

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Quant Time: Jun 21 07:52:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155655	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	124873	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	4.89	113	104735	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	7.57	98	370027	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	10.31	95	148176	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	88160	40.236	ug/l	100
3) Chloromethane	1.33	50	103758	46.352	ug/l	98
4) Vinyl Chloride	1.40	62	107025	46.361	ug/l	98
5) Bromomethane	1.62	94	58270	52.214	ug/l	99
6) Chloroethane	1.70	64	68796	53.403	ug/l	100
7) Trichlorofluoromethane	1.89	101	164662	46.739	ug/l	100
8) Diethyl Ether	2.10	74	64653	54.079	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89542	40.968	ug/l	95
10) Methyl Iodide	2.41	142	94872	51.154	ug/l	98
11) Tert butyl alcohol	2.82	59	176366	253.756	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88779	44.541	ug/l	92
13) Acrolein	2.19	56	37362	102.369	ug/l	97
14) Allyl chloride	2.59	41	149504	40.397	ug/l	94
15) Acrylonitrile	2.93	53	259805	192.129	ug/l	99
16) Acetone	2.32	43	454979	296.317	ug/l	99
17) Carbon Disulfide	2.48	76	269077	42.160	ug/l	99
18) Methyl Acetate	2.62	43	179457	54.518	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	377973	50.448	ug/l	97
20) Methylene Chloride	2.70	84	106187	44.075	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	95968	43.715	ug/l	94
22) Diisopropyl ether	3.57	45	344009	46.891	ug/l	98
23) Vinyl Acetate	3.53	43	1515238	230.566	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192583	45.632	ug/l	99
25) 2-Butanone	4.26	43	536434	260.095	ug/l	98
26) 2,2-Dichloropropane	4.23	77	156258	38.992	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115620	45.811	ug/l	96
28) Bromochloromethane	4.55	49	89152	47.959	ug/l	88
29) Tetrahydrofuran	4.63	42	342961	268.524	ug/l	97
30) Chloroform	4.68	83	198529	46.475	ug/l	100
31) Cyclohexane	5.00	56	165129	43.816	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177051	44.821	ug/l	96
36) 1,1-Dichloropropene	5.14	75	137531	42.884	ug/l	98
37) Ethyl Acetate	4.38	43	187367	53.603	ug/l	97
38) Carbon Tetrachloride	5.14	117	159190	45.139	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	161367	40.320	ug/l	95
40) Benzene	5.39	78	518481	56.737	ug/l	100
41) Methacrylonitrile	4.54	41	91624	48.617	ug/l	97
42) 1,2-Dichloroethane	5.41	62	167946	48.254	ug/l	100
43) Isopropyl Acetate	5.55	43	302931	50.137	ug/l	99
44) Trichloroethene	6.19	130	114471	44.015	ug/l	92
45) 1,2-Dichloropropane	6.44	63	116474	47.768	ug/l	98
46) Dibromomethane	6.56	93	82310	48.059	ug/l	95
47) Bromodichloromethane	6.76	83	159414	46.742	ug/l	98
48) Methyl methacrylate	6.62	41	120592	40.988	ug/l	98
49) 1,4-Dioxane	6.61	88	64552	1121.931	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1045630	275.463	ug/l	98
52) Toluene	7.64	92	277017	47.118	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	171104	44.675	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180063	44.121	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	114773	48.025	ug/l	99
56) Ethyl methacrylate	8.02	69	171436	42.859	ug/l	97
57) 1,3-Dichloropropane	8.25	76	198793	49.310	ug/l	100
59) 2-Hexanone	8.36	43	830761	268.074	ug/l	99
60) Dibromochloromethane	8.48	129	138311	46.411	ug/l	100
61) 1,2-Dibromoethane	8.59	107	130852	49.193	ug/l	99
64) Tetrachloroethene	8.23	164	97941	39.097	ug/l	99
65) Chlorobenzene	9.12	112	311644	46.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	119870	46.864	ug/l	97
67) Ethyl Benzene	9.25	91	539356	45.698	ug/l	98
68) m/p-Xylenes	9.38	106	417015	92.012	ug/l	97
69) o-Xylene	9.78	106	213284	47.551	ug/l	95
70) Styrene	9.80	104	319491	43.345	ug/l	99
71) Bromoform	9.96	173	111298	45.779	ug/l #	99
73) Isopropylbenzene	10.17	105	553974	46.356	ug/l	99
74) N-amyl acetate	10.01	43	290622	51.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205707	51.367	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	232492	67.842	ug/l	84
77) Bromobenzene	10.45	156	143399	47.398	ug/l	96
78) n-propylbenzene	10.59	91	626132	44.477	ug/l	96
79) 2-Chlorotoluene	10.66	91	375436	45.223	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	479140	46.258	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	232492	157.015	ug/l #	100
82) 4-Chlorotoluene	10.78	91	439671	45.503	ug/l	98
83) tert-Butylbenzene	11.10	119	476373	47.811	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	501984	47.555	ug/l	100
85) sec-Butylbenzene	11.33	105	570059	45.707	ug/l	98
86) p-Isopropyltoluene	11.48	119	514978	46.104	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	259655	46.454	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	261795	46.534	ug/l	99
89) n-Butylbenzene	11.89	91	437548	44.121	ug/l	97
90) Hexachloroethane	12.15	117	93109	42.730	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	266623	47.623	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58412	52.861	ug/l	91
93) 1,2,4-Trichlorobenzene	13.51	180	178550	51.645	ug/l	99

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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

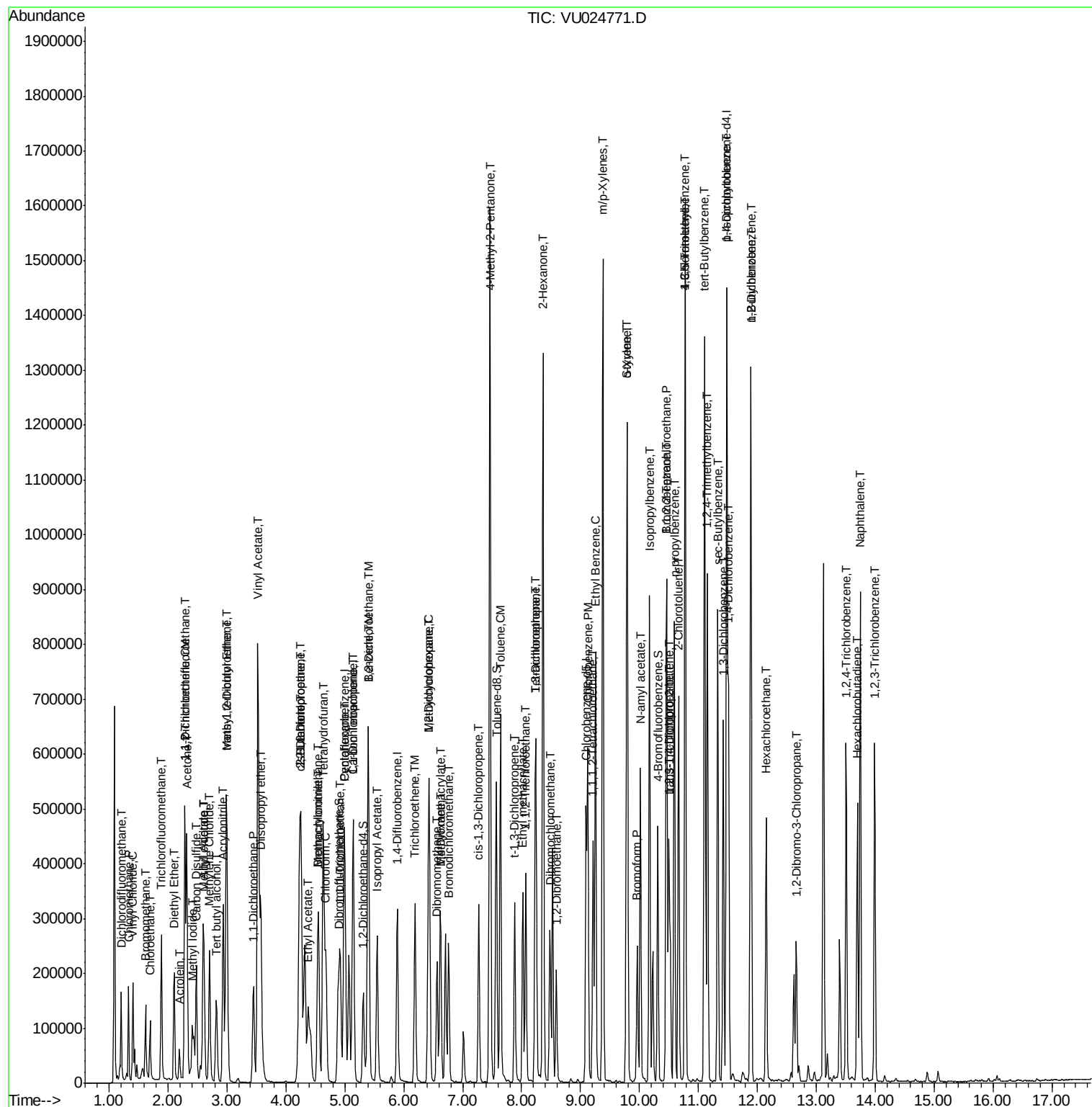
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	89367	45.925	ug/l	99
95) Naphthalene	13.74	128	677931	59.107	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188835	54.815	ug/l	100

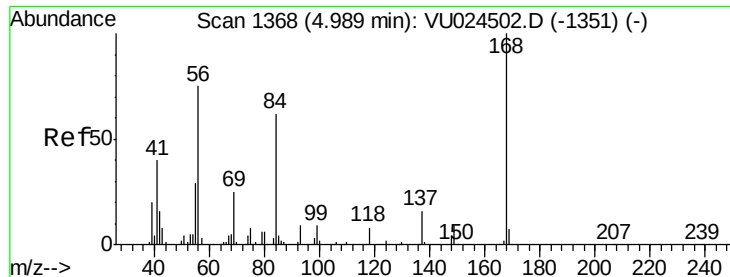
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

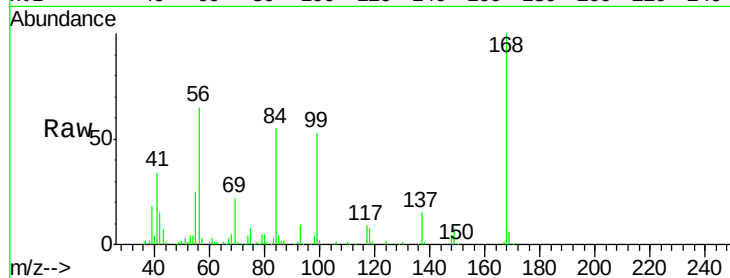
TPTW-04MS

Tgt Ion:168 Resp: 175049

Ion Ratio Lower Upper

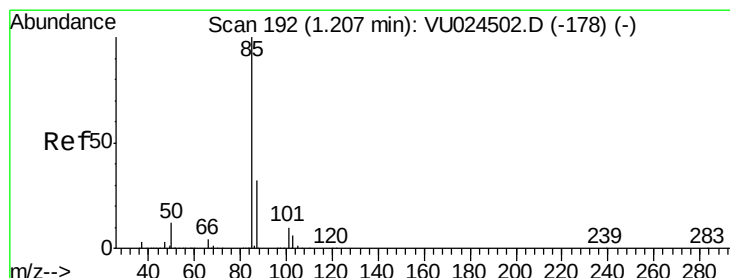
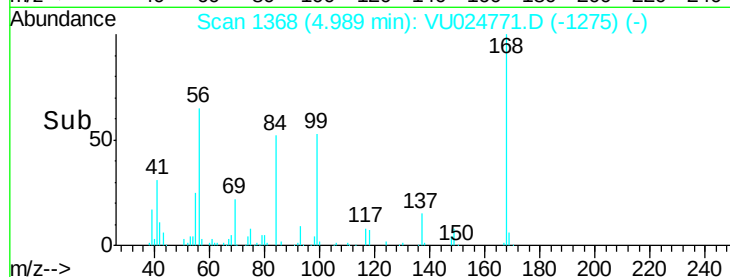
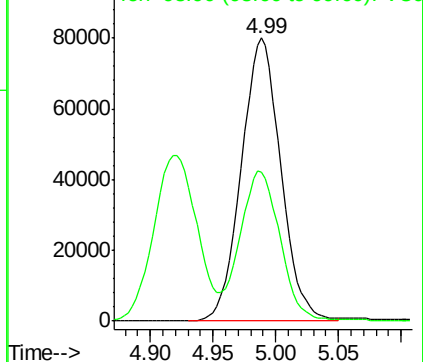
168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.236 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024771.D

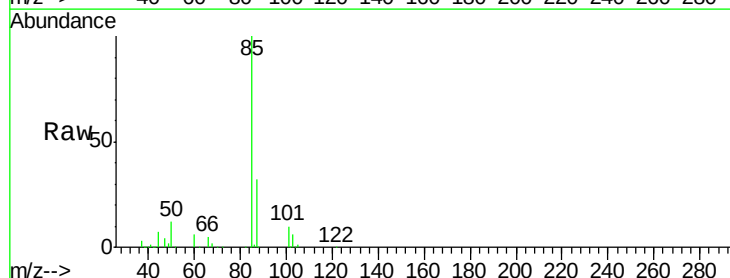
Acq: 20 Jun 2018 20:46

Tgt Ion: 85 Resp: 88160

Ion Ratio Lower Upper

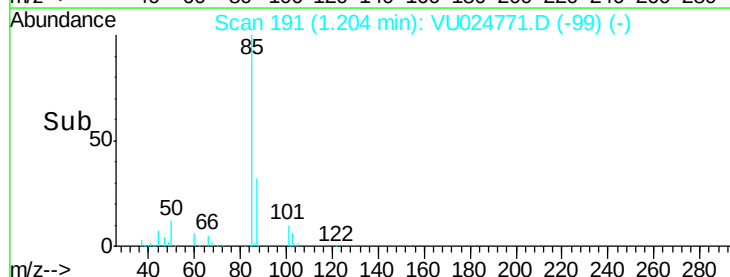
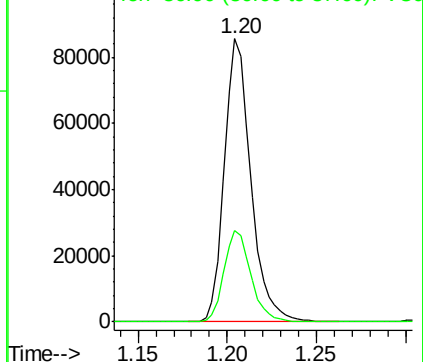
85 100

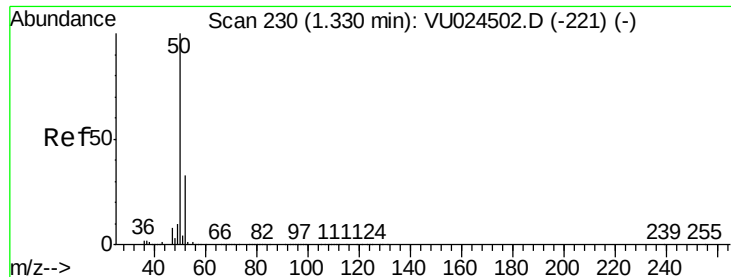
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 46.352 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

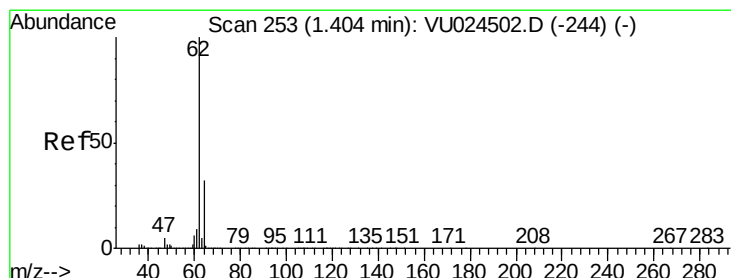
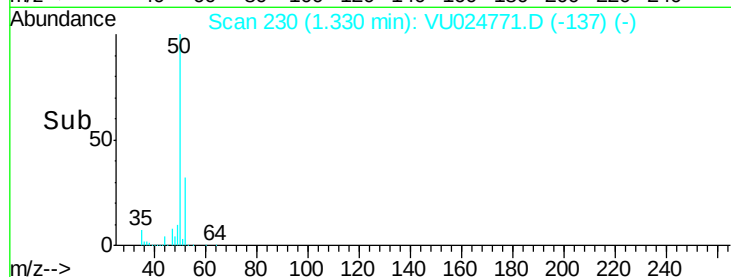
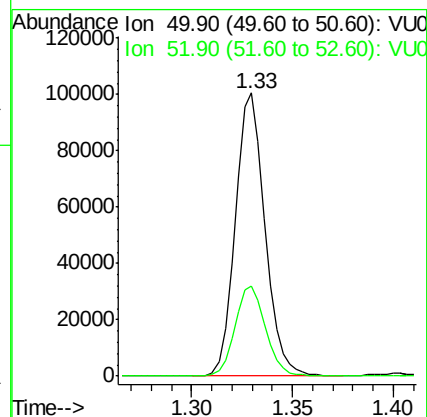
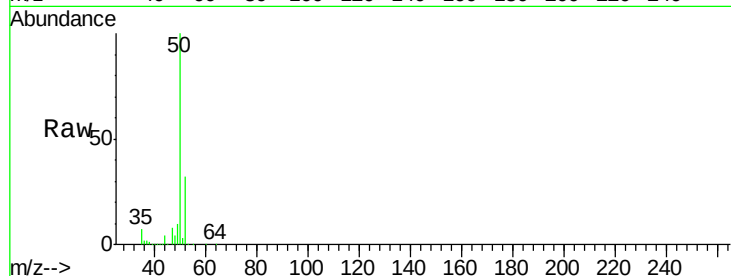
TPTW-04MS

Tgt Ion: 50 Resp: 103758

Ion Ratio Lower Upper

50 100

52 31.9 26.4 39.6



#4

Vinyl Chloride

Concen: 46.361 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024771.D

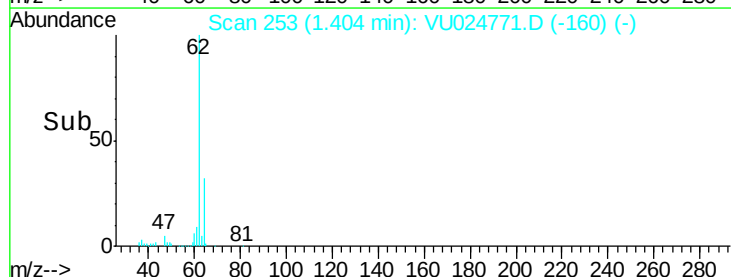
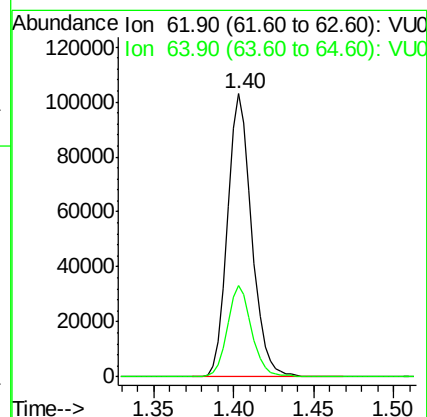
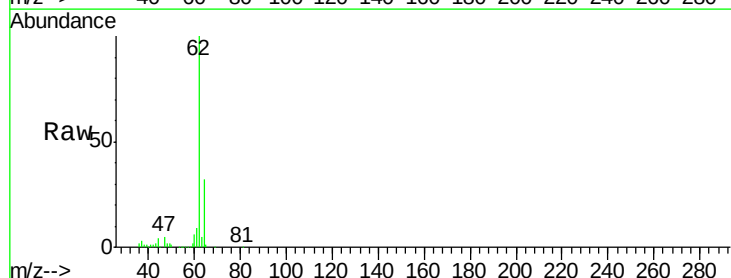
Acq: 20 Jun 2018 20:46

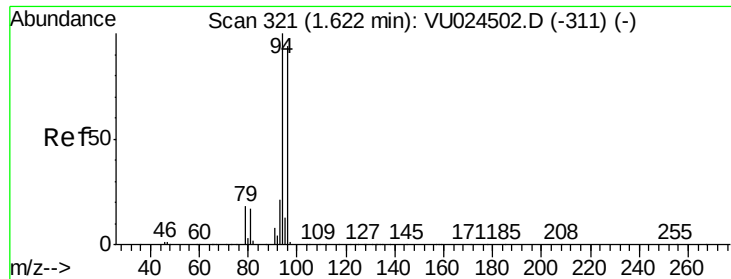
Tgt Ion: 62 Resp: 107025

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 52.214 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

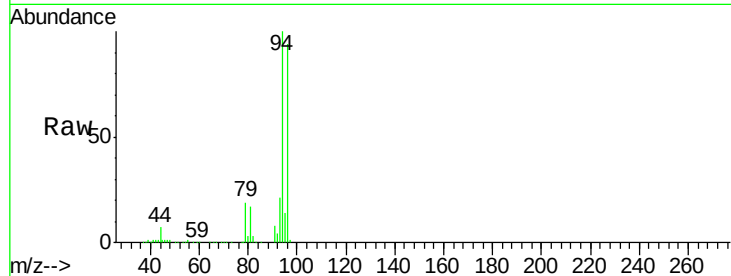
TPTW-04MS

Tgt Ion: 94 Resp: 58270

Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

50000

40000

30000

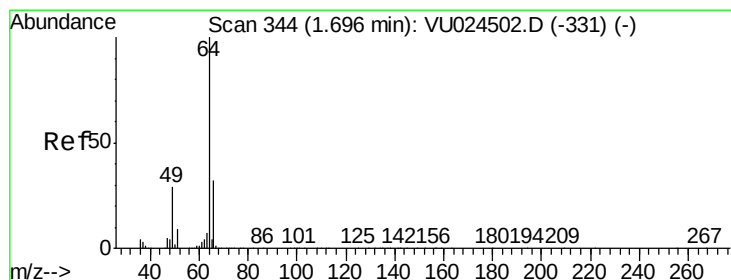
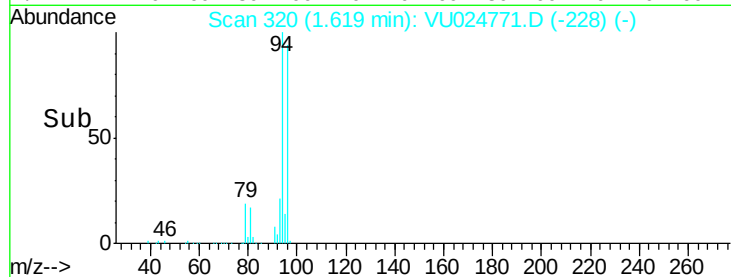
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 53.403 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024771.D

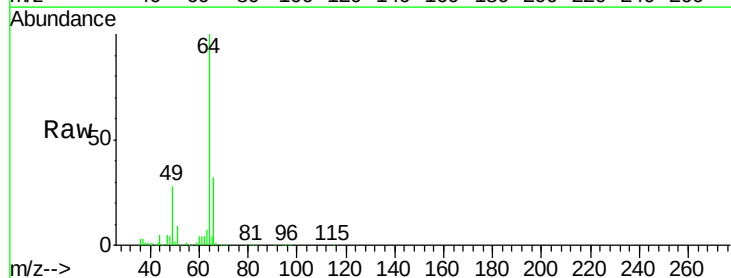
Acq: 20 Jun 2018 20:46

Tgt Ion: 64 Resp: 68796

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

60000

50000

40000

30000

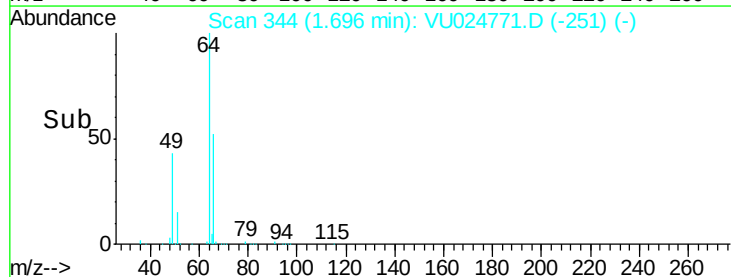
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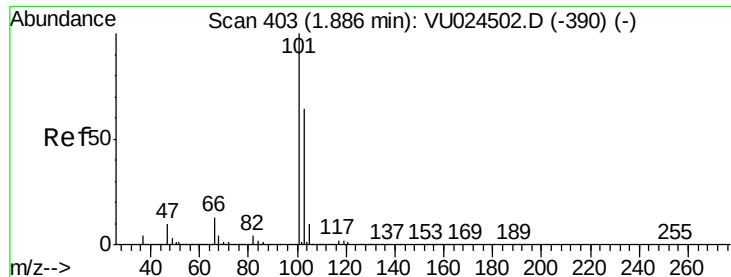
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0

Time-->

1.65 1.70 1.75



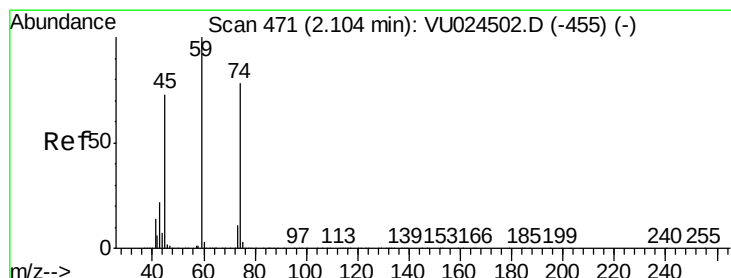
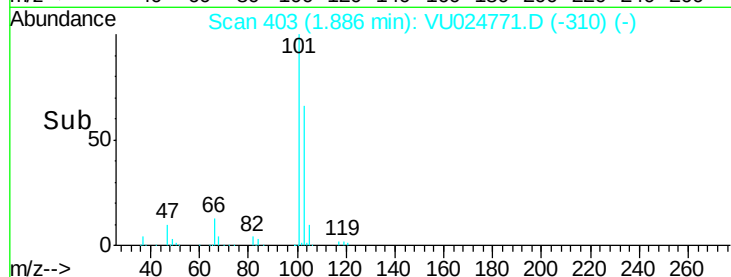
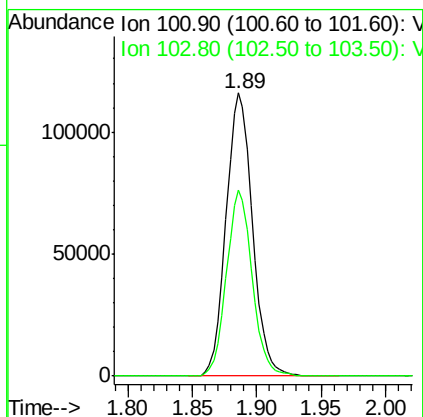
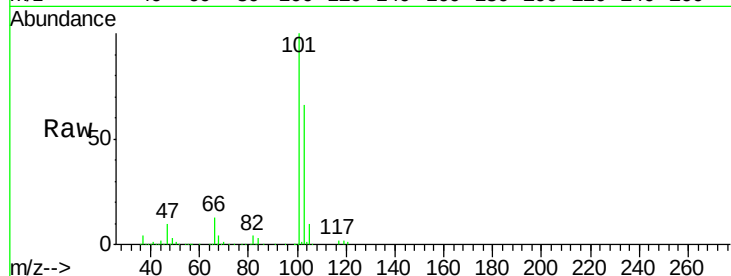


#7

Trichlorofluoromethane
Concen: 46.739 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
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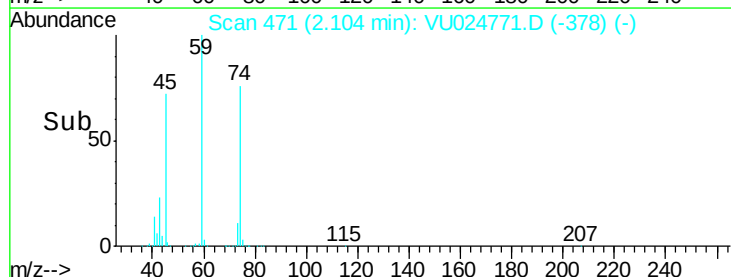
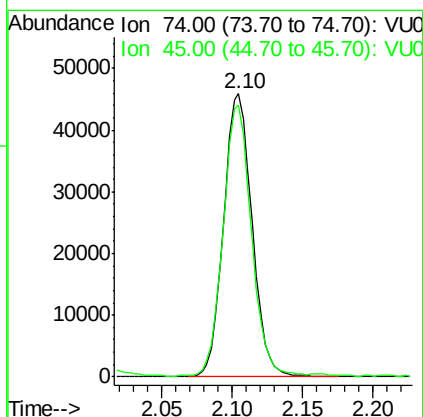
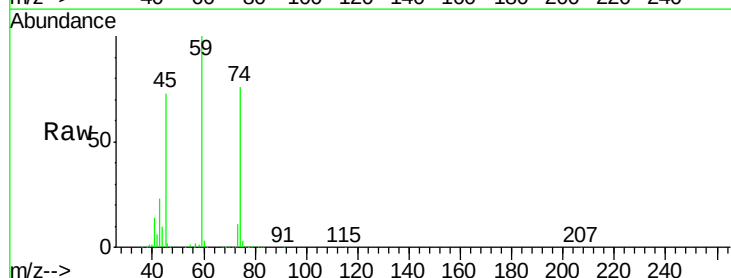
Tgt Ion:101 Resp: 164662
Ion Ratio Lower Upper
101 100
103 65.6 52.3 78.5

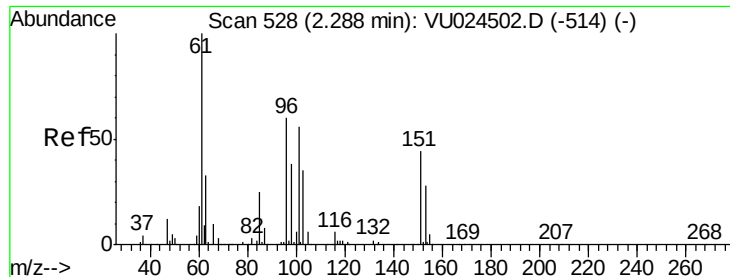


#8

Diethyl Ether
Concen: 54.079 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 74 Resp: 64653
Ion Ratio Lower Upper
74 100
45 95.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.968 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

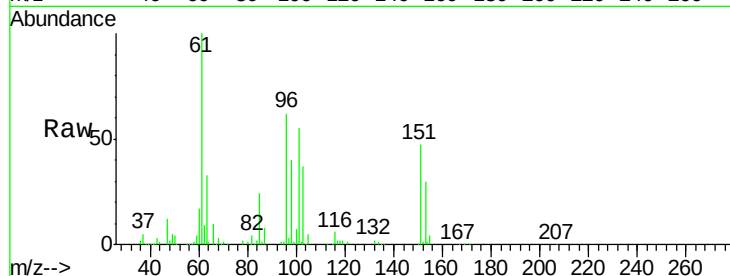
Tgt Ion:101 Resp: 89542

Ion Ratio Lower Upper

101 100

85 43.3 36.0 54.0

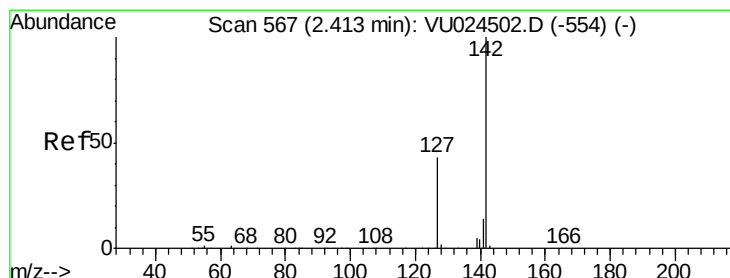
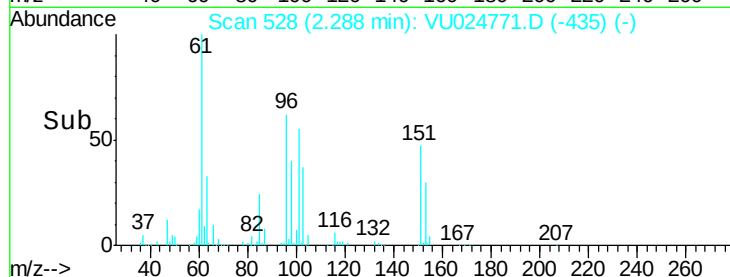
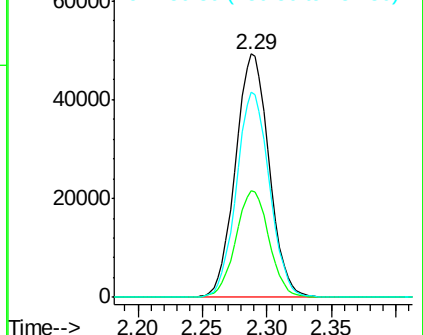
151 82.9 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.154 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

