

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110718\
 Data File : VU027993.D
 Acq On : 07 Nov 2018 10:06
 Operator : MD/SY
 Sample : VU1107WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:11:02 AM

Quant Time: Nov 07 14:28:55 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	4.98	168	210153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	351504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	322698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	152448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	144100	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
35) Dibromofluoromethane	4.88	113	111465	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	7.57	98	417045	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.31	95	156936	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	41482	15.534	ug/l	98
3) Chloromethane	1.33	50	56810	17.591	ug/l	97
4) Vinyl Chloride	1.40	62	55885	17.435	ug/l	98
5) Bromomethane	1.62	94	26122	22.141	ug/l	97
6) Chloroethane	1.70	64	34480	18.666	ug/l	99
7) Trichlorofluoromethane	1.89	101	69806	18.846	ug/l	100
8) Diethyl Ether	2.11	74	30377	19.154	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41668	18.937	ug/l	98
10) Methyl Iodide	2.41	142	28818	19.807	ug/l	99
11) Tert butyl alcohol	2.82	59	69158	83.610	ug/l	99
12) 1,1-Dichloroethene	2.29	96	37773	17.150	ug/l	96
13) Acrolein	2.20	56	31126	98.175	ug/l	98
14) Allyl chloride	2.59	41	92209	17.130	ug/l	97
15) Acrylonitrile	2.94	53	186505	91.792	ug/l	99
16) Acetone	2.32	43	179407	92.548	ug/l	99
17) Carbon Disulfide	2.48	76	118353	16.440	ug/l	99
18) Methyl Acetate	2.62	43	94287	17.681	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	165202	18.599	ug/l	98
20) Methylene Chloride	2.70	84	51693	18.264	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	44314	17.434	ug/l	97
22) Diisopropyl ether	3.57	45	206181	18.552	ug/l	96
23) Vinyl Acetate	3.53	43	880147	92.150	ug/l	100
24) 1,1-Dichloroethane	3.45	63	99851	18.038	ug/l	99
25) 2-Butanone	4.26	43	279943	90.772	ug/l	99
26) 2,2-Dichloropropane	4.23	77	78511	18.899	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	55092	19.328	ug/l	97
28) Bromochloromethane	4.55	49	51755	19.943	ug/l	100
29) Tetrahydrofuran	4.64	42	176296	85.609	ug/l	98
30) Chloroform	4.67	83	93212	18.365	ug/l	98
31) Cyclohexane	5.00	56	99421	17.193	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	75686	18.733	ug/l	99
36) 1,1-Dichloropropene	5.14	75	69019	18.748	ug/l	100
37) Ethyl Acetate	4.38	43	96687	17.925	ug/l	98
38) Carbon Tetrachloride	5.14	117	60438	18.525	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	86320	19.440	ug/l	99
40) Benzene	5.39	78	213977	19.011	ug/l	99
41) Methacrylonitrile	4.55	41	55528	19.289	ug/l	99
42) 1,2-Dichloroethane	5.41	62	74984	18.742	ug/l	99
43) Isopropyl Acetate	5.55	43	157571	18.645	ug/l	99
44) Trichloroethene	6.19	130	46273	19.126	ug/l	98
45) 1,2-Dichloropropane	6.43	63	62661	19.304	ug/l	98
46) Dibromomethane	6.56	93	35698	19.132	ug/l	96
47) Bromodichloromethane	6.76	83	67646	18.813	ug/l	99
48) Methyl methacrylate	6.62	41	77393	18.688	ug/l	97
49) 1,4-Dioxane	6.61	88	26903	398.174	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	509431	90.263	ug/l	99
52) Toluene	7.64	92	124401	18.800	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	79264	18.497	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	87814	19.811	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	52945	19.667	ug/l	99
56) Ethyl methacrylate	8.02	69	91873	19.352	ug/l	99
57) 1,3-Dichloropropane	8.24	76	94770	19.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	241713	95.063	ug/l	100
59) 2-Hexanone	8.36	43	400995	91.864	ug/l	99
60) Dibromochloromethane	8.48	129	50899	19.980	ug/l	97
61) 1,2-Dibromoethane	8.59	107	54420	19.024	ug/l	97
64) Tetrachloroethene	8.23	164	38272	18.290	ug/l	98
65) Chlorobenzene	9.12	112	130412	19.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	45821	19.677	ug/l	99
67) Ethyl Benzene	9.25	91	244520	19.485	ug/l	100
68) m/p-Xylenes	9.38	106	177848	39.058	ug/l	100
69) o-Xylene	9.78	106	87855	19.107	ug/l	99
70) Styrene	9.79	104	141473	19.257	ug/l	99
71) Bromoform	9.96	173	37157	19.039	ug/l #	99
73) Isopropylbenzene	10.17	105	235258	19.920	ug/l	99
74) N-amyl acetate	10.01	43	137314	19.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	92023	19.317	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	91216m	21.875	ug/l	
77) Bromobenzene	10.45	156	54021	19.948	ug/l	99
78) n-propylbenzene	10.59	91	280769	19.861	ug/l	99
79) 2-Chlorotoluene	10.66	91	165311	19.509	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	194878	19.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34483m	20.802	ug/l	
82) 4-Chlorotoluene	10.77	91	187159	19.456	ug/l	98
83) tert-Butylbenzene	11.10	119	192462	19.678	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	195328	19.827	ug/l	100
85) sec-Butylbenzene	11.32	105	241456	20.300	ug/l	100
86) p-Isopropyltoluene	11.48	119	204102	20.526	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	97348	19.460	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	98945	19.297	ug/l	98
89) n-Butylbenzene	11.89	91	188720	19.970	ug/l	100
90) Hexachloroethane	12.15	117	35471	20.036	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	100049	19.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19212	19.139	ug/l	96

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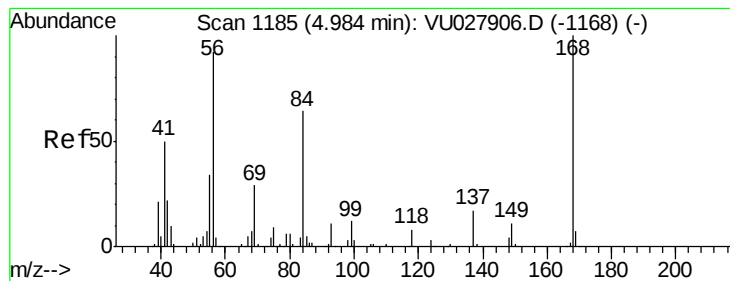
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	61760	17.950	ug/l	98
94) Hexachlorobutadiene	13.69	225	32612	20.397	ug/l	98
95) Naphthalene	13.74	128	224632	17.847	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	66959	19.835	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion:168 Resp: 210153

Ion Ratio Lower Upper

168 100

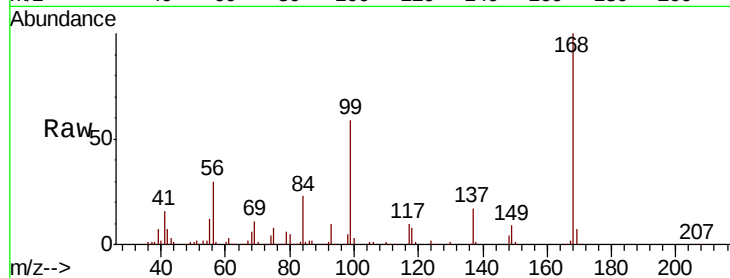
99 58.2 47.9 71.9

Manual Integrations

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

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

4.98

80000

60000

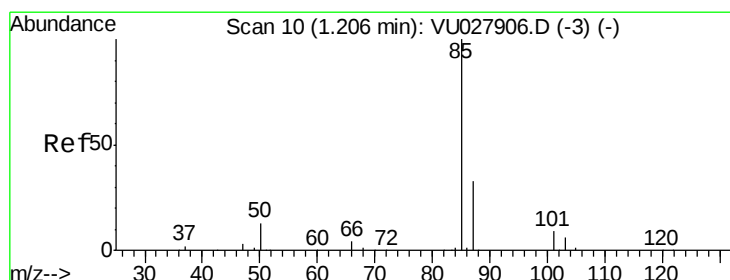
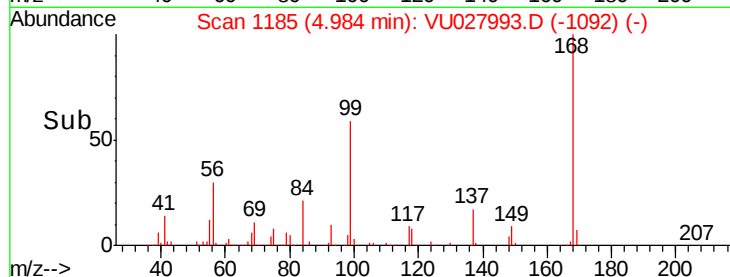
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.534 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027993.D

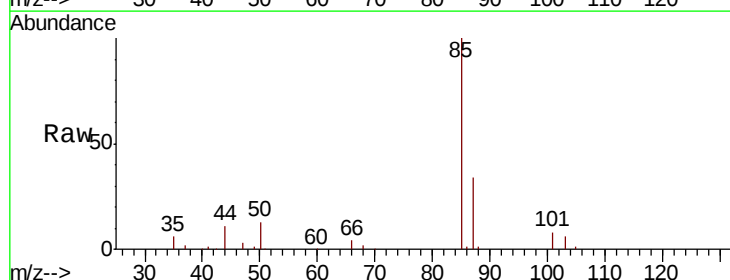
Acq: 07 Nov 2018 10:06

Tgt Ion: 85 Resp: 41482

Ion Ratio Lower Upper

85 100

87 33.9 16.5 49.5



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

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

1.21

40000

30000

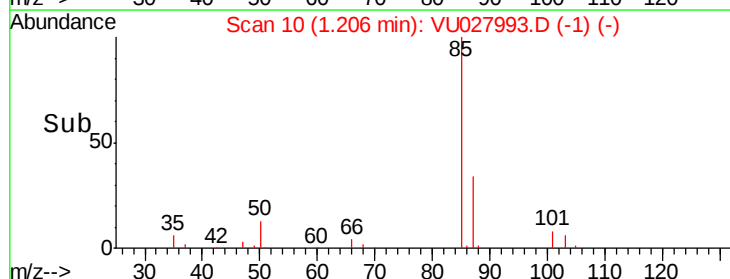
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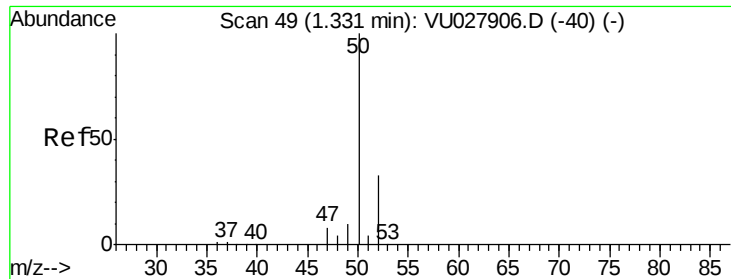
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.591 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 50 Resp: 56810

Ion Ratio Lower Upper

50 100

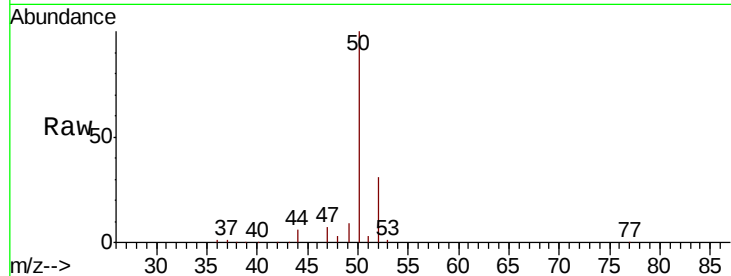
52 31.2 26.2 39.4

Manual Integrations

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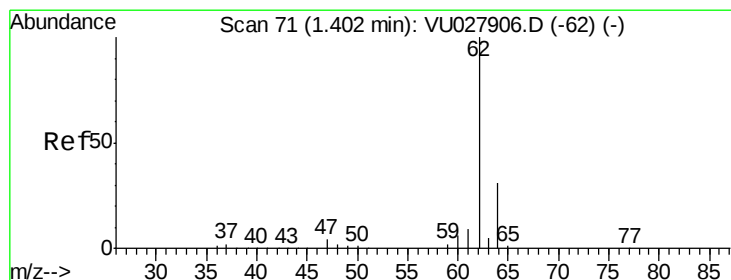
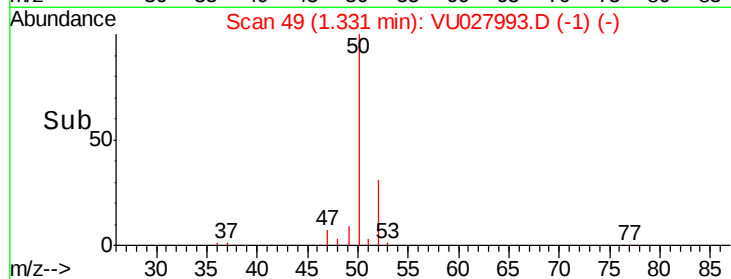
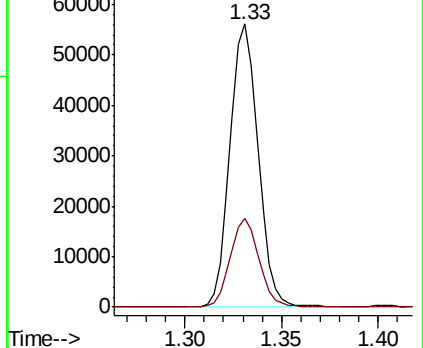
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.435 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027993.D

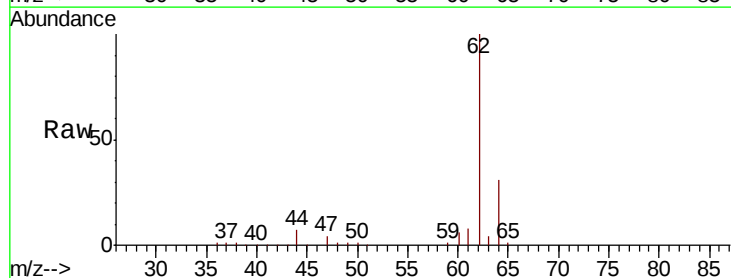
Acq: 07 Nov 2018 10:06

Tgt Ion: 62 Resp: 55885

Ion Ratio Lower Upper

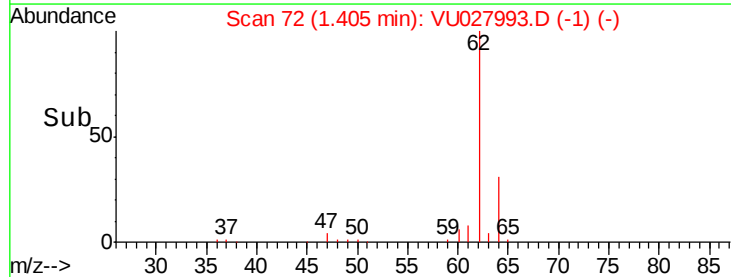
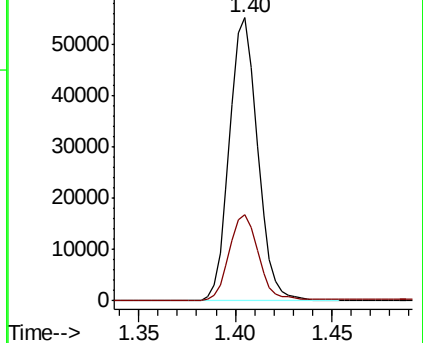
62 100

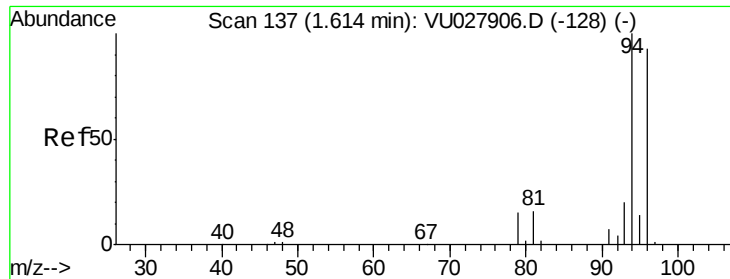
64 30.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.141 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 94 Resp: 26122

Ion Ratio Lower Upper

94 100

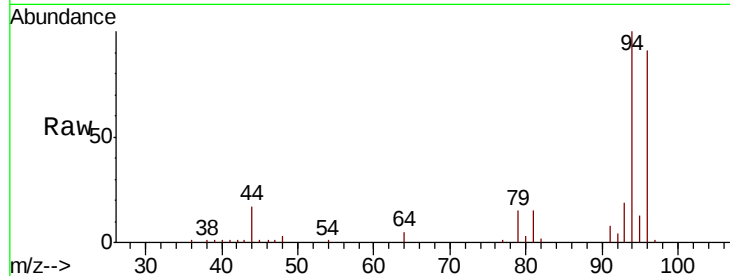
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Manual Integrations

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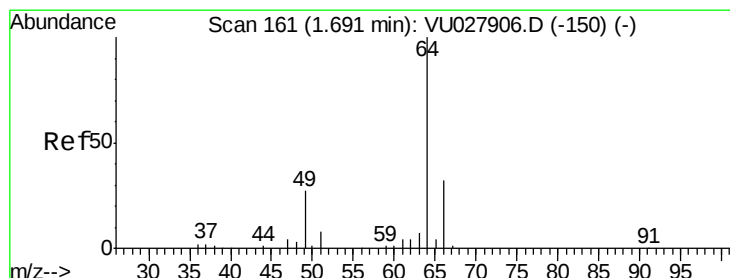
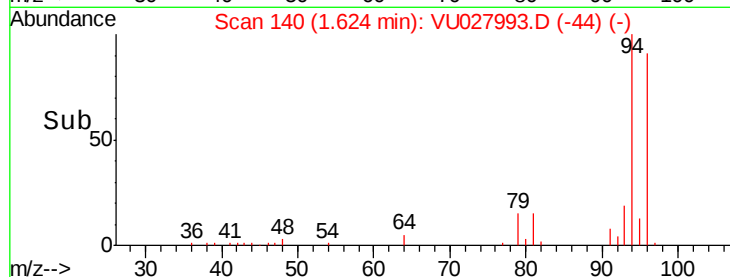
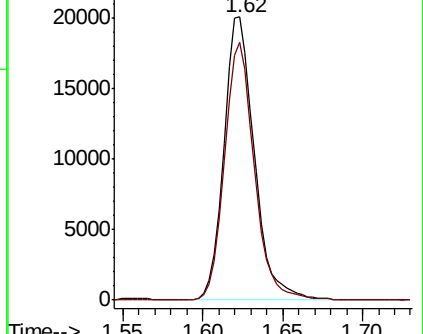
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.666 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027993.D

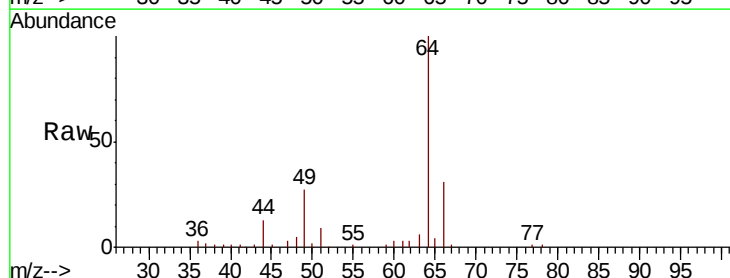
Acq: 07 Nov 2018 10:06

Tgt Ion: 64 Resp: 34480

Ion Ratio Lower Upper

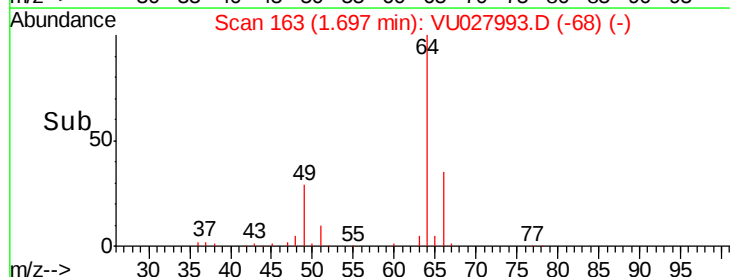
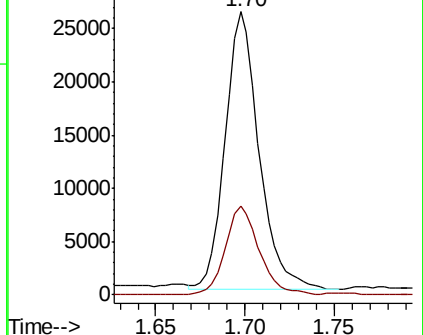
64 100

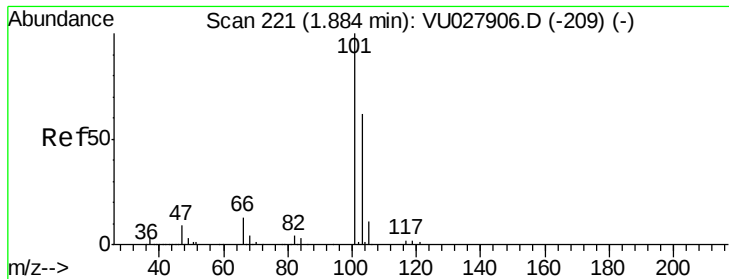
66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

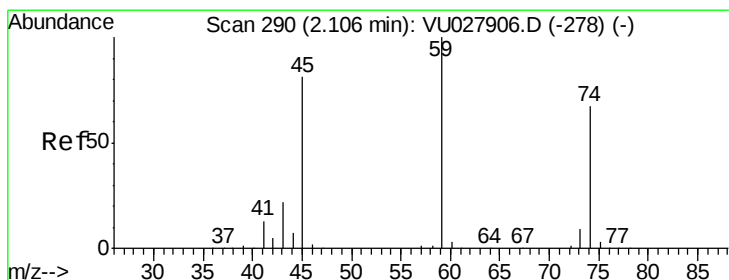
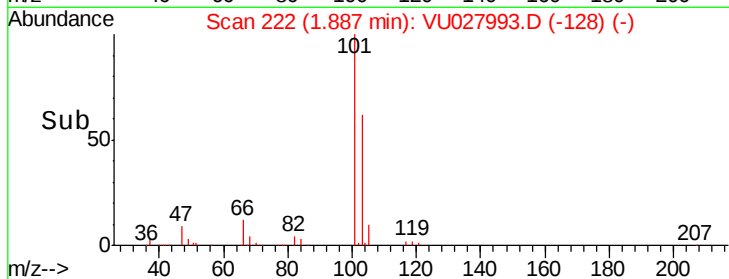
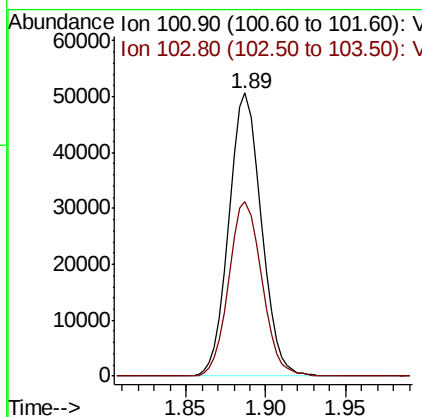
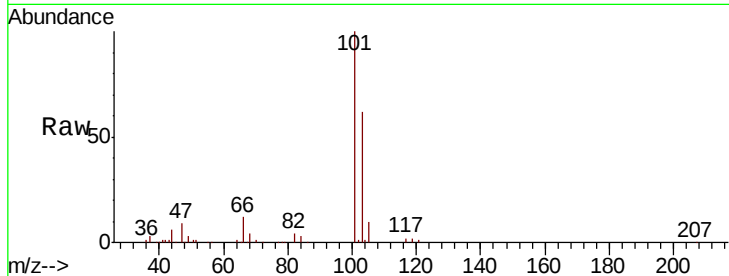
Trichlorofluoromethane
 Concen: 18.846 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
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 VU1107WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	49.4	74.2

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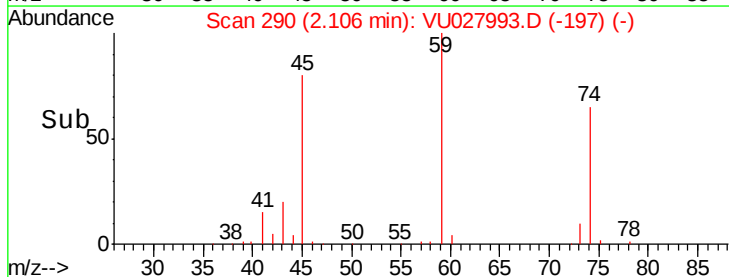
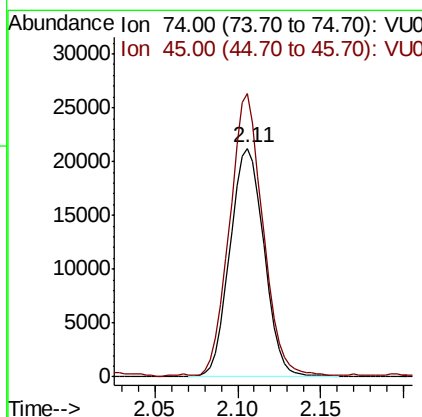
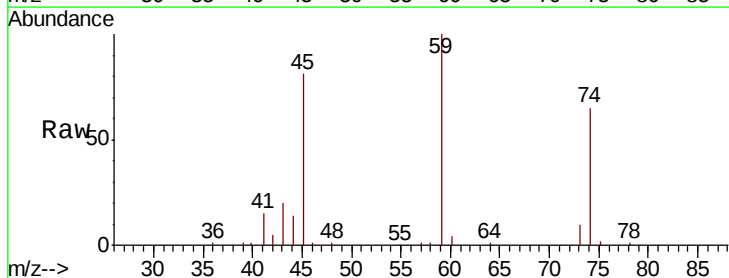
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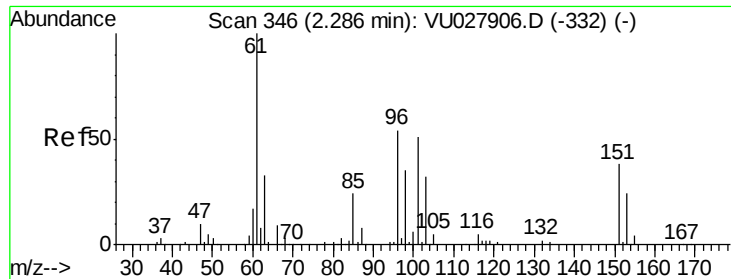


#8

Diethyl Ether
 Concen: 19.154 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.9	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.937 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027993.D

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Instrument :

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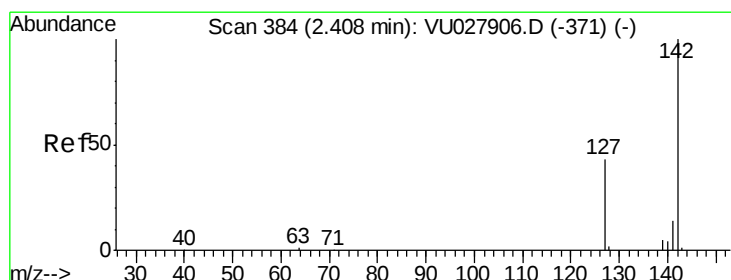
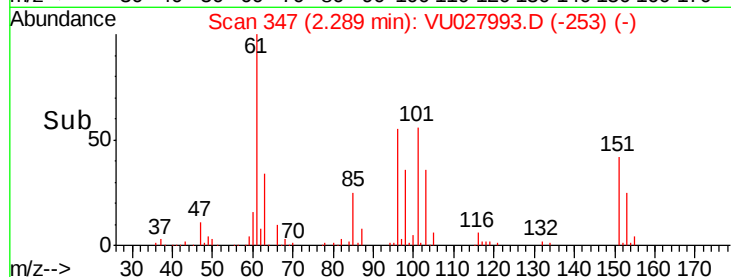
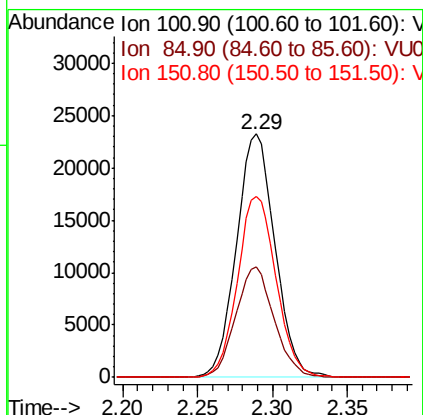
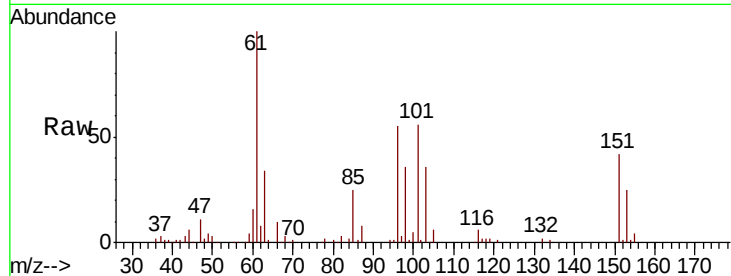
ClientSampleId :

VU1107WBS01

Tot Ion:	101	Resp:	41668
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.9	55.3
151	74.7	58.0	87.0

Manual Integrations
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11/8/2018 9:11:02 AM



#10

Methyl Iodide

Concen: 19.807 ug/l

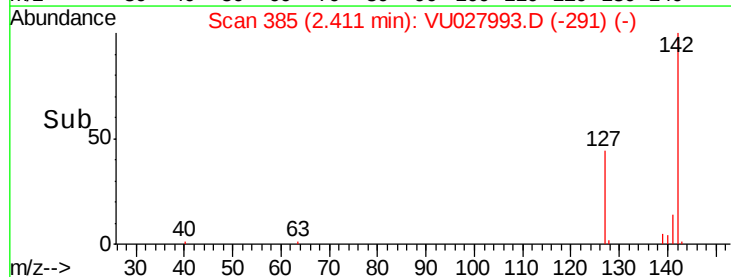
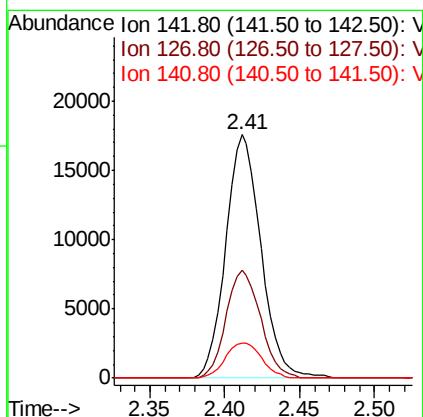
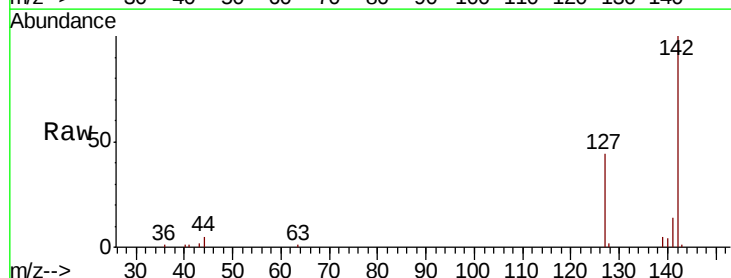
RT: 2.41 min Scan# 385

