

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025261.D
 Acq On : 06 Jul 2018 23:45
 Operator : MD/SY
 Sample : J3842-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Quant Time: Jul 07 01:00:36 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	155688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242814	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135990	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	4.89	113	109084	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
50) Toluene-d8	7.57	98	359142	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.31	95	146153	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78579	40.323	ug/l	99
3) Chloromethane	1.33	50	87260	43.829	ug/l	97
4) Vinyl Chloride	1.40	62	102936	50.135	ug/l	99
5) Bromomethane	1.61	94	58622	59.062	ug/l	98
6) Chloroethane	1.69	64	63219	55.212	ug/l	98
7) Trichlorofluoromethane	1.88	101	142726	45.550	ug/l	98
8) Diethyl Ether	2.10	74	59955	56.469	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	81261	41.803	ug/l	96
10) Methyl Iodide	2.41	142	112718	66.558	ug/l	97
11) Tert butyl alcohol	2.83	59	155372	251.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	82474	46.523	ug/l	95
13) Acrolein	2.19	56	82293	253.516	ug/l	100
14) Allyl chloride	2.59	41	146179	44.411	ug/l	99
15) Acrylonitrile	2.94	53	311672	259.148	ug/l	99
16) Acetone	2.32	43	293410	214.855	ug/l	97
17) Carbon Disulfide	2.48	76	219318	38.637	ug/l	98
18) Methyl Acetate	2.62	43	141596	48.366	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	351600	52.764	ug/l	96
20) Methylene Chloride	2.70	84	103294	48.206	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	93456	47.865	ug/l	98
22) Diisopropyl ether	3.57	45	334826	51.315	ug/l	97
23) Vinyl Acetate	3.53	43	1397458	239.088	ug/l	99
24) 1,1-Dichloroethane	3.45	63	189532	50.494	ug/l	98
25) 2-Butanone	4.26	43	460267	250.917	ug/l	94
26) 2,2-Dichloropropane	4.23	77	138137	38.757	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	135696	60.452	ug/l	95
28) Bromochloromethane	4.55	49	102853	62.210	ug/l	85
29) Tetrahydrofuran	4.64	42	291634	256.732	ug/l	97
30) Chloroform	4.68	83	199562	52.527	ug/l	99
31) Cyclohexane	5.00	56	142930	42.587	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	176420	50.215	ug/l	97
36) 1,1-Dichloropropene	5.14	75	132270	46.358	ug/l	97
37) Ethyl Acetate	4.38	43	160791	51.704	ug/l	98
38) Carbon Tetrachloride	5.14	117	152174	48.500	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	144415	40.559	ug/l	94
40) Benzene	5.39	78	454723	55.930	ug/l	99
41) Methacrylonitrile	4.54	41	94630	56.438	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172479	55.701	ug/l	100
43) Isopropyl Acetate	5.55	43	258414	48.073	ug/l	99
44) Trichloroethene	6.19	130	120285	51.985	ug/l	95
45) 1,2-Dichloropropane	6.44	63	111158	51.241	ug/l	99
46) Dibromomethane	6.56	93	80289	52.691	ug/l	94
47) Bromodichloromethane	6.76	83	151367	49.886	ug/l	99
48) Methyl methacrylate	6.63	41	135514	51.771	ug/l	98
49) 1,4-Dioxane	6.62	88	64402	1258.111	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	880278	260.656	ug/l	98
52) Toluene	7.64	92	261405	49.975	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	160003	46.956	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	166711	45.915	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	109511	51.505	ug/l	99
56) Ethyl methacrylate	8.02	69	180055	50.595	ug/l	99
57) 1,3-Dichloropropane	8.25	76	188783	52.633	ug/l	98
59) 2-Hexanone	8.36	43	698104	253.199	ug/l	100
60) Dibromochloromethane	8.48	129	126833	47.836	ug/l	99
61) 1,2-Dibromoethane	8.59	107	121484	51.334	ug/l	97
64) Tetrachloroethene	8.23	164	97000	44.678	ug/l	97
65) Chlorobenzene	9.12	112	485511	83.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	112476	50.738	ug/l	97
67) Ethyl Benzene	9.25	91	506786	49.544	ug/l	99
68) m/p-Xylenes	9.38	106	390245	99.351	ug/l	98
69) o-Xylene	9.78	106	197955	50.923	ug/l	97
70) Styrene	9.80	104	323365	50.619	ug/l	99
71) Bromoform	9.96	173	97453	46.251	ug/l #	100
73) Isopropylbenzene	10.17	105	519332	49.318	ug/l	99
74) N-amyl acetate	10.01	43	227090	45.339	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	190764	54.060	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	215391	71.329	ug/l	85
77) Bromobenzene	10.45	156	138974	52.130	ug/l	94
78) n-propylbenzene	10.59	91	586208	47.257	ug/l	97
79) 2-Chlorotoluene	10.66	91	358742	49.041	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	447749	49.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	215391	165.084	ug/l #	100
82) 4-Chlorotoluene	10.78	91	407780	47.894	ug/l	98
83) tert-Butylbenzene	11.10	119	463651	52.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	459954	49.450	ug/l	100
85) sec-Butylbenzene	11.33	105	551705	50.202	ug/l	92
86) p-Isopropyltoluene	11.48	119	469983	47.750	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	255516	51.879	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	261767	52.804	ug/l	99
89) n-Butylbenzene	11.89	91	377228	43.169	ug/l	98
90) Hexachloroethane	12.15	117	78889	41.087	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	321137	65.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49521	50.859	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	164521	54.005	ug/l	99

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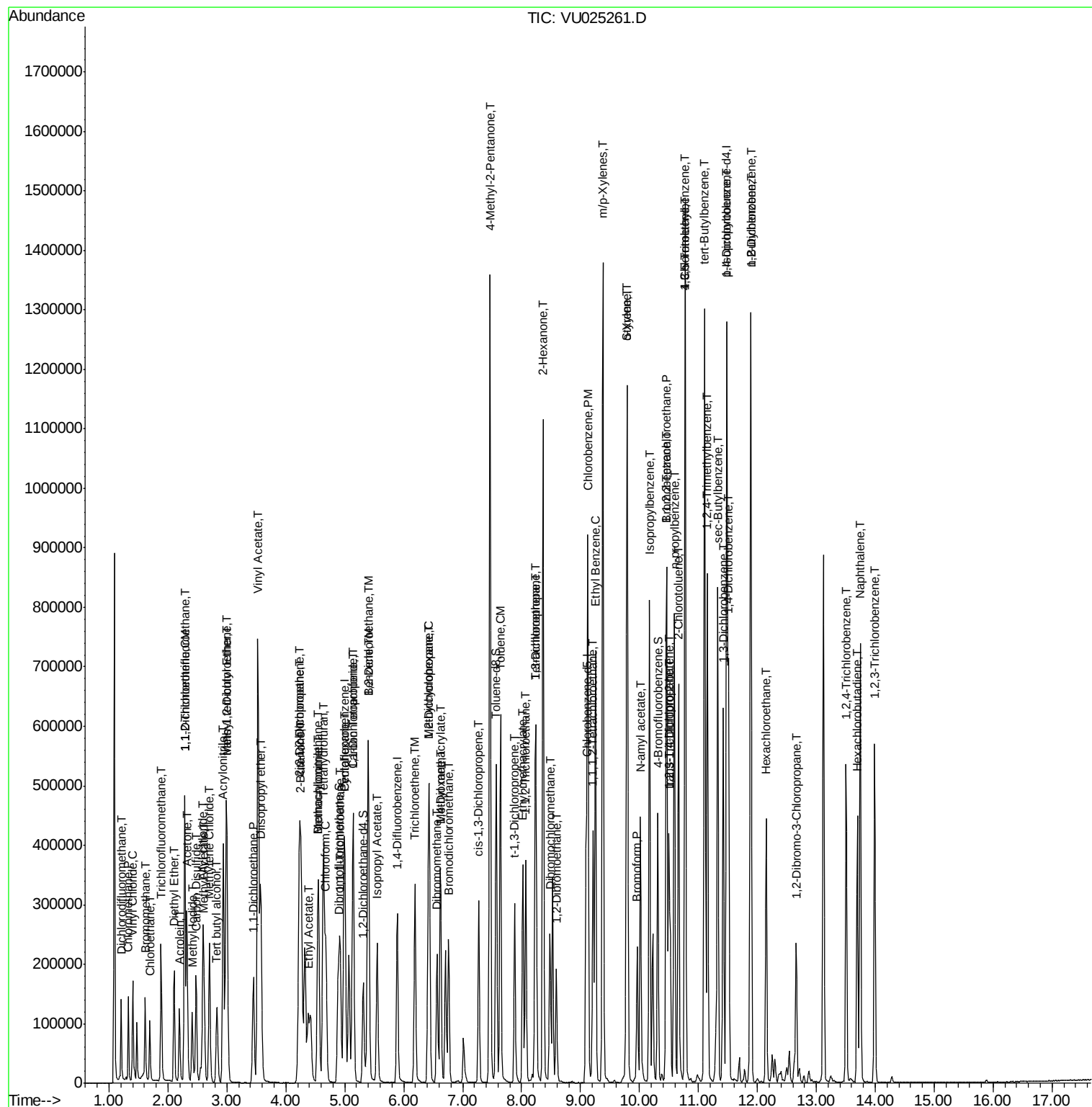
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	84148	49.075	ug/l	100
95) Naphthalene	13.74	128	577922	57.205	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	178588	58.832	ug/l	99

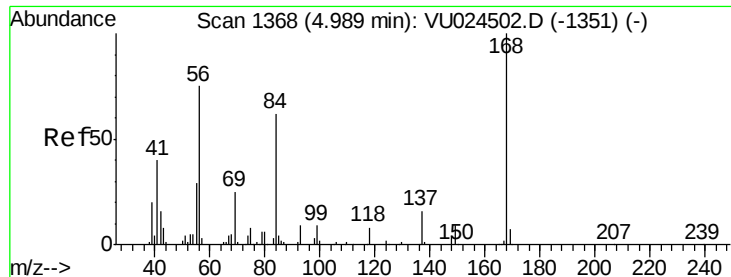
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

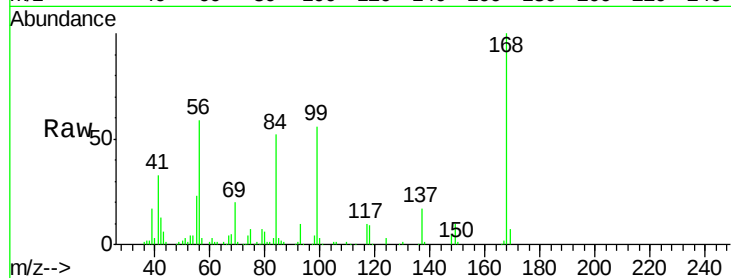
WP021MW470-180628MSD

Tot Ion:168 Resp: 155688

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

60000

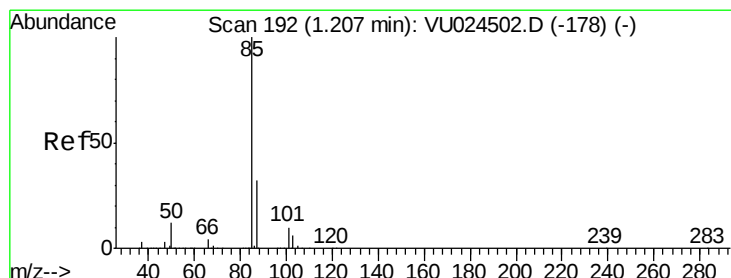
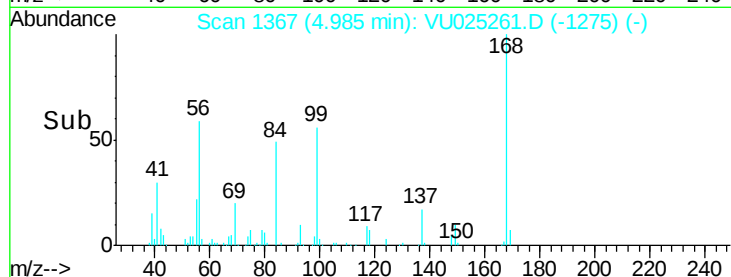
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.323 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025261.D

