

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027917.D
 Acq On : 02 Nov 2018 11:43
 Operator : MD/SY
 Sample : VU1102WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:47 AM

Quant Time: Nov 03 04:31:43 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	161675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	129058	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	94751	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	7.57	98	346992	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	125575	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	42263	20.572	ug/l	95
3) Chloromethane	1.33	50	51176	20.598	ug/l	98
4) Vinyl Chloride	1.40	62	46674	18.927	ug/l	98
5) Bromomethane	1.62	94	21096	23.143	ug/l	95
6) Chloroethane	1.70	64	27888	19.625	ug/l	97
7) Trichlorofluoromethane	1.88	101	54909	19.269	ug/l	99
8) Diethyl Ether	2.11	74	26761	21.933	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	32732	19.336	ug/l	98
10) Methyl Iodide	2.41	142	20966	19.153	ug/l	98
11) Tert butyl alcohol	2.83	59	69366	109.008	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31147	18.382	ug/l	99
13) Acrolein	2.20	56	23955	98.215	ug/l	100
14) Allyl chloride	2.59	41	80050	19.330	ug/l	98
15) Acrylonitrile	2.94	53	169327	108.327	ug/l	98
16) Acetone	2.32	43	151864	101.830	ug/l	99
17) Carbon Disulfide	2.48	76	105249	19.003	ug/l	100
18) Methyl Acetate	2.62	43	85995	20.962	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	147862	21.639	ug/l	100
20) Methylene Chloride	2.70	84	46413	21.315	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	37937	19.401	ug/l	97
22) Diisopropyl ether	3.58	45	181023	21.173	ug/l	96
23) Vinyl Acetate	3.53	43	810499	110.303	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85231	20.014	ug/l	97
25) 2-Butanone	4.27	43	251698	106.086	ug/l	98
26) 2,2-Dichloropropane	4.23	77	59173	18.515	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	47223	21.535	ug/l	98
28) Bromochloromethane	4.55	49	42518	21.297	ug/l	98
29) Tetrahydrofuran	4.64	42	170967	107.915	ug/l	99
30) Chloroform	4.67	83	79492	20.358	ug/l	98
31) Cyclohexane	5.00	56	82387	18.655	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	61183	19.684	ug/l	100
36) 1,1-Dichloropropene	5.14	75	55094	18.422	ug/l	99
37) Ethyl Acetate	4.39	43	90571	20.669	ug/l	98
38) Carbon Tetrachloride	5.13	117	49123	18.535	ug/l	97

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 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)
39) Methylcyclohexane	6.42	83	67095	18.601	ug/l	98
40) Benzene	5.39	78	182550	19.965	ug/l	98
41) Methacrylonitrile	4.55	41	50161	21.450	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67836	20.872	ug/l	98
43) Isopropyl Acetate	5.55	43	146639	21.360	ug/l	100
44) Trichloroethene	6.19	130	38205	19.438	ug/l	100
45) 1,2-Dichloropropane	6.43	63	54104	20.518	ug/l	97
46) Dibromomethane	6.56	93	32602	21.509	ug/l	98
47) Bromodichloromethane	6.76	83	60559	20.732	ug/l	97
48) Methyl methacrylate	6.63	41	72660	21.598	ug/l	99
49) 1,4-Dioxane	6.61	88	25513	464.820	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	477051	104.050	ug/l	100
52) Toluene	7.64	92	105660	19.656	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69870	19.976	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	75269	20.903	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45556	20.831	ug/l	96
56) Ethyl methacrylate	8.02	69	80304	20.822	ug/l	97
57) 1,3-Dichloropropane	8.24	76	84282	21.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	219751	106.389	ug/l	100
59) 2-Hexanone	8.36	43	372878	105.153	ug/l	99
60) Dibromochloromethane	8.48	129	43764	21.147	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49043	21.105	ug/l	100
64) Tetrachloroethene	8.23	164	32203	18.672	ug/l	95
65) Chlorobenzene	9.12	112	108327	19.278	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	38602	20.112	ug/l	97
67) Ethyl Benzene	9.25	91	196794	19.026	ug/l	100
68) m/p-Xylenes	9.38	106	146159	38.945	ug/l	98
69) o-Xylene	9.78	106	73872	19.493	ug/l	99
70) Styrene	9.79	104	120008	19.819	ug/l	99
71) Bromoform	9.96	173	31742	19.733	ug/l #	97
73) Isopropylbenzene	10.17	105	188054	19.489	ug/l	99
74) N-amyl acetate	10.01	43	123098	21.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	83440	21.438	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	68600m	20.135	ug/l	
77) Bromobenzene	10.45	156	46485	21.009	ug/l	99
78) n-propylbenzene	10.59	91	223577	19.357	ug/l	100
79) 2-Chlorotoluene	10.66	91	136241	19.679	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	157088	19.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	25572m	18.905	ug/l	
82) 4-Chlorotoluene	10.77	91	151118	19.227	ug/l	98
83) tert-Butylbenzene	11.10	119	152922	19.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	161293	20.039	ug/l	99
85) sec-Butylbenzene	11.32	105	186714	19.213	ug/l	99
86) p-Isopropyltoluene	11.48	119	157387	19.372	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	81018	19.822	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	80233	19.152	ug/l	98
89) n-Butylbenzene	11.89	91	143866	18.633	ug/l	99
90) Hexachloroethane	12.15	117	26786	18.519	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	83018	20.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18241	22.241	ug/l	93

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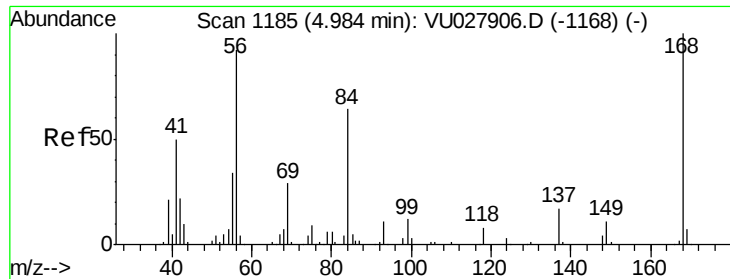
Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:29:47 AM

Quant Time: Nov 03 04:31:43 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	52399	18.613	ug/l	97
94) Hexachlorobutadiene	13.69	225	25220	19.306	ug/l	96
95) Naphthalene	13.74	128	206272	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	57340	20.790	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion:168 Resp: 161675

Ion Ratio Lower Upper

168 100

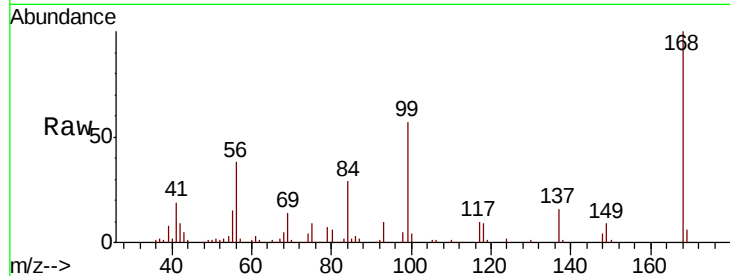
99 57.0 47.9 71.9

Manual Integrations

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11/5/2018 11:29:47 AM



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

80000

60000

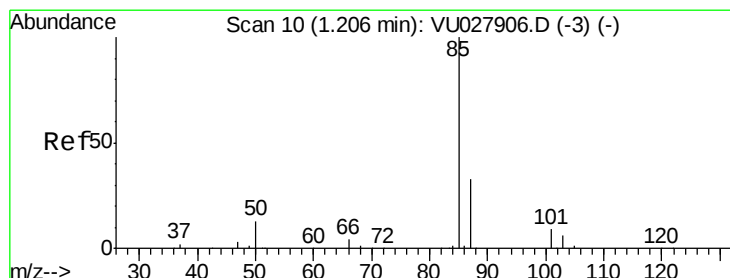
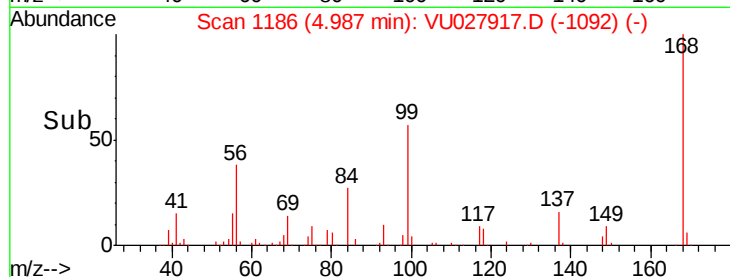
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.572 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027917.D

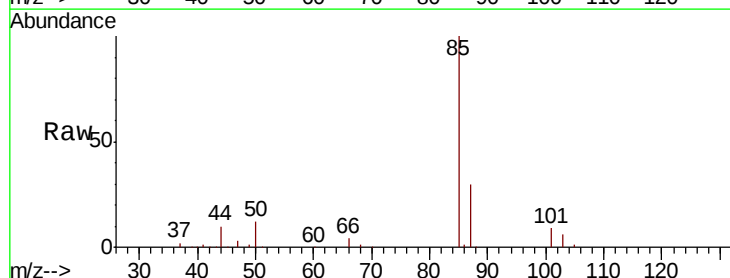
Acq: 02 Nov 2018 11:43

Tgt Ion: 85 Resp: 42263

Ion Ratio Lower Upper

85 100

87 30.4 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

50000

40000

30000

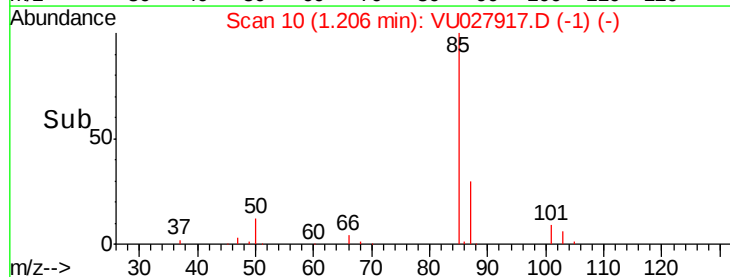
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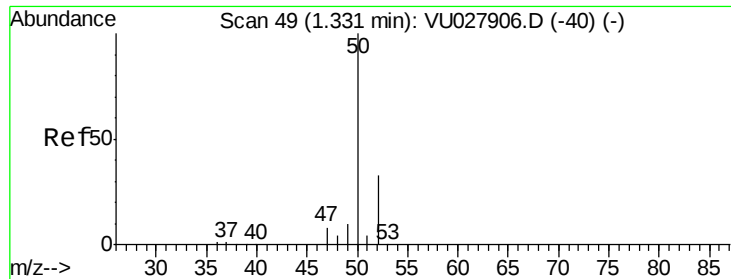
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.598 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 50 Resp: 51176

Ion Ratio Lower Upper

50 100

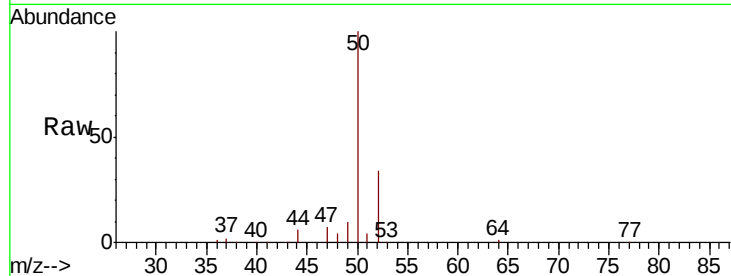
52 33.9 26.2 39.4

Manual Integrations

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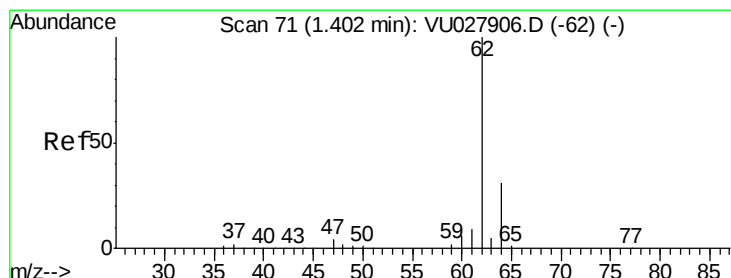
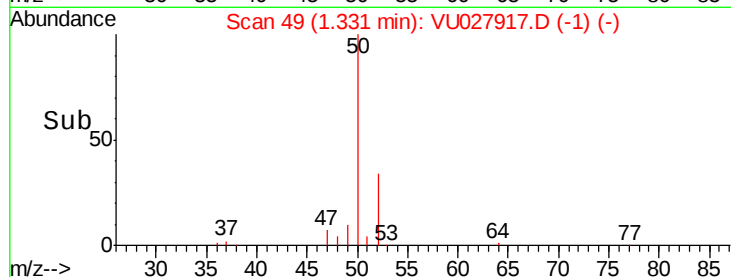
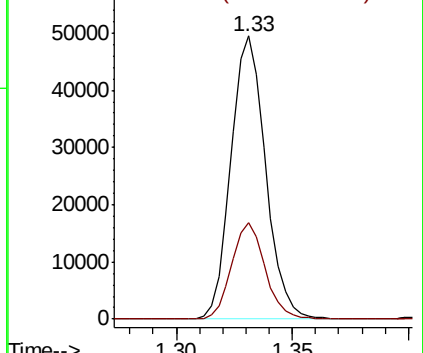
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.927 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027917.D

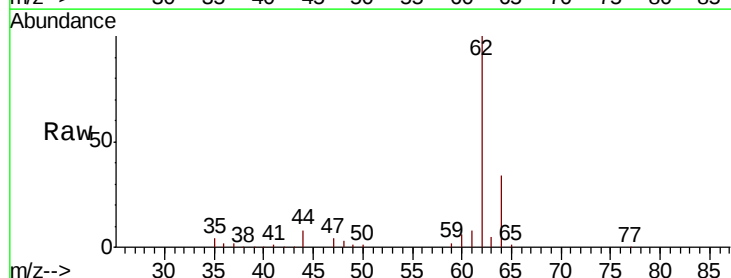
Acq: 02 Nov 2018 11:43

Tgt Ion: 62 Resp: 46674

Ion Ratio Lower Upper

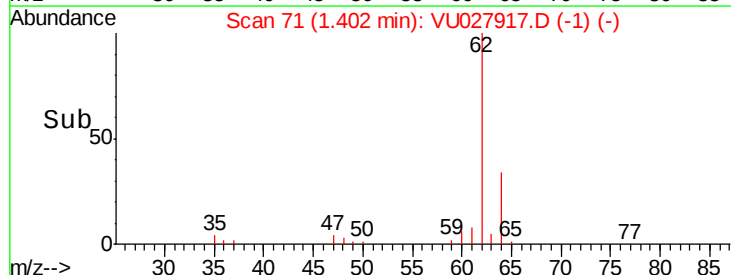
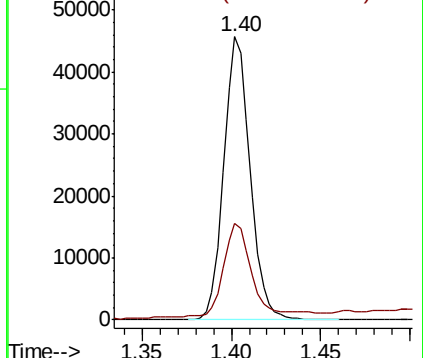
62 100

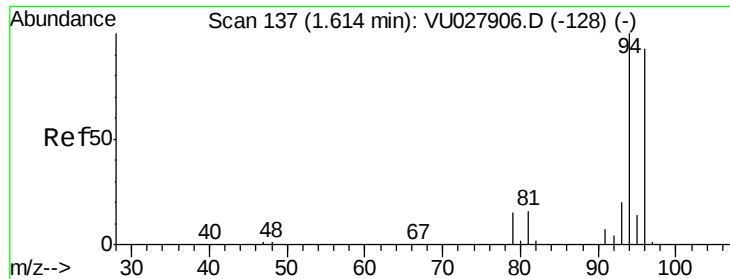
64 32.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.143 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 94 Resp: 21096

Ion Ratio Lower Upper

94 100

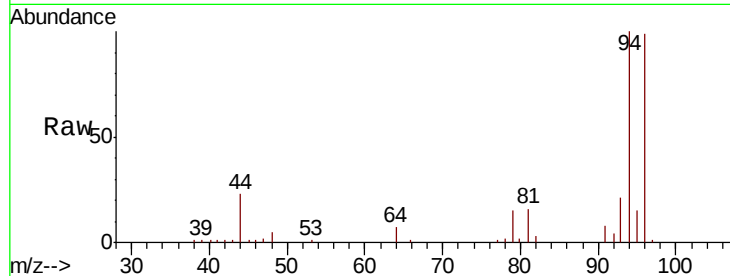
96 98.6 74.8 112.2

Manual Integrations

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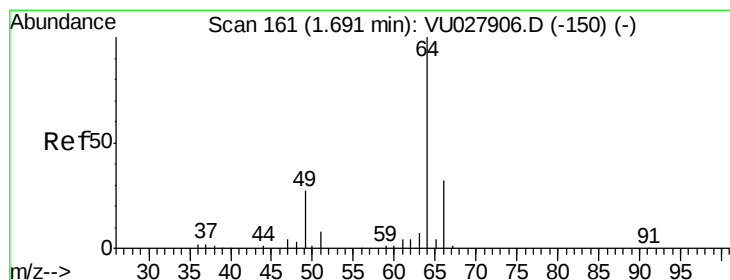
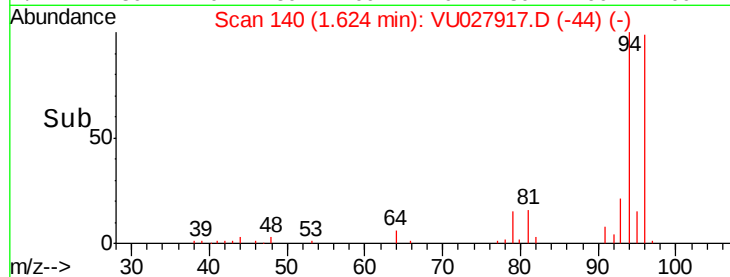
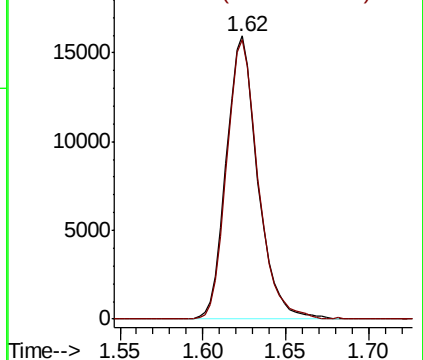
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.625 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027917.D

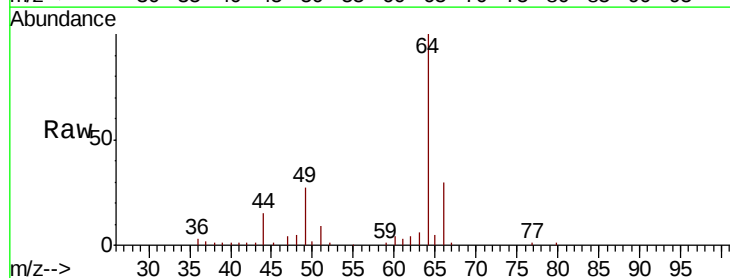
Acq: 02 Nov 2018 11:43

Tgt Ion: 64 Resp: 27888

Ion Ratio Lower Upper

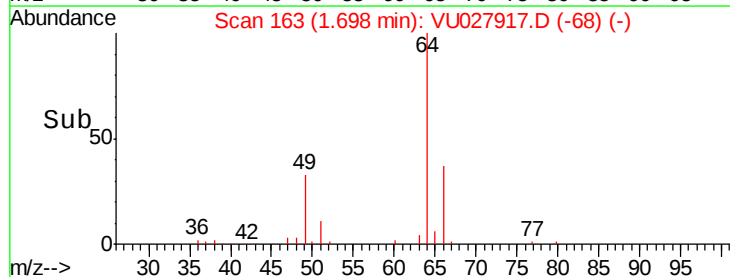
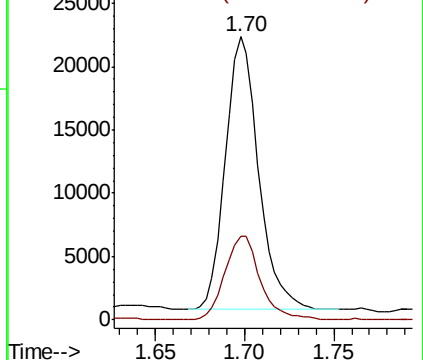
64 100

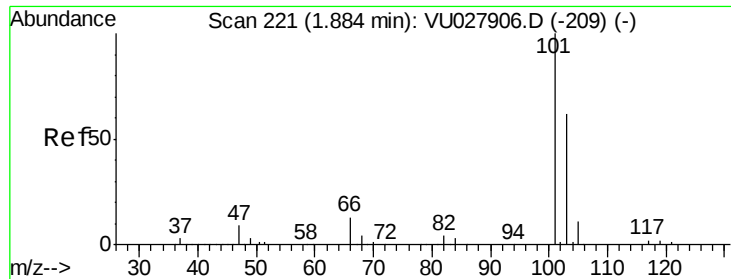
66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

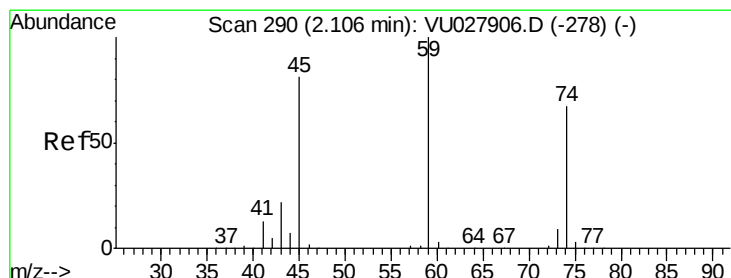
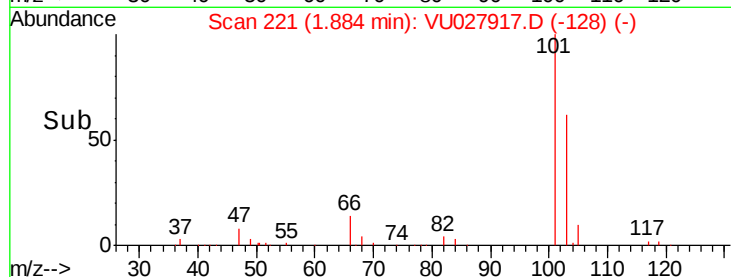
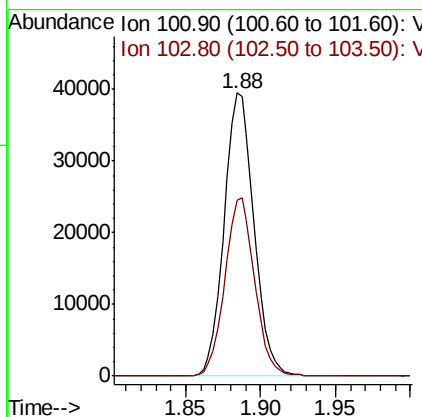
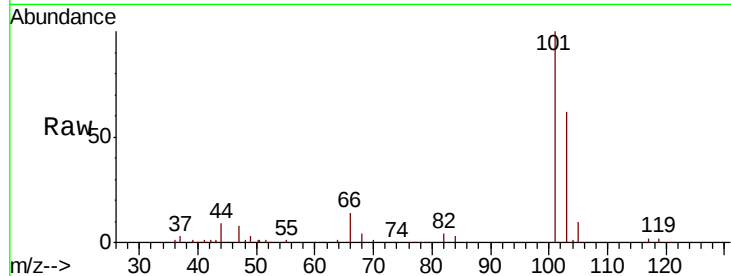
Trichlorofluoromethane
 Concen: 19.269 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
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 VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	49.4	74.2

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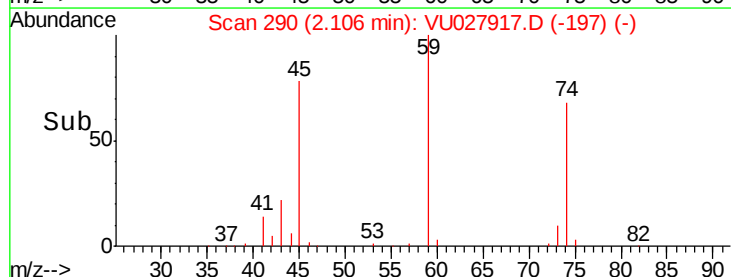
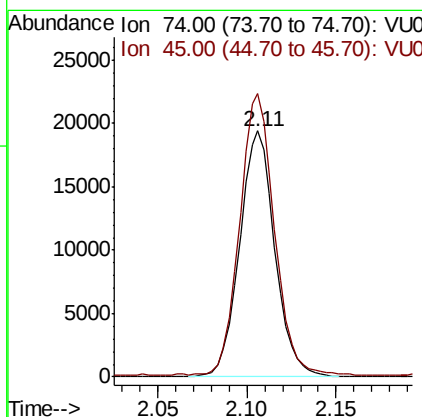
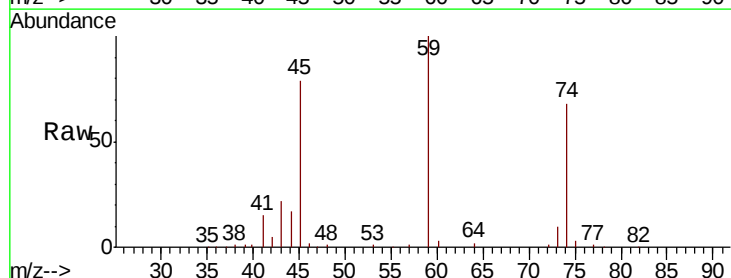
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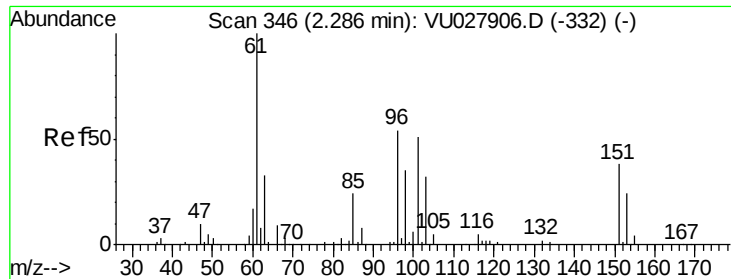


#8

Diethyl Ether
 Concen: 21.933 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.336 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

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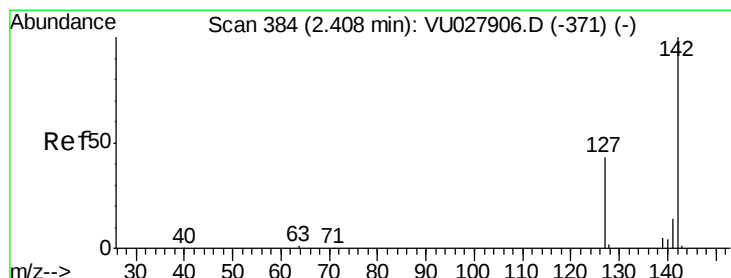
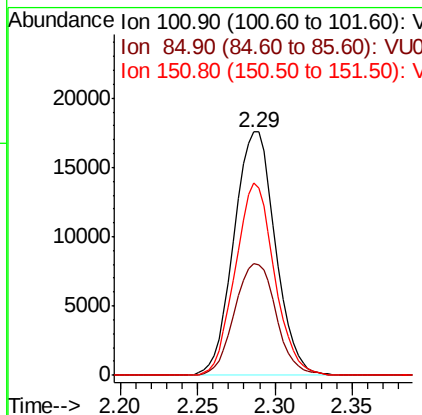
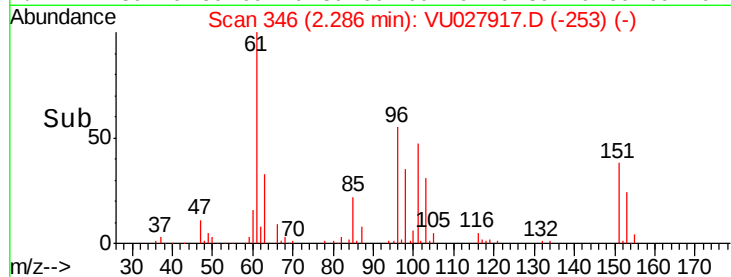
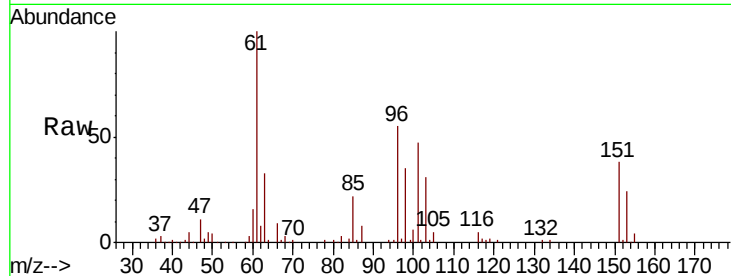
ClientSampleId :

VU1102WBSD01

Tot Ion:	101	Resp:	32732
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	74.6	58.0	87.0

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#10

Methyl Iodide

Concen: 19.153 ug/l

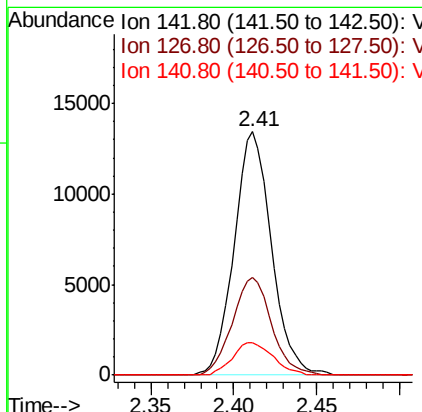
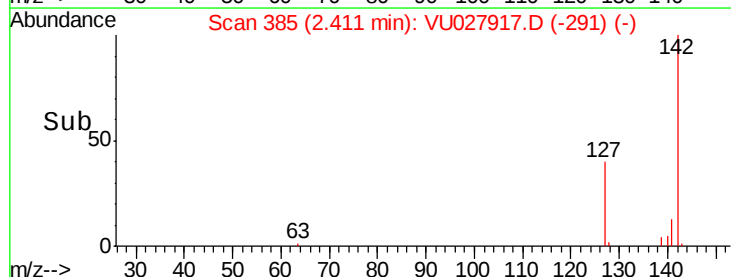
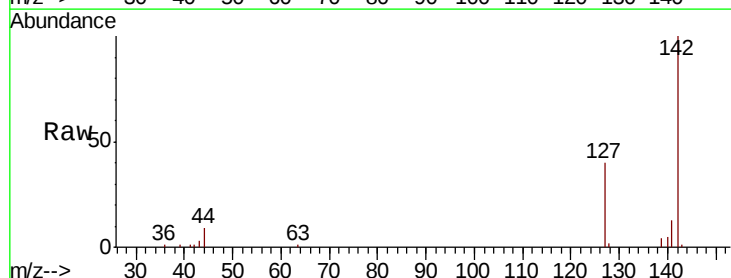
RT: 2.41 min Scan# 385

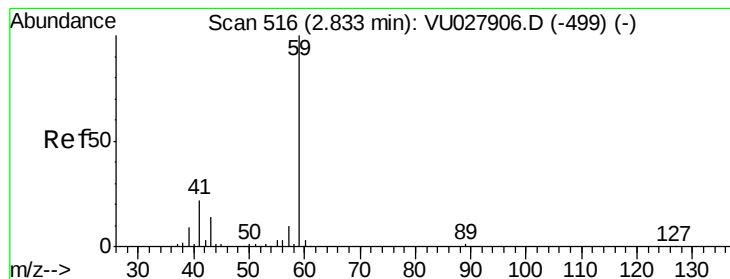
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	142	Resp:	20966
Ion Ratio	Lower	Upper	
142	100		
127	42.1	35.2	52.8
141	14.4	11.8	17.8