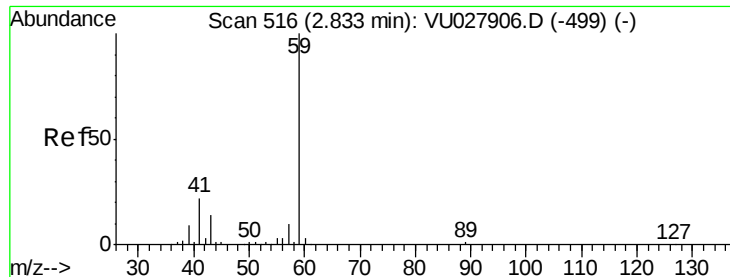
Delta R.T. 0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion:	142	Resp:	28818
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.2	52.8
141	14.8	11.8	17.8





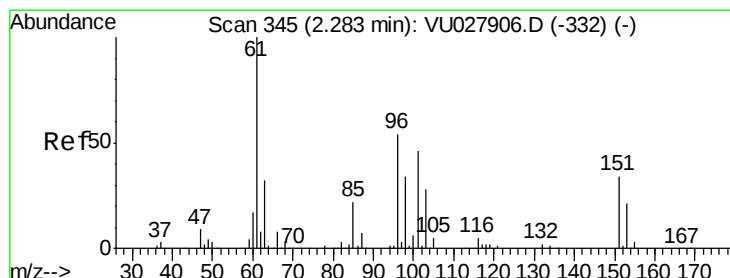
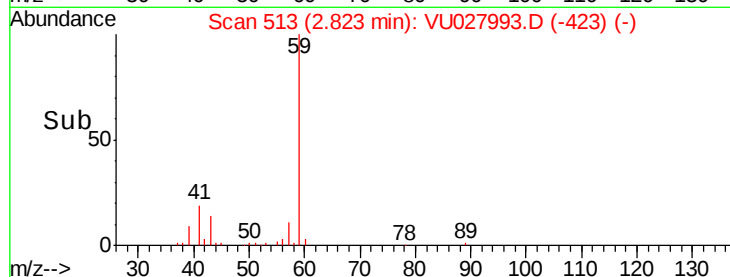
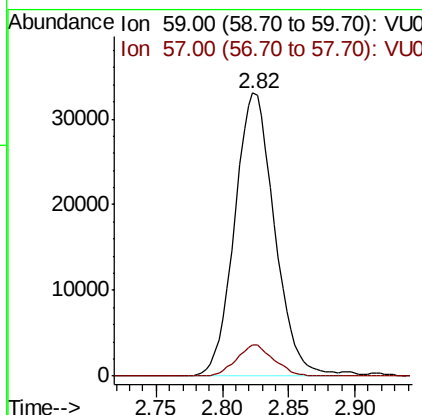
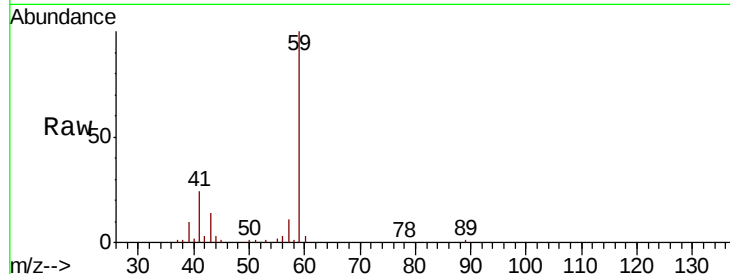
#11
Tert butyl alcohol
Concen: 83.610 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

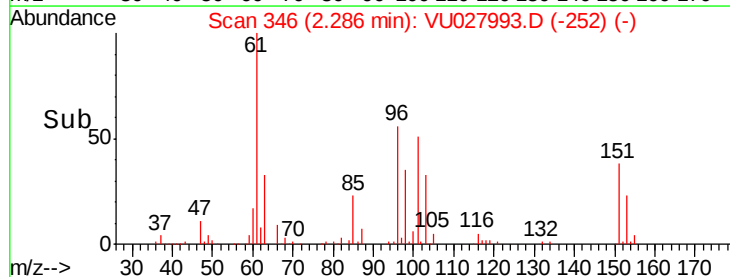
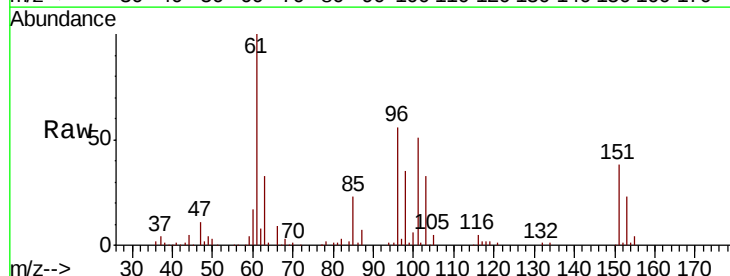
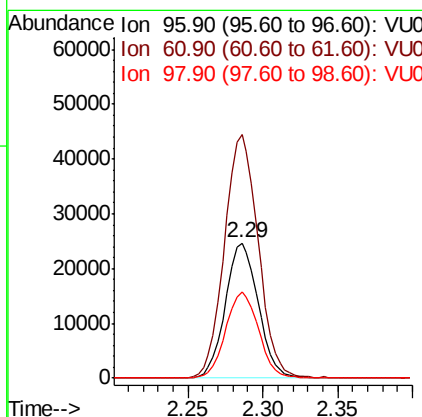
Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:11:02 AM



#12
1,1-Dichloroethene
Concen: 17.150 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.7	149.3	223.9
98	63.3	50.6	75.8





#13

Acrolein

Concen: 98.175 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 56 Resp: 31126

Ion Ratio Lower Upper

56 100

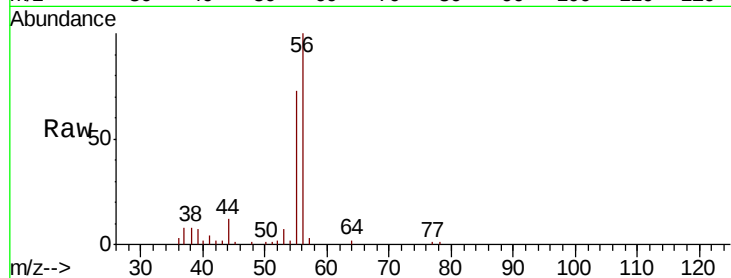
55 72.1 56.2 84.4

Manual Integrations

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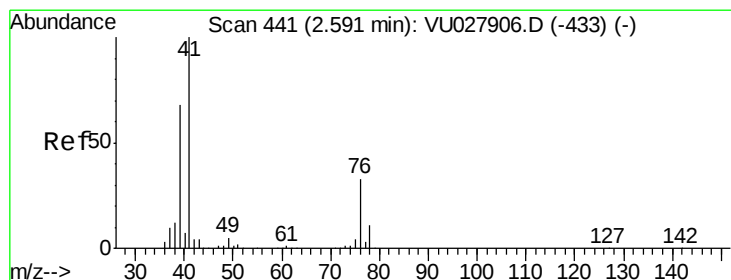
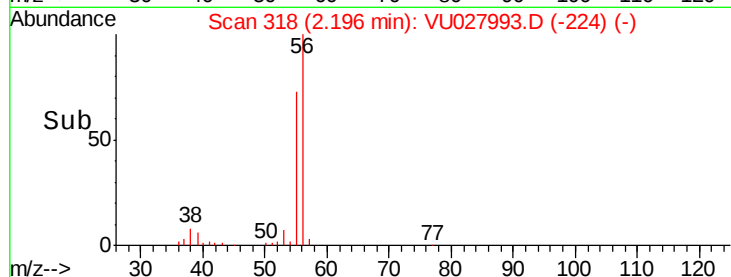
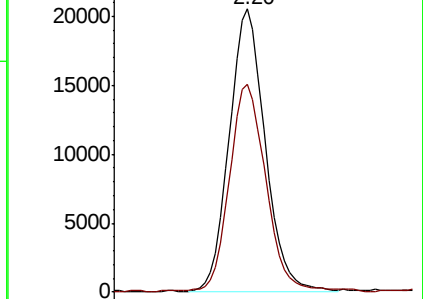
MMDadoda

11/8/2018 9:11:02 AM



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

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 17.130 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

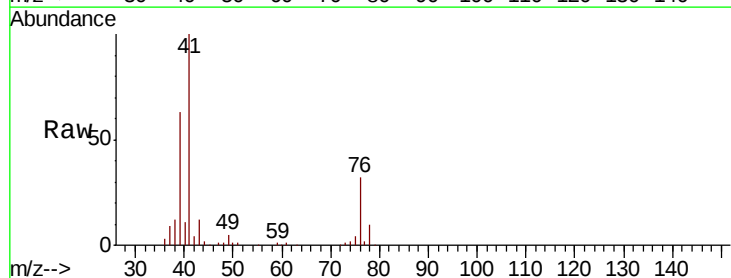
Tgt Ion: 41 Resp: 92209

Ion Ratio Lower Upper

41 100

39 63.0 51.9 77.9

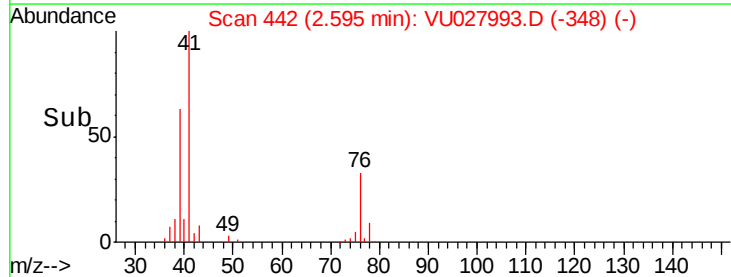
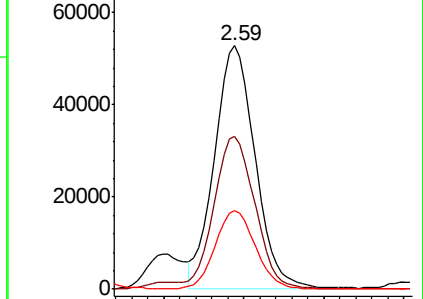
76 32.0 23.8 35.6

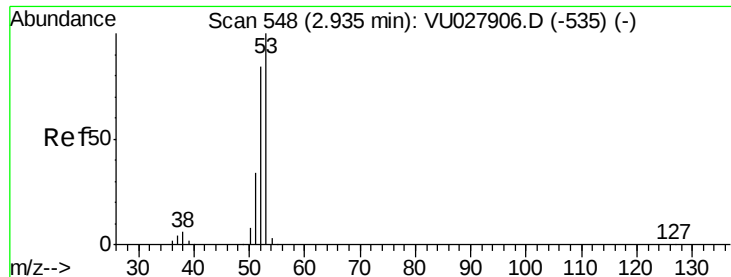


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 91.792 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

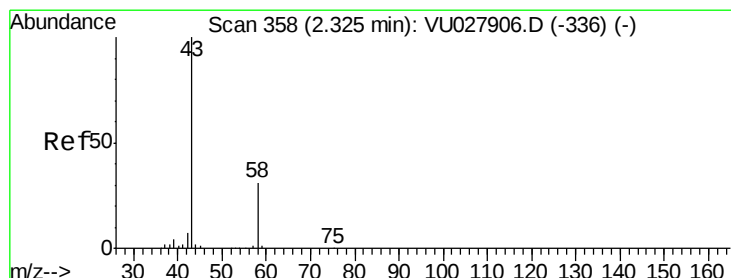
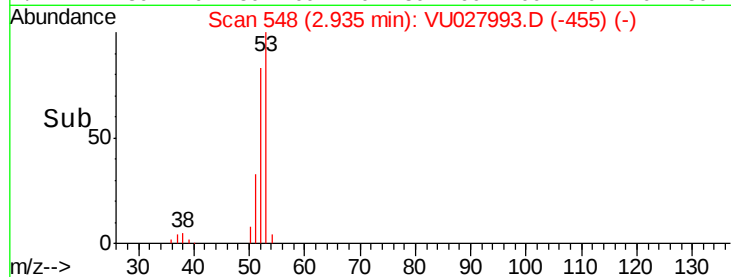
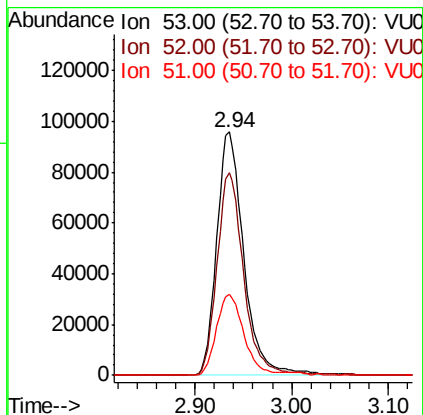
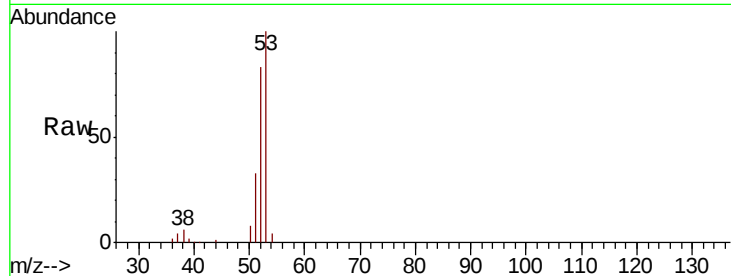
ClientSampleId :

VU1107WBS01

Tot Ion:	53	Resp:	186505
Ion Ratio		Lower	Upper
53	100		
52	81.5	66.2	99.2
51	33.5	27.0	40.4

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 92.548 ug/l

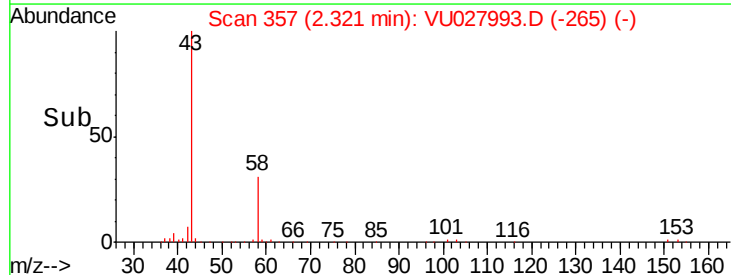
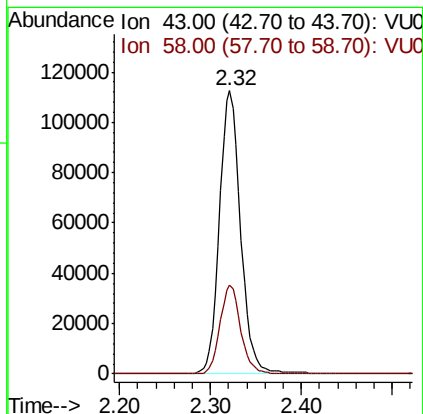
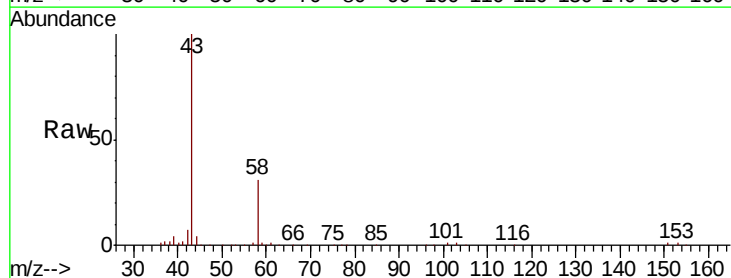
RT: 2.32 min Scan# 357

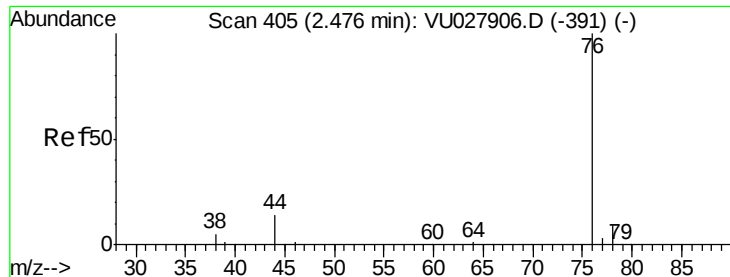
Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion:	43	Resp:	179407
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.6	37.0





#17

Carbon Disulfide

Concen: 16.440 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 76 Resp: 118353

Ion Ratio Lower Upper

76 100

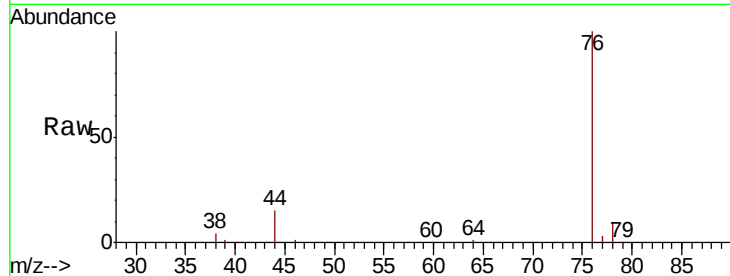
78 9.7 7.4 11.0

Manual Integrations

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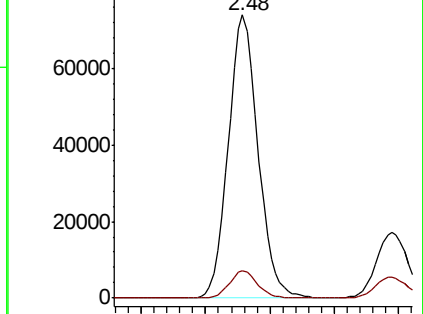
MMDadoda

11/8/2018 9:11:02 AM

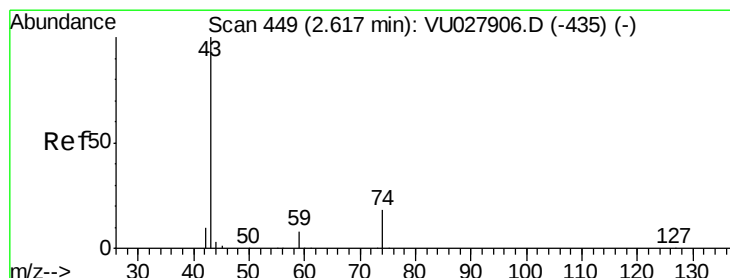
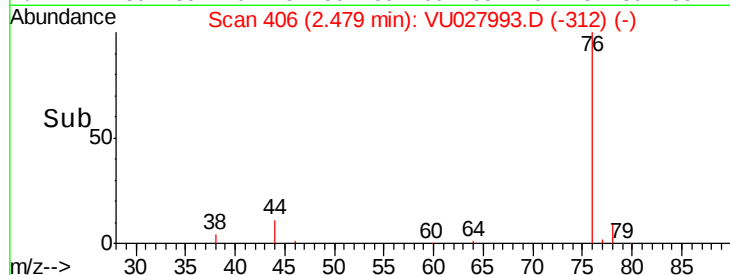


Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027993.D (-312) (-)



Time-->



#18

Methyl Acetate

Concen: 17.681 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027993.D

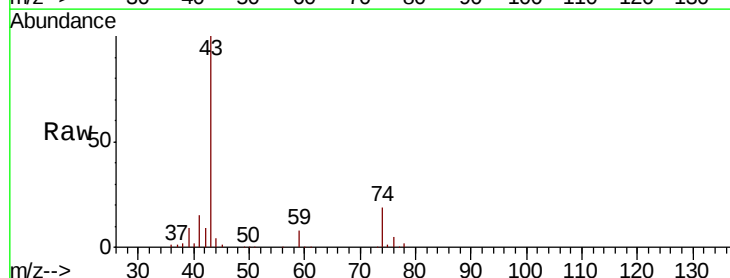
Acq: 07 Nov 2018 10:06

Tgt Ion: 43 Resp: 94287

Ion Ratio Lower Upper

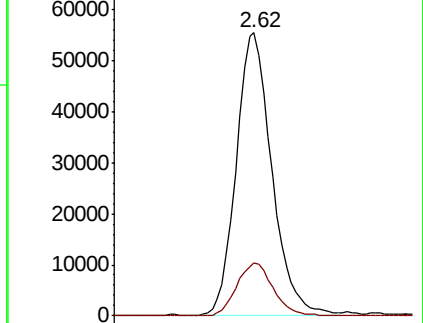
43 100

74 19.2 14.9 22.3

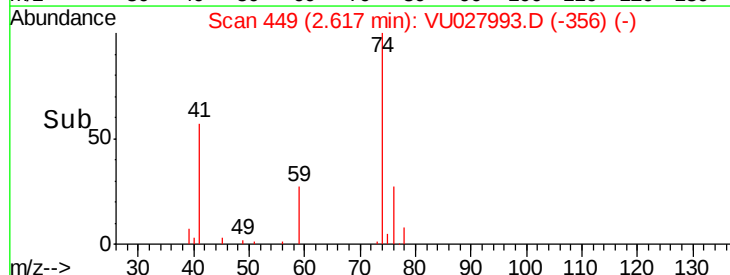


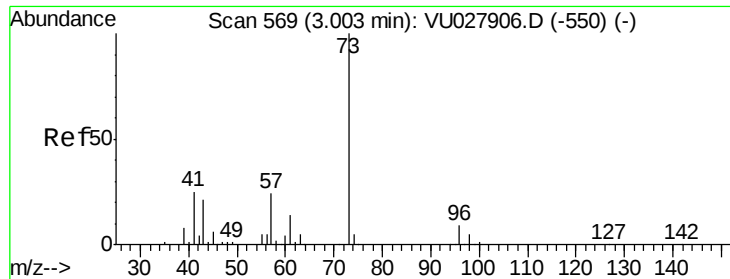
Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027993.D (-356) (-)



Time-->





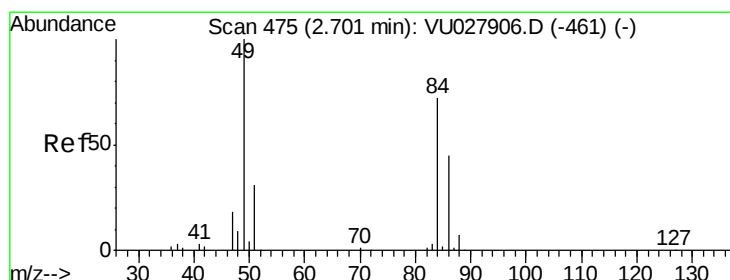
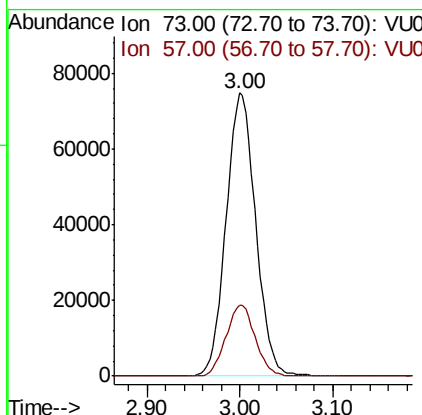
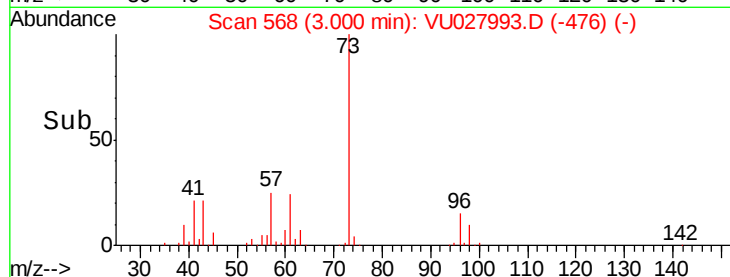
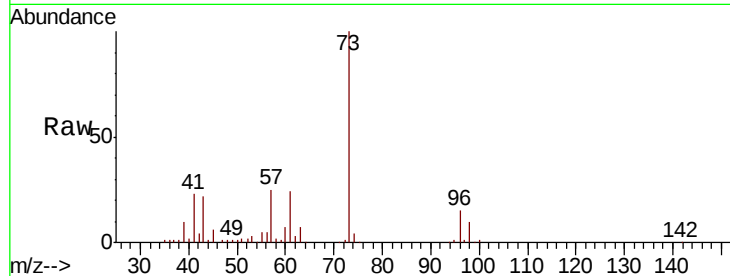
#19
Methvl tert-butvl Ether
Concen: 18.599 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.3	28.9

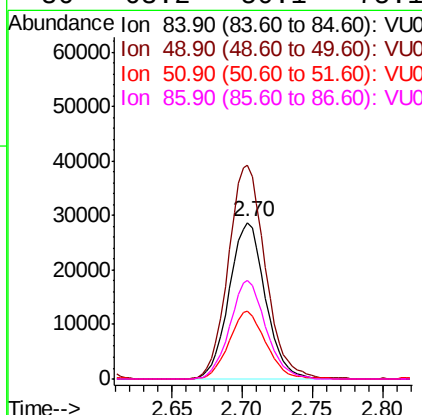
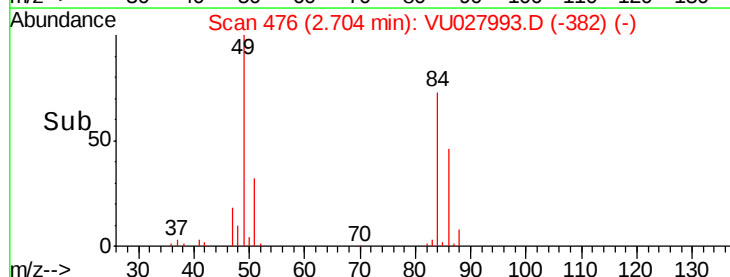
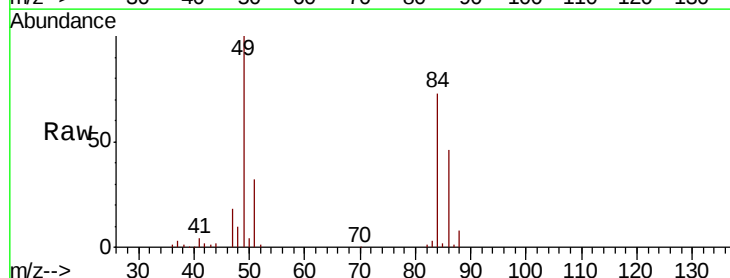
Manual Integrations
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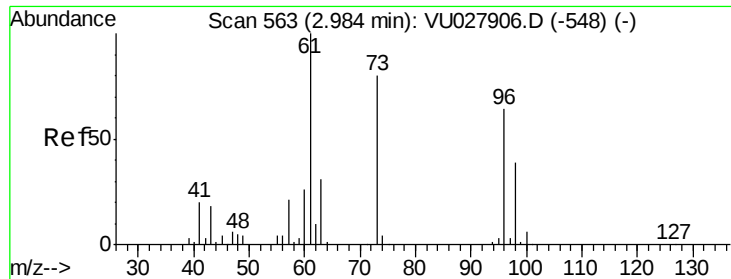
MMDadoda
11/8/2018 9:11:02 AM



#20
Methylene Chloride
Concen: 18.264 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	111.6	167.4
51	43.6	34.8	52.2
86	63.2	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 17.434 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

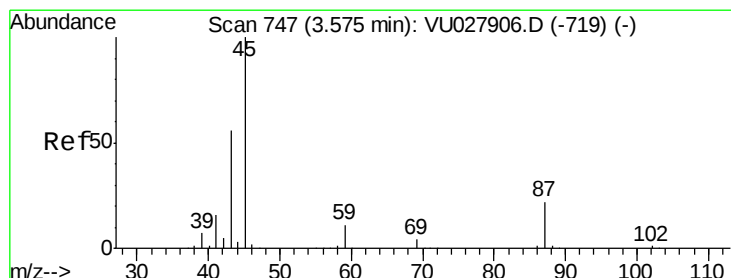
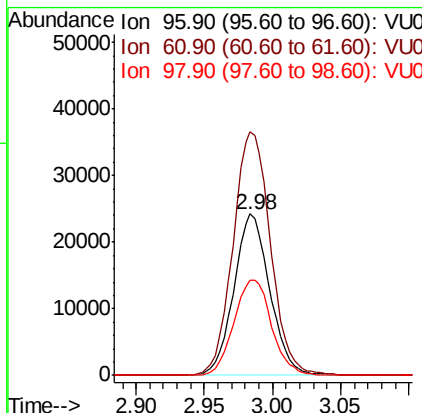
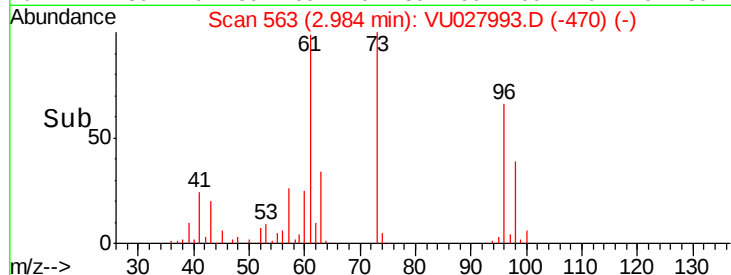
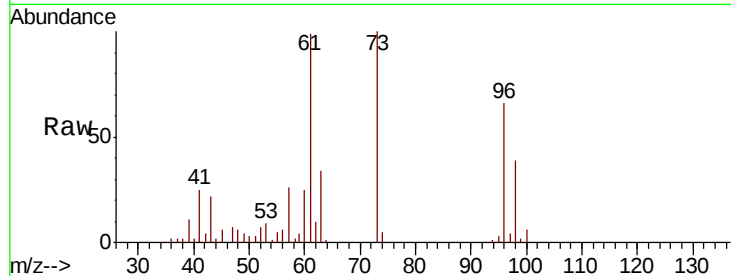
ClientSampleId :

VU1107WBS01

Tot Ion:	96	Resp:	44314
Ion	Ratio	Lower	Upper
96	100		
61	151.2	125.0	187.6
98	59.1	48.2	72.4

Manual Integrations
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11/8/2018 9:11:02 AM



#22

Diisopropyl ether

Concen: 18.552 ug/l

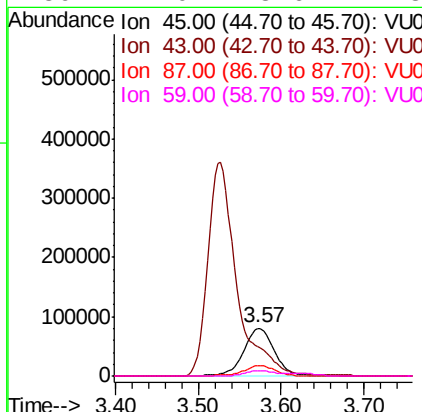
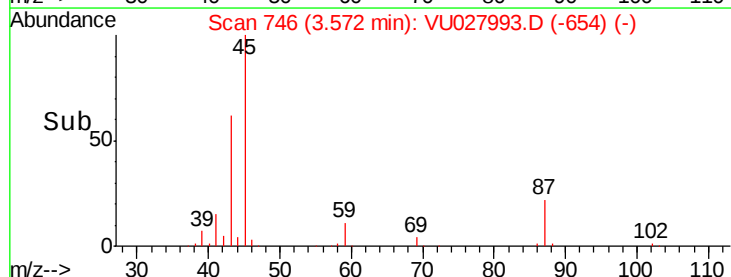
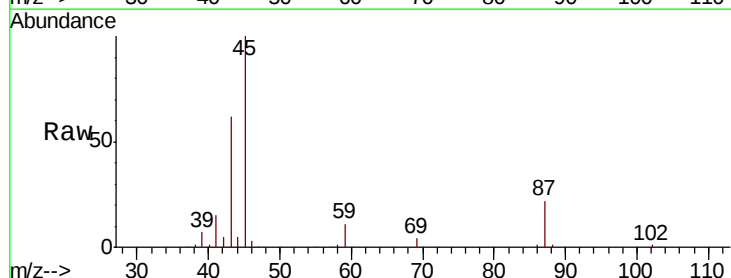
RT: 3.57 min Scan# 746