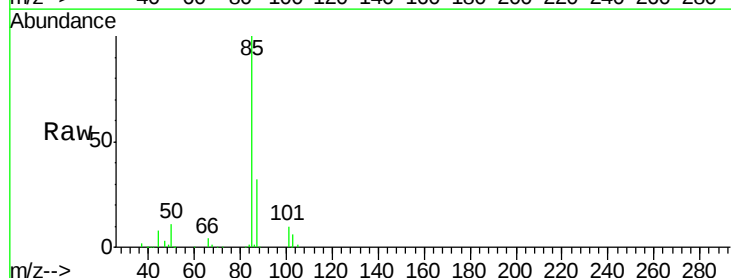
Acq: 06 Jul 2018 23:45

Tgt Ion: 85 Resp: 78579

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

1.20

80000

60000

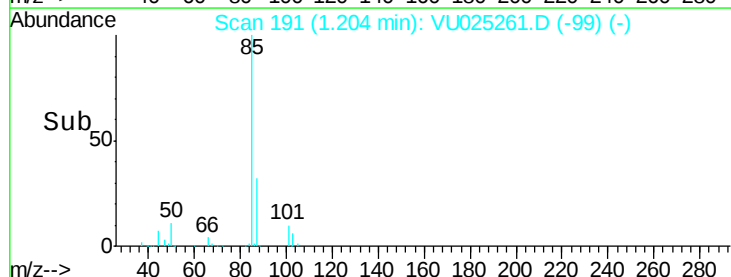
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.829 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

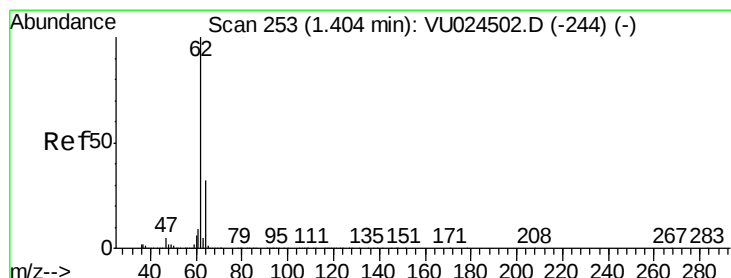
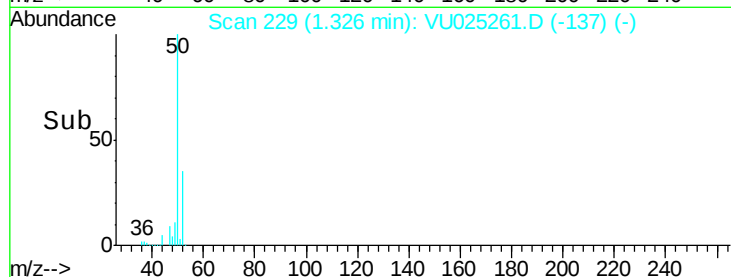
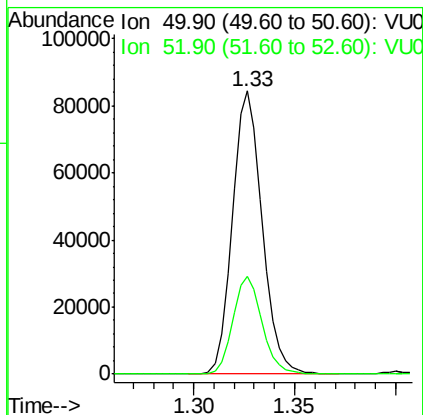
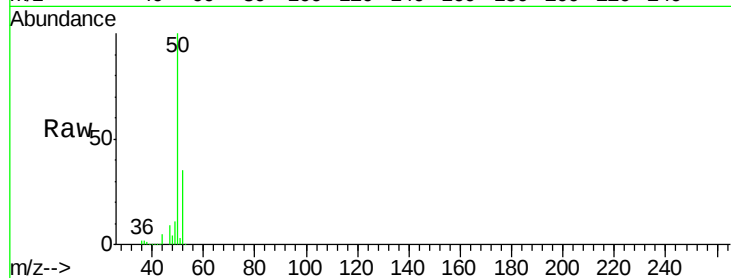
WP021MW470-180628MSD

Tot Ion: 50 Resp: 87260

Ion Ratio Lower Upper

50 100

52 34.5 26.4 39.6



#4

Vinyl Chloride

Concen: 50.135 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025261.D

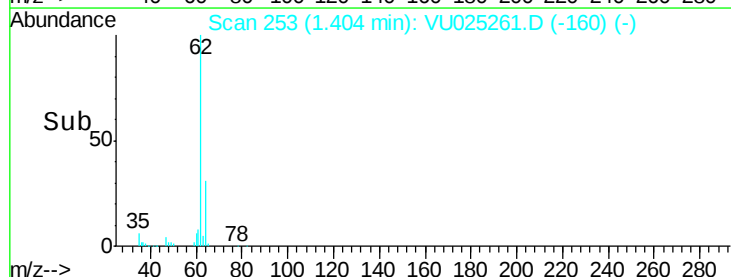
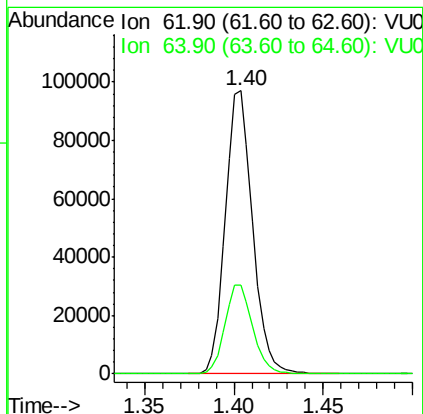
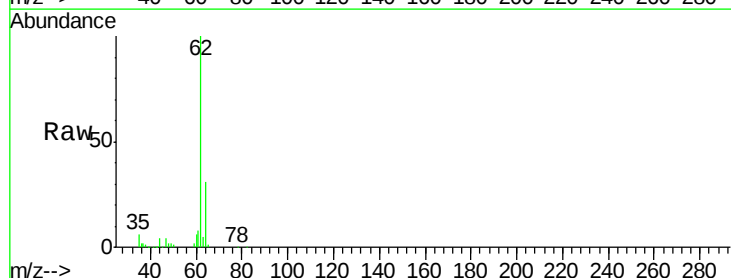
Acq: 06 Jul 2018 23:45

Tgt Ion: 62 Resp: 102936

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 59.062 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

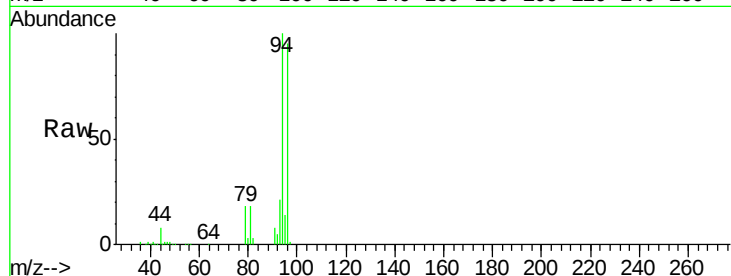
WP021MW470-180628MSD

Tot Ion: 94 Resp: 58622

Ion Ratio Lower Upper

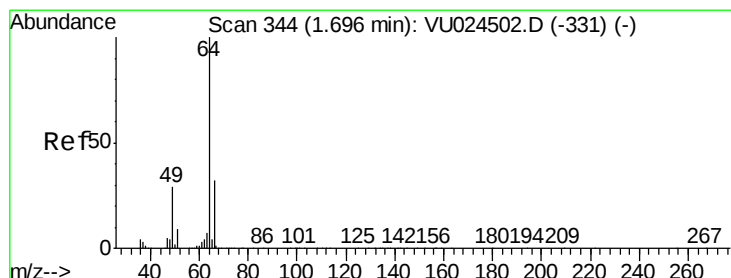
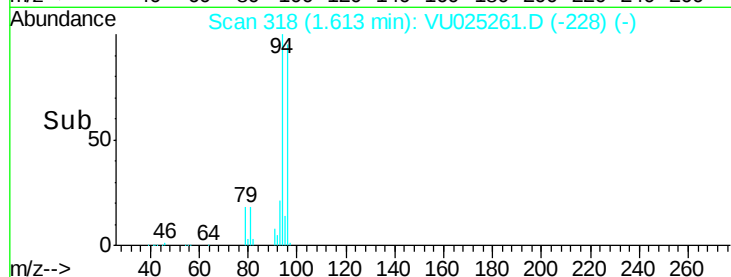
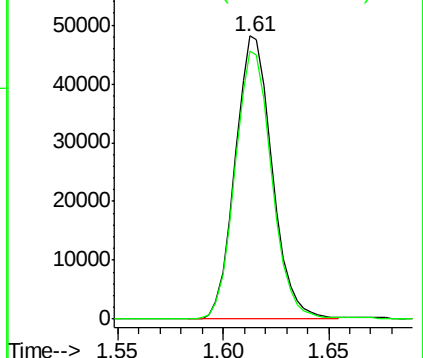
94 100

96 94.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 55.212 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025261.D

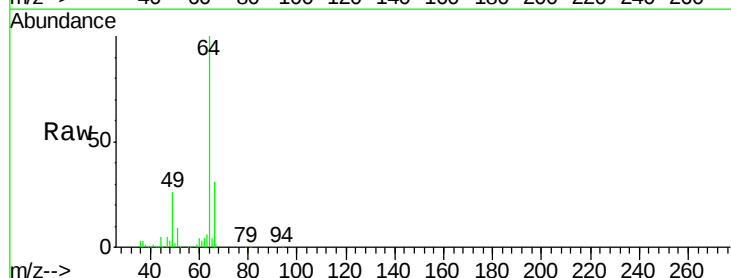
Acq: 06 Jul 2018 23:45

Tgt Ion: 64 Resp: 63219

Ion Ratio Lower Upper

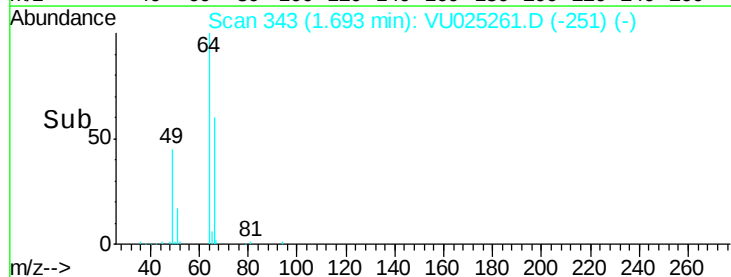
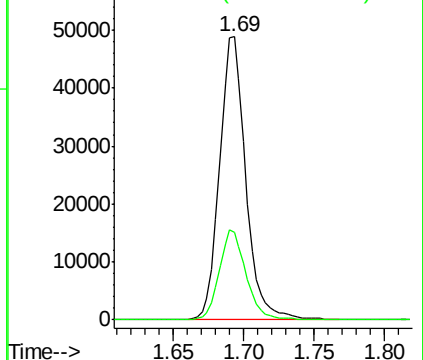
64 100