#11

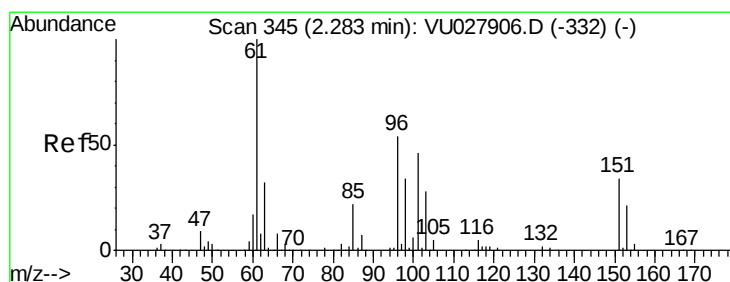
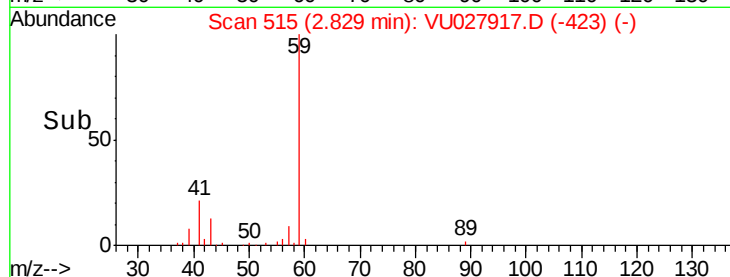
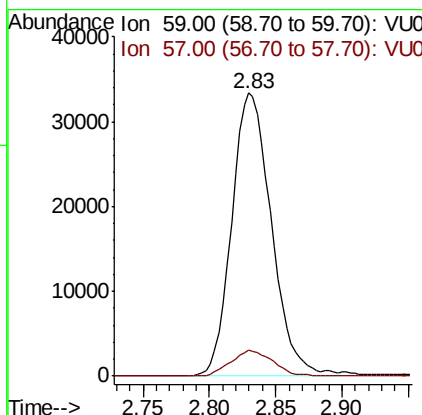
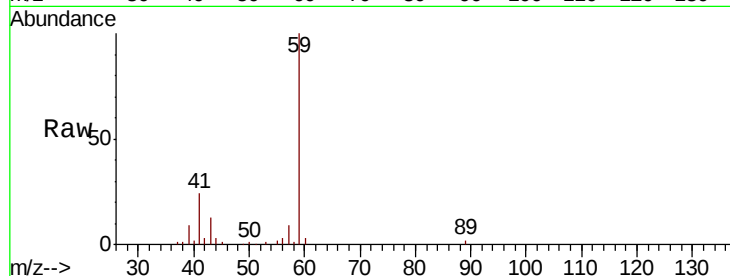
Tert butyl alcohol
 Concen: 109.008 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.8

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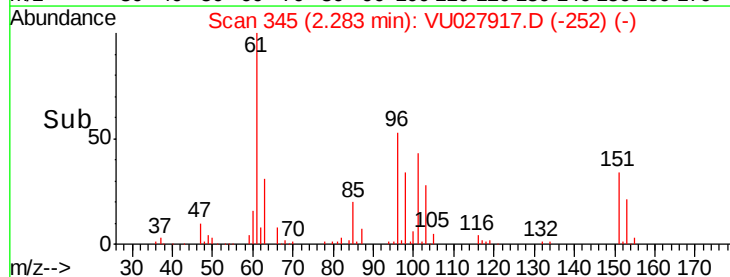
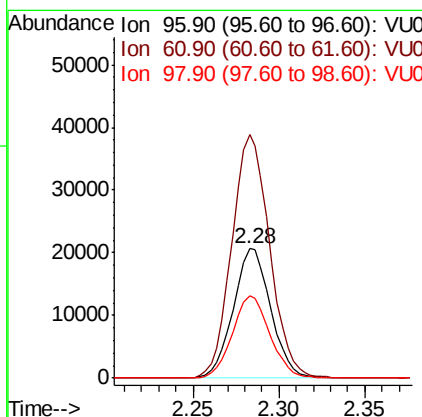
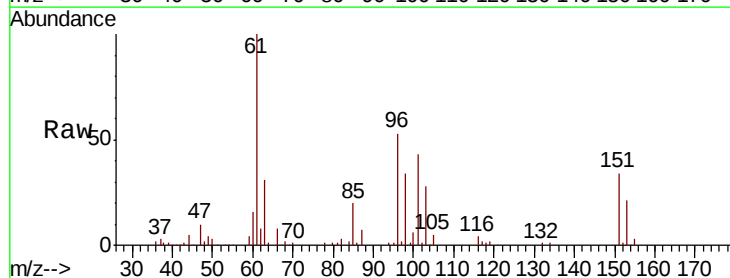
MMDadoda
 11/5/2018 11:29:47 AM

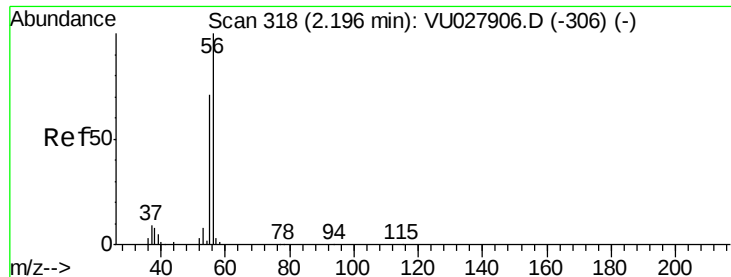


#12

1,1-Dichloroethene
 Concen: 18.382 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.0	149.3	223.9
98	63.7	50.6	75.8





#13

Acrolein

Concen: 98.215 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 56 Resp: 23955

Ion Ratio Lower Upper

56 100

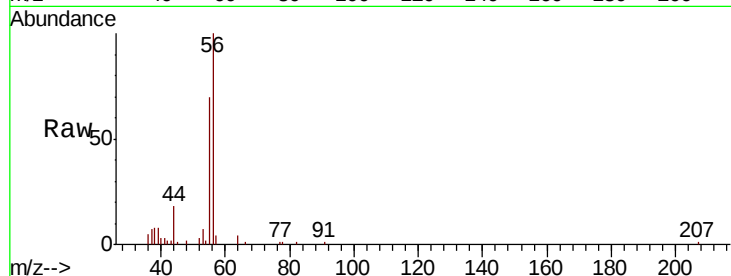
55 70.6 56.2 84.4

Manual Integrations

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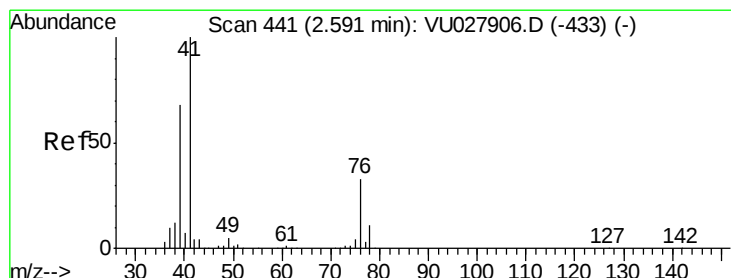
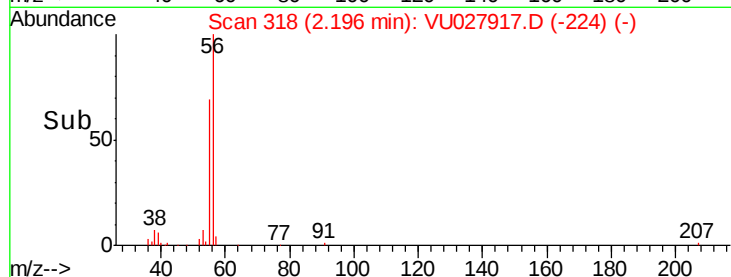
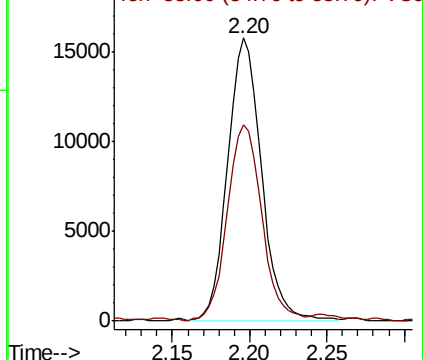
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.330 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

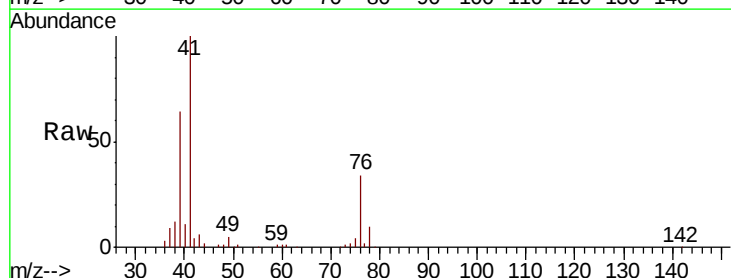
Tgt Ion: 41 Resp: 80050

Ion Ratio Lower Upper

41 100

39 64.0 51.9 77.9

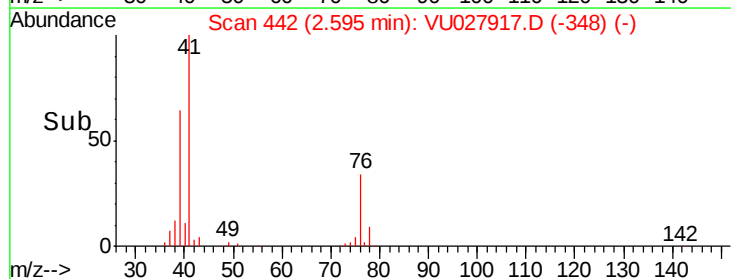
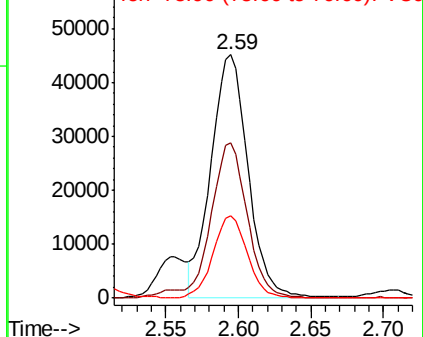
76 31.5 23.8 35.6

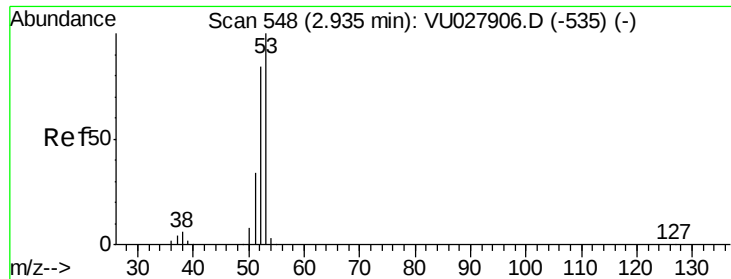


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 108.327 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

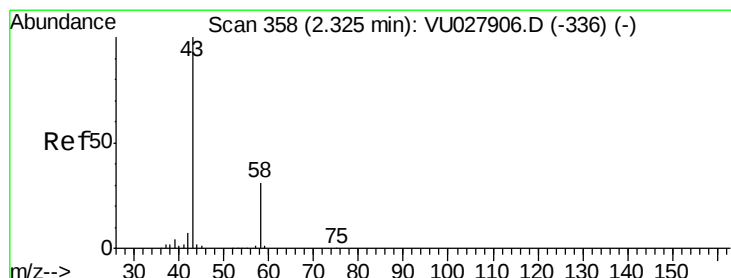
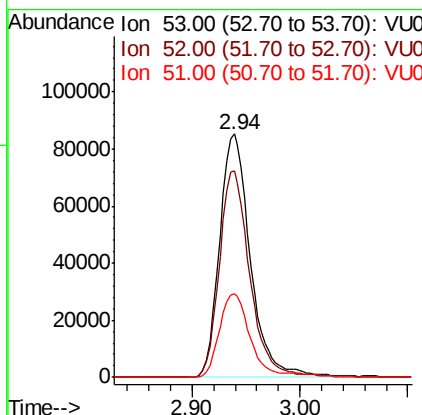
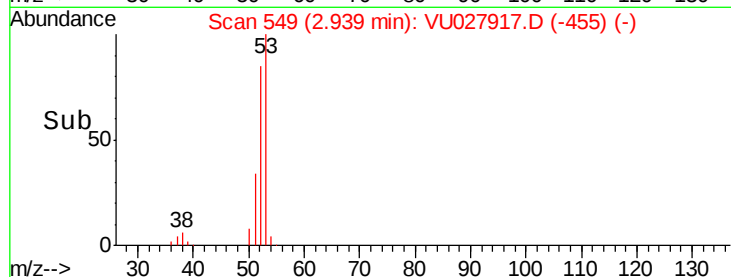
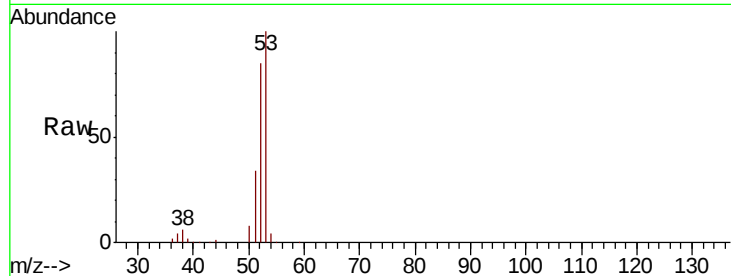
ClientSampleId :

VU1102WBSD01

Tot Ion:	53	Resp:	169327
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.2	99.2
51	35.2	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 101.830 ug/l

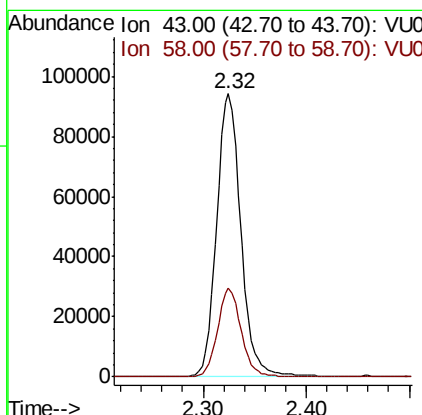
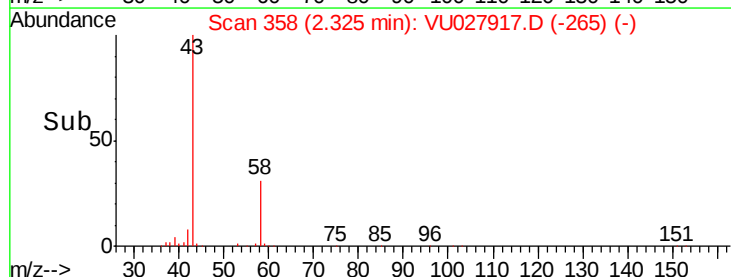
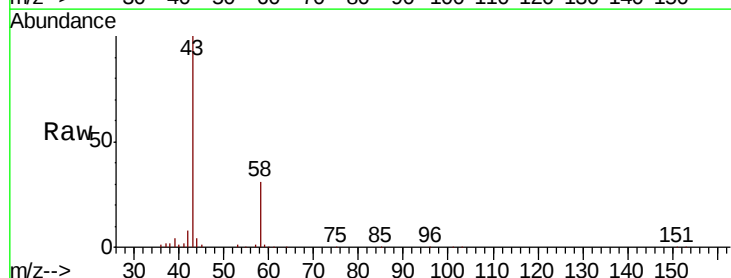
RT: 2.32 min Scan# 358

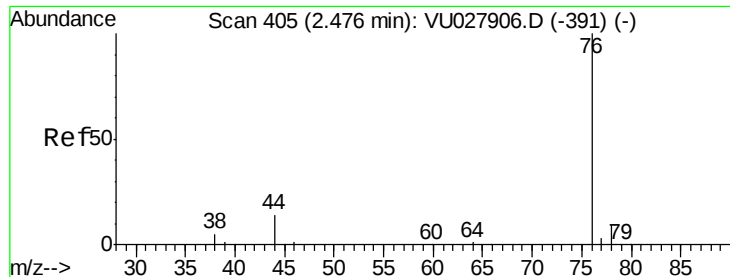
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	43	Resp:	151864
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.6	37.0





#17

Carbon Disulfide

Concen: 19.003 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 76 Resp: 105249

Ion Ratio Lower Upper

76 100

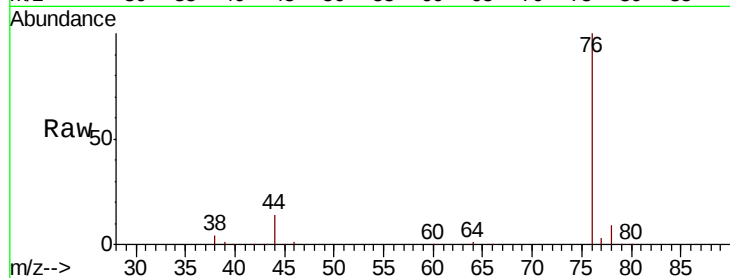
78 9.1 7.4 11.0

Manual Integrations

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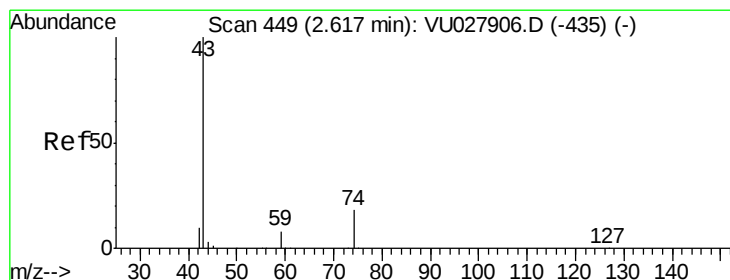
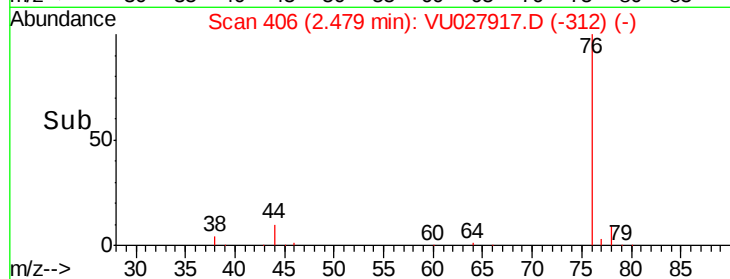
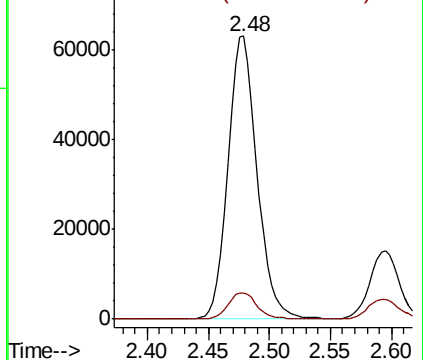
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.962 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027917.D

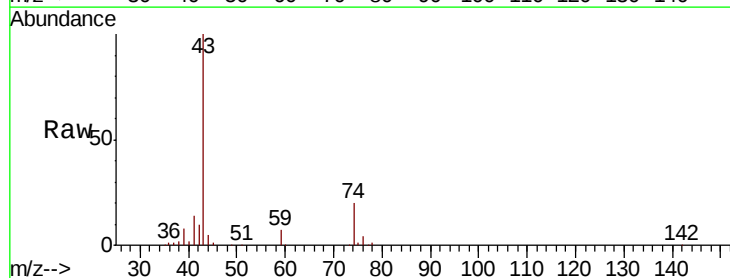
Acq: 02 Nov 2018 11:43

Tgt Ion: 43 Resp: 85995

Ion Ratio Lower Upper

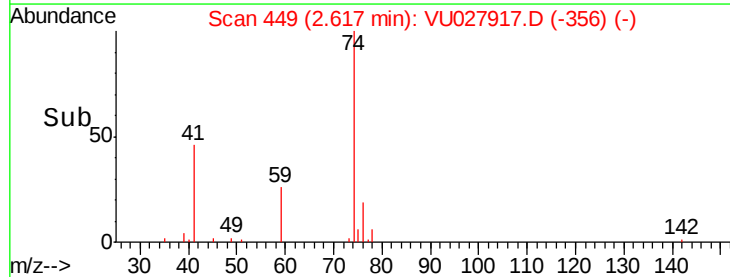
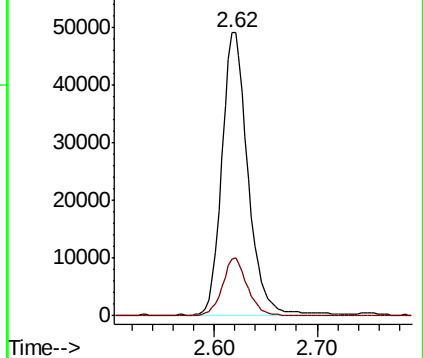
43 100

74 19.6 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





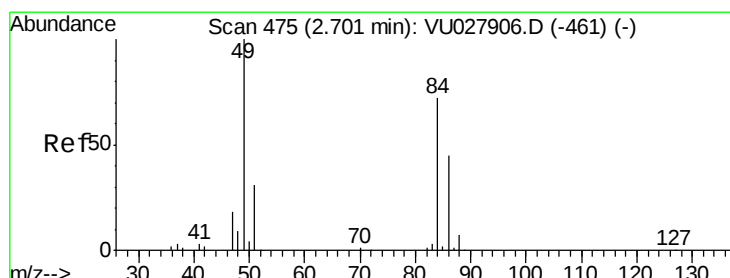
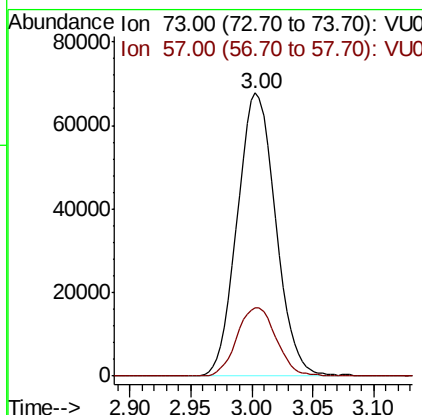
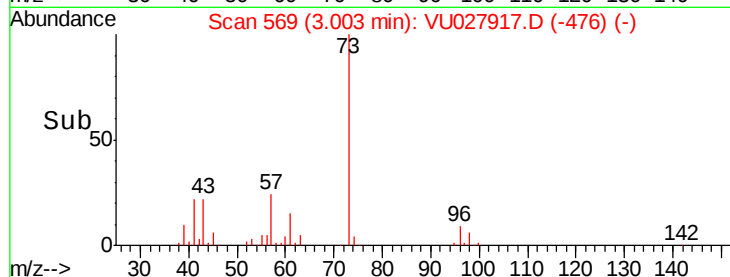
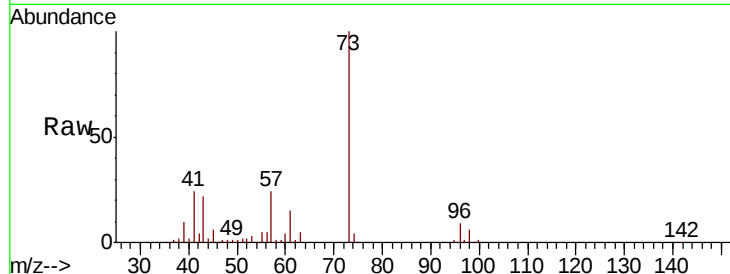
#19
Methyl tert-butyl Ether
Concen: 21.639 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

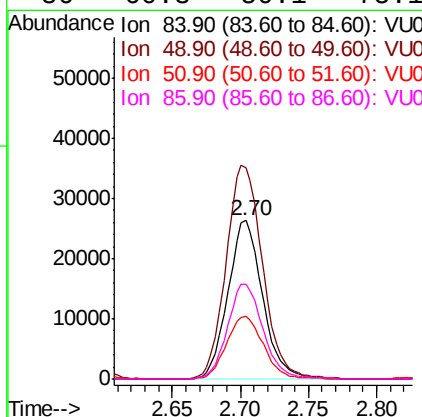
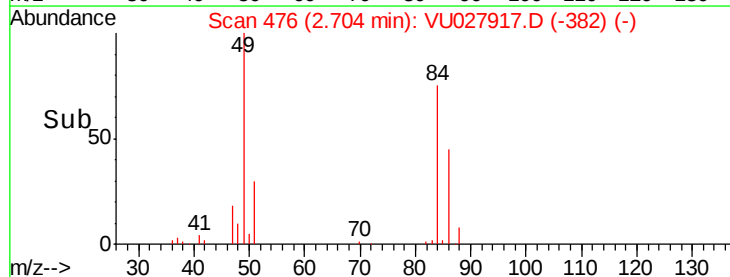
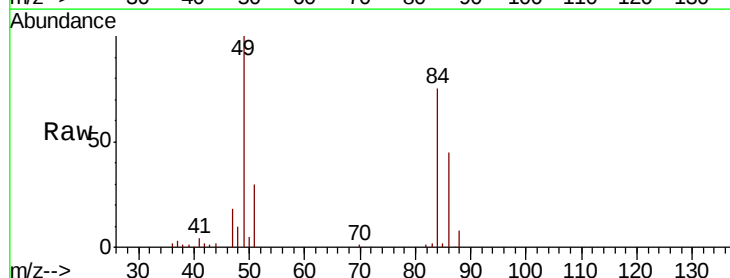
Manual Integrations
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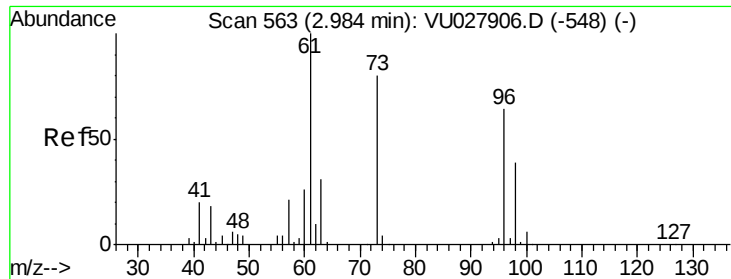
MMDadoda
11/5/2018 11:29:47 AM



#20
Methylene Chloride
Concen: 21.315 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	111.6	167.4
51	39.5	34.8	52.2
86	60.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 19.401 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

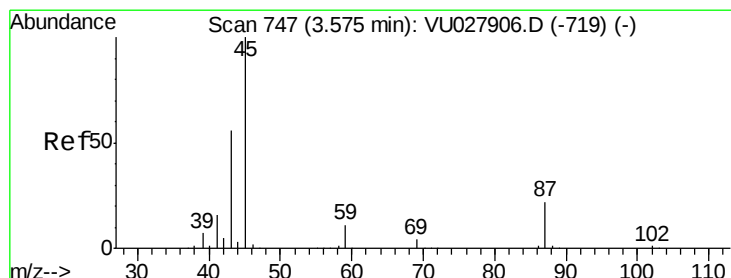
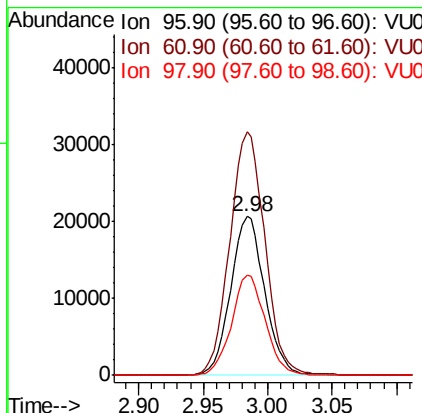
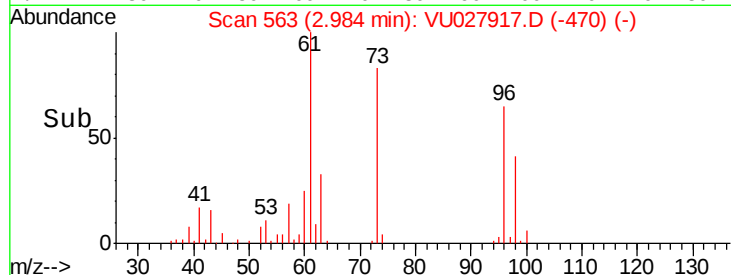
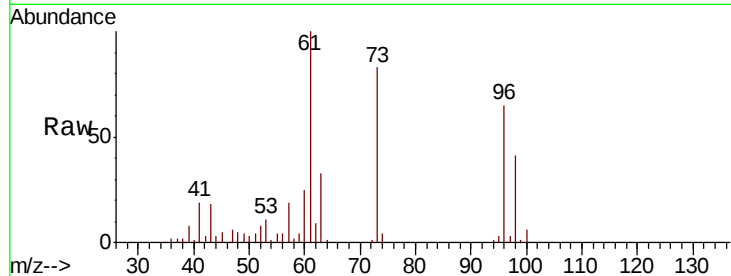
ClientSampleId :

VU1102WBSD01

Tot Ion:	96	Resp:	37937
Ion	Ratio	Lower	Upper
96	100		
61	153.3	125.0	187.6
98	63.5	48.2	72.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.173 ug/l

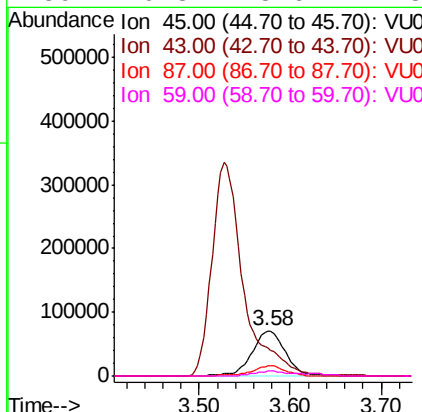
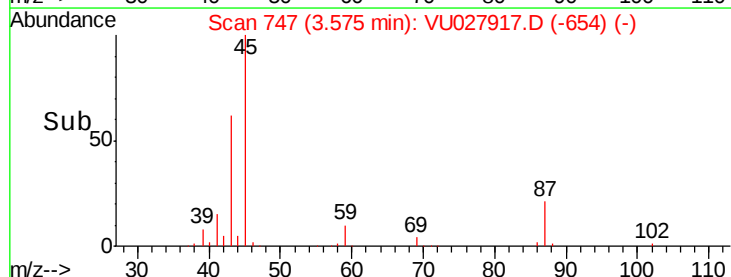
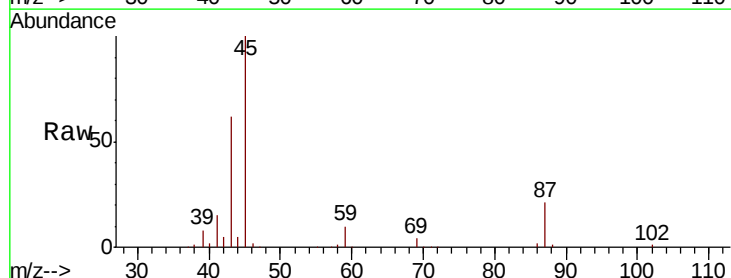
RT: 3.58 min Scan# 747

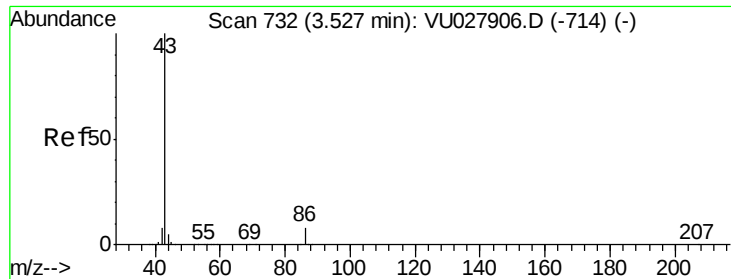
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	45	Resp:	181023
Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.0	67.6
87	21.4	17.9	26.9
59	10.3	8.6	12.8