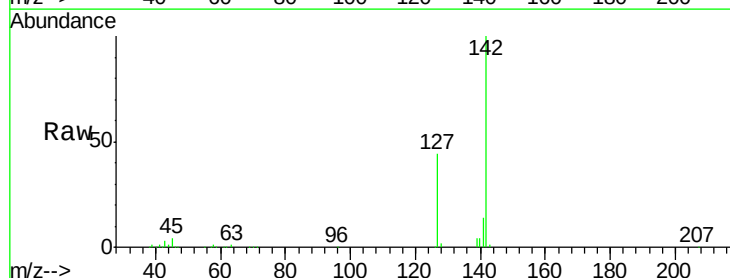
Tgt Ion:142 Resp: 94872

Ion Ratio Lower Upper

142 100

127 43.2 35.6 53.4

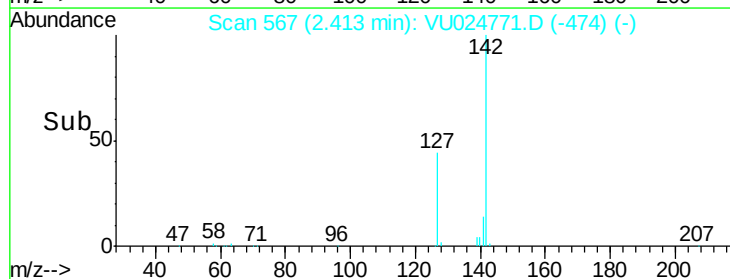
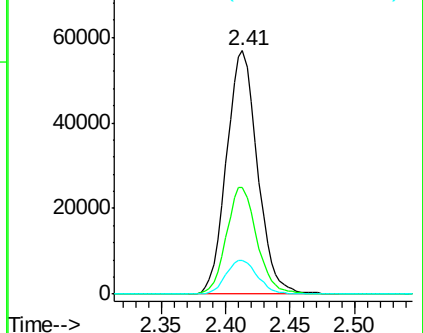
141 14.1 11.7 17.5

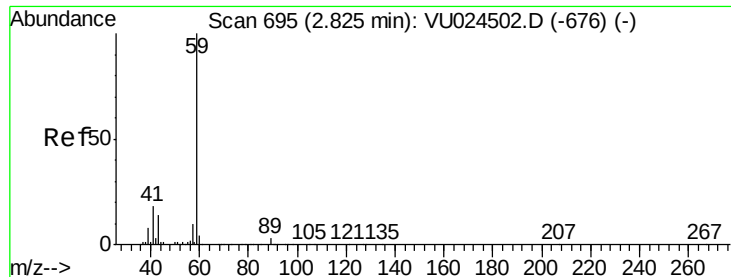


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



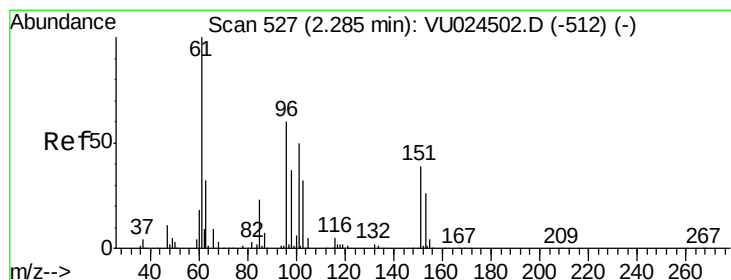
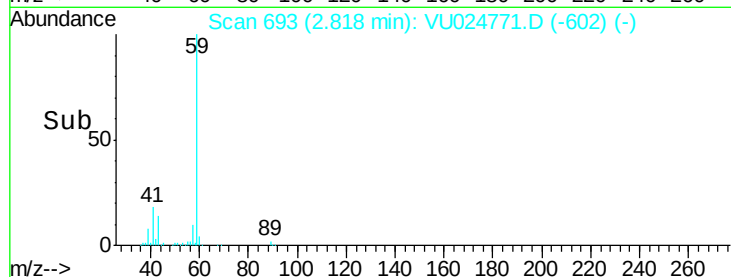
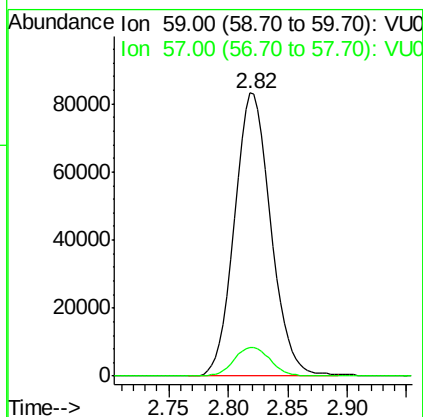
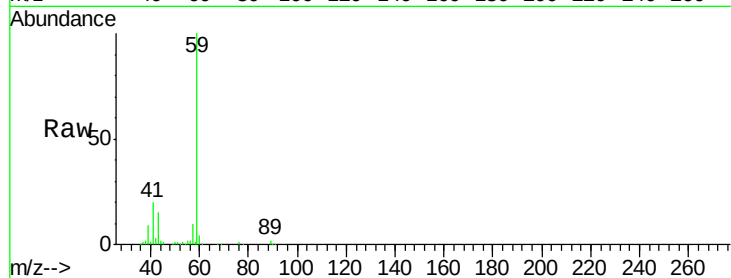


#11

Tert butyl alcohol
 Concen: 253.756 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

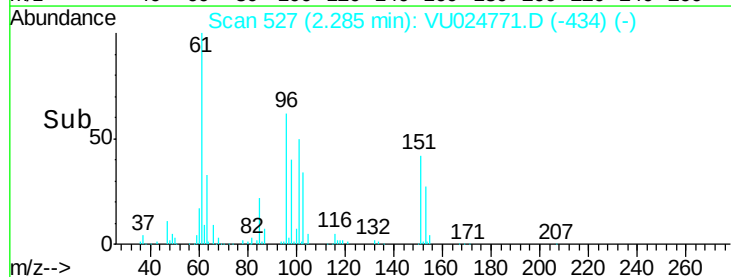
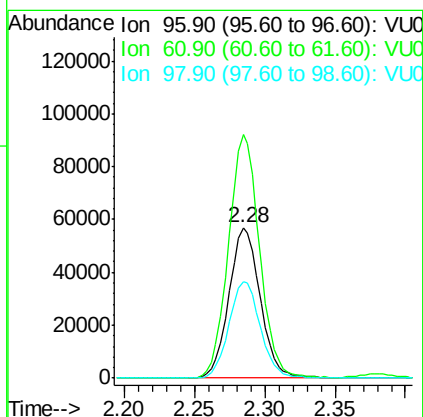
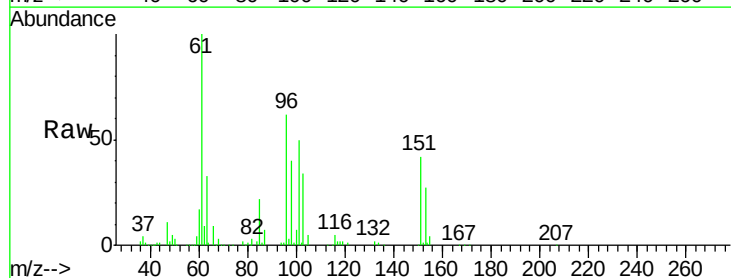
Tgt Ion: 59 Resp: 176366
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

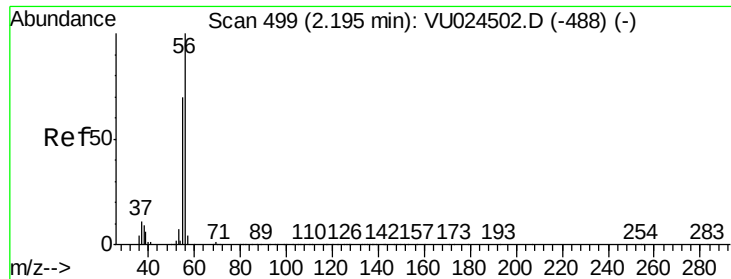


#12

1,1-Dichloroethene
 Concen: 44.541 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 96 Resp: 88779
 Ion Ratio Lower Upper
 96 100
 61 161.4 141.7 212.5
 98 64.3 51.6 77.4

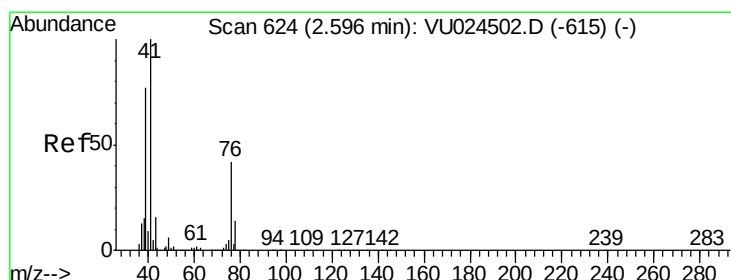
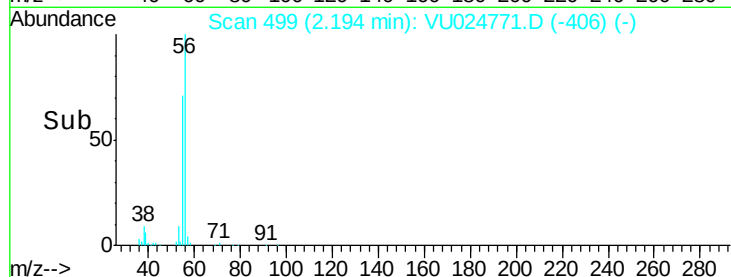
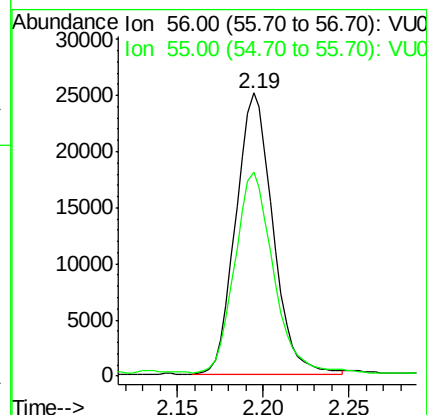
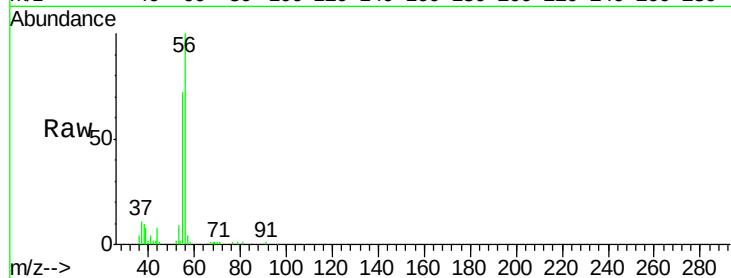




#13
Acrolein
Concen: 102.369 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

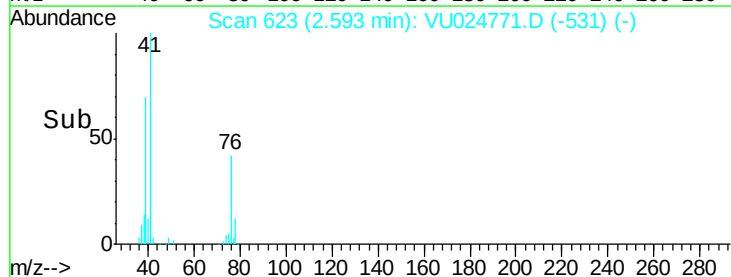
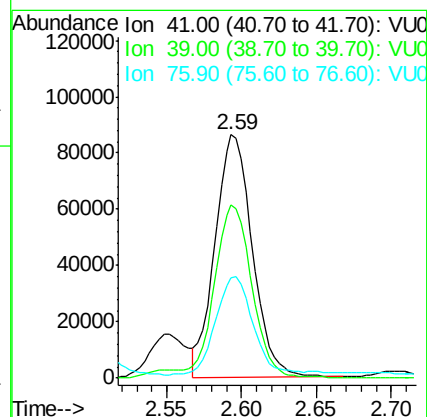
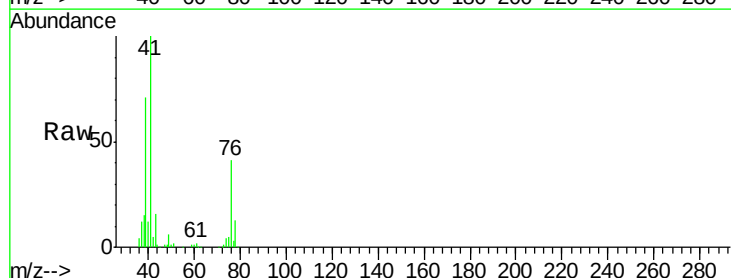
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

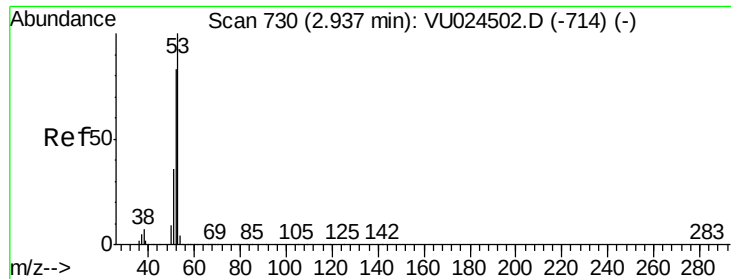
Tgt Ion: 56 Resp: 37362
Ion Ratio Lower Upper
56 100
55 75.5 58.4 87.6



#14
Allyl chloride
Concen: 40.397 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 41 Resp: 149504
Ion Ratio Lower Upper
41 100
39 71.0 61.6 92.4
76 40.0 29.7 44.5





#15

Acrylonitrile

Concen: 192.129 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

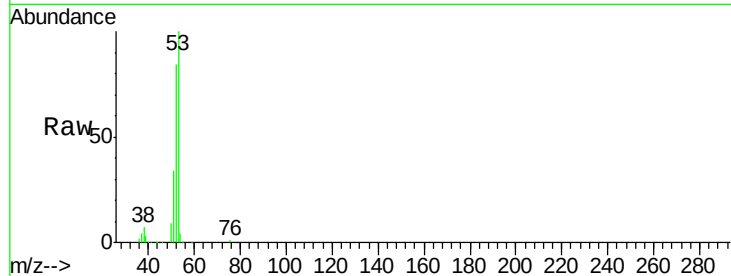
Tgt Ion: 53 Resp: 259805

Ion Ratio Lower Upper

53 100

52 82.7 67.1 100.7

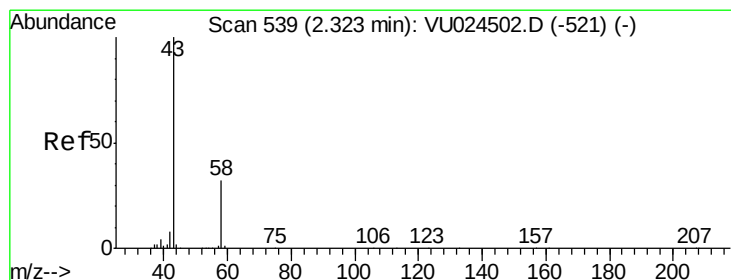
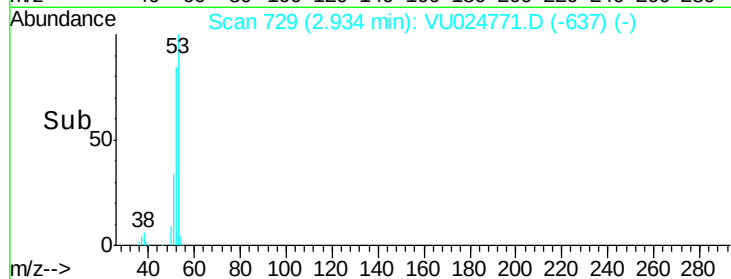
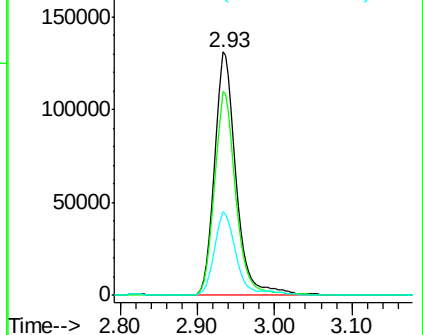
51 35.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 296.317 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024771.D

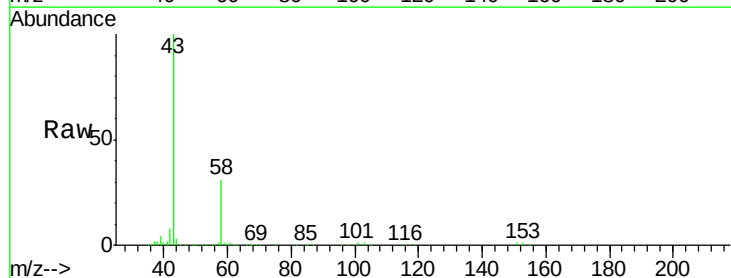
Acq: 20 Jun 2018 20:46

Tgt Ion: 43 Resp: 454979

Ion Ratio Lower Upper

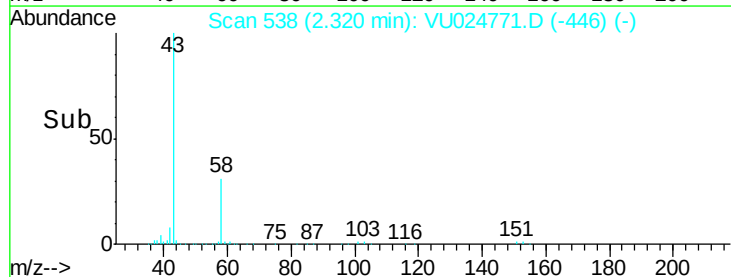
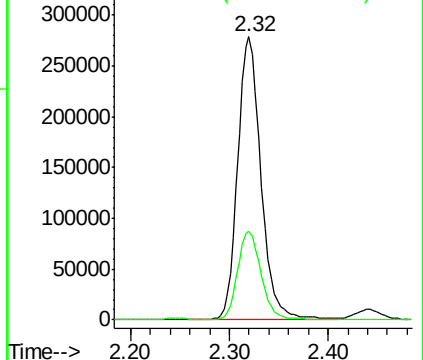
43 100

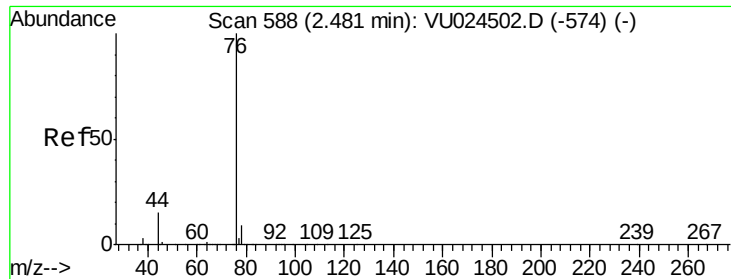
58 31.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

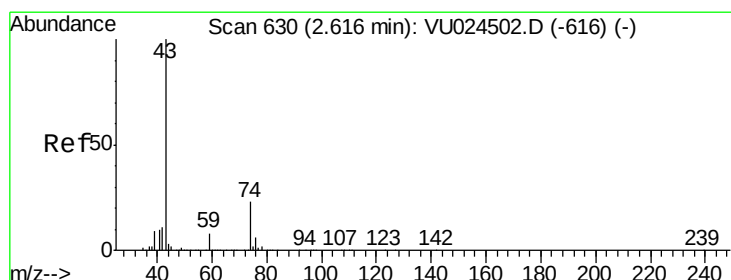
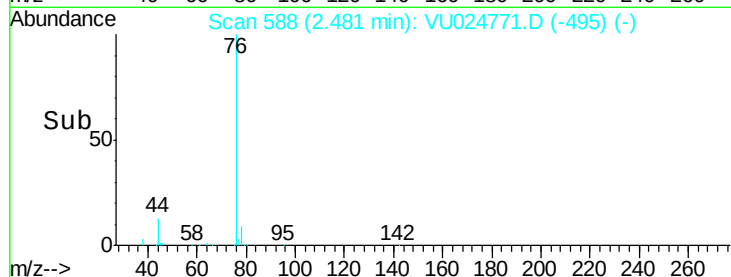
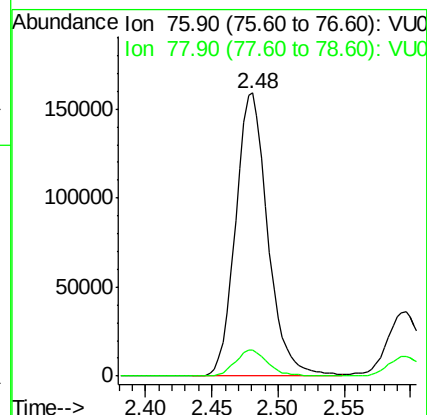
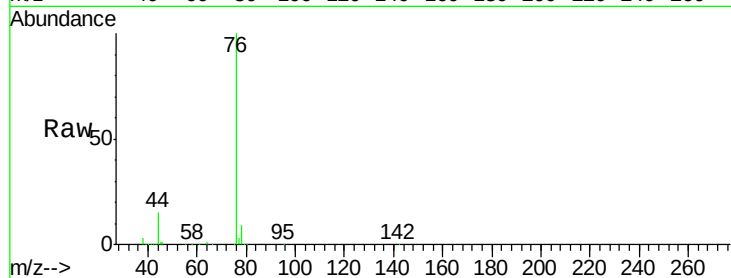




#17
 Carbon Disulfide
 Concen: 42.160 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

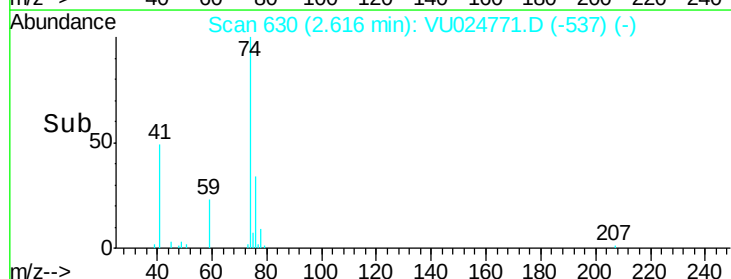
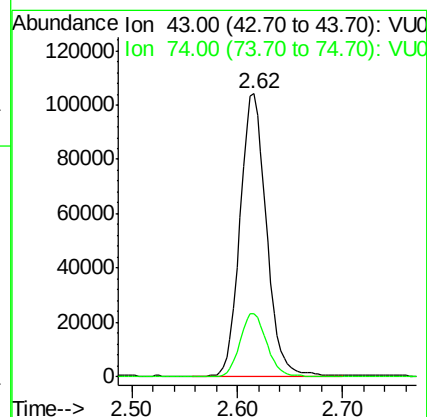
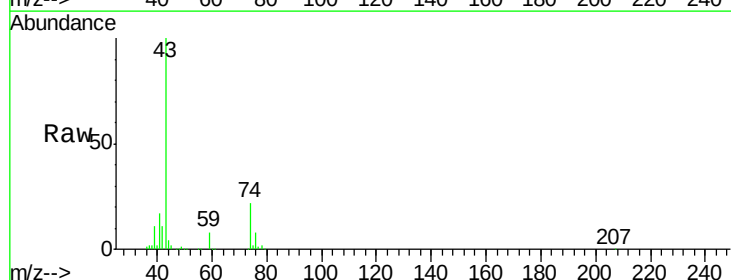
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

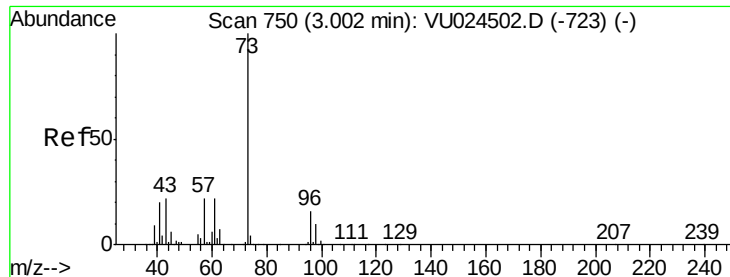
Tgt Ion: 76 Resp: 269077
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.1 10.7



#18
 Methyl Acetate
 Concen: 54.518 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 43 Resp: 179457
 Ion Ratio Lower Upper
 43 100
 74 22.8 18.0 27.0



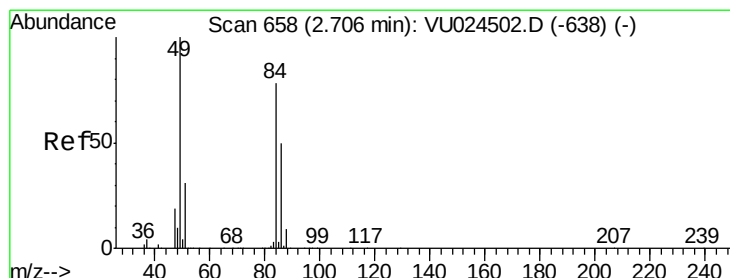
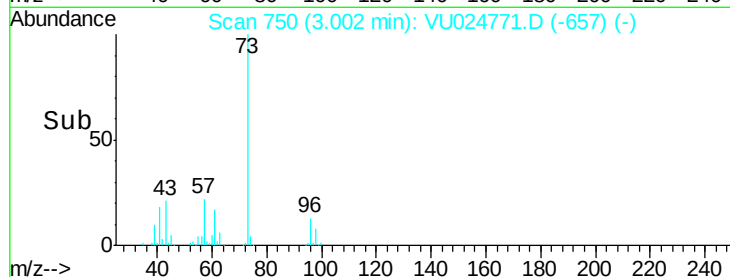
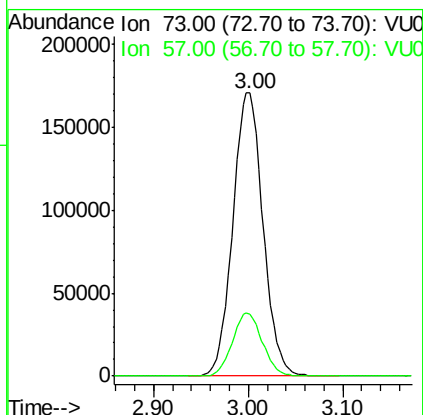
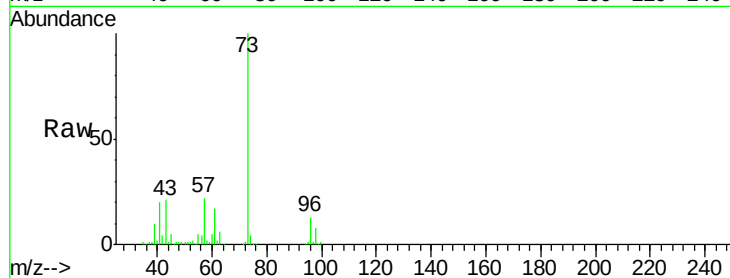


#19

Methyl tert-butyl Ether
 Concen: 50.448 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

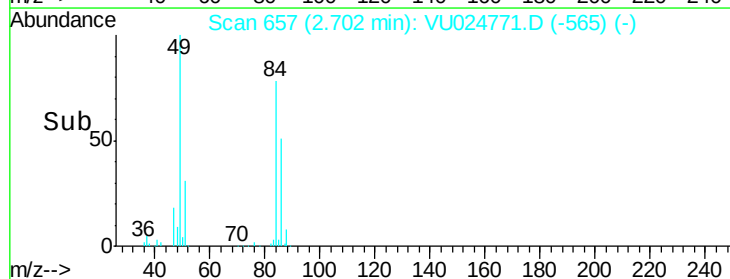
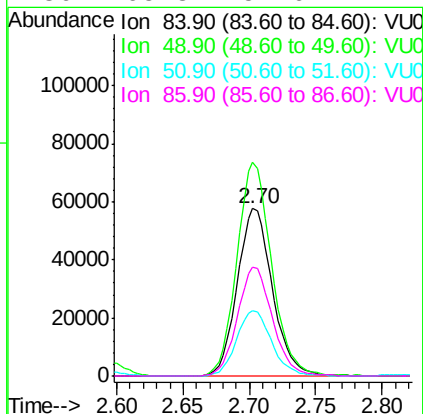
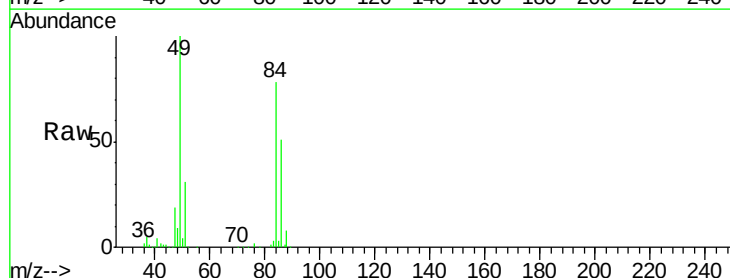
Tgt Ion: 73 Resp: 377973
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.8 28.2

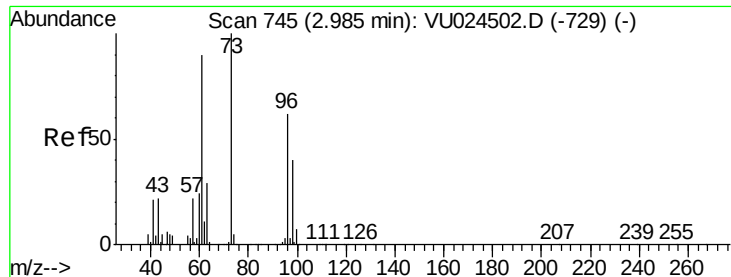


#20

Methylene Chloride
 Concen: 44.075 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 84 Resp: 106187
 Ion Ratio Lower Upper
 84 100
 49 127.5 103.8 155.8
 51 39.0 32.0 48.0
 86 65.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 43.715 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

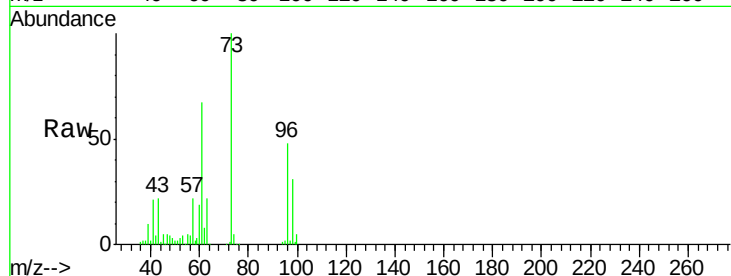
Tgt Ion: 96 Resp: 95968

Ion Ratio Lower Upper

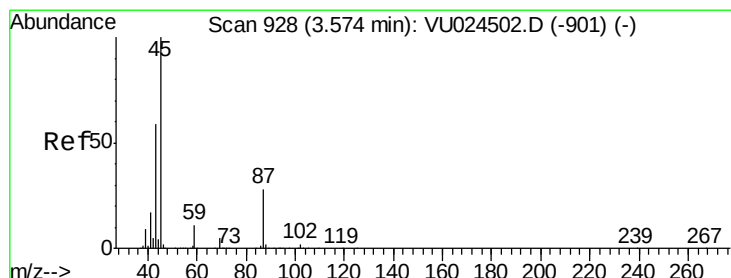
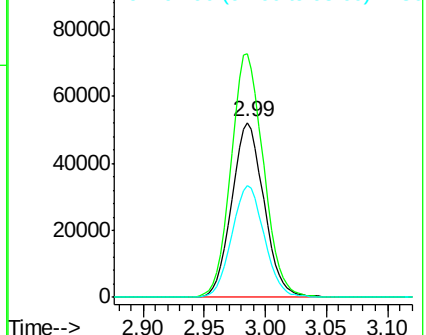
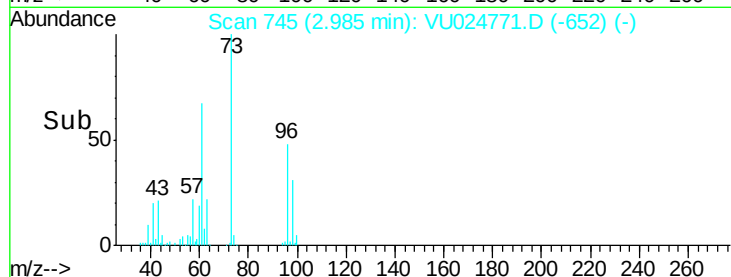
96 100