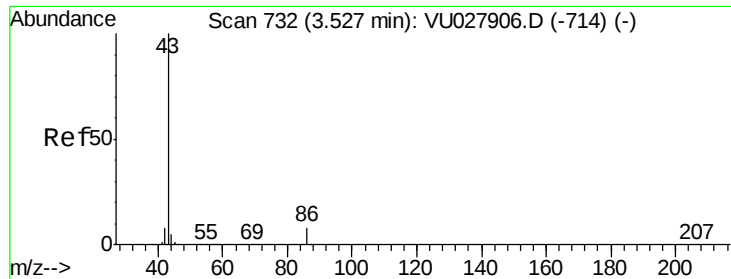
Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion:	45	Resp:	206181
Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.0	67.6
87	22.3	17.9	26.9
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 92.150 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 43 Resp: 880147

Ion Ratio Lower Upper

43 100

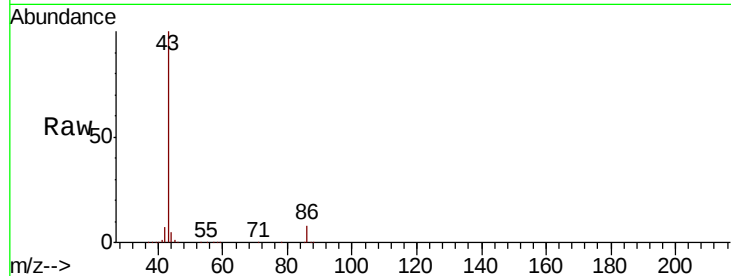
86 8.1 6.6 9.8

Manual Integrations

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11/8/2018 9:11:02 AM



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

Ion 86.00 (85.70 to 86.70): VU027906.D

3.53

400000

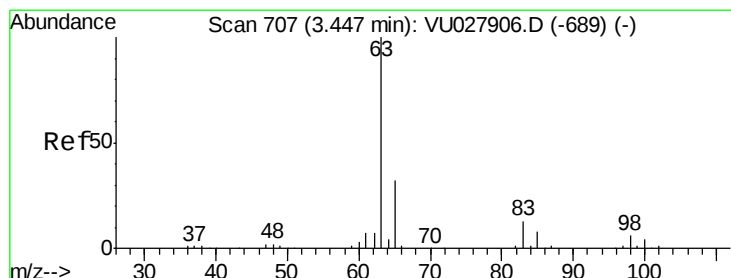
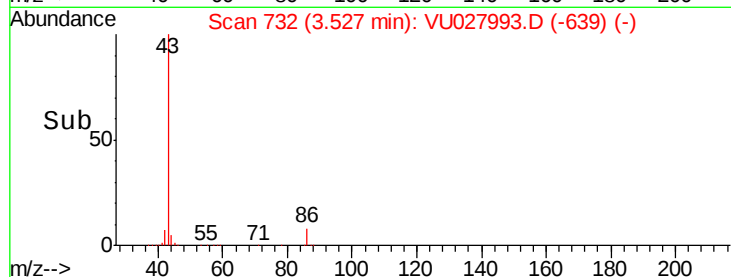
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.038 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

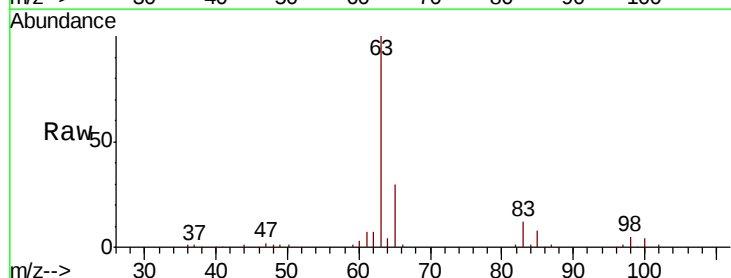
Tgt Ion: 63 Resp: 99851

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.7 2.0 6.0



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

Ion 97.90 (97.60 to 98.60): VU027906.D

Ion 99.90 (99.60 to 100.60): VU027906.D

60000

50000

40000

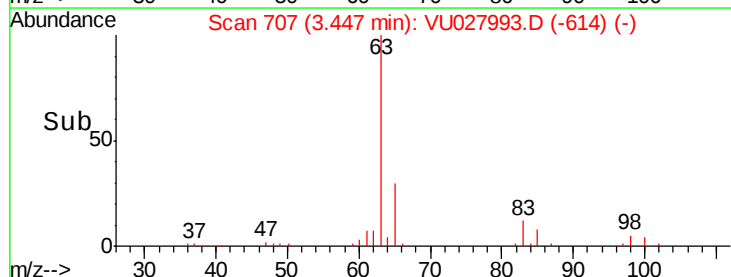
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 90.772 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 43 Resp: 279943

Ion Ratio Lower Upper

43 100

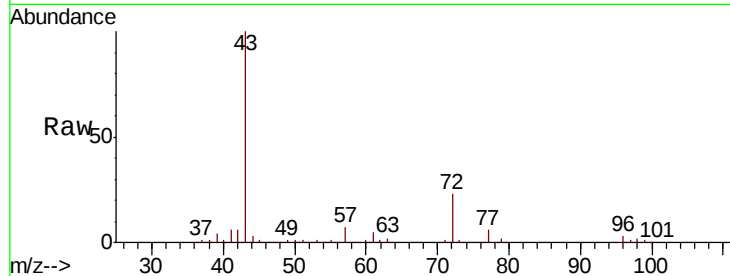
72 22.6 17.7 26.5

Manual Integrations

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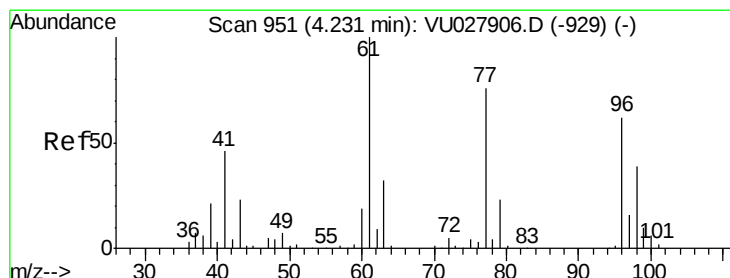
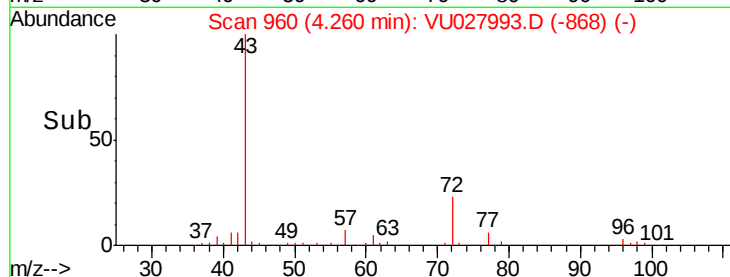
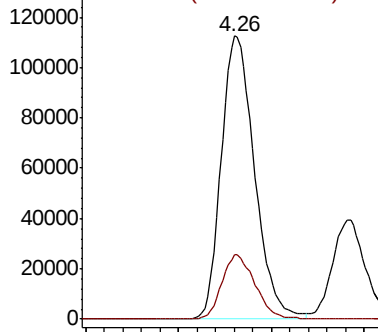
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.899 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027993.D

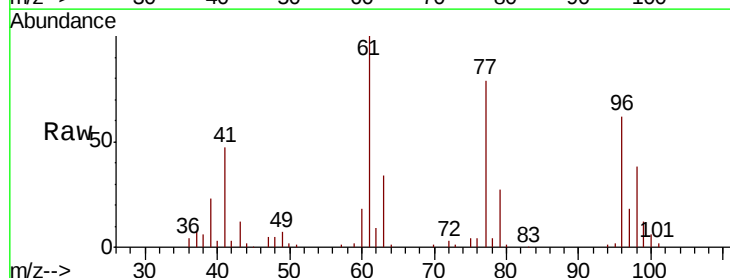
Acq: 07 Nov 2018 10:06

Tgt Ion: 77 Resp: 78511

Ion Ratio Lower Upper

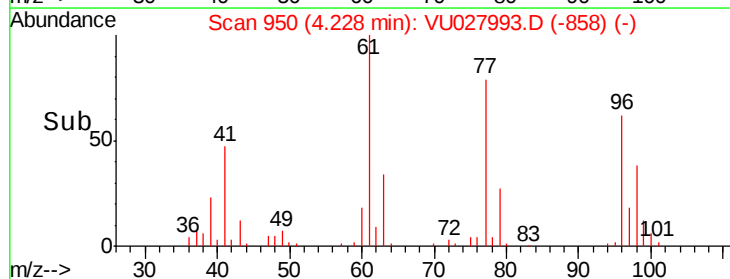
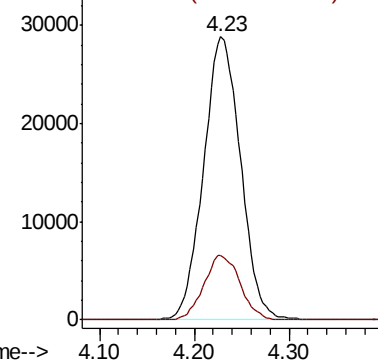
77 100

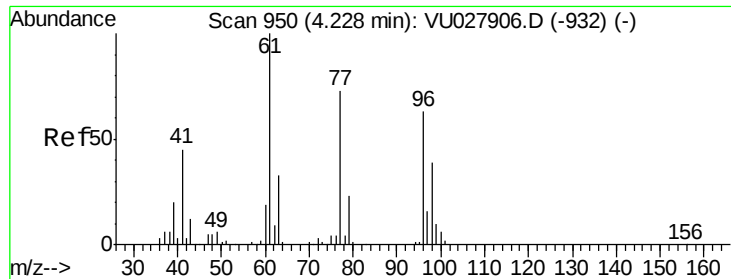
97 22.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

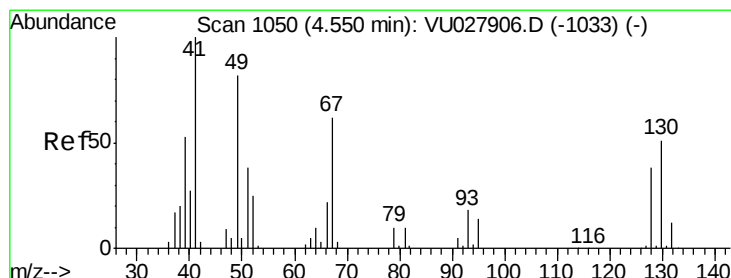
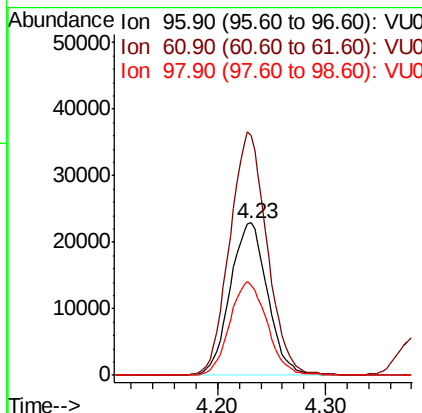
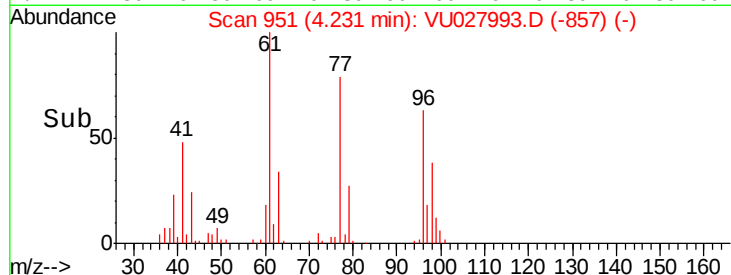
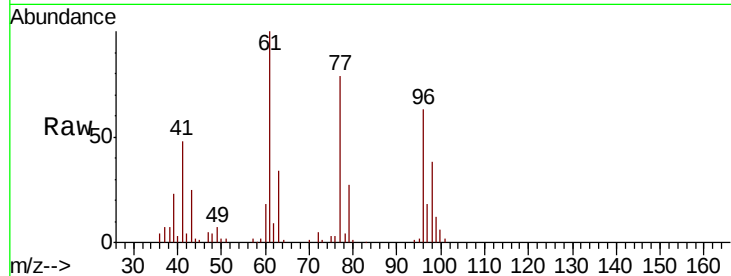
cis-1,2-Dichloroethene
Concen: 19.328 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	329.6
98	61.4	0.0	127.2

Manual Integrations
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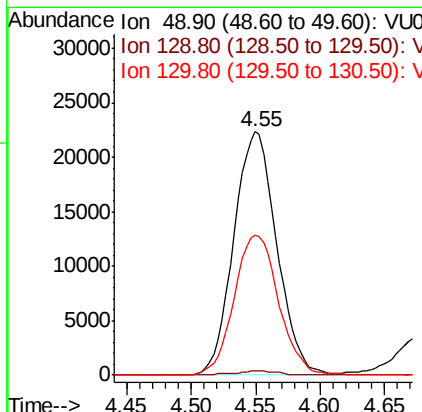
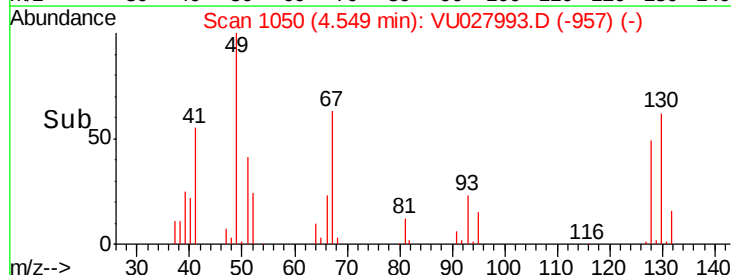
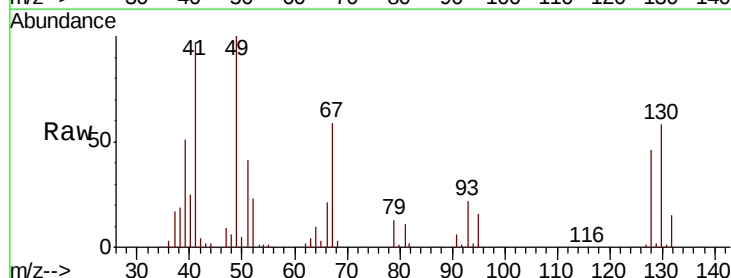
MMDadoda
11/8/2018 9:11:02 AM

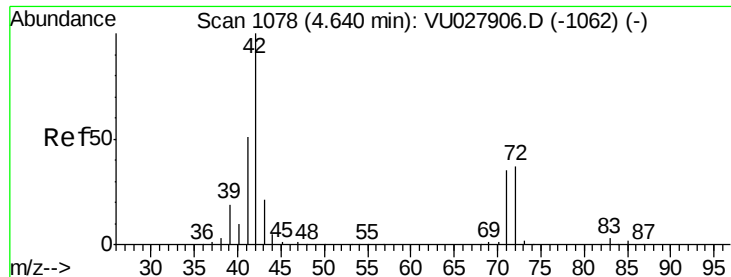


#28

Bromochloromethane
Concen: 19.943 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	59.5	47.8	71.6





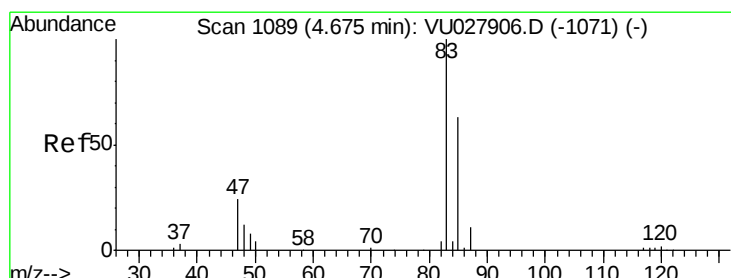
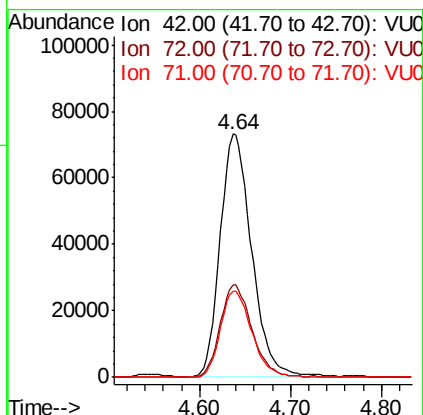
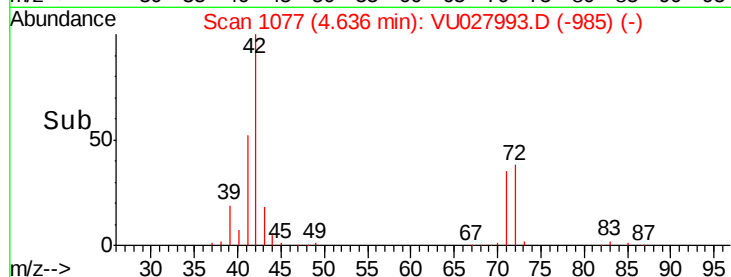
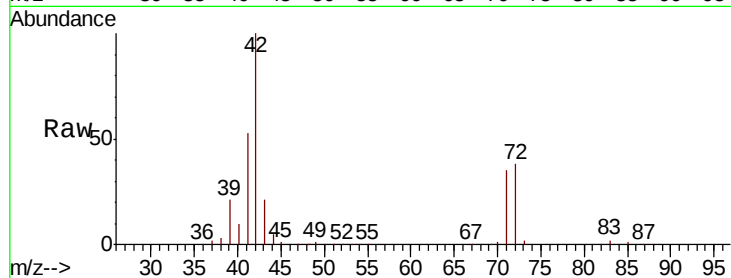
#29
Tetrahydrofuran
Concen: 85.609 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.4	44.0
71	35.2	27.9	41.9

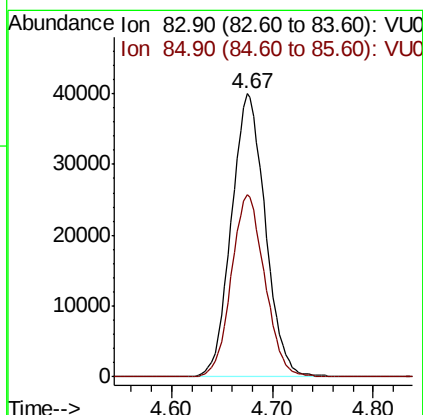
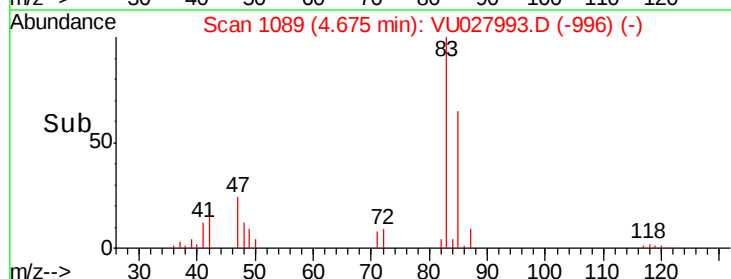
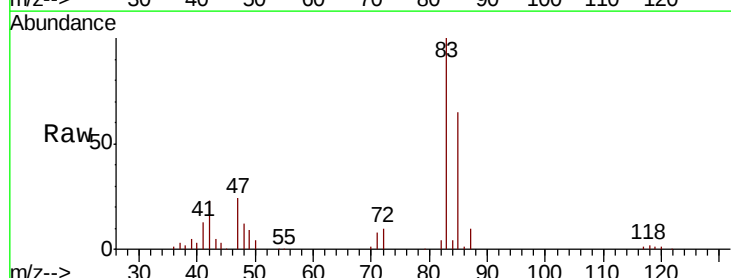
Manual Integrations
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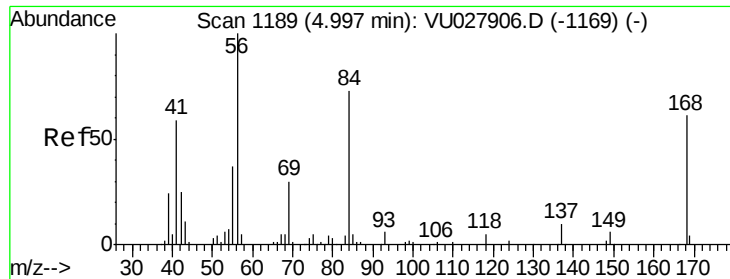
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#30
Chloroform
Concen: 18.365 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	76.0





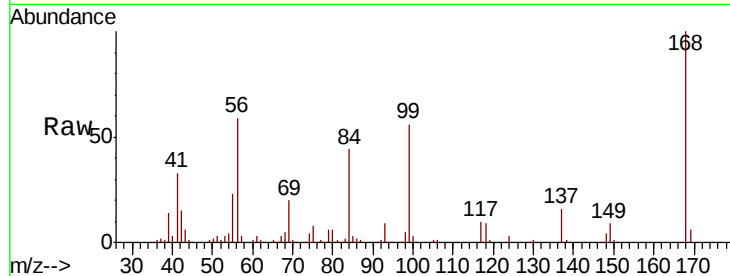
#31
Cyclohexane
Concen: 17.193 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

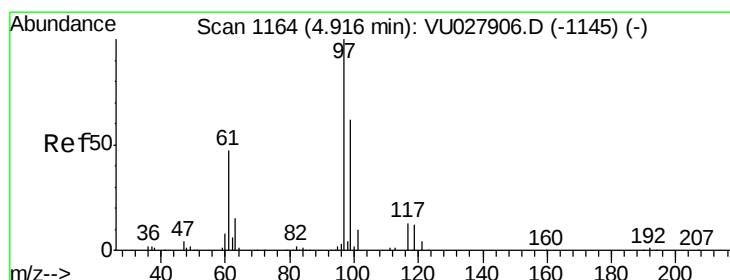
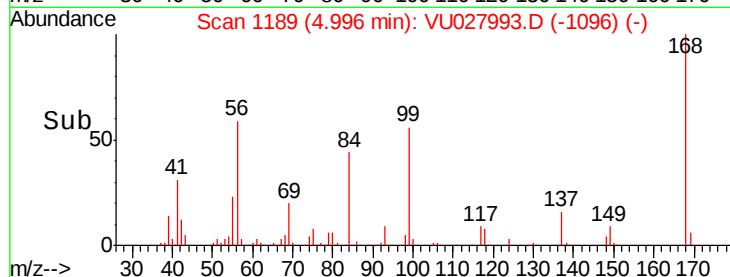
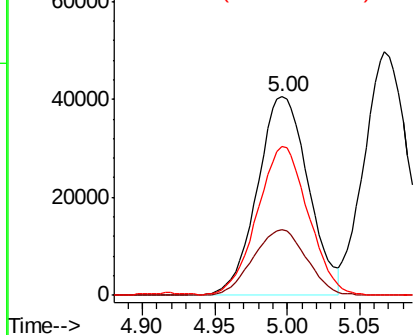
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.7	35.5
84	74.1	58.2	87.4

Manual Integrations
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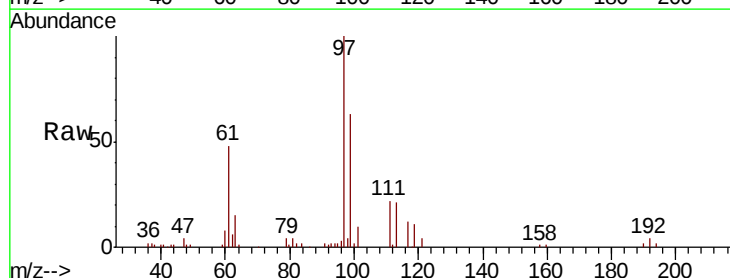


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

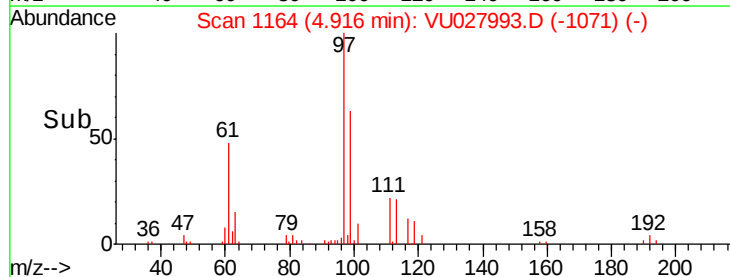
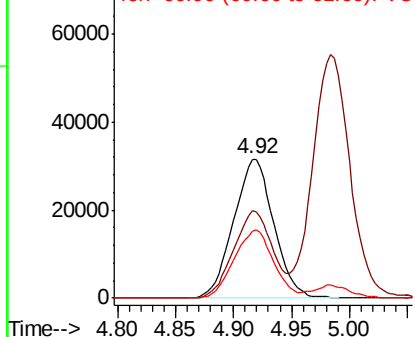


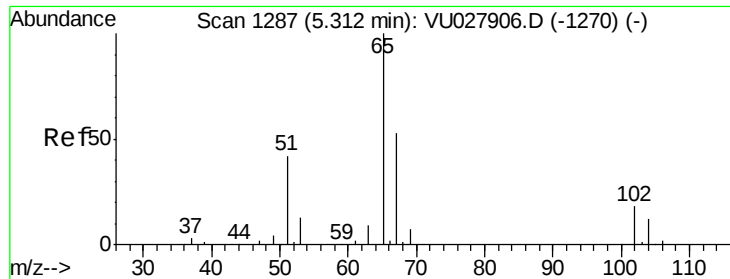
#32
1,1,1-Trichloroethane
Concen: 18.733 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
61	48.4	38.3	57.5
99	61.8	50.5	75.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





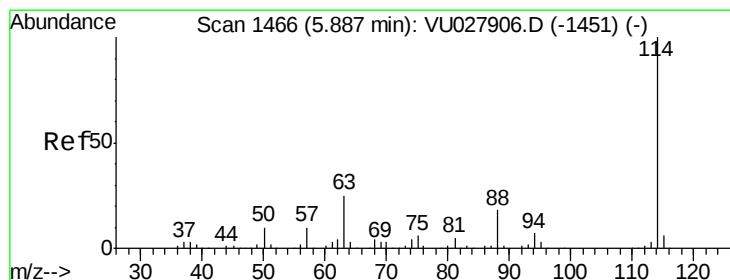
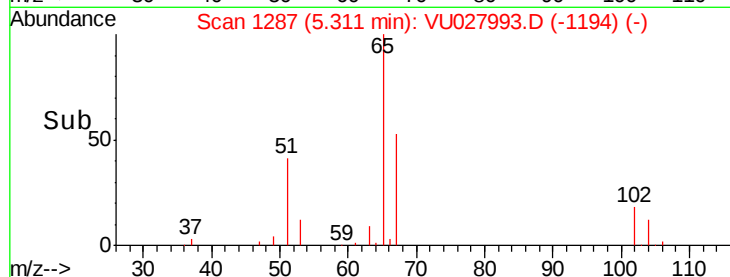
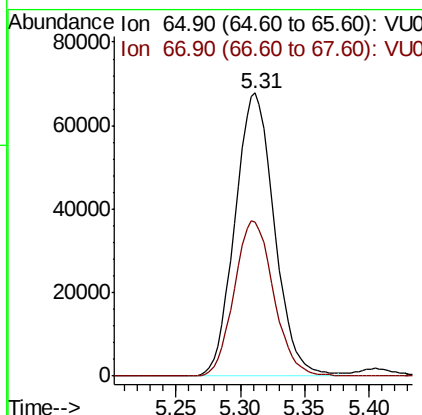
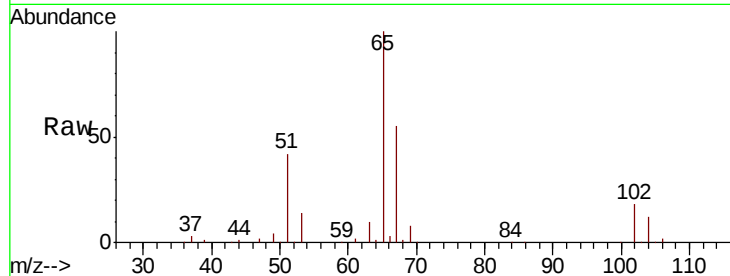
#33
 1,2-Dichloroethane-d4
 Concen: 46.120 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144100		
67	55.1	0.0	109.0	

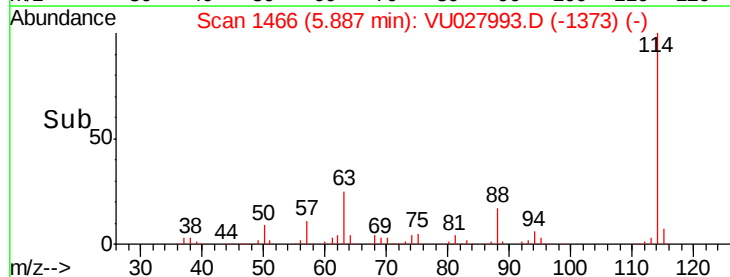
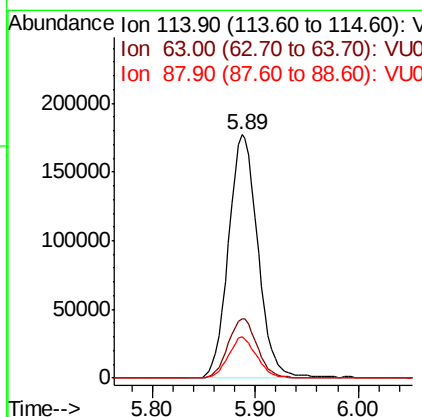
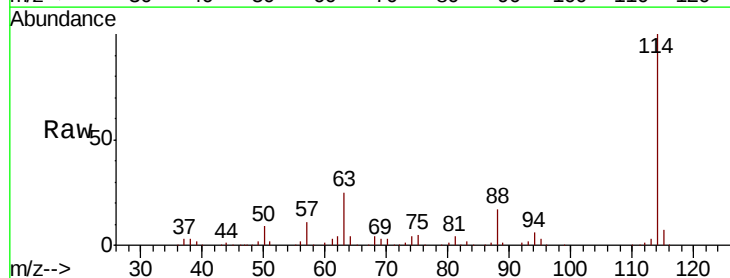
Manual Integrations
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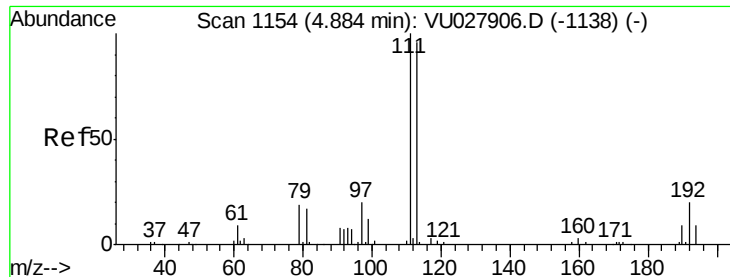
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 11/8/2018 9:11:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351504		
63	24.6	0.0	50.8	
88	16.8	0.0	35.8	