#23

Vinyl Acetate

Concen: 110.303 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 43 Resp: 810499

Ion Ratio Lower Upper

43 100

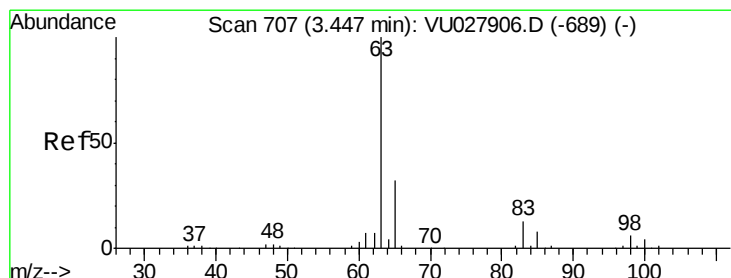
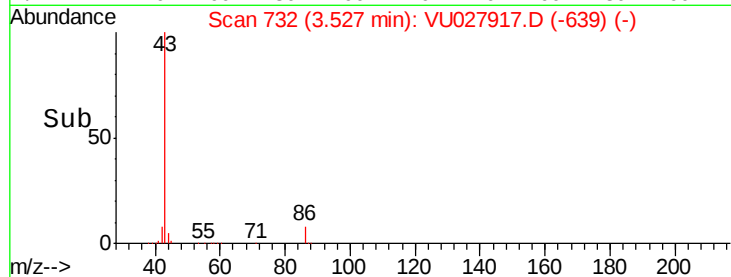
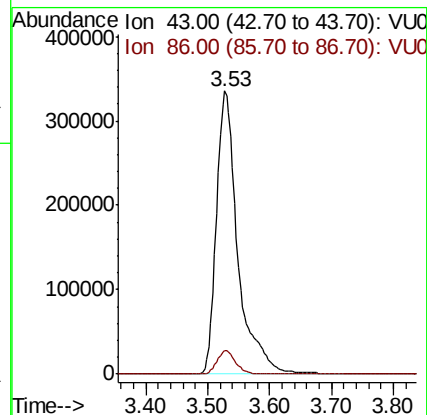
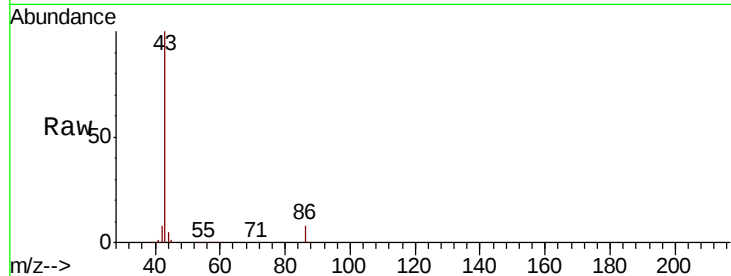
86 8.3 6.6 9.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.014 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

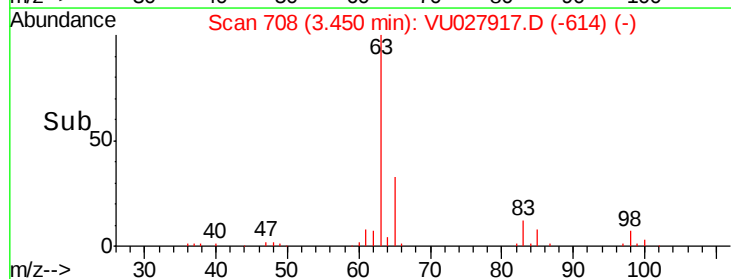
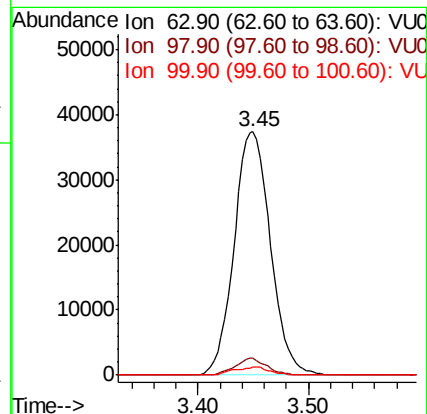
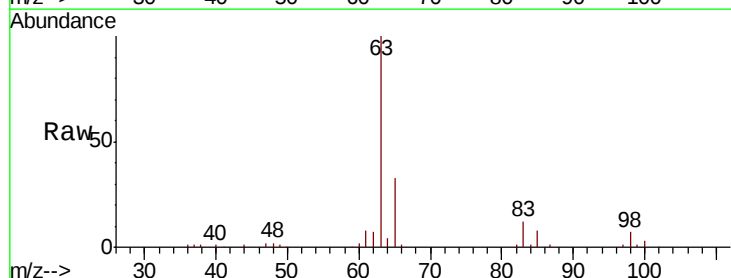
Tgt Ion: 63 Resp: 85231

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.6

100 3.2 2.0 6.0





#25

2-Butanone

Concen: 106.086 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 43 Resp: 251698

Ion Ratio Lower Upper

43 100

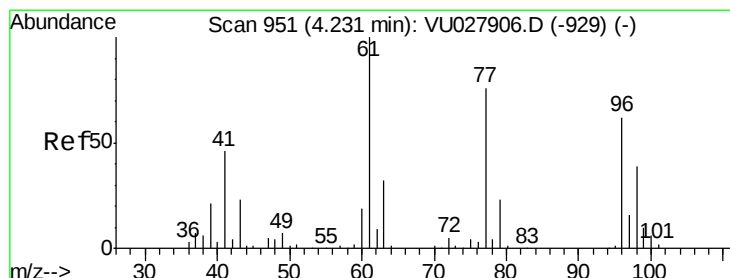
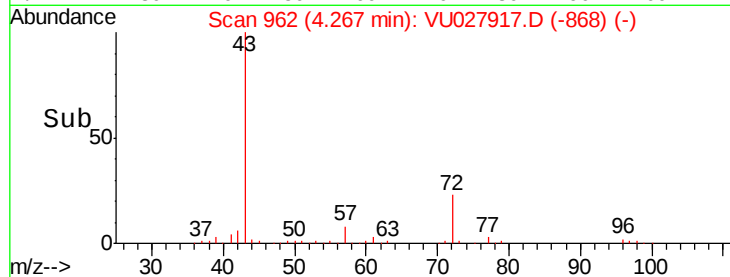
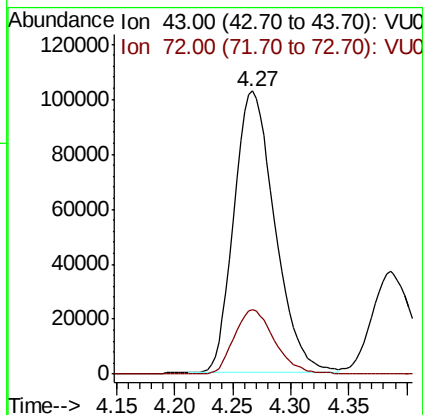
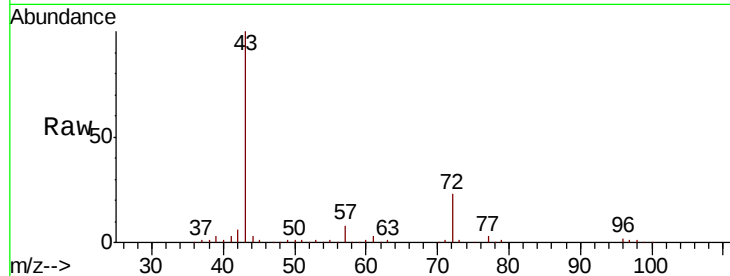
72 22.9 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/5/2018 11:29:47 AM



#26

2,2-Dichloropropane

Concen: 18.515 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027917.D

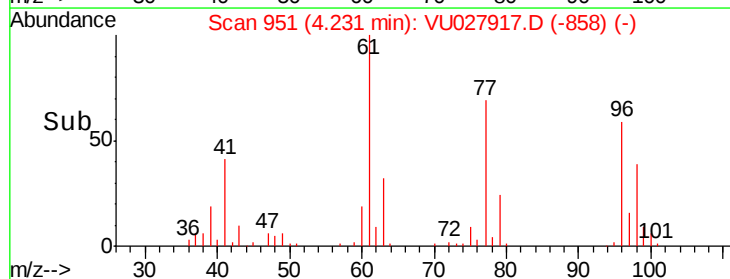
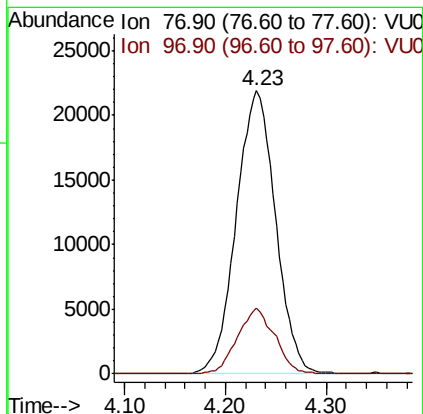
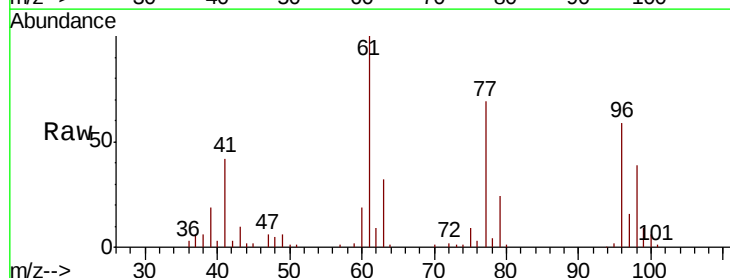
Acq: 02 Nov 2018 11:43

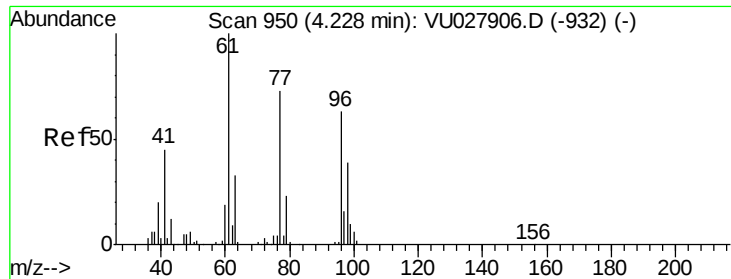
Tgt Ion: 77 Resp: 59173

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5





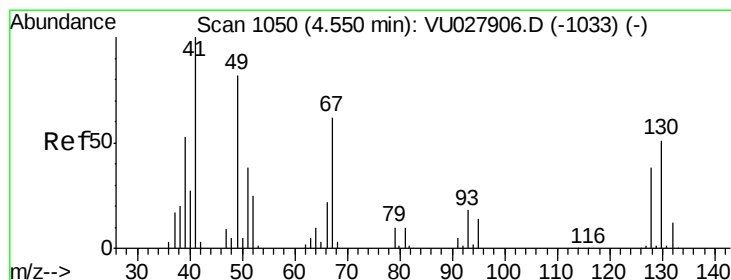
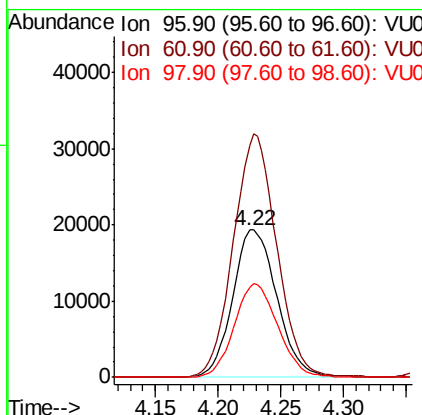
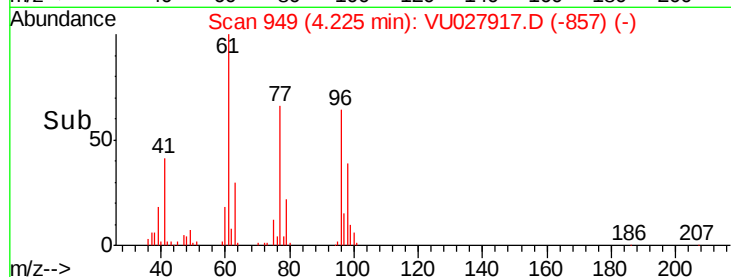
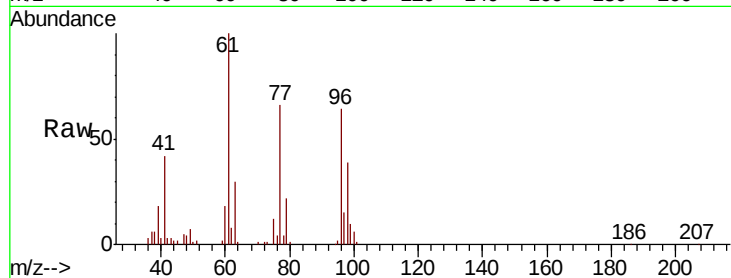
#27
 cis-1,2-Dichloroethene
 Concen: 21.535 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	329.6
98	62.8	0.0	127.2

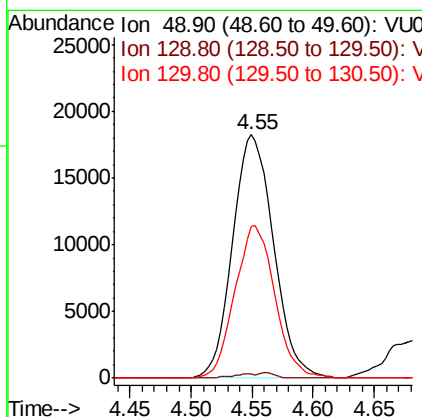
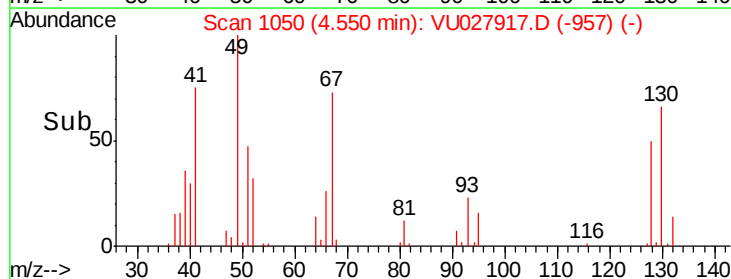
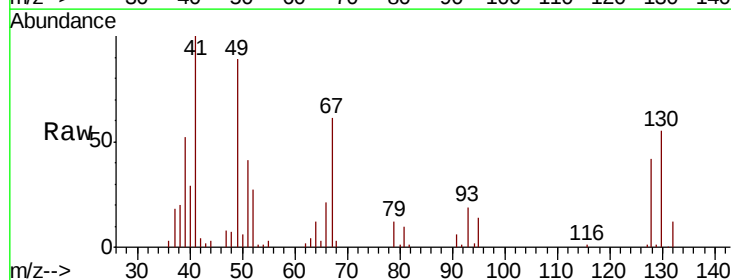
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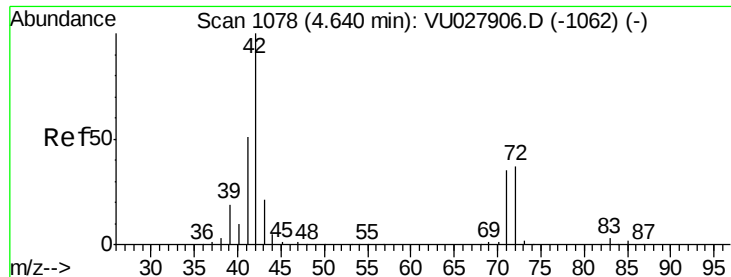
MMDadoda
 11/5/2018 11:29:47 AM



#28
 Bromochloromethane
 Concen: 21.297 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	60.9	47.8	71.6





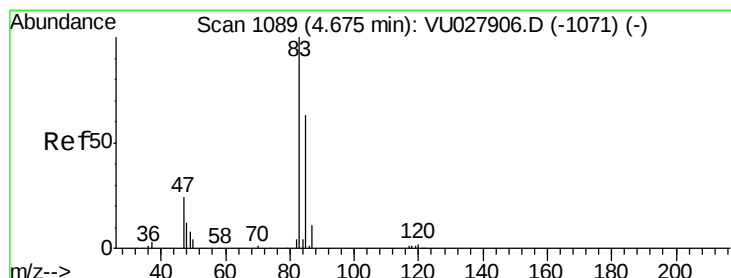
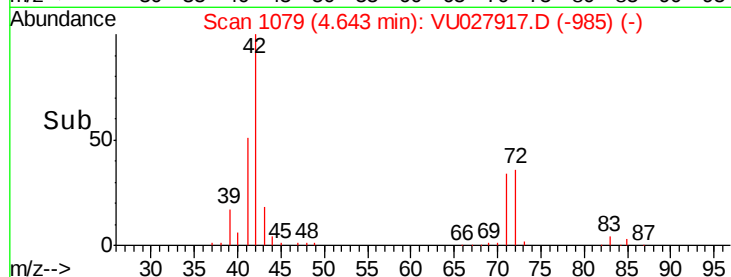
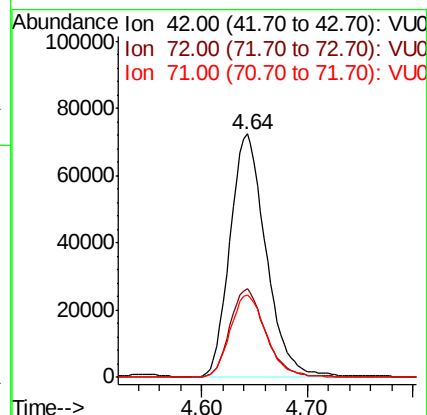
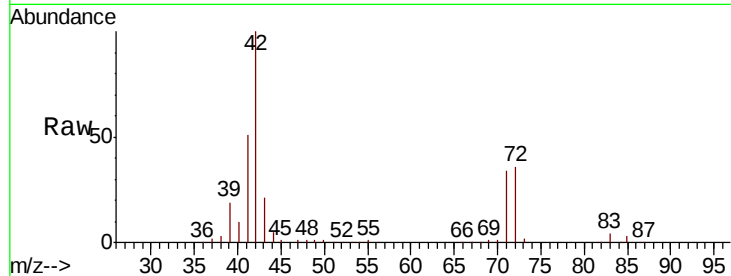
#29
Tetrahydrofuran
Concen: 107.915 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	34.2	27.9	41.9

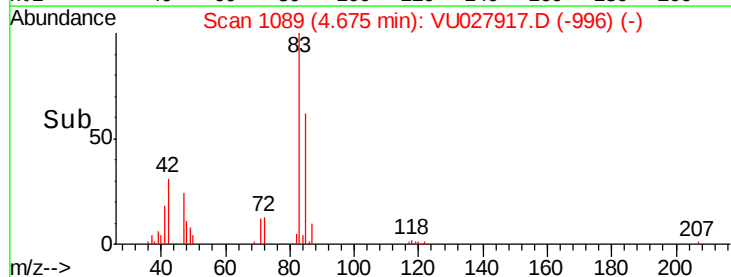
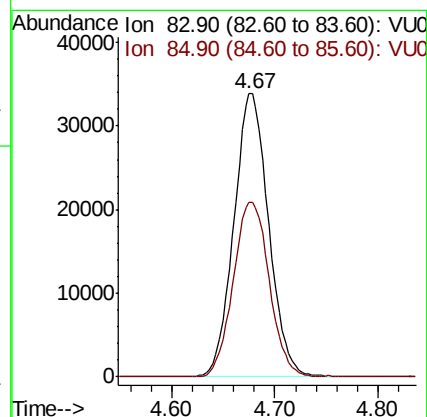
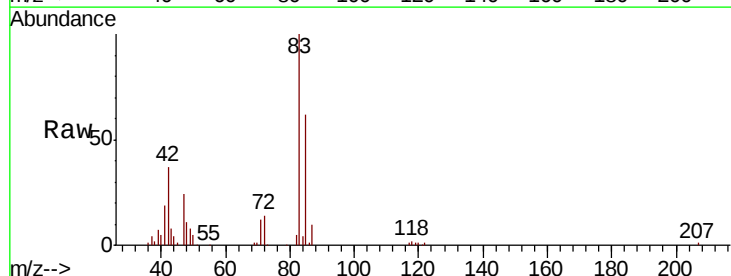
Manual Integrations
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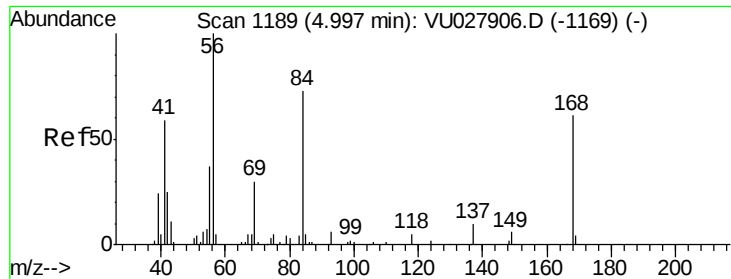
MMDadoda
11/5/2018 11:29:47 AM



#30
Chloroform
Concen: 20.358 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.6	76.0





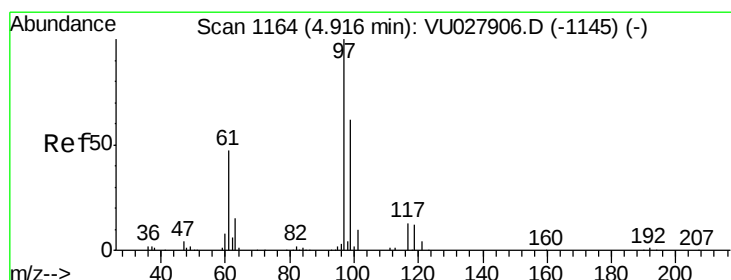
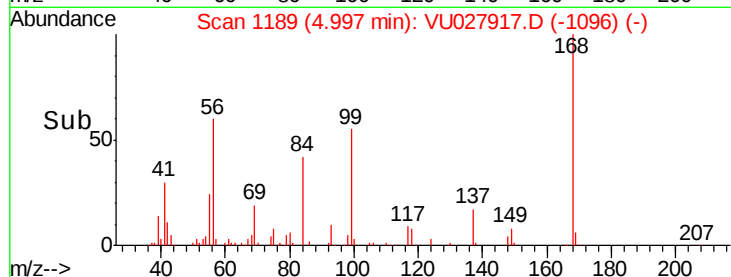
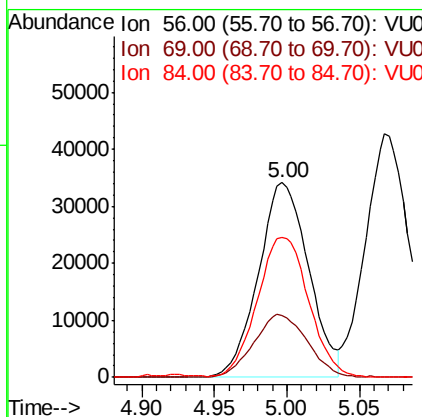
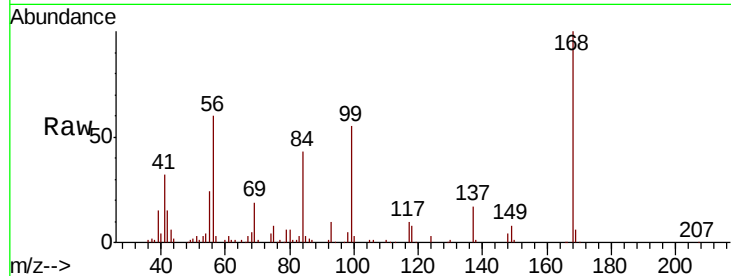
#31
Cyclohexane
Concen: 18.655 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.7	35.5
84	71.0	58.2	87.4

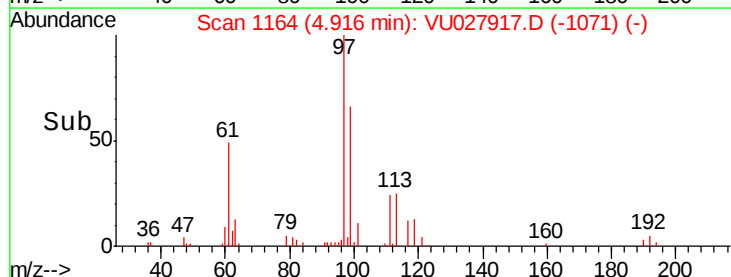
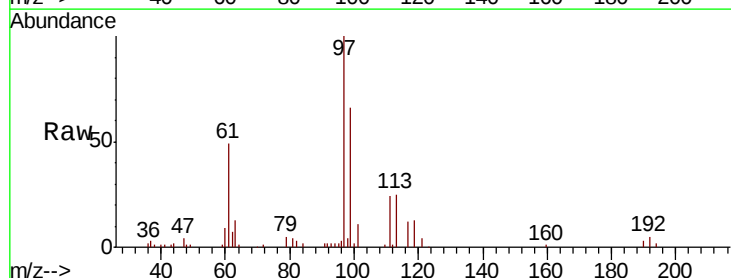
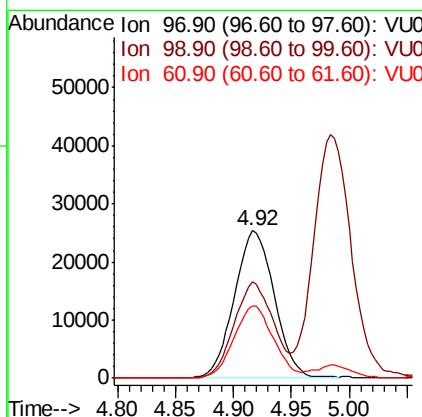
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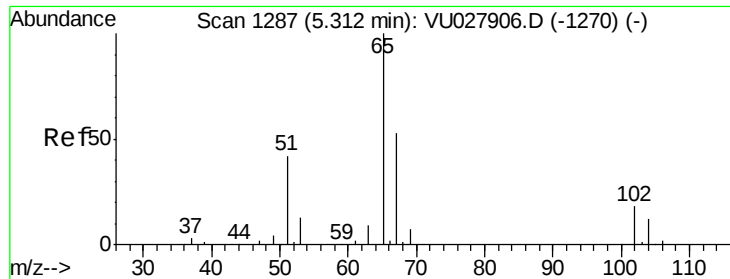
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.684 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.5	75.7
61	48.0	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 53.691 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 65 Resp: 129058

Ion Ratio Lower Upper

65 100

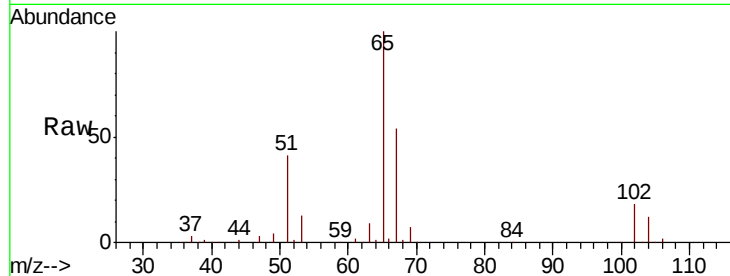
67 54.4 0.0 109.0

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Abundance Ion 64.90 (64.60 to 65.60): VU027917.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027917.D (-1194) (-)

5.31

60000

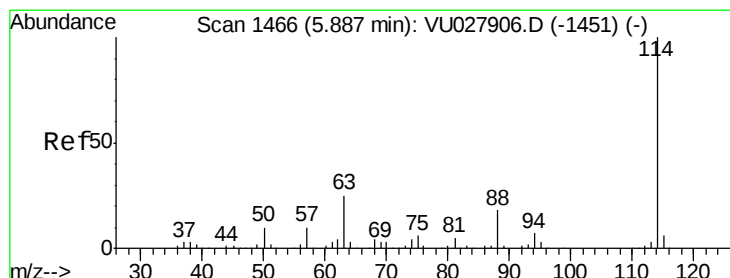
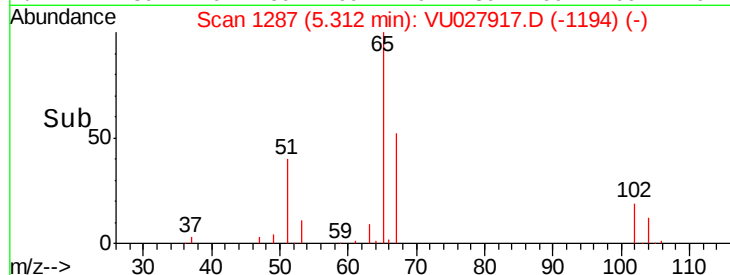
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

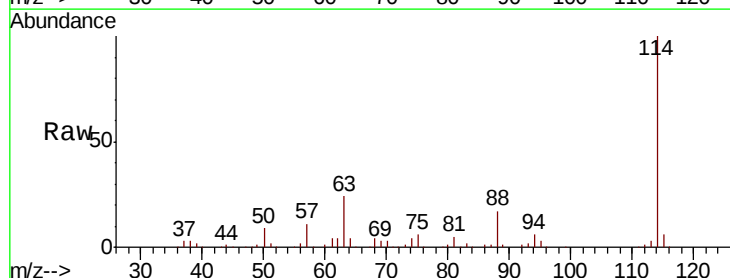
Tgt Ion: 114 Resp: 285548

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.8

88 16.7 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027917.D (-1373) (-)

Ion 63.00 (62.70 to 63.70): VU027917.D (-1373) (-)

Ion 87.90 (87.60 to 88.60): VU027917.D (-1373) (-)

5.89

150000

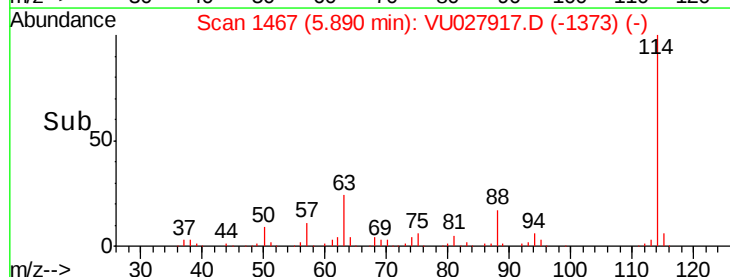
100000

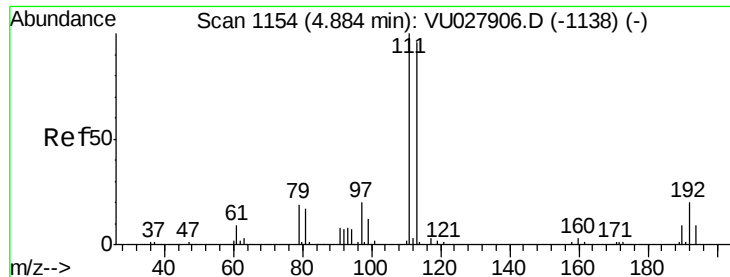
50000

0

Time-->

5.80 5.90 6.00





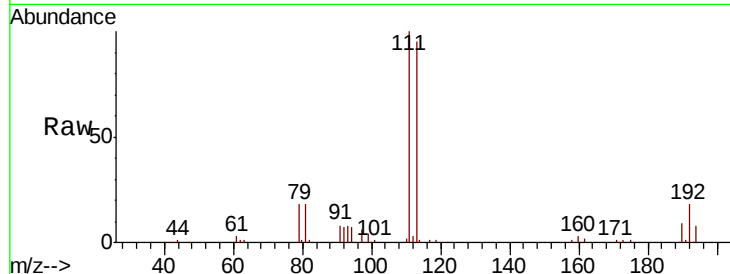
#35
 Dibromofluoromethane
 Concen: 52.627 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	83.0	124.6	
192	19.1	15.6	23.4	