66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



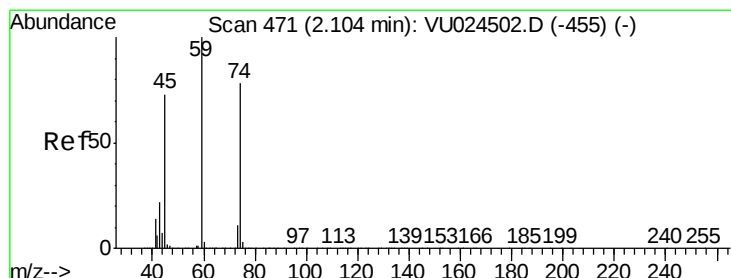
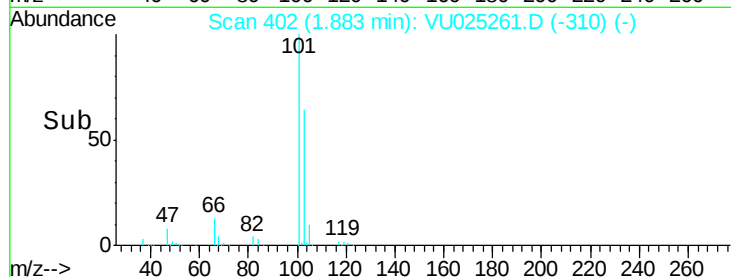
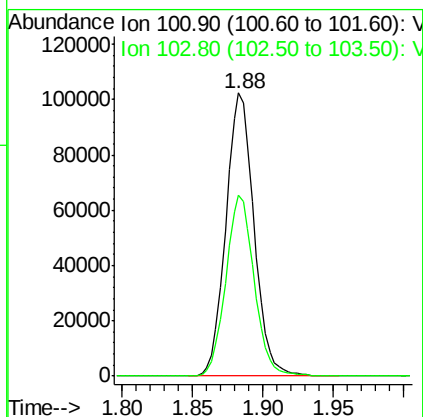
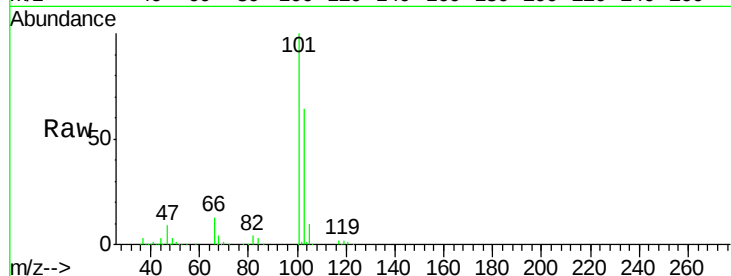


#7

Trichlorofluoromethane
Concen: 45.550 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025261.D
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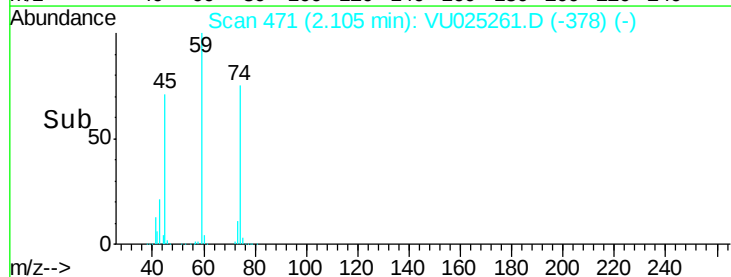
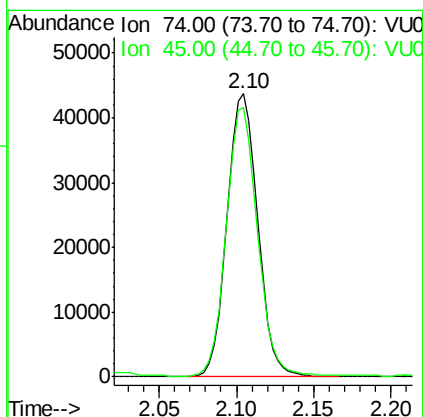
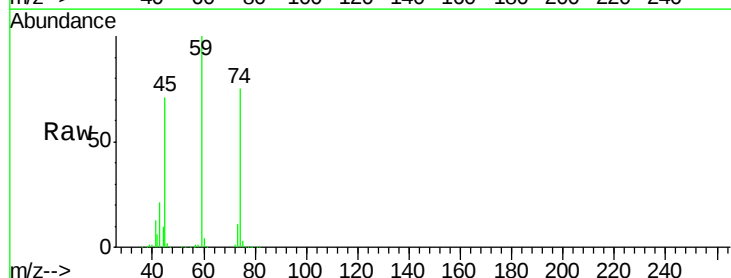
Tot Ion:101 Resp: 142726
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5



#8

Diethyl Ether
Concen: 56.469 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 74 Resp: 59955
Ion Ratio Lower Upper
74 100
45 96.5 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.803 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

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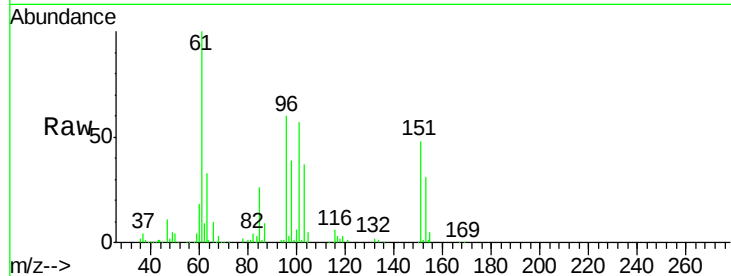
Tot Ion:101 Resp: 81261

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

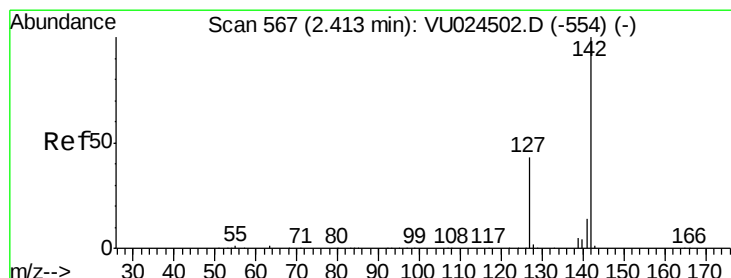
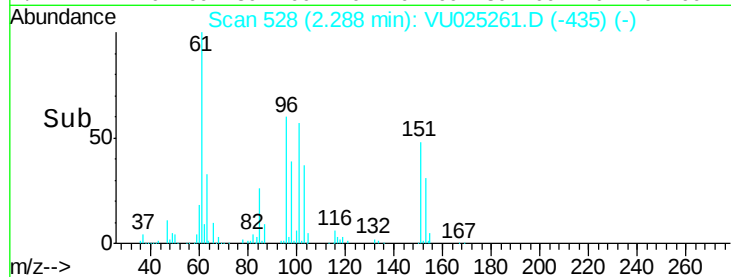
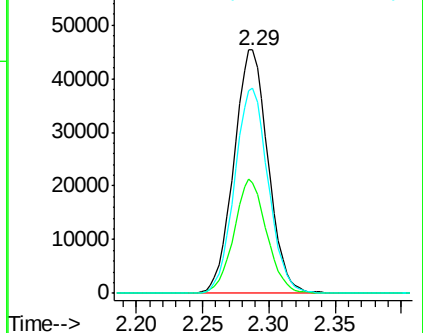
151 82.9 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 66.558 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

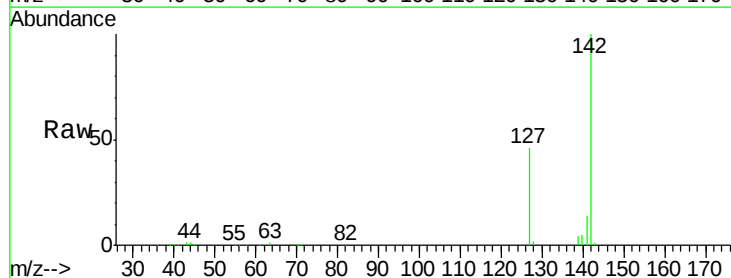
Tgt Ion:142 Resp: 112718

Ion Ratio Lower Upper

142 100

127 47.0 35.6 53.4

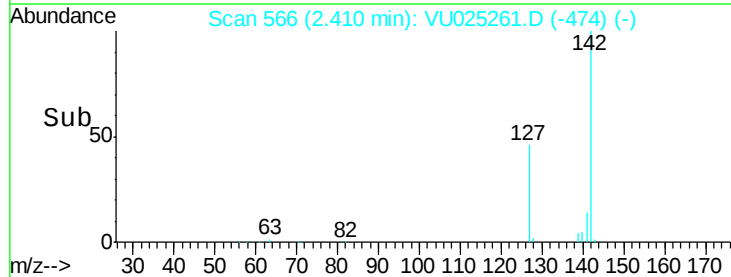
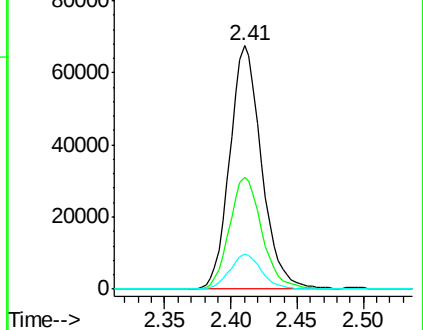
141 14.1 11.7 17.5



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



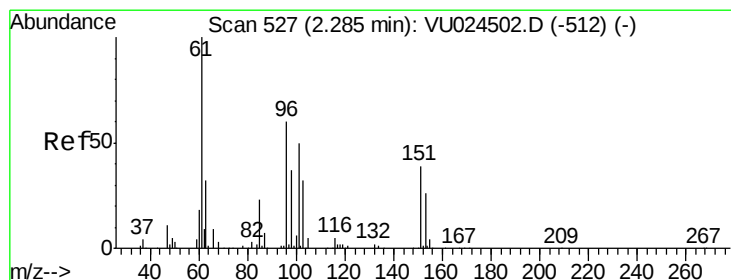
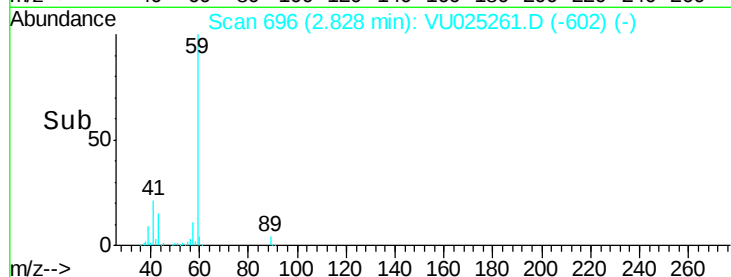
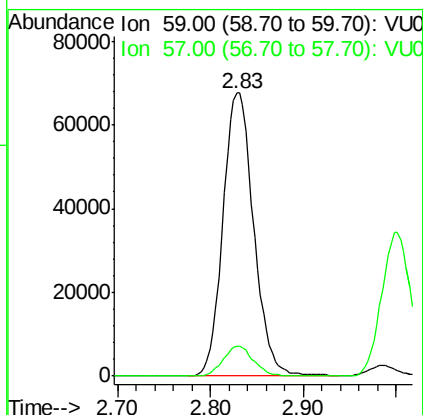
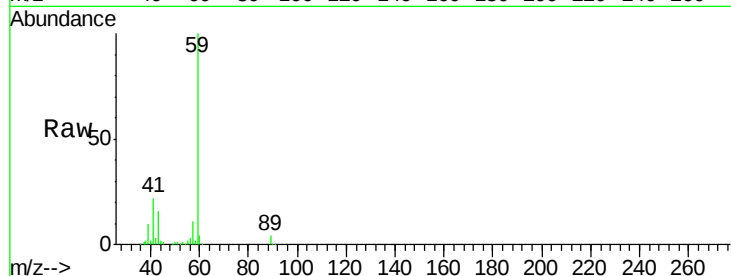