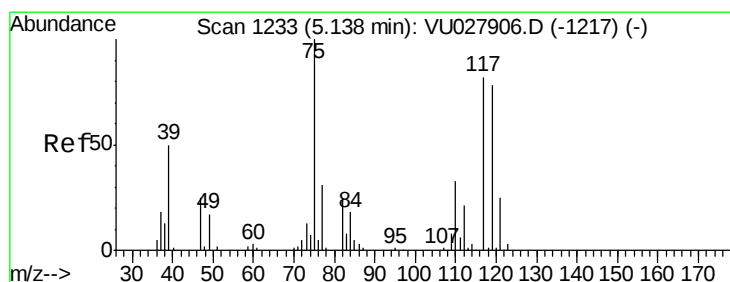
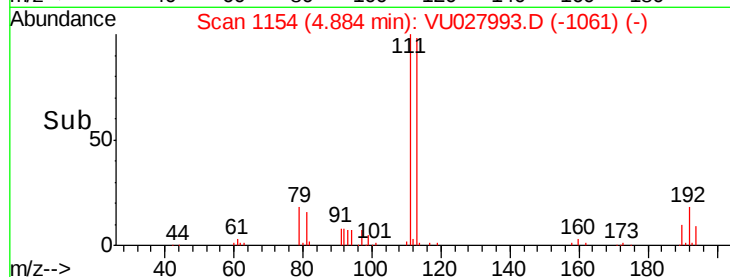
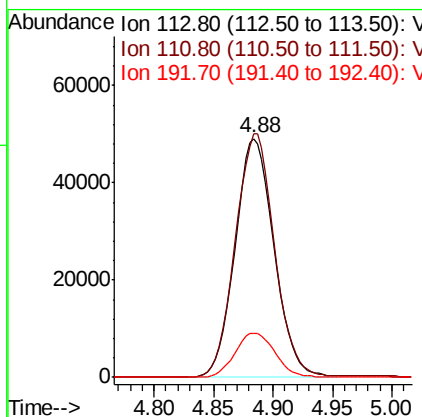
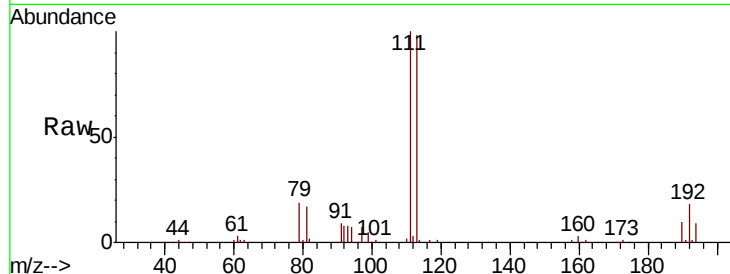
#35
Dibromofluoromethane
Concen: 50.294 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	83.0	124.6	
192	19.0	15.6	23.4	

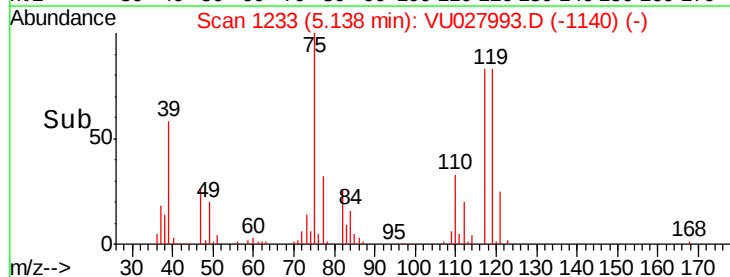
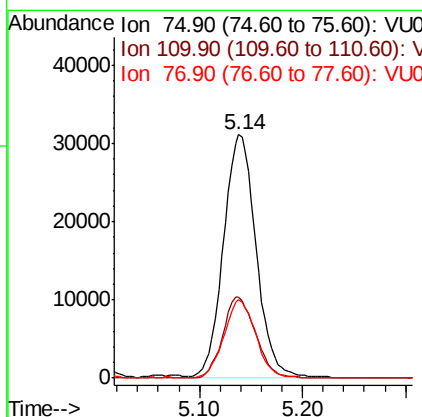
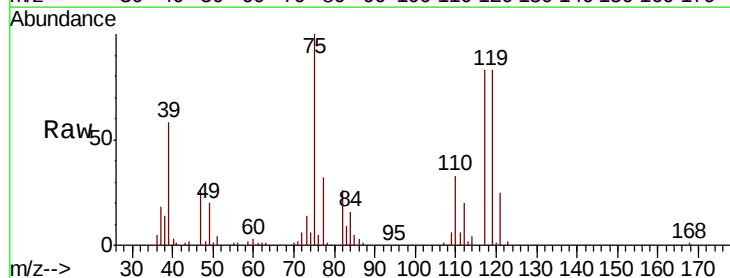
Manual Integrations
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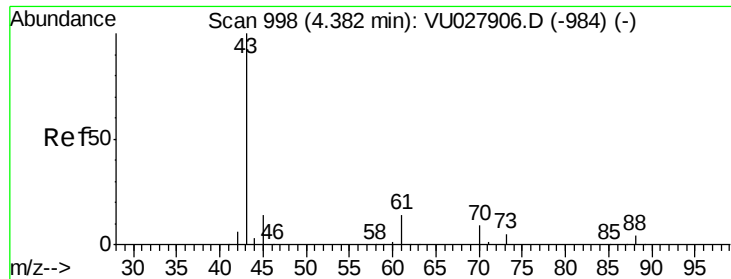
MMDadoda
11/8/2018 9:11:02 AM



#36
1,1-Dichloropropene
Concen: 18.748 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.0	16.5	49.5	
77	31.1	24.9	37.3	





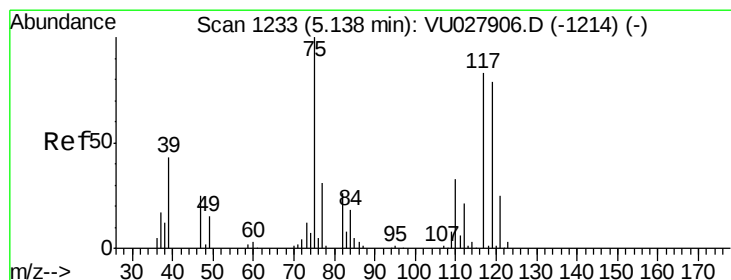
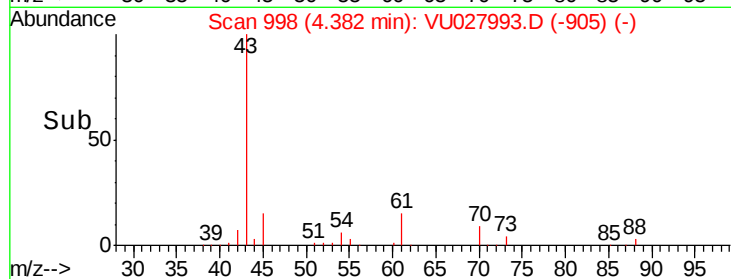
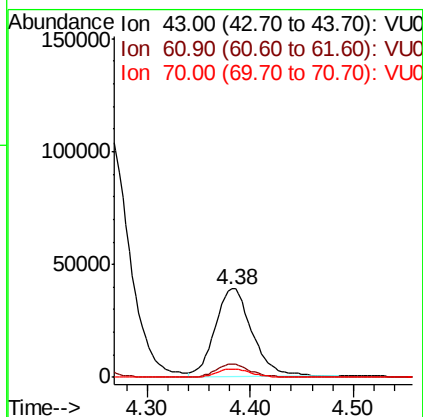
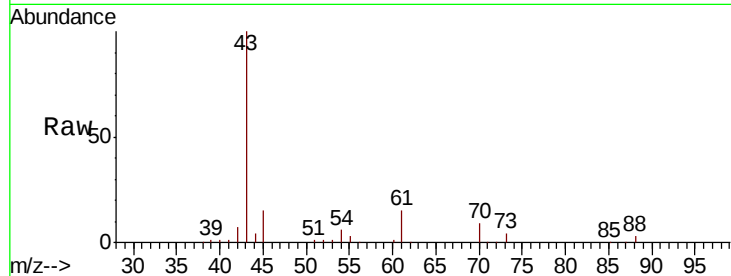
#37
Ethyl Acetate
Concen: 17.925 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.3	15.5
70	8.9	7.0	10.6

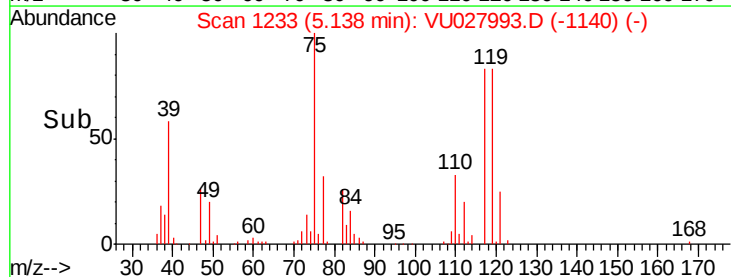
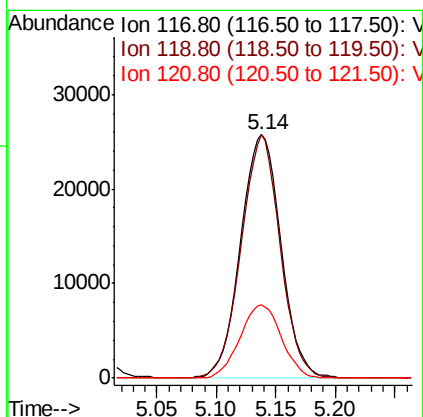
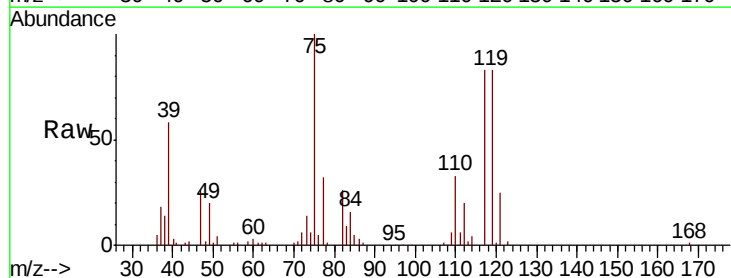
Manual Integrations
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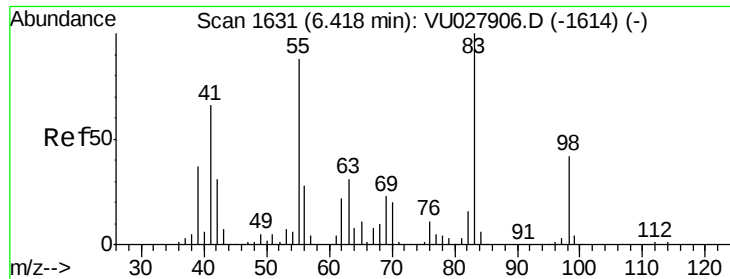
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#38
Carbon Tetrachloride
Concen: 18.525 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	76.0	114.0
121	29.9	24.5	36.7





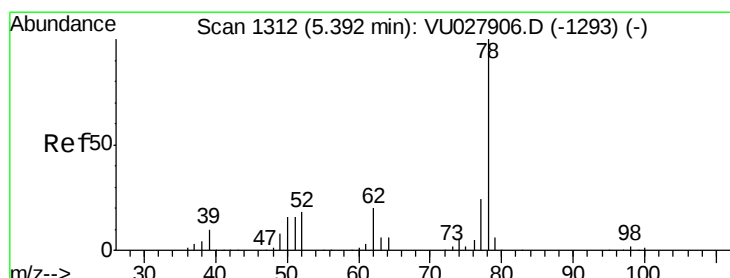
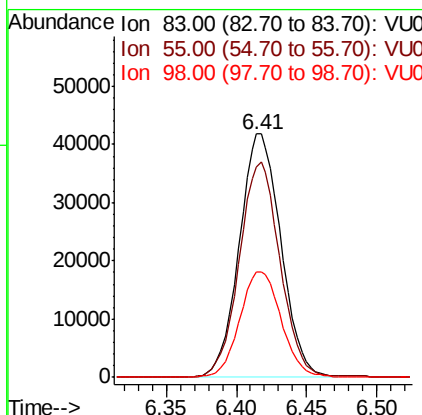
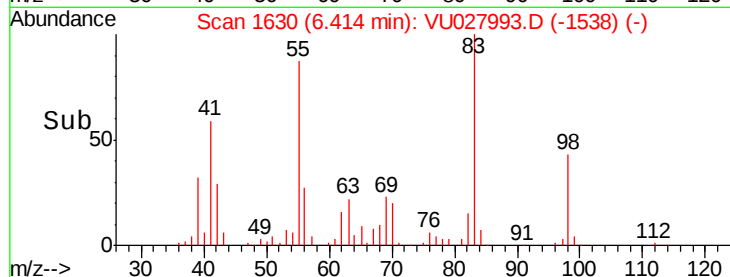
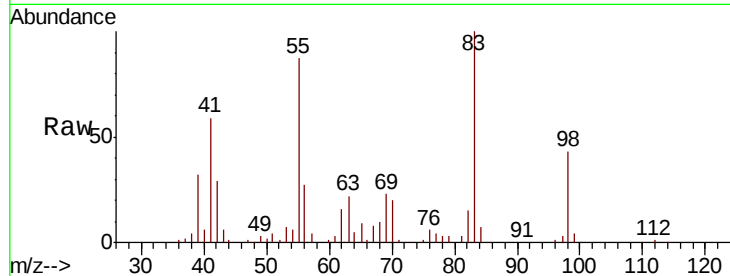
#39
Methvlcvclohexane
Concen: 19.440 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion: 83 Resp: 86320
Ion Ratio Lower Upper
83 100
55 86.7 70.3 105.5
98 43.1 34.0 51.0

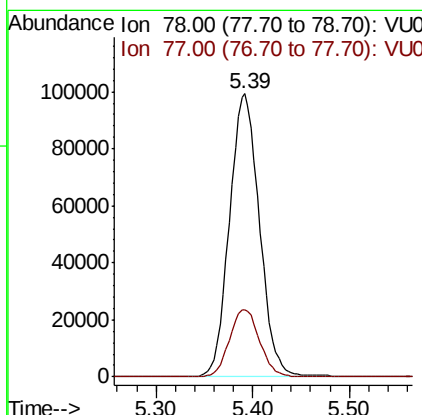
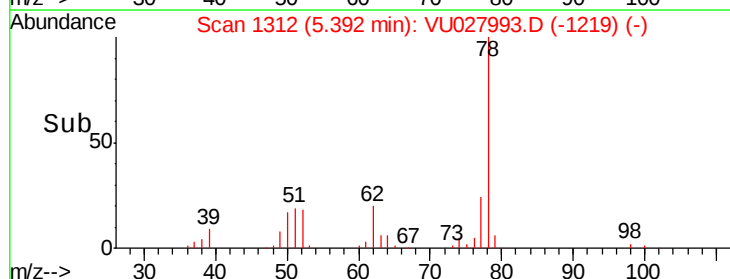
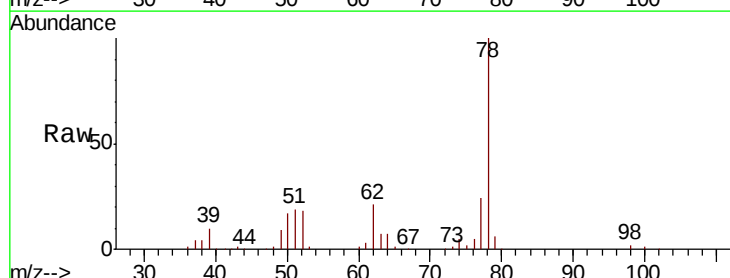
Manual Integrations
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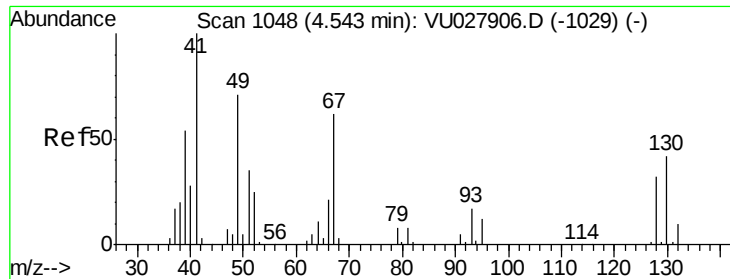
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#40
Benzene
Concen: 19.011 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion: 78 Resp: 213977
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9





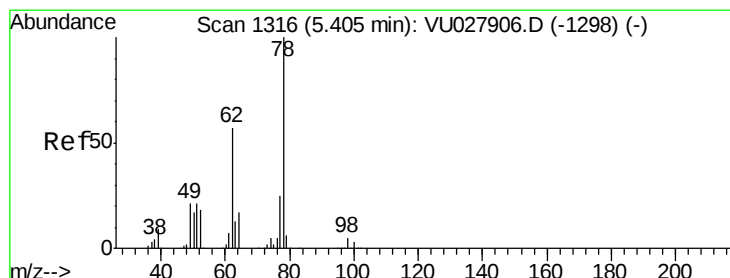
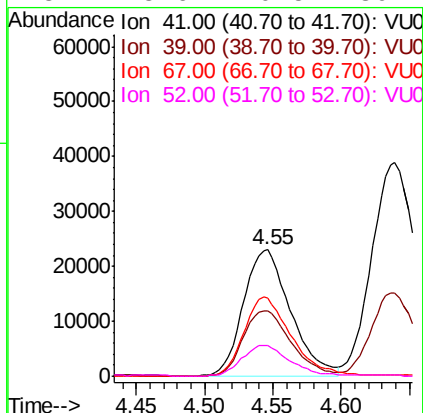
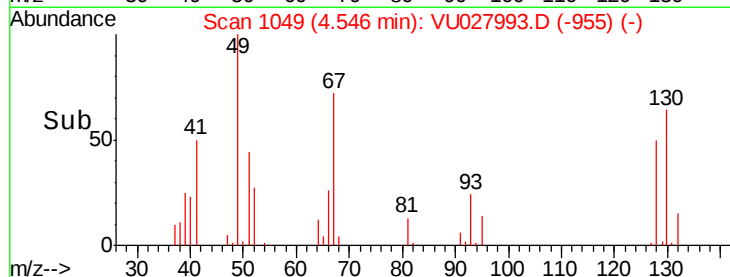
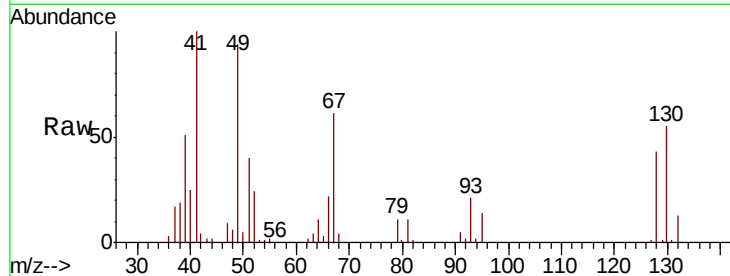
#41
Methacrylonitrile
Concen: 19.289 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.2	63.4	
67	62.8	49.5	74.3	
52	25.6	20.5	30.7	

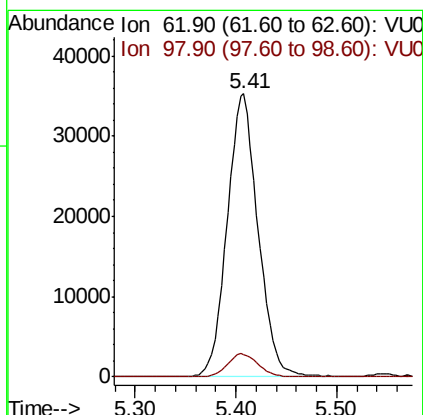
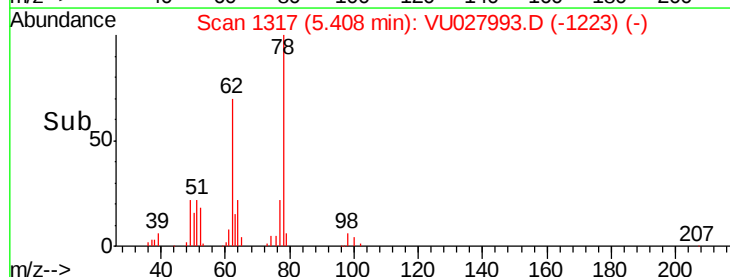
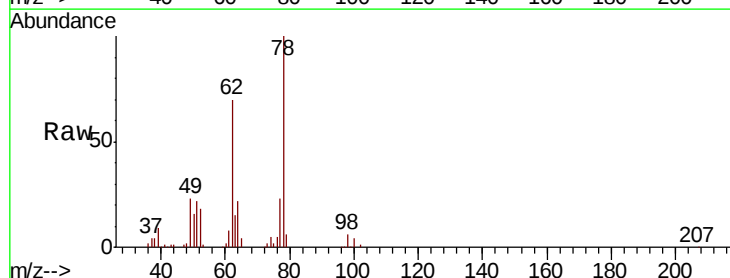
Manual Integrations
APPROVED

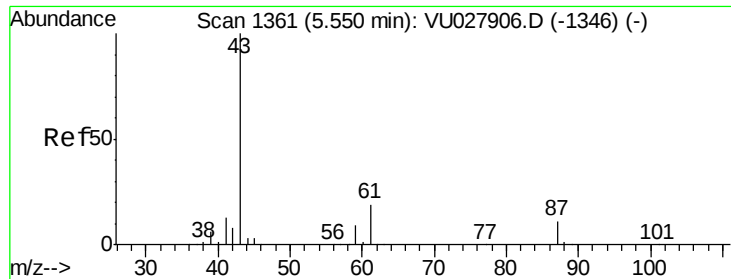
MMDadoda
11/8/2018 9:11:02 AM



#42
1,2-Dichloroethane
Concen: 18.742 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.2	





#43

Isopropyl Acetate

Concen: 18.645 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

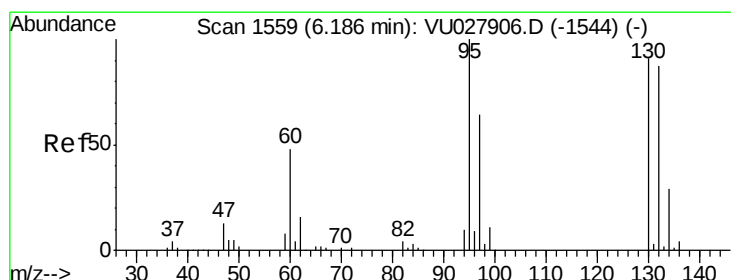
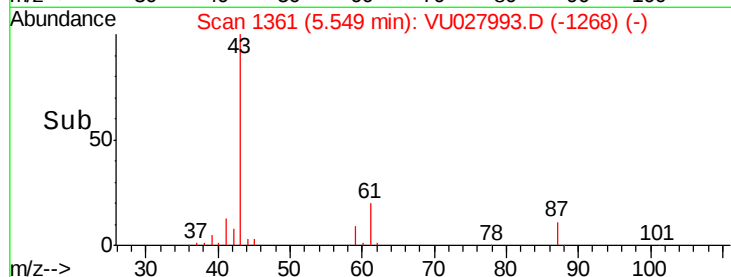
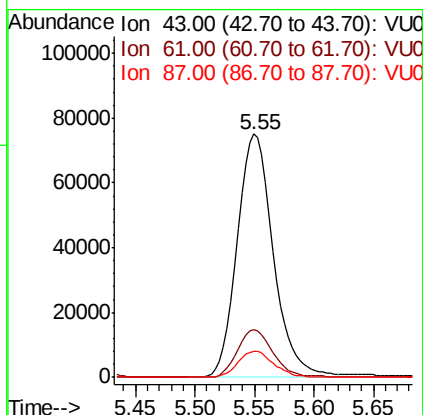
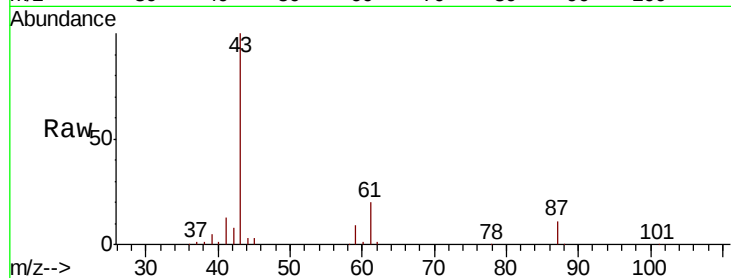
ClientSampleId :

VU1107WBS01

Tot Ion:	43	Resp:	157571
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.0	22.4
87	10.8	8.6	12.8

Manual Integrations
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MMDadoda
11/8/2018 9:11:02 AM



#44

Trichloroethene

Concen: 19.126 ug/l

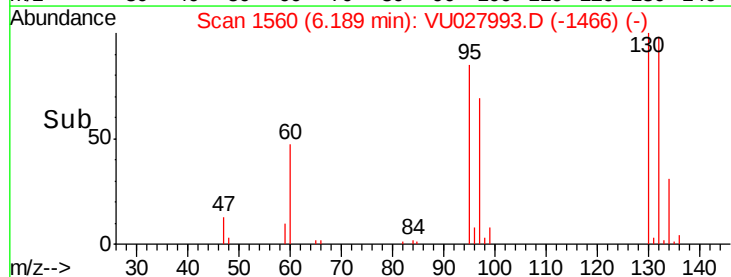
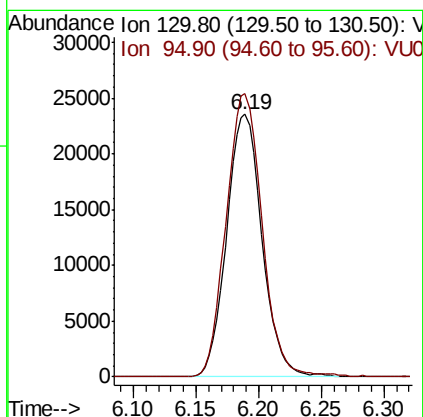
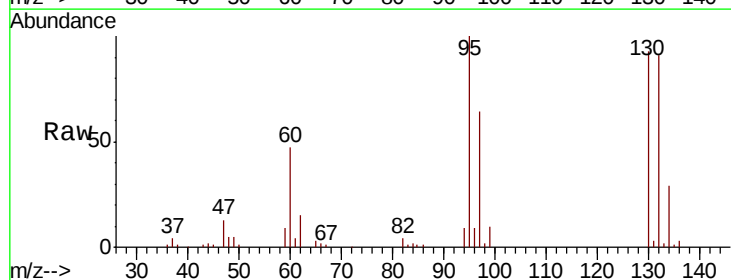
RT: 6.19 min Scan# 1560

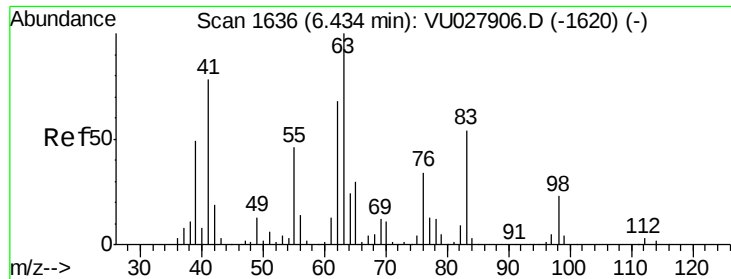
Delta R.T. 0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion:	130	Resp:	46273
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	219.2





#45

1,2-Dichloropropane

Concen: 19.304 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 63 Resp: 62661

Ion Ratio Lower Upper

63 100

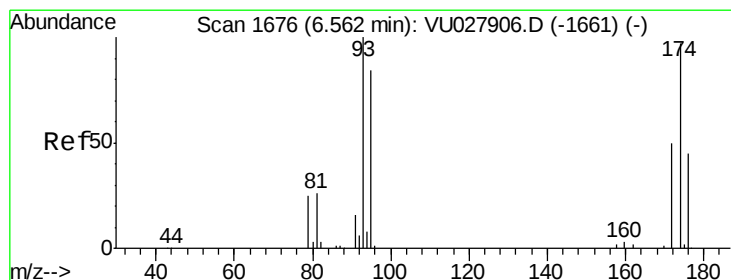
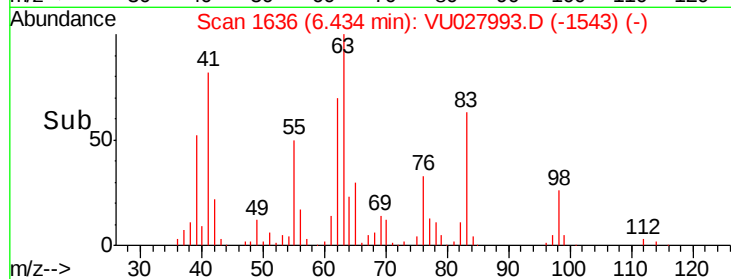
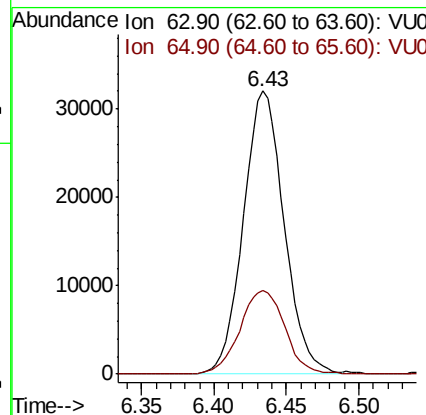
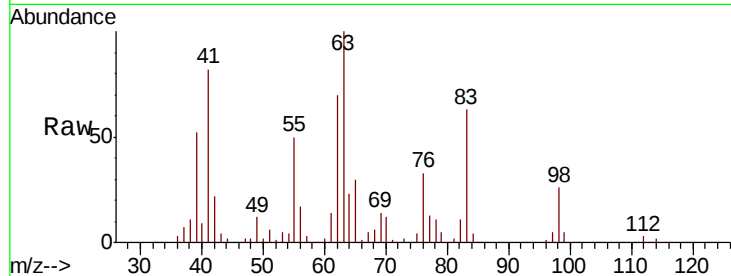
65 29.6 24.4 36.6

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11/8/2018 9:11:02 AM



#46

Dibromomethane

Concen: 19.132 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

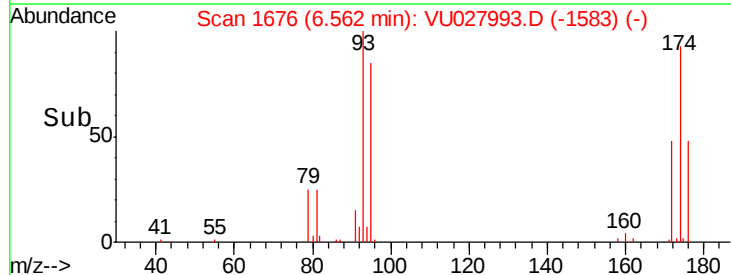
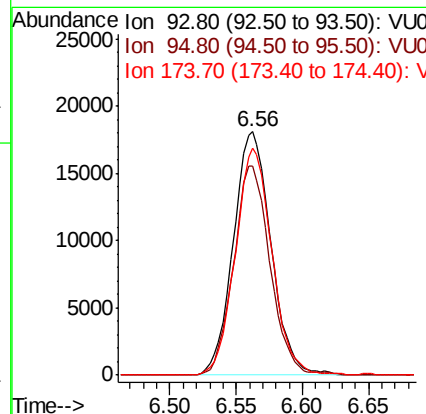
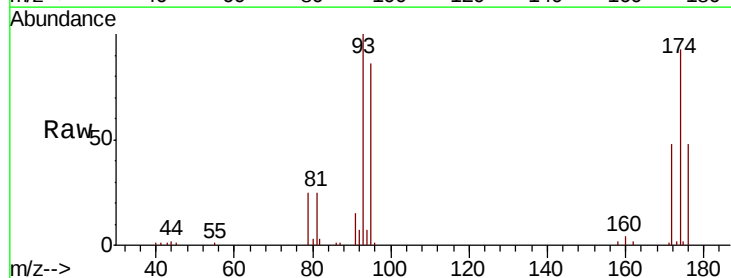
Tgt Ion: 93 Resp: 35698