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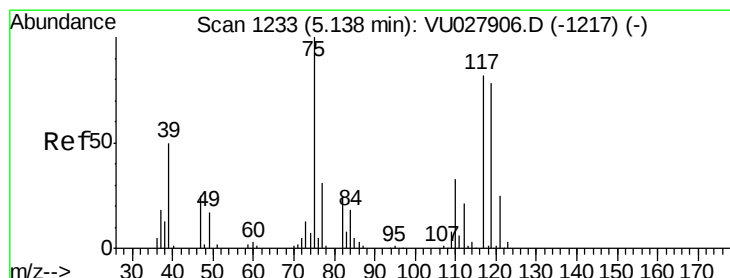
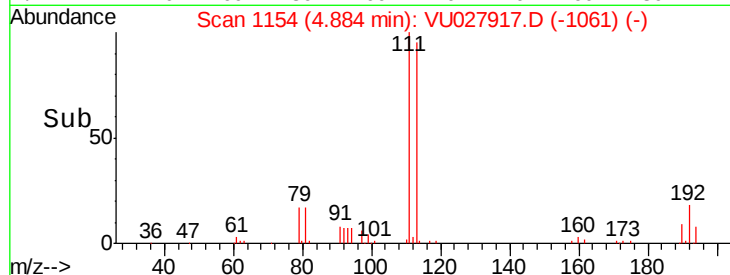
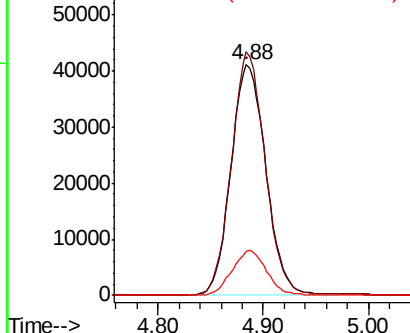


Abundance

Ion 112.80 (112.50 to 113.50): V

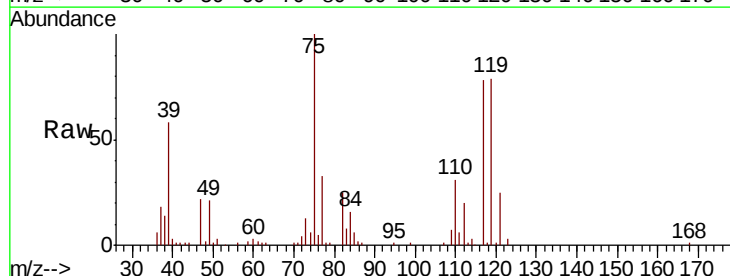
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.422 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	16.5	49.5	
77	32.3	24.9	37.3	

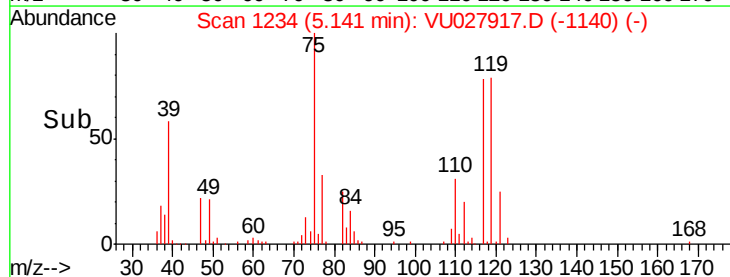
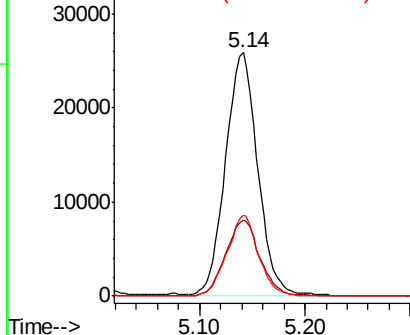


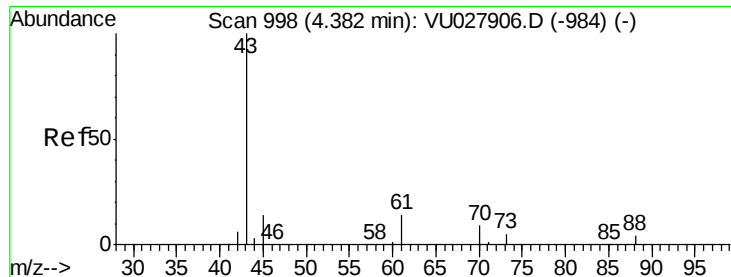
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





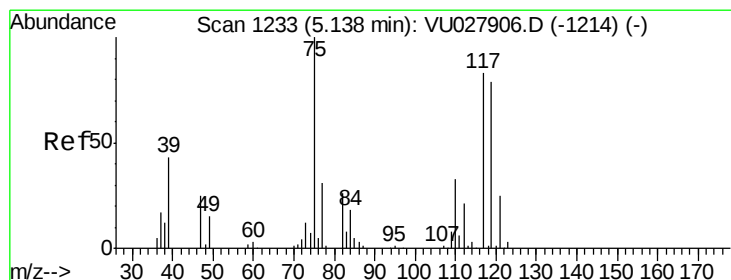
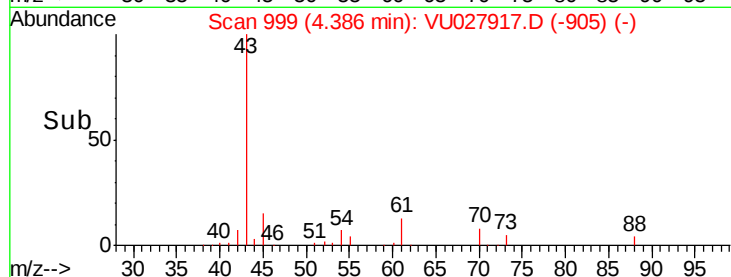
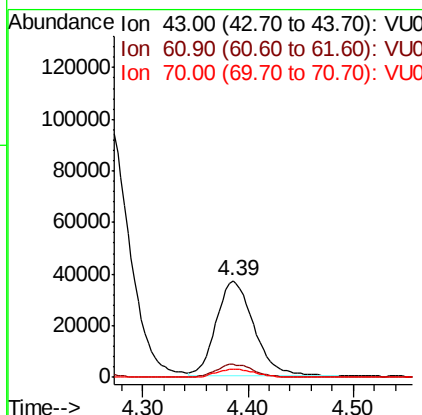
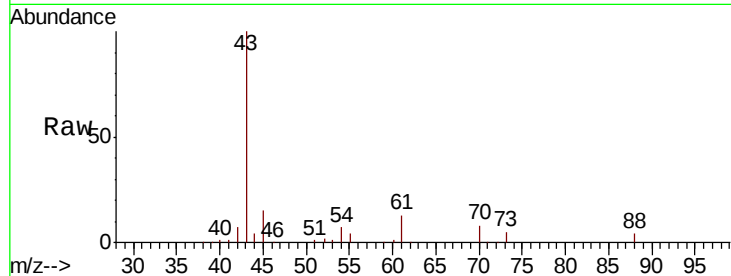
#37
Ethyl Acetate
Concen: 20.669 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.3	15.5
70	9.0	7.0	10.6

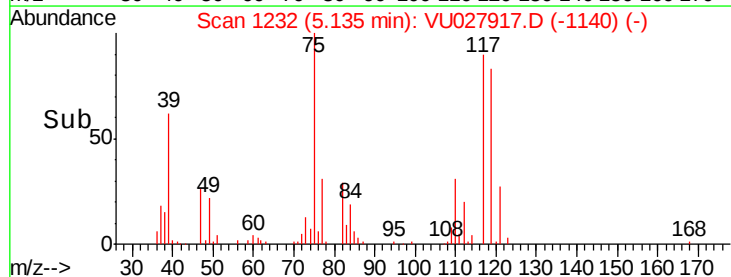
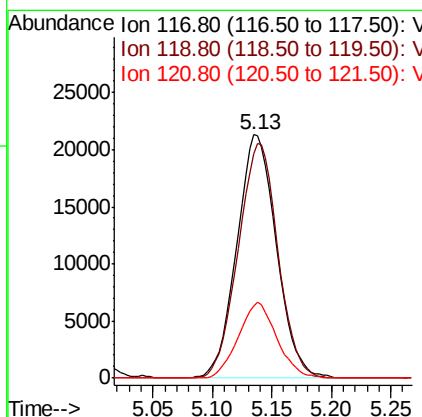
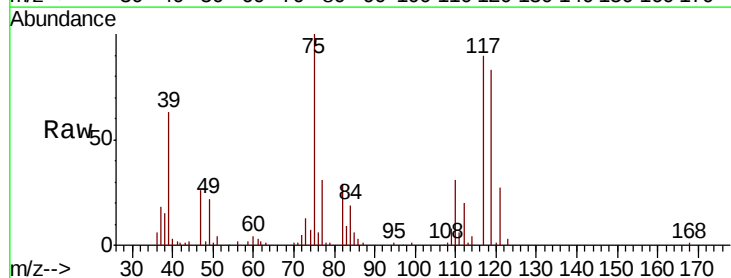
Manual Integrations
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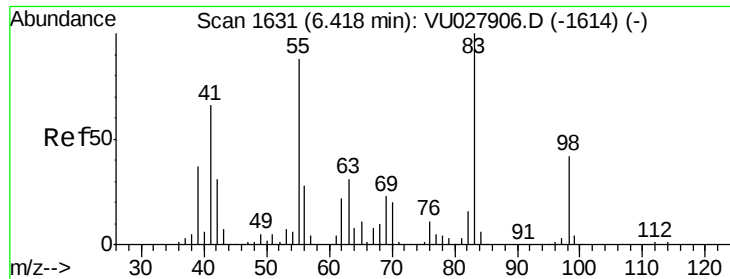
MMDadoda
11/5/2018 11:29:47 AM



#38
Carbon Tetrachloride
Concen: 18.535 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.0	114.0
121	29.7	24.5	36.7





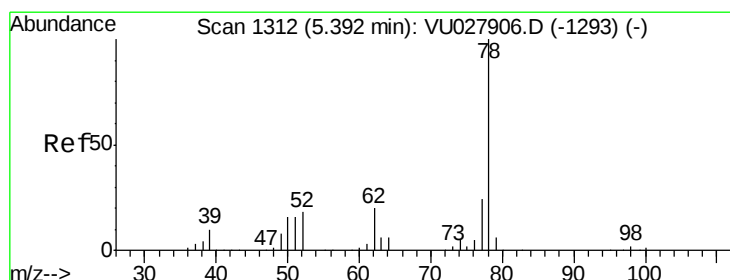
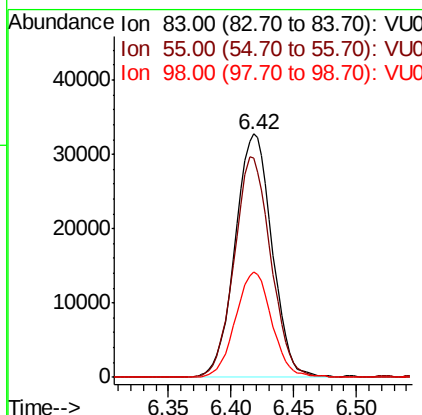
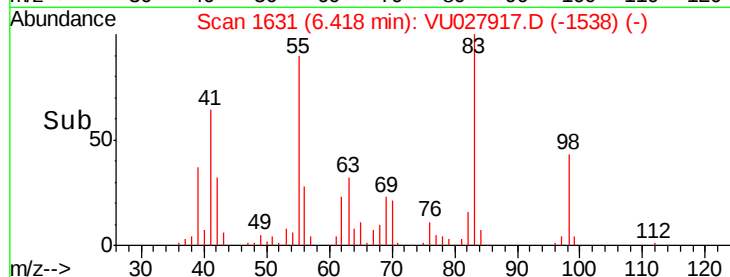
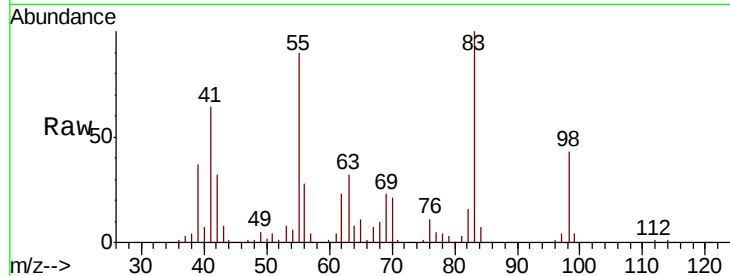
#39
Methylvlcvclohexane
Concen: 18.601 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	83	Resp	67095
Ion Ratio	100	Lower	Upper
83	100		
55	89.9	70.3	105.5
98	43.2	34.0	51.0

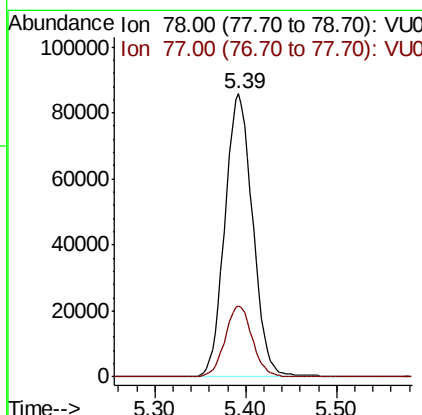
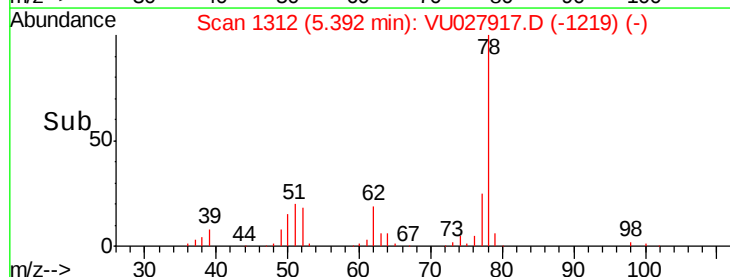
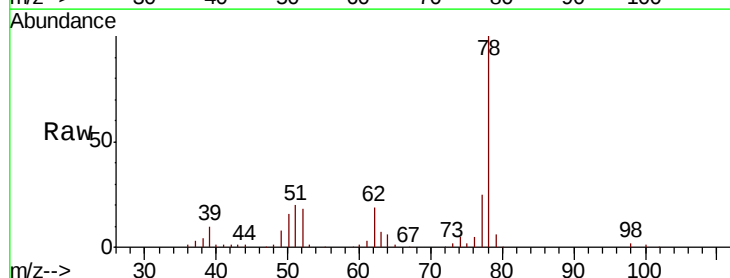
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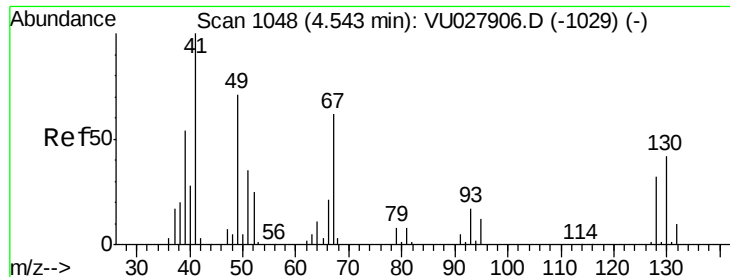
MMDadoda
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#40
Benzene
Concen: 19.965 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	78	Resp	182550
Ion Ratio	100	Lower	Upper
78	100		
77	24.9	19.3	28.9





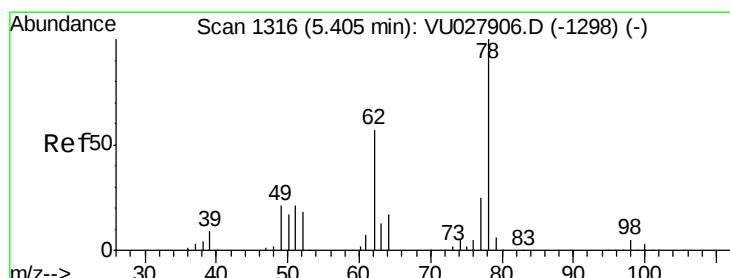
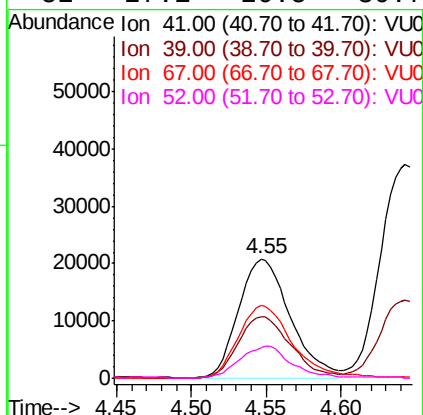
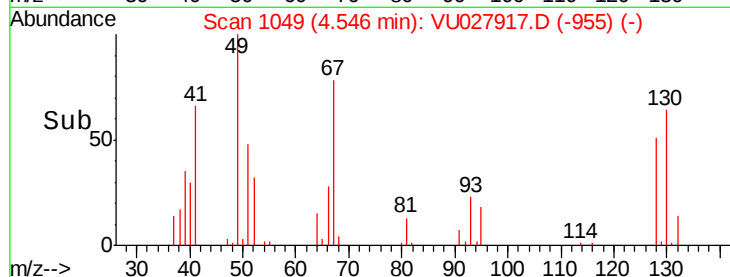
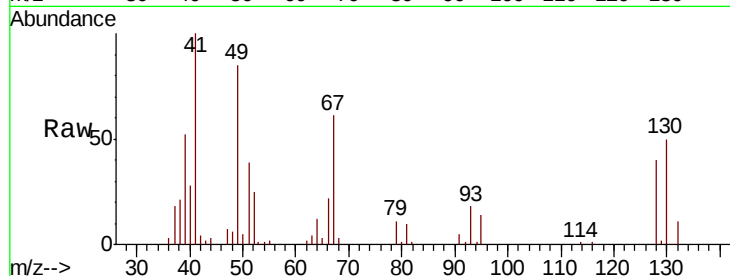
#41
Methacrylonitrile
Concen: 21.450 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.2	63.4	
67	63.6	49.5	74.3	
52	27.1	20.5	30.7	

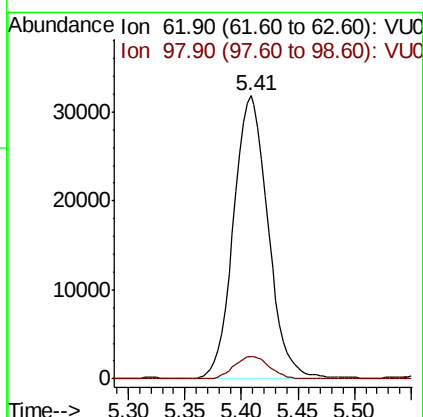
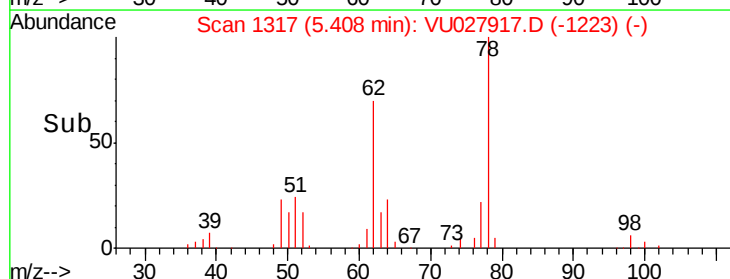
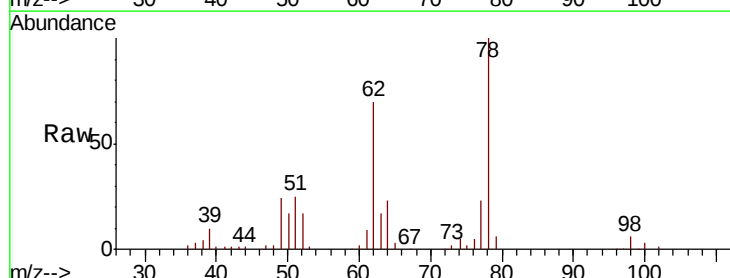
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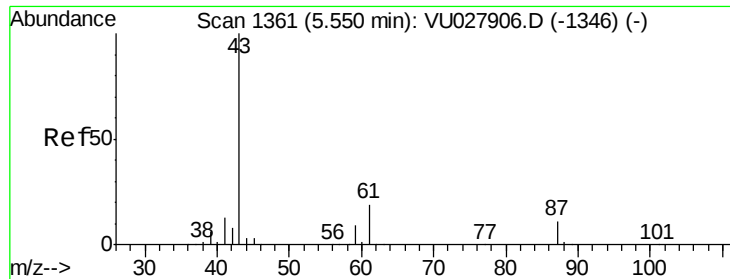
MMDadoda
11/5/2018 11:29:47 AM



#42
1,2-Dichloroethane
Concen: 20.872 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.2	





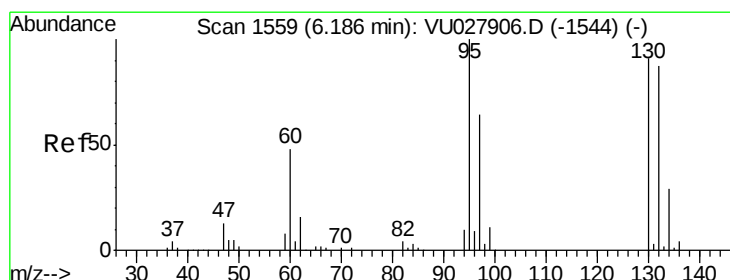
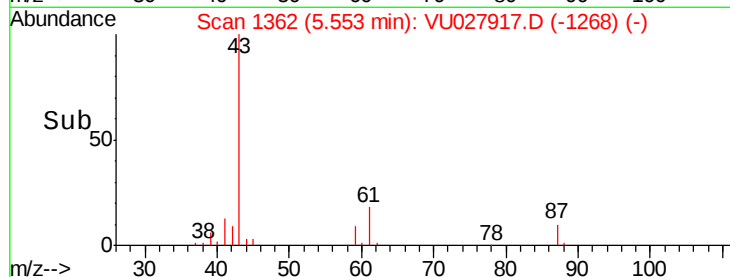
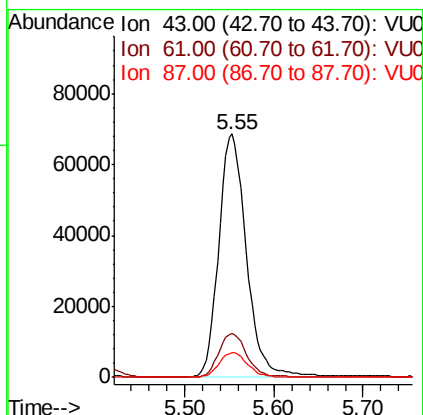
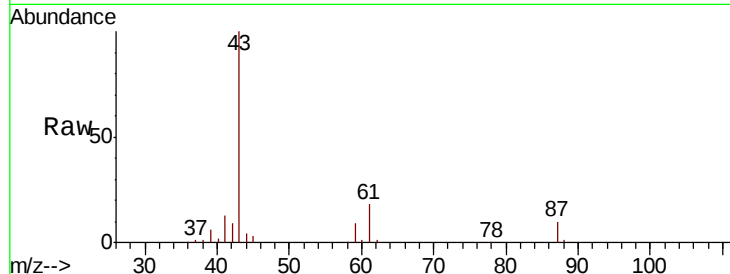
#43
Isopropyl Acetate
Concen: 21.360 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	10.6	8.6	12.8

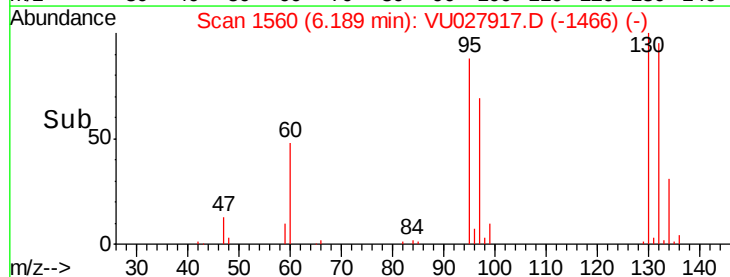
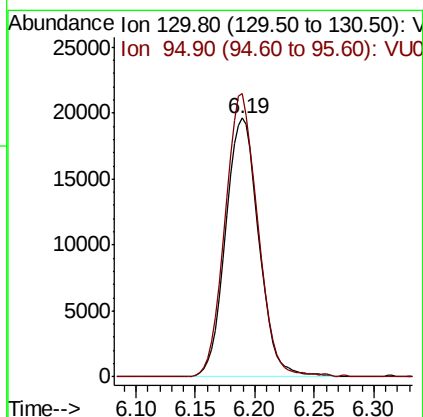
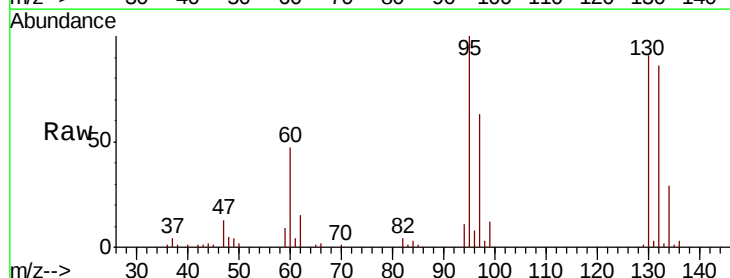
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#44
Trichloroethene
Concen: 19.438 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	219.2





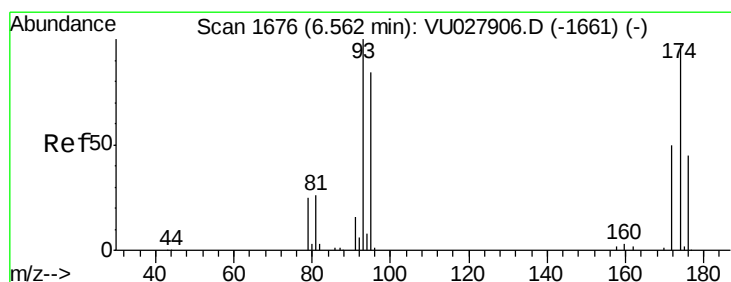
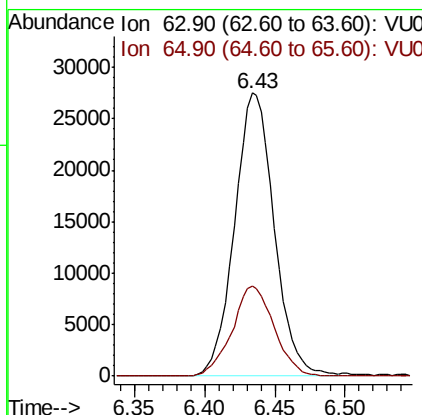
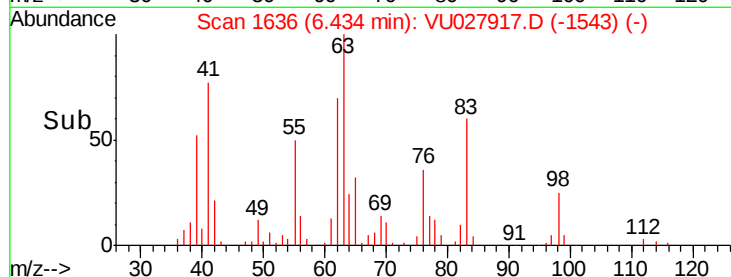
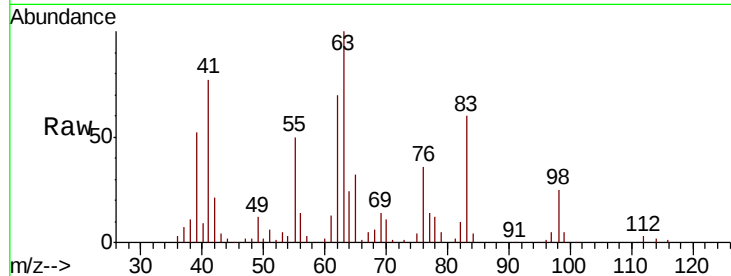
#45
 1,2-Dichloropropane
 Concen: 20.518 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion: 63 Resp: 54104
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.4 36.6

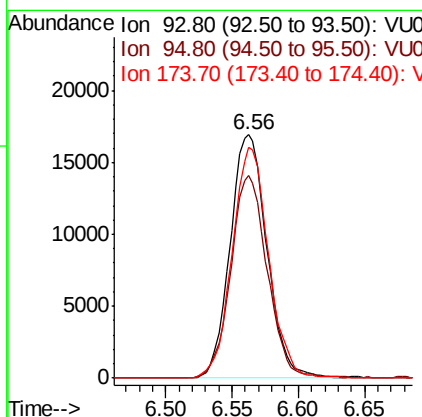
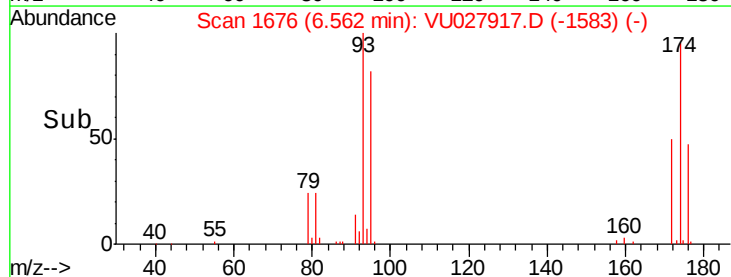
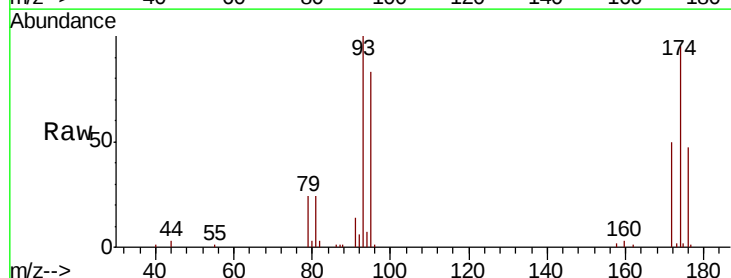
Manual Integrations
 APPROVED

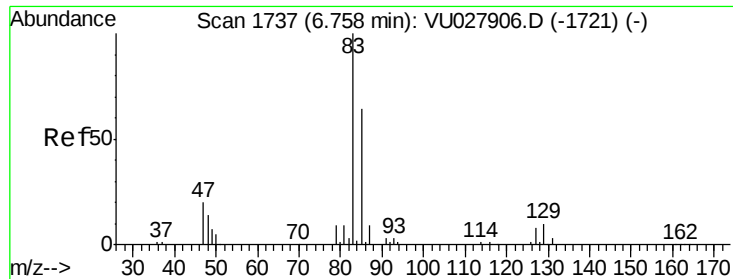
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 11/5/2018 11:29:47 AM



#46
 Dibromomethane
 Concen: 21.509 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 93 Resp: 32602
 Ion Ratio Lower Upper
 93 100
 95 82.2 68.5 102.7
 174 93.7 76.1 114.1