61 139.1 119.4 179.0

98 63.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024771.D (-652) (-)



#22

Diisopropyl ether

Concen: 46.891 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion: 45 Resp: 344009

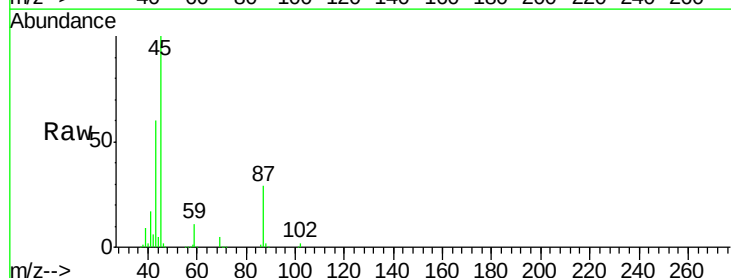
Ion Ratio Lower Upper

45 100

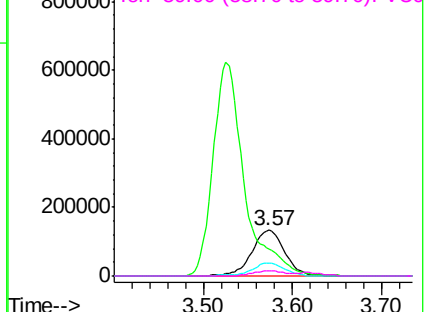
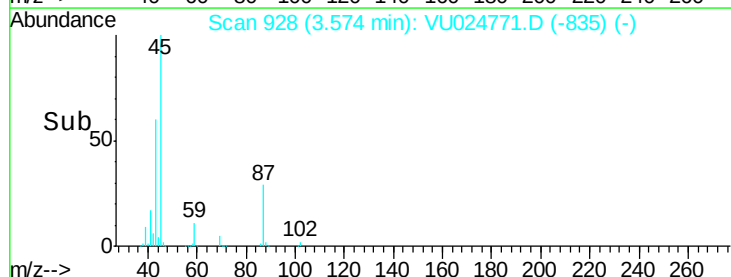
43 58.0 45.8 68.6

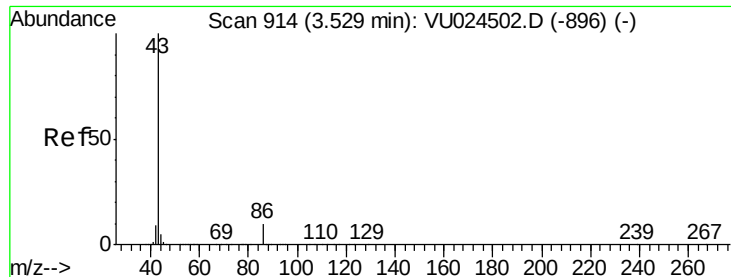
87 28.9 20.6 31.0

59 11.4 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024771.D (-835) (-)





#23

Vinyl Acetate

Concen: 230.566 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

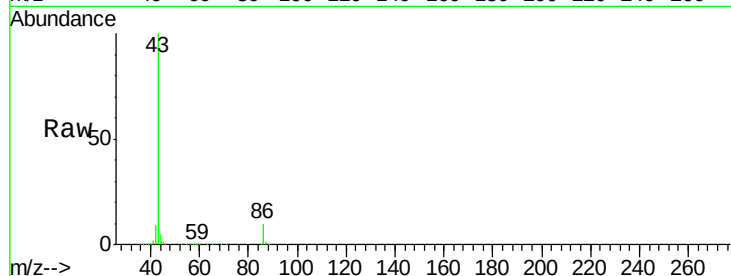
TPTW-04MS

Tgt Ion: 43 Resp: 1515238

Ion Ratio Lower Upper

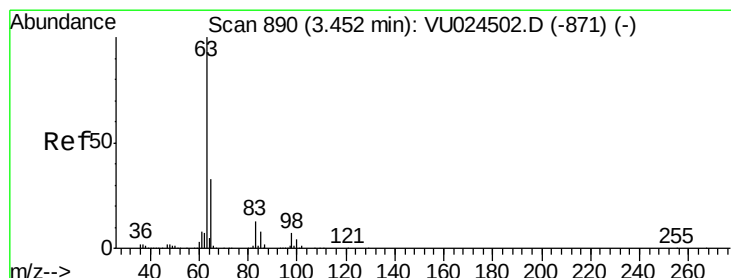
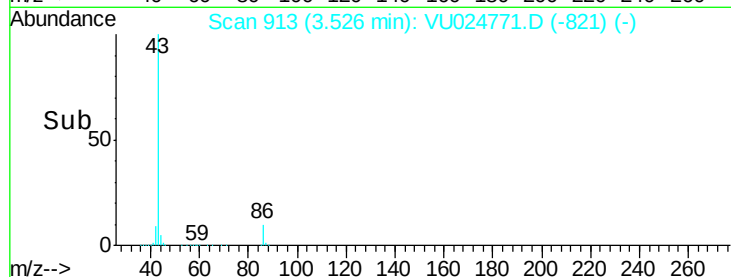
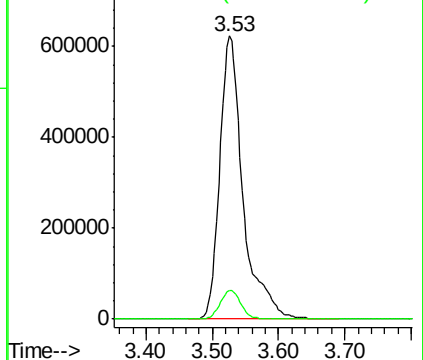
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.632 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

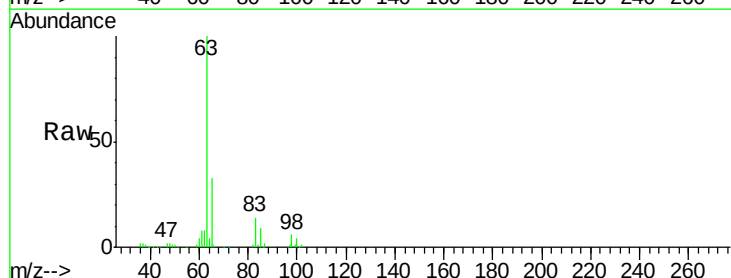
Tgt Ion: 63 Resp: 192583

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

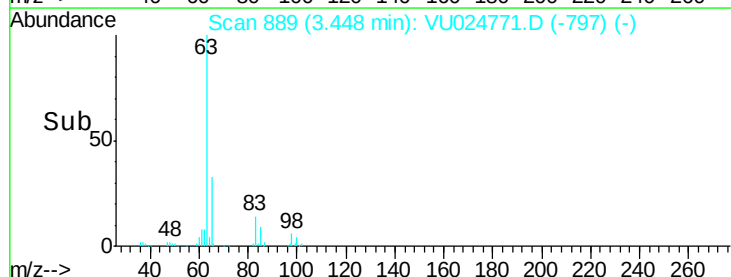
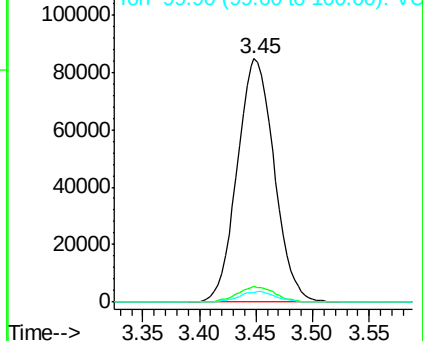
100 4.1 1.8 5.5

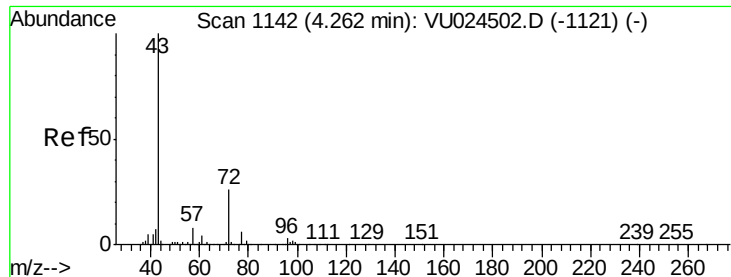


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 260.095 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

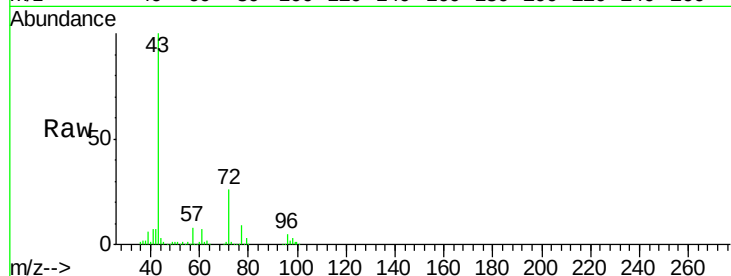
TPTW-04MS

Tgt Ion: 43 Resp: 536434

Ion Ratio Lower Upper

43 100

72 25.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

250000

200000

150000

100000

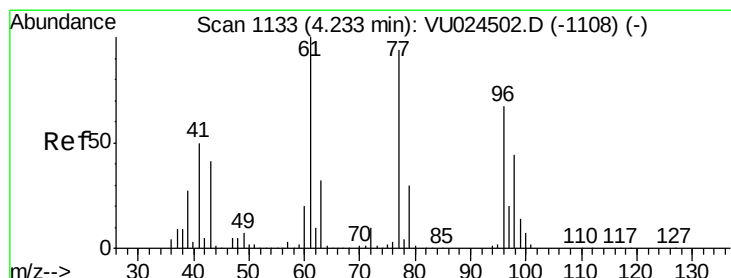
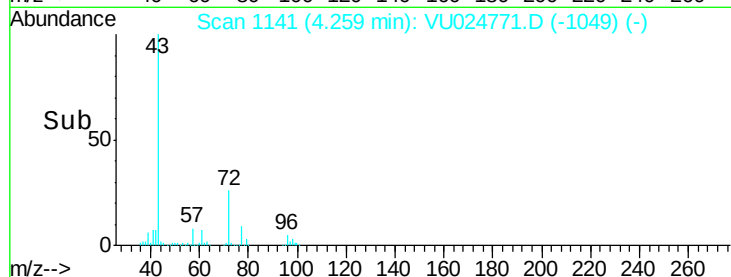
50000

0

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 38.992 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024771.D

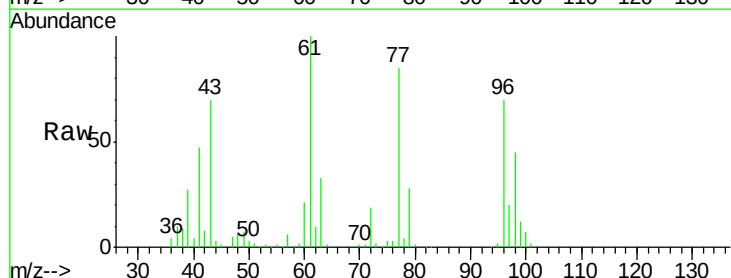
Acq: 20 Jun 2018 20:46

Tgt Ion: 77 Resp: 156258

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

40000

20000

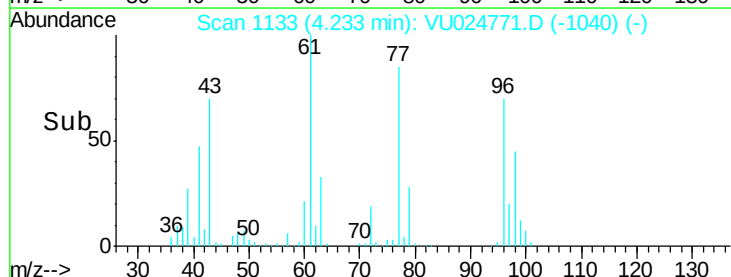
0

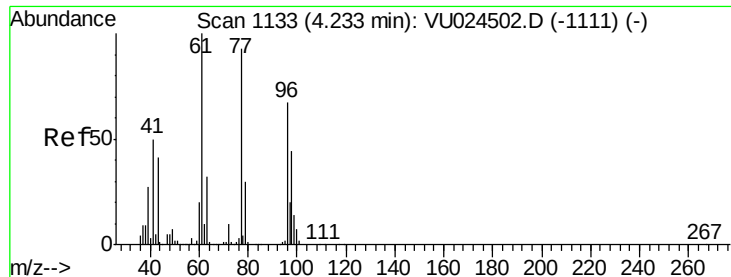
4.10

4.20

4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.811 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

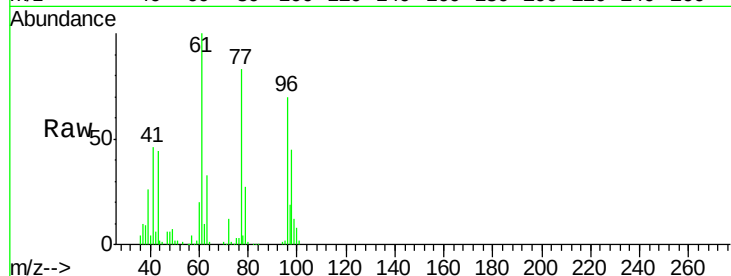
Tgt Ion: 96 Resp: 115620

Ion Ratio Lower Upper

96 100

61 147.3 0.0 306.6

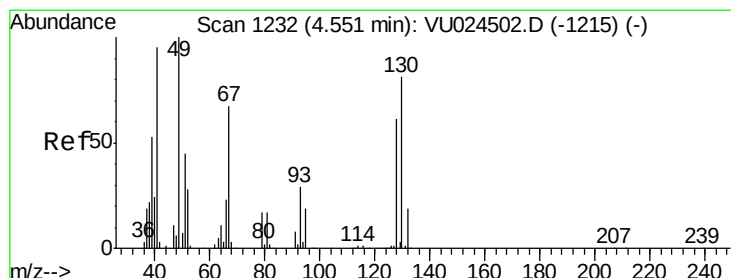
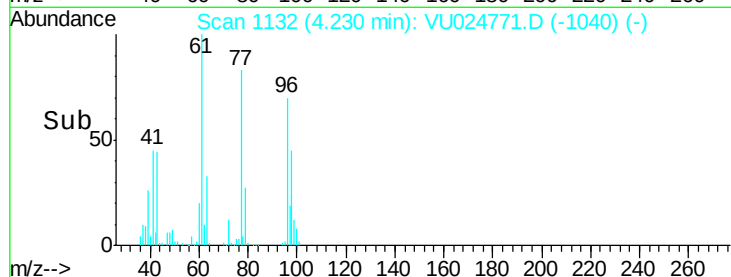
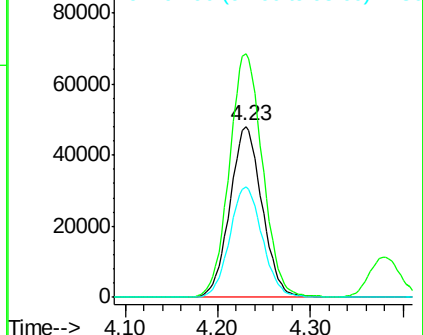
98 65.5 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 47.959 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

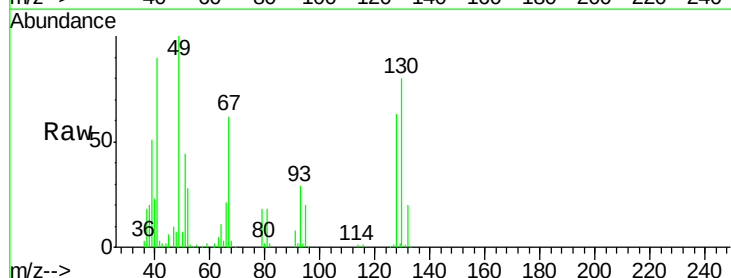
Tgt Ion: 49 Resp: 89152

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

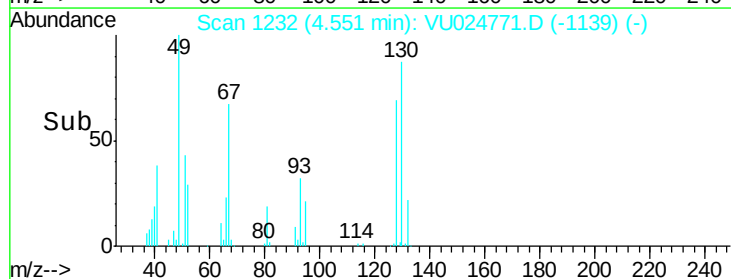
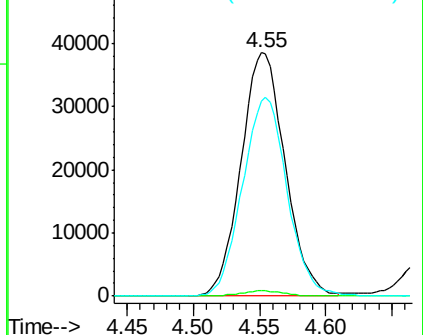
130 82.4 57.8 86.6

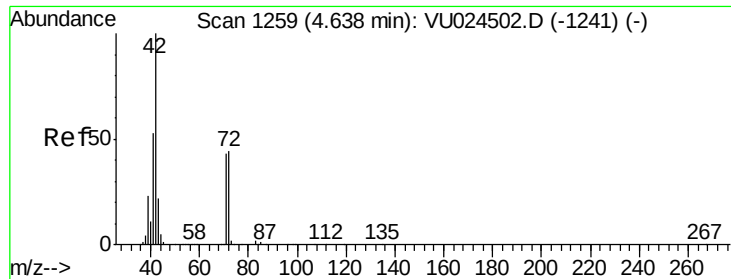


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

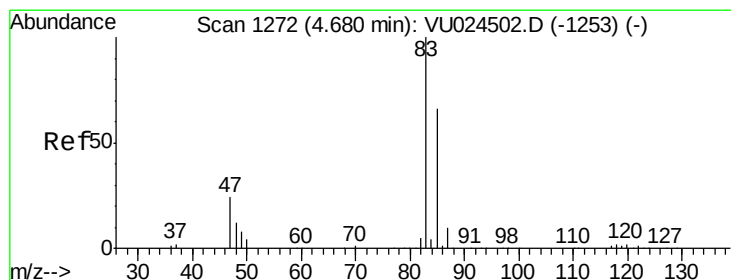
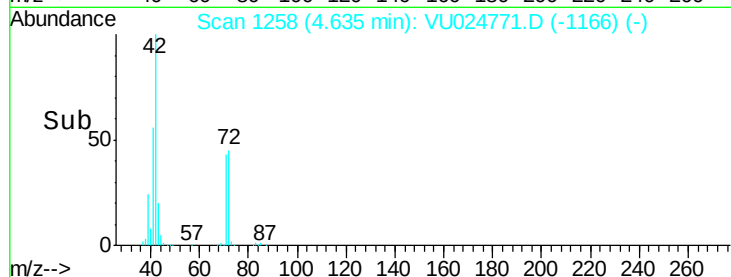
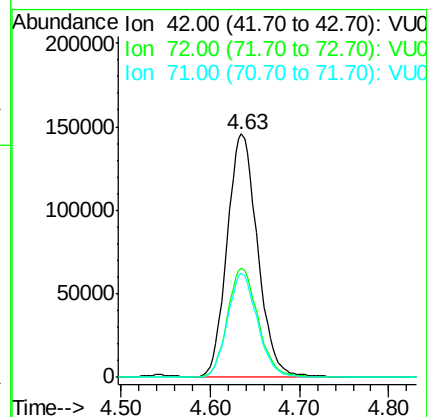
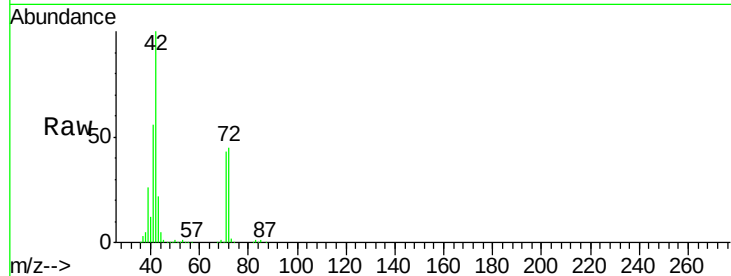




#29
Tetrahydrofuran
Concen: 268.524 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

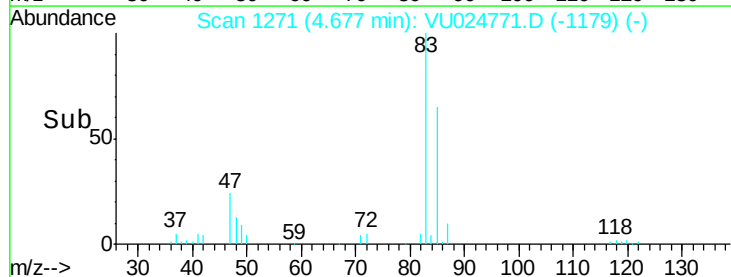
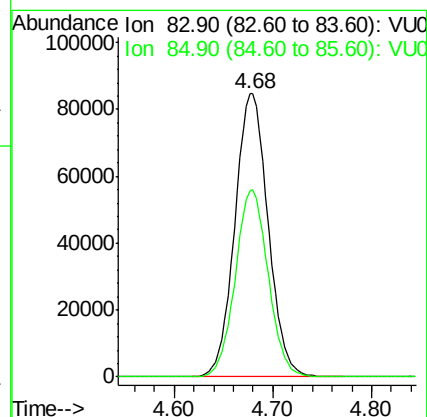
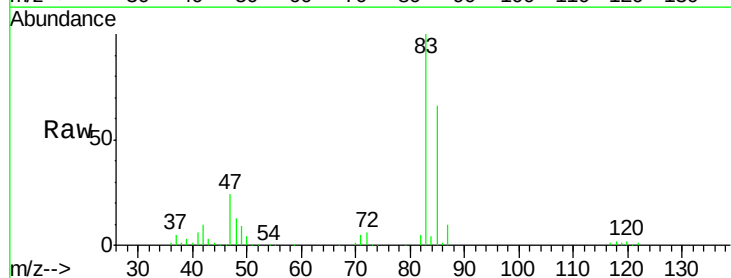
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

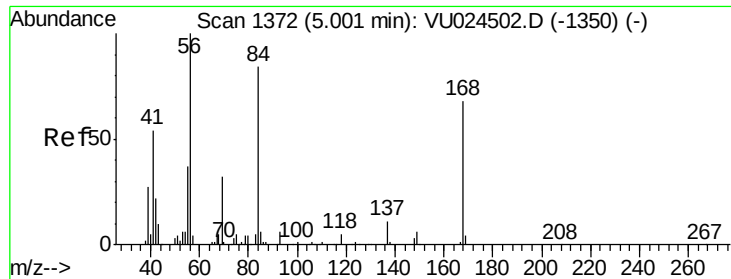
Tgt Ion: 42 Resp: 342961
Ion Ratio Lower Upper
42 100
72 45.4 34.5 51.7
71 42.0 32.2 48.4



#30
Chloroform
Concen: 46.475 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 83 Resp: 198529
Ion Ratio Lower Upper
83 100
85 65.9 52.4 78.6

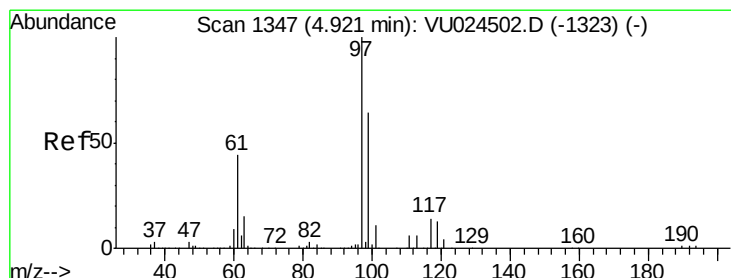
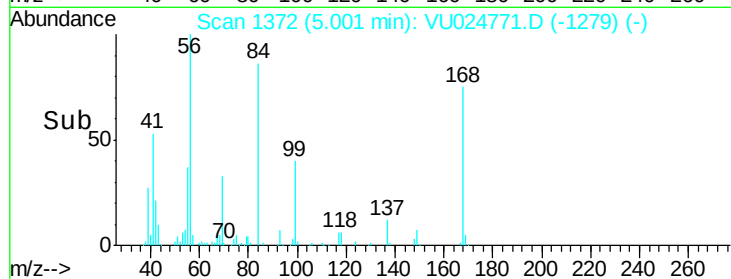
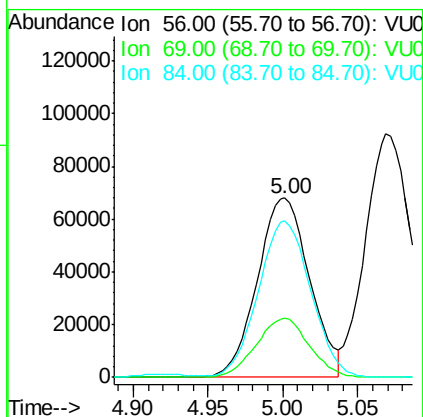
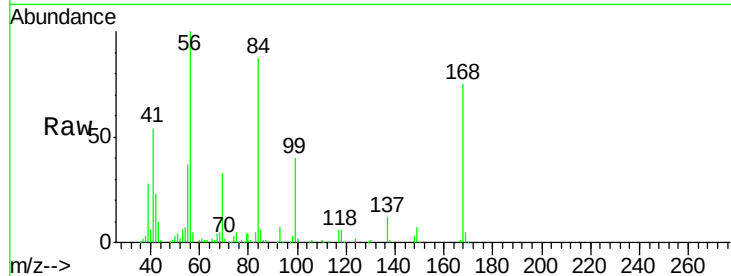




#31
Cyclohexane
Concen: 43.816 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

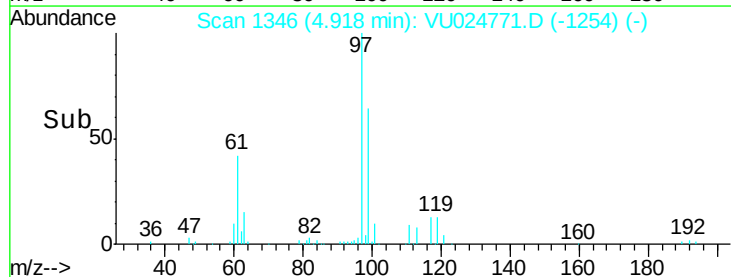
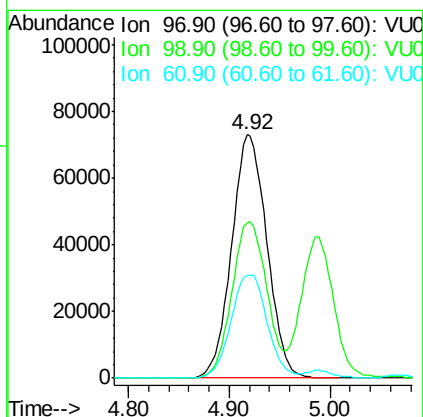
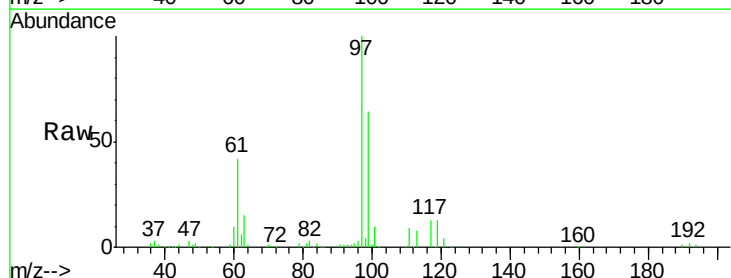
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

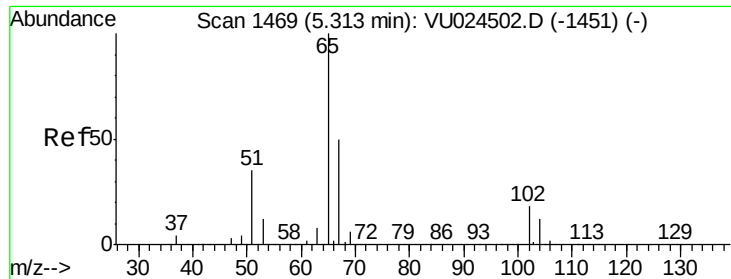
Tgt Ion: 56 Resp: 165129
Ion Ratio Lower Upper
56 100
69 32.7 24.8 37.2
84 86.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 44.821 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 97 Resp: 177051
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 43.7 39.4 59.0

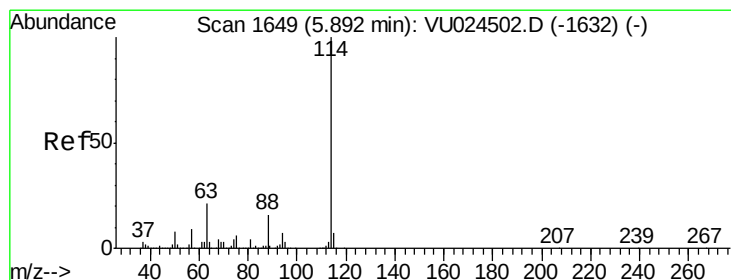
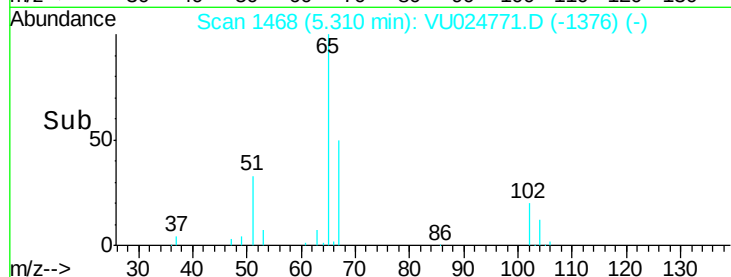
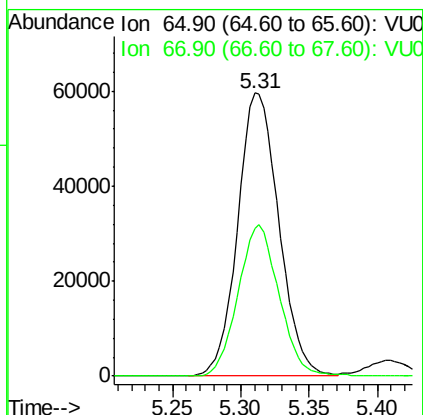
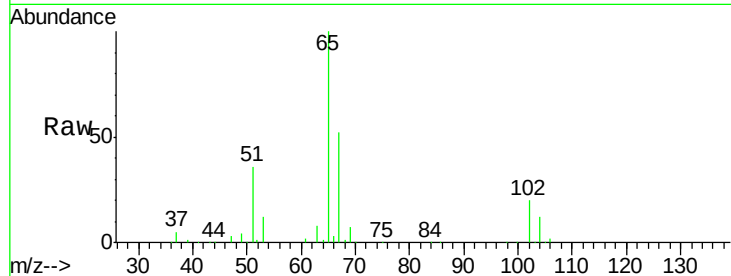




#33
 1,2-Dichloroethane-d4
 Concen: 43.697 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

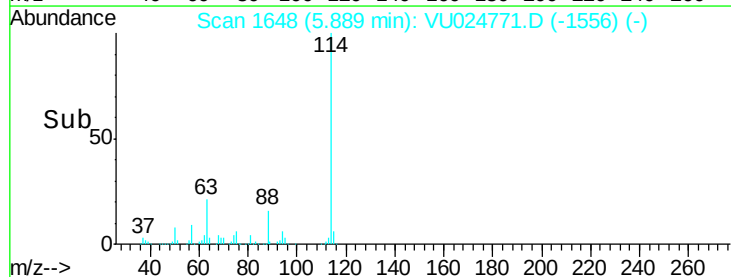
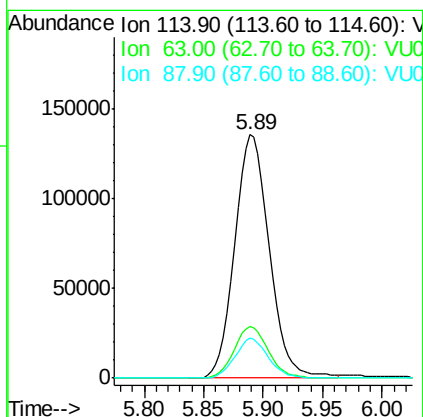
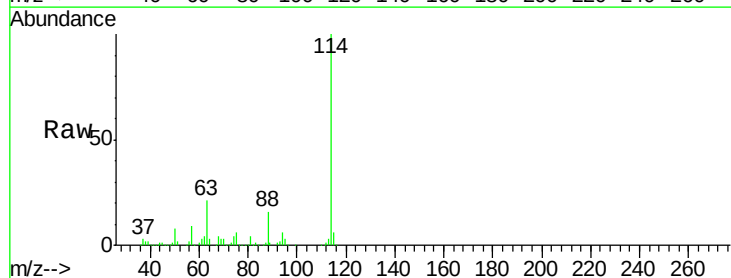
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