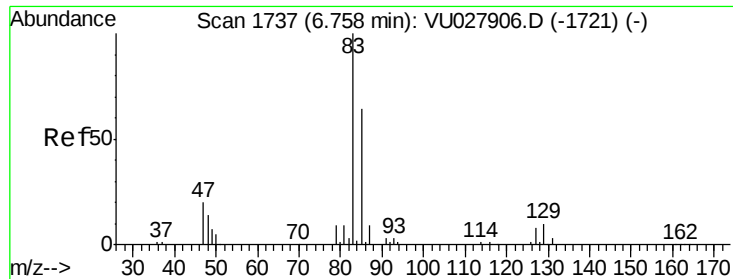
Ion Ratio Lower Upper

93 100

95 83.1 68.5 102.7

174 90.2 76.1 114.1





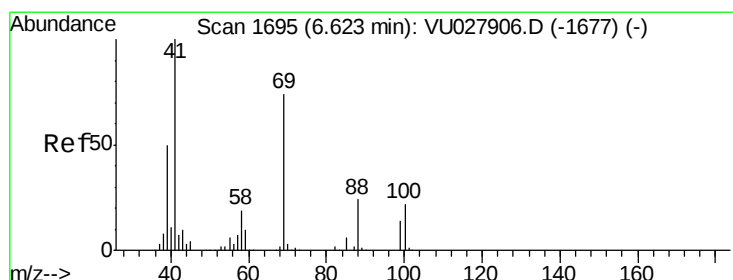
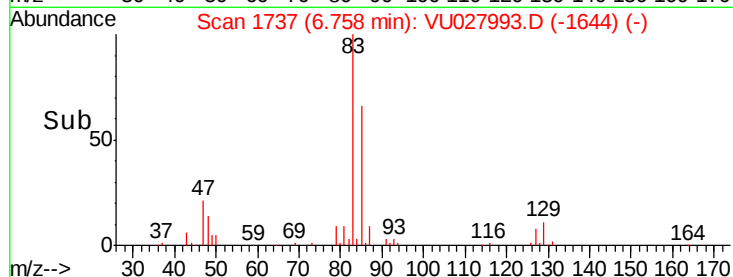
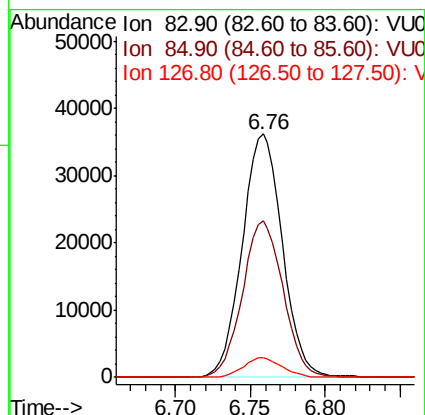
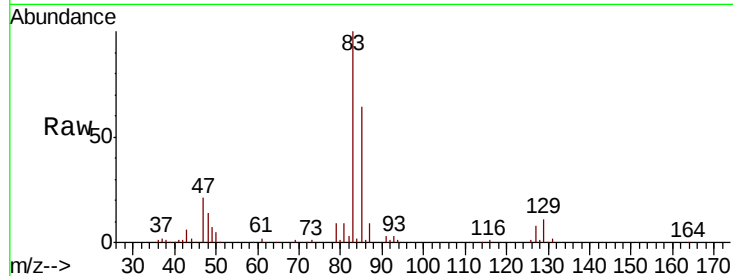
#47
Bromodichloromethane
Concen: 18.813 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	83	Resp	67646
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	7.9	6.2	9.4

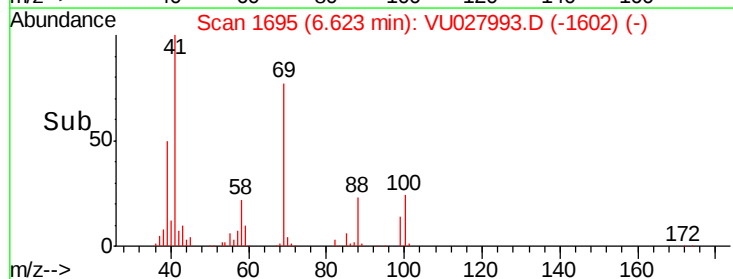
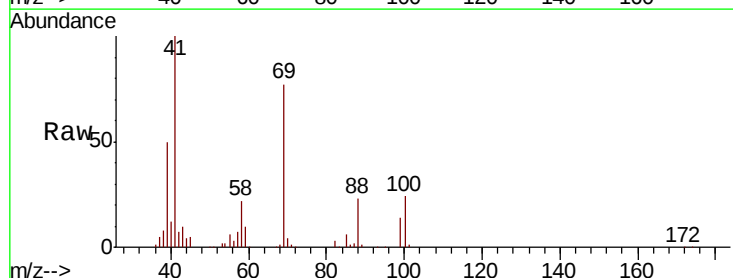
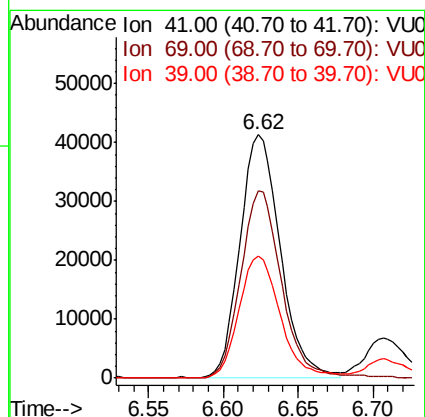
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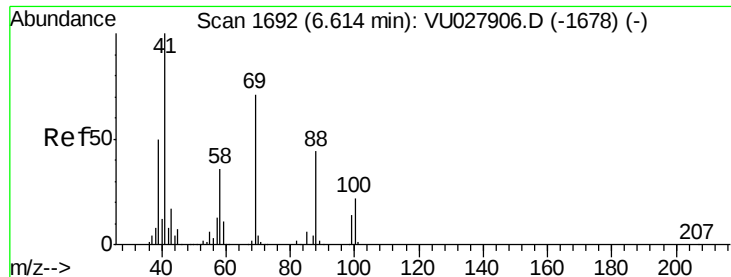
MMDadoda
11/8/2018 9:11:02 AM



#48
Methyl methacrylate
Concen: 18.688 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	41	Resp	77393
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	59.8	89.8
39	51.6	40.0	60.0





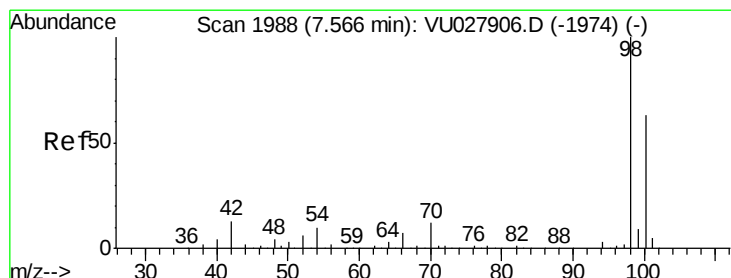
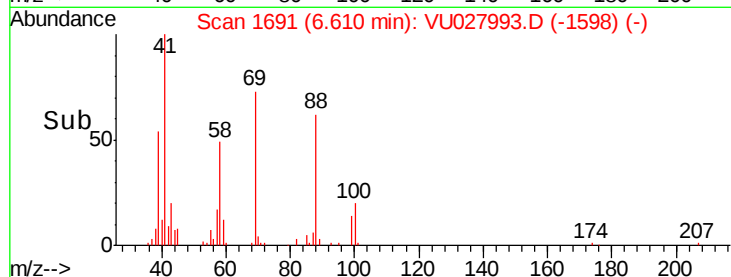
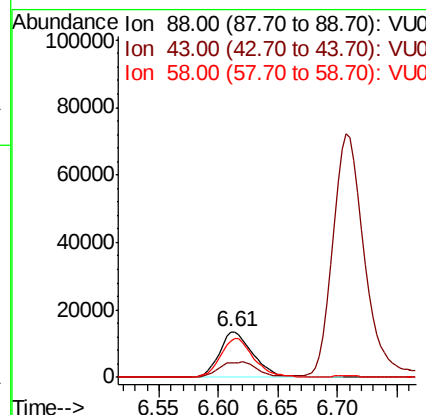
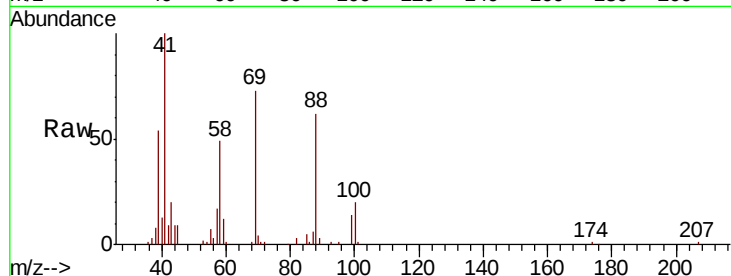
#49
1,4-Dioxane
Concen: 398.174 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	30.5	45.7
58	84.4	67.1	100.7

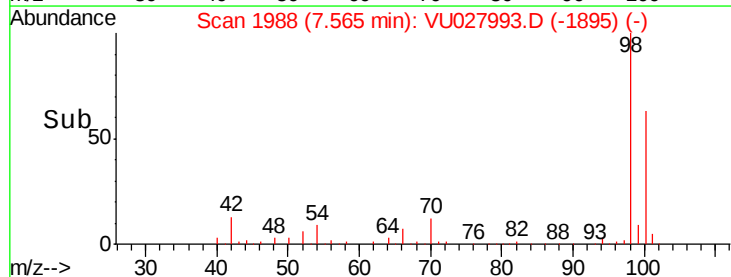
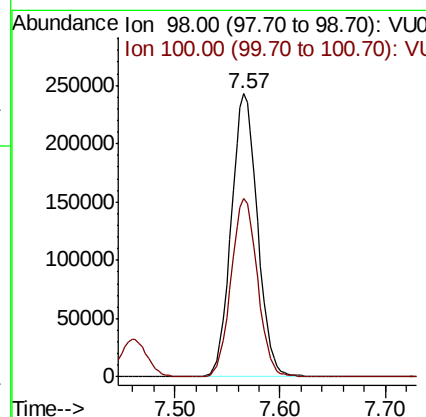
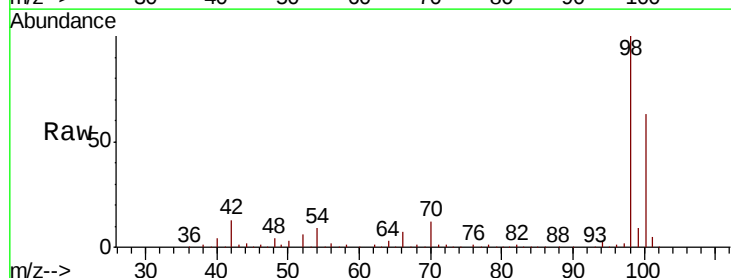
Manual Integrations
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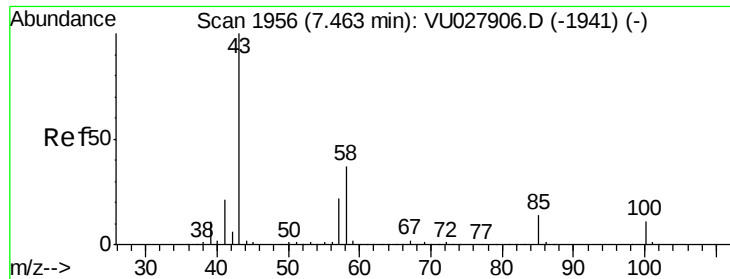
MMDadoda
11/8/2018 9:11:02 AM



#50
Toluene-d8
Concen: 48.713 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 90.263 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 43 Resp: 509431

Ion Ratio Lower Upper

43 100

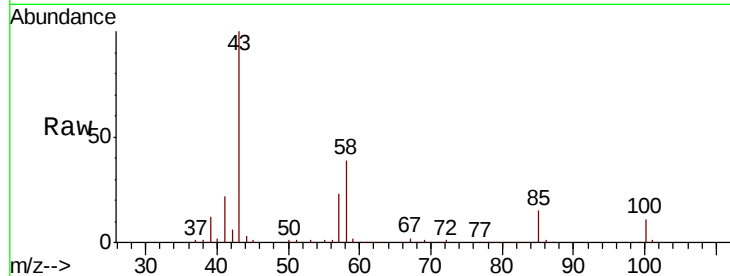
58 37.7 29.5 44.3

Manual Integrations

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MMDadoda

11/8/2018 9:11:02 AM



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

Ion 58.00 (57.70 to 58.70): VU027906.D

7.46

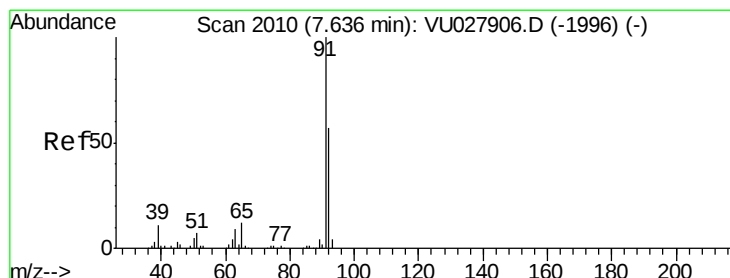
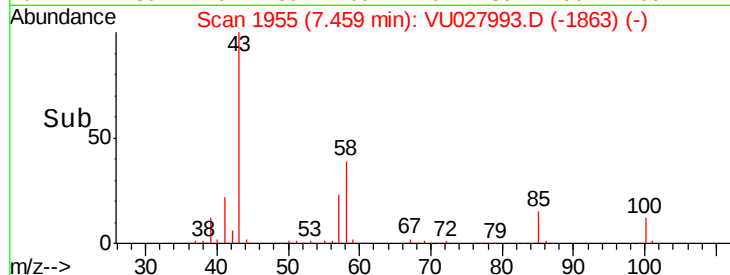
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.800 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027993.D

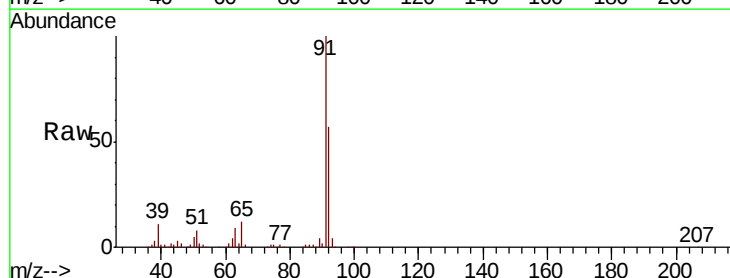
Acq: 07 Nov 2018 10:06

Tgt Ion: 92 Resp: 124401

Ion Ratio Lower Upper

92 100

91 176.9 141.2 211.8



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

Ion 91.00 (90.70 to 91.70): VU027906.D

7.64

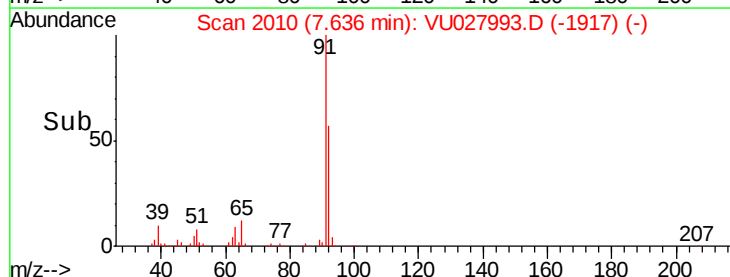
150000

100000

50000

0

Time-->





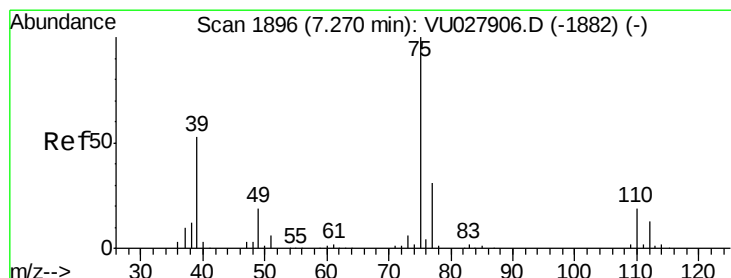
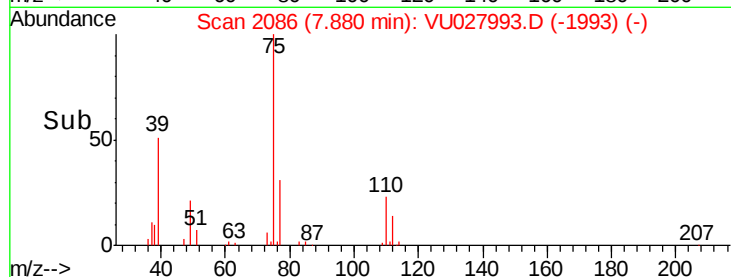
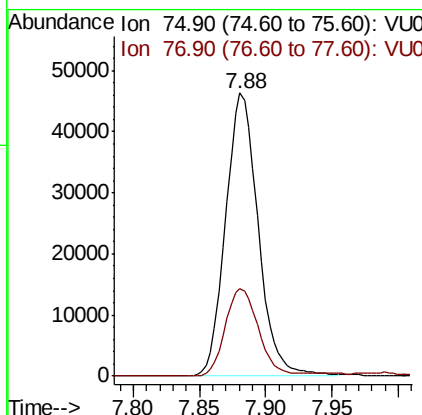
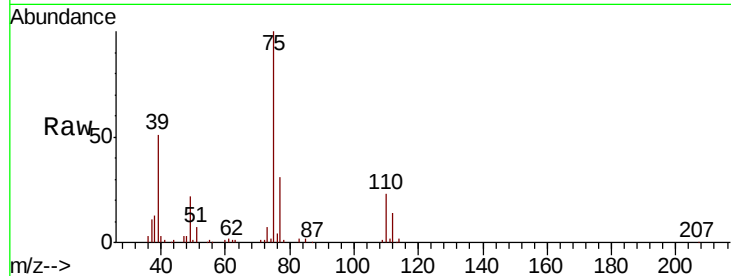
#53
t-1,3-Dichloropropene
Concen: 18.497 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampled :
VU1107WBS01

Tot Ion: 75 Resp: 79264
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

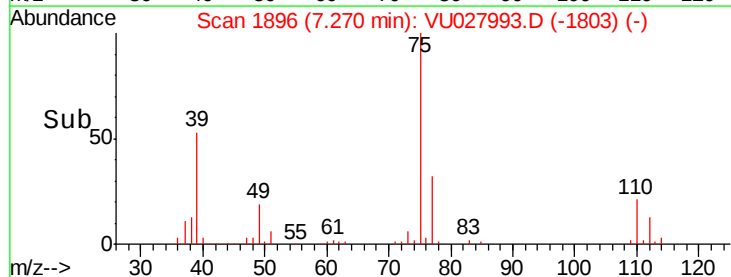
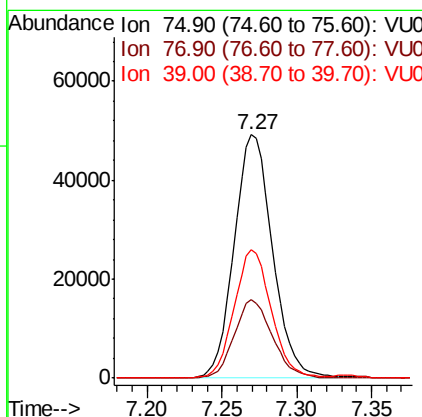
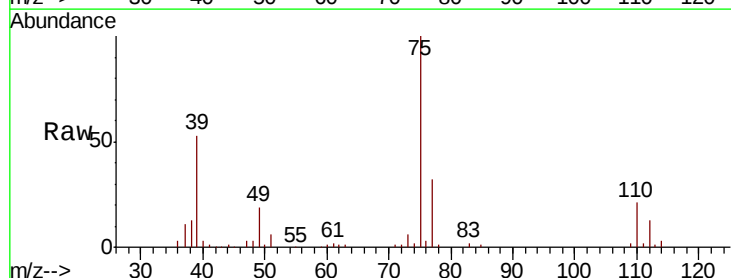
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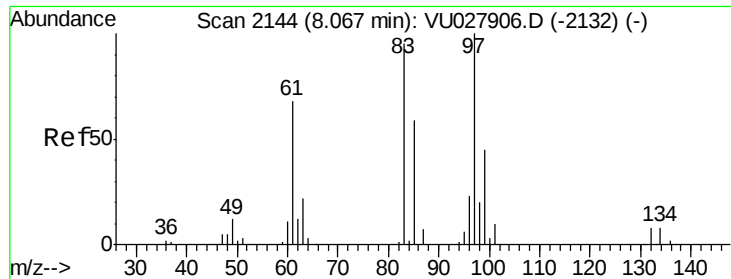
MMDadoda
11/8/2018 9:11:02 AM



#54
cis-1,3-Dichloropropene
Concen: 19.811 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion: 75 Resp: 87814
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0
39 52.8 42.6 64.0





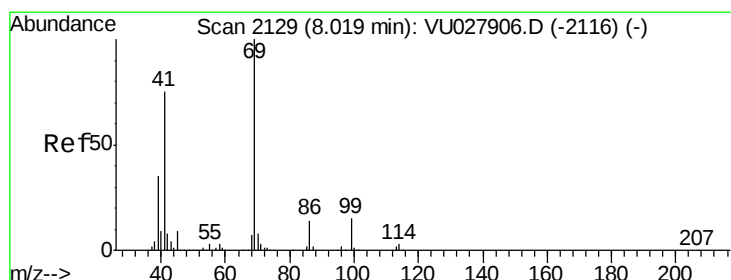
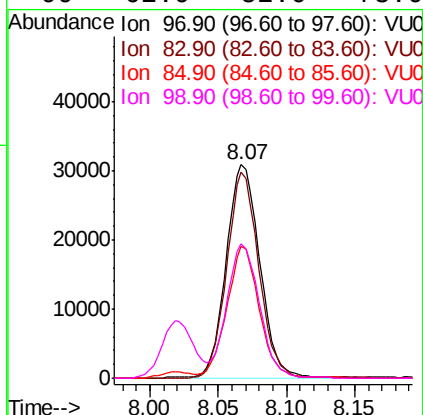
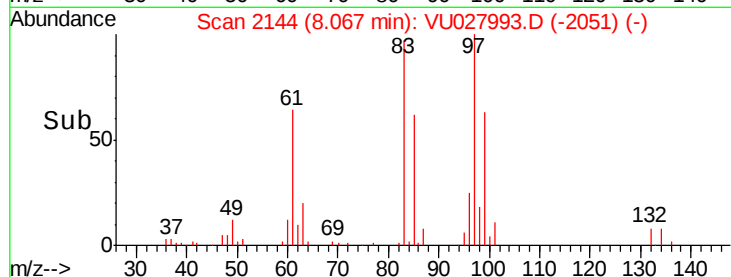
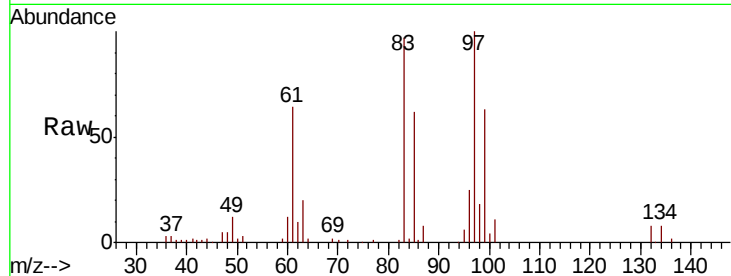
#55
 1,1,2-Trichloroethane
 Concen: 19.667 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Tot Ion:	97	Resp:	52945
Ion	Ratio	Lower	Upper
97	100		
83	96.6	76.1	114.1
85	61.2	48.9	73.3
99	62.9	52.0	78.0

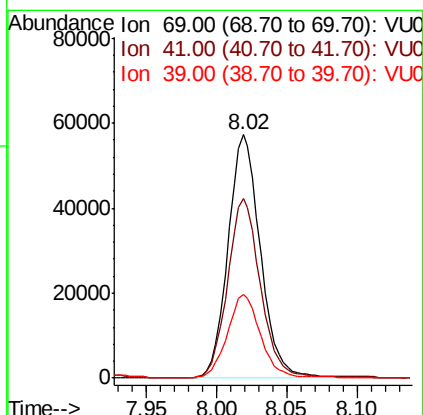
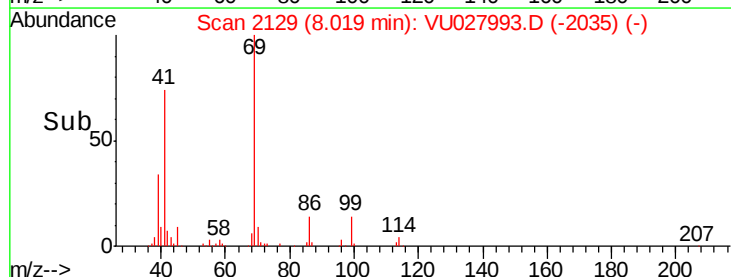
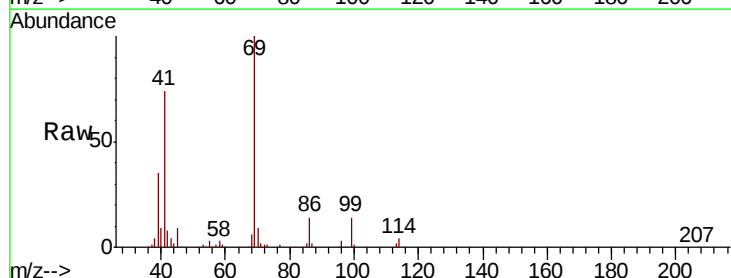
Manual Integrations
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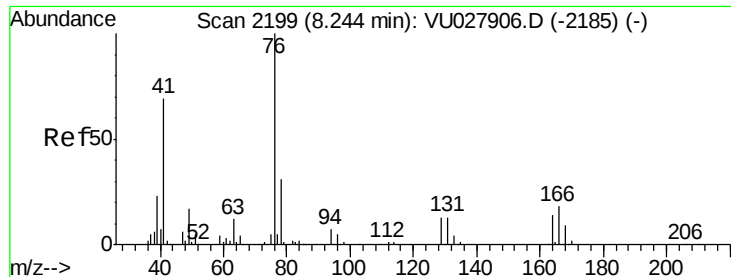
MMDadoda
 11/8/2018 9:11:02 AM



#56
 Ethyl methacrylate
 Concen: 19.352 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion:	69	Resp:	91873
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.8	89.6
39	34.3	28.6	42.8





#57

1,3-Dichloropropane

Concen: 19.325 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 76 Resp: 94770

Ion Ratio Lower Upper

76 100

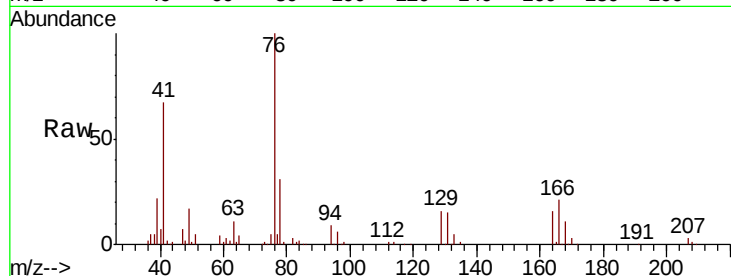
78 31.9 25.3 37.9

Manual Integrations

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MMDadoda

11/8/2018 9:11:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D

Ion 77.90 (77.60 to 78.60): VU027993.D

8.24

60000

50000

40000

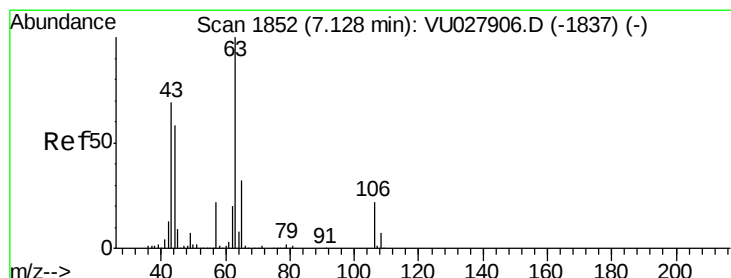
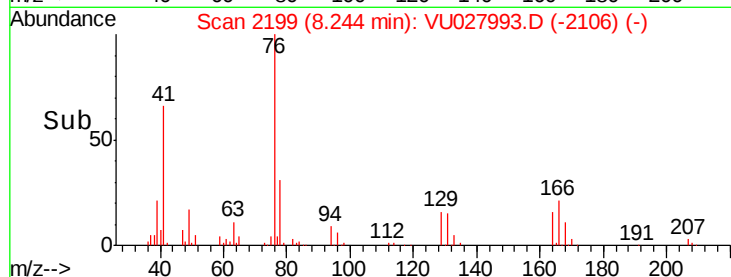
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 95.063 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027993.D

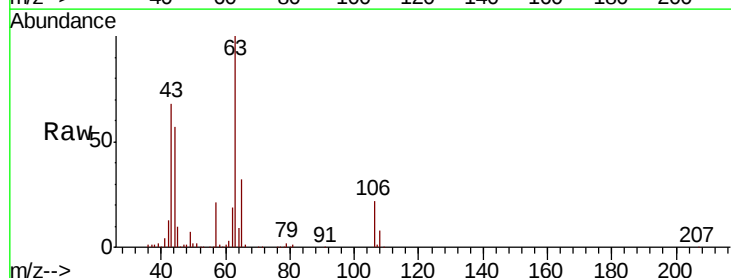
Acq: 07 Nov 2018 10:06

Tgt Ion: 63 Resp: 241713

Ion Ratio Lower Upper

63 100

106 22.1 17.8 26.6



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

Ion 105.90 (105.60 to 106.60): VU027993.D

7.13

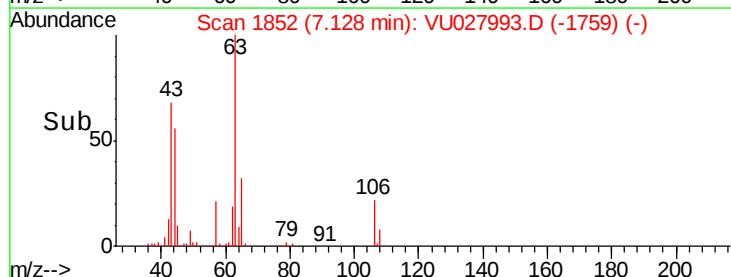
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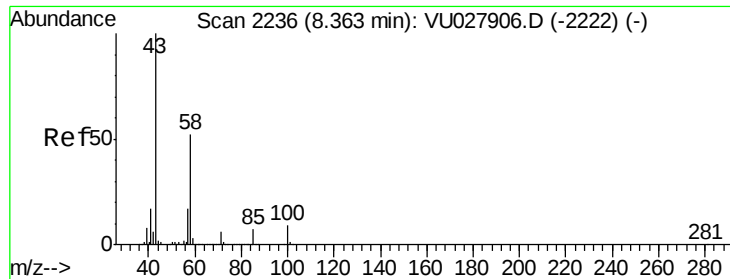
100000