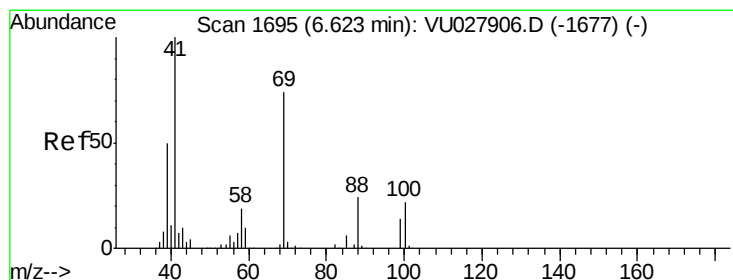
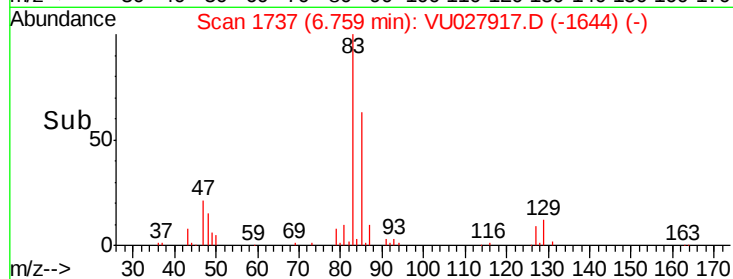
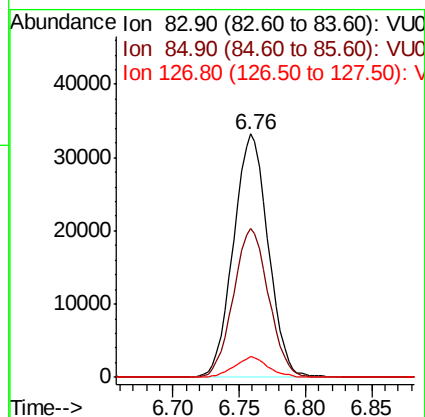
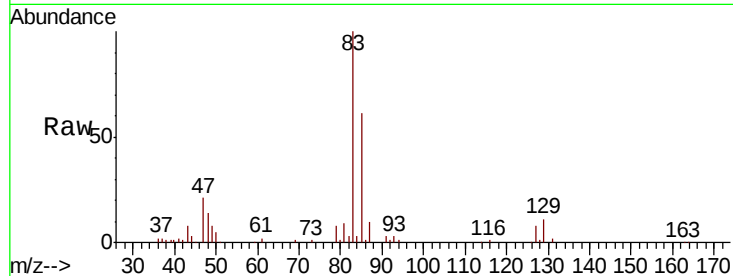
#47
Bromodichloromethane
Concen: 20.732 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	83	Resp	60559
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	51.0	76.6
127	8.4	6.2	9.4

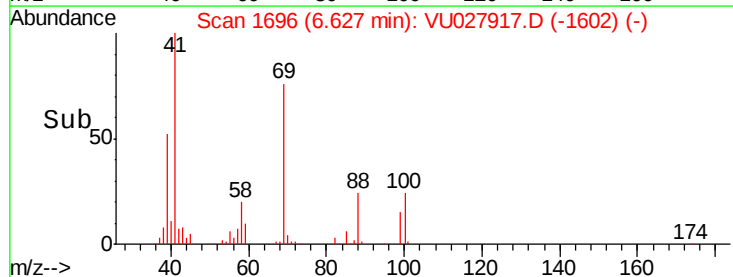
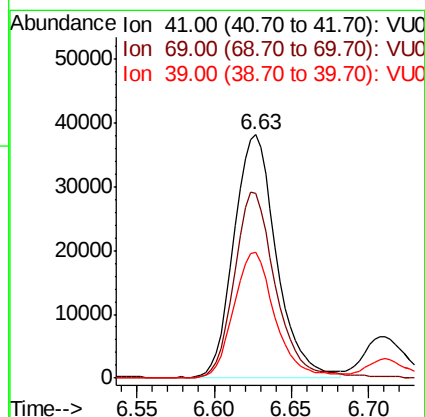
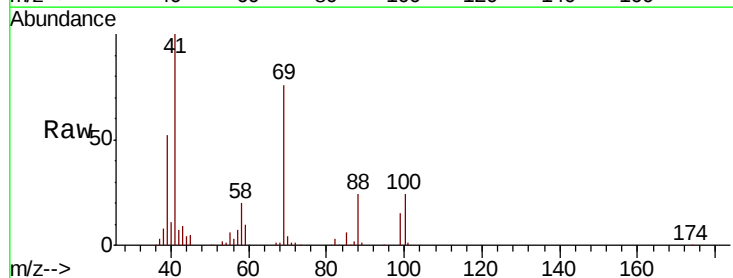
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#48
Methyl methacrylate
Concen: 21.598 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	41	Resp	72660
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	59.8	89.8
39	50.9	40.0	60.0





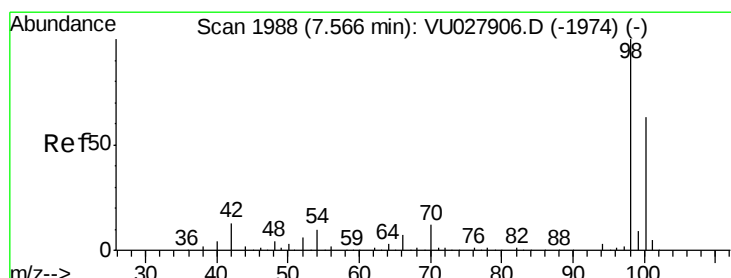
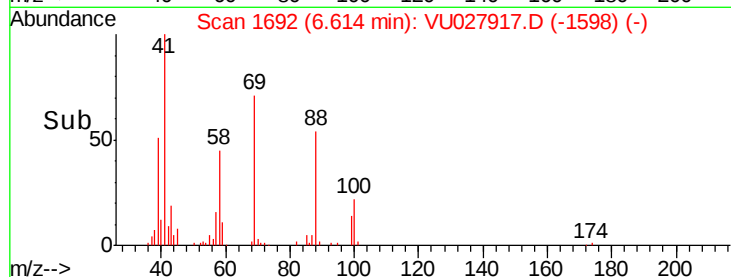
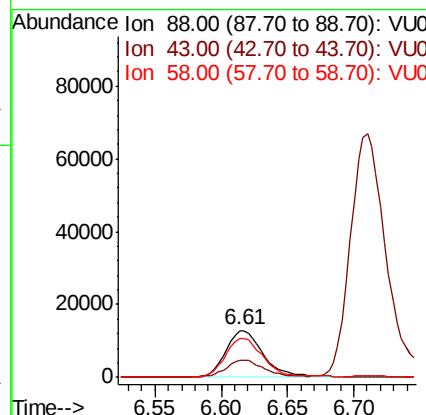
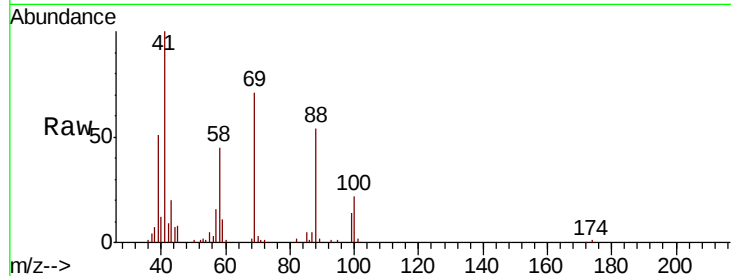
#49
1,4-Dioxane
Concen: 464.820 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	30.5	45.7
58	83.0	67.1	100.7

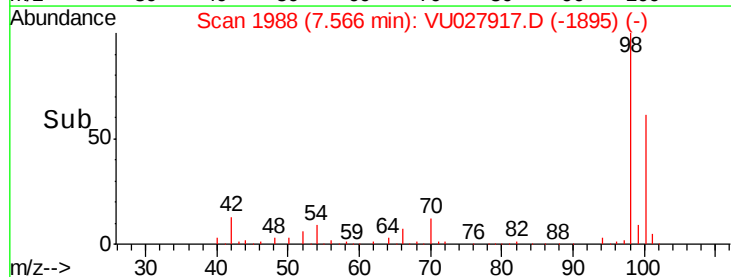
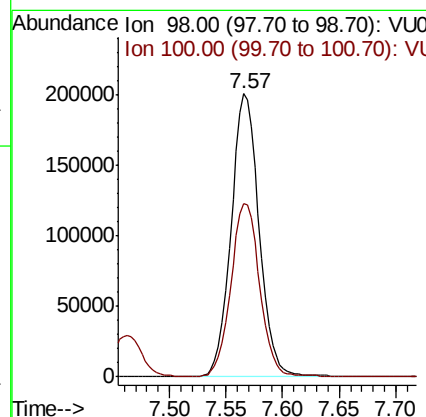
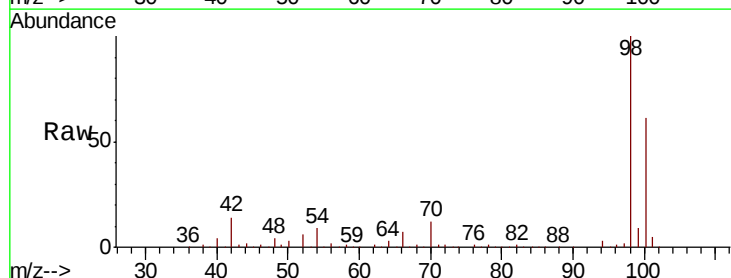
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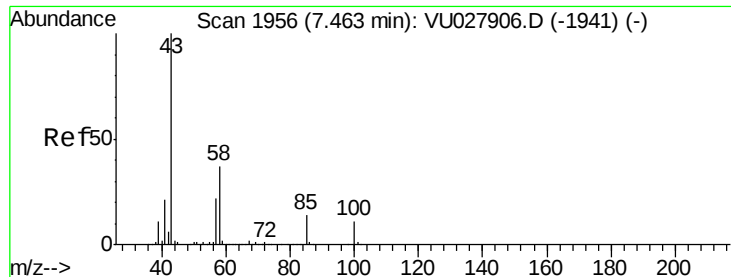
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#50
Toluene-d8
Concen: 49.892 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.9	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 104.050 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 43 Resp: 477051

Ion Ratio Lower Upper

43 100

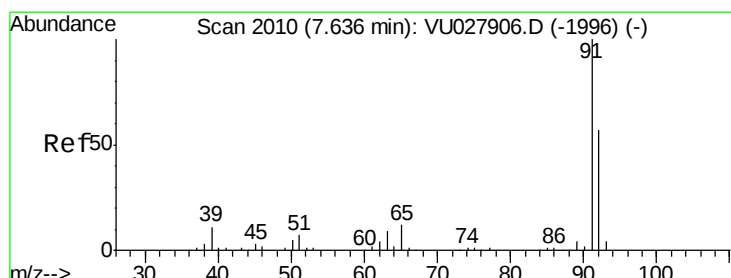
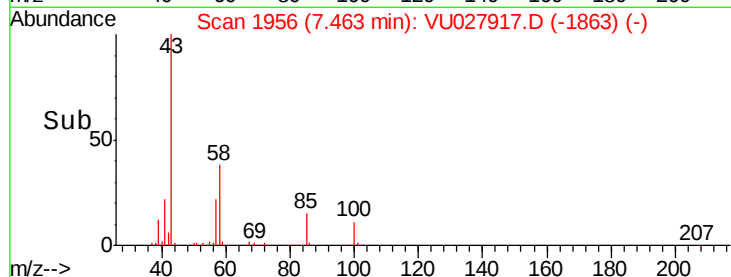
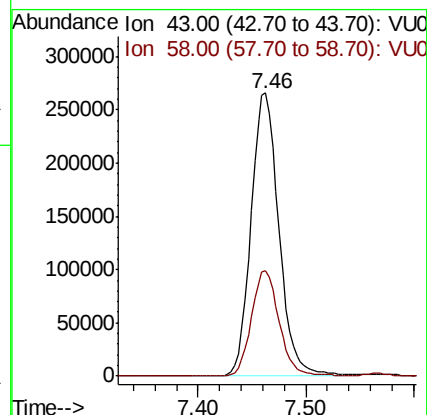
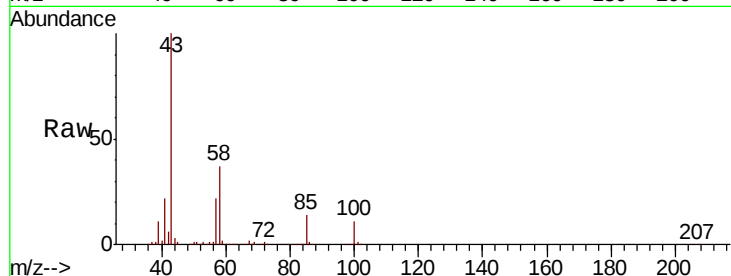
58 37.2 29.5 44.3

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#52

Toluene

Concen: 19.656 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027917.D

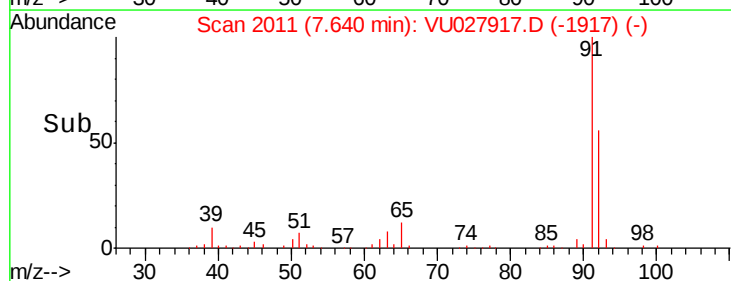
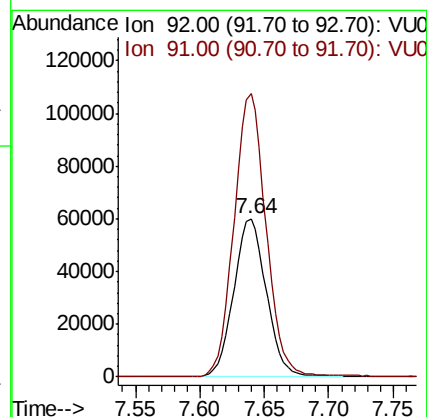
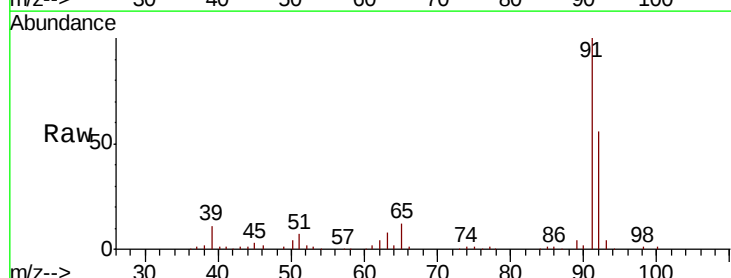
Acq: 02 Nov 2018 11:43

Tgt Ion: 92 Resp: 105660

Ion Ratio Lower Upper

92 100

91 176.9 141.2 211.8





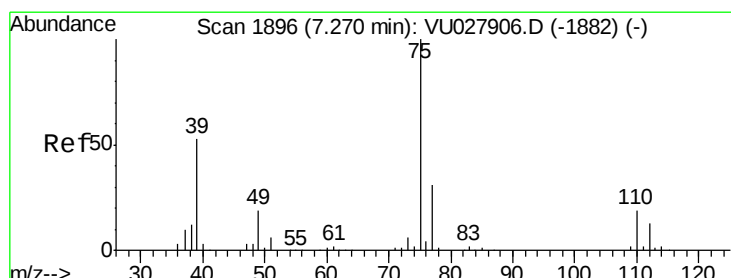
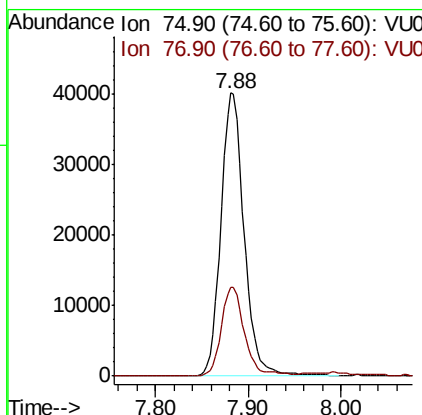
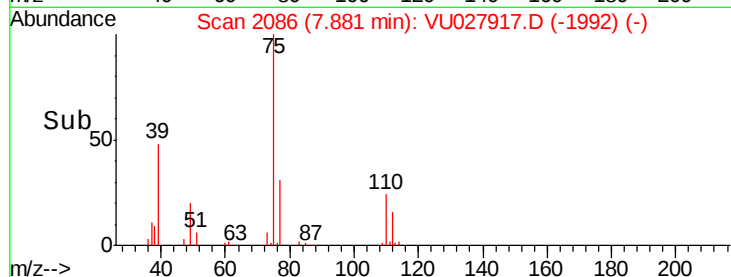
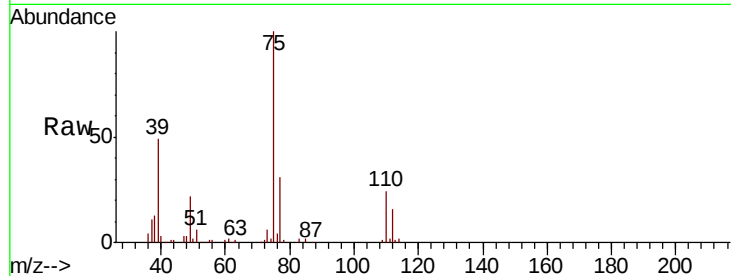
#53
t-1,3-Dichloropropene
Concen: 19.976 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion: 75 Resp: 69870
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

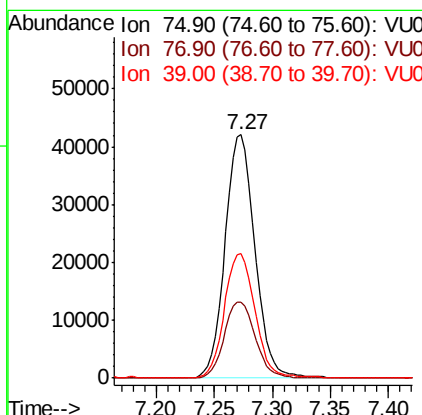
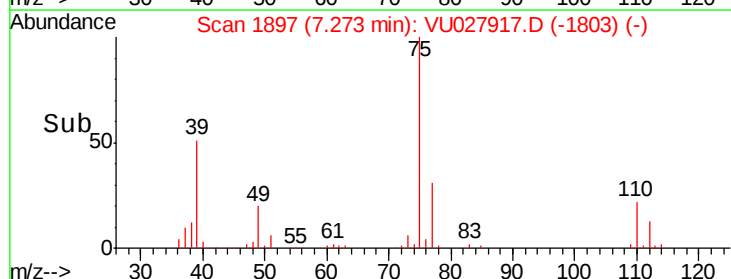
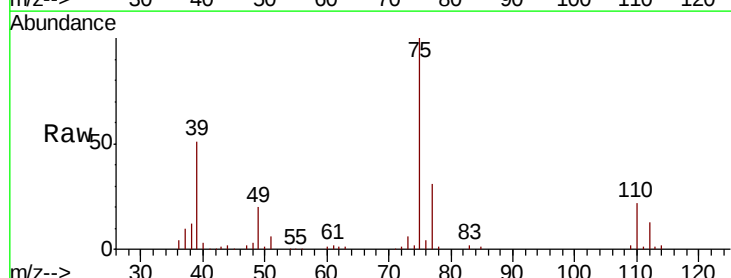
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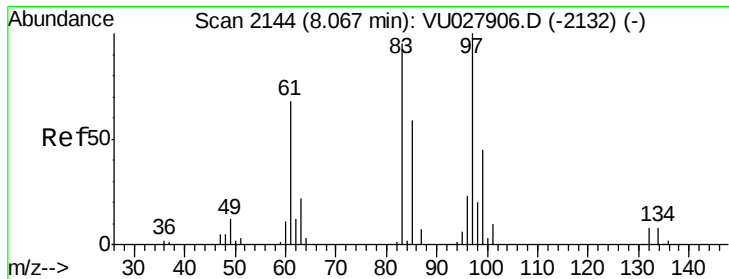
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#54
cis-1,3-Dichloropropene
Concen: 20.903 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 75 Resp: 75269
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0
39 51.4 42.6 64.0





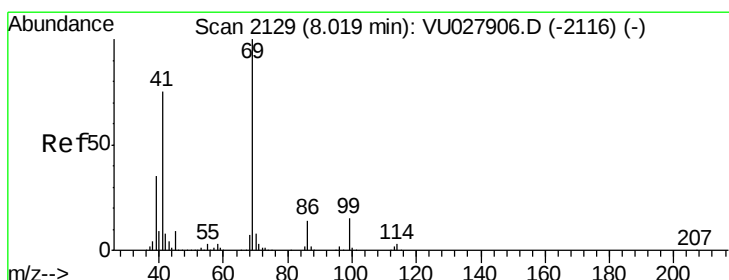
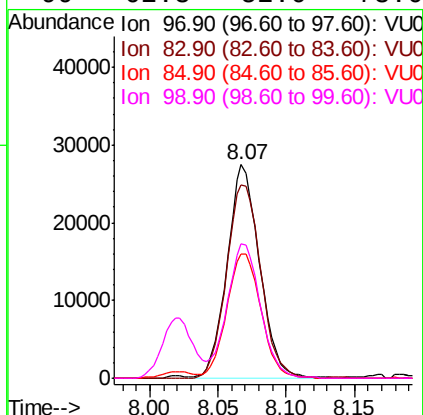
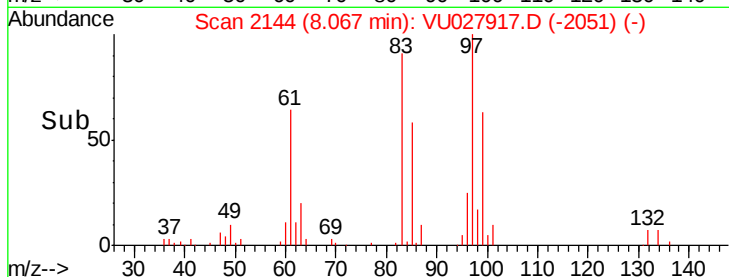
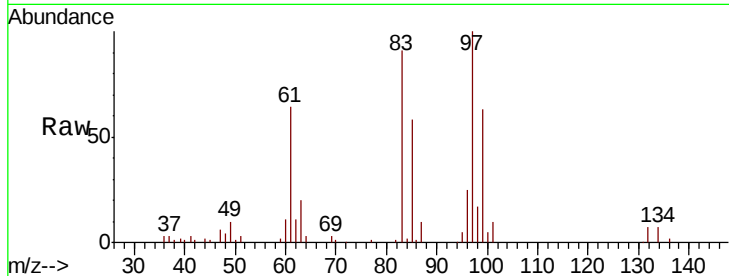
#55
 1,1,2-Trichloroethane
 Concen: 20.831 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion:	97	Resp:	45556
Ion	Ratio	Lower	Upper
97	100		
83	90.7	76.1	114.1
85	58.1	48.9	73.3
99	62.8	52.0	78.0

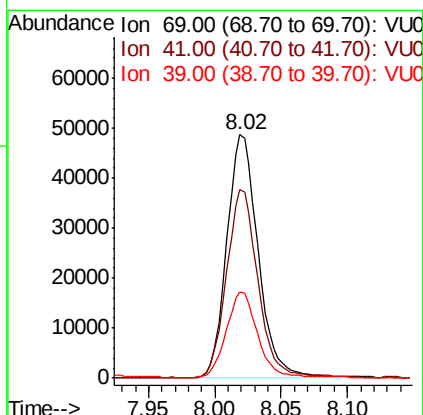
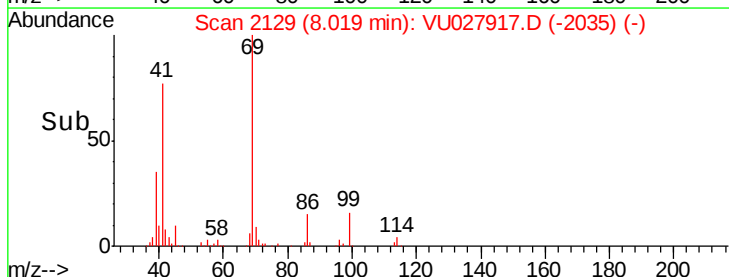
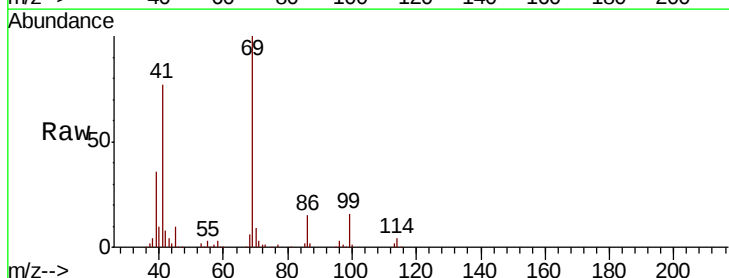
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#56
 Ethyl methacrylate
 Concen: 20.822 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion:	69	Resp:	80304
Ion	Ratio	Lower	Upper
69	100		
41	78.5	59.8	89.6
39	35.9	28.6	42.8





#57

1,3-Dichloropropane

Concen: 21.156 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 76 Resp: 84282

Ion Ratio Lower Upper

76 100

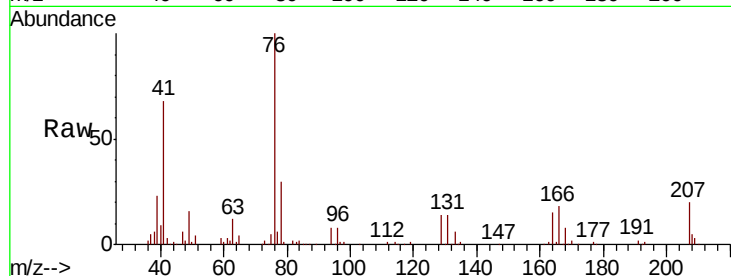
78 30.8 25.3 37.9

Manual Integrations

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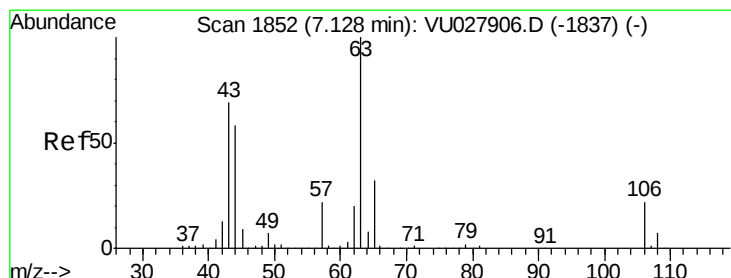
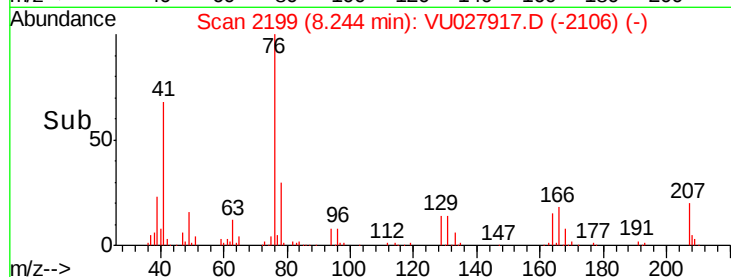
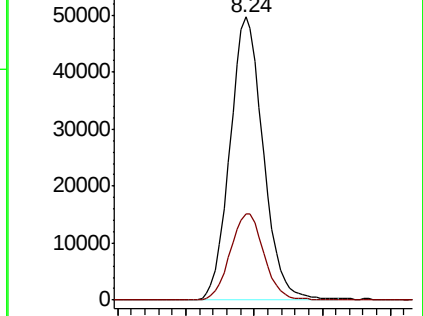
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 106.389 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027917.D

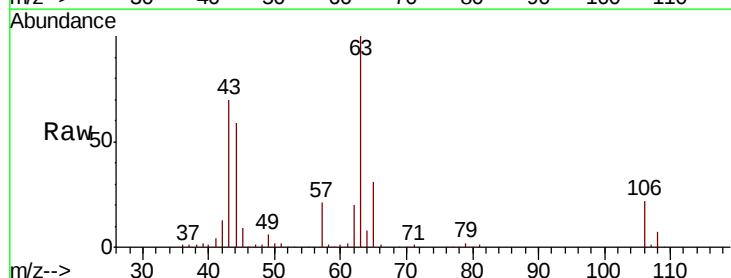
Acq: 02 Nov 2018 11:43

Tgt Ion: 63 Resp: 219751

Ion Ratio Lower Upper

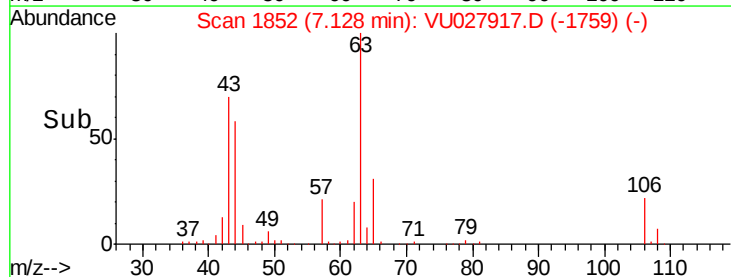
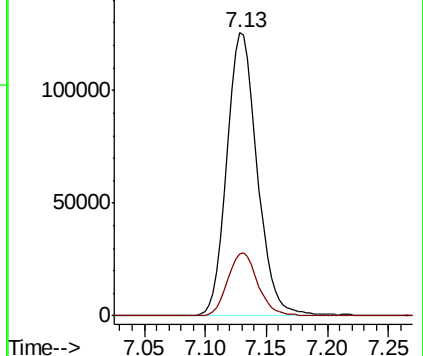
63 100

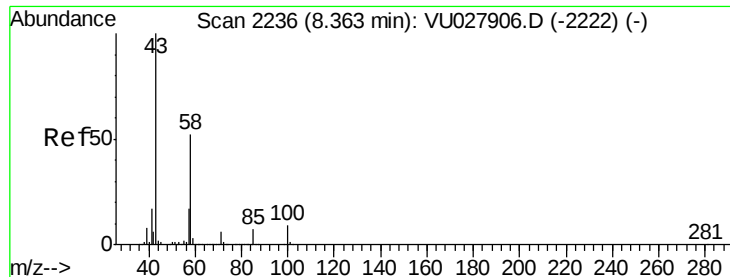
106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





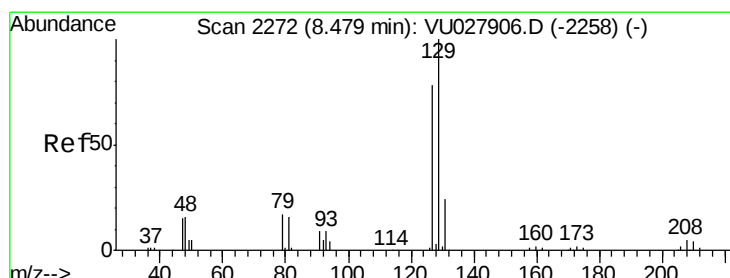
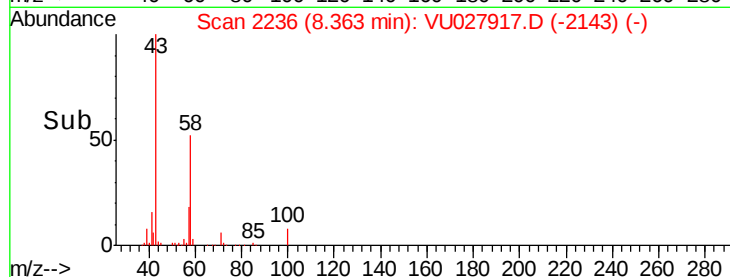
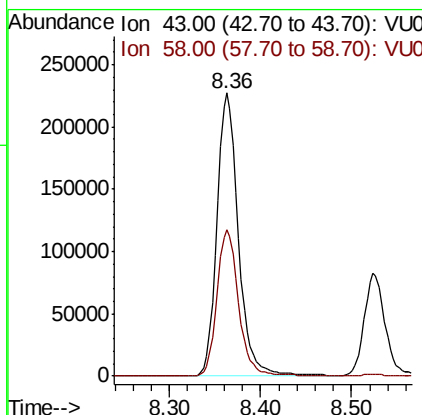
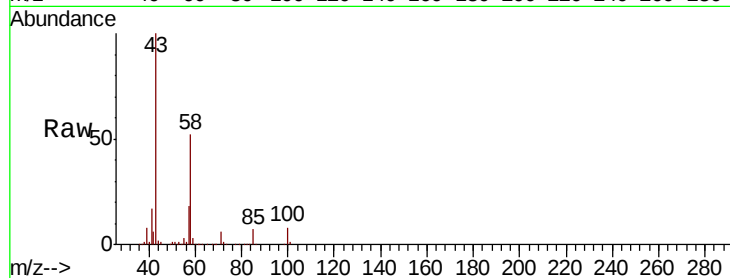
#59
2-Hexanone
Concen: 105.153 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	43	Resp	372878
Ion Ratio	43	100	
Lower	58	52.4	25.8
Upper			77.3