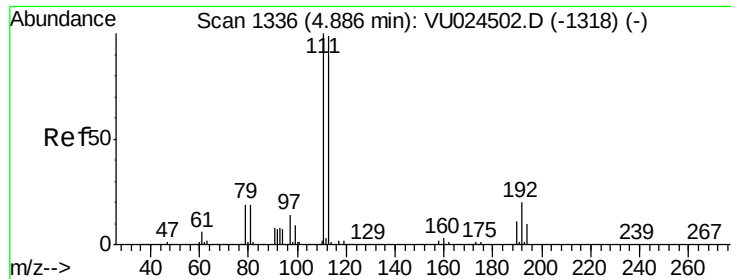
Tgt Ion: 65 Resp: 124873
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 114 Resp: 272921
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.240 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

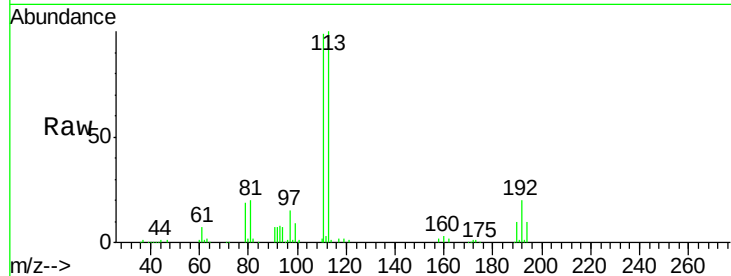
Tgt Ion:113 Resp: 104735

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

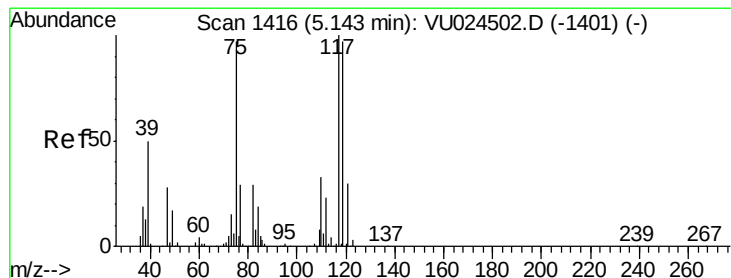
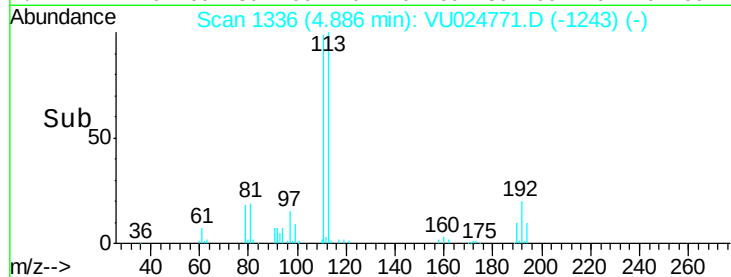
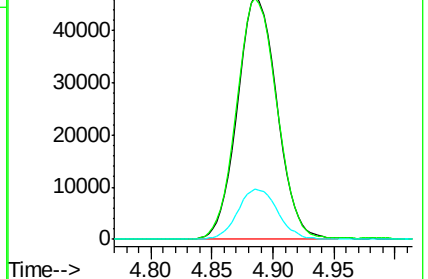
192 20.8 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 42.884 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

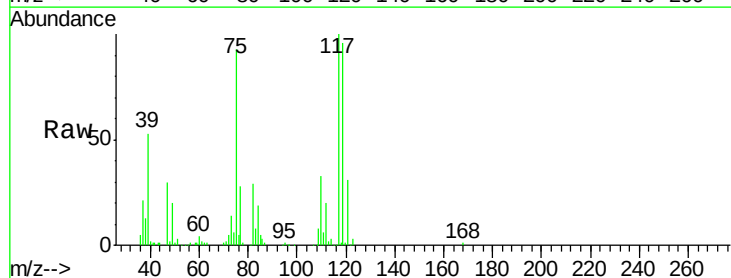
Tgt Ion: 75 Resp: 137531

Ion Ratio Lower Upper

75 100

110 35.7 17.0 50.9

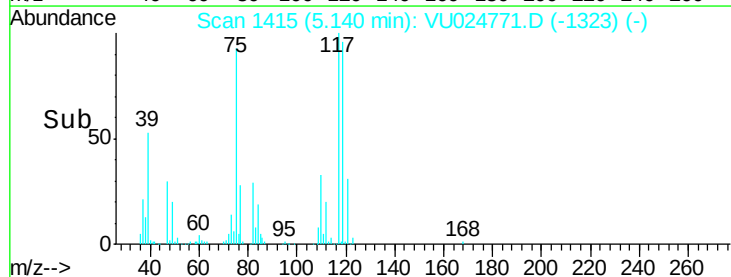
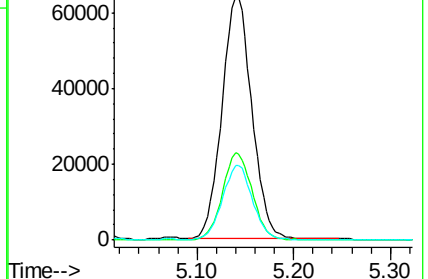
77 30.5 24.2 36.4

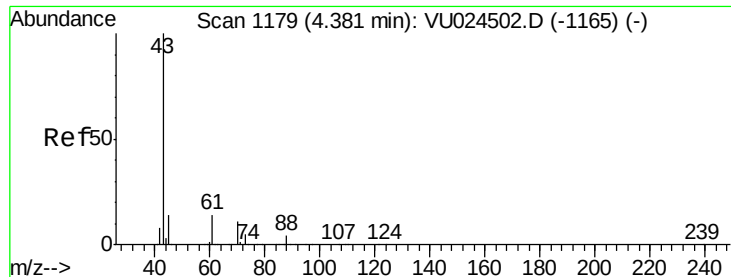


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



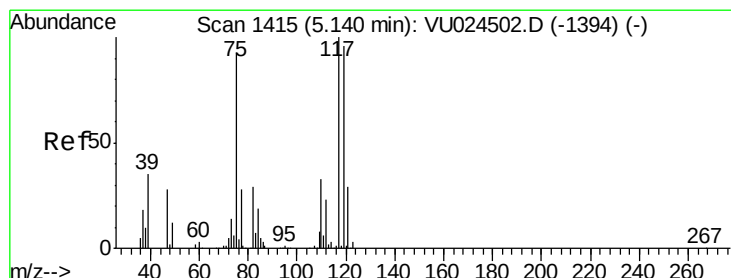
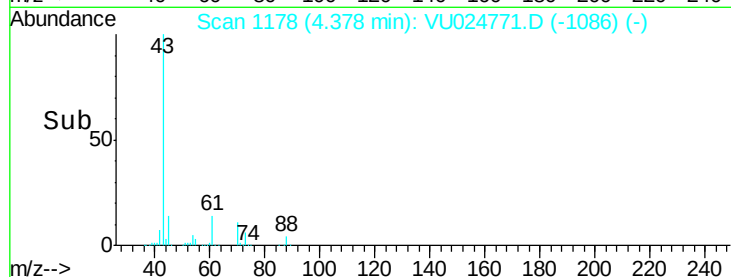
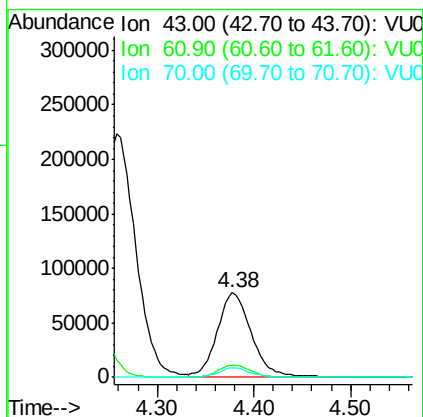
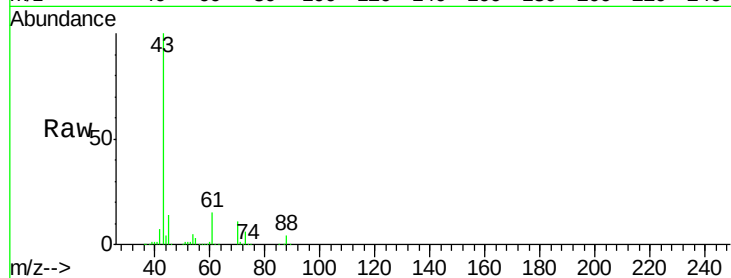


#37
Ethyl Acetate
 Concen: 53.603 ug/l
 RT: 4.38 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tgt Ion: 43 Resp: 187367

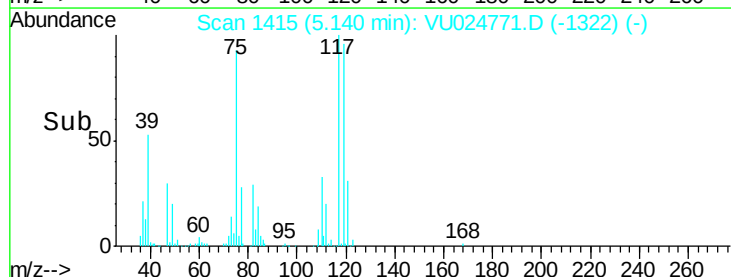
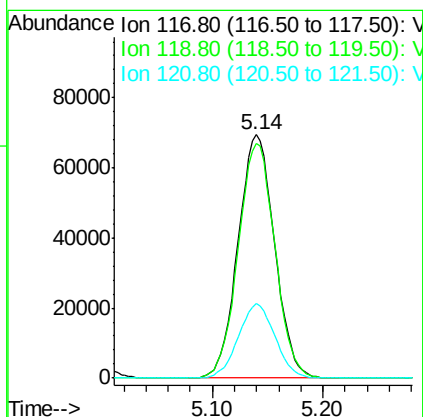
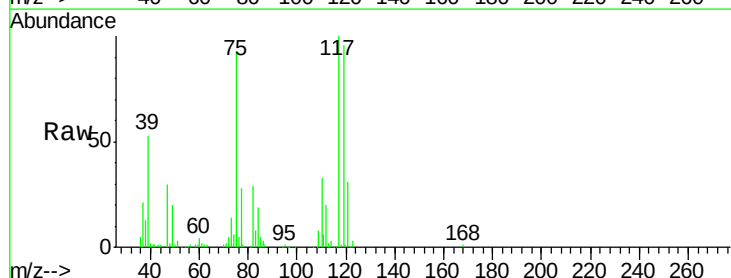
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.9	7.4	11.2

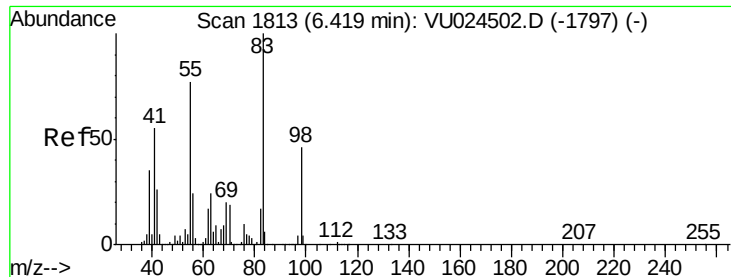


#38
Carbon Tetrachloride
 Concen: 45.139 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 117 Resp: 159190

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	30.5	23.7	35.5

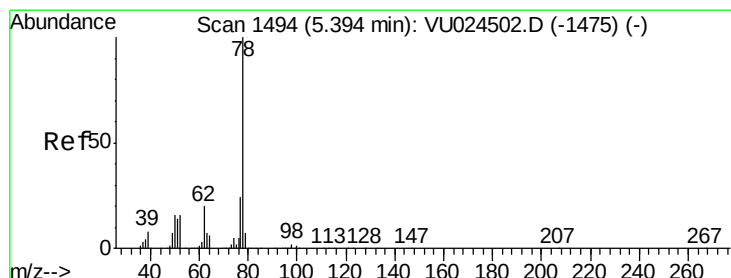
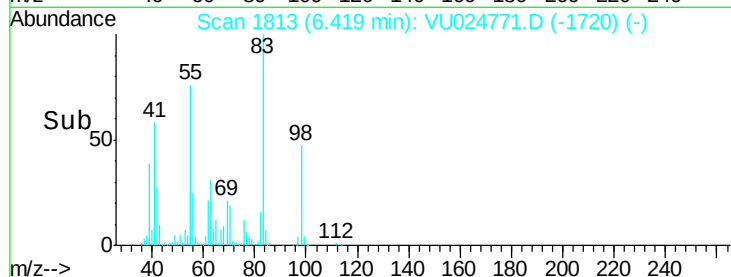
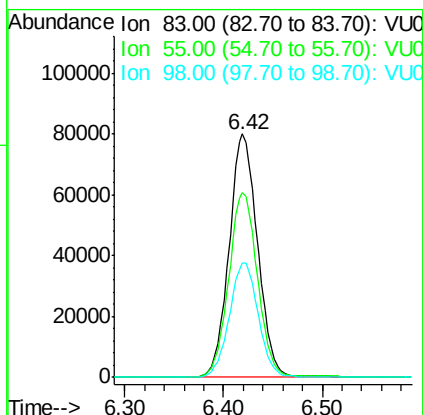
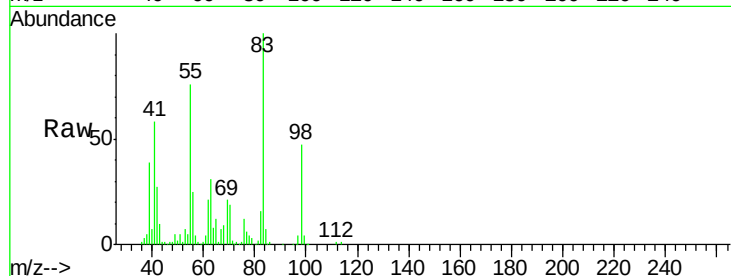




#39
Methylcyclohexane
Concen: 40.320 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

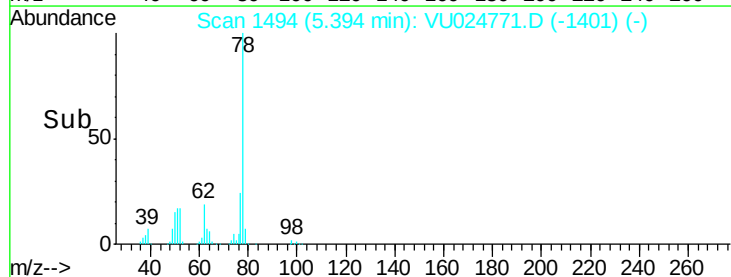
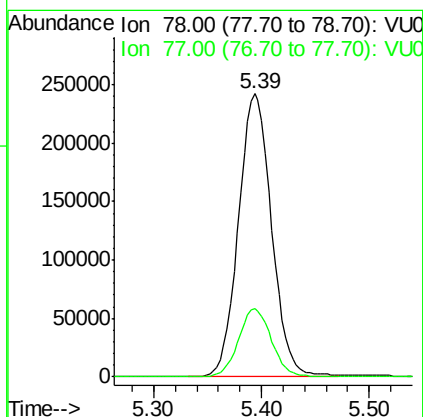
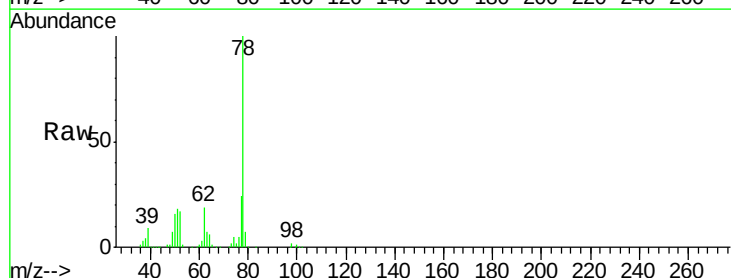
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

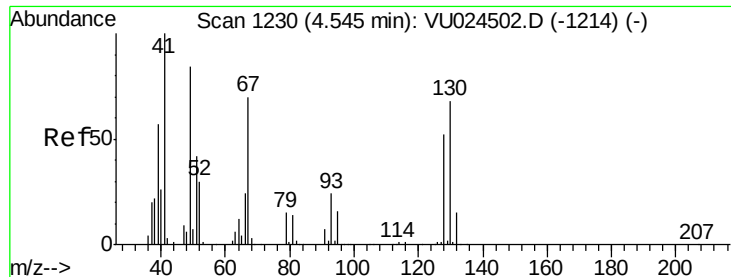
Tgt Ion: 83 Resp: 161367
Ion Ratio Lower Upper
83 100
55 75.8 65.8 98.6
98 47.1 36.7 55.1



#40
Benzene
Concen: 56.737 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 78 Resp: 518481
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

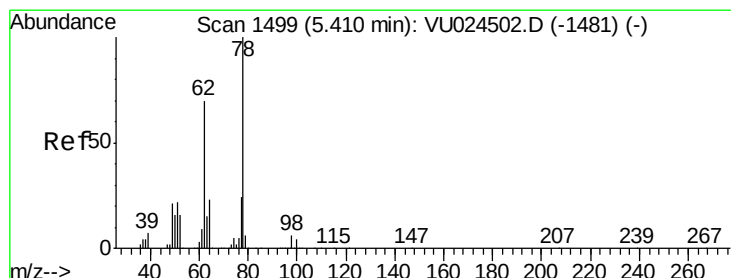
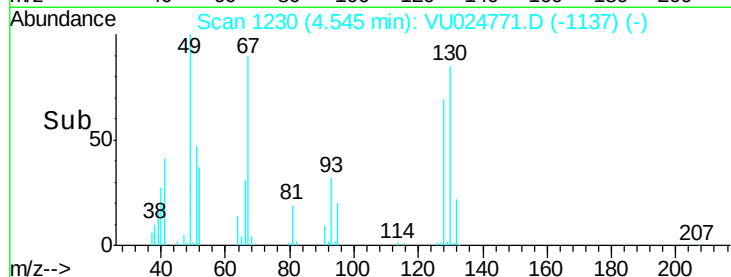
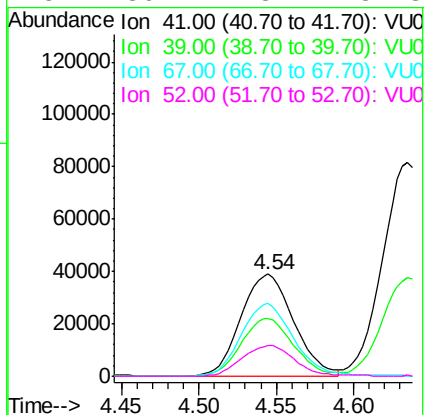
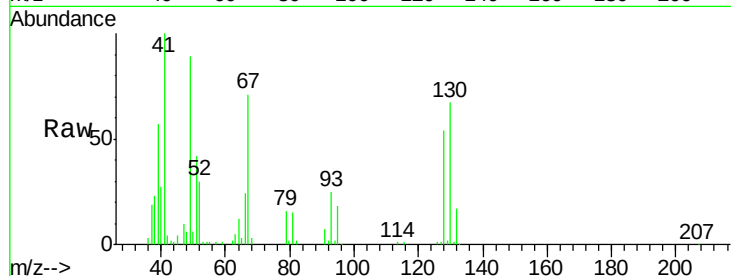




#41
Methacrylonitrile
Concen: 48.617 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

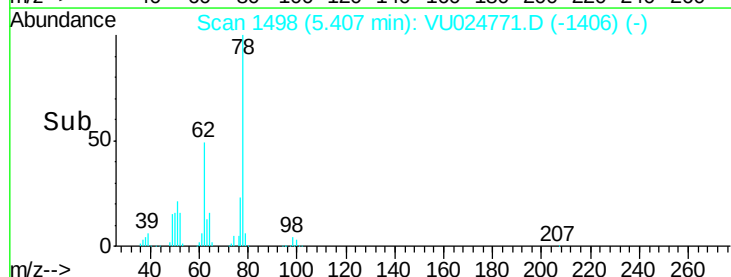
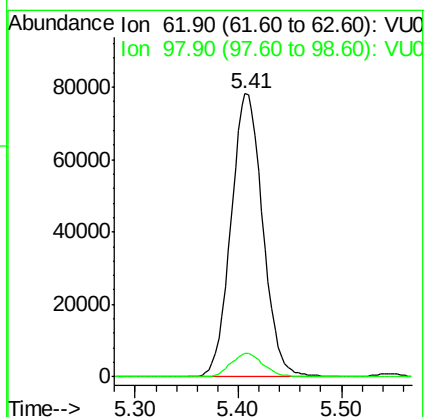
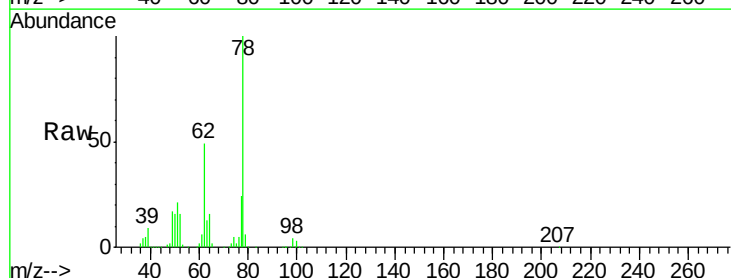
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

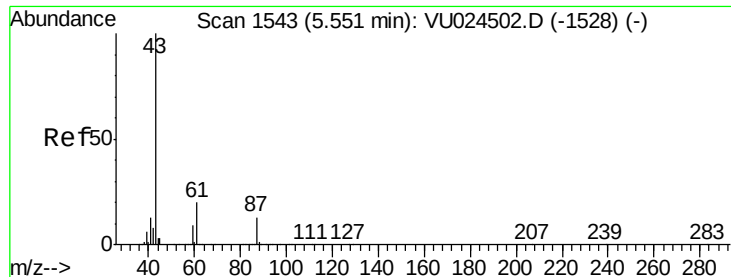
Tgt Ion:	41	Resp:	91624
Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.8	65.6
67	71.9	56.3	84.5
52	30.7	23.2	34.8



#42
1,2-Dichloroethane
Concen: 48.254 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion:	62	Resp:	167946
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 50.137 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

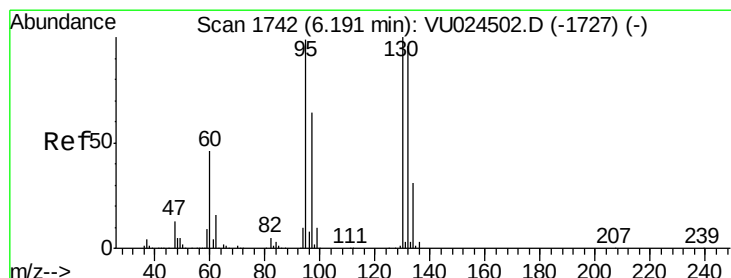
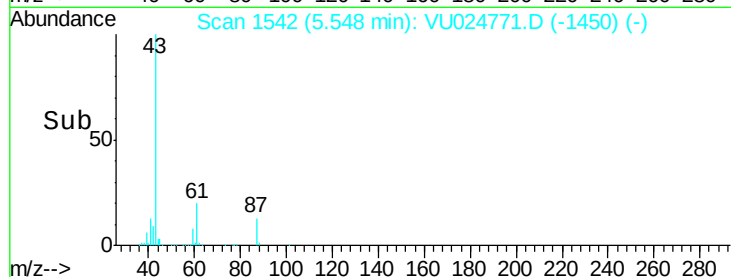
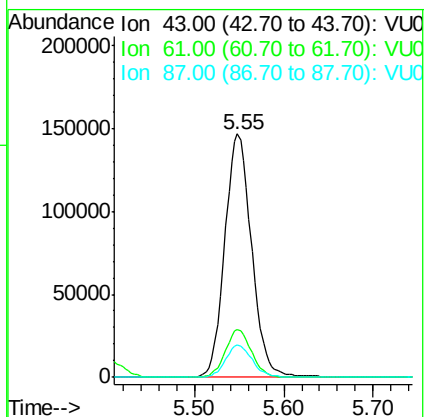
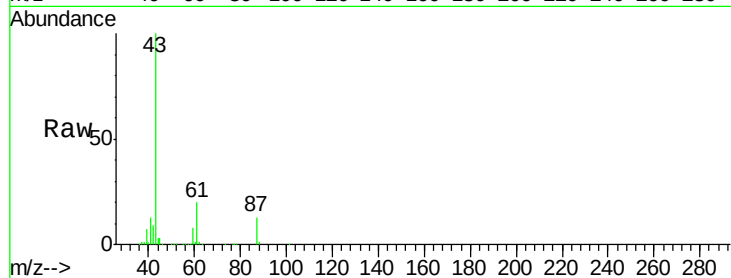
Tgt Ion: 43 Resp: 302931

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.0

87 13.3 10.0 15.0



#44

Trichloroethene

Concen: 44.015 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024771.D

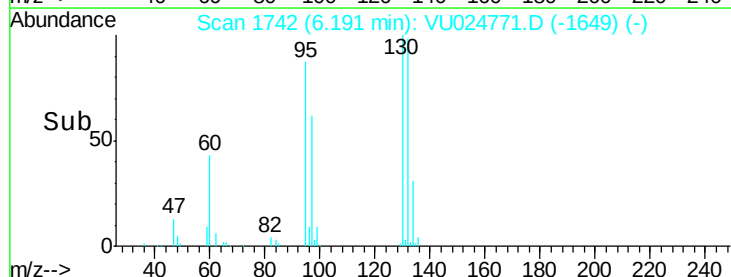
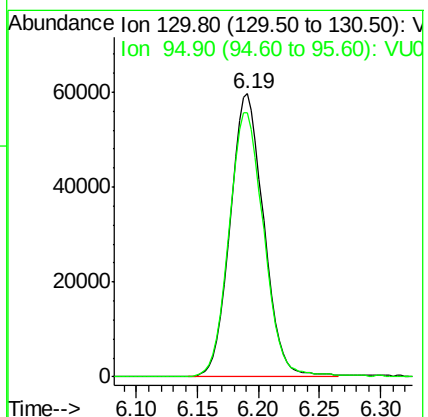
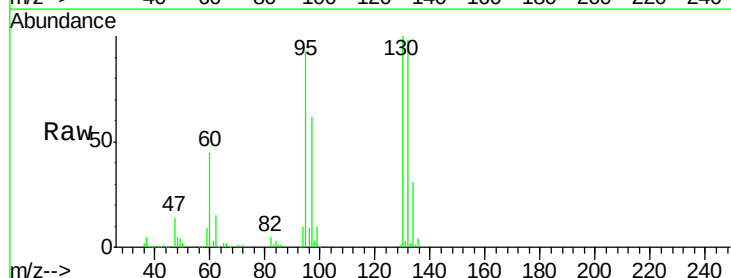
Acq: 20 Jun 2018 20:46

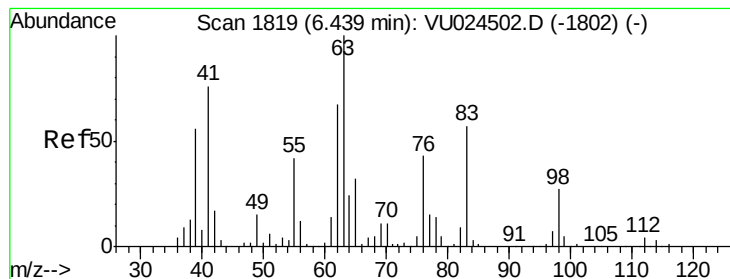
Tgt Ion: 130 Resp: 114471

Ion Ratio Lower Upper

130 100

95 93.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 47.768 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

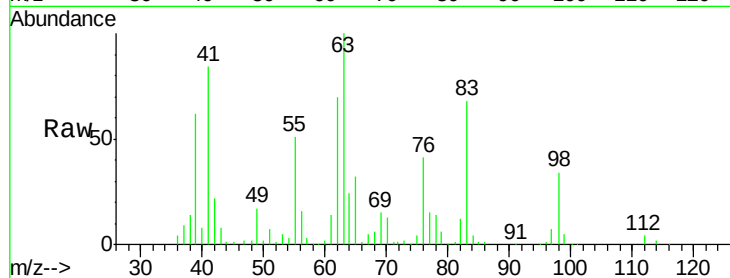
TPTW-04MS

Tgt Ion: 63 Resp: 116474

Ion Ratio Lower Upper

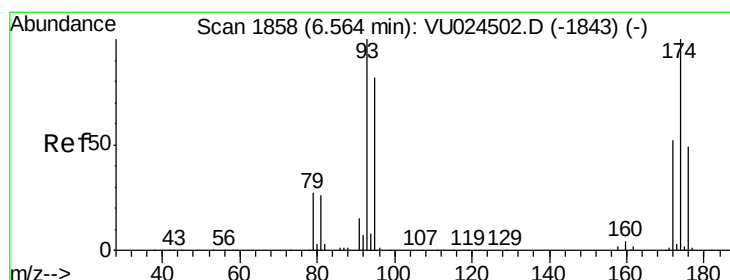
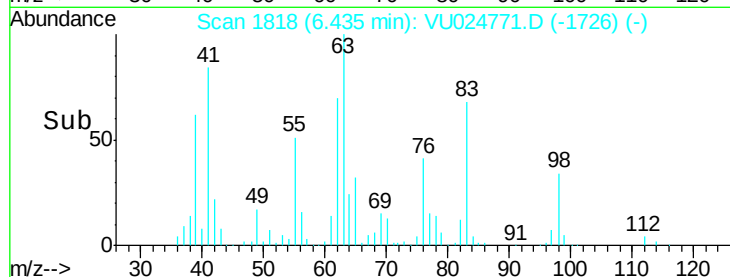
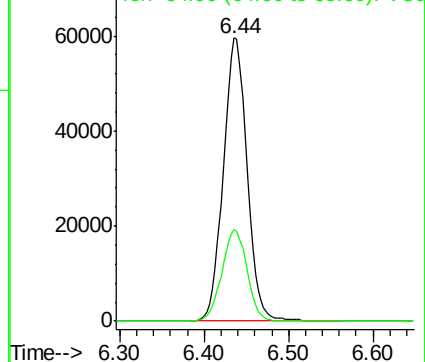
63 100

65 32.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.059 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

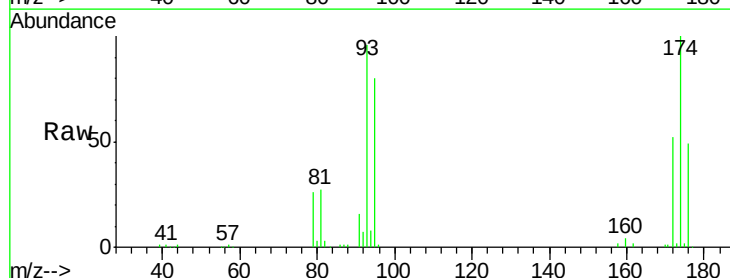
Tgt Ion: 93 Resp: 82310

Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

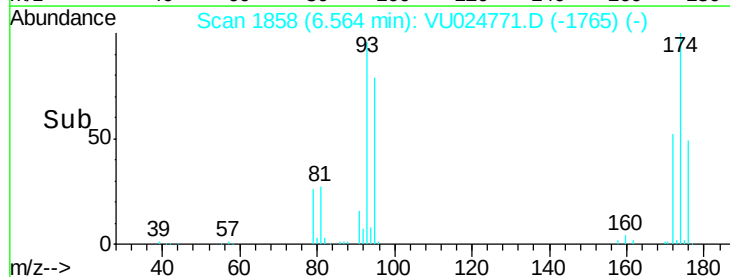
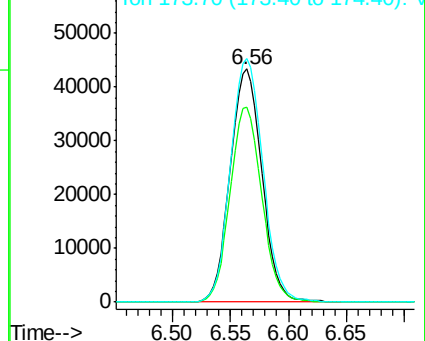
174 106.5 78.7 118.1