50000

0

Time--> 7.10 7.20 7.30





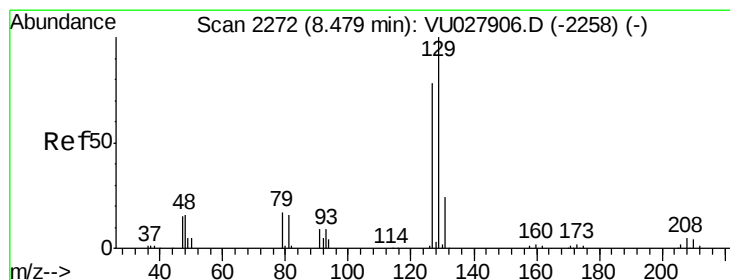
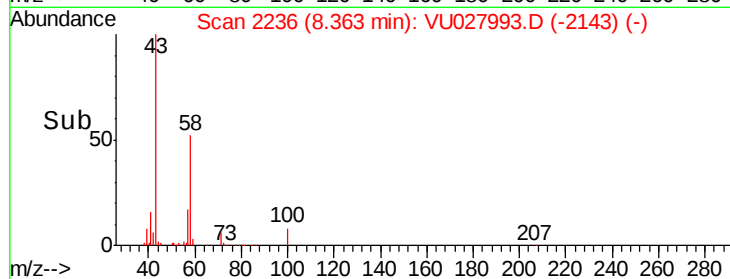
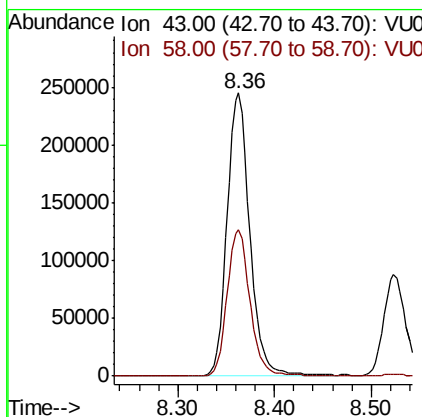
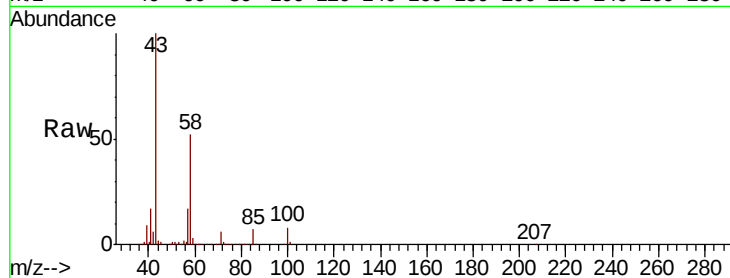
#59
2-Hexanone
Concen: 91.864 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion: 43 Resp: 400995
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3

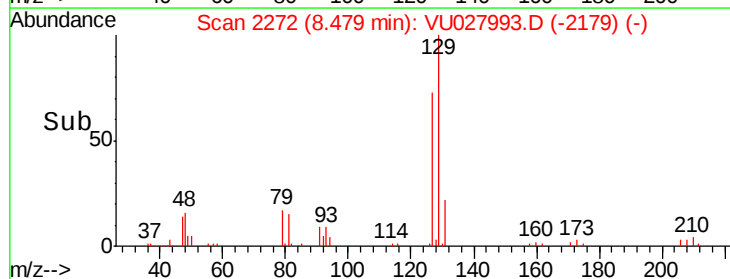
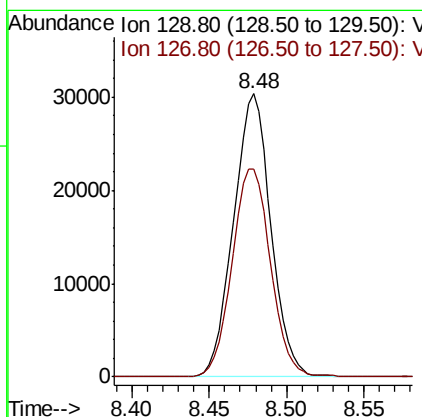
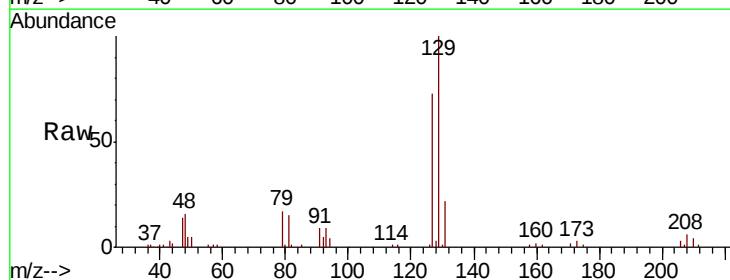
Manual Integrations
APPROVED

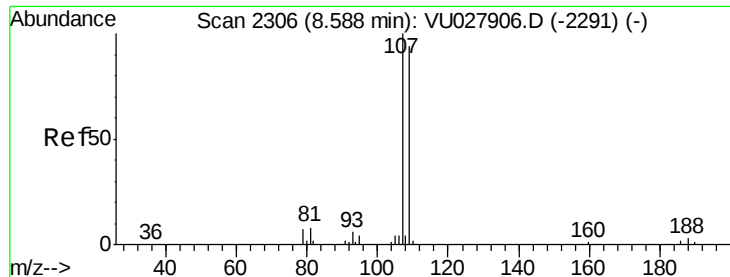
MMDadoda
11/8/2018 9:11:02 AM



#60
Dibromochloromethane
Concen: 19.980 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion: 129 Resp: 50899
Ion Ratio Lower Upper
129 100
127 75.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.024 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion:107 Resp: 54420

Ion Ratio Lower Upper

107 100

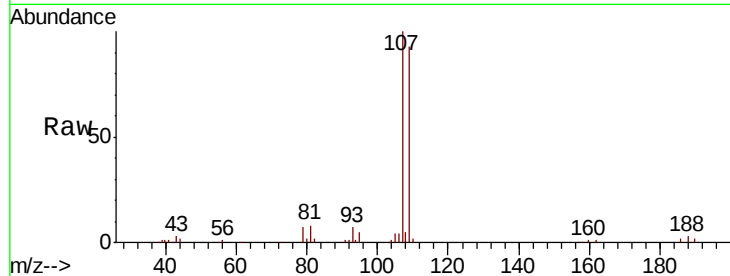
109 95.1 73.8 110.8

Manual Integrations

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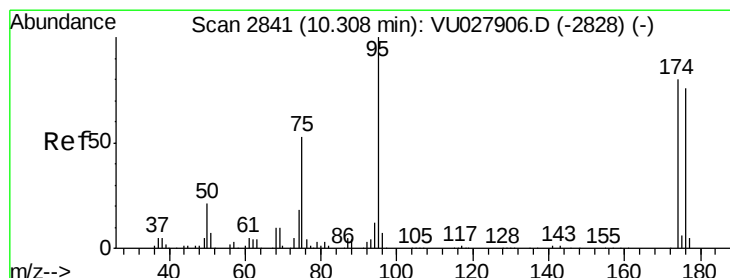
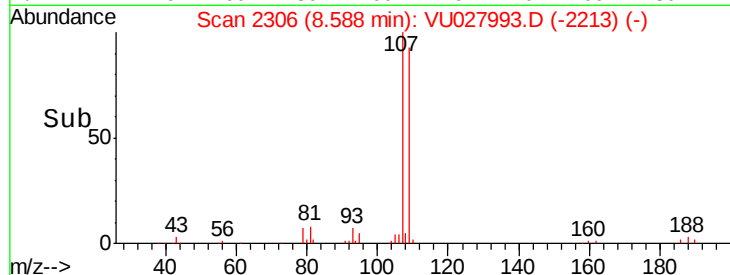
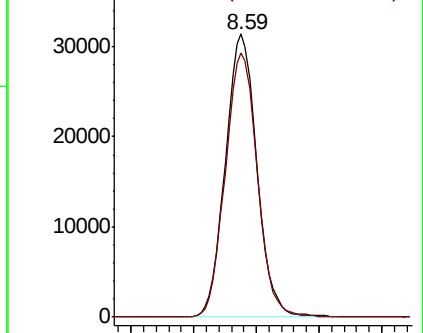
MMDadoda

11/8/2018 9:11:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.698 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

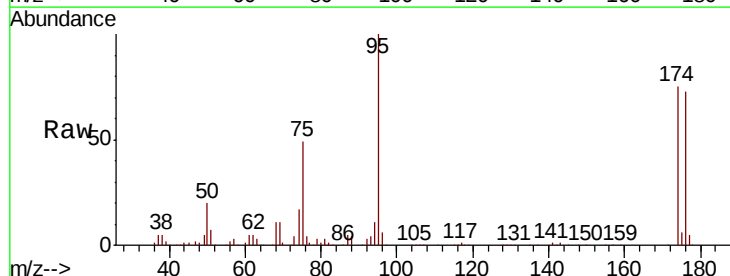
Tgt Ion: 95 Resp: 156936

Ion Ratio Lower Upper

95 100

174 75.4 0.0 156.4

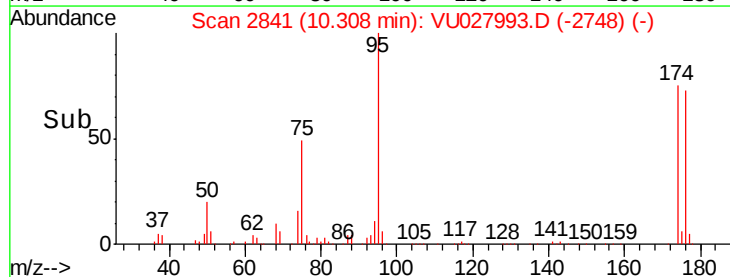
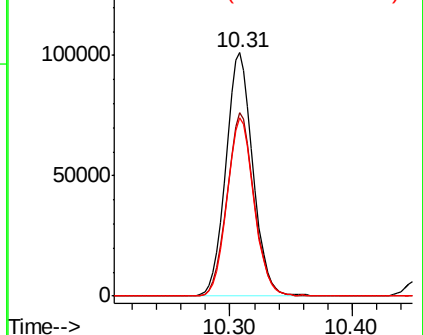
176 72.8 0.0 150.8

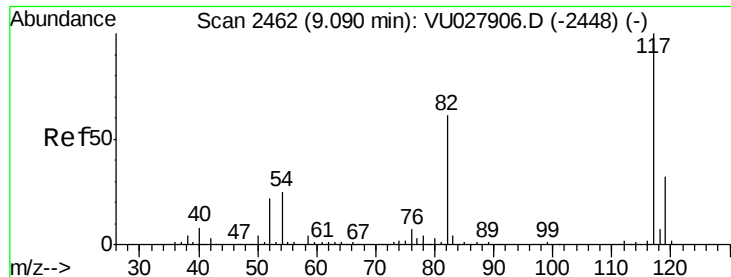


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





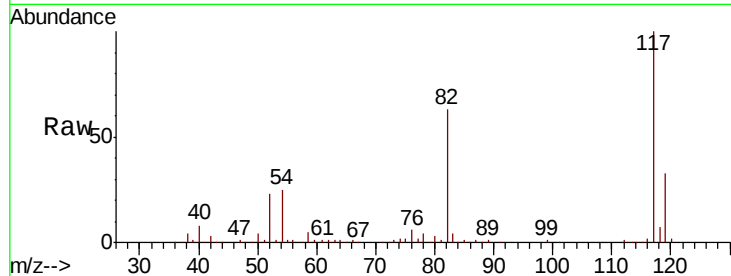
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	48.6	73.0
119	32.6	25.8	38.8

Manual Integrations
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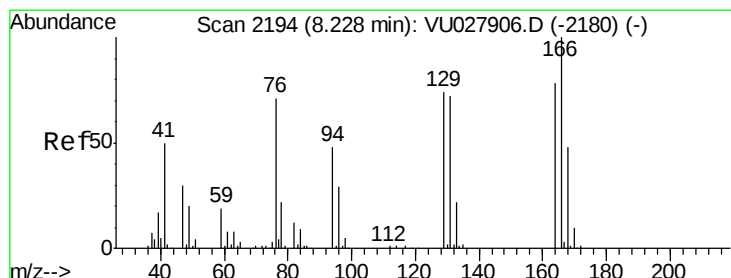
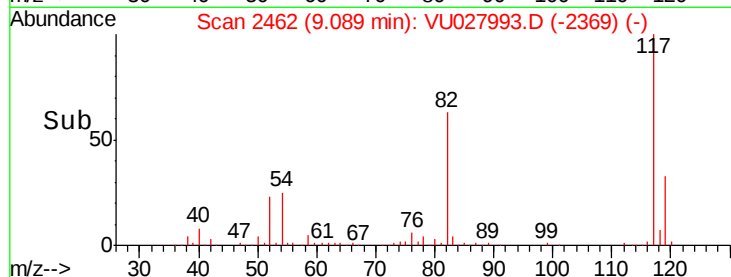
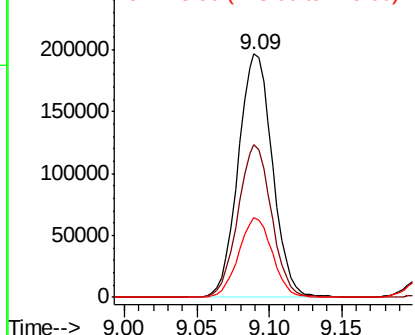


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.290 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.1	153.1
129	93.8	75.9	113.9
131	96.0	73.0	109.6

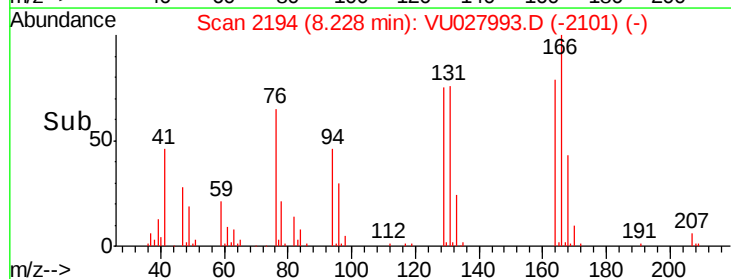
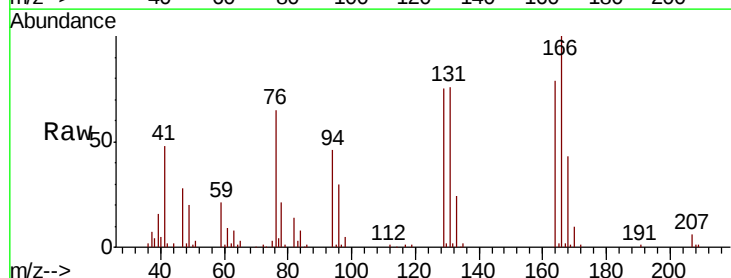
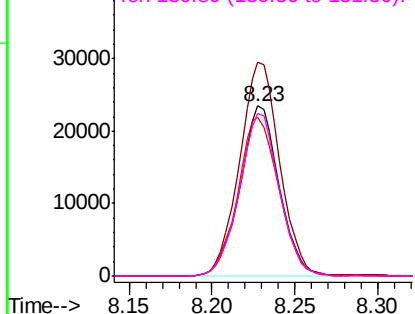
Abundance

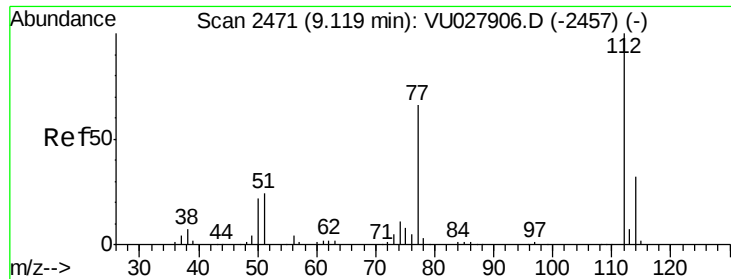
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





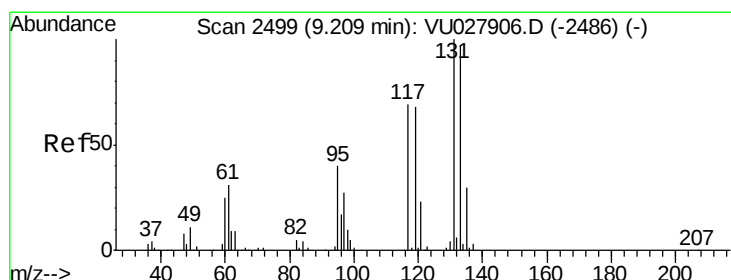
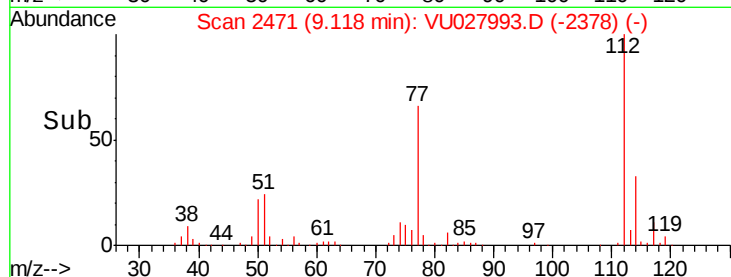
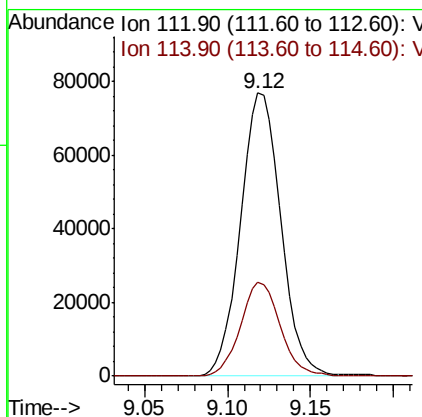
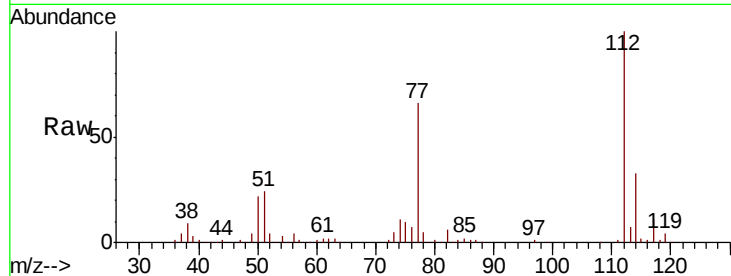
#65
Chlorobenzene
Concen: 19.128 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion:112 Resp: 130412
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8

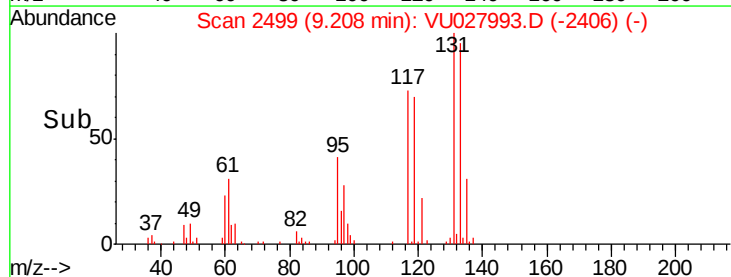
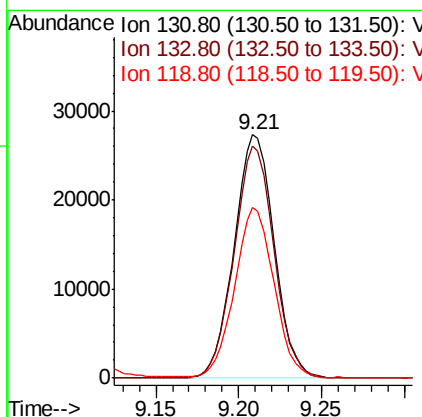
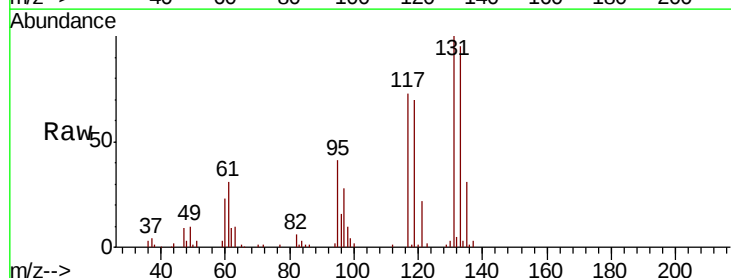
Manual Integrations
APPROVED

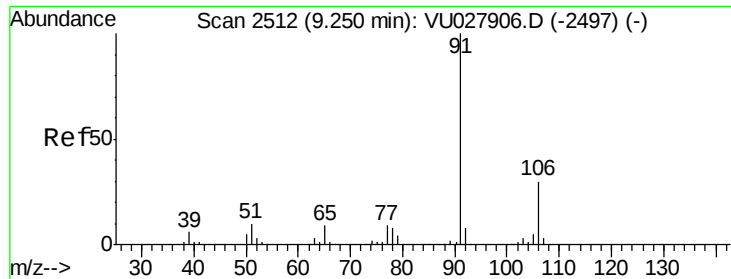
MMDadoda
11/8/2018 9:11:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.677 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion:131 Resp: 45821
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 69.3 34.0 101.8





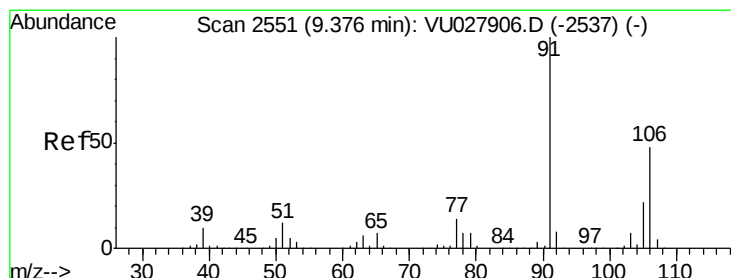
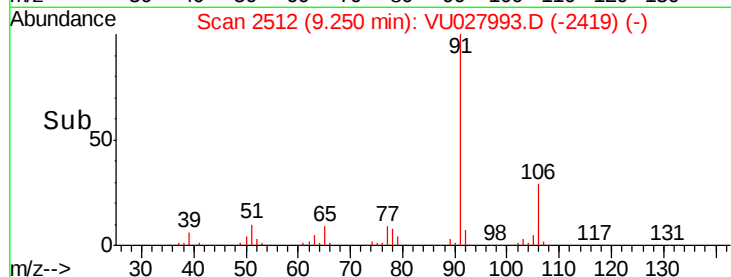
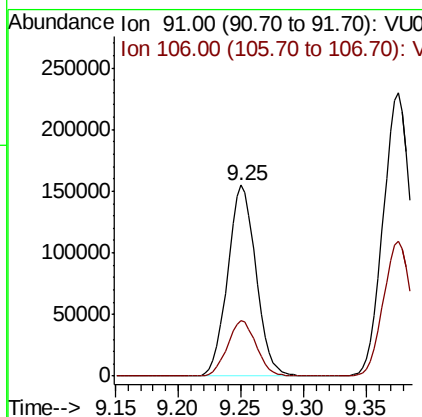
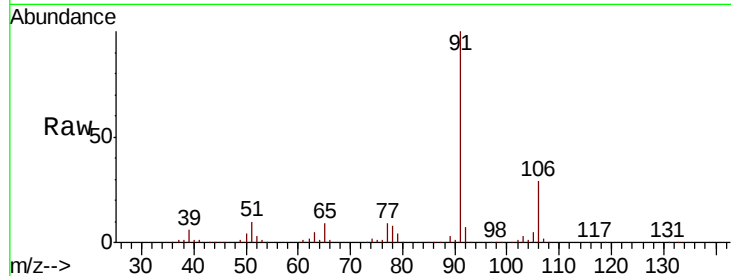
#67
Ethyl Benzene
Concen: 19.485 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampled :
VU1107WBS01

Tot Ion: 91 Resp: 244520
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

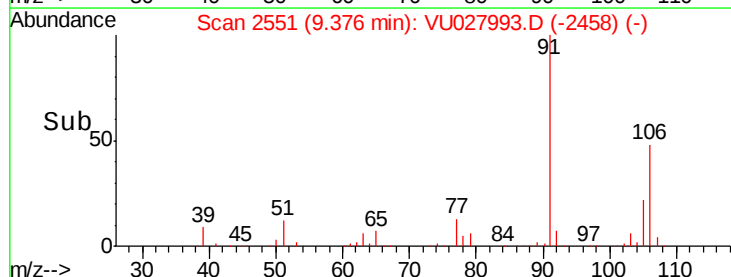
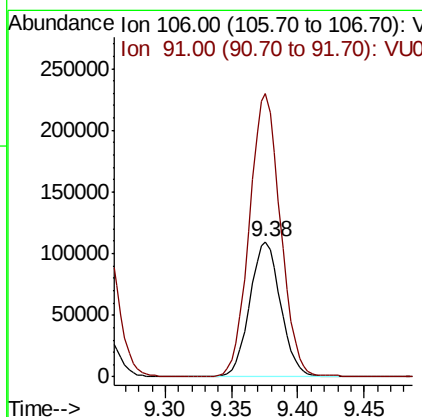
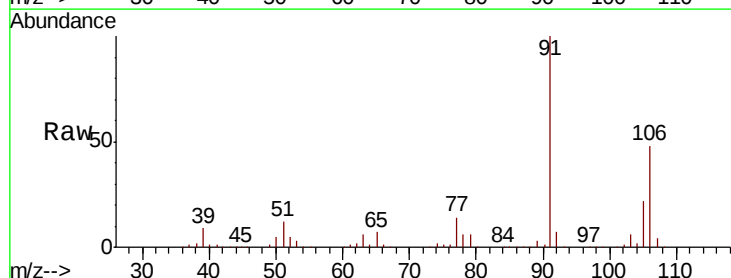
Manual Integrations
APPROVED

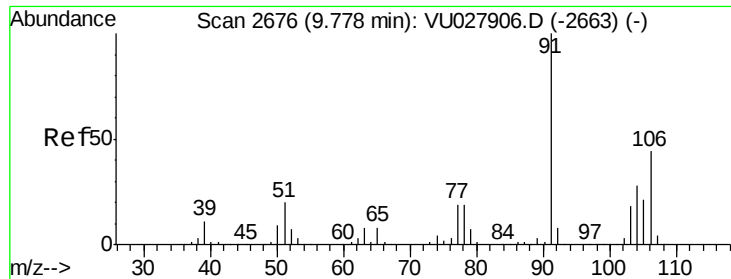
MMDadoda
11/8/2018 9:11:02 AM



#68
m/p-Xylenes
Concen: 39.058 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion: 106 Resp: 177848
Ion Ratio Lower Upper
106 100
91 209.9 168.2 252.4





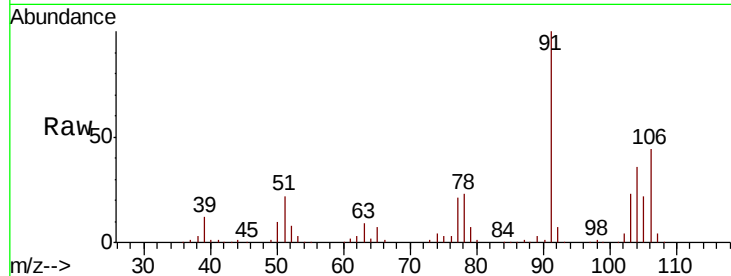
#69
o-Xylene
Concen: 19.107 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

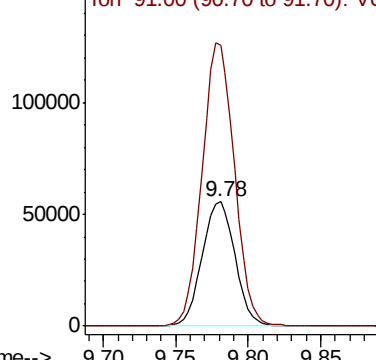
Tot Ion:106 Resp: 87855
Ion Ratio Lower Upper
106 100
91 223.2 111.1 333.4

Manual Integrations
APPROVED

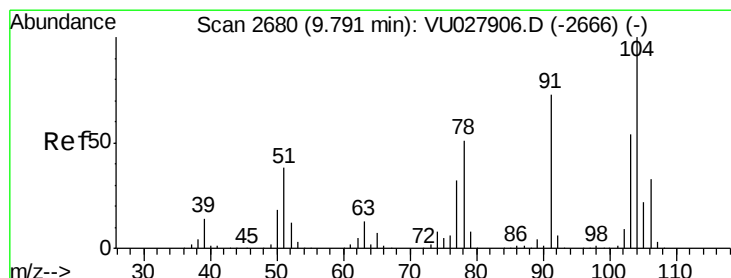
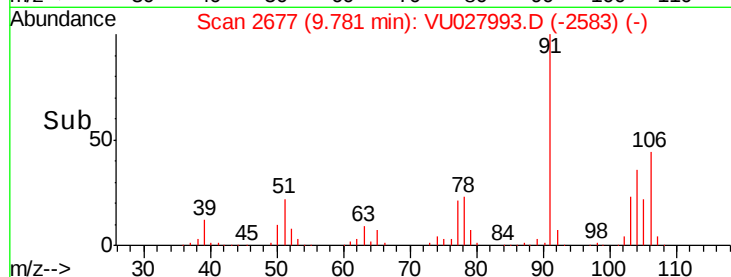
MMDadoda
11/8/2018 9:11:02 AM



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

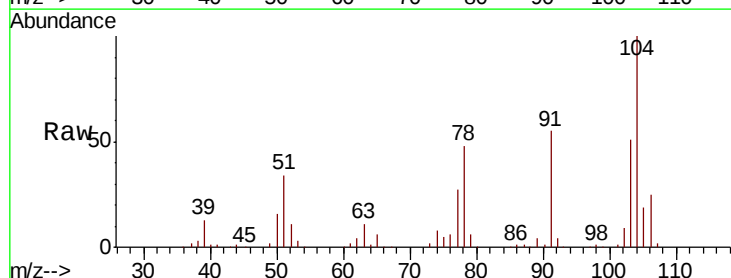


Time-->

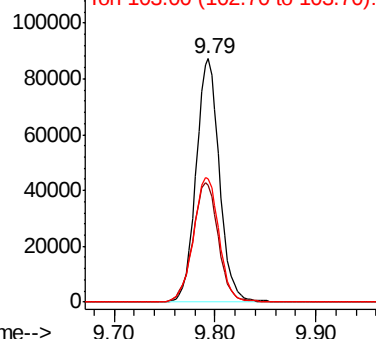


#70
Styrene
Concen: 19.257 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

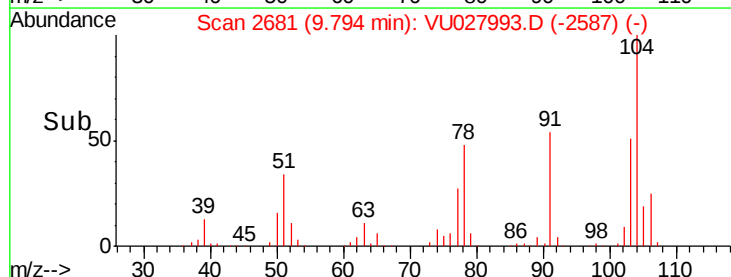
Tgt Ion:104 Resp: 141473
Ion Ratio Lower Upper
104 100
78 53.3 43.0 64.4
103 55.8 45.1 67.7



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



Time-->





#71

Bromoform

Concen: 19.039 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion:173 Resp: 37157

Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.8

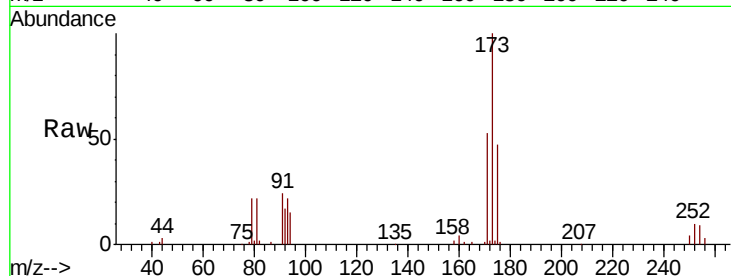
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