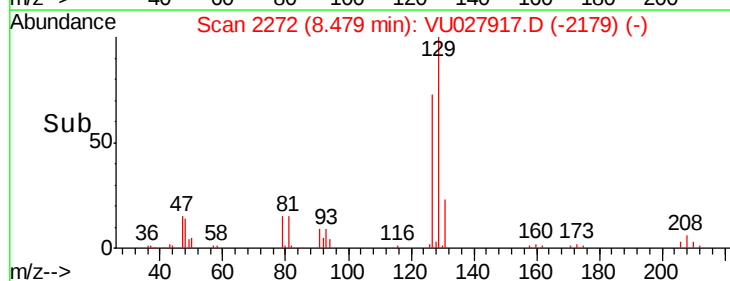
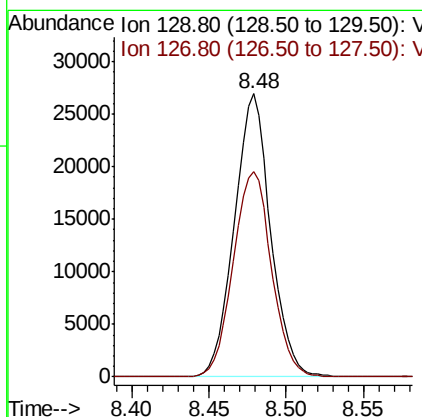
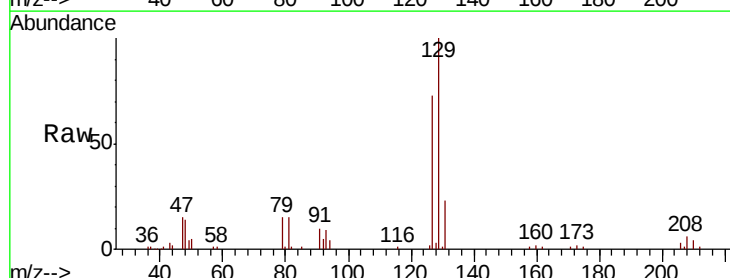
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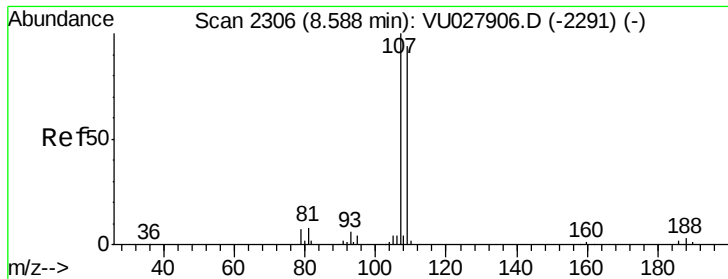
MMDadoda
11/5/2018 11:29:47 AM



#60
Dibromochloromethane
Concen: 21.147 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	129	Resp	43764
Ion Ratio	129	100	
Lower	127	76.5	39.2
Upper			117.6





#61

1,2-Dibromoethane

Concen: 21.105 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion:107 Resp: 49043

Ion Ratio Lower Upper

107 100

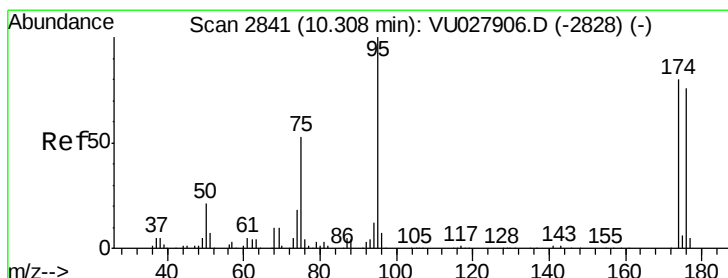
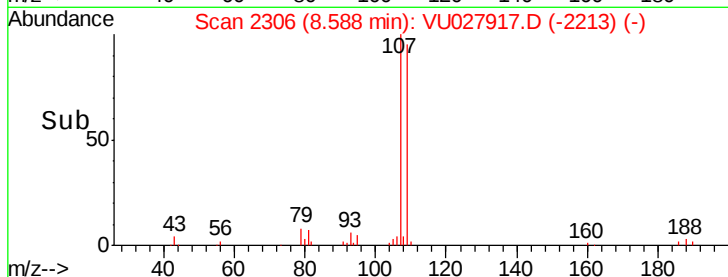
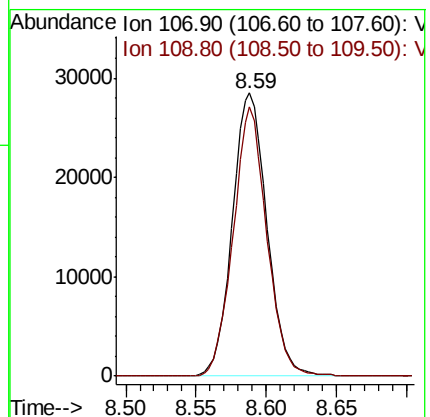
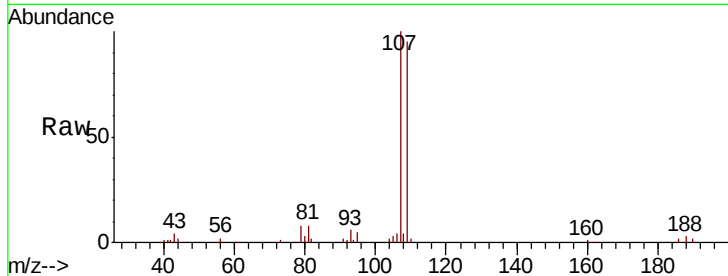
109 92.0 73.8 110.8

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#62

4-Bromofluorobenzene

Concen: 48.952 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

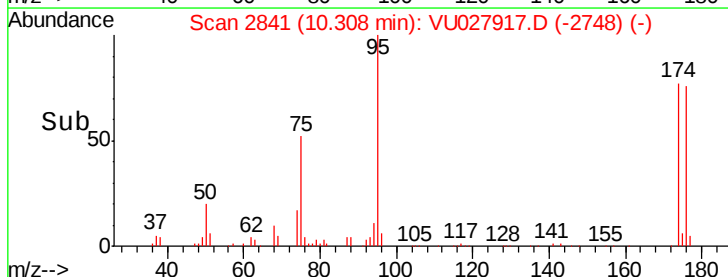
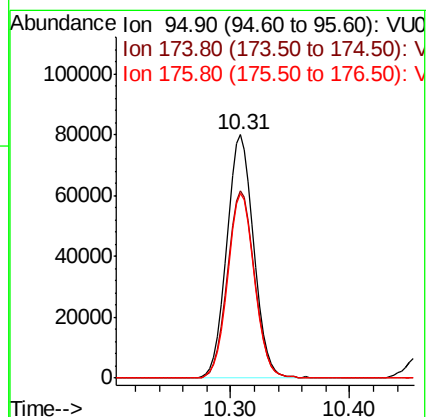
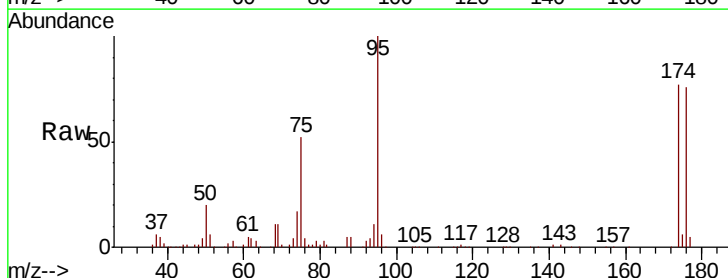
Tgt Ion: 95 Resp: 125575

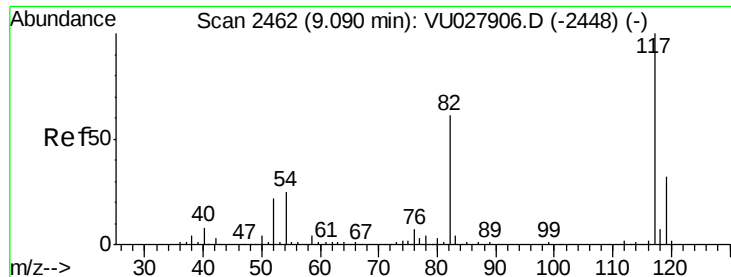
Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.4

176 75.4 0.0 150.8





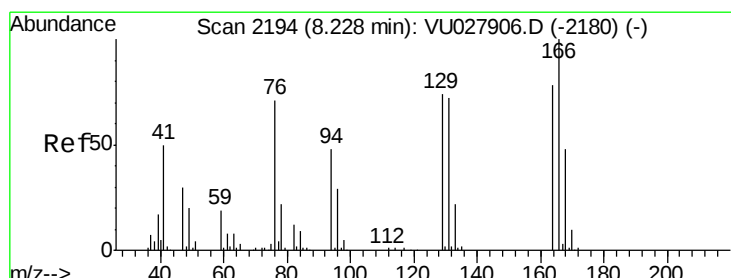
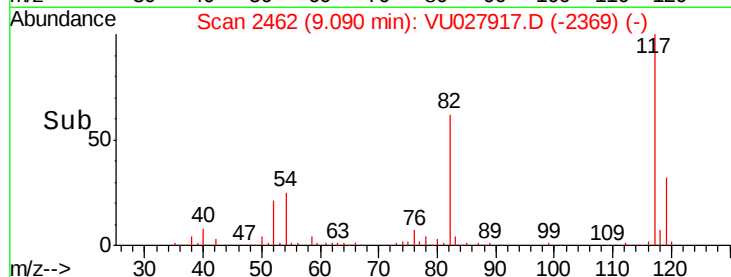
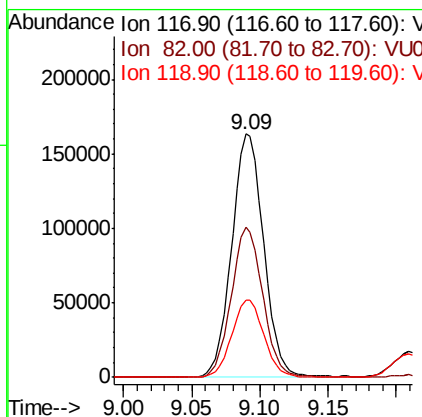
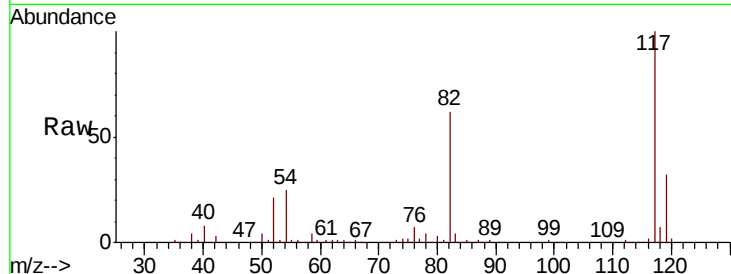
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.6	73.0
119	31.8	25.8	38.8

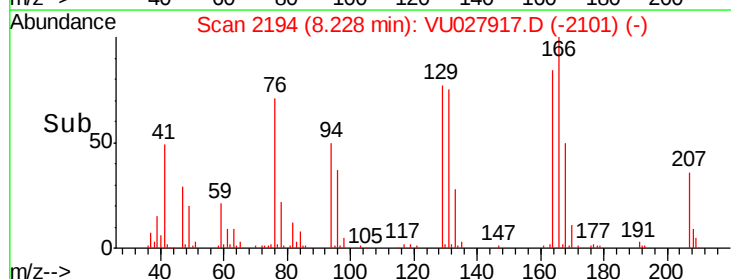
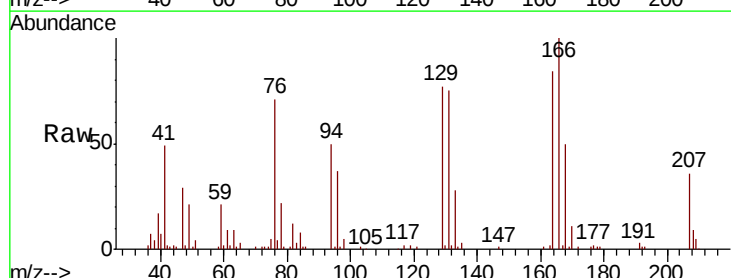
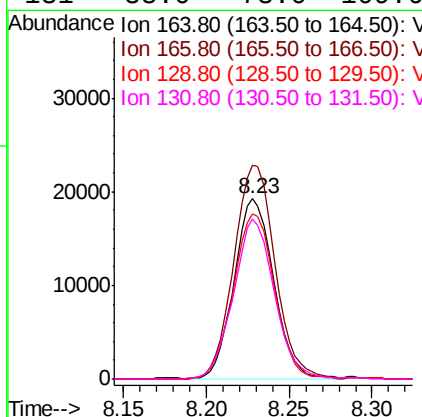
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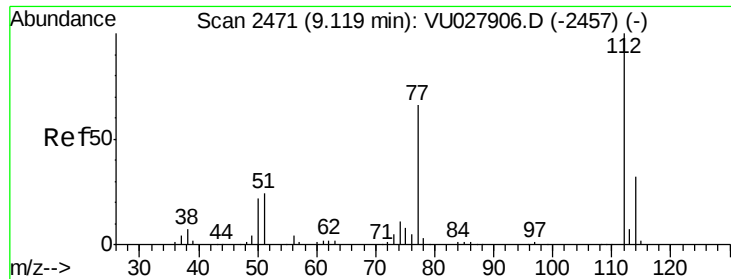
MMDadoda
11/5/2018 11:29:47 AM



#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	102.1	153.1
129	91.4	75.9	113.9
131	88.0	73.0	109.6





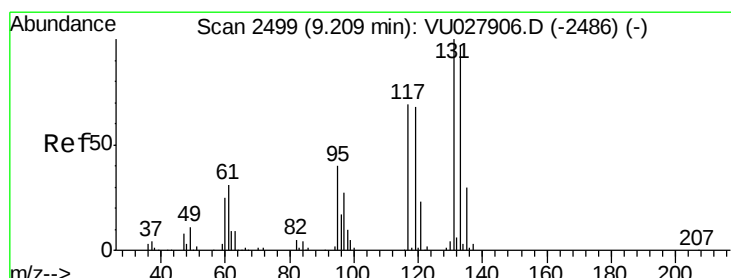
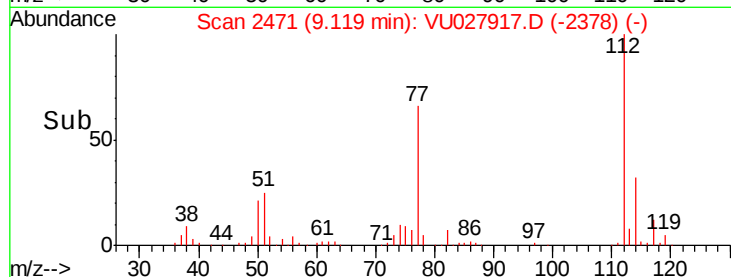
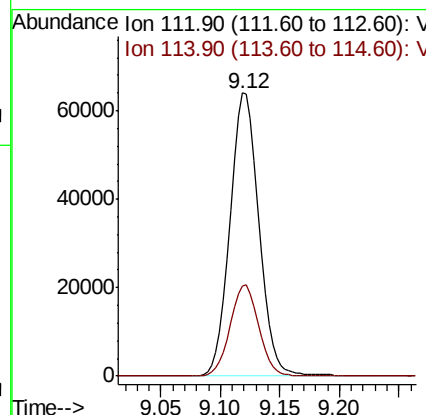
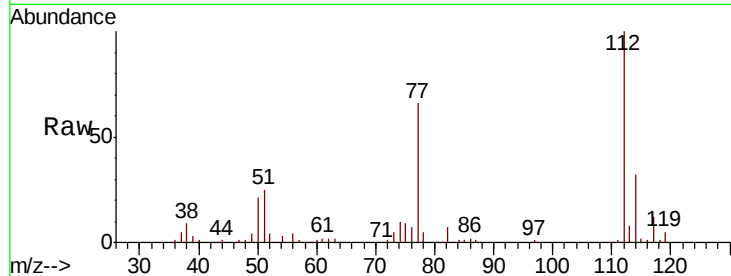
#65
Chlorobenzene
Concen: 19.278 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

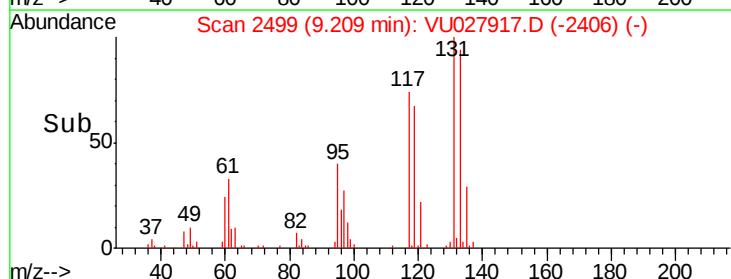
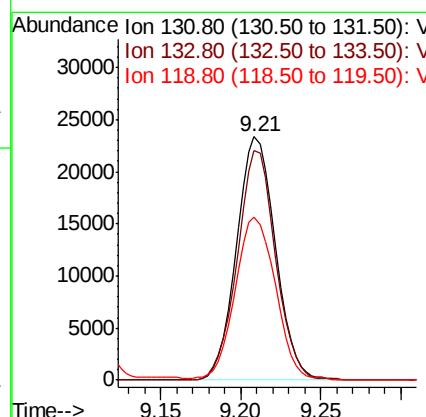
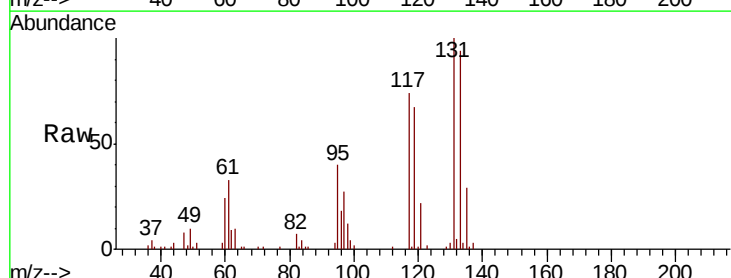
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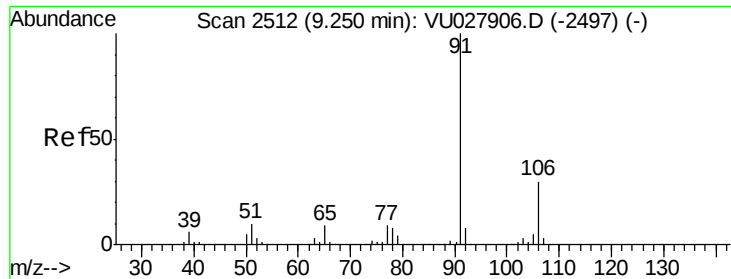
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.112 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.1	144.4
119	70.1	34.0	101.8





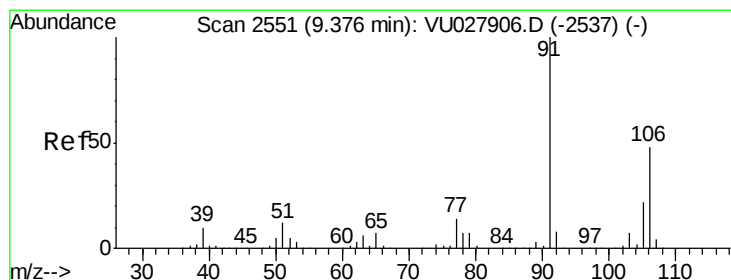
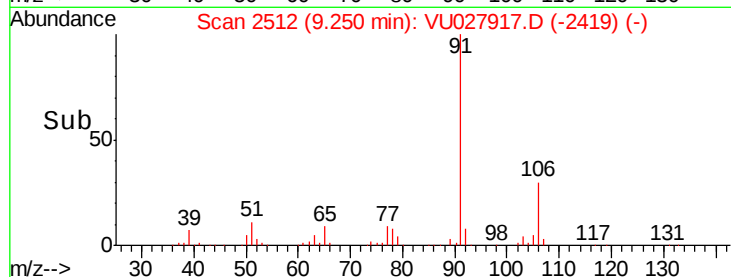
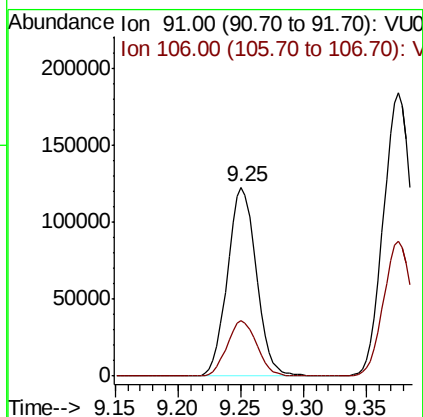
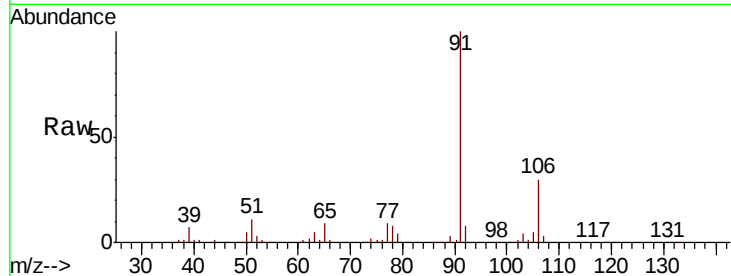
#67
Ethyl Benzene
Concen: 19.026 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion: 91 Resp: 196794
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4

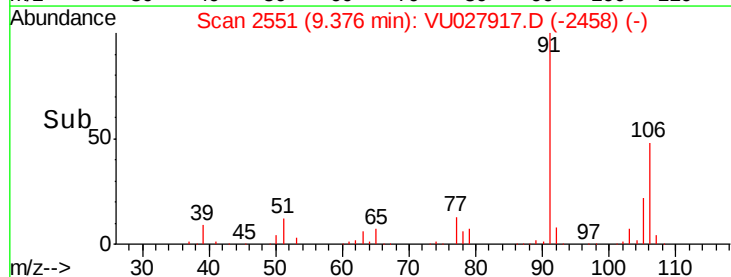
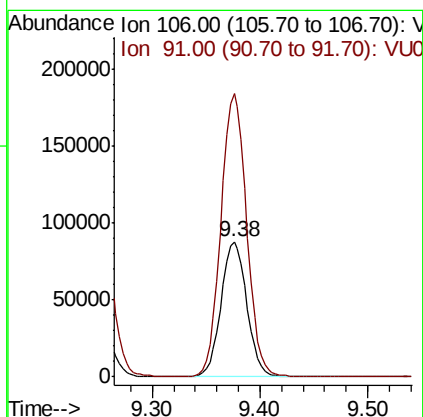
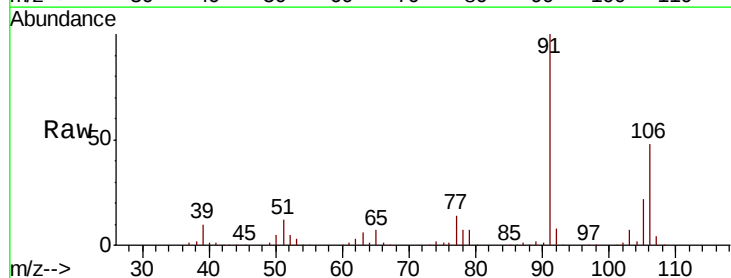
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#68
m/p-Xylenes
Concen: 38.945 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 106 Resp: 146159
Ion Ratio Lower Upper
106 100
91 207.7 168.2 252.4





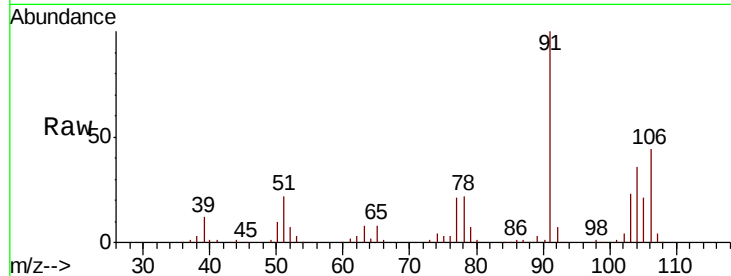
#69
o-Xylene
Concen: 19.493 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

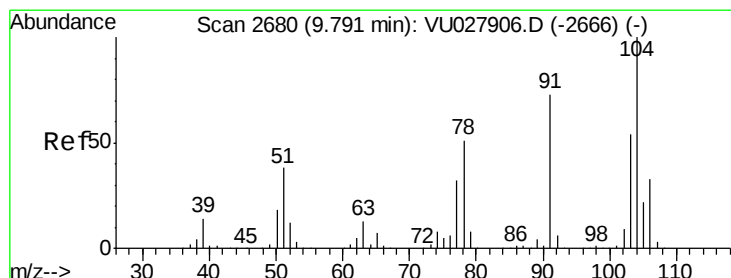
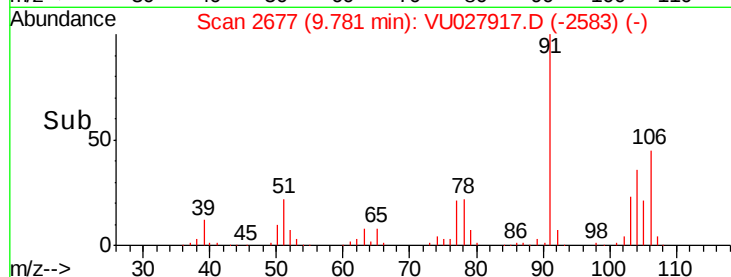
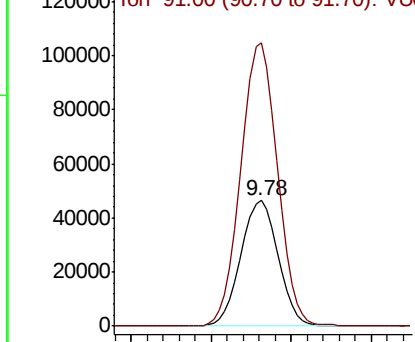
Tot Ion:106 Resp: 73872
Ion Ratio Lower Upper
106 100
91 221.2 111.1 333.4

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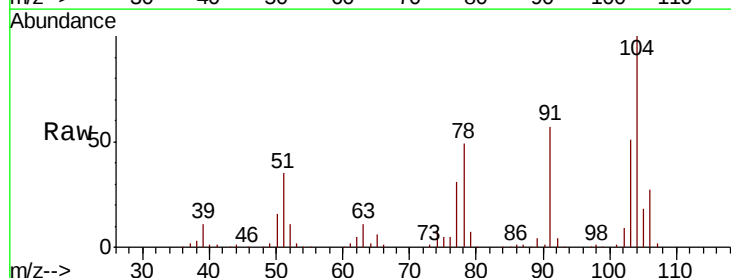


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

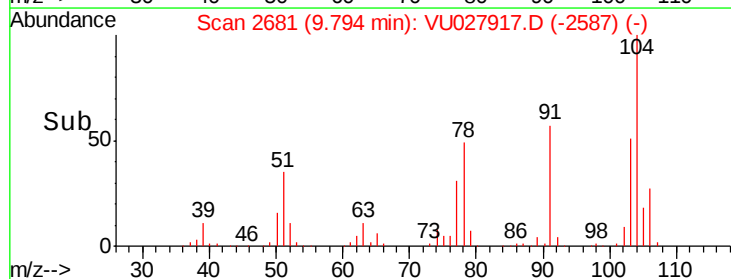
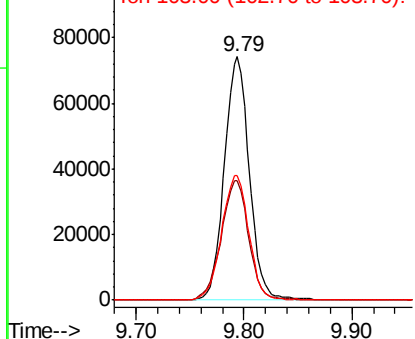


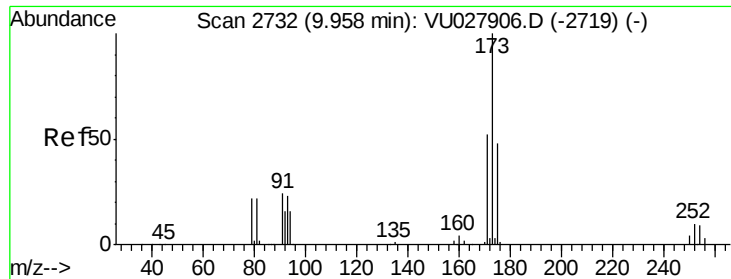
#70
Styrene
Concen: 19.819 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion:104 Resp: 120008
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.4
103 55.2 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: 19.733 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion:173 Resp: 31742

Ion Ratio Lower Upper

173 100

175 46.6 24.3 72.8

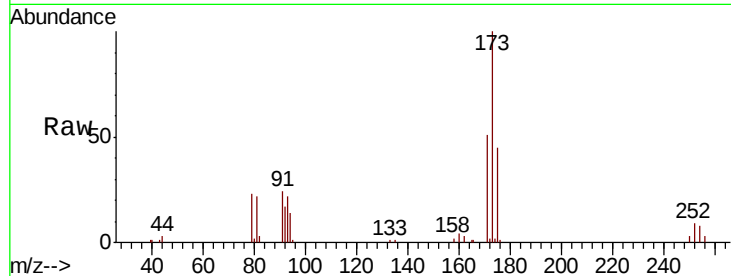
254 0.0 0.0 0.0

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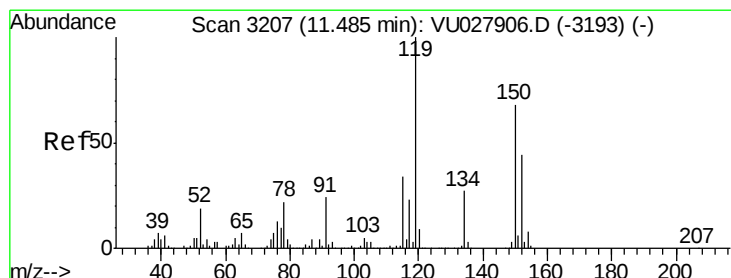
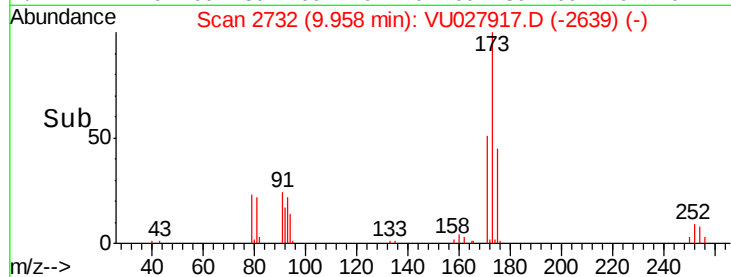
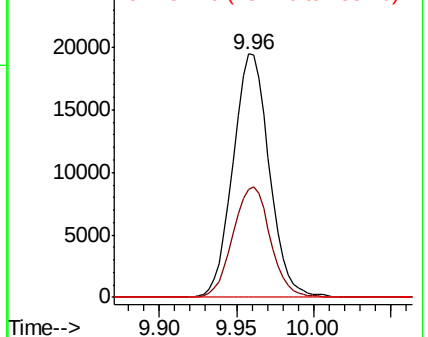
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