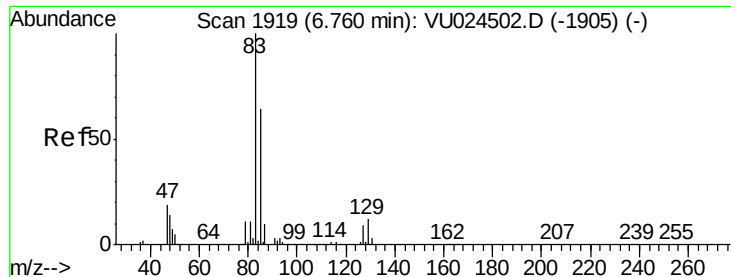


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.742 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

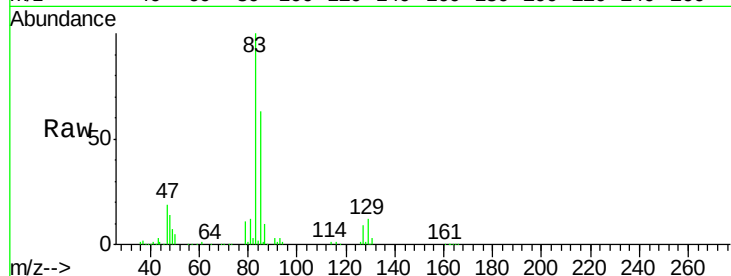
Tgt Ion: 83 Resp: 159414

Ion Ratio Lower Upper

83 100

85 63.1 51.9 77.9

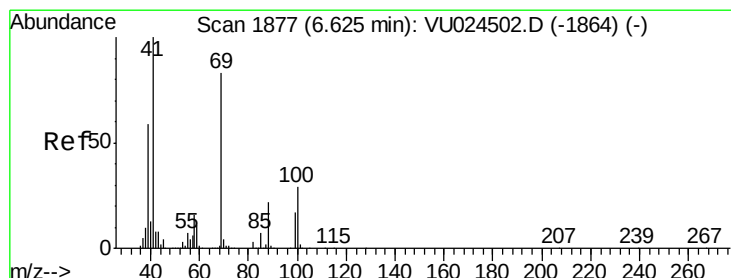
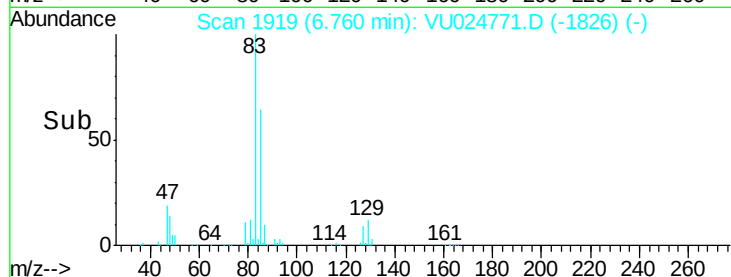
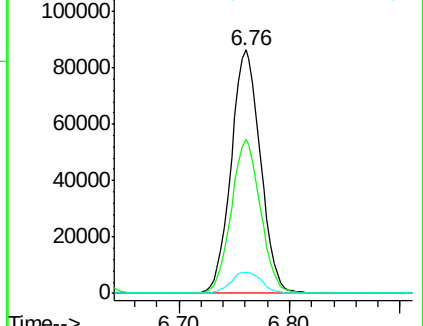
127 8.6 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 40.988 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

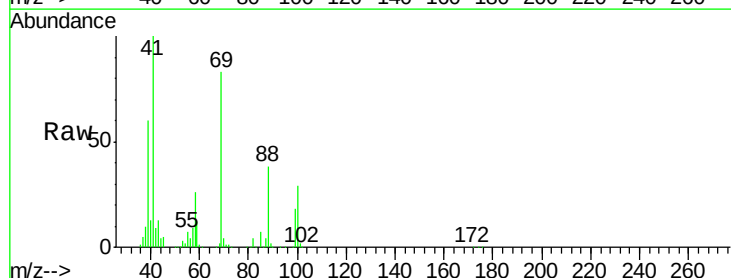
Tgt Ion: 41 Resp: 120592

Ion Ratio Lower Upper

41 100

69 83.1 67.3 100.9

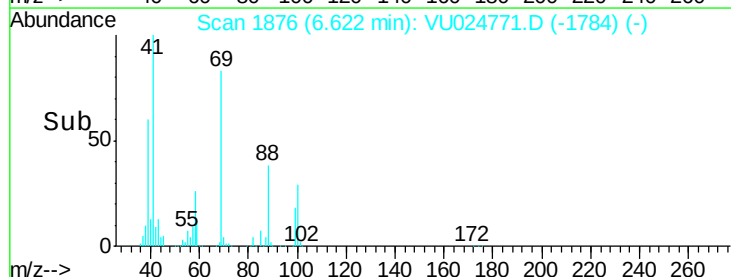
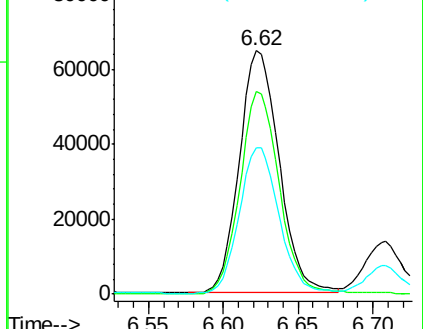
39 59.8 46.5 69.7

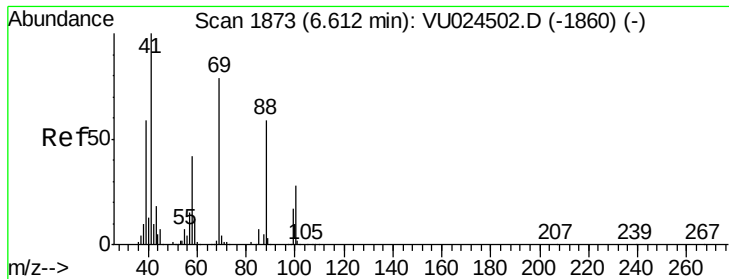


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

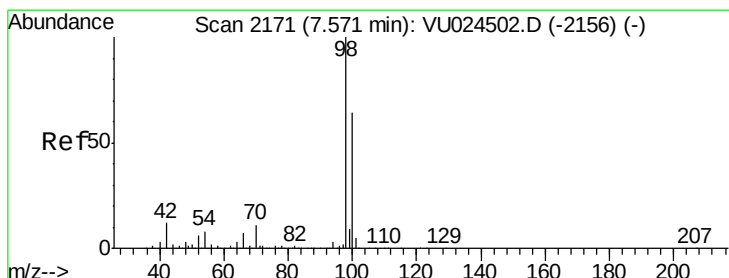
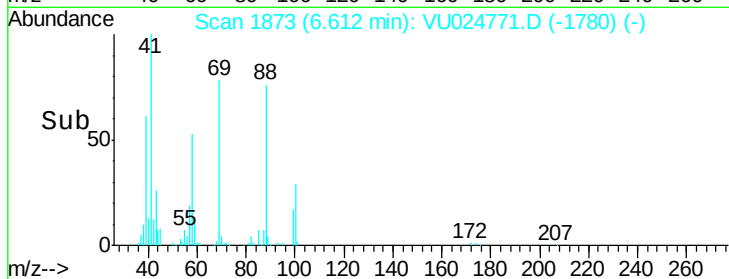
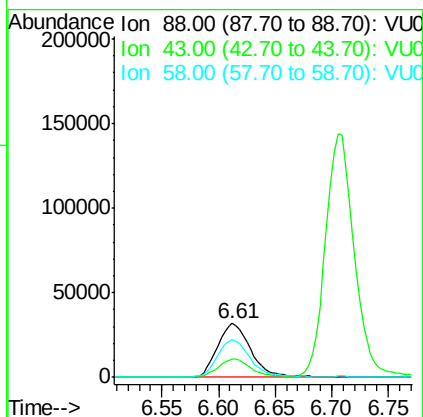
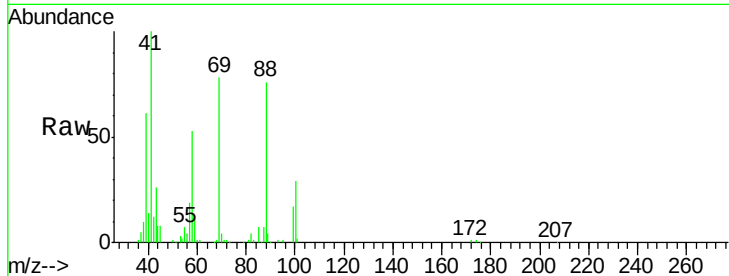




#49
1,4-Dioxane
Concen: 1121.931 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

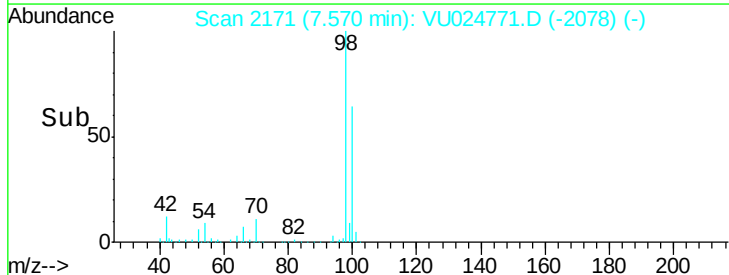
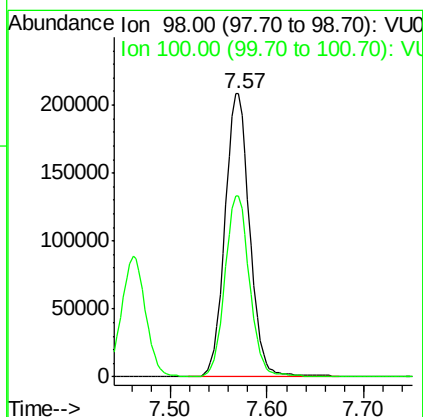
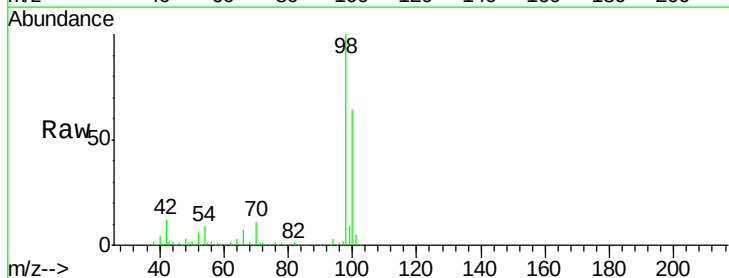
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

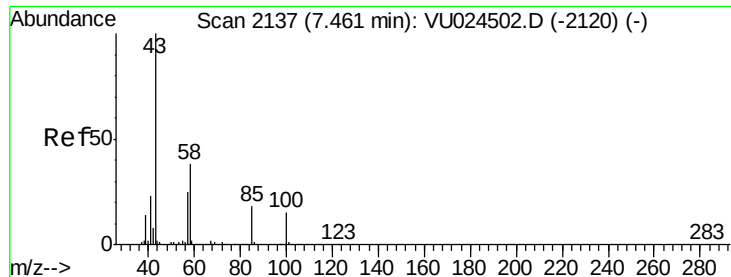
Tgt Ion: 88 Resp: 64552
Ion Ratio Lower Upper
88 100
43 33.0 28.6 42.8
58 70.7 58.2 87.4



#50
Toluene-d8
Concen: 44.787 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 98 Resp: 370027
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 275.463 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

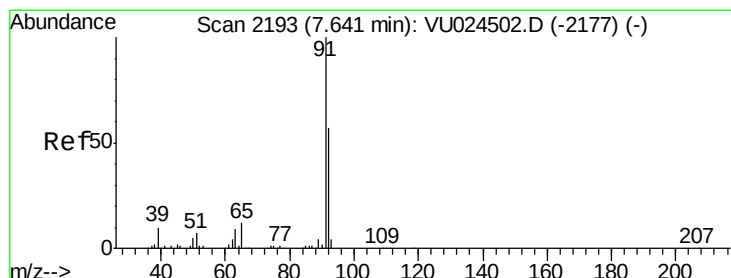
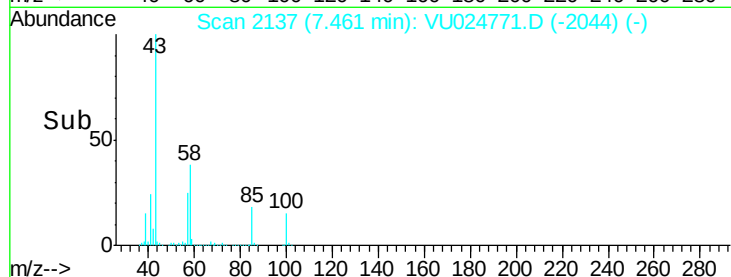
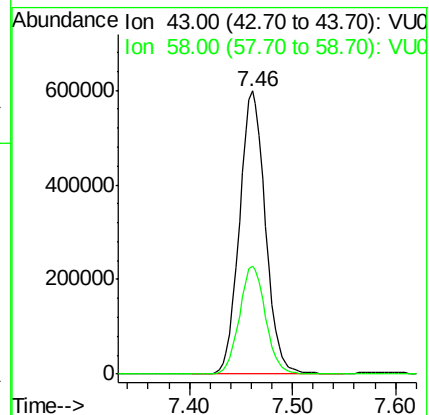
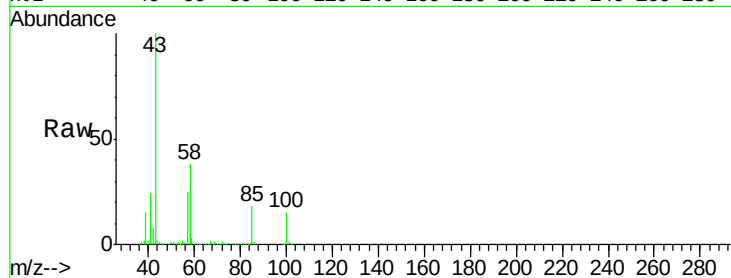
TPTW-04MS

Tgt Ion: 43 Resp: 1045630

Ion Ratio Lower Upper

43 100

58 38.5 30.0 45.0



#52

Toluene

Concen: 47.118 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024771.D

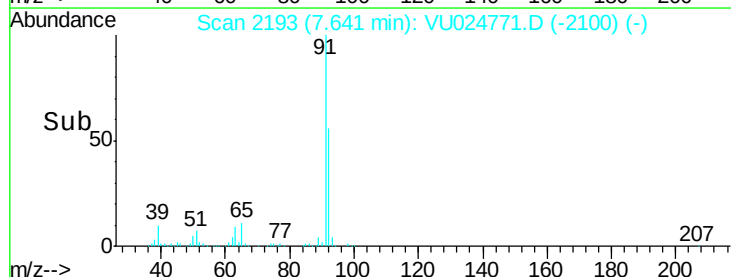
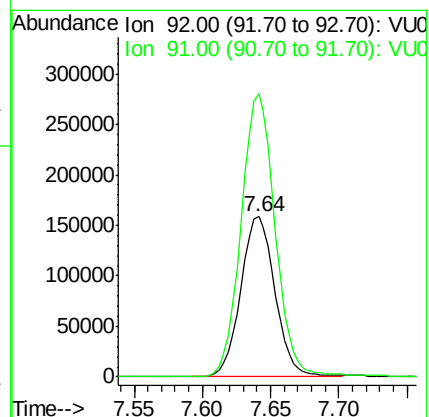
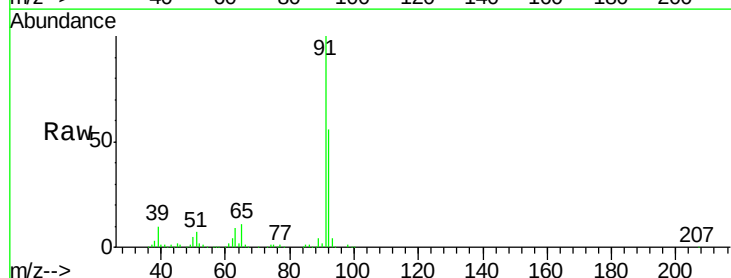
Acq: 20 Jun 2018 20:46

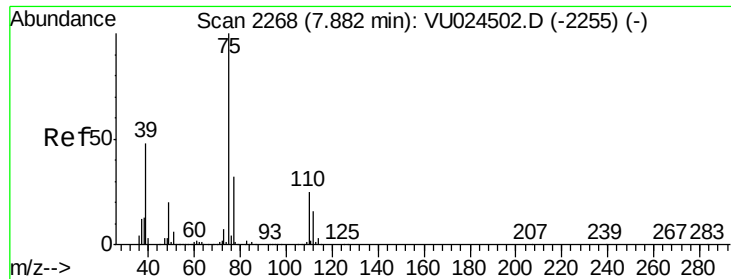
Tgt Ion: 92 Resp: 277017

Ion Ratio Lower Upper

92 100

91 175.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 44.675 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

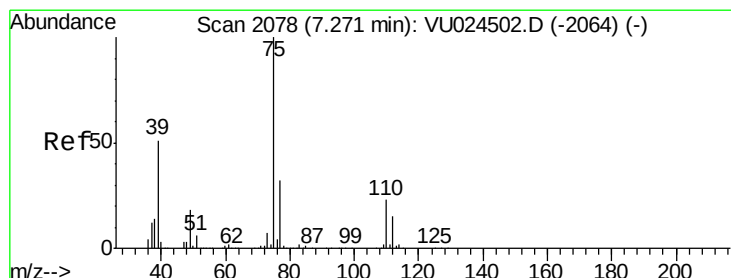
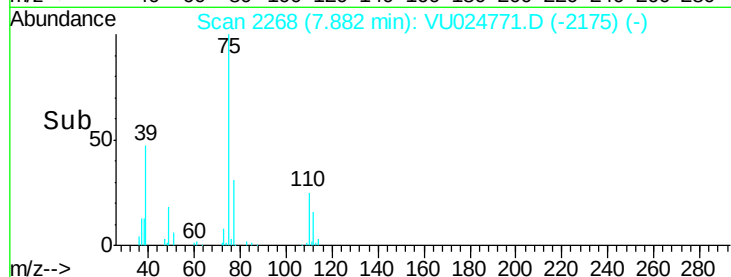
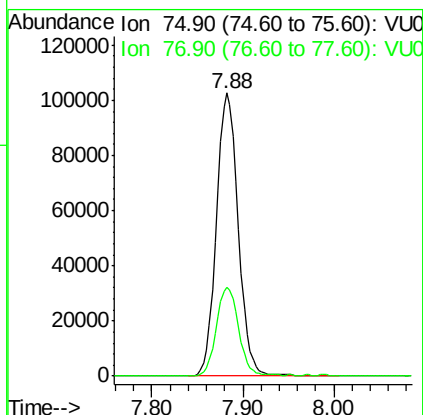
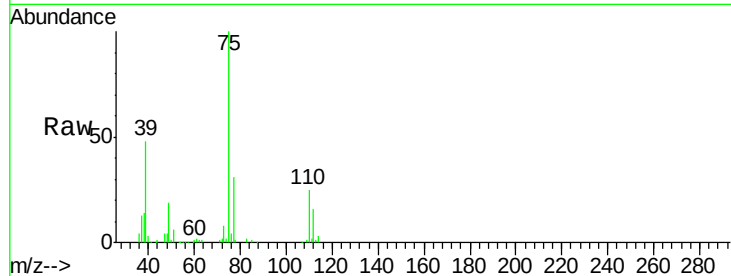
TPTW-04MS

Tgt Ion: 75 Resp: 171104

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 44.121 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

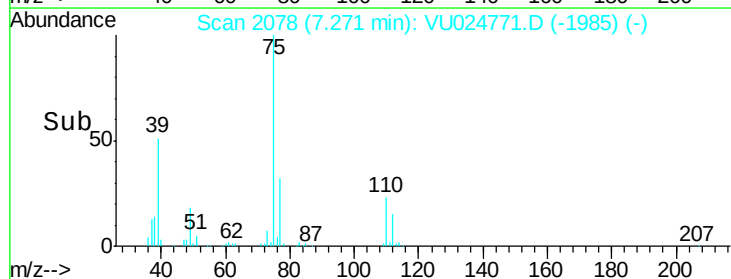
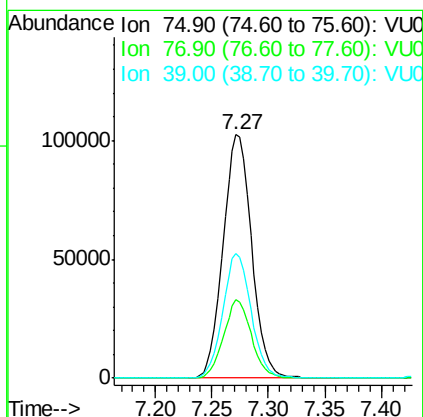
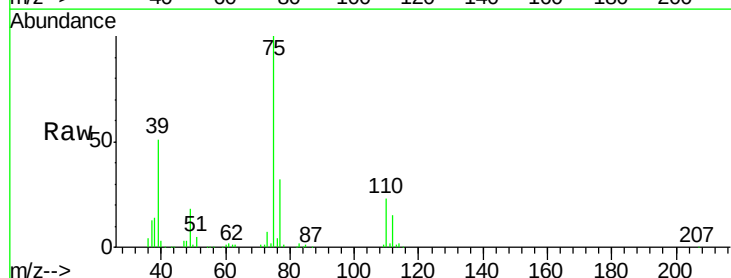
Tgt Ion: 75 Resp: 180063

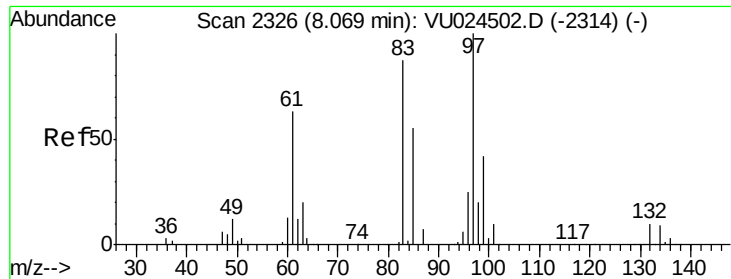
Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

39 51.1 39.8 59.6

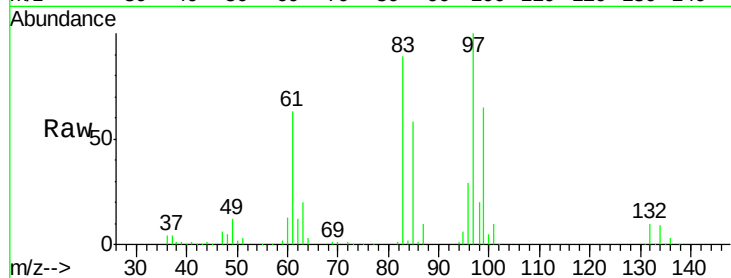




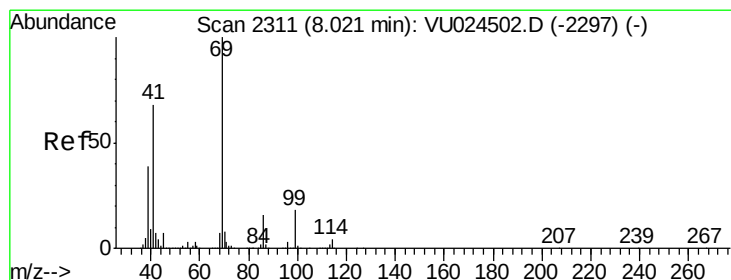
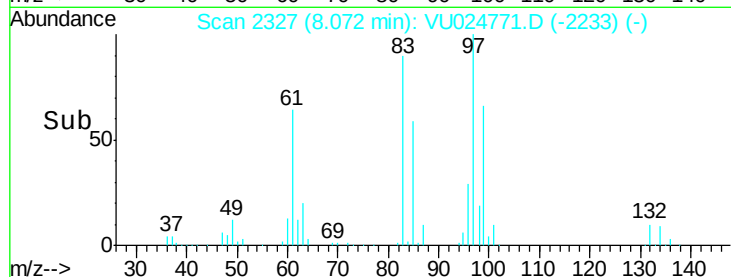
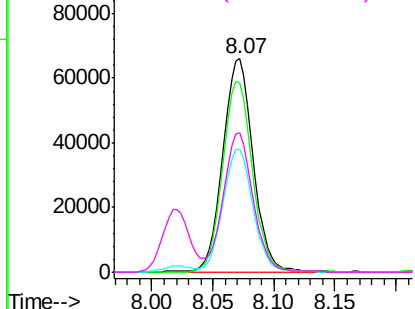
#55
 1,1,2-Trichloroethane
 Concen: 48.025 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tgt Ion:	97	Resp:	114773
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	57.7	46.4	69.6
99	65.3	50.2	75.2

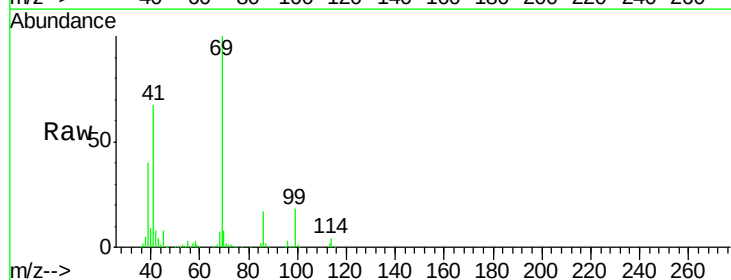


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

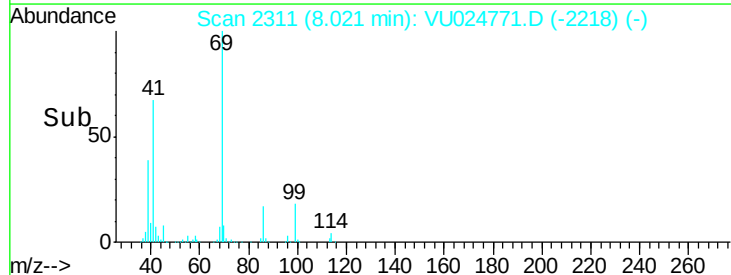
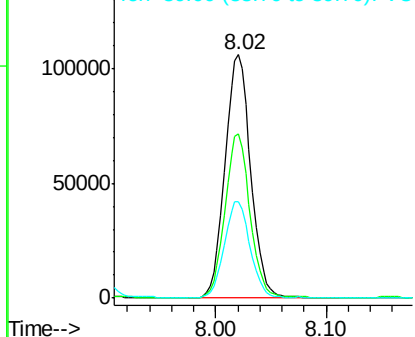


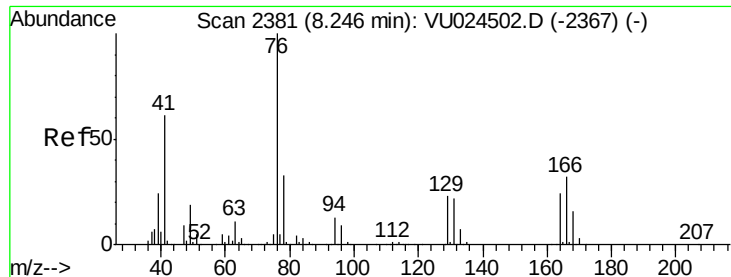
#56
 Ethyl methacrylate
 Concen: 42.859 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion:	69	Resp:	171436
Ion	Ratio	Lower	Upper
69	100		
41	65.3	54.1	81.1
39	39.3	30.3	45.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

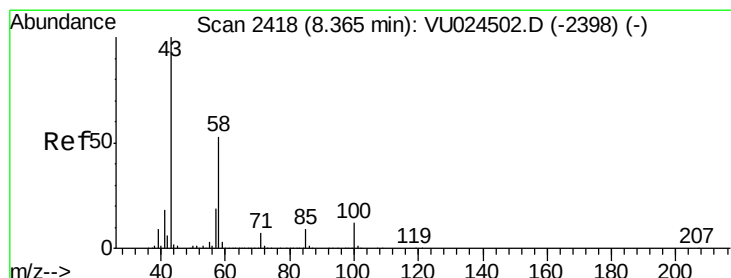
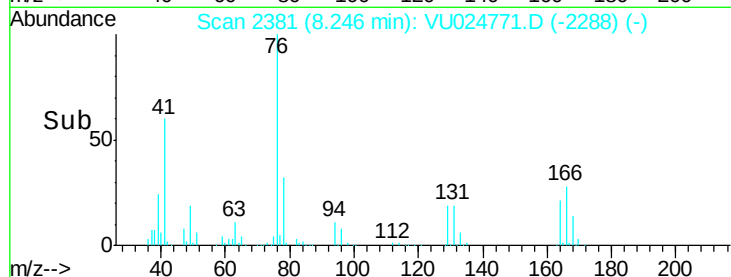
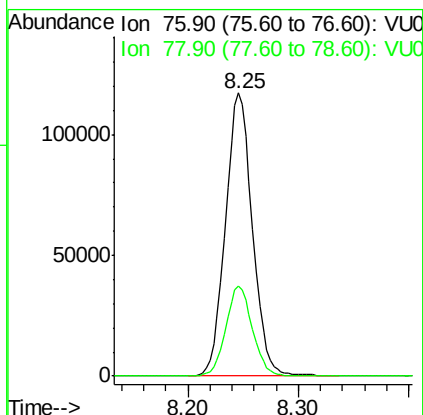
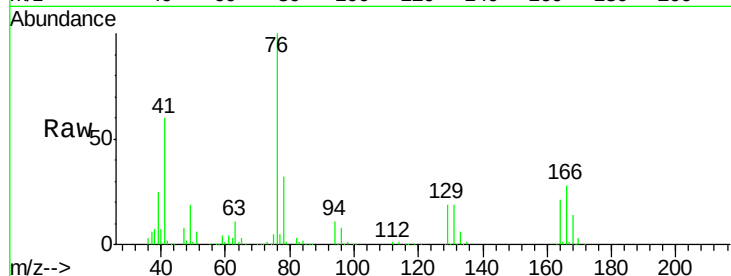




#57
 1,3-Dichloropropane
 Concen: 49.310 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

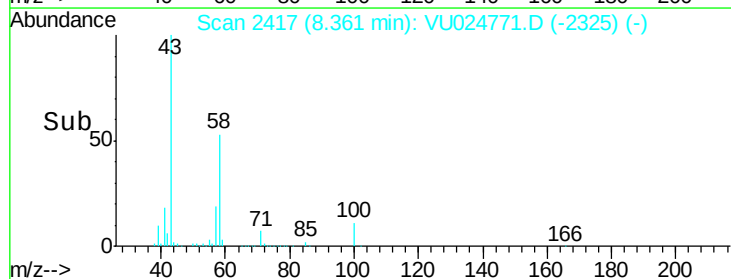
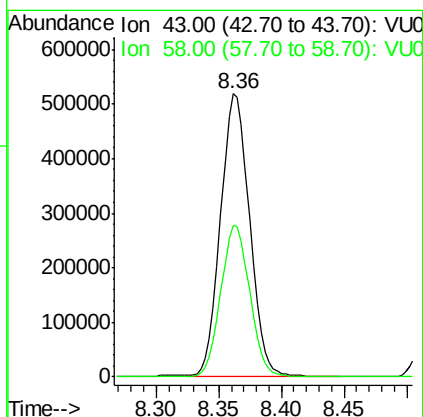
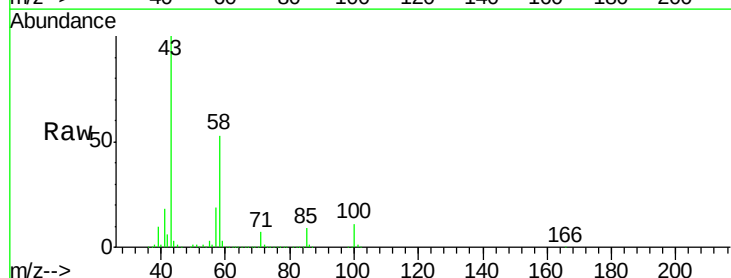
Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MS

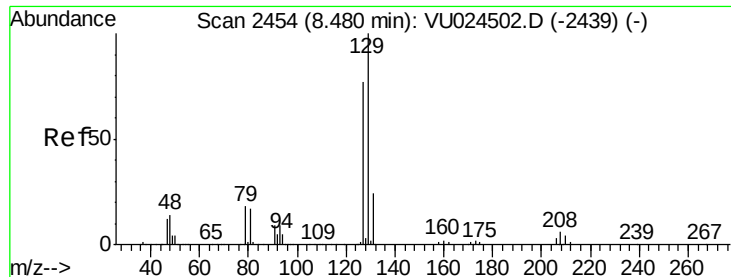
Tgt Ion: 76 Resp: 198793
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8