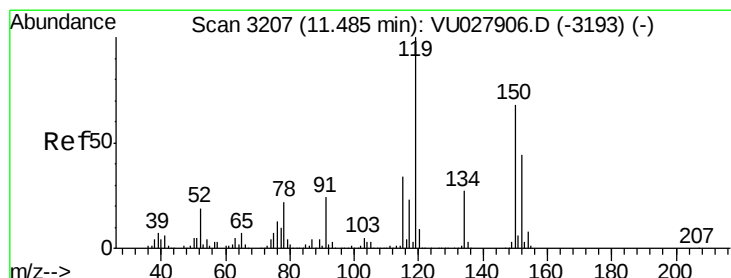
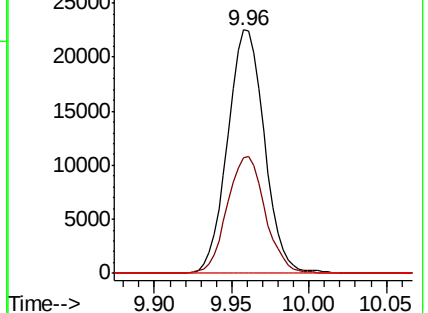
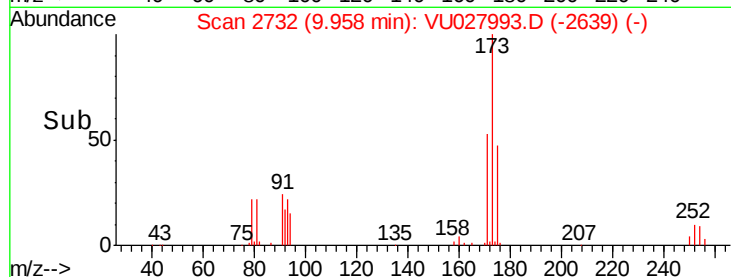
11/8/2018 9:11:02 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

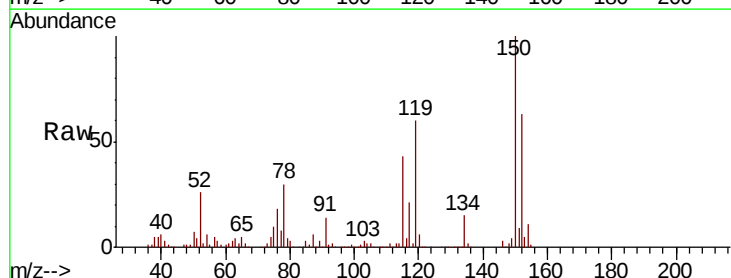
Tgt Ion:152 Resp: 152448

Ion Ratio Lower Upper

152 100

115 71.0 43.0 129.0

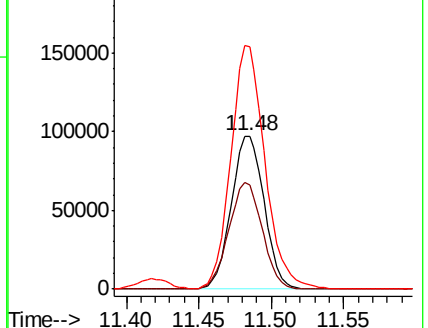
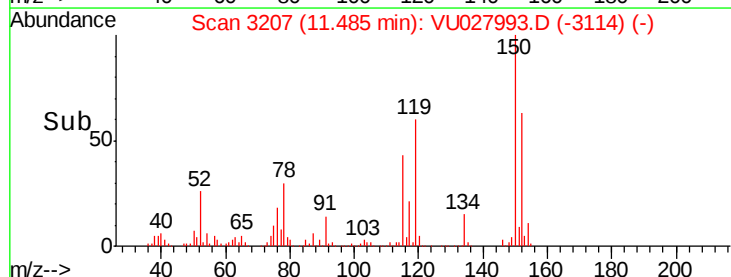
150 164.9 0.0 349.4



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: 19.920 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 105 Resp: 235258

Ion Ratio Lower Upper

105 100

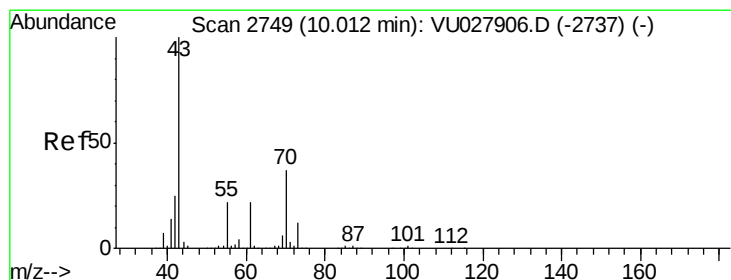
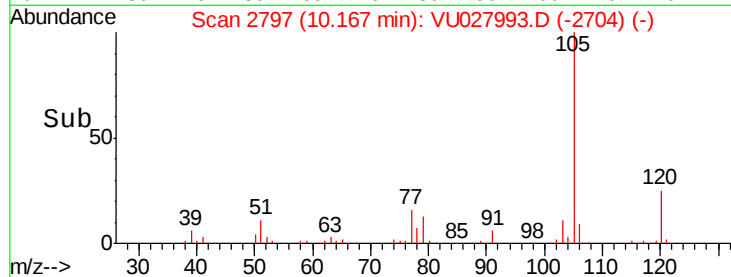
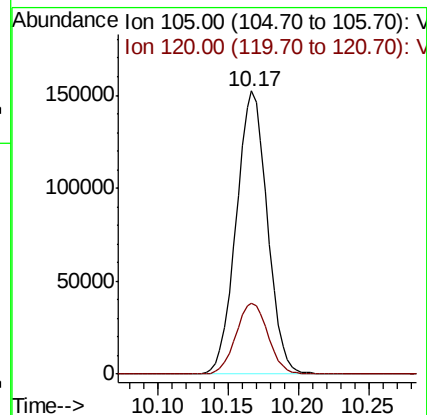
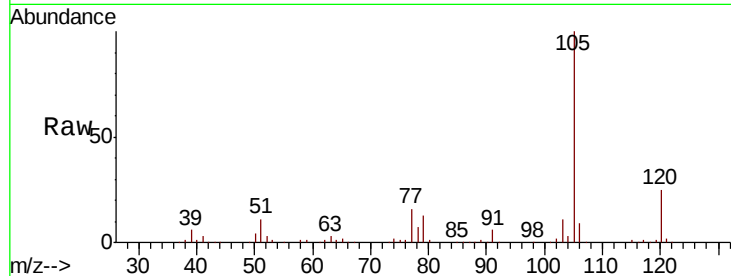
120 25.9 12.7 38.0

Manual Integrations

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MMDadoda

11/8/2018 9:11:02 AM



#74

N-ethyl acetate

Concen: 19.228 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion: 43 Resp: 137314

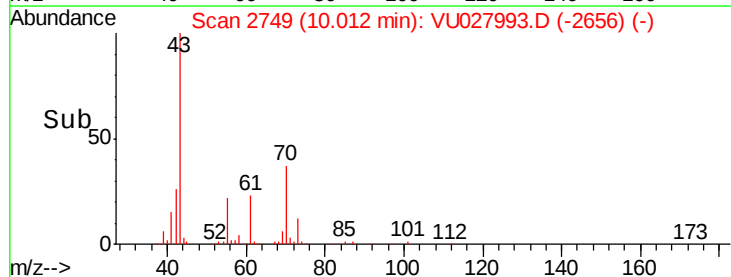
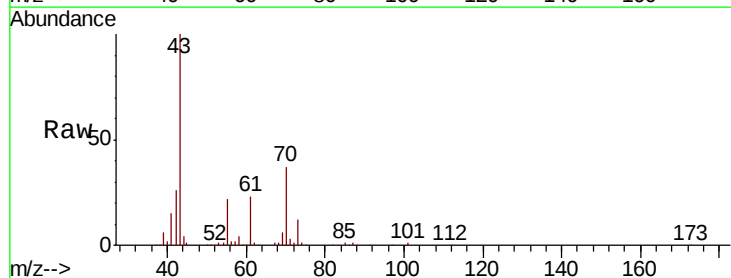
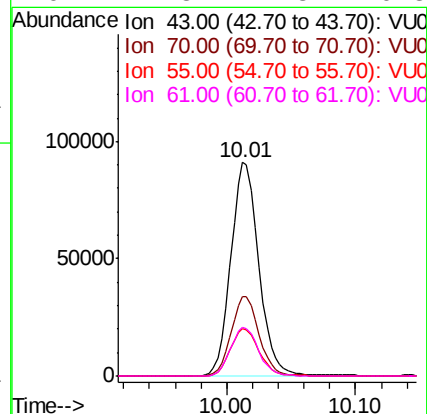
Ion Ratio Lower Upper

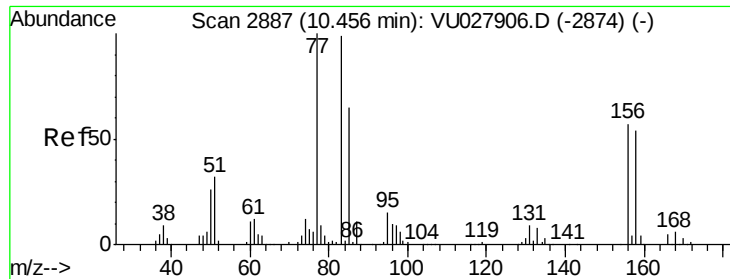
43 100

70 37.3 29.2 43.8

55 22.8 17.8 26.6

61 22.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.317 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion: 83 Resp: 92023

Ion Ratio Lower Upper

83 100

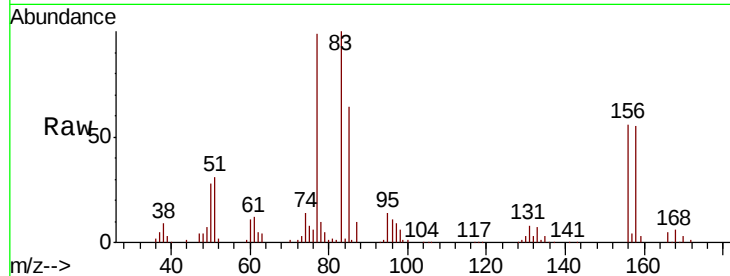
131 8.4 4.3 13.1

85 66.5 32.4 97.2

Manual Integrations
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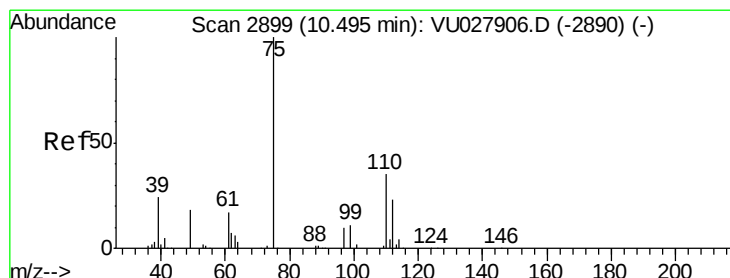
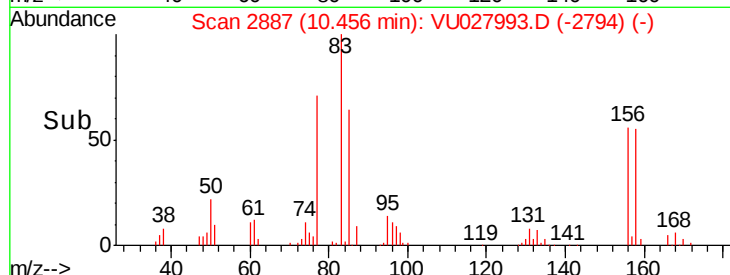
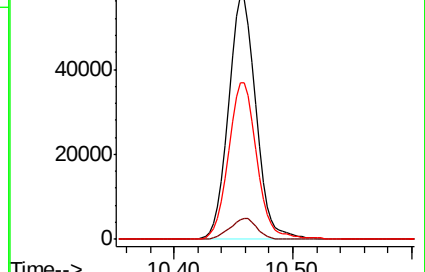
11/8/2018 9:11:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VU027993.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU027993.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU027993.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 21.875 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027993.D

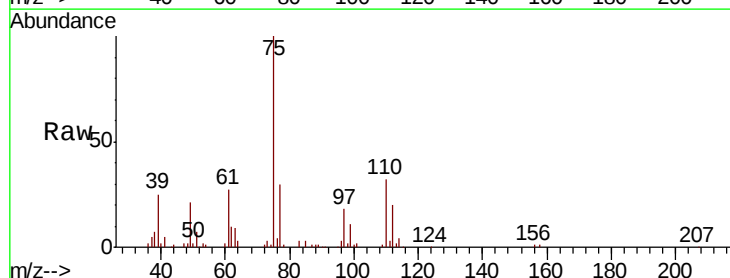
Acq: 07 Nov 2018 10:06

Tgt Ion: 75 Resp: 91216

Ion Ratio Lower Upper

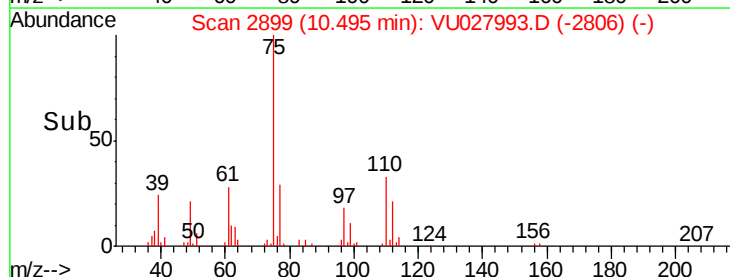
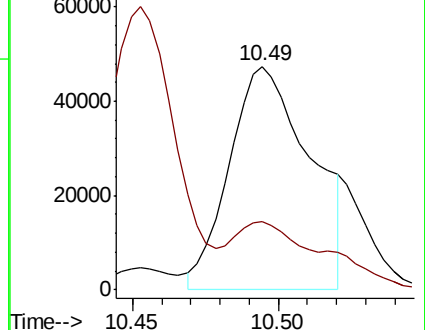
75 100

77 35.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027993.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027993.D (-2806) (-)





#77

Bromobenzene

Concen: 19.948 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

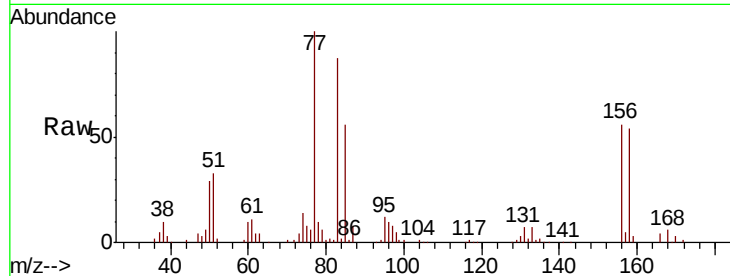
ClientSampleId :

VU1107WBS01

Tot Ion:	156	Resp:	54021
Ion Ratio	Lower	Upper	
156	100		
77	182.5	91.8	275.6
158	98.7	48.4	145.2

Manual Integrations
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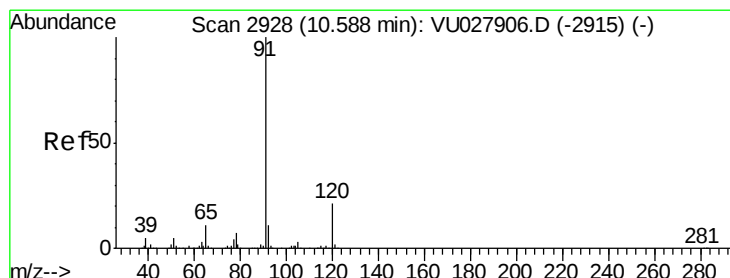
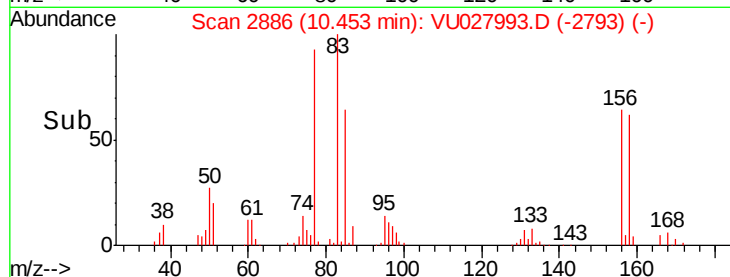
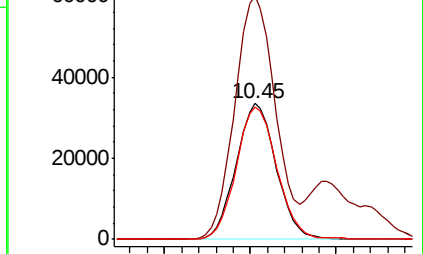
MMDadoda
11/8/2018 9:11:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.861 ug/l

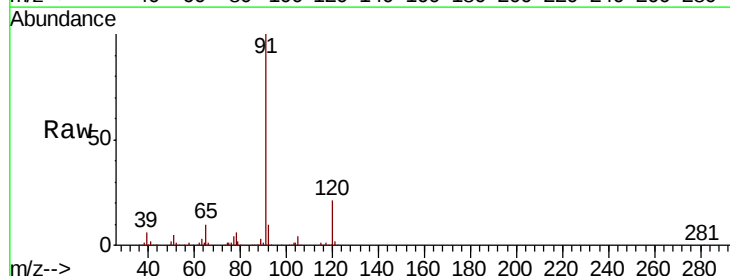
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027993.D

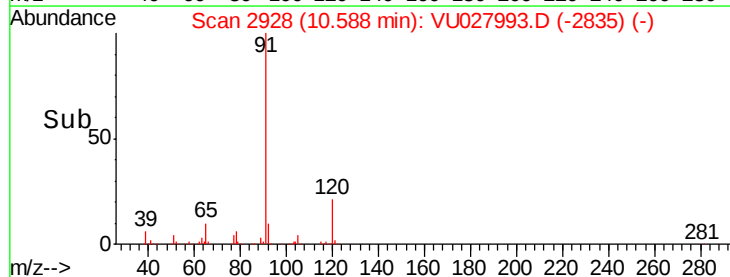
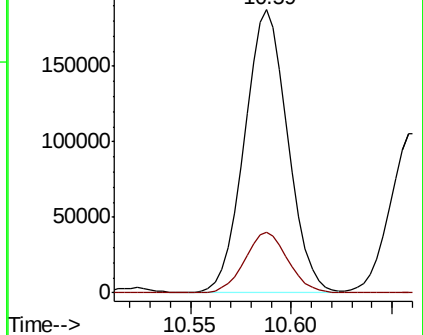
Acq: 07 Nov 2018 10:06

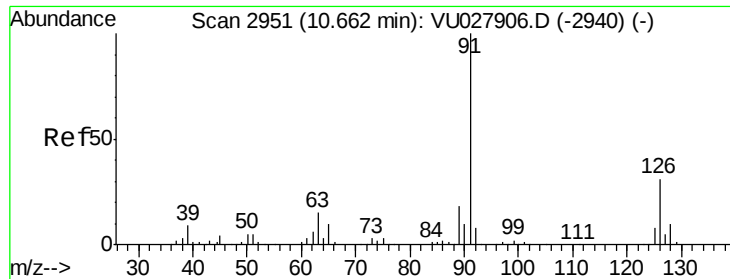
Tgt Ion:	91	Resp:	280769
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





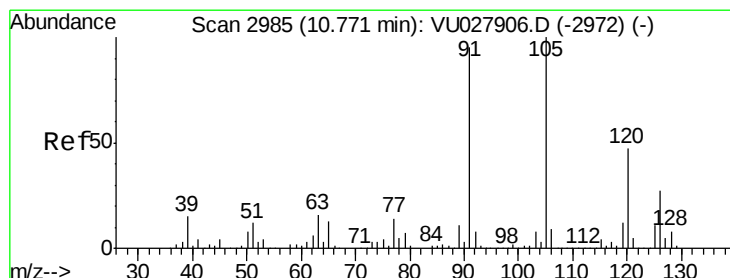
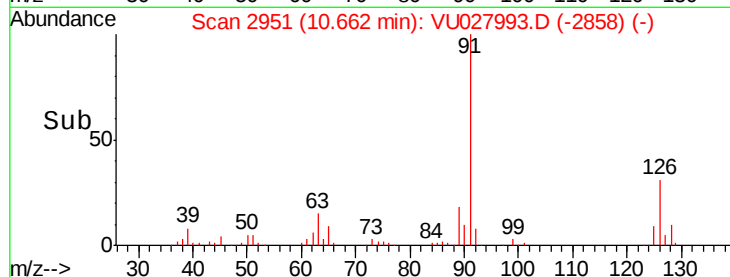
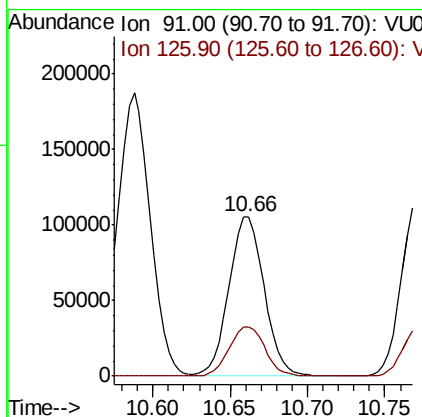
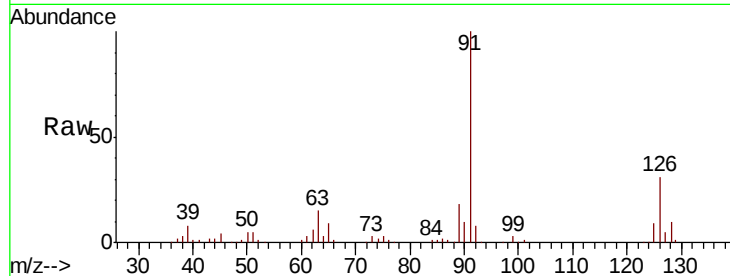
#79
 2-Chlorotoluene
 Concen: 19.509 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Tot Ion: 91 Resp: 165311
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.0 47.9

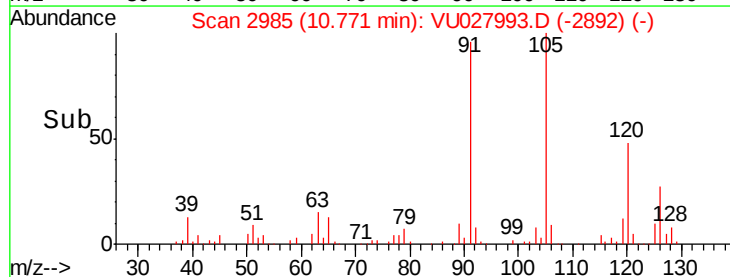
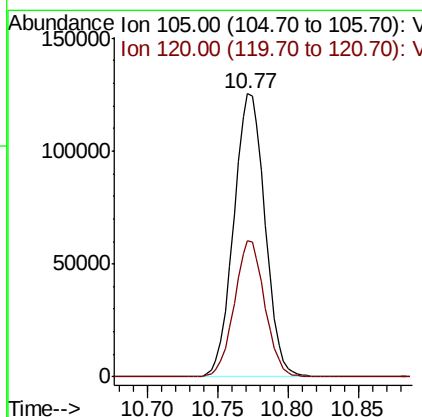
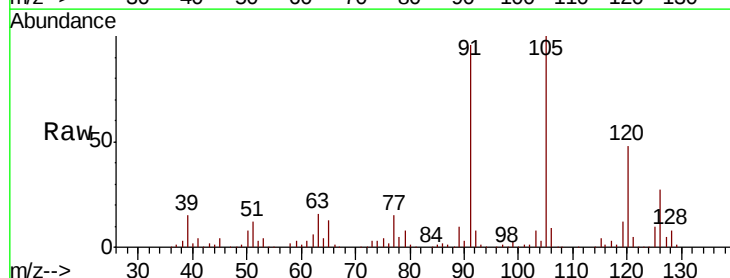
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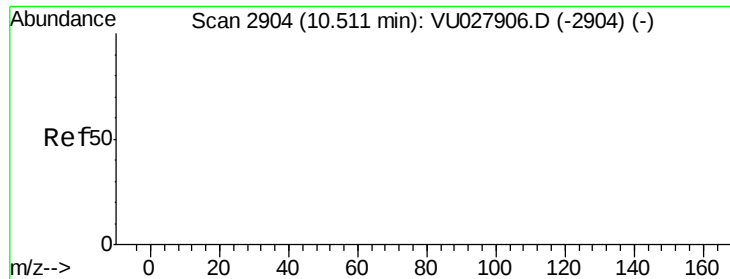
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 11/8/2018 9:11:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.919 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion: 105 Resp: 194878
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9





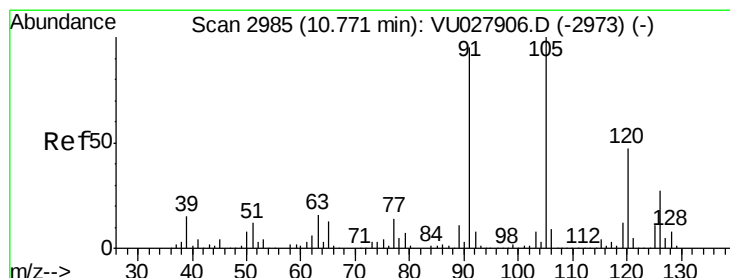
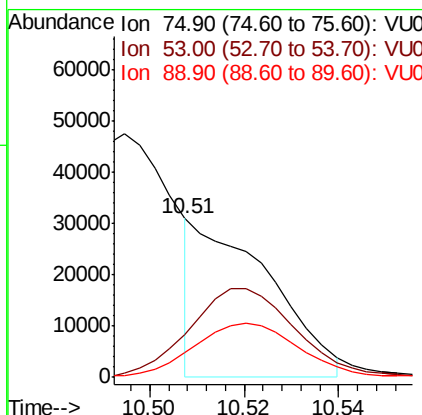
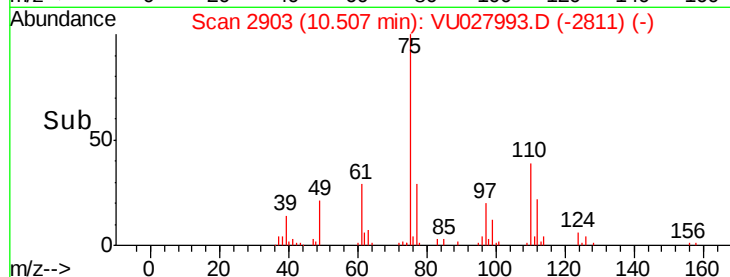
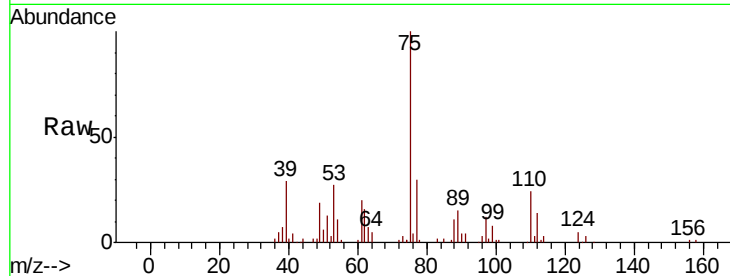
#81
trans-1,4-Dichloro-2-butene
Concen: 20.802 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

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

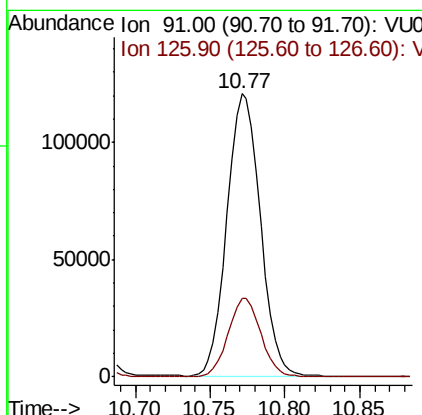
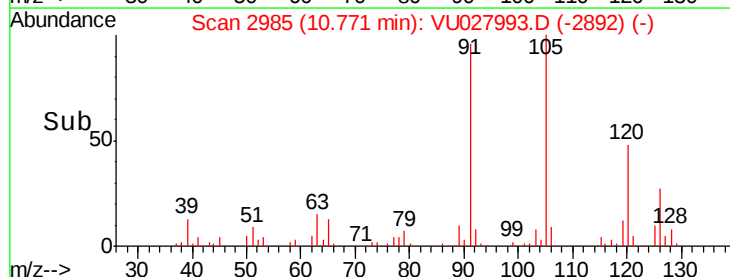
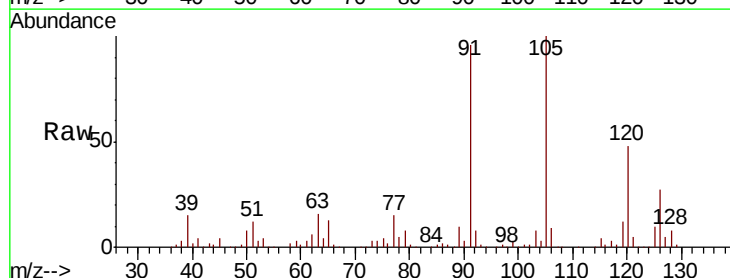
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#82
4-Chlorotoluene
Concen: 19.456 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.2	42.6





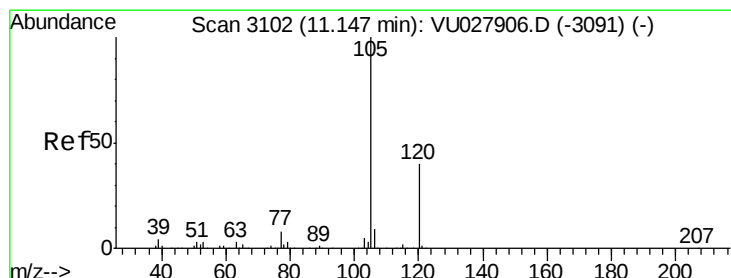
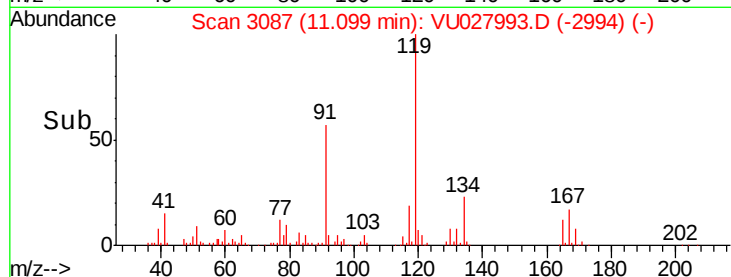
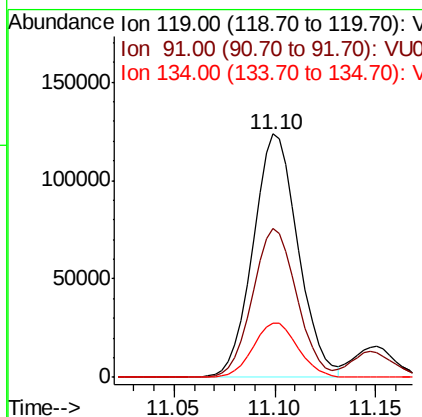
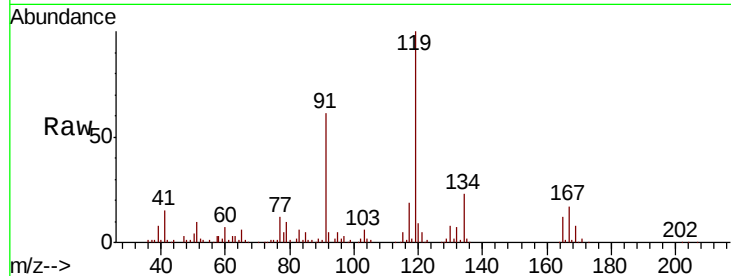
#83
tert-Butylbenzene
Concen: 19.678 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	29.8	89.3
134	22.3	11.1	33.1