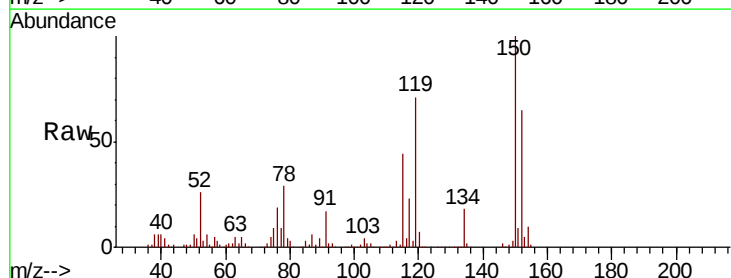
Tgt Ion:152 Resp: 124556

Ion Ratio Lower Upper

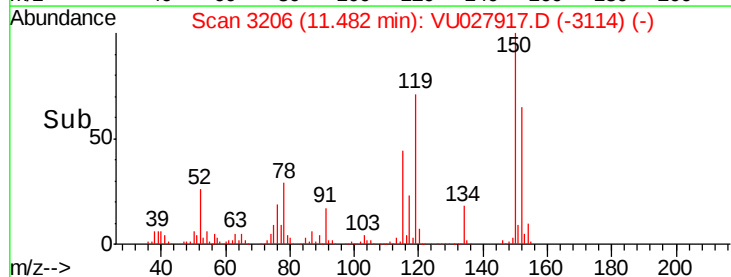
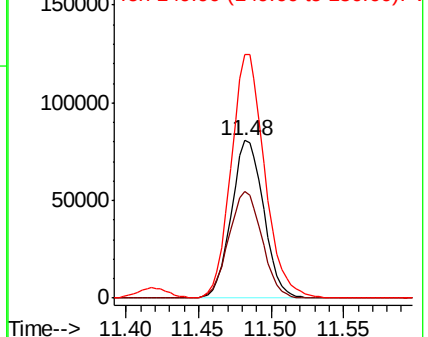
152 100

115 69.9 43.0 129.0

150 160.5 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: 19.489 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion: 105 Resp: 188054

Ion Ratio Lower Upper

105 100

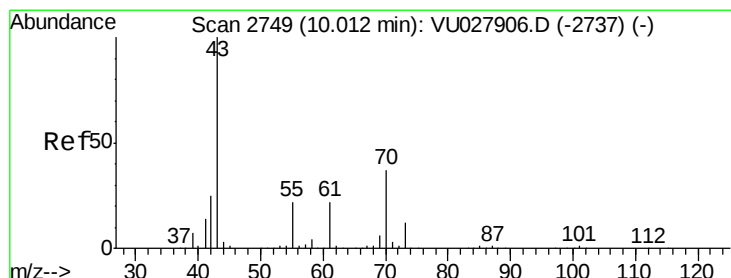
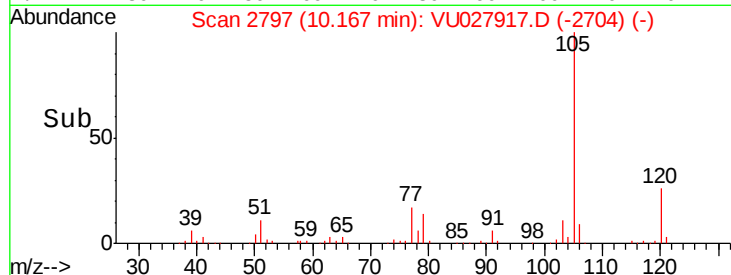
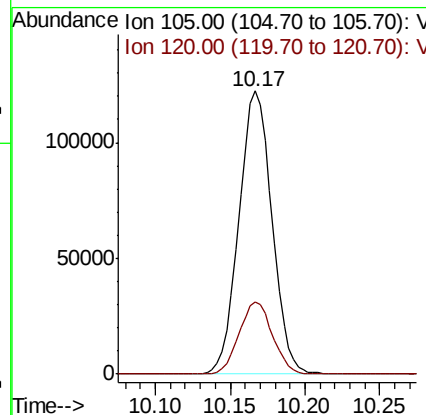
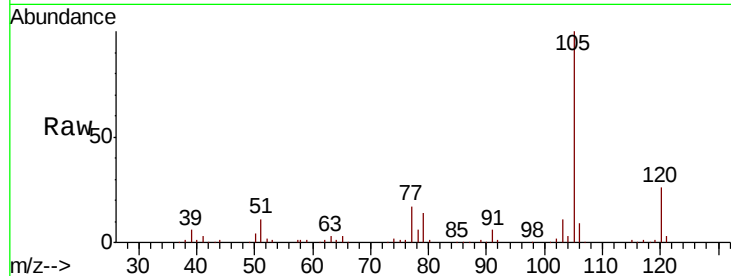
120 25.8 12.7 38.0

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#74

N-ethyl acetate

Concen: 21.097 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion: 43 Resp: 123098

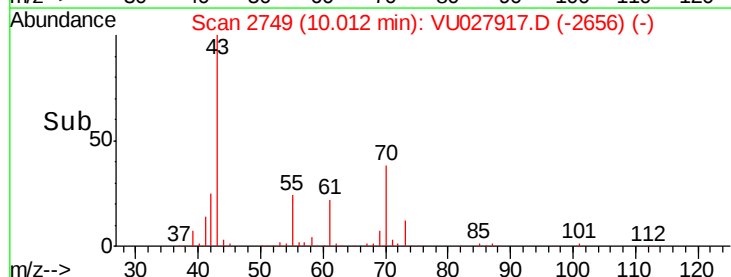
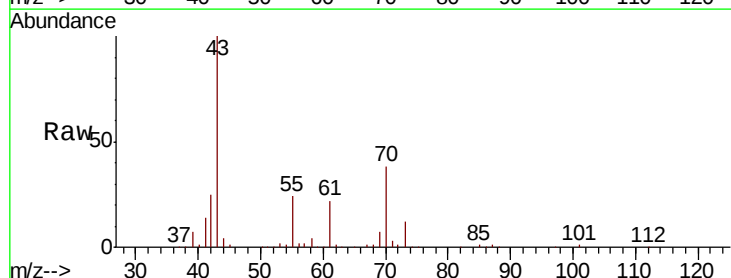
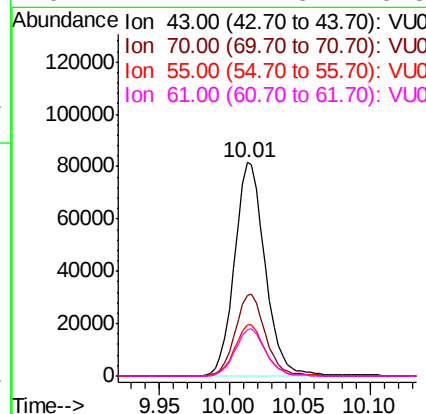
Ion Ratio Lower Upper

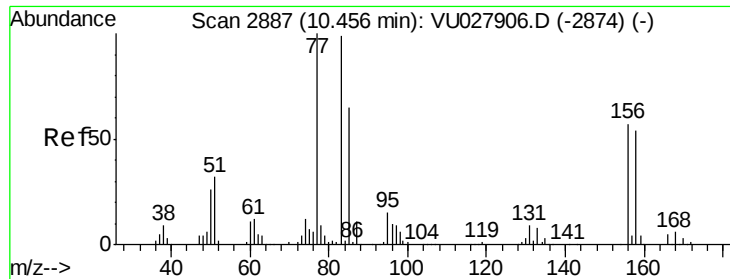
43 100

70 38.0 29.2 43.8

55 24.0 17.8 26.6

61 22.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.438 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

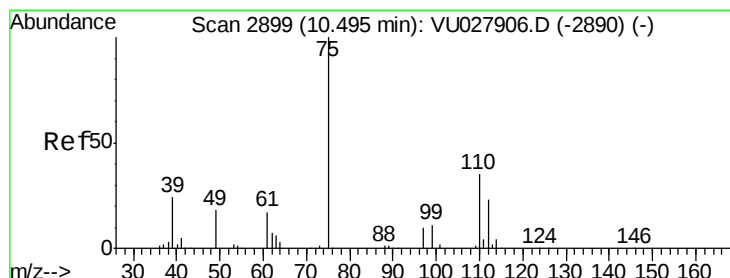
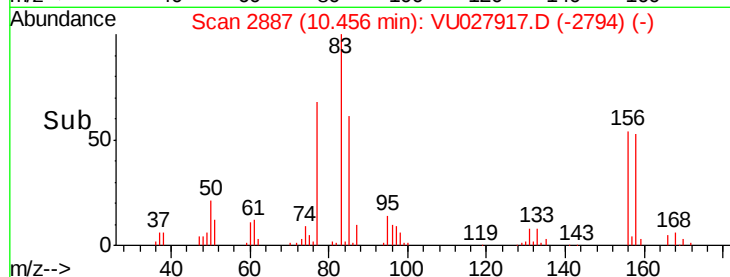
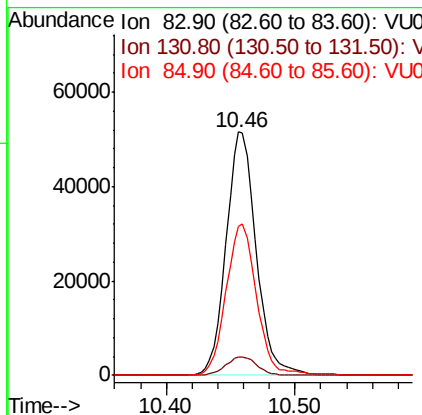
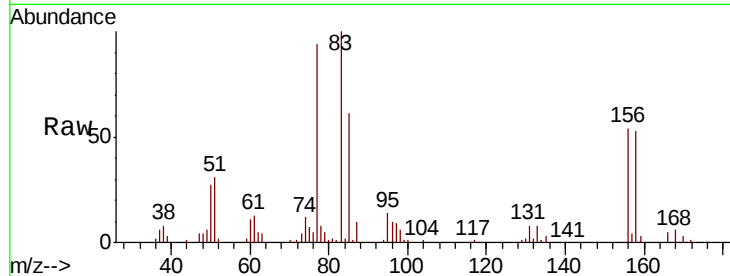
ClientSampleId :

VU1102WBSD01

Tot Ion:	83	Resp:	83440
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.3	13.1
85	63.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.135 ug/l m

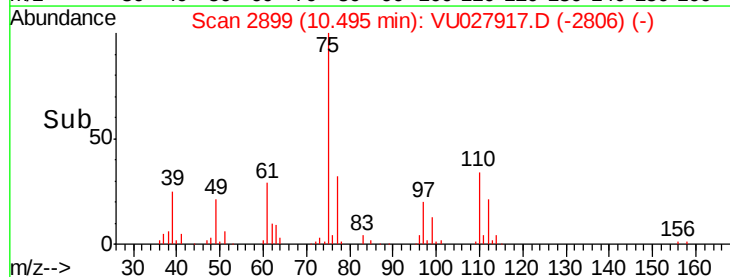
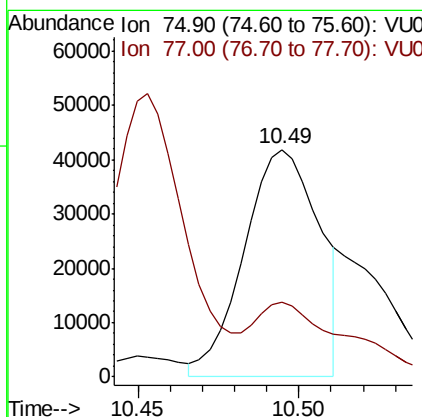
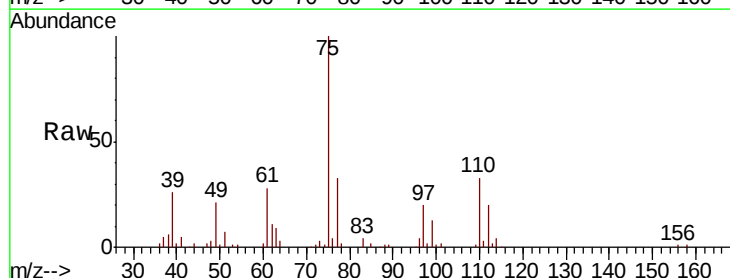
RT: 10.49 min Scan# 2899

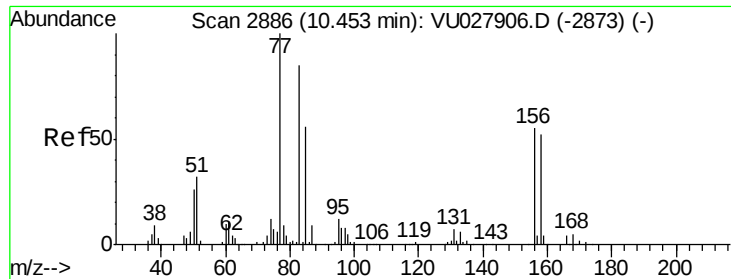
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	75	Resp:	68600
Ion Ratio	Lower	Upper	
75	100		
77	40.1	21.6	64.6





#77

Bromobenzene

Concen: 21.009 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

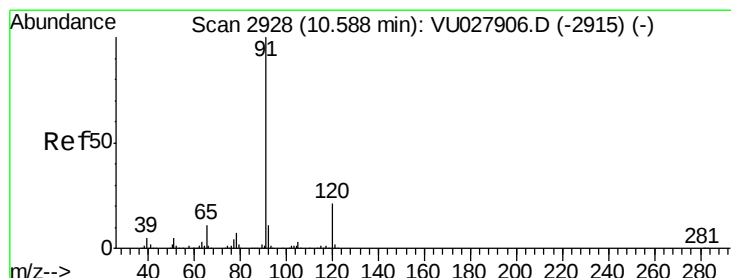
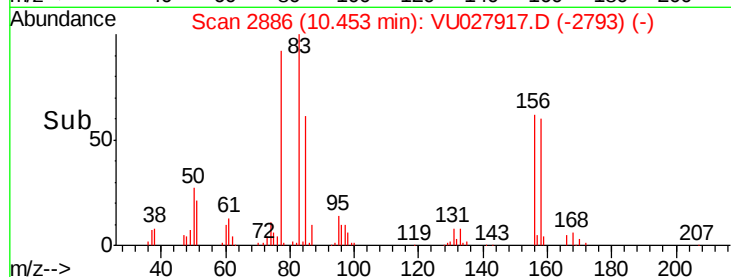
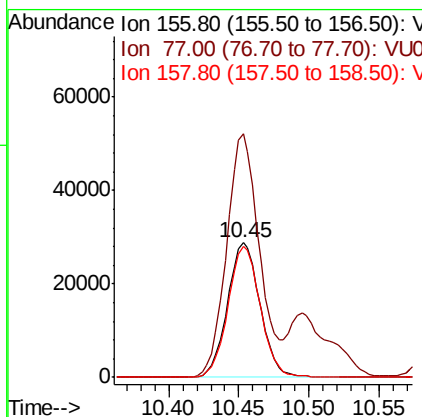
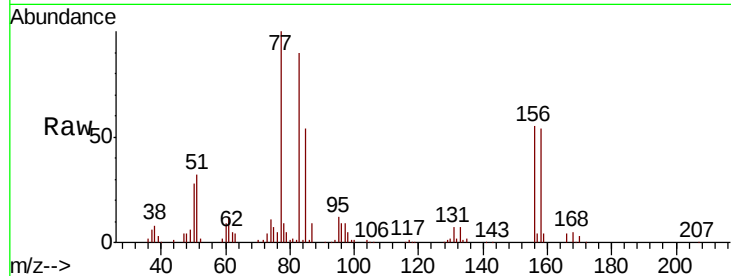
ClientSampleId :

VU1102WBSD01

Tot Ion:	156	Resp:	46485
Ion Ratio	Lower	Upper	
156	100		
77	181.2	91.8	275.6
158	96.8	48.4	145.2

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#78

n-propylbenzene

Concen: 19.357 ug/l

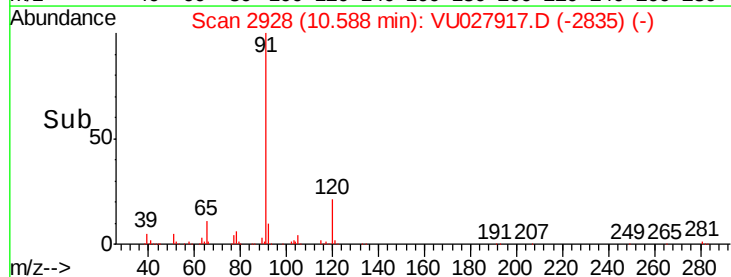
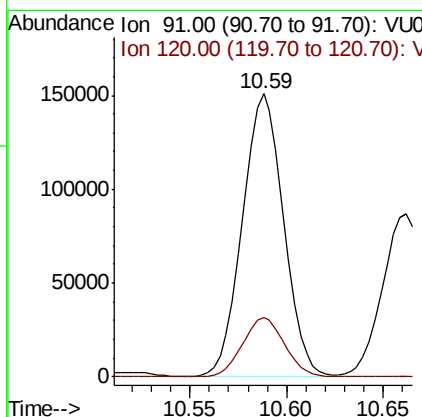
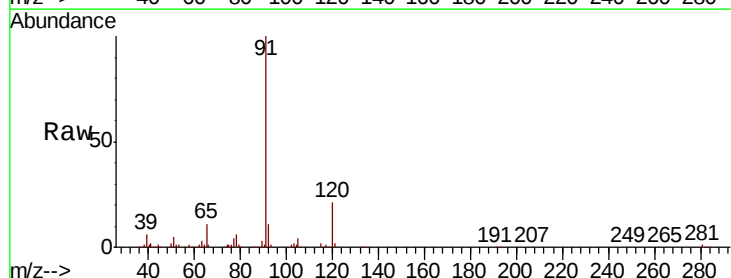
RT: 10.59 min Scan# 2928

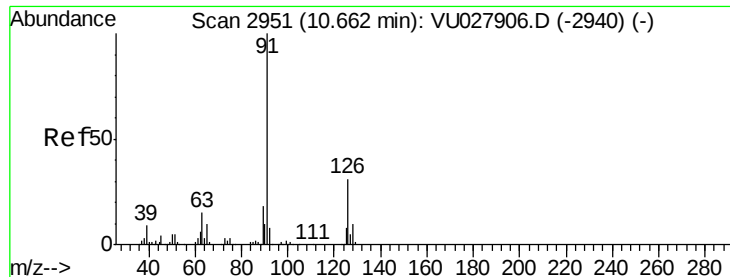
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	91	Resp:	223577
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.6	31.8





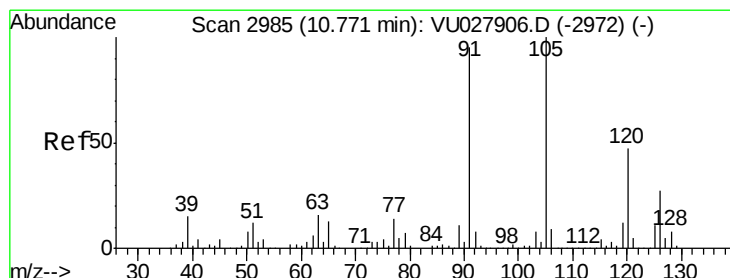
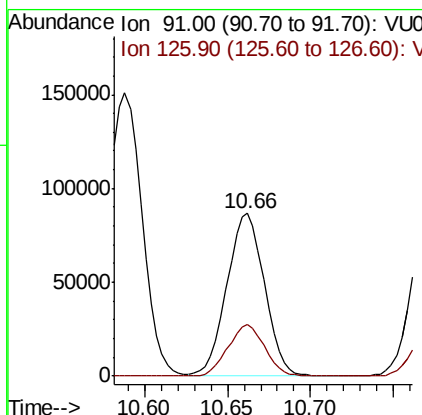
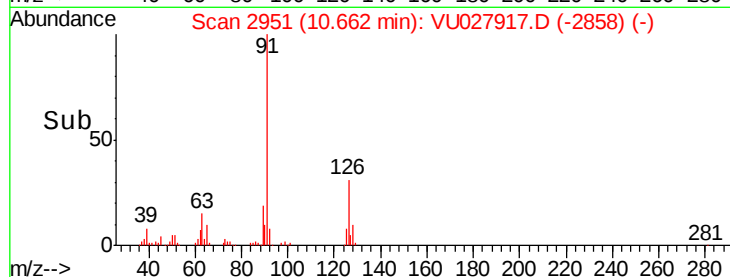
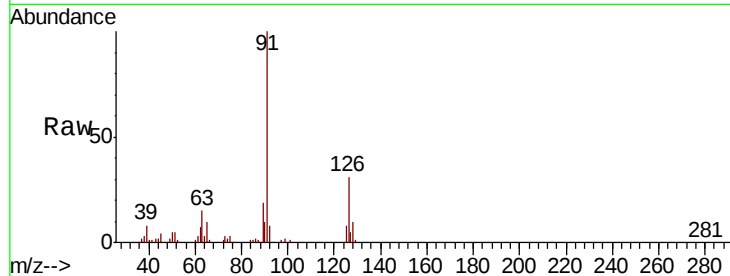
#79
 2-Chlorotoluene
 Concen: 19.679 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion: 91 Resp: 136241
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.0 47.9

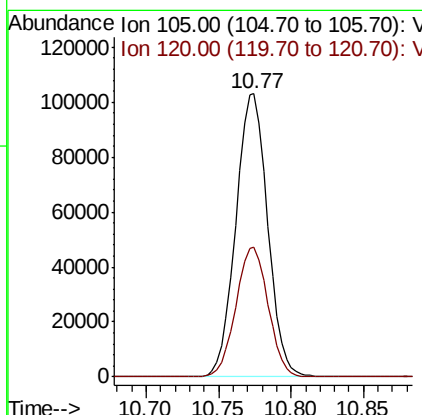
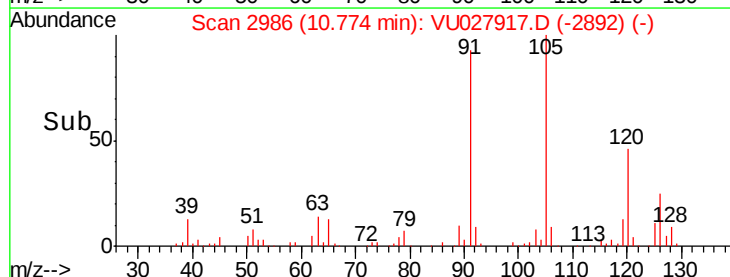
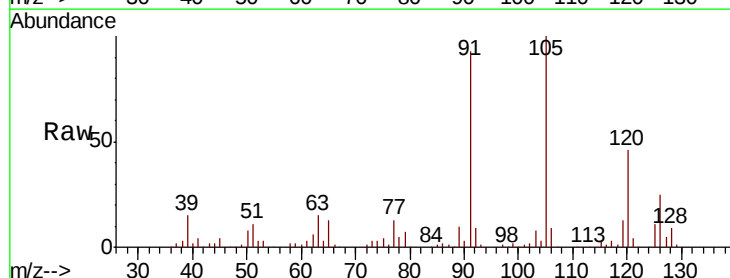
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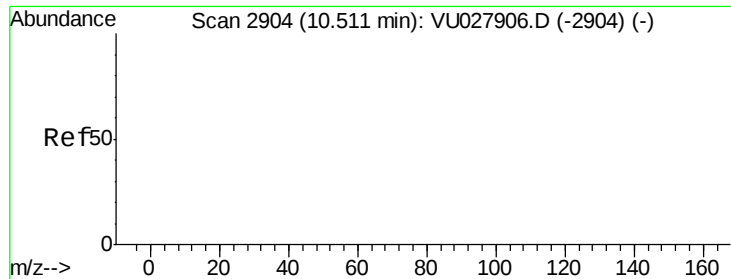
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.652 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 105 Resp: 157088
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.9





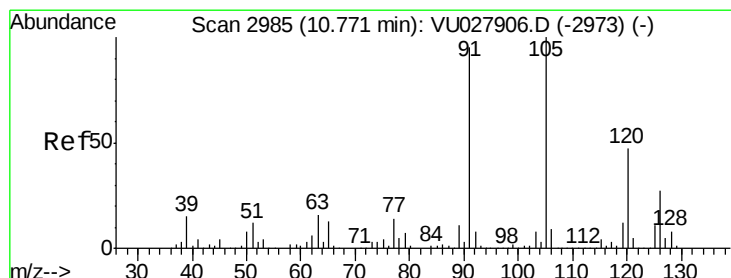
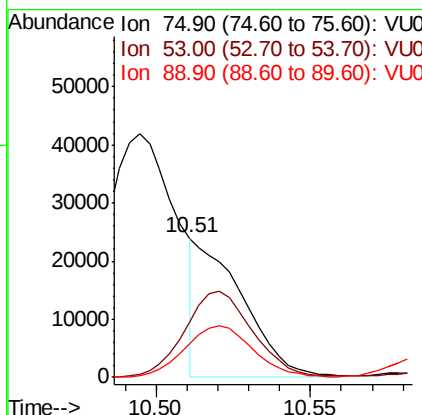
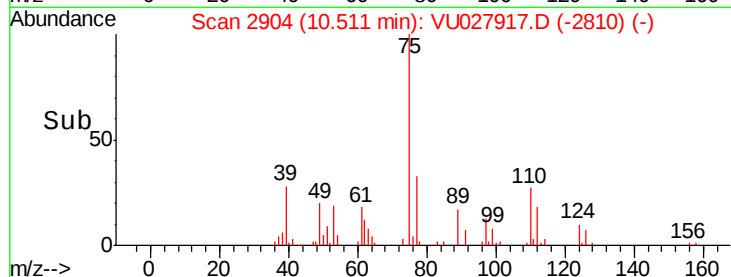
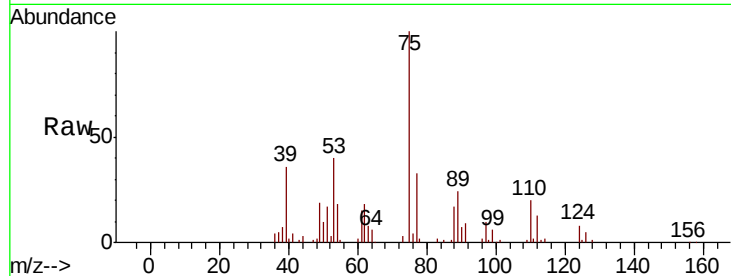
#81
trans-1,4-Dichloro-2-butene
Concen: 18.905 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

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

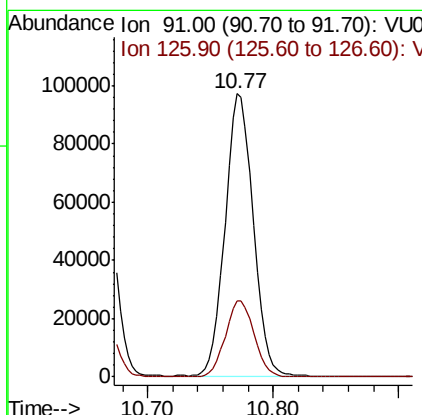
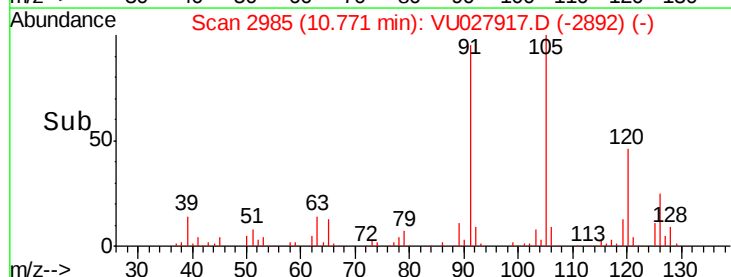
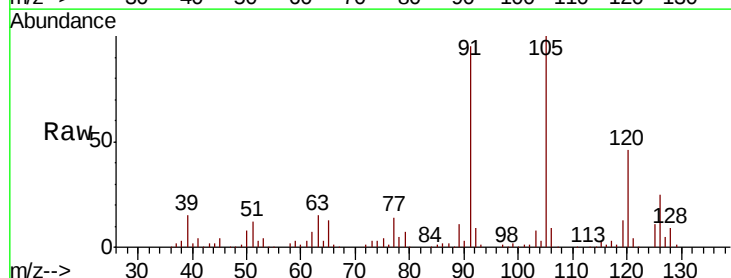
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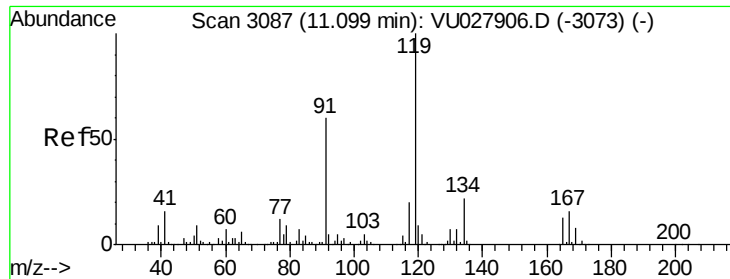
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#82
4-Chlorotoluene
Concen: 19.227 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.2	42.6





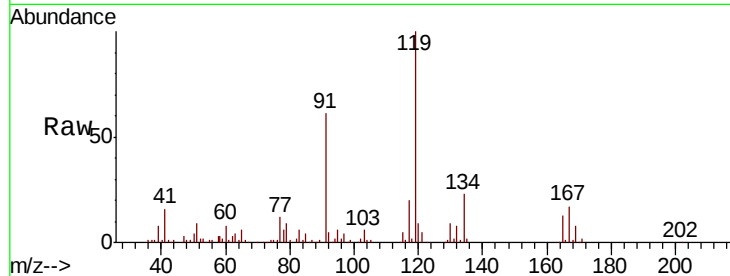
#83
tert-Butylbenzene
Concen: 19.137 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

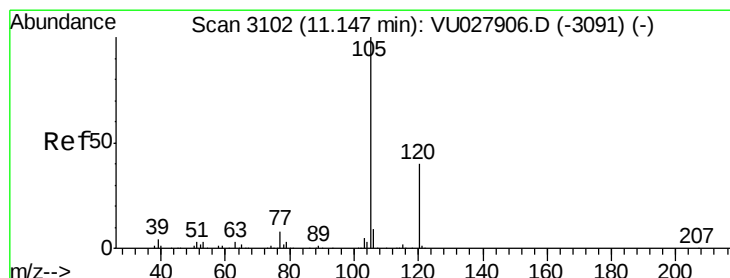
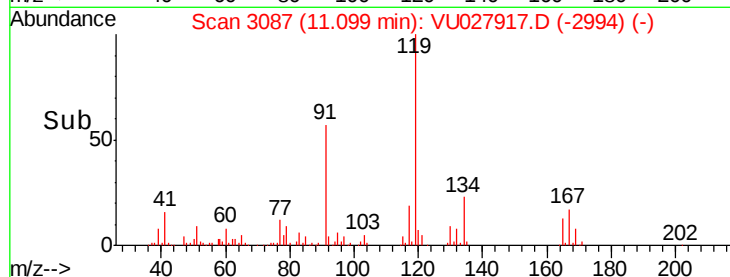
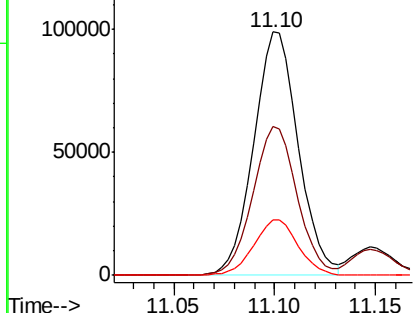
Tot Ion	Ratio	Resp	Lower	Upper
119	100	152922		
91	60.6	29.8	89.3	
134	22.7	11.1	33.1	