#59
 2-Hexanone
 Concen: 268.074 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 43 Resp: 830761
 Ion Ratio Lower Upper
 43 100
 58 53.7 26.4 79.0





#60

Dibromochloromethane

Concen: 46.411 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

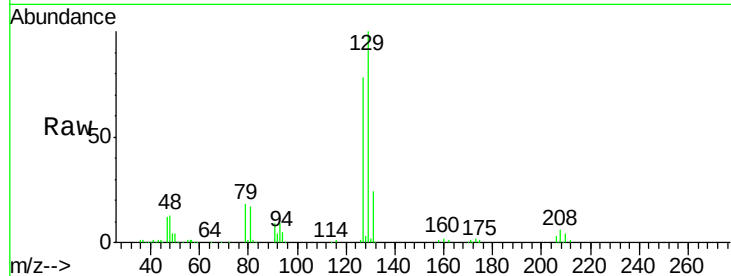
TPTW-04MS

Tgt Ion:129 Resp: 138311

Ion Ratio Lower Upper

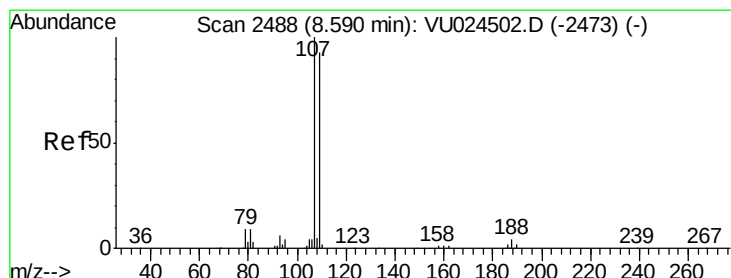
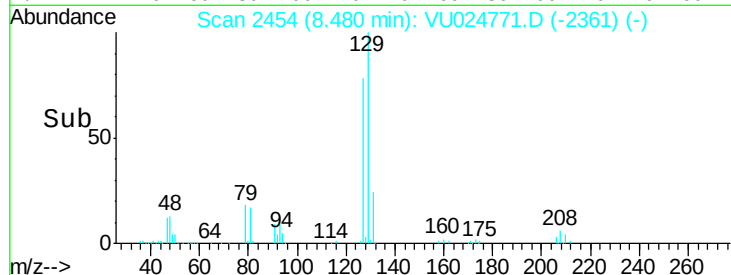
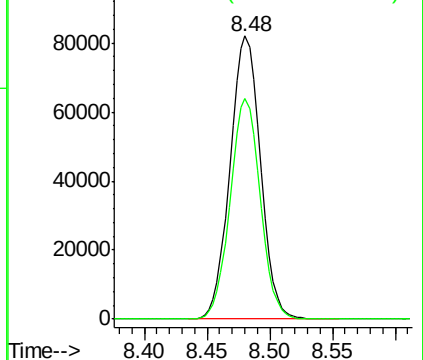
129 100

127 77.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.193 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024771.D

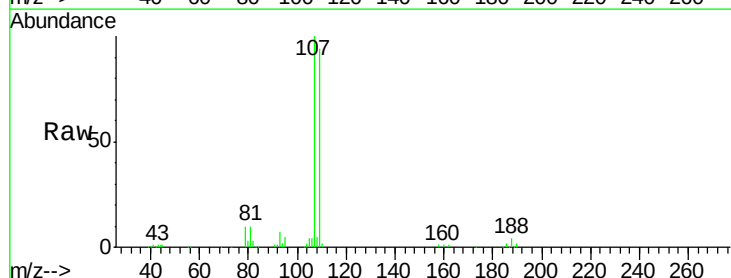
Acq: 20 Jun 2018 20:46

Tgt Ion:107 Resp: 130852

Ion Ratio Lower Upper

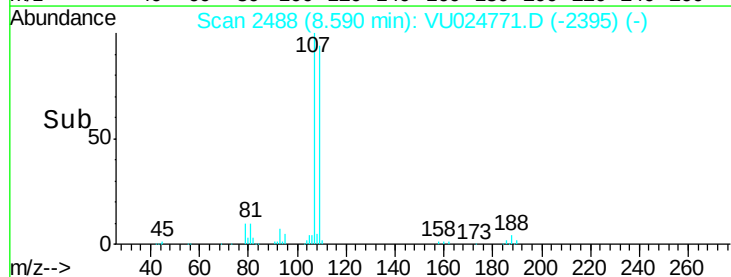
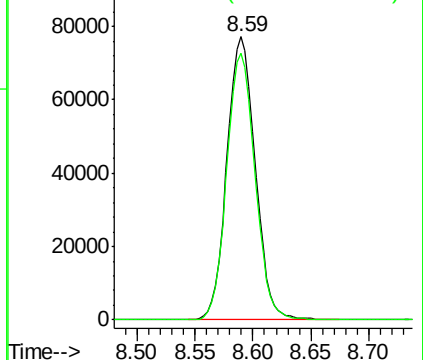
107 100

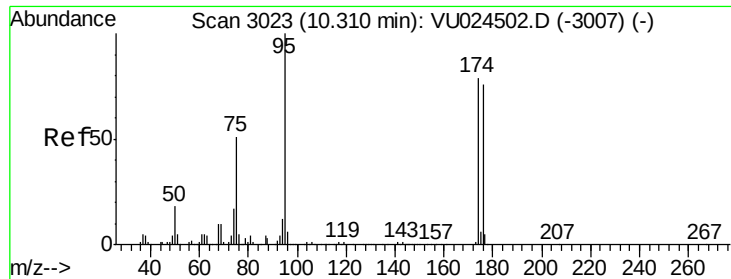
109 94.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

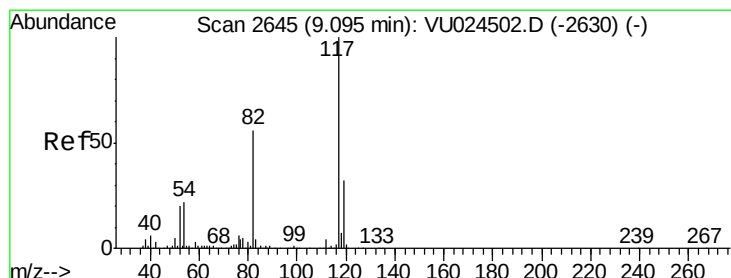
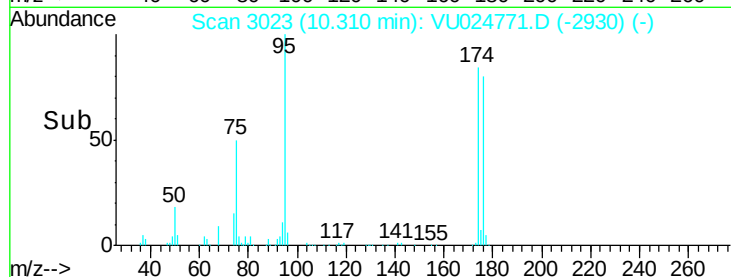
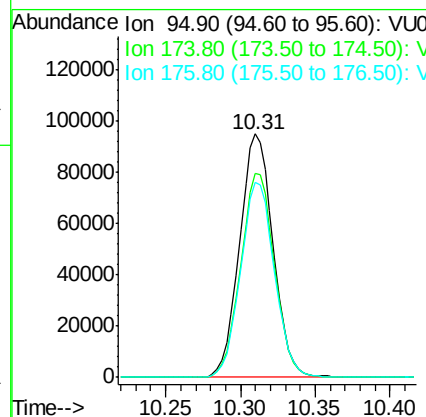
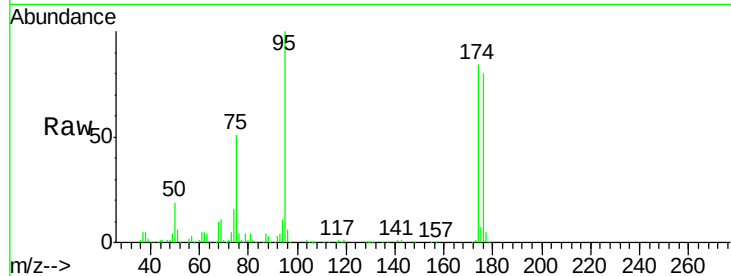




#62
4-Bromofluorobenzene
Concen: 45.171 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

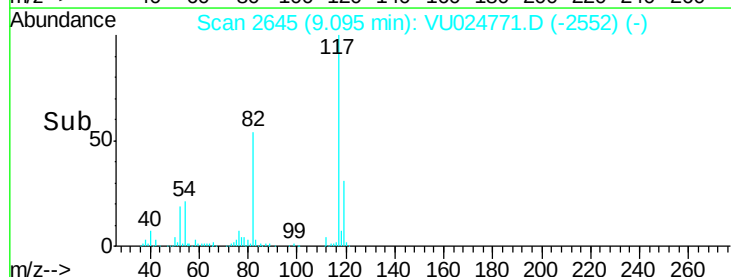
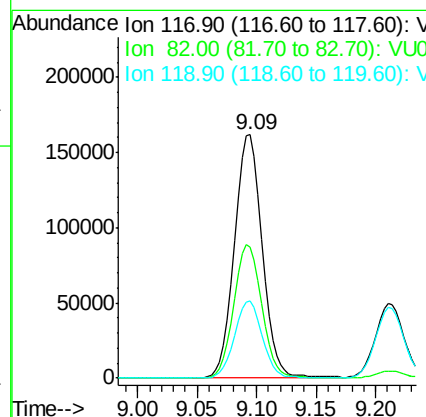
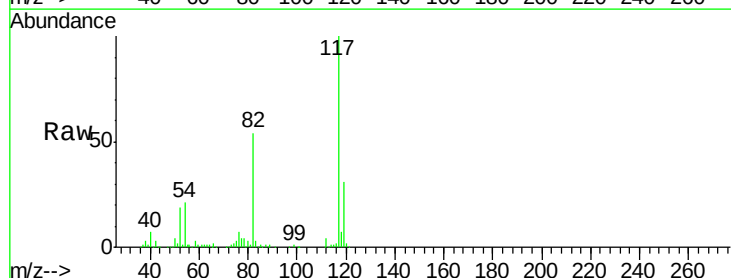
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

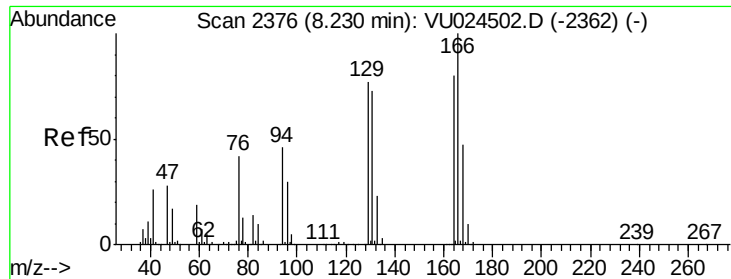
Tgt Ion: 95 Resp: 148176
Ion Ratio Lower Upper
95 100
174 84.6 0.0 165.8
176 81.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion: 117 Resp: 263540
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.5 25.4 38.2

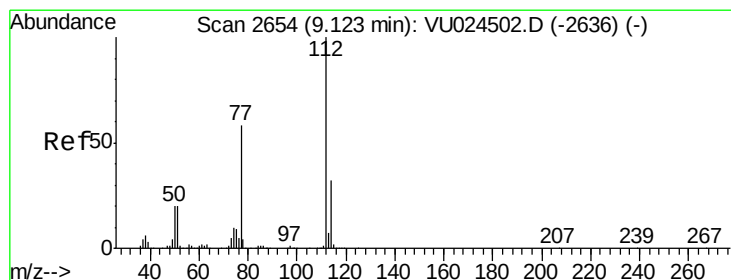
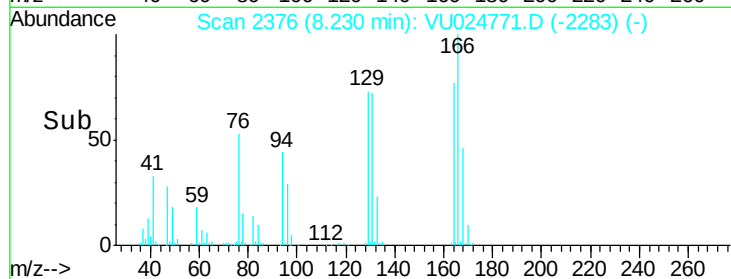
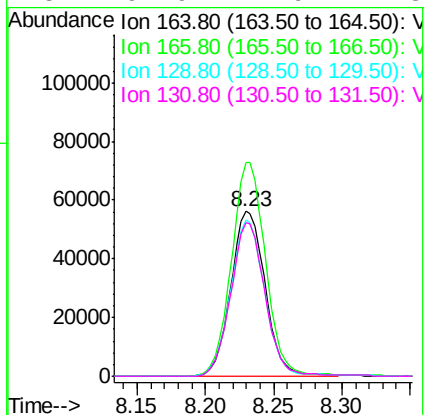
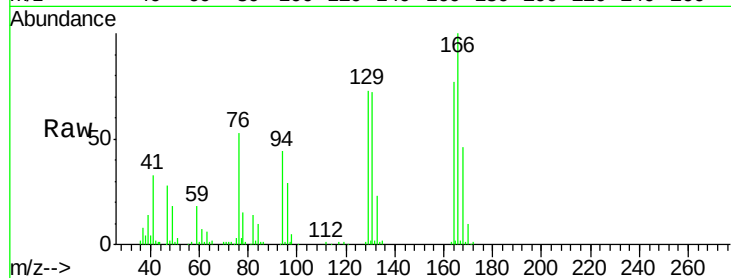




#64
Tetrachloroethene
Concen: 39.097 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

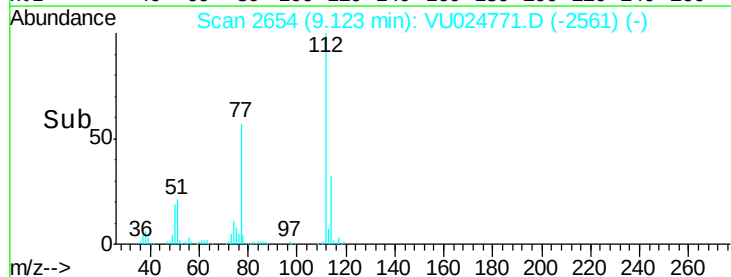
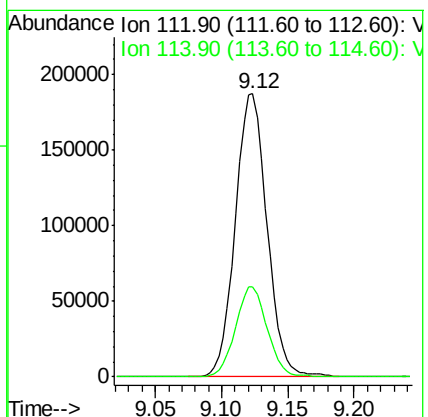
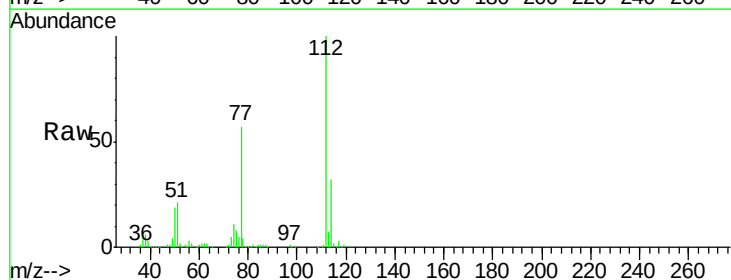
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

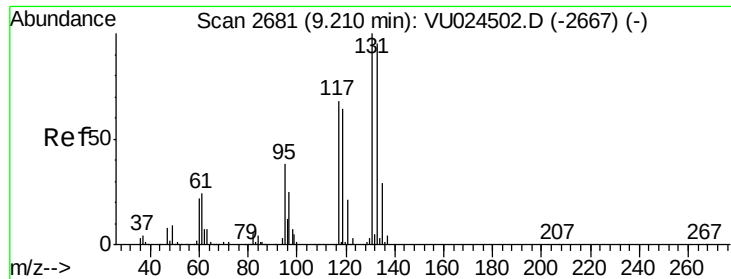
Tgt Ion:164 Resp: 97941
Ion Ratio Lower Upper
164 100
166 129.2 101.7 152.5
129 94.5 76.9 115.3
131 92.9 74.9 112.3



#65
Chlorobenzene
Concen: 46.290 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion:112 Resp: 311644
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 46.864 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

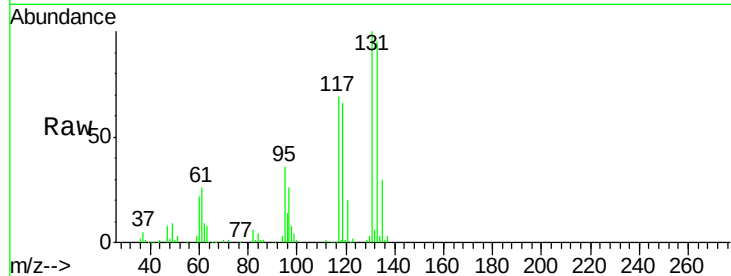
Tgt Ion:131 Resp: 119870

Ion Ratio Lower Upper

131 100

133 96.6 46.9 140.8

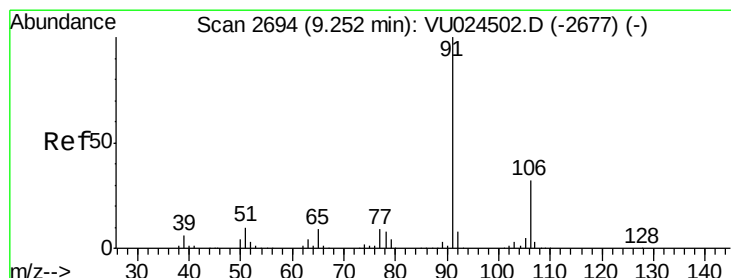
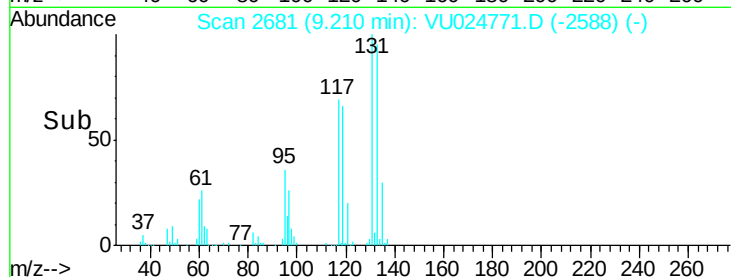
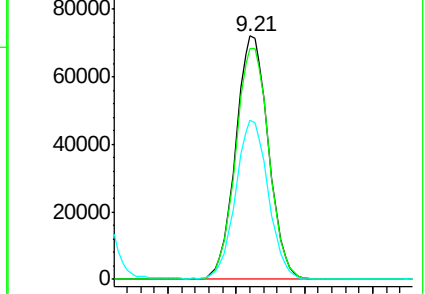
119 65.2 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 45.698 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024771.D

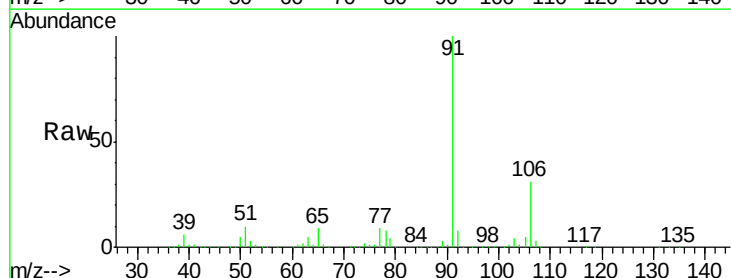
Acq: 20 Jun 2018 20:46

Tgt Ion: 91 Resp: 539356

Ion Ratio Lower Upper

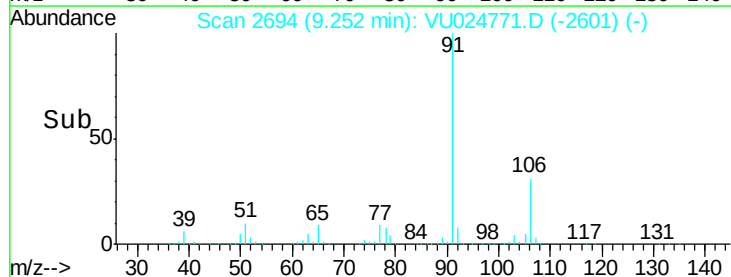
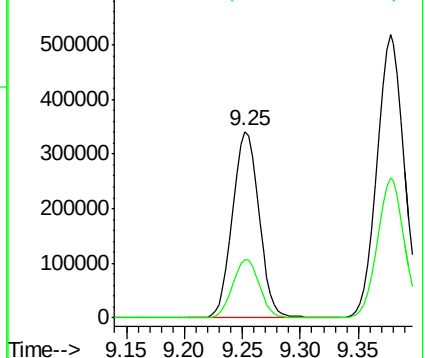
91 100

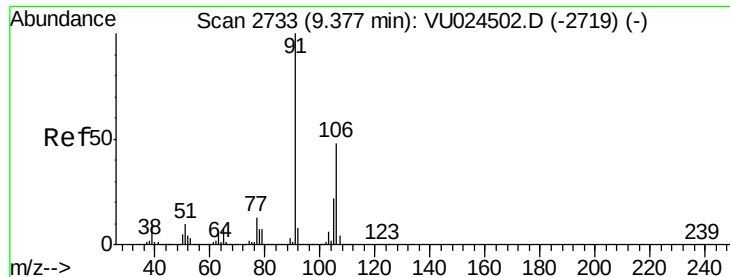
106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

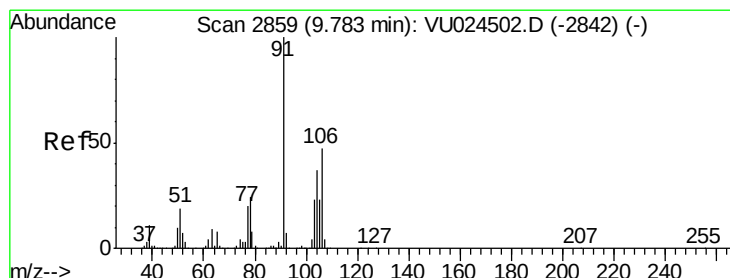
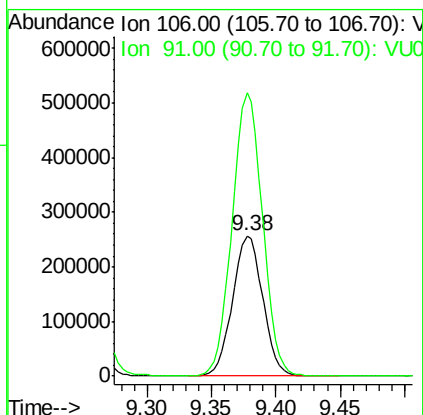
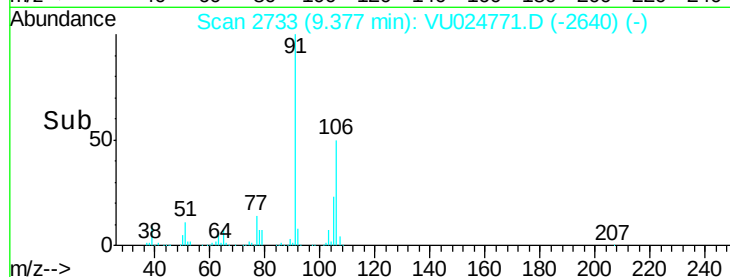
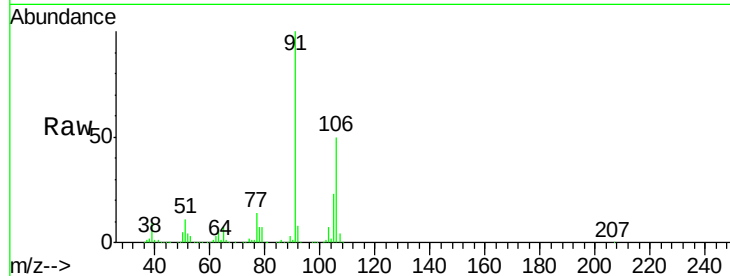




#68
m/p-Xylenes
Concen: 92.012 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

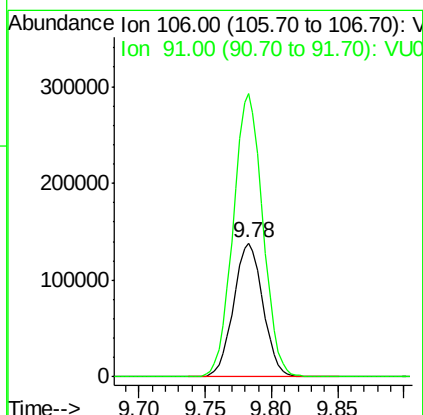
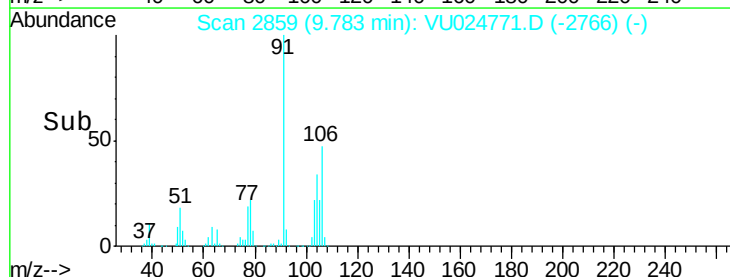
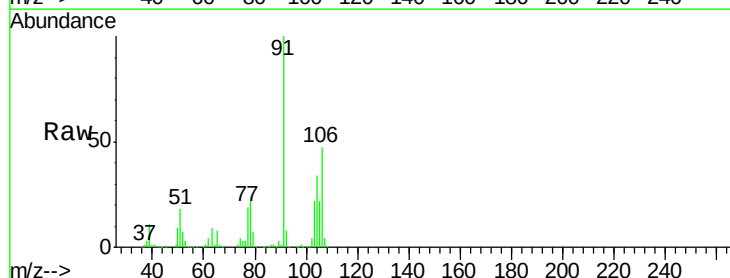
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

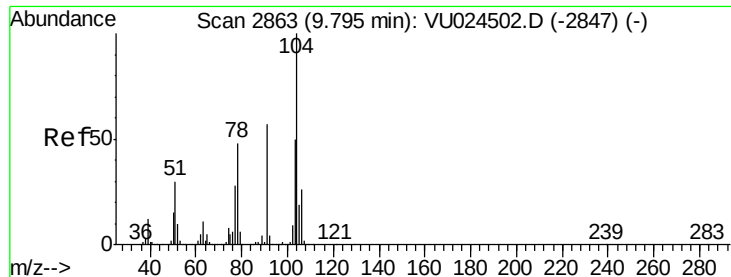
Tgt Ion:106 Resp: 417015
Ion Ratio Lower Upper
106 100
91 204.2 166.5 249.7



#69
o-Xylene
Concen: 47.551 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion:106 Resp: 213284
Ion Ratio Lower Upper
106 100
91 212.9 110.7 331.9

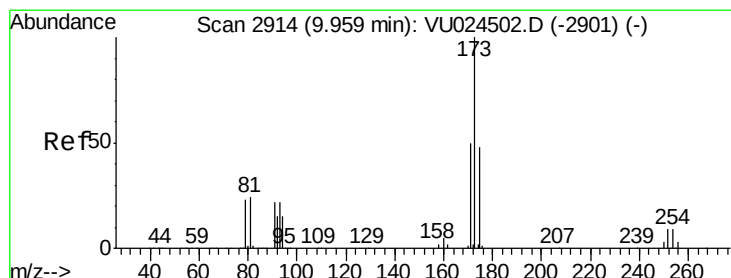
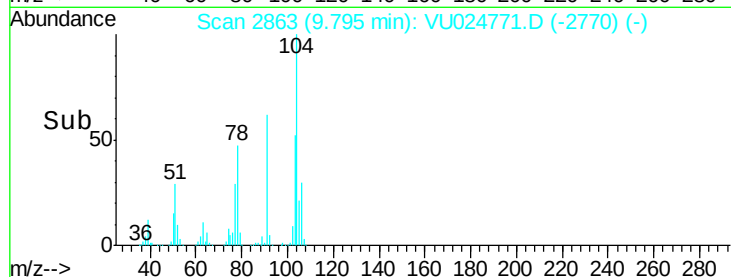
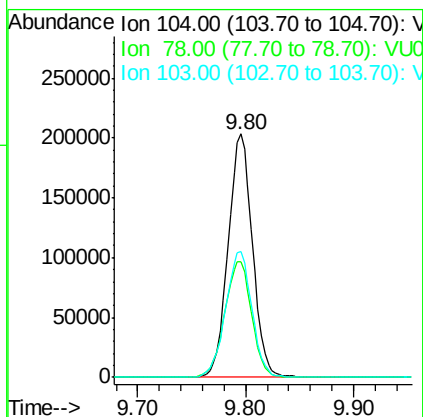
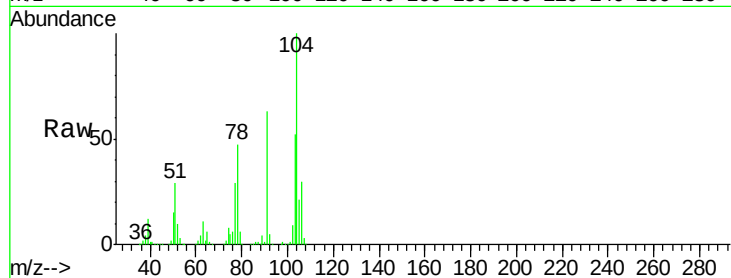




#70
Styrene
Concen: 43.345 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

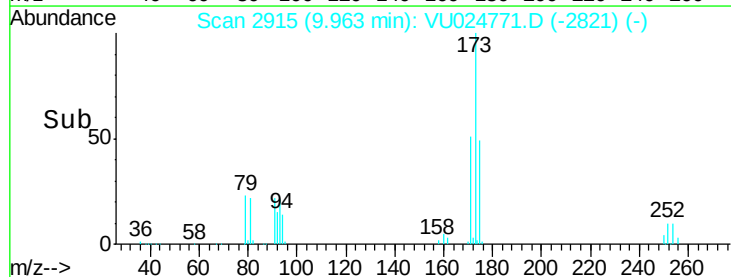
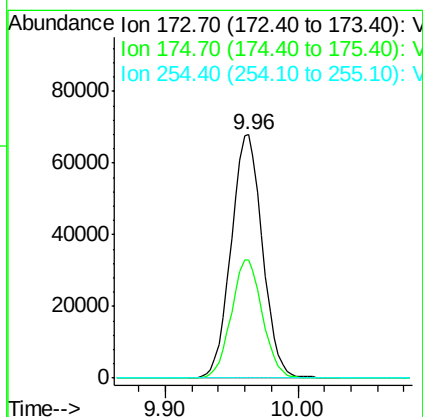
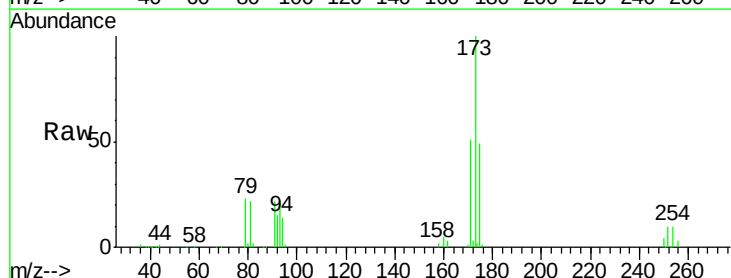
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

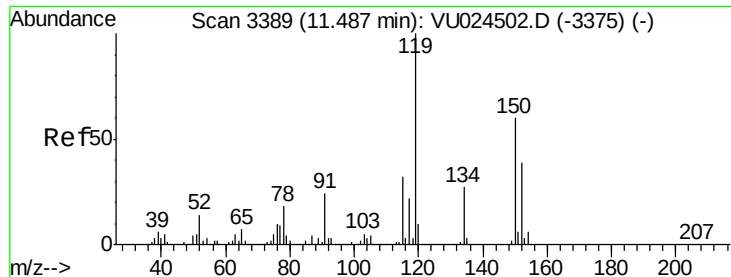
Tgt Ion:104 Resp: 319491
Ion Ratio Lower Upper
104 100
78 52.5 40.6 60.8
103 55.8 44.7 67.1