#11

Tert butyl alcohol
Concen: 251.350 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

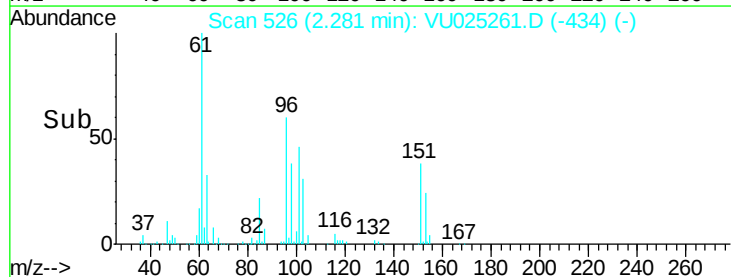
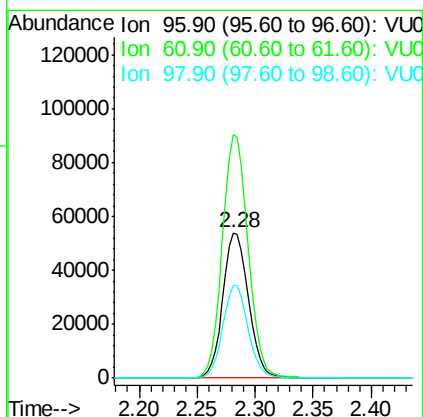
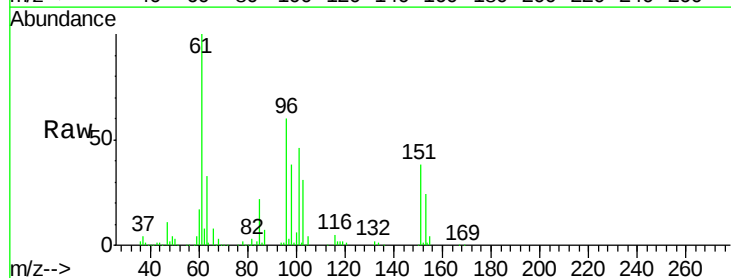
Tot Ion: 59 Resp: 155372
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

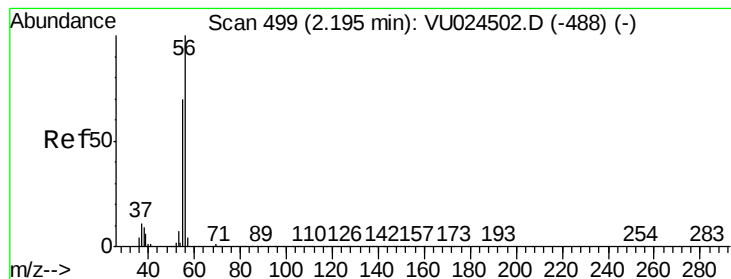


#12

1,1-Dichloroethene
Concen: 46.523 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 96 Resp: 82474
Ion Ratio Lower Upper
96 100
61 167.3 141.7 212.5
98 63.6 51.6 77.4





#13

Acrolein

Concen: 253.516 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

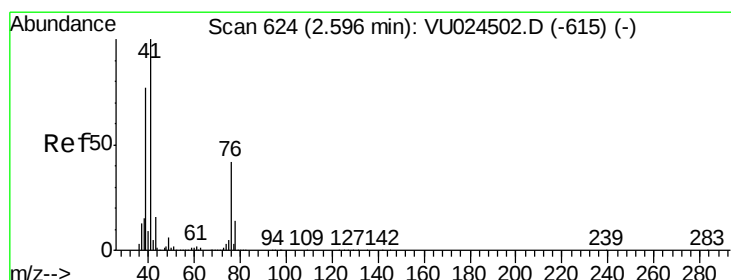
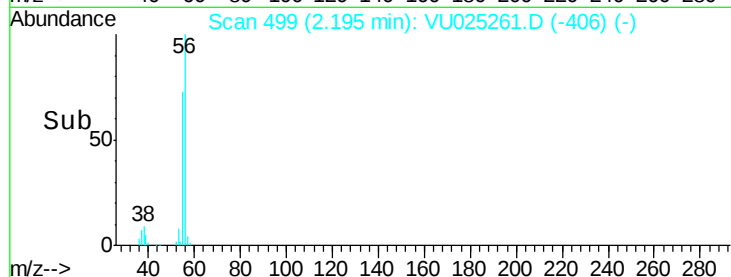
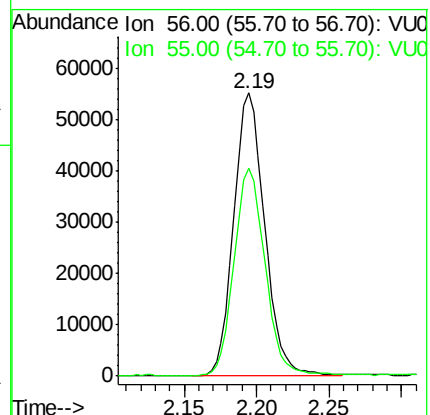
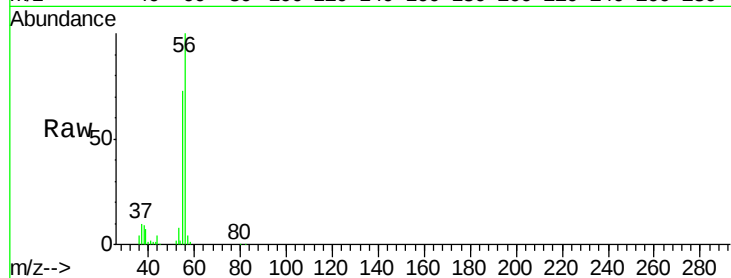
WP021MW470-180628MSD

Tot Ion: 56 Resp: 82293

Ion Ratio Lower Upper

56 100

55 73.0 58.4 87.6



#14

Allyl chloride

Concen: 44.411 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

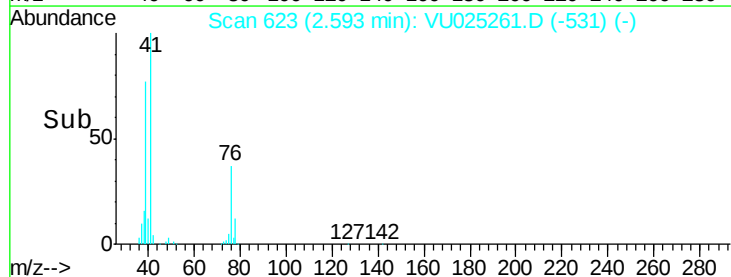
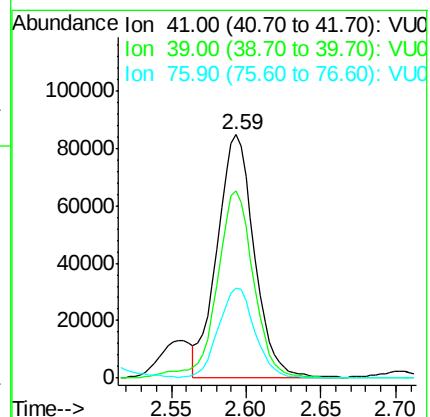
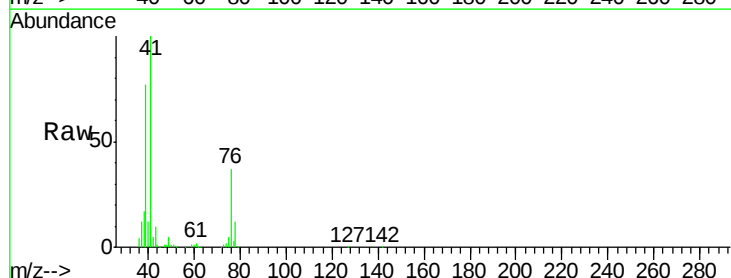
Tgt Ion: 41 Resp: 146179

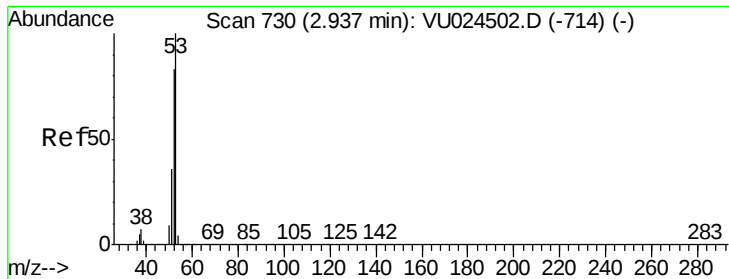
Ion Ratio Lower Upper

41 100

39 75.9 61.6 92.4

76 36.4 29.7 44.5





#15

Acrylonitrile

Concen: 259.148 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

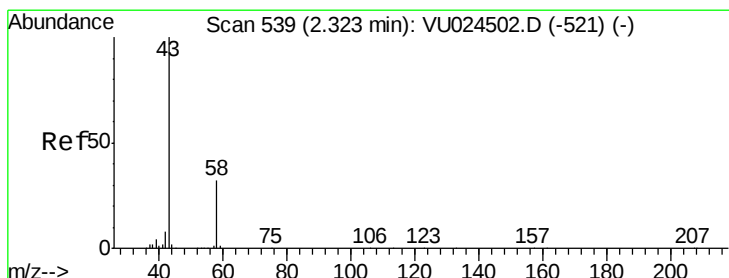
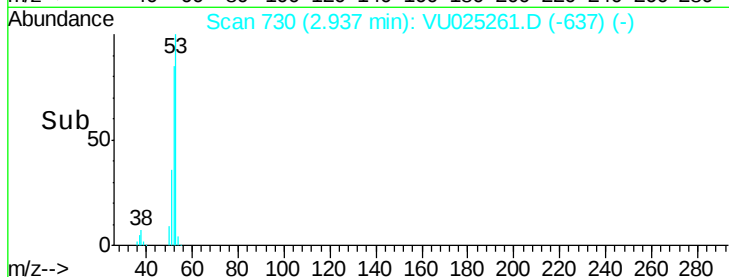
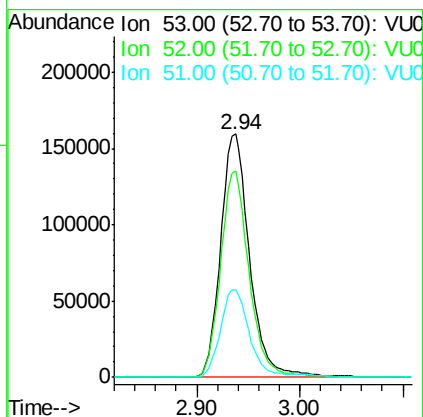
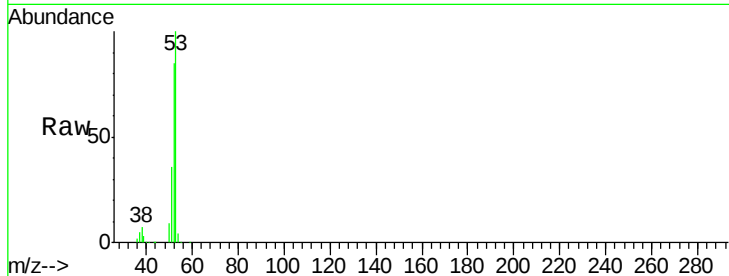
Tot Ion: 53 Resp: 311672