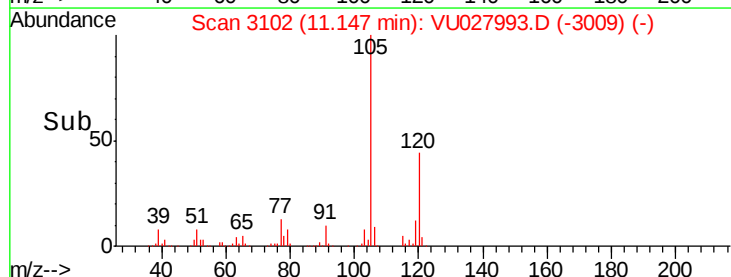
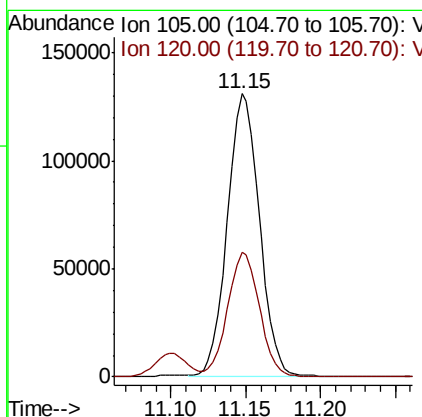
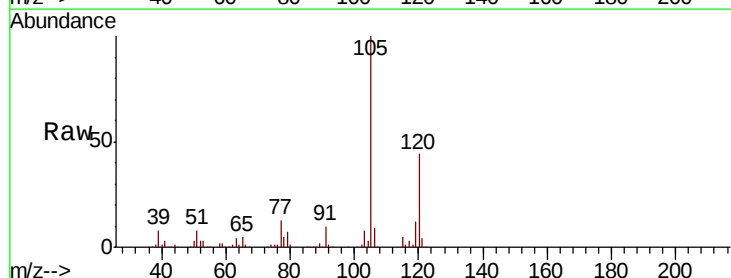
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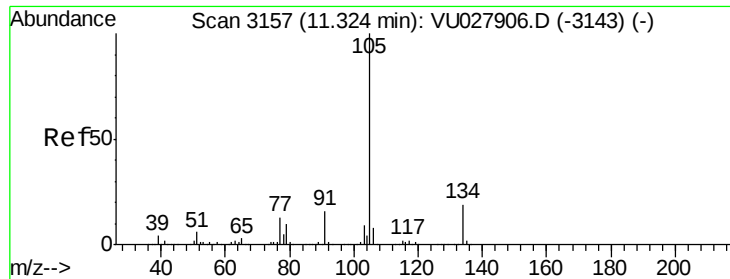
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#84
1,2,4-Trimethylbenzene
Concen: 19.827 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 20.300 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBS01

Tot Ion:105 Resp: 241456

Ion Ratio Lower Upper

105 100

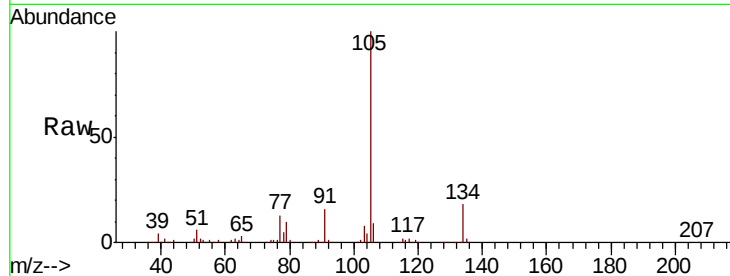
134 18.4 9.2 27.6

Manual Integrations

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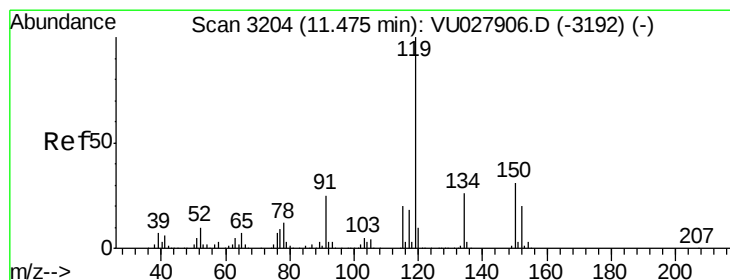
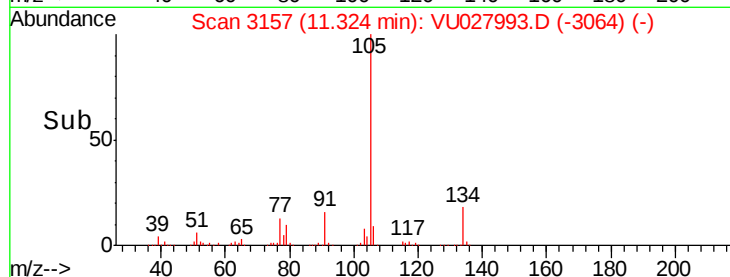
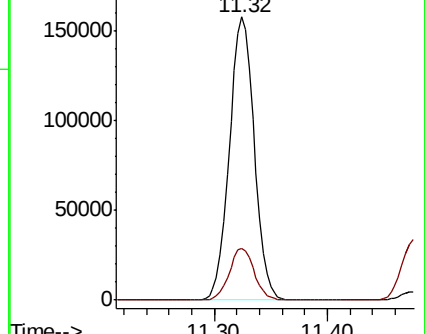
MMDadoda

11/8/2018 9:11:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.526 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

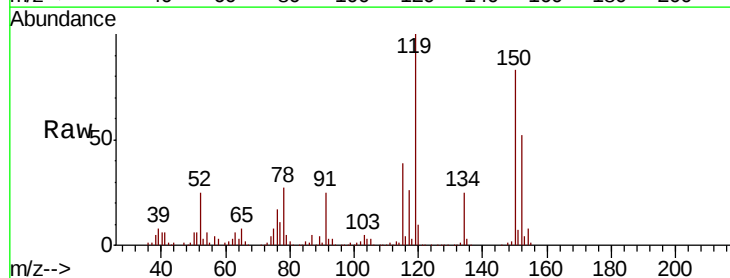
Tgt Ion:119 Resp: 204102

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

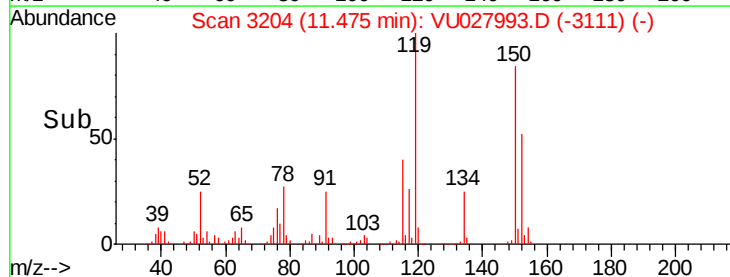
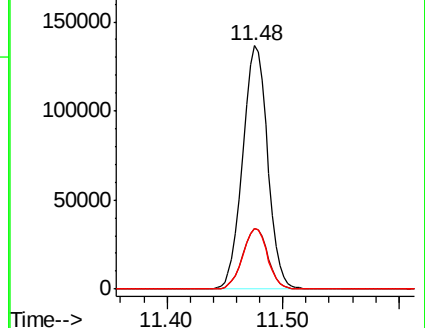
91 24.8 12.4 37.2

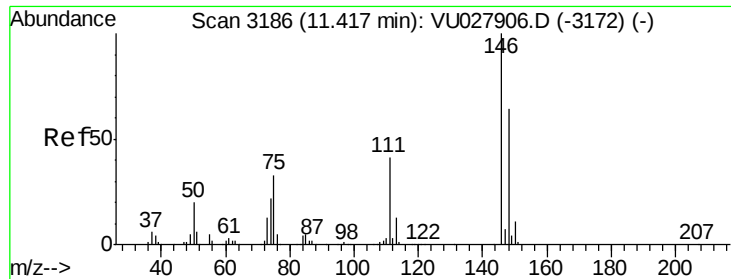


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 19.460 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Instrument :

MSVOA_U

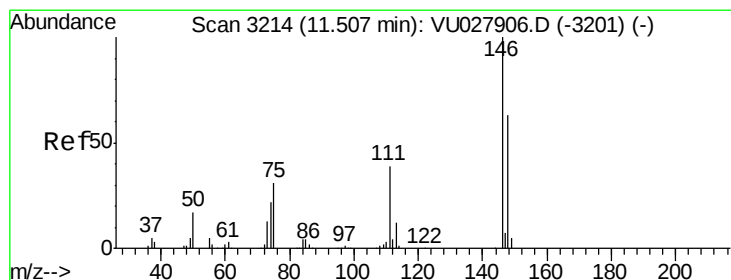
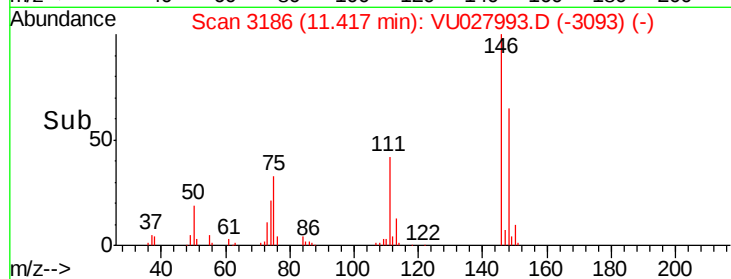
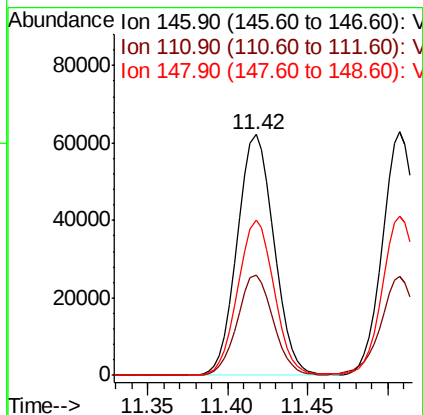
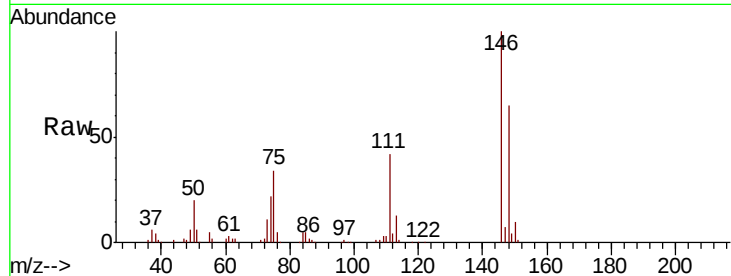
ClientSampleId :

VU1107WBS01

Tot Ion:	146	Resp:	97348
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	61.0
148	63.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.297 ug/l

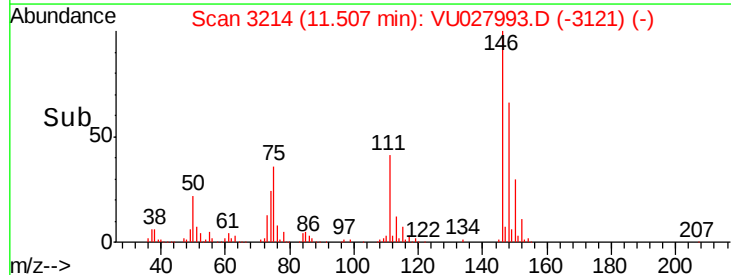
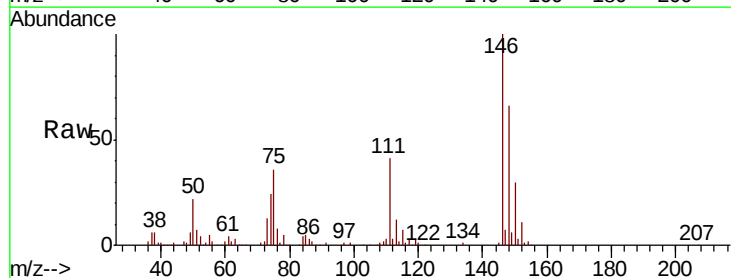
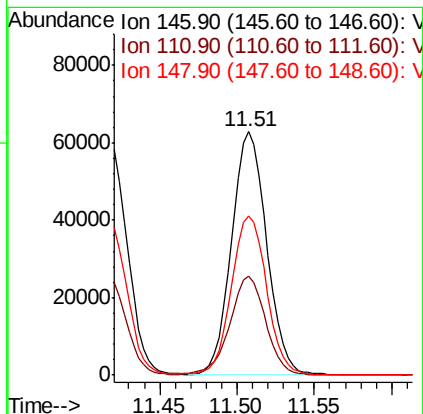
RT: 11.51 min Scan# 3214

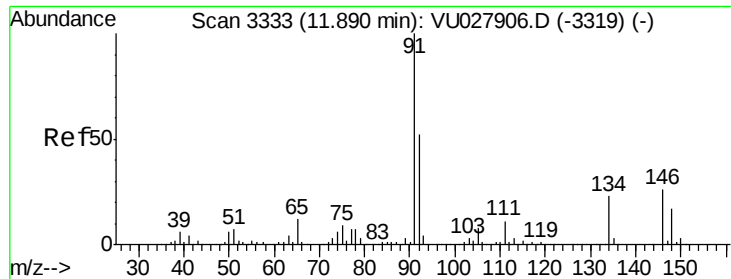
Delta R.T. -0.00 min

Lab File: VU027993.D

Acq: 07 Nov 2018 10:06

Tgt Ion:	146	Resp:	98945
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.3	60.9
148	65.9	32.0	96.2





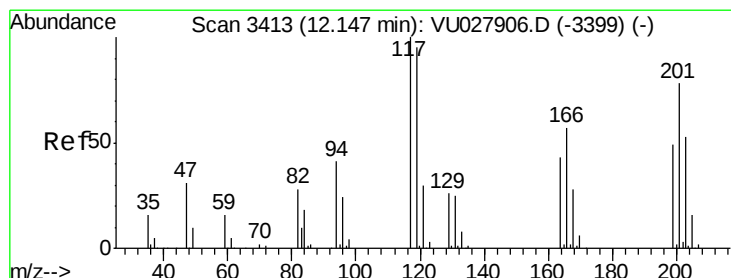
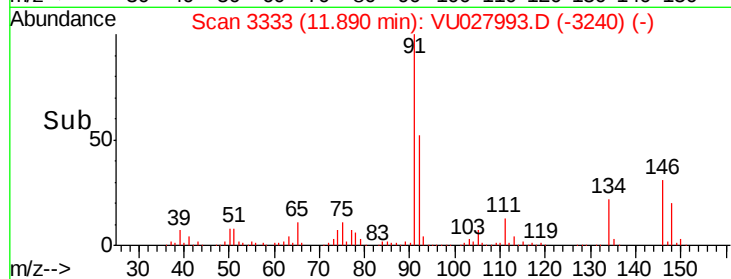
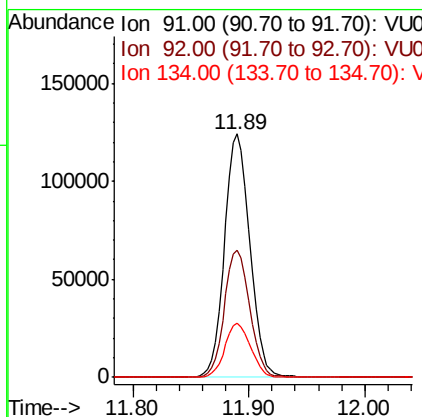
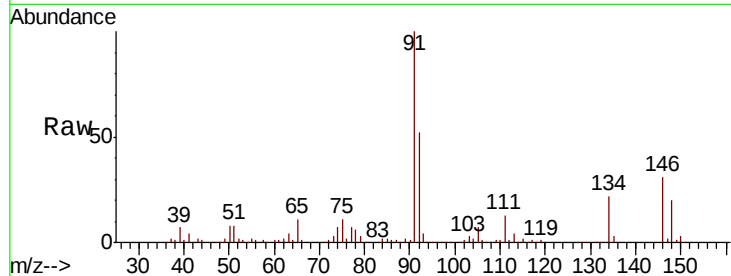
#89
n-Butylbenzene
Concen: 19.970 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	22.6	11.5	34.5

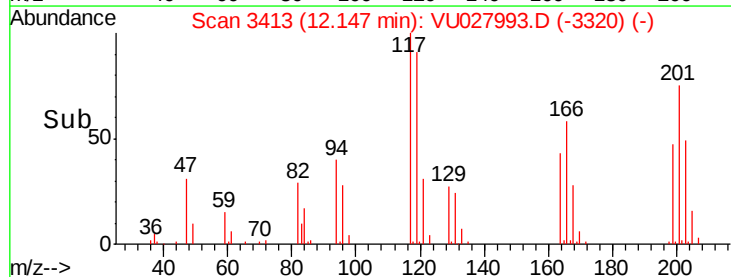
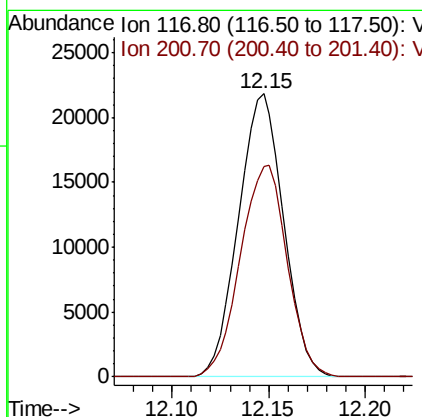
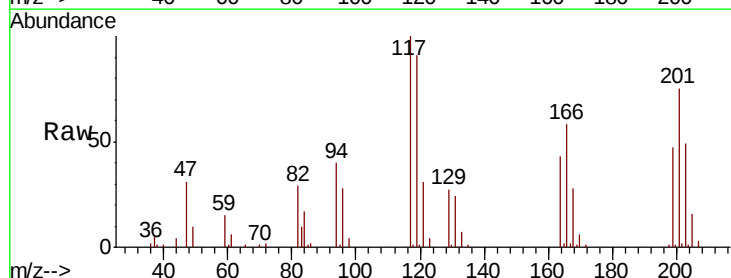
Manual Integrations
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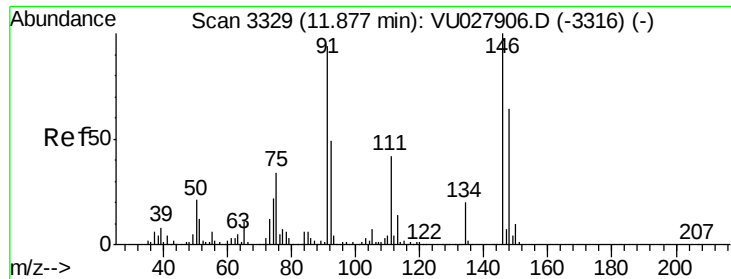
MMDadoda
11/8/2018 9:11:02 AM



#90
Hexachloroethane
Concen: 20.036 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.5	115.5





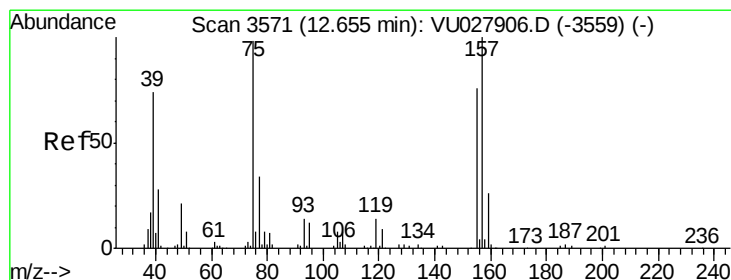
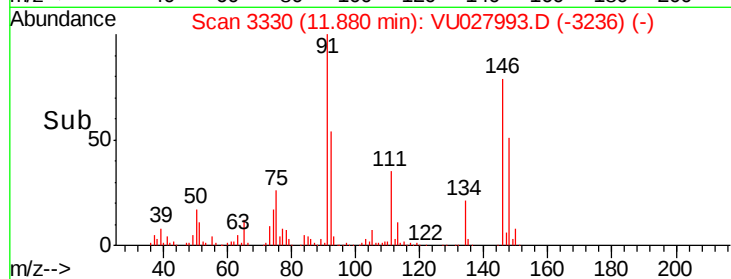
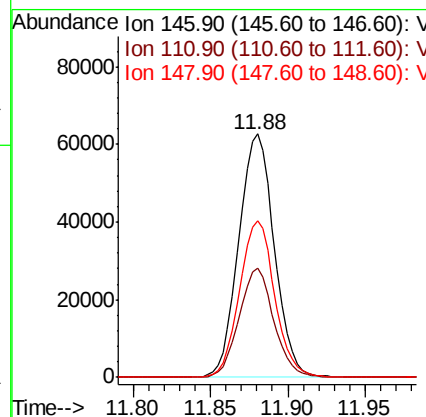
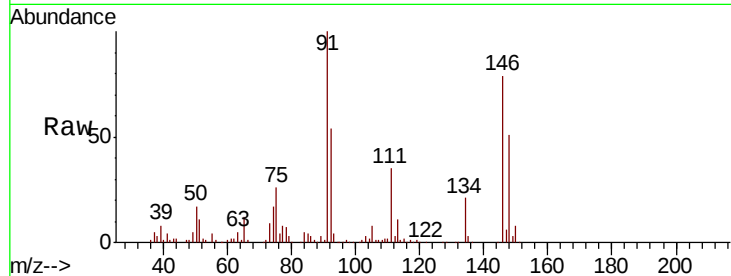
#91
 1,2-Dichlorobenzene
 Concen: 19.888 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	64.0
148	63.6	31.8	95.3

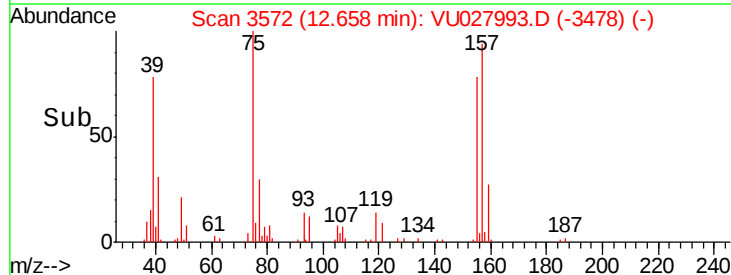
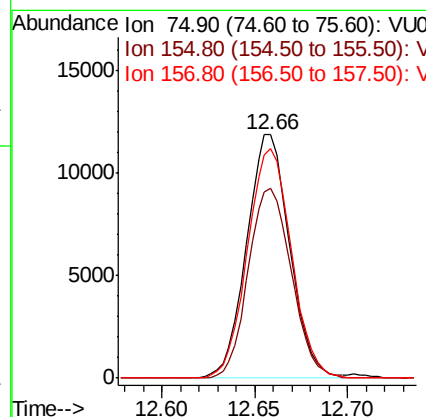
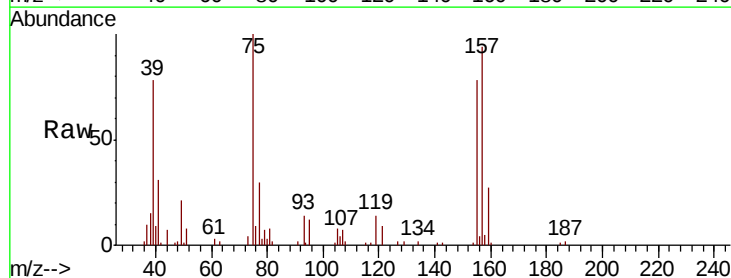
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.139 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	39.8	119.3
157	95.8	50.6	151.9





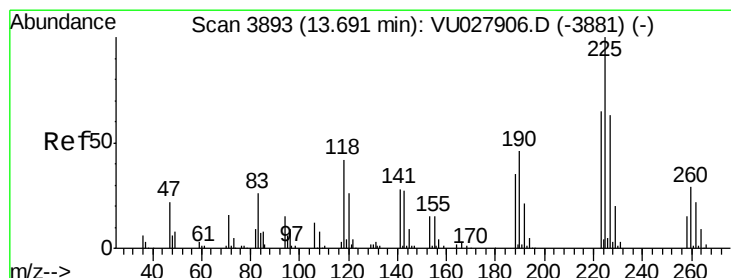
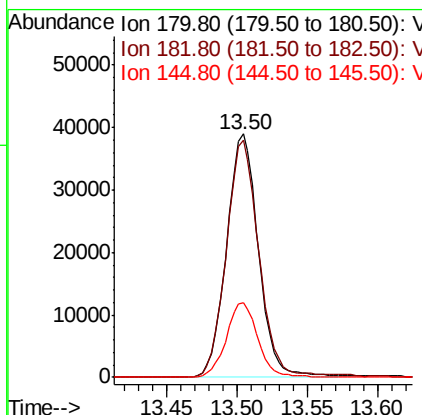
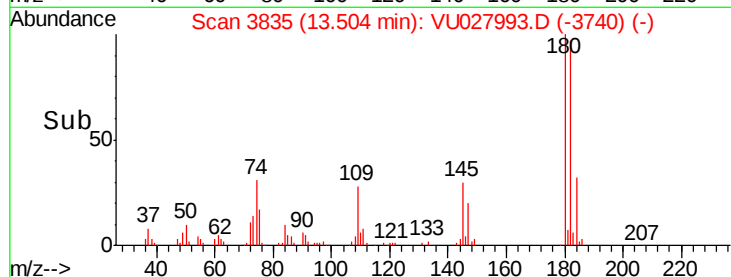
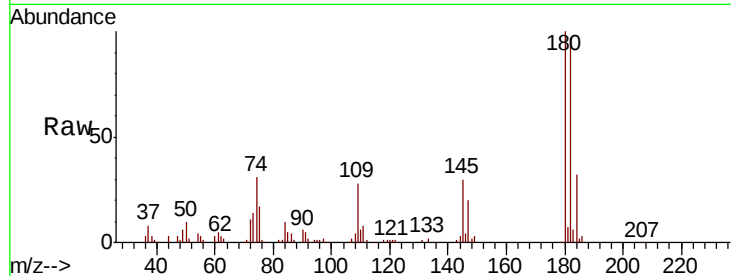
#93
 1,2,4-Trichlorobenzene
 Concen: 17.950 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.4	145.2
145	30.2	14.9	44.5

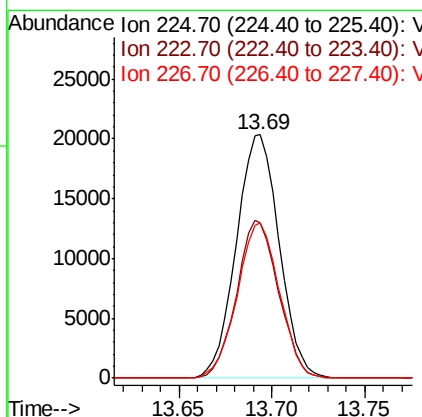
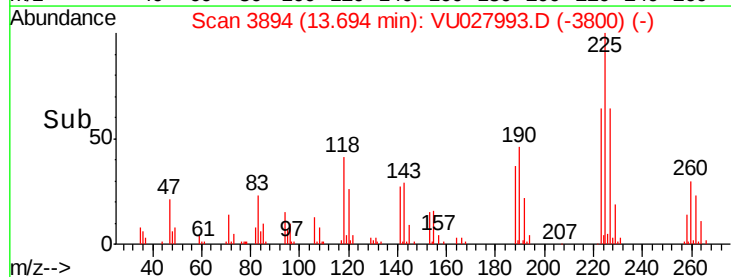
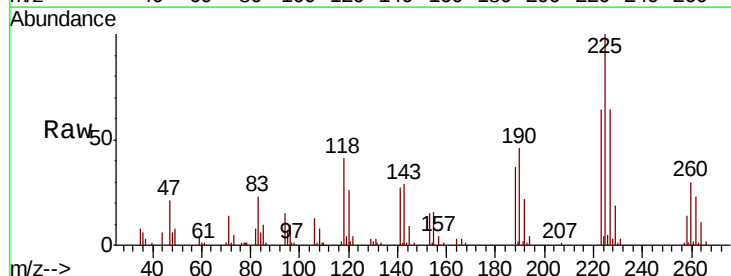
Manual Integrations
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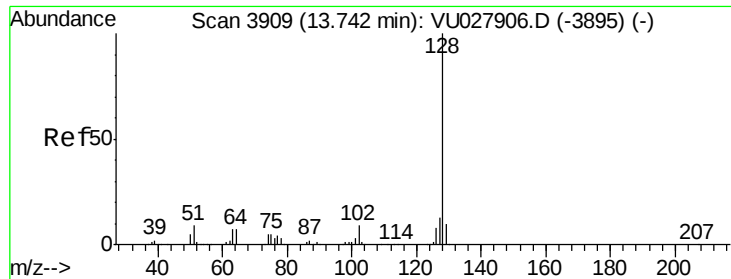
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 11/8/2018 9:11:02 AM



#94
 Hexachlorobutadiene
 Concen: 20.397 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027993.D
 Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.2	96.6
227	62.8	32.5	97.4





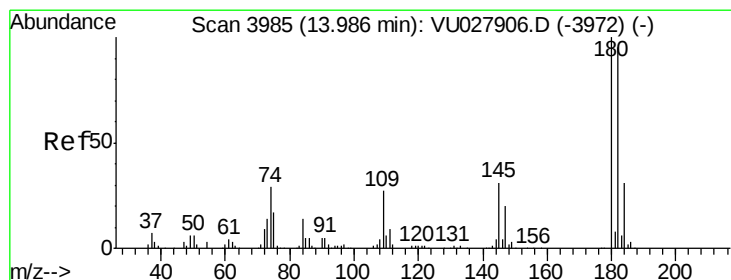
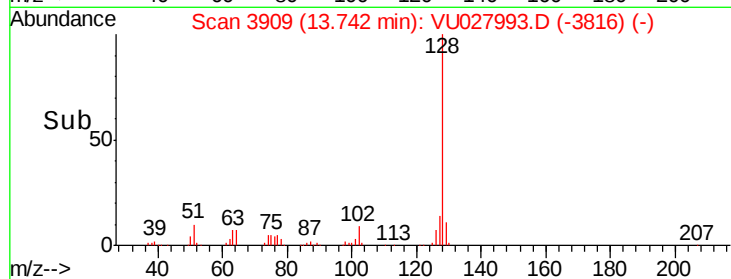
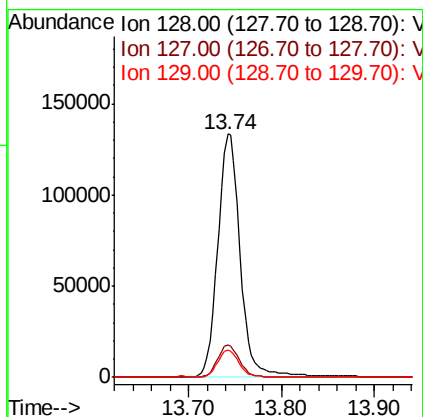
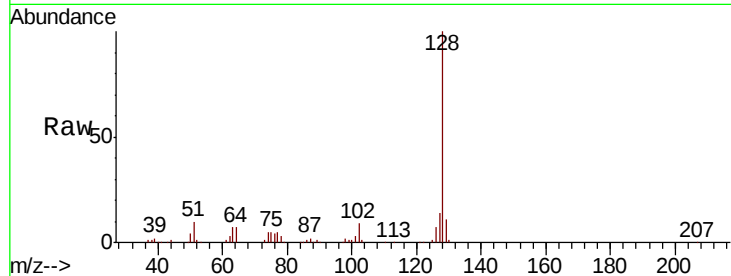
#95
Naphthalene
Concen: 17.847 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
VU1107WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.835 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027993.D
Acq: 07 Nov 2018 10:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	31.7	16.0	47.9