#71
Bromoform
Concen: 45.779 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion:173 Resp: 111298
Ion Ratio Lower Upper
173 100
175 48.3 24.6 74.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

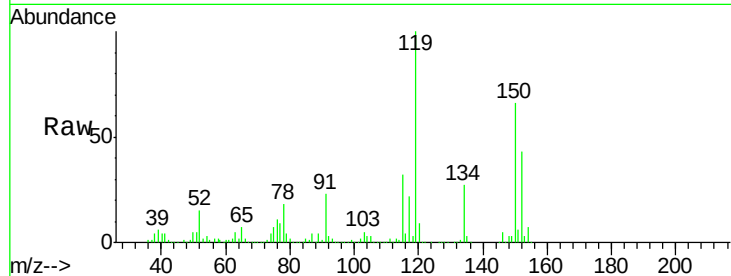
Tgt Ion:152 Resp: 155655

Ion Ratio Lower Upper

152 100

115 83.4 43.0 129.0

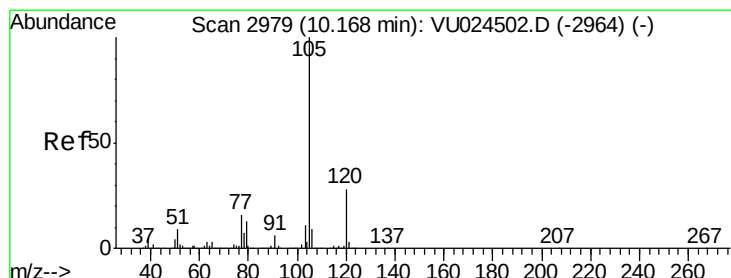
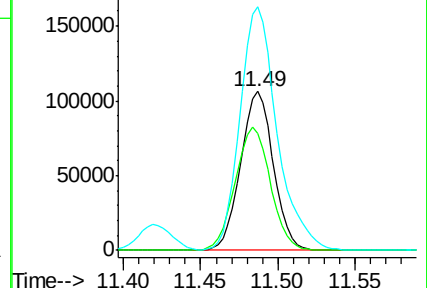
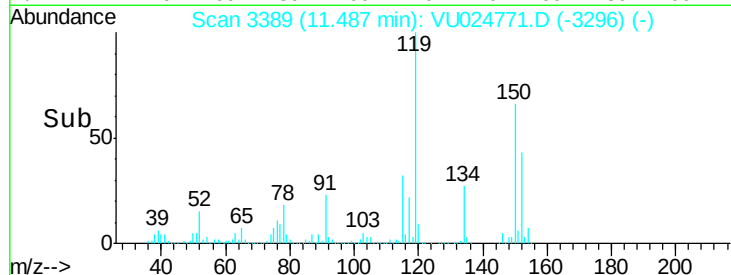
150 174.2 0.0 354.0



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: 46.356 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024771.D

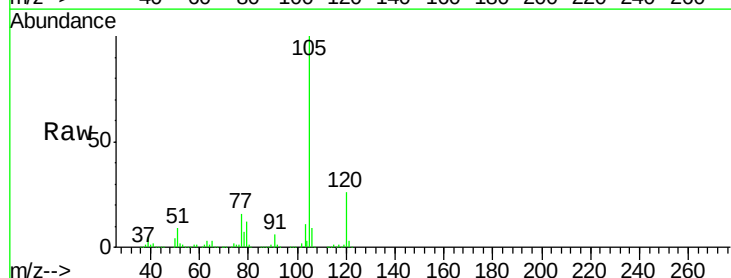
Acq: 20 Jun 2018 20:46

Tgt Ion:105 Resp: 553974

Ion Ratio Lower Upper

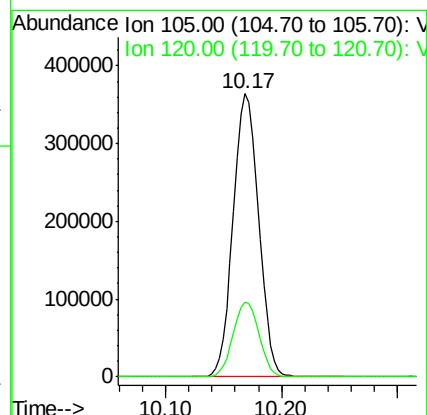
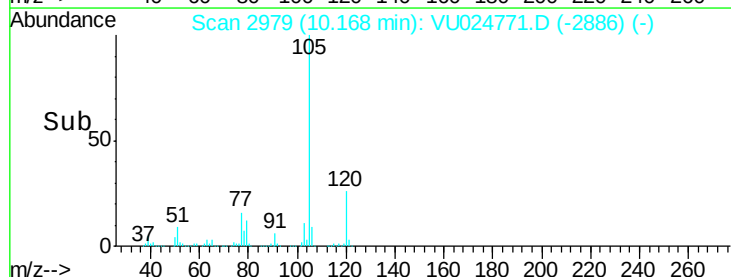
105 100

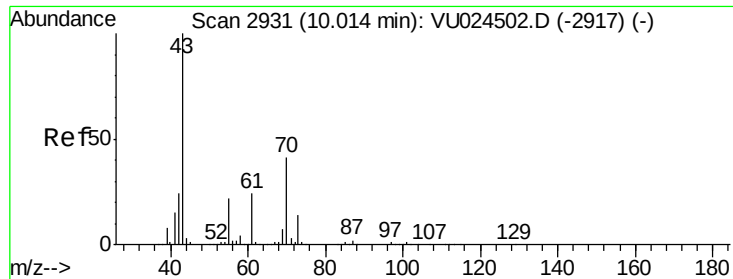
120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 51.127 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tgt Ion: 43 Resp: 290622

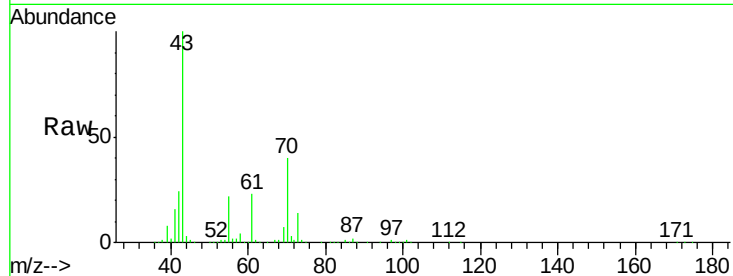
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.4

55 22.5 20.5 30.7

61 23.5 18.7 28.1

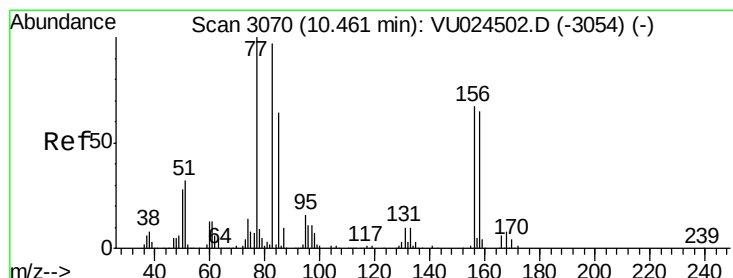
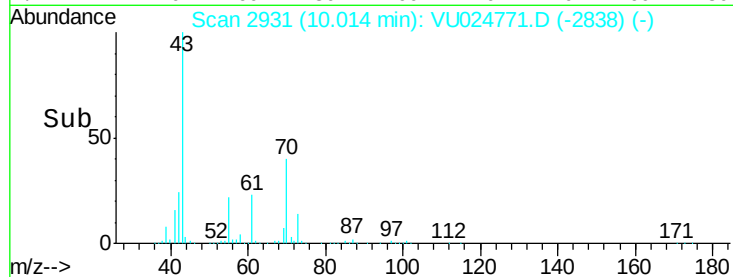
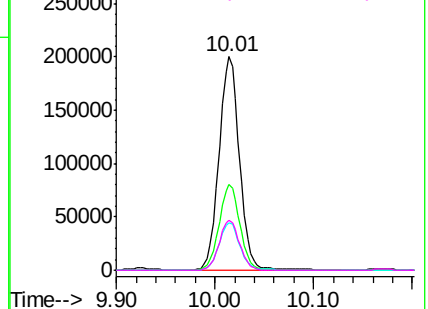


Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2917) (-)

Ion 70.00 (69.70 to 70.70): VU024502.D (-2917) (-)

Ion 55.00 (54.70 to 55.70): VU024502.D (-2917) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-2917) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 51.367 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

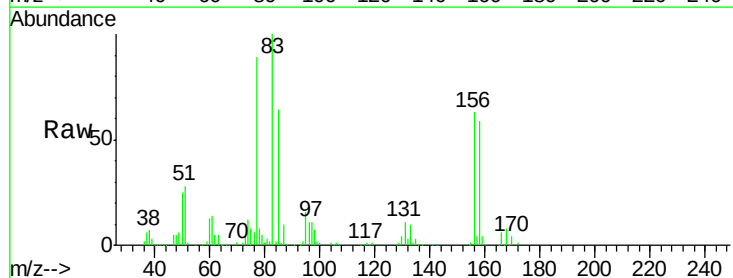
Tgt Ion: 83 Resp: 205707

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

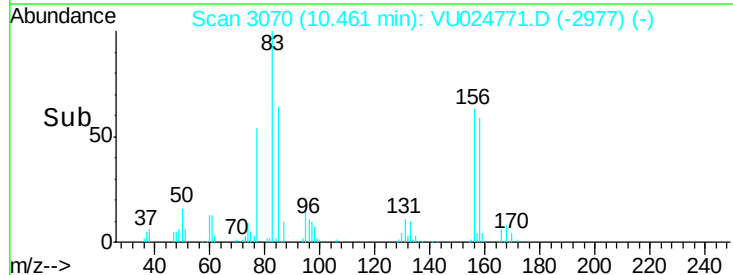
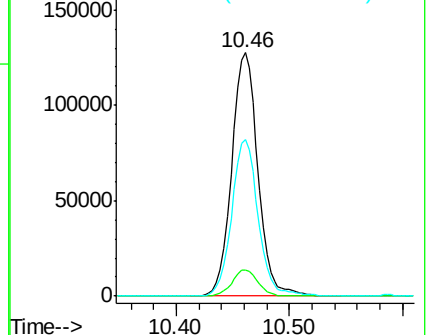
85 64.9 32.5 97.5

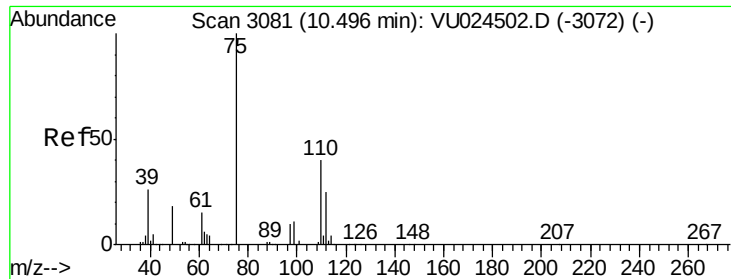


Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-3054) (-)

Ion 130.80 (130.50 to 131.50): VU024502.D (-3054) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-3054) (-)

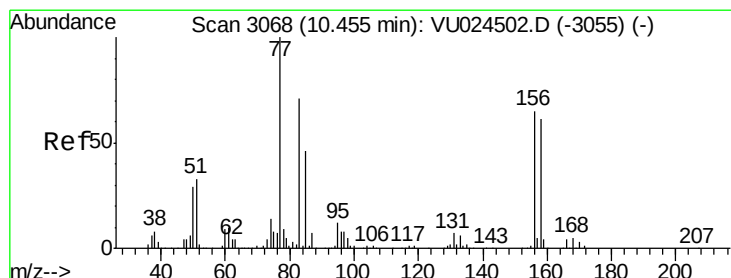
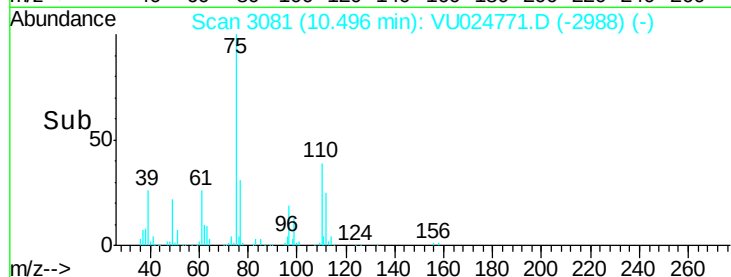
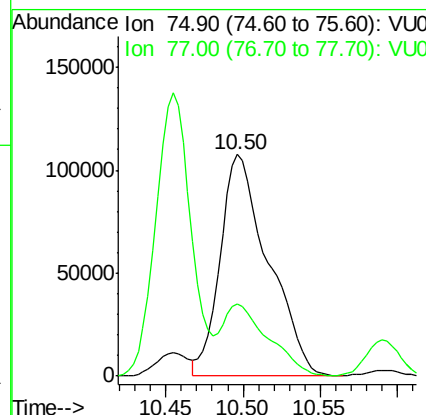
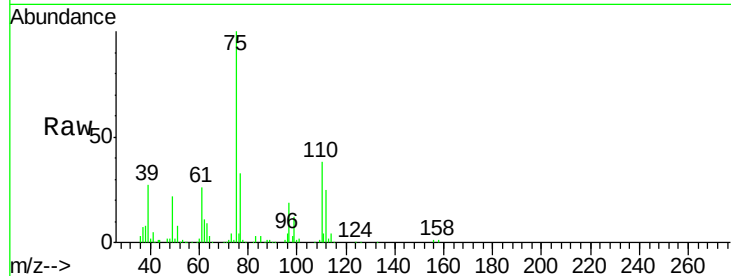




#76
 1,2,3-Trichloropropane
 Concen: 67.842 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

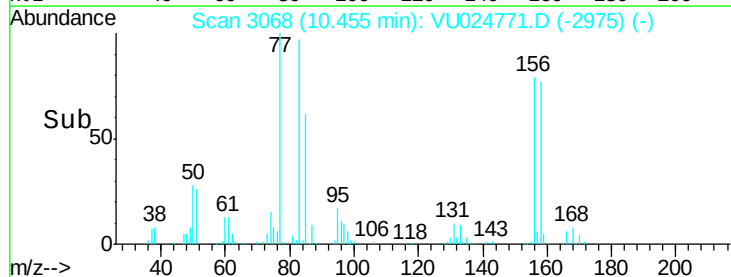
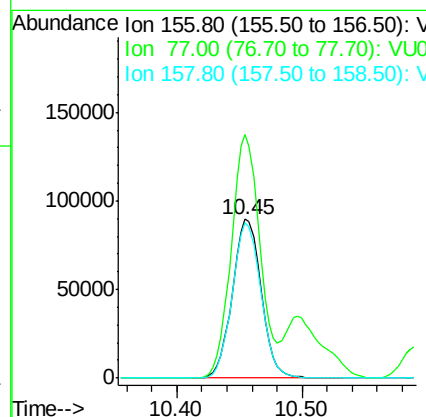
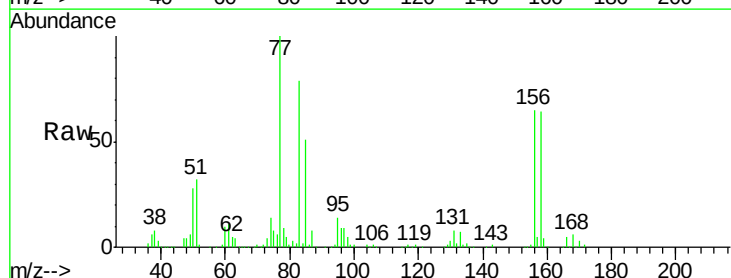
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

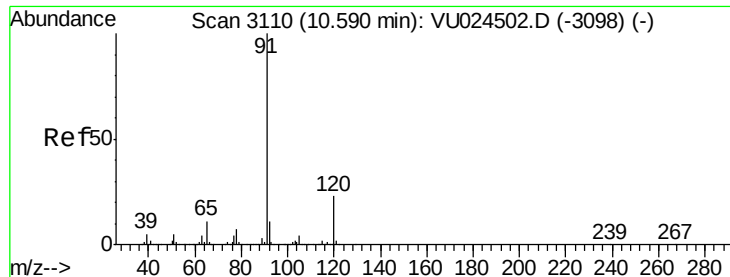
Tgt Ion: 75 Resp: 232492
 Ion Ratio Lower Upper
 75 100
 77 31.5 20.9 62.7



#77
 Bromobenzene
 Concen: 47.398 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 156 Resp: 143399
 Ion Ratio Lower Upper
 156 100
 77 152.1 80.5 241.3
 158 97.1 48.2 144.6





#78

n-propylbenzene

Concen: 44.477 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

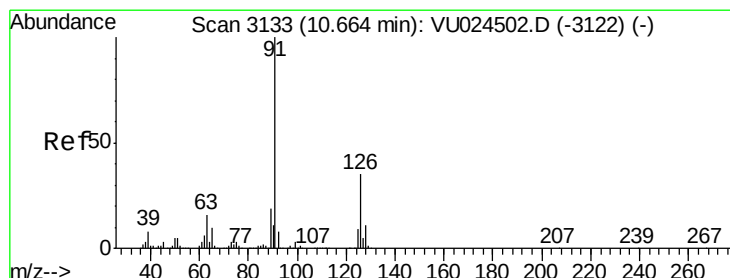
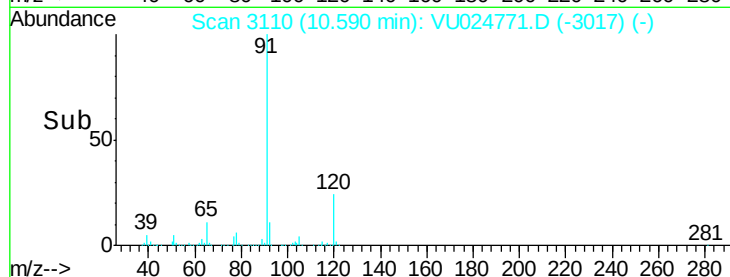
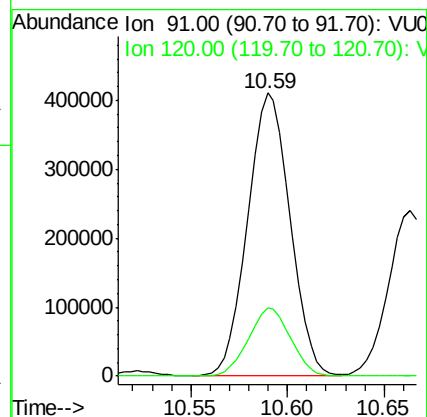
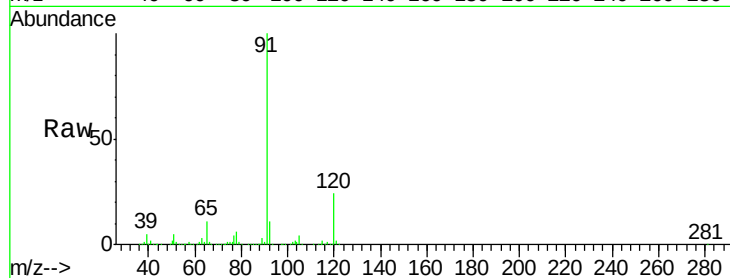
TPTW-04MS

Tgt Ion: 91 Resp: 626132

Ion Ratio Lower Upper

91 100

120 24.0 11.2 33.5



#79

2-Chlorotoluene

Concen: 45.223 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024771.D

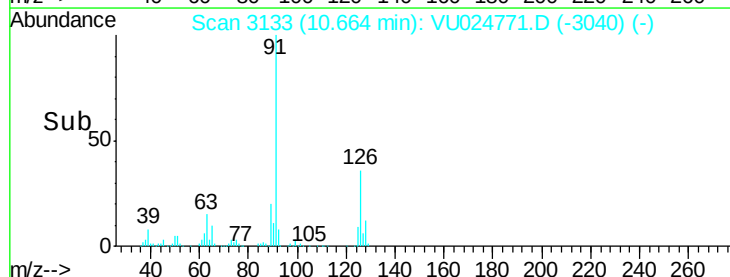
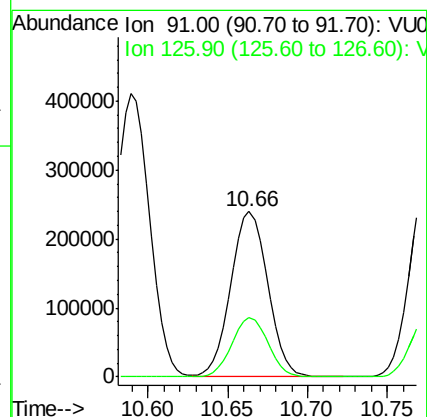
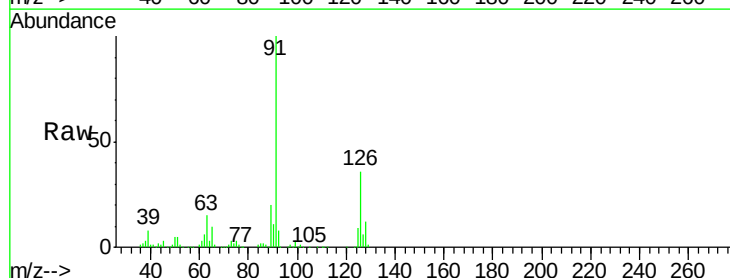
Acq: 20 Jun 2018 20:46

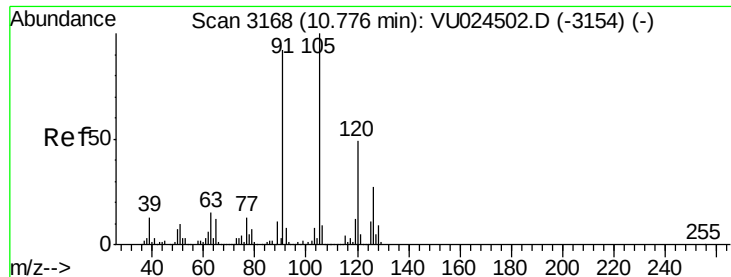
Tgt Ion: 91 Resp: 375436

Ion Ratio Lower Upper

91 100

126 35.5 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 46.258 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

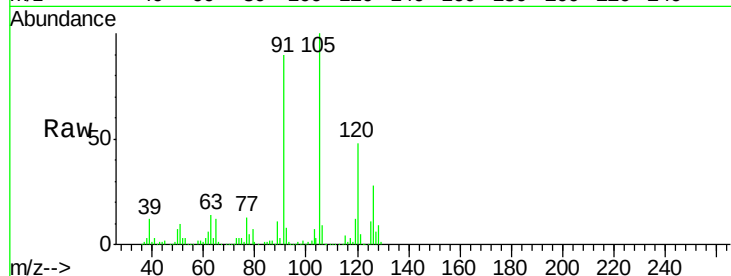
TPTW-04MS

Tgt Ion:105 Resp: 479140

Ion Ratio Lower Upper

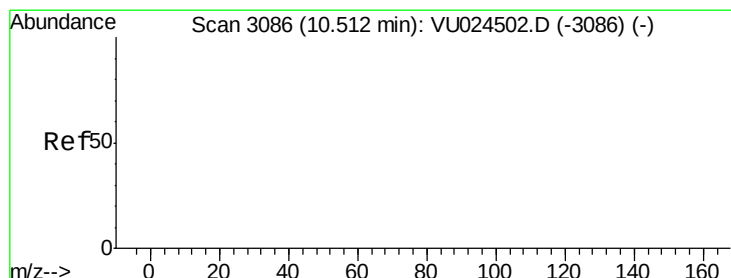
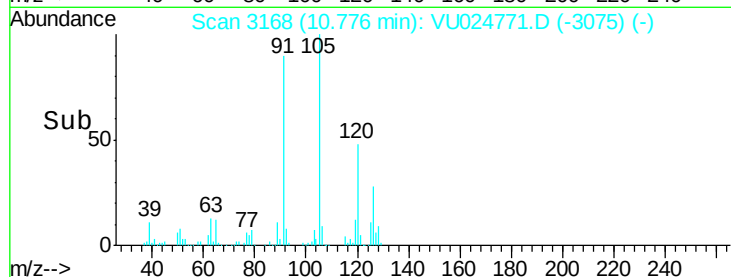
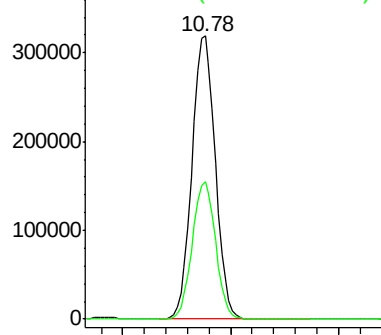
105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 157.015 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

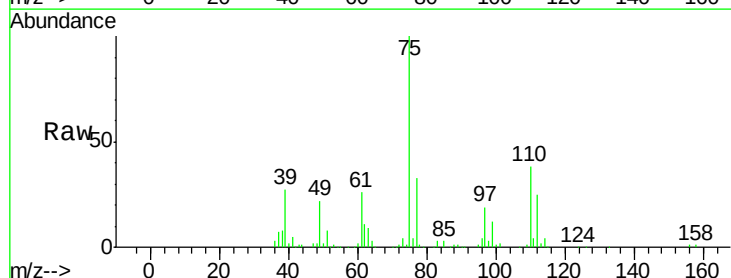
Tgt Ion: 75 Resp: 232492

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

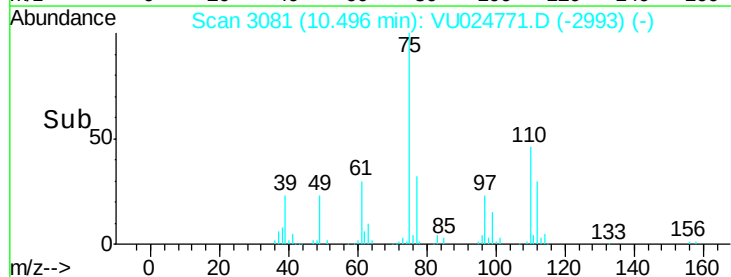
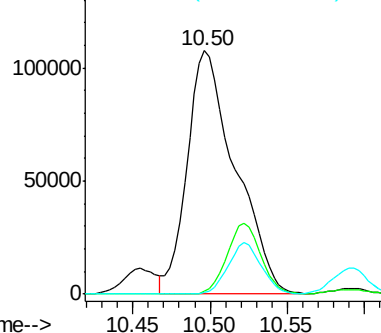
89 0.0 0.0 0.0

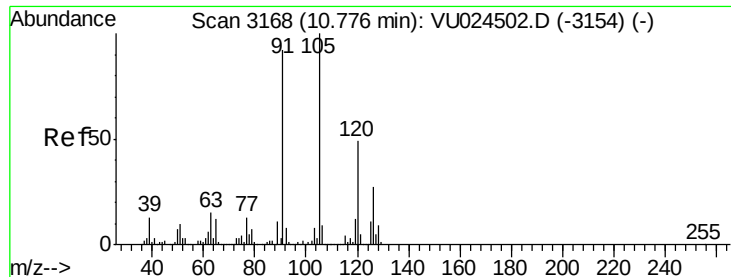


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 45.503 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

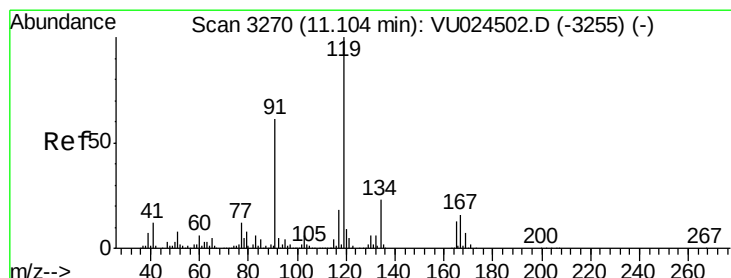
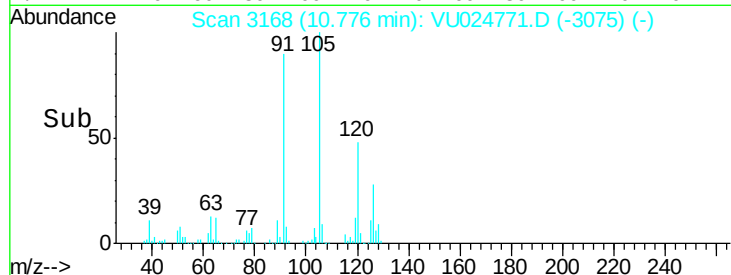
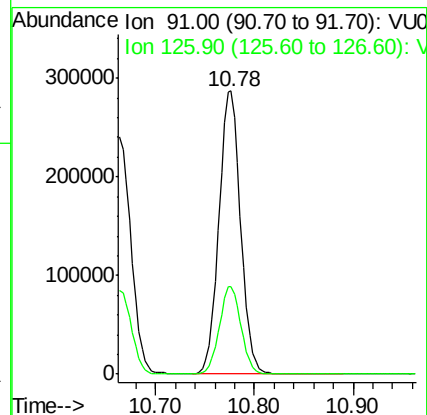
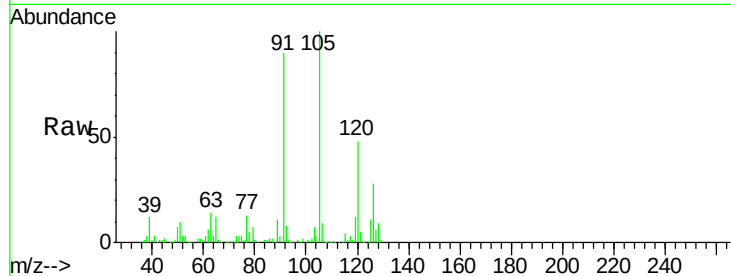
TPTW-04MS

Tgt Ion: 91 Resp: 439671

Ion Ratio Lower Upper

91 100

126 31.0 14.9 44.9



#83

tert-Butylbenzene

Concen: 47.811 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

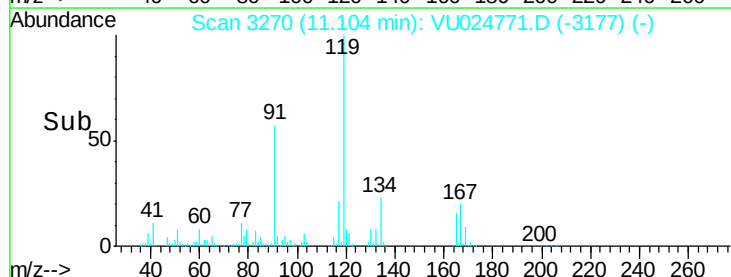
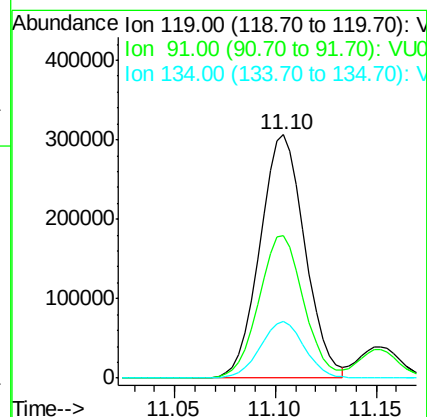
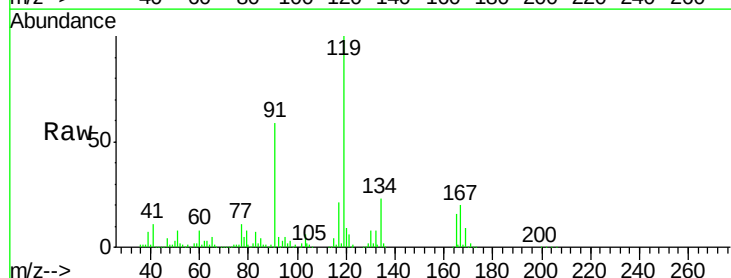
Tgt Ion: 119 Resp: 476373