Ion Ratio Lower Upper

53 100

52 84.0 67.1 100.7

51 36.8 28.4 42.6



#16

Acetone

Concen: 214.855 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025261.D

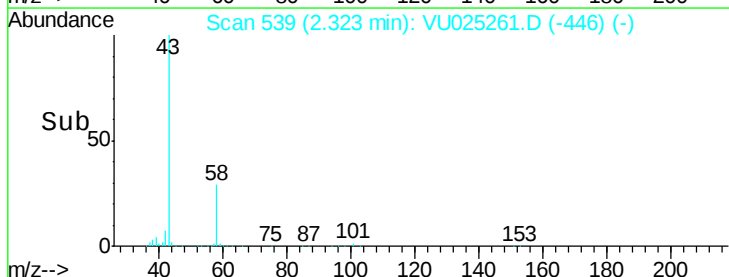
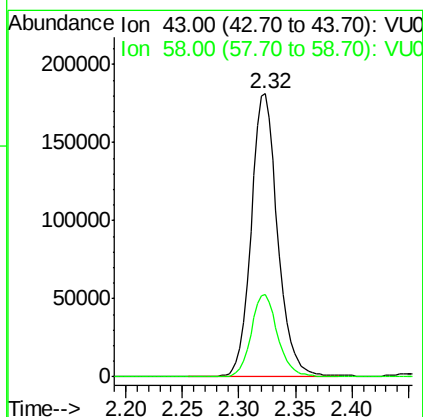
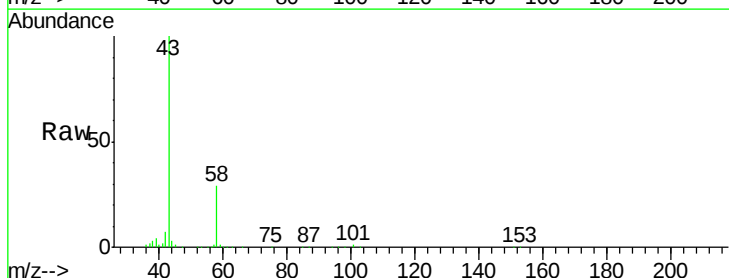
Acq: 06 Jul 2018 23:45

Tgt Ion: 43 Resp: 293410

Ion Ratio Lower Upper

43 100

58 28.9 24.4 36.6

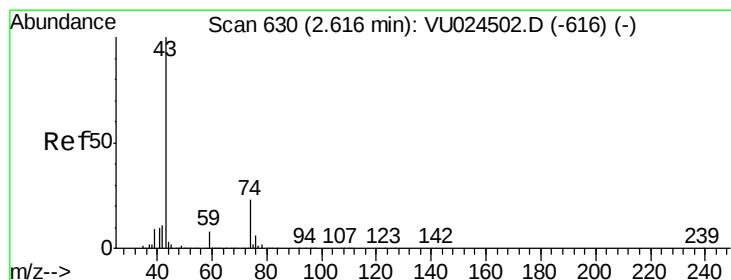
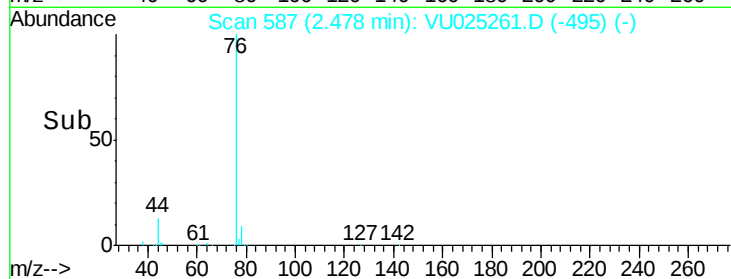
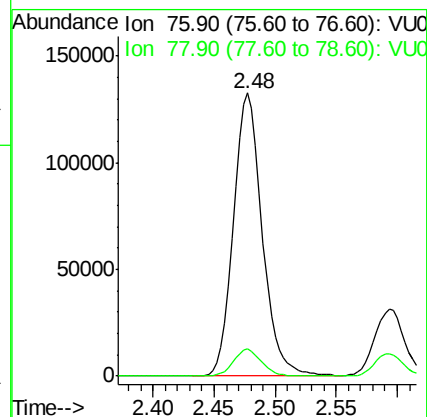
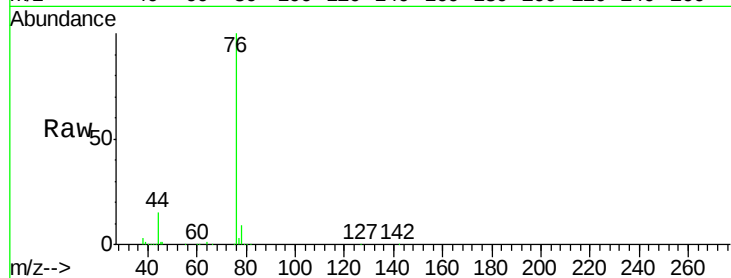




#17
Carbon Disulfide
Concen: 38.637 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

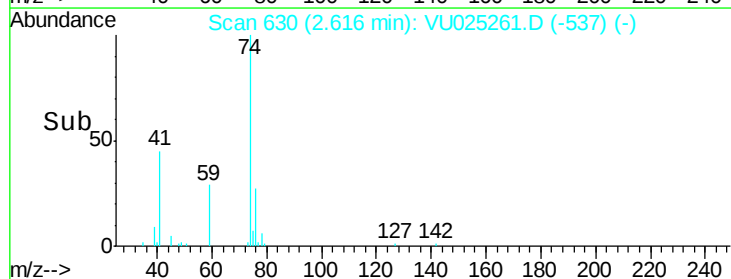
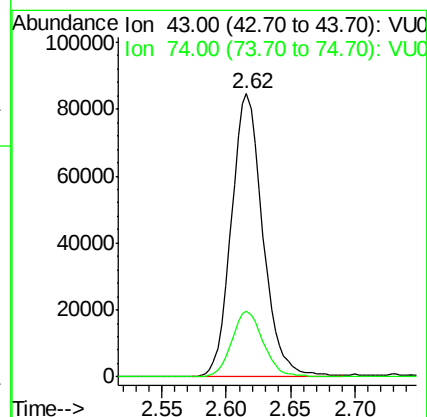
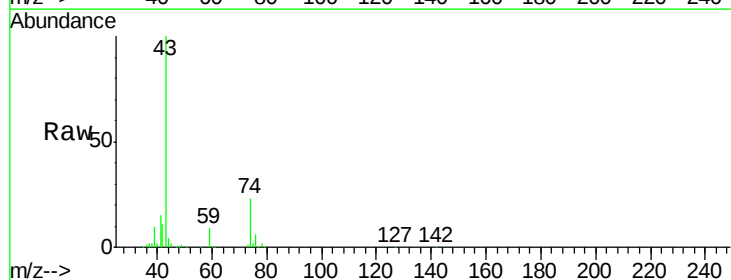
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

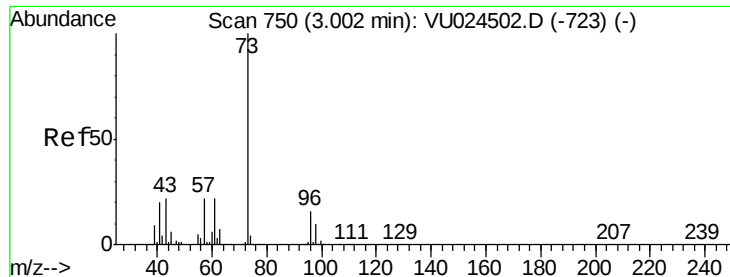
Tot Ion: 76 Resp: 219318
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 48.366 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 43 Resp: 141596
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



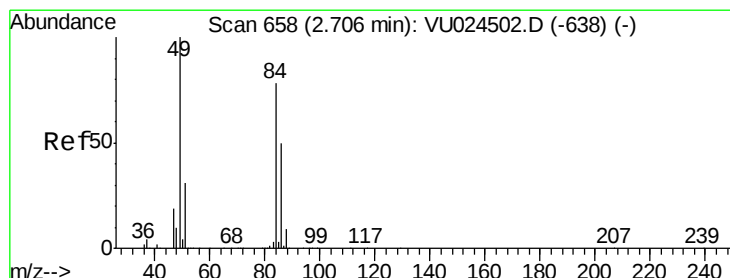
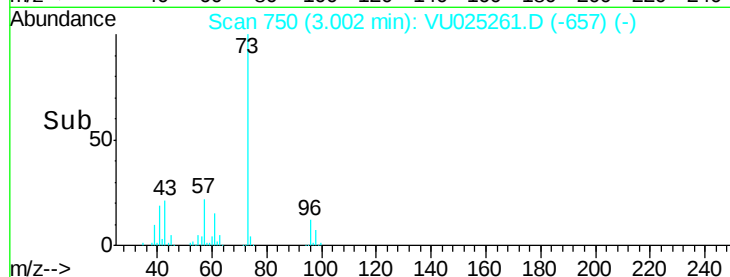
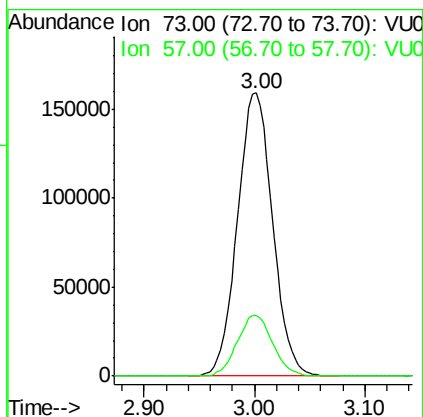
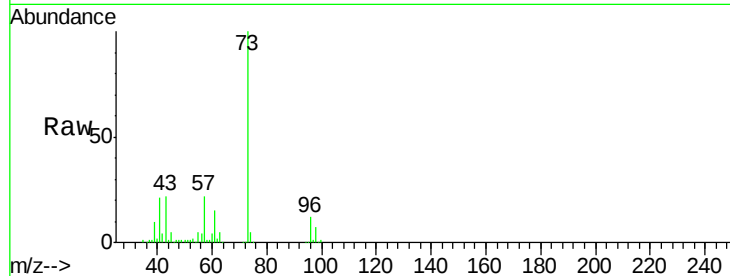


#19

Methyl tert-butyl Ether
 Concen: 52.764 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

