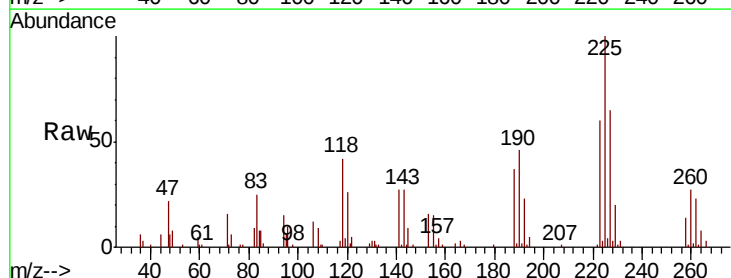
Manual Integrations
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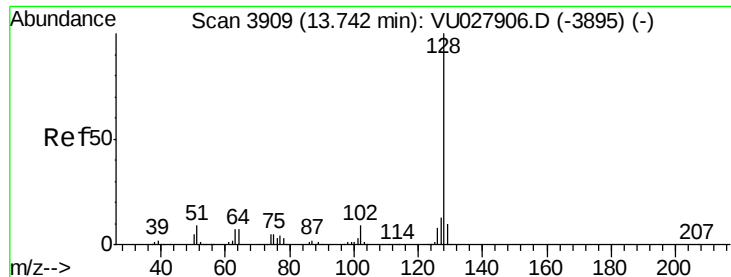
MMDadoda
 11/8/2018 9:11:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.428 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027995.D
 Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.2	96.6
227	63.7	32.5	97.4





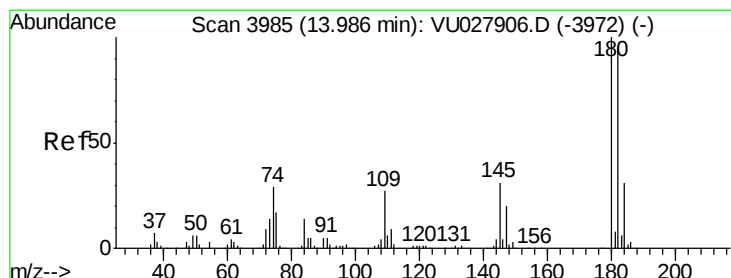
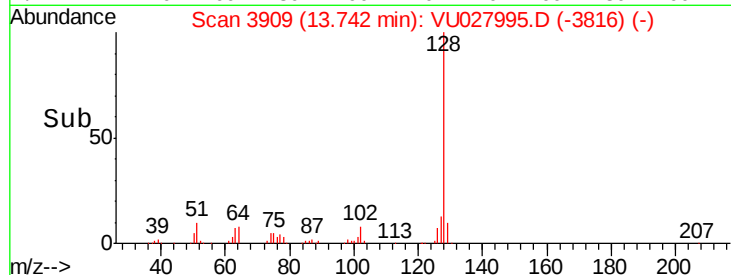
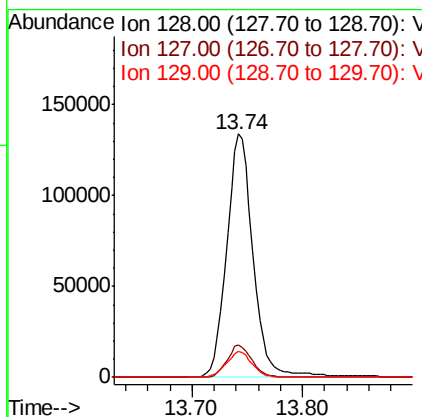
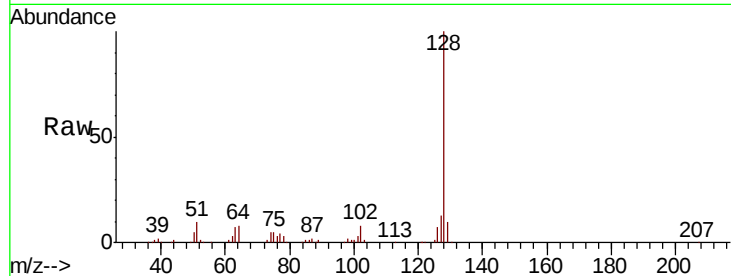
#95
Naphthalene
Concen: 17.863 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.3	8.3	12.5

Manual Integrations
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11/8/2018 9:11:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.196 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027995.D
Acq: 07 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.3
145	32.1	16.0	47.9