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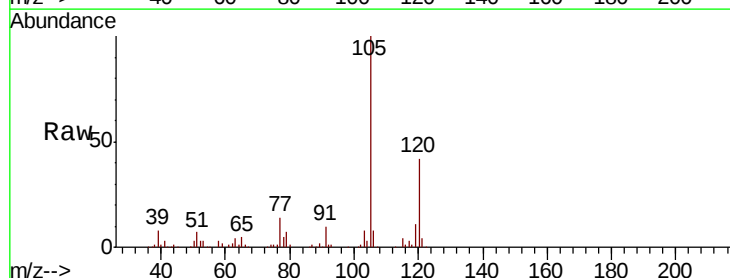


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

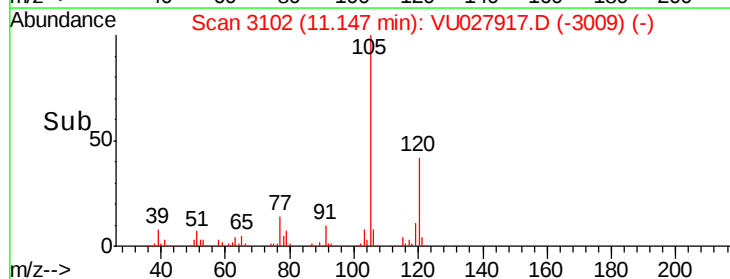
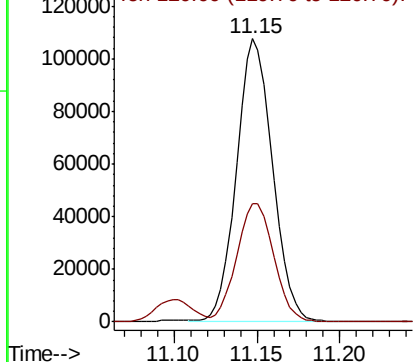


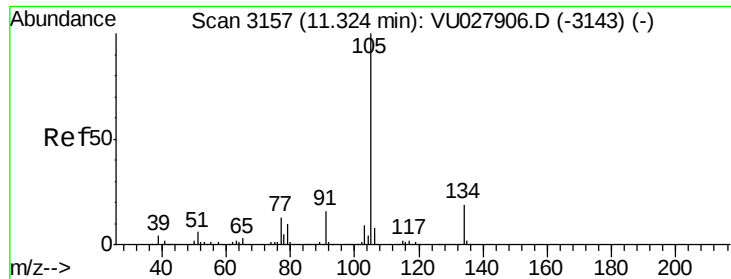
#84
1,2,4-Trimethylbenzene
Concen: 20.039 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161293		
120	43.5	22.1	66.1	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.213 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

Tot Ion:105 Resp: 186714

Ion Ratio Lower Upper

105 100

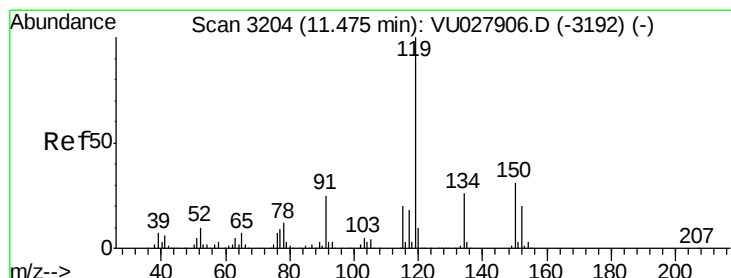
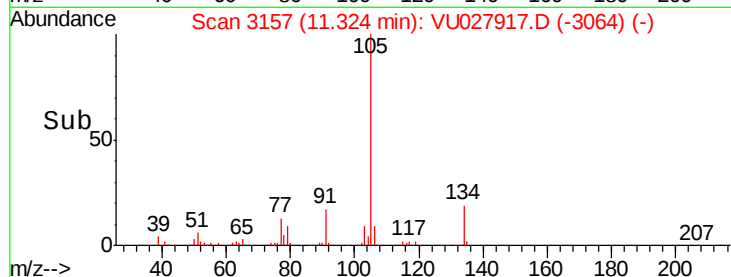
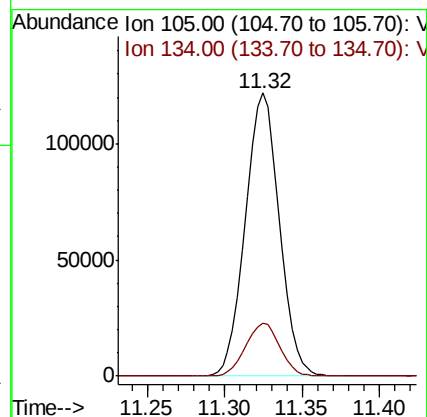
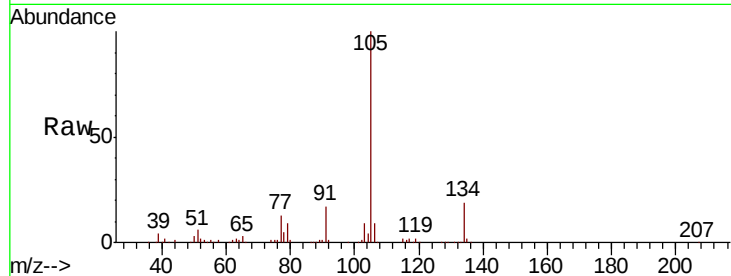
134 18.7 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 19.372 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

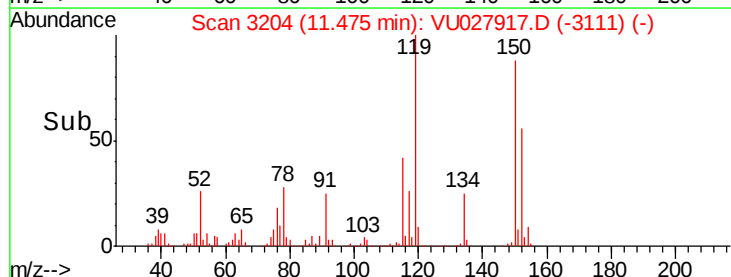
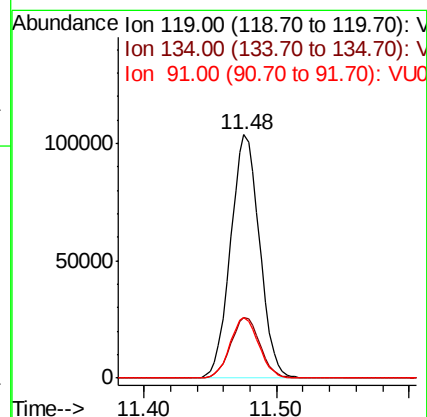
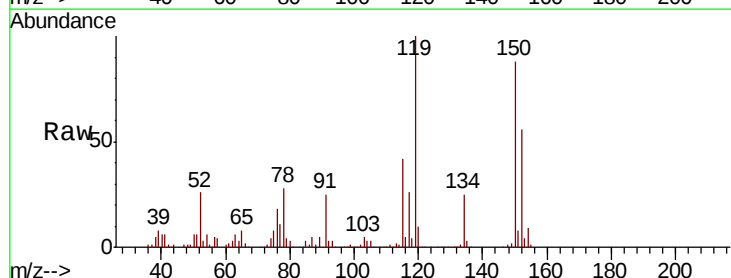
Tgt Ion:119 Resp: 157387

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

91 24.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.822 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

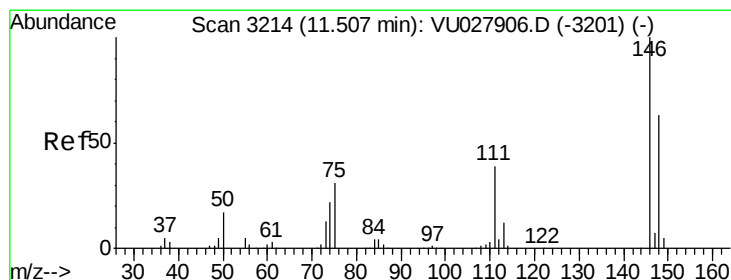
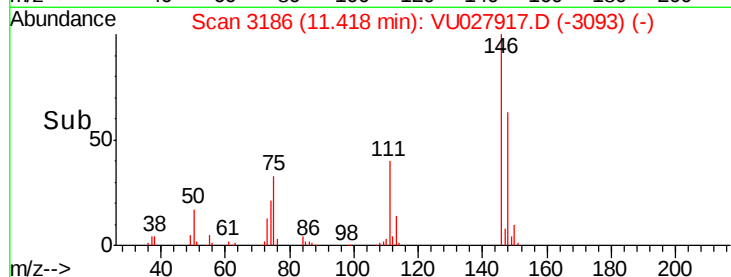
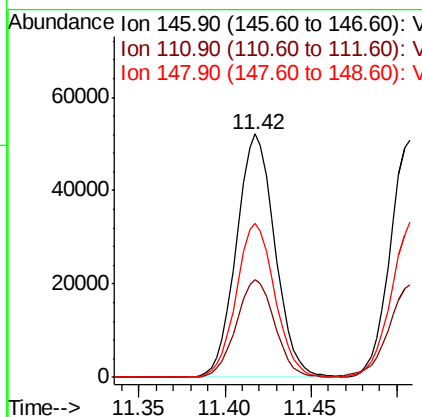
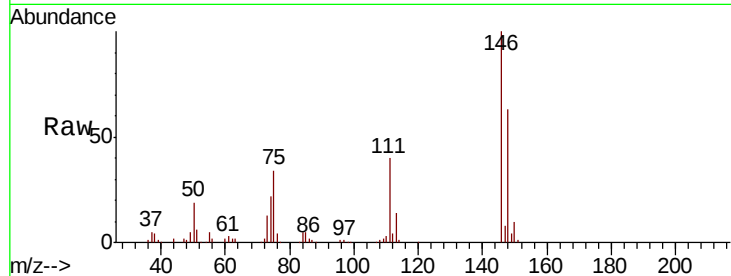
ClientSampled :

VU1102WBSD01

Tot Ion:	146	Resp:	81018
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	61.0
148	63.3	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.152 ug/l

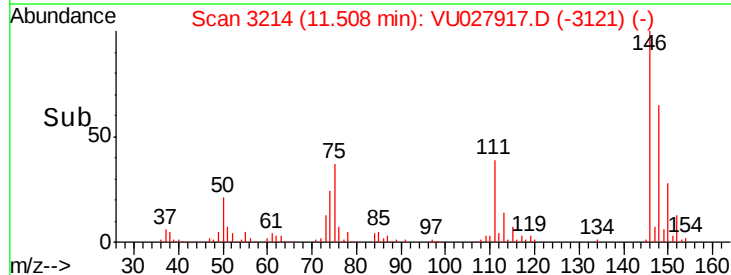
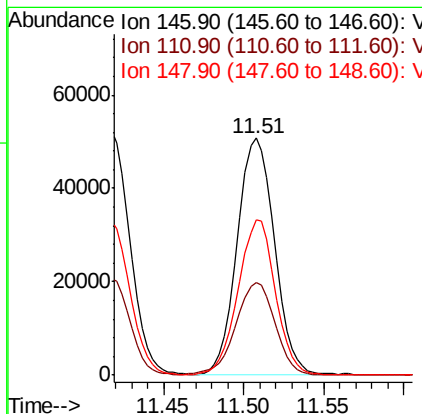
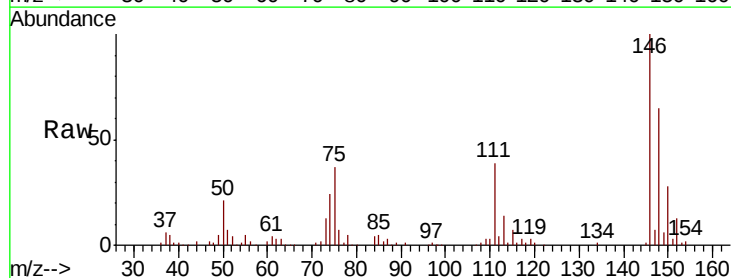
RT: 11.51 min Scan# 3214

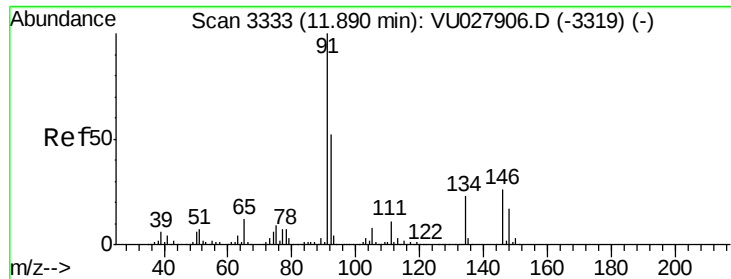
Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	146	Resp:	80233
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	60.9
148	65.9	32.0	96.2





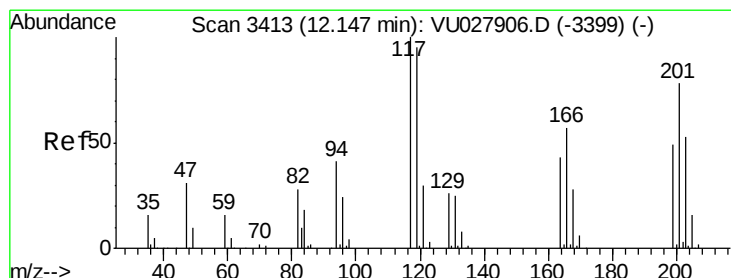
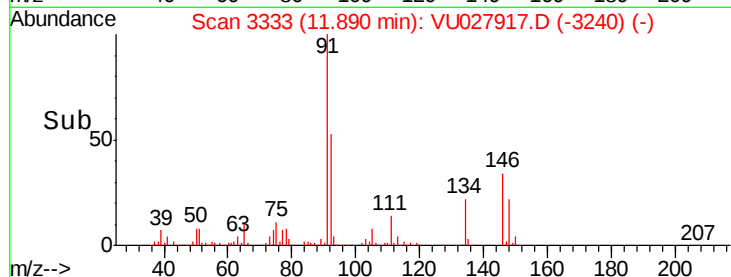
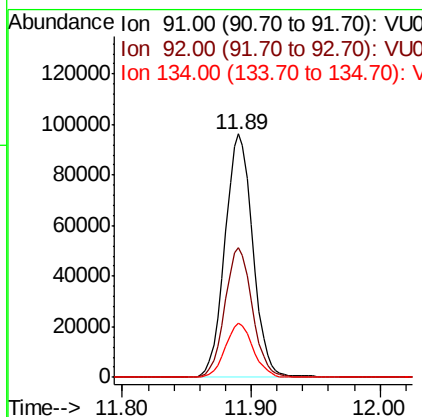
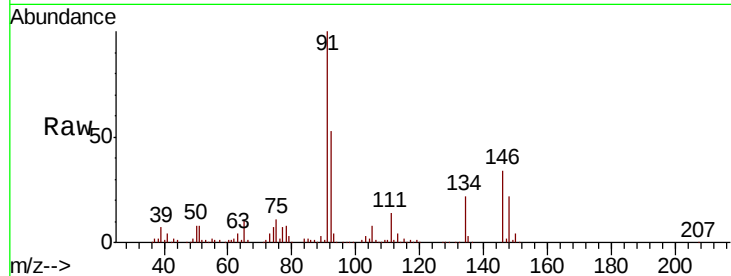
#89
n-Butylbenzene
Concen: 18.633 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	22.2	11.5	34.5

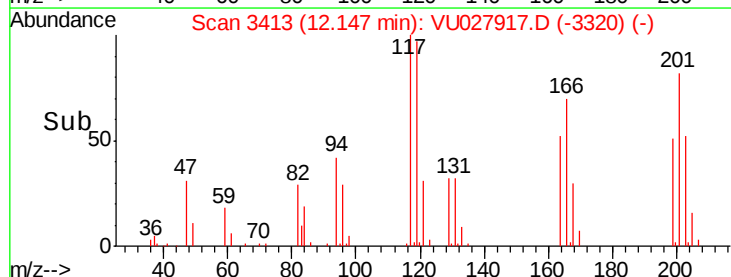
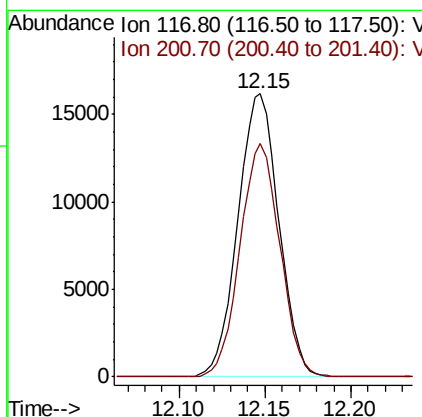
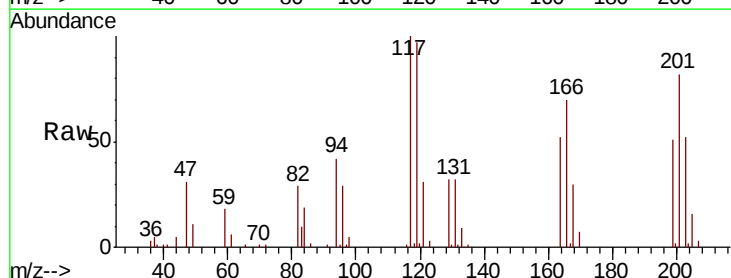
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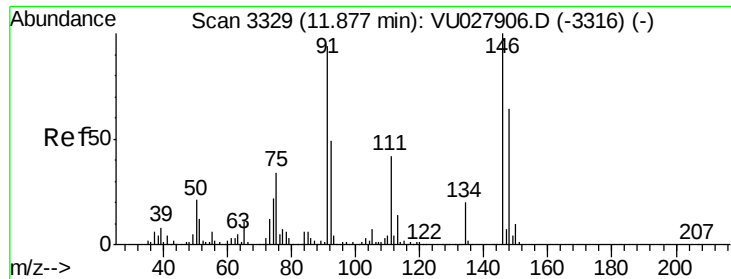
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#90
Hexachloroethane
Concen: 18.519 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	38.5	115.5





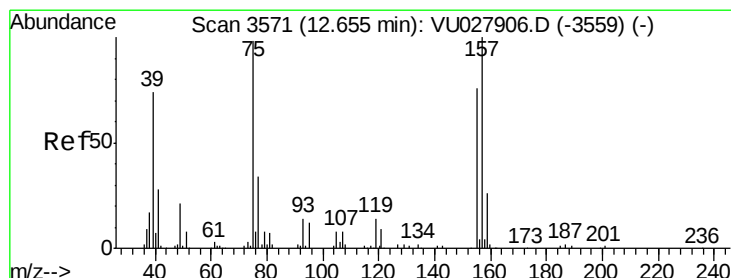
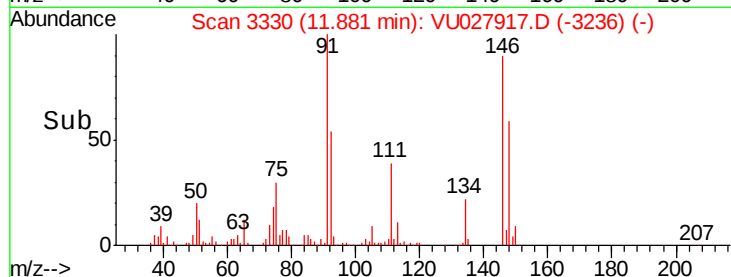
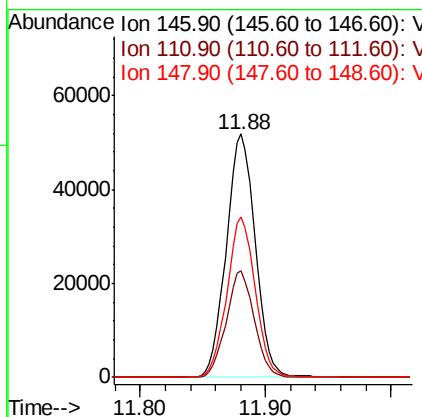
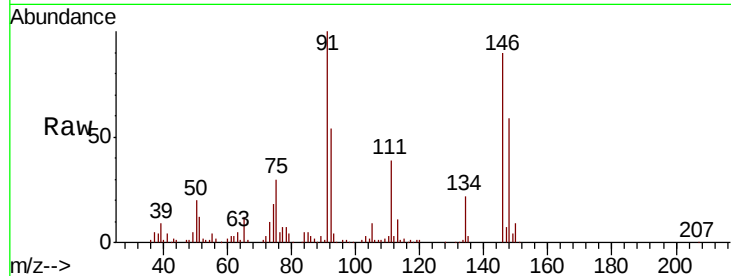
#91
1,2-Dichlorobenzene
Concen: 20.198 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	64.4	31.8	95.3

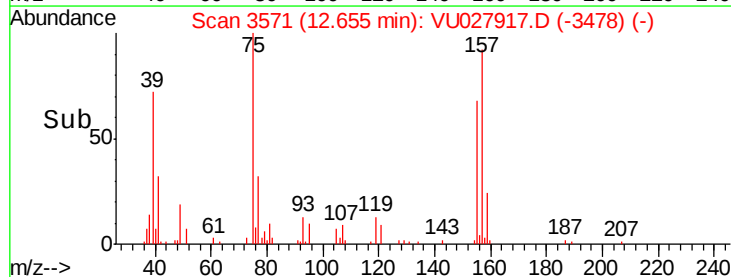
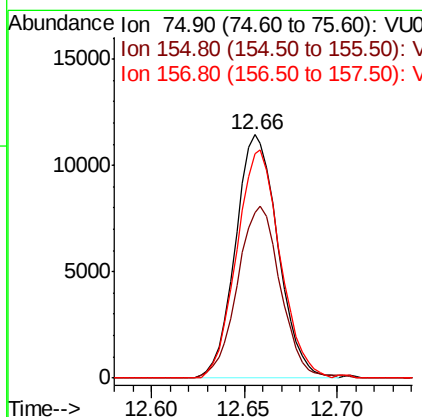
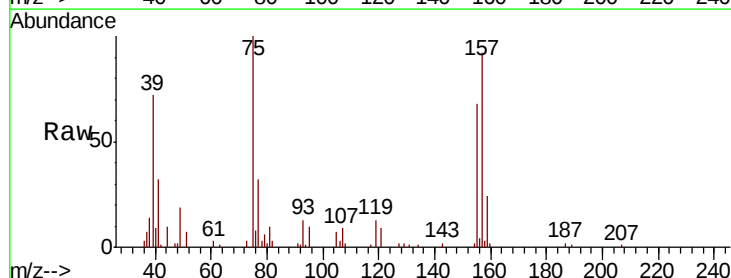
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#92
1,2-Dibromo-3-Chloropropane
Concen: 22.241 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.4	39.8	119.3
157	95.3	50.6	151.9





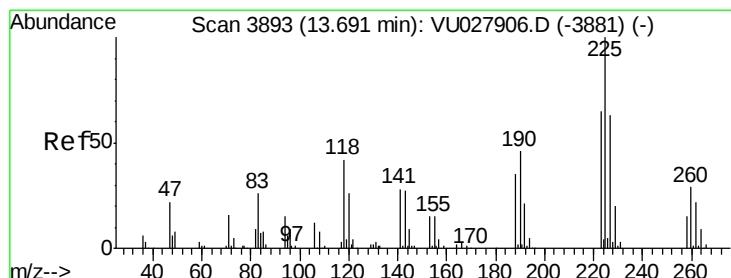
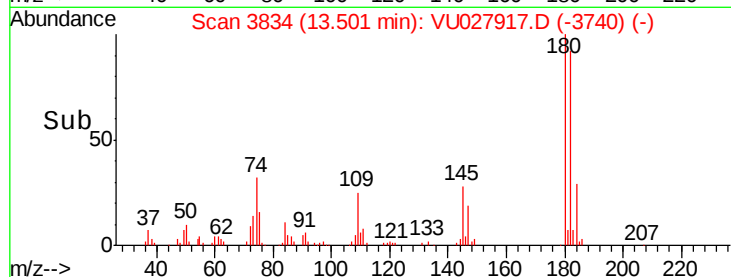
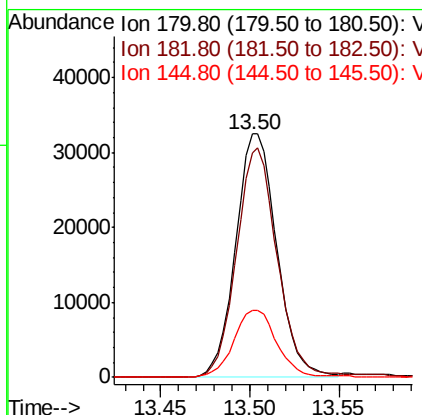
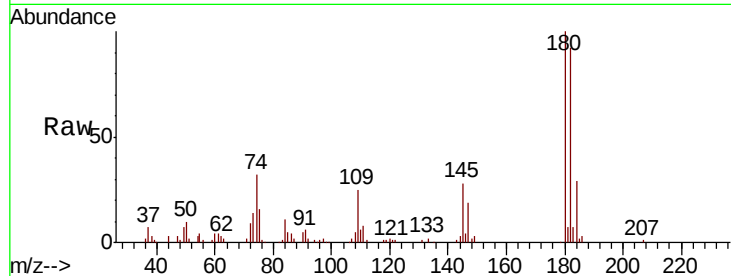
#93
 1,2,4-Trichlorobenzene
 Concen: 18.613 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.4	145.2
145	28.8	14.9	44.5

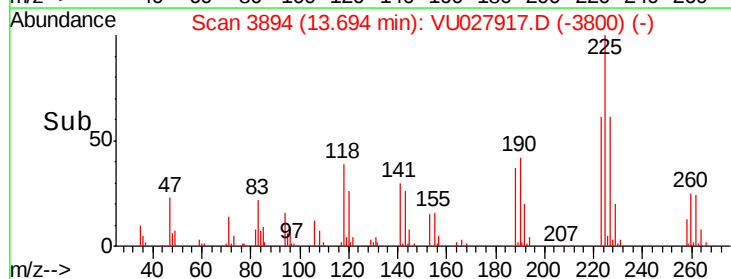
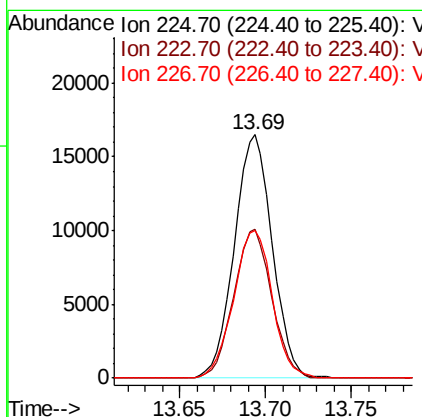
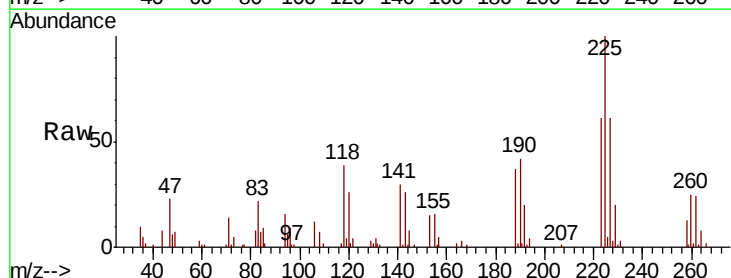
Manual Integrations
 APPROVED

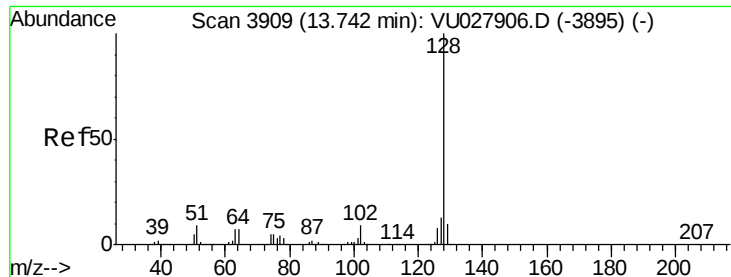
MMDadoda
 11/5/2018 11:29:47 AM



#94
 Hexachlorobutadiene
 Concen: 19.306 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.2	96.6
227	61.7	32.5	97.4





#95

Naphthalene

Concen: 20.081 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

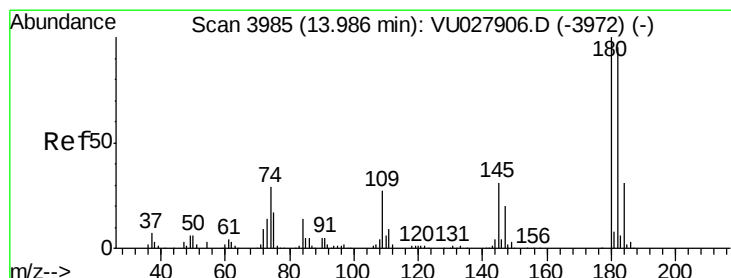
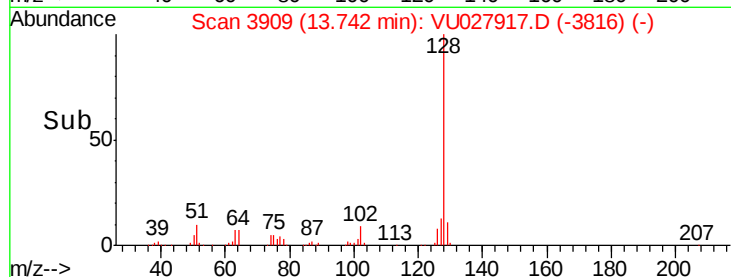
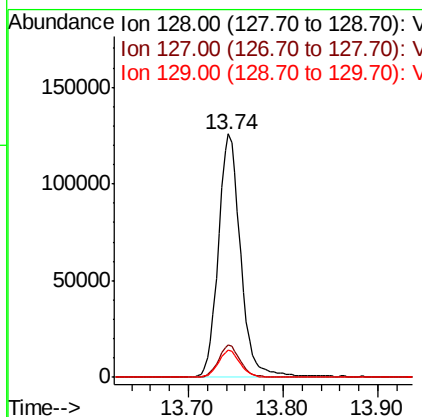
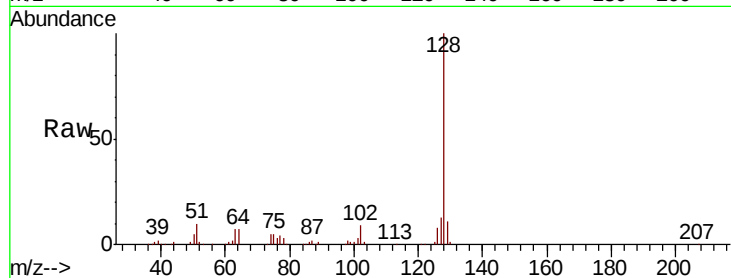
ClientSampleId :

VU1102WBSD01

Tot Ion:	128	Resp:	206272
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:29:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.790 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion:	180	Resp:	57340
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.3
145	31.6	16.0	47.9