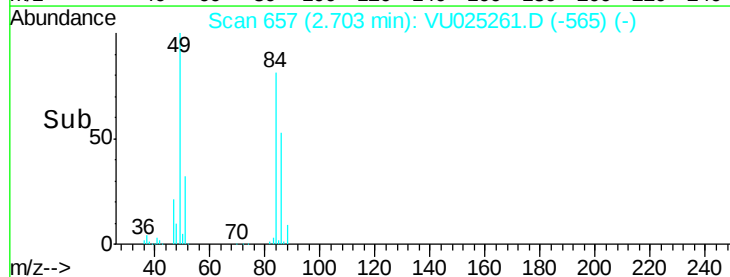
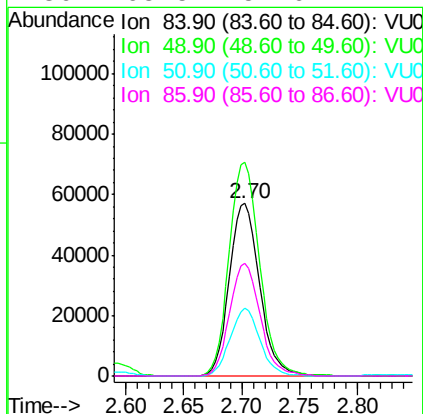
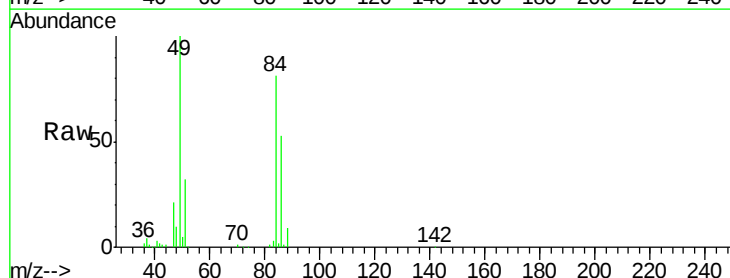
Tot Ion: 73 Resp: 351600
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.8 28.2

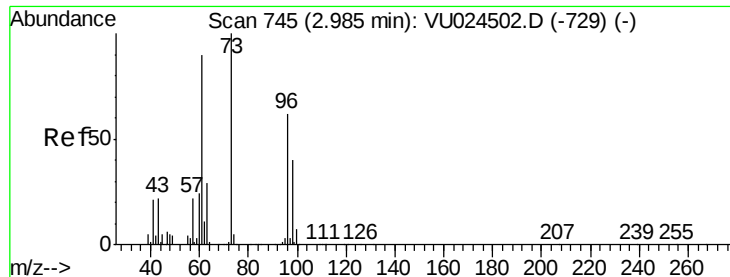


#20

Methylene Chloride
 Concen: 48.206 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 84 Resp: 103294
 Ion Ratio Lower Upper
 84 100
 49 123.8 103.8 155.8
 51 39.1 32.0 48.0
 86 65.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.865 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

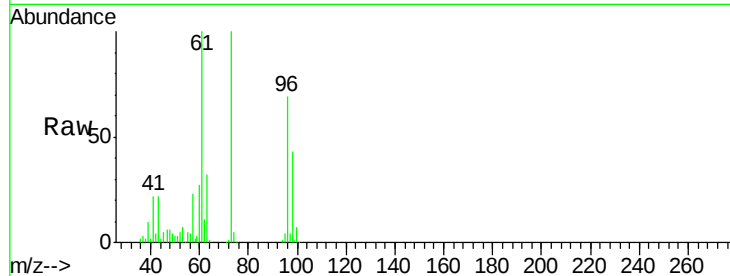
Tot Ion: 96 Resp: 93456

Ion Ratio Lower Upper

96 100

61 145.7 119.4 179.0

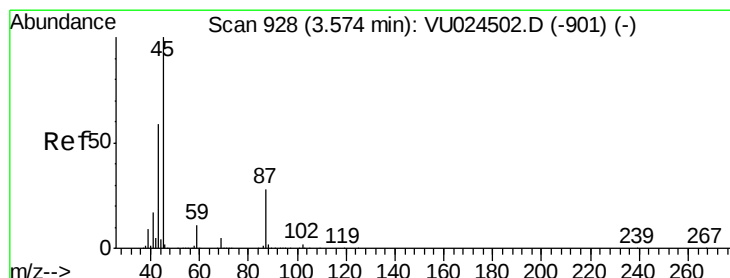
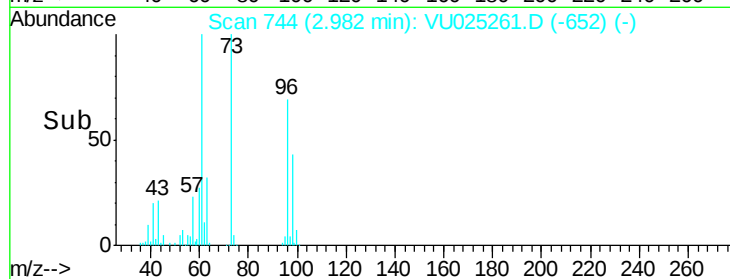
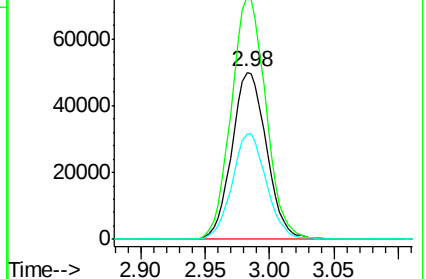
98 63.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025261.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025261.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025261.D (-652) (-)



#22

Diisopropyl ether

Concen: 51.315 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion: 45 Resp: 334826

Ion Ratio Lower Upper

45 100

43 59.2 45.8 68.6

87 28.3 20.6 31.0

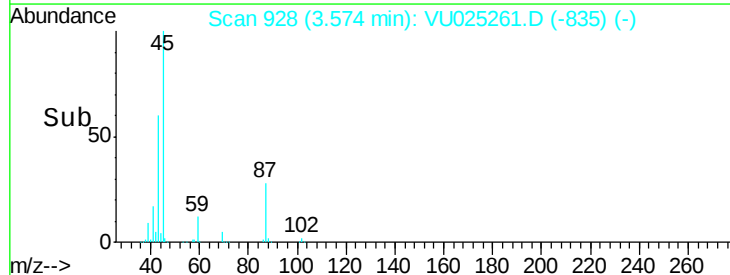
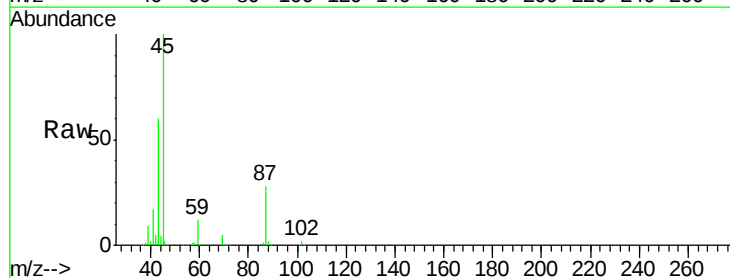
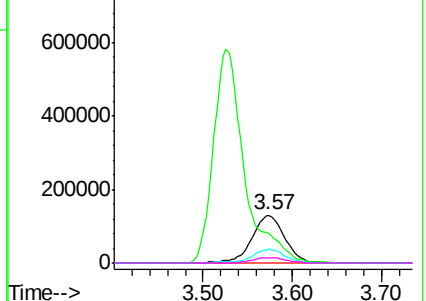
59 11.6 9.4 14.0

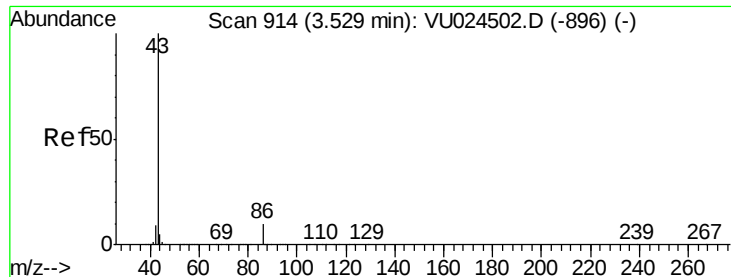
Abundance Ion 45.00 (44.70 to 45.70): VU025261.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025261.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025261.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025261.D (-835) (-)





#23

Vinyl Acetate

Concen: 239.088 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

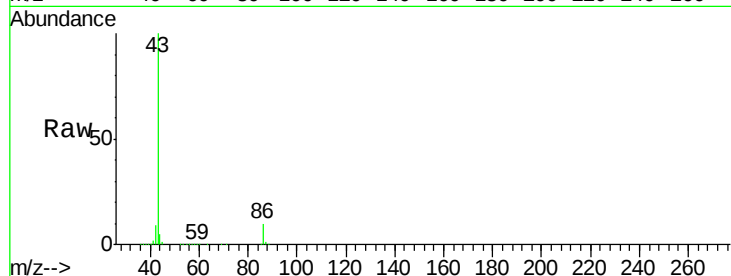
WP021MW470-180628MSD

Tot Ion: 43 Resp: 1397458

Ion Ratio Lower Upper

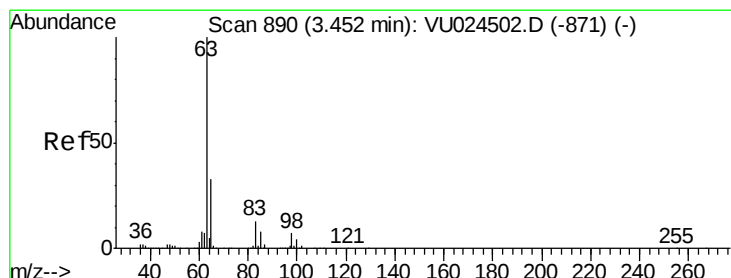
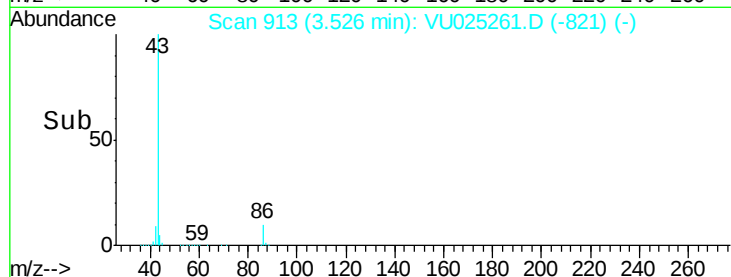
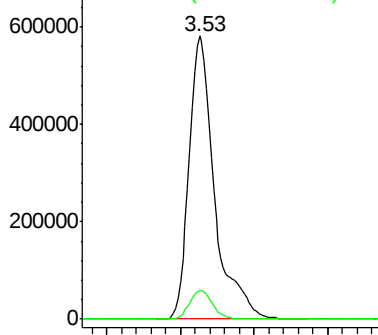
43 100

86 10.2 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: 50.494 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