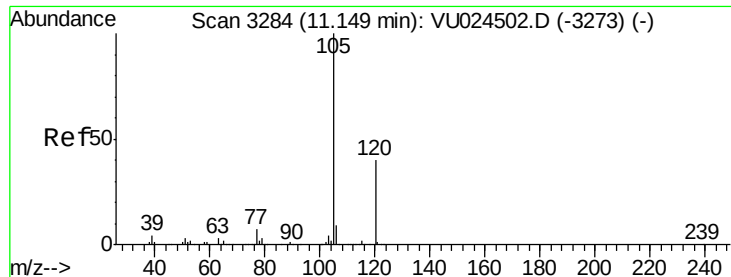
Ion Ratio Lower Upper

119 100

91 58.4 29.7 89.1

134 23.0 11.6 34.7

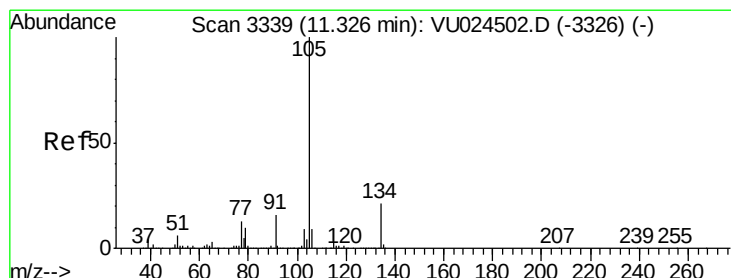
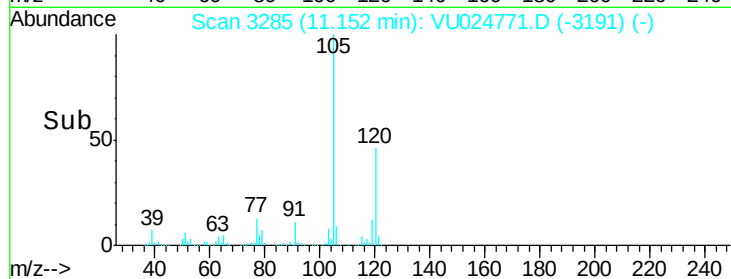
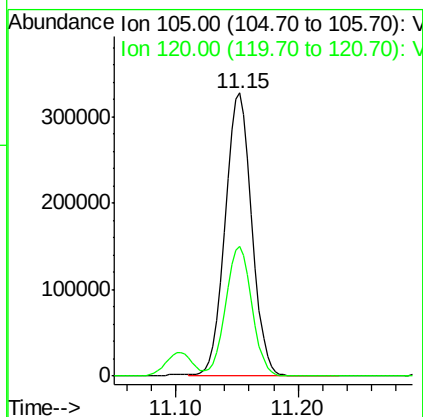
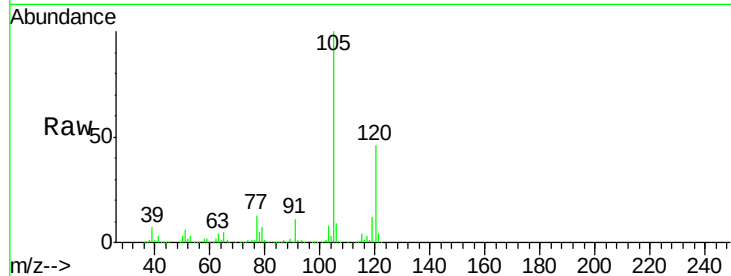




#84
 1,2,4-Trimethylbenzene
 Concen: 47.555 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

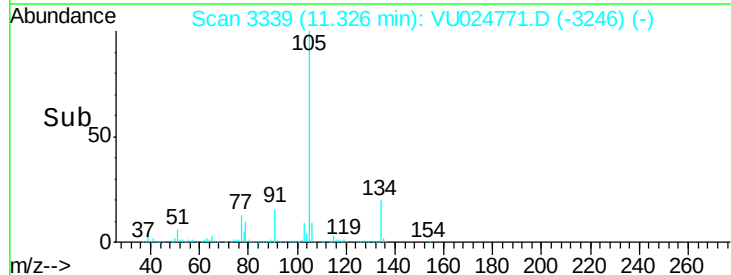
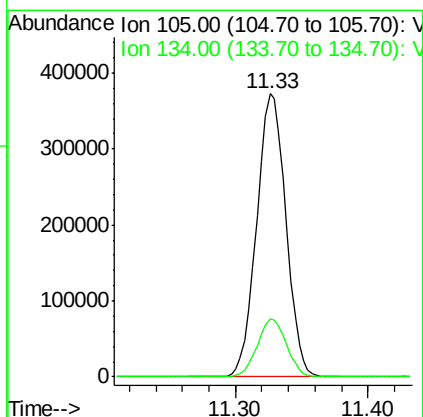
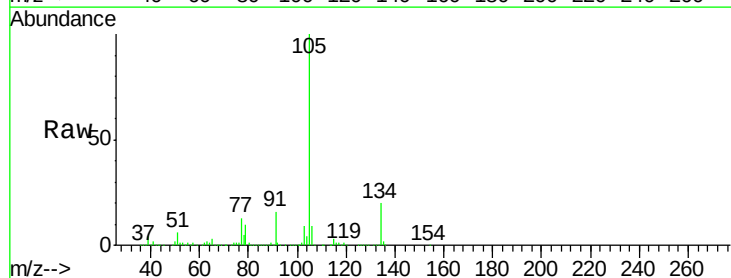
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

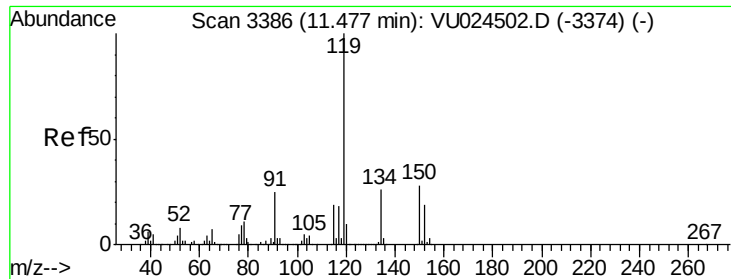
Tgt Ion:105 Resp: 501984
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 45.707 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion:105 Resp: 570059
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1

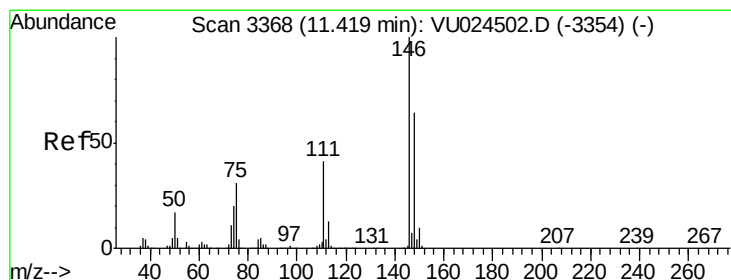
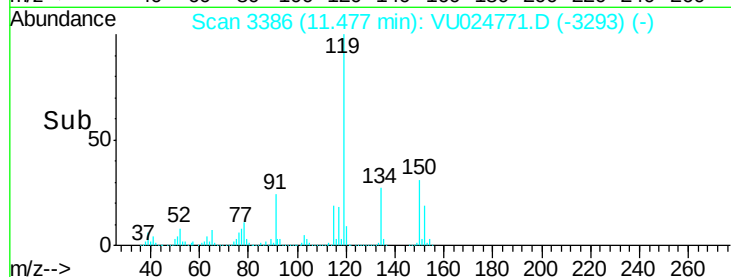
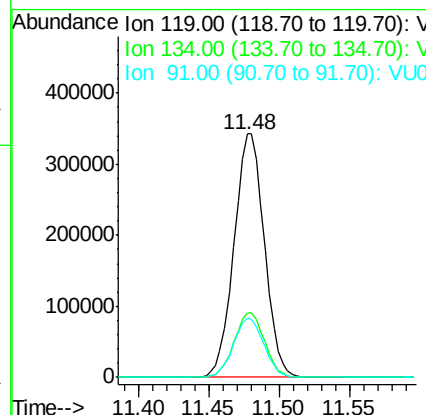
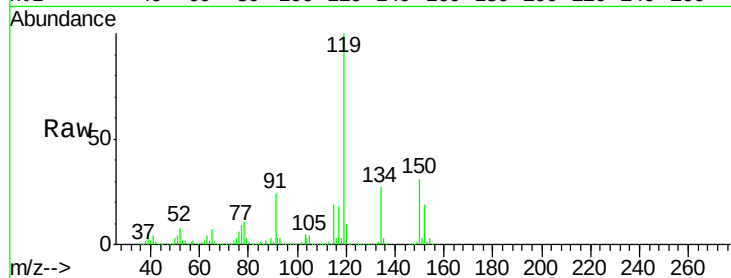




#86
 p-Isopropyltoluene
 Concen: 46.104 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

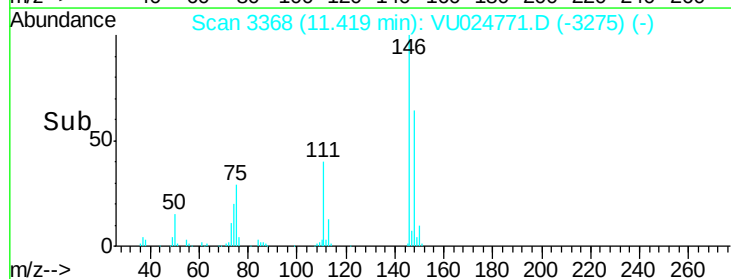
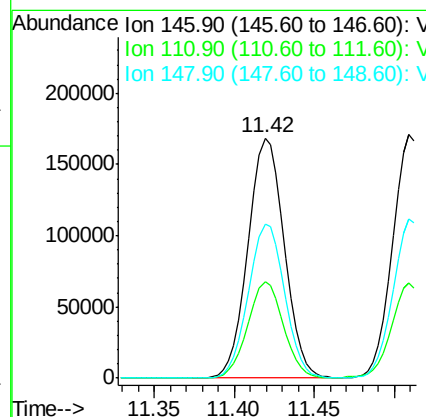
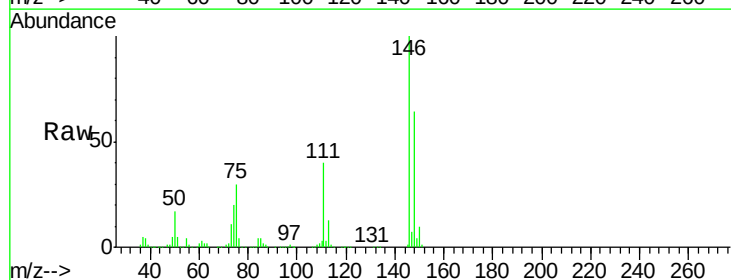
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

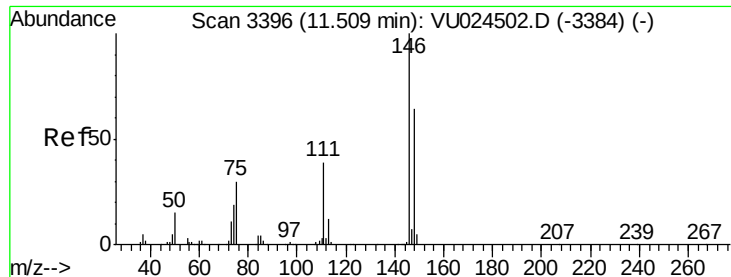
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.6
91	24.4	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 46.454 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.2	32.1	96.5

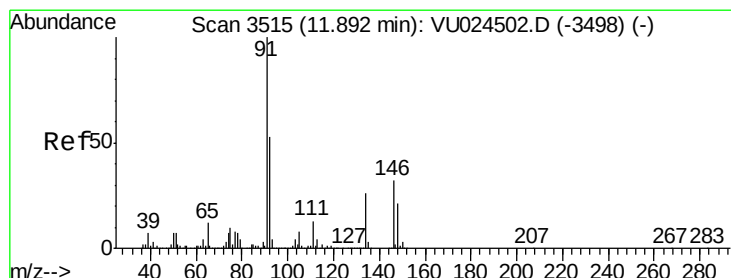
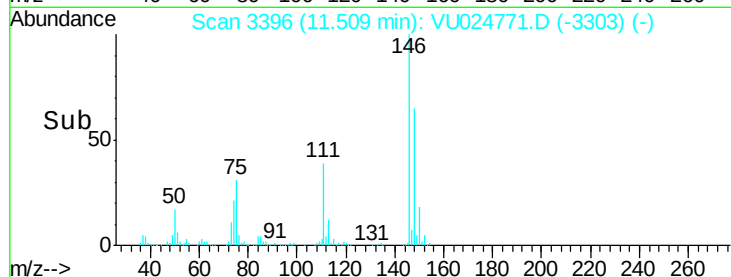
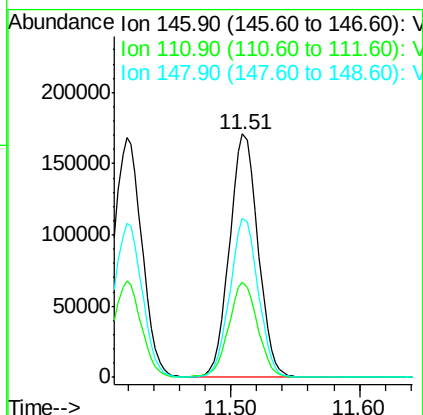
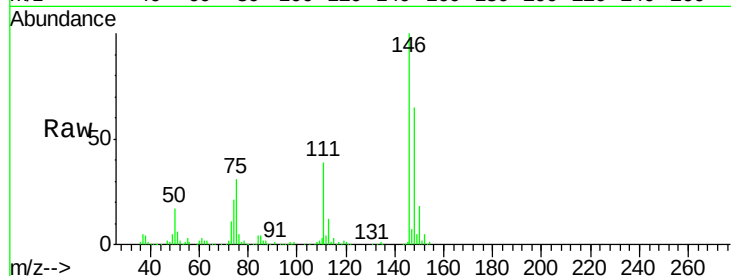




#88
 1,4-Dichlorobenzene
 Concen: 46.534 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

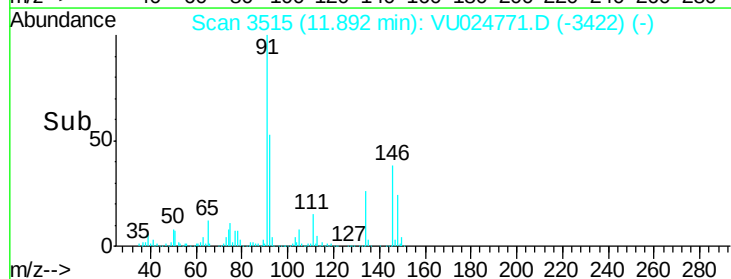
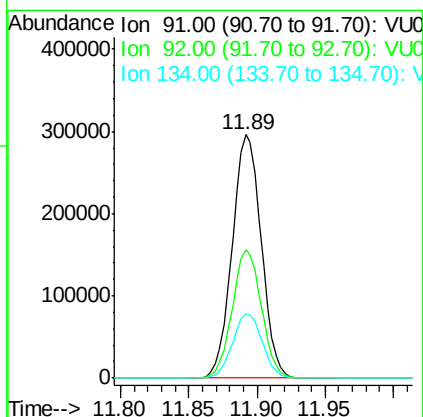
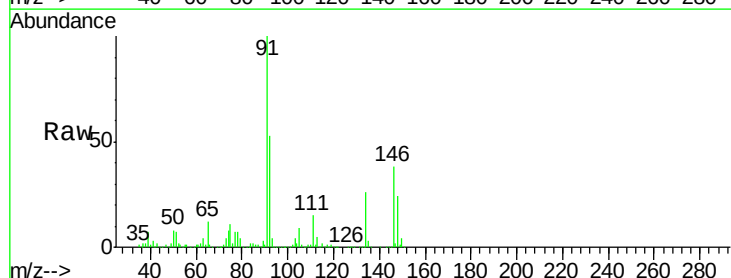
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

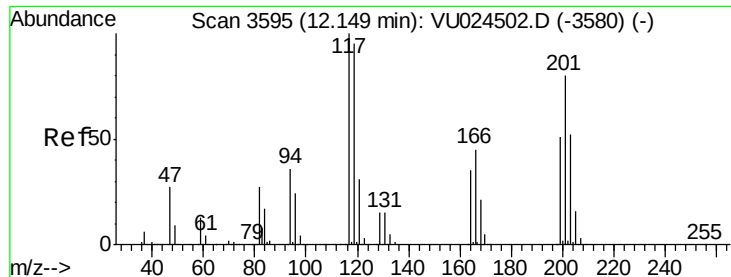
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	64.8	32.4	97.0



#89
 n-Butylbenzene
 Concen: 44.121 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.6	76.8
134	27.1	12.3	36.8





#90

Hexachloroethane

Concen: 42.730 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

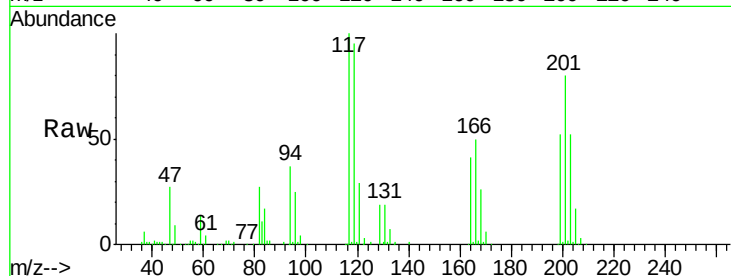
TPTW-04MS

Tgt Ion:117 Resp: 93109

Ion Ratio Lower Upper

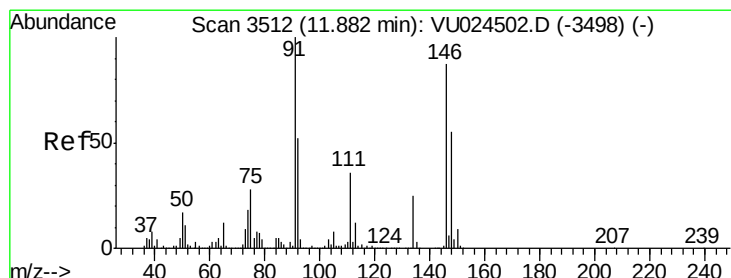
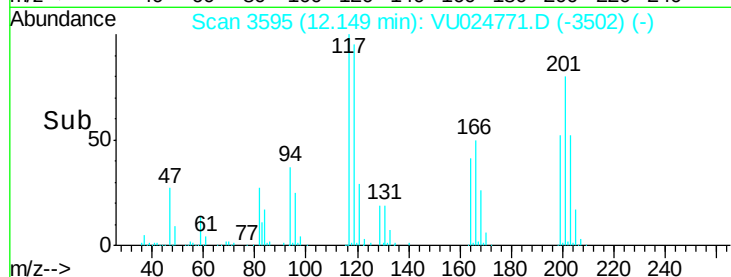
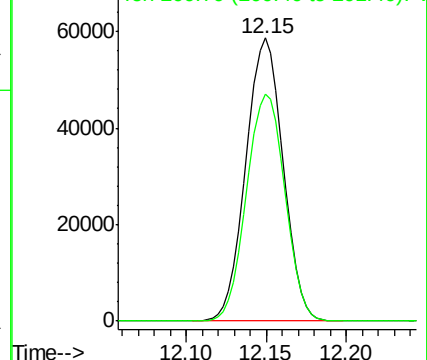
117 100

201 82.9 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 47.623 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

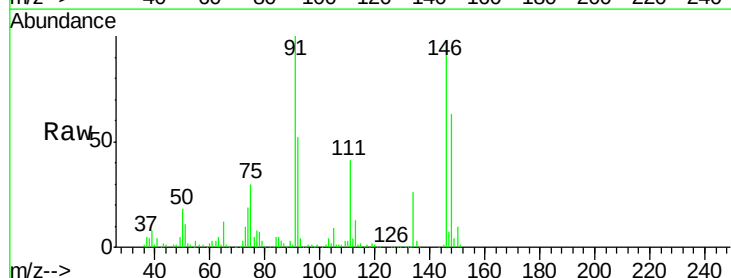
Tgt Ion:146 Resp: 266623

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.6

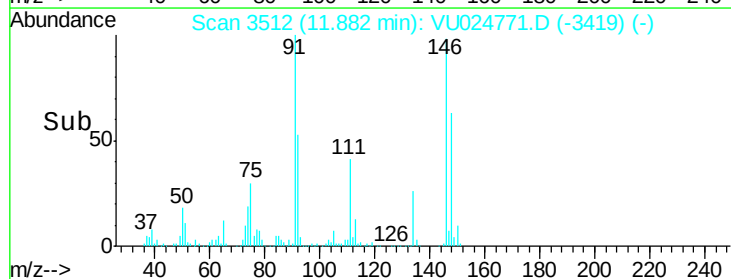
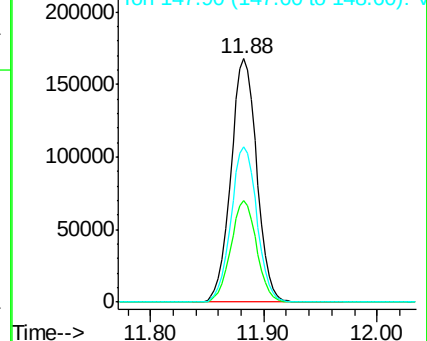
148 64.0 31.9 95.7

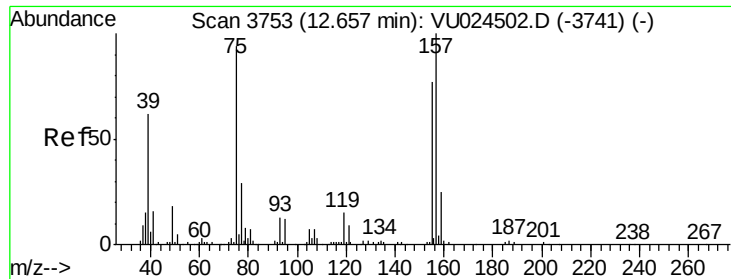


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.861 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

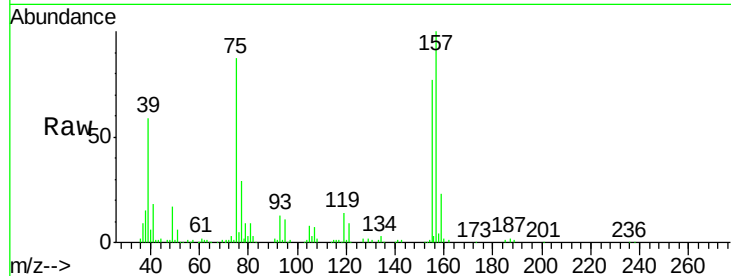
Tgt Ion: 75 Resp: 58412

Ion Ratio Lower Upper

75 100

155 88.6 40.4 121.2

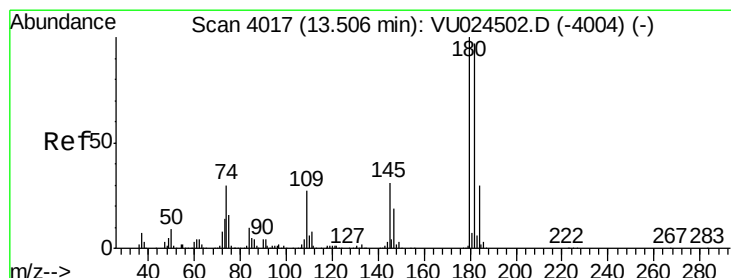
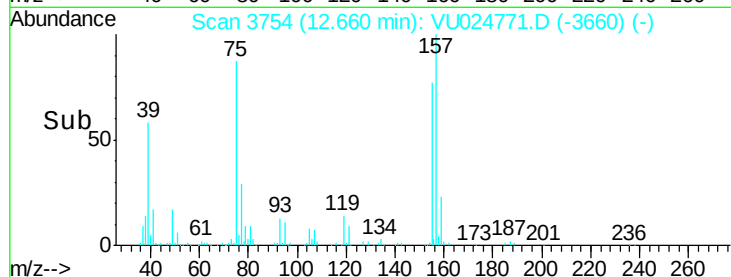
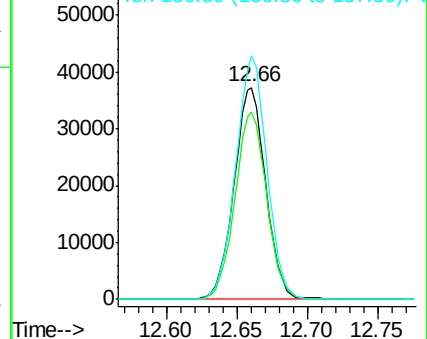
157 113.2 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)



#93

1,2,4-Trichlorobenzene

Concen: 51.645 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

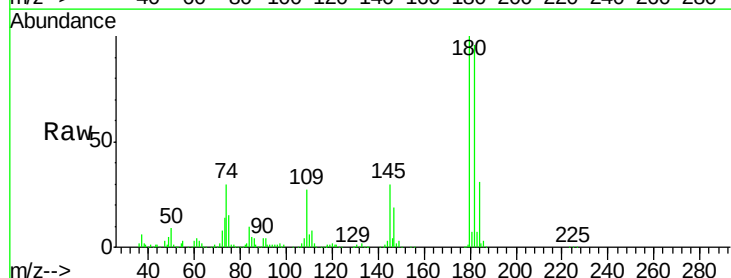
Tgt Ion: 180 Resp: 178550

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

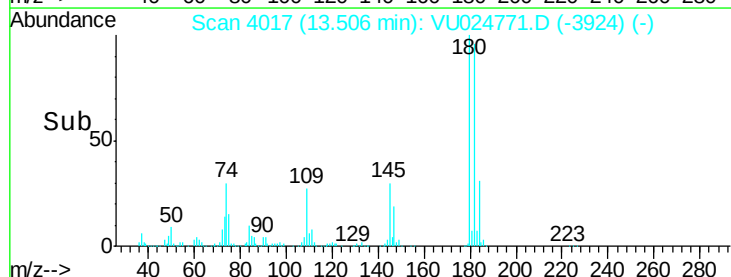
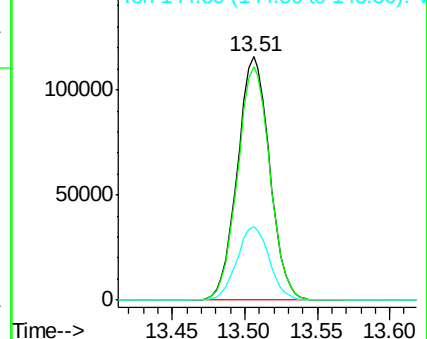
145 30.3 14.7 44.1

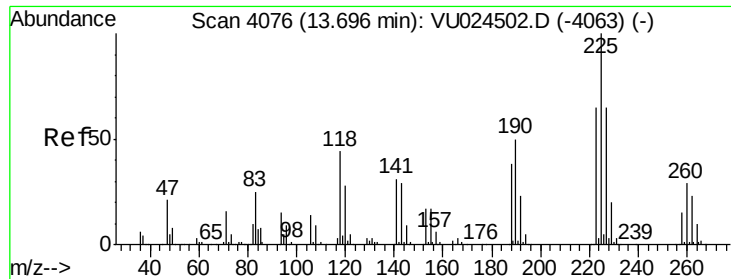


Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU024502.D (-4004) (-)





#94

Hexachlorobutadiene

Concen: 45.925 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

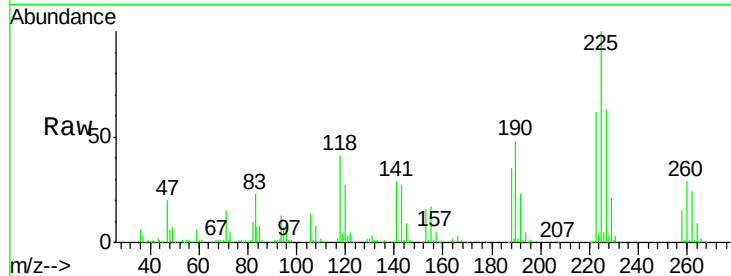
Instrument :

MSVOA_U

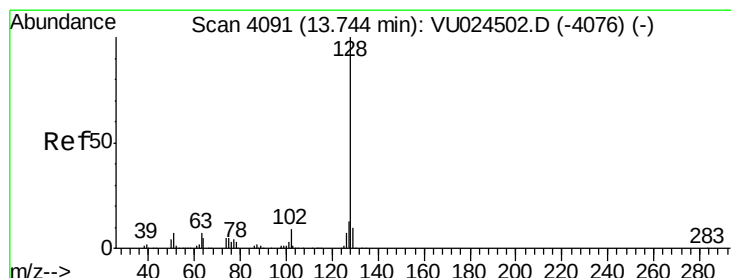
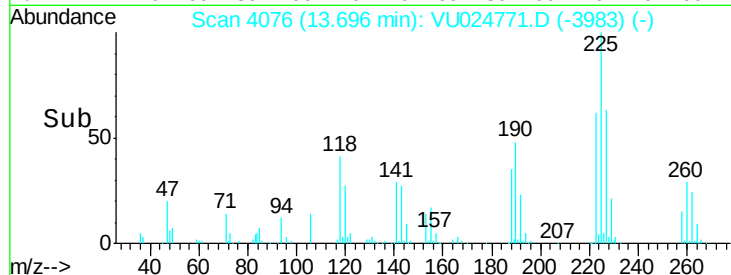
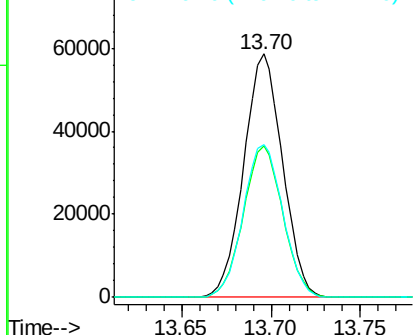
ClientSampleId :

TPTW-04MS

Tgt Ion:	225	Resp:	89367
Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	64.0	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 59.107 ug/l

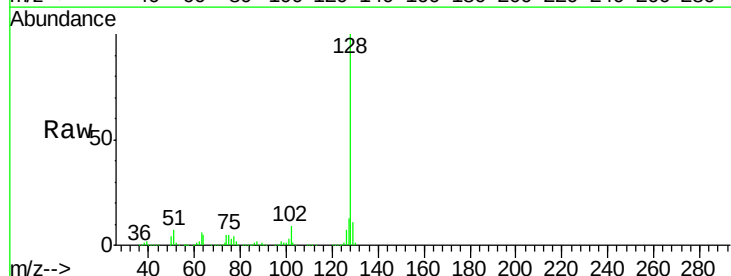
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

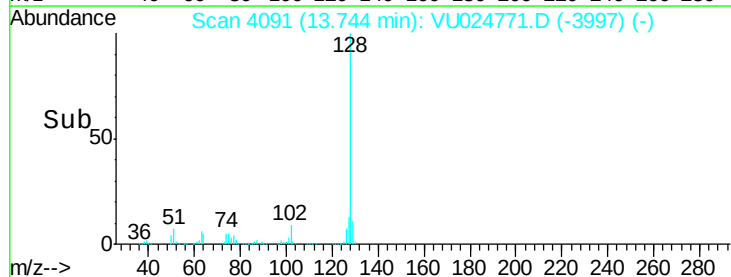
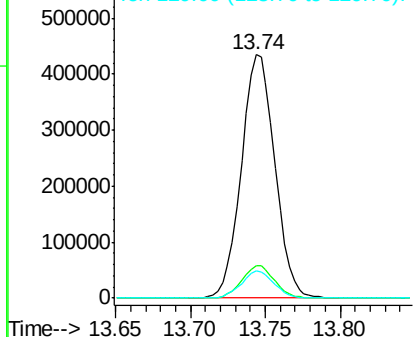
Lab File: VU024771.D

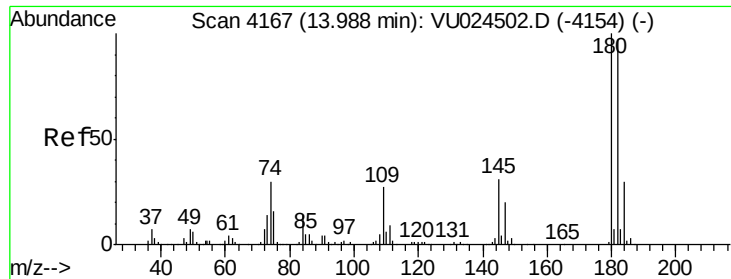
Acq: 20 Jun 2018 20:46

Tgt Ion:	128	Resp:	677931
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

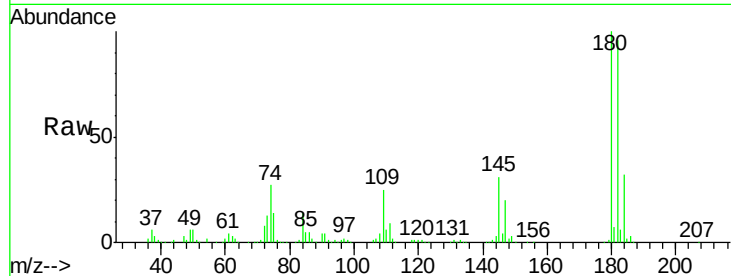




#96
 1,2,3-Trichlorobenzene
 Concen: 54.815 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.5	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