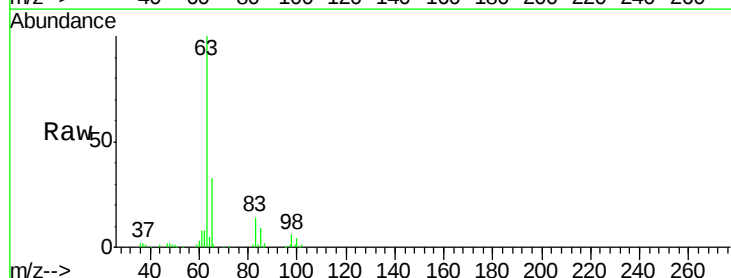
Tgt Ion: 63 Resp: 189532

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

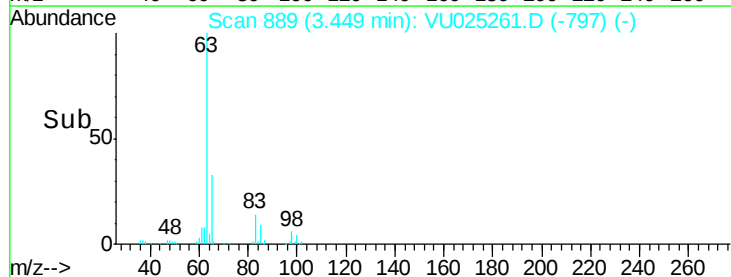
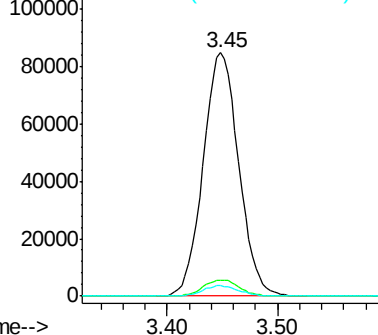
100 4.3 1.8 5.5

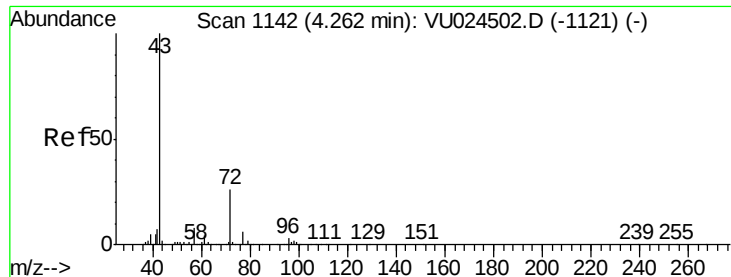


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

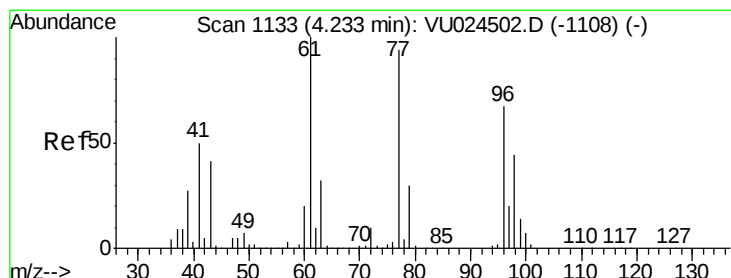
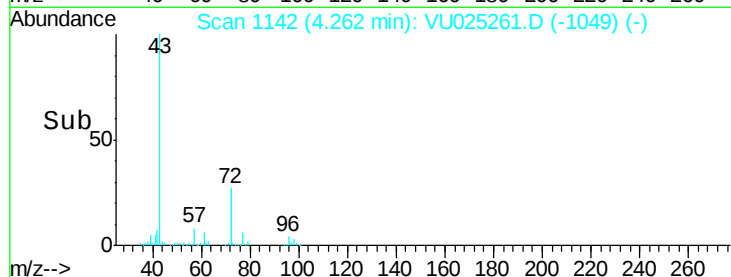
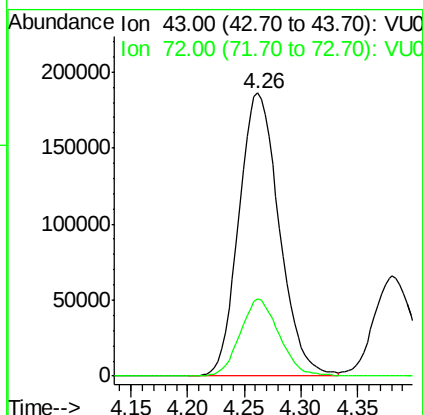
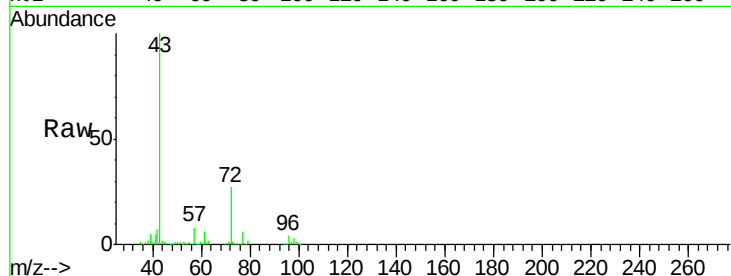




#25
 2-Butanone
 Concen: 250.917 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

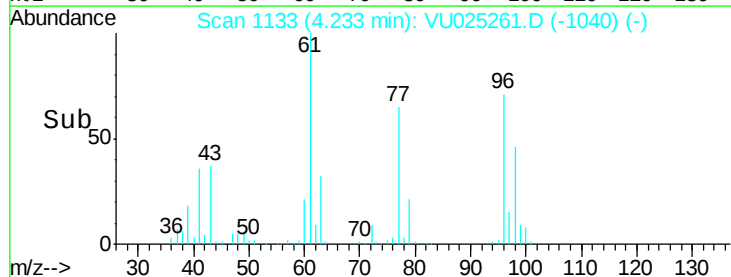
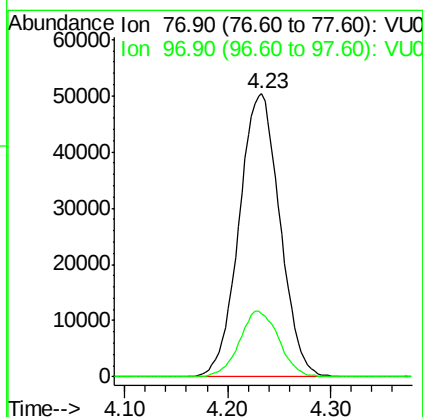
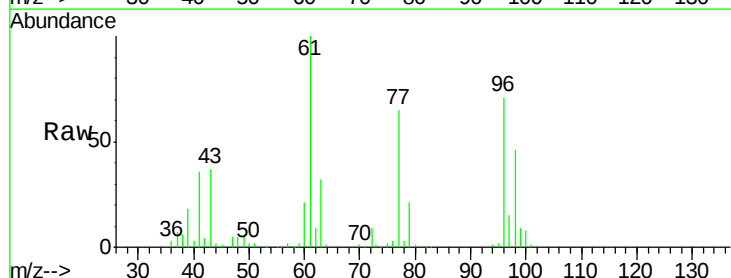
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion: 43 Resp: 460267
 Ion Ratio Lower Upper
 43 100
 72 27.3 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 38.757 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 77 Resp: 138137
 Ion Ratio Lower Upper
 77 100
 97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 60.452 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

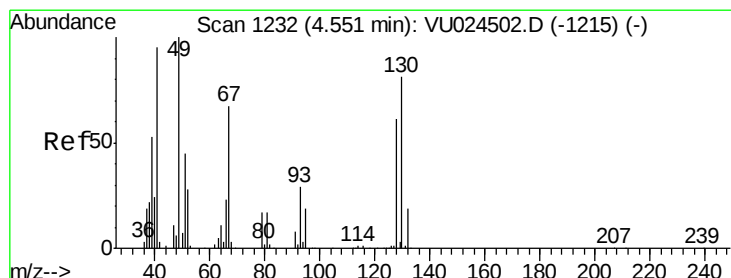
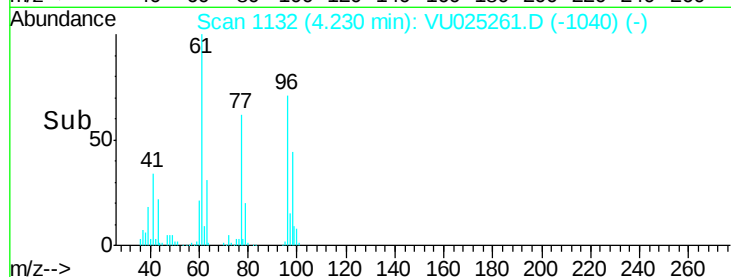
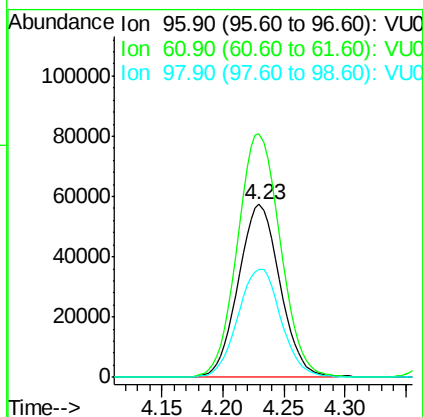
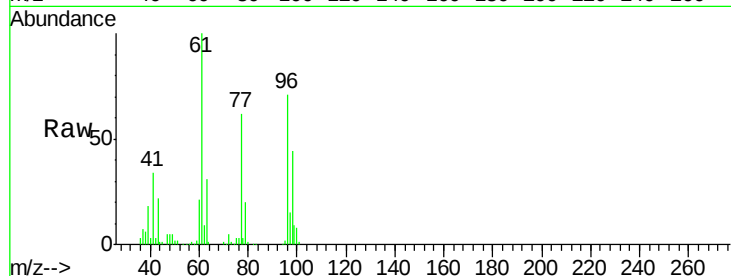
Tot Ion: 96 Resp: 135696

Ion Ratio Lower Upper

96 100

61 145.4 0.0 306.6

98 64.9 0.0 128.8



#28

Bromochloromethane

Concen: 62.210 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

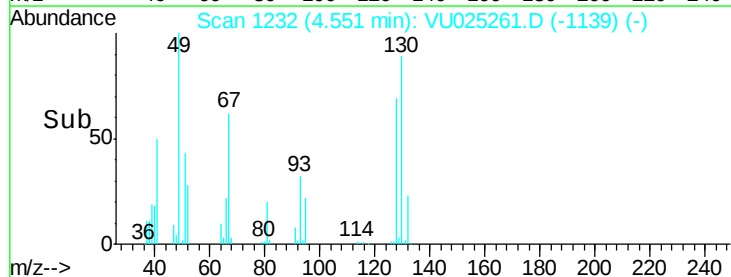
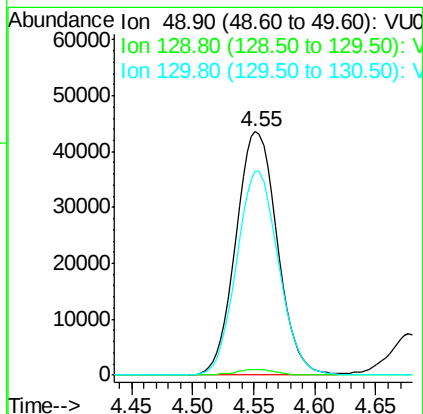
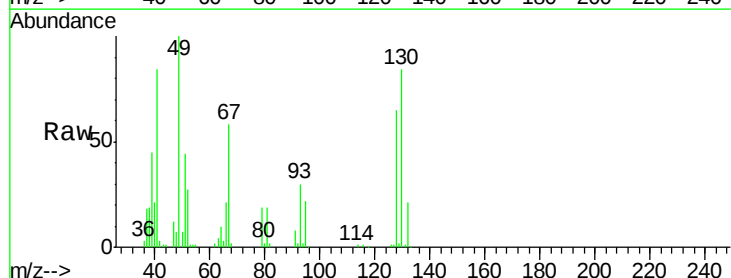
Tgt Ion: 49 Resp: 102853

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 84.6 57.8 86.6





#29

Tetrahydrofuran

Concen: 256.732 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

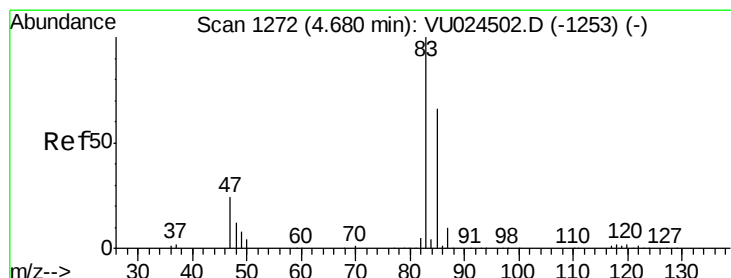
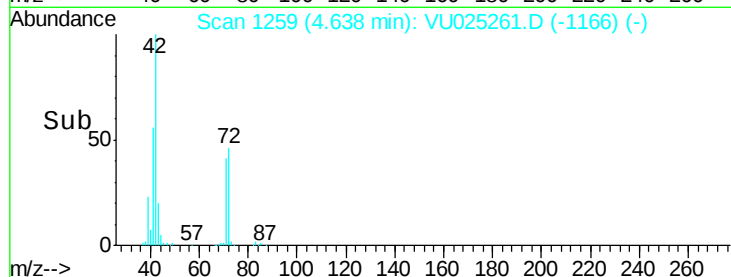
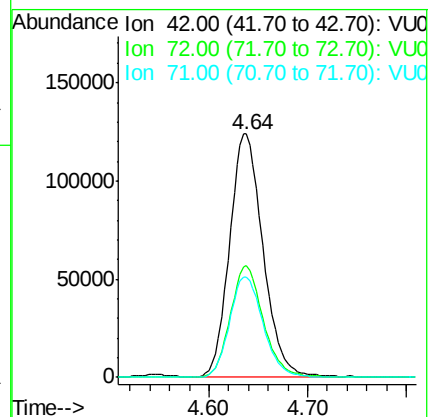
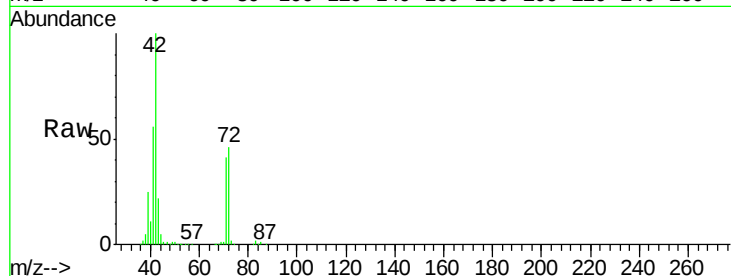
Tot Ion: 42 Resp: 291634

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

71 41.7 32.2 48.4



#30

Chloroform

Concen: 52.527 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025261.D

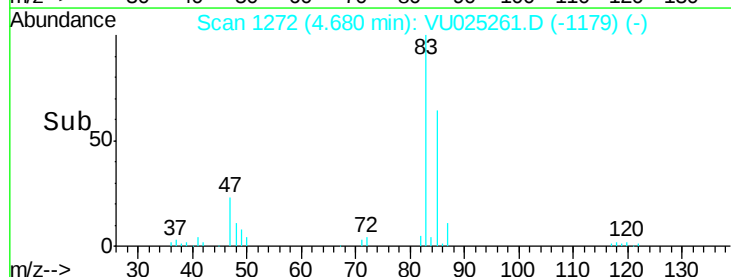
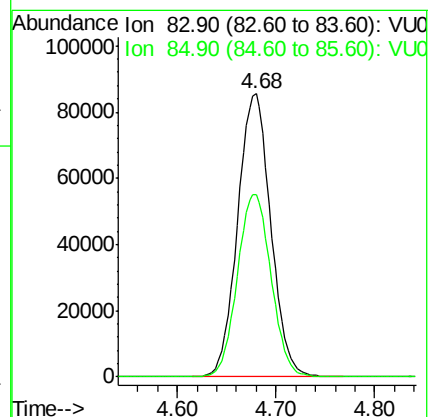
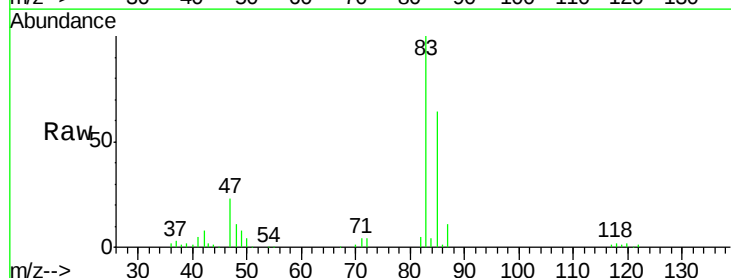
Acq: 06 Jul 2018 23:45

Tgt Ion: 83 Resp: 199562

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6

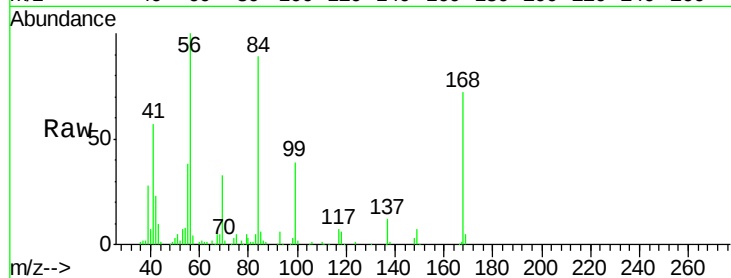




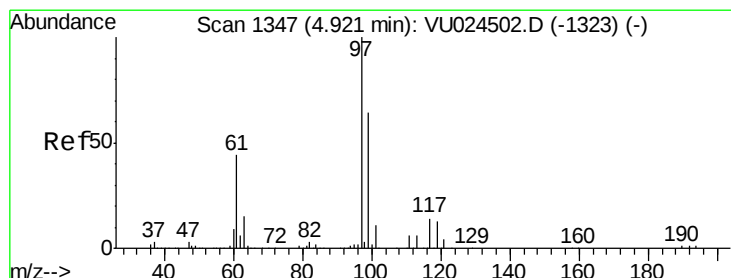
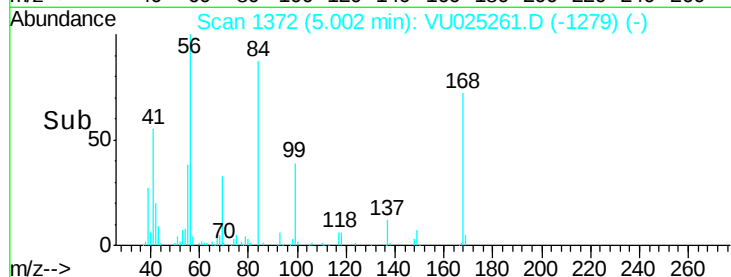
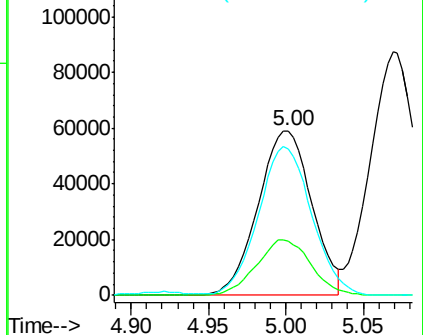
#31
Cyclohexane
Concen: 42.587 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 56 Resp: 142930
Ion Ratio Lower Upper
56 100
69 32.5 24.8 37.2
84 88.0 65.2 97.8

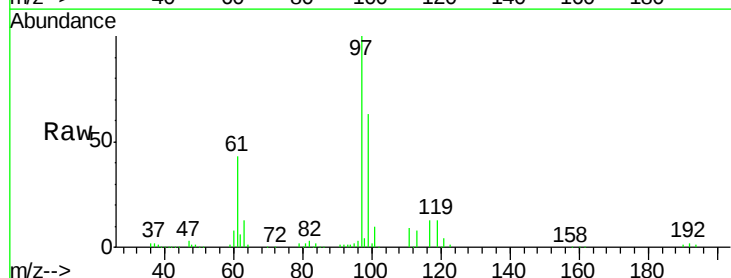


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

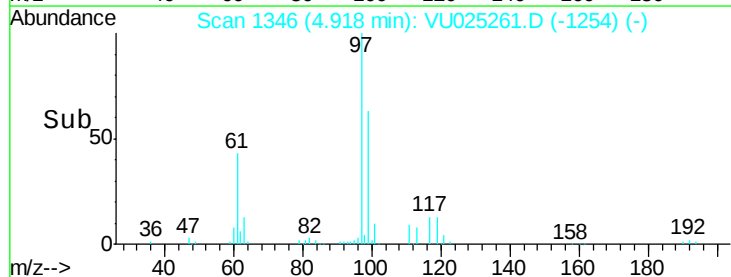
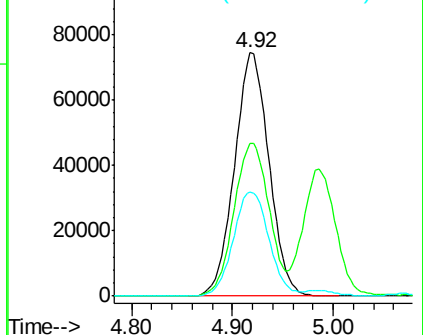


#32
1,1,1-Trichloroethane
Concen: 50.215 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 97 Resp: 176420
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 44.6 39.4 59.0



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

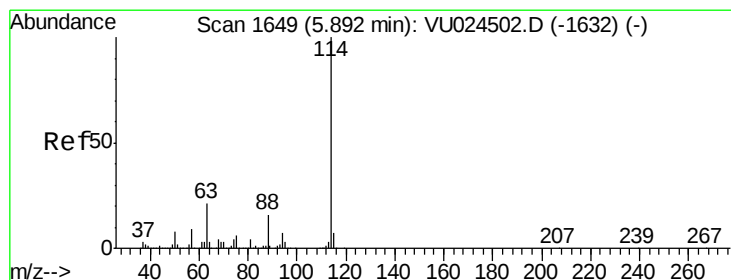
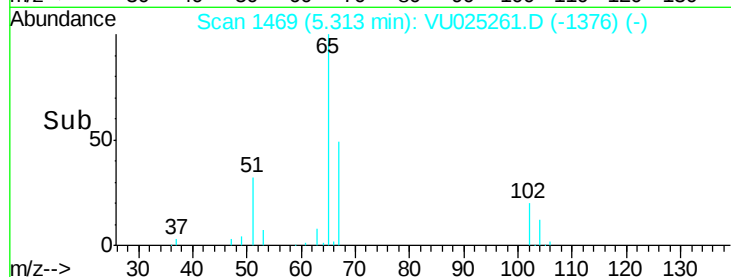
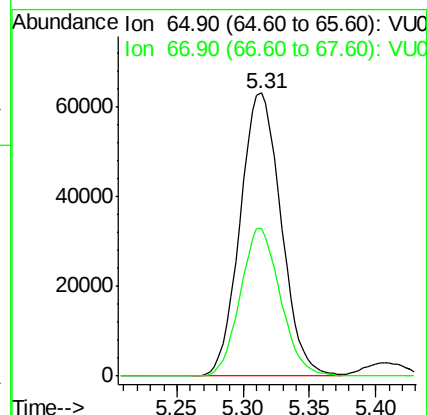
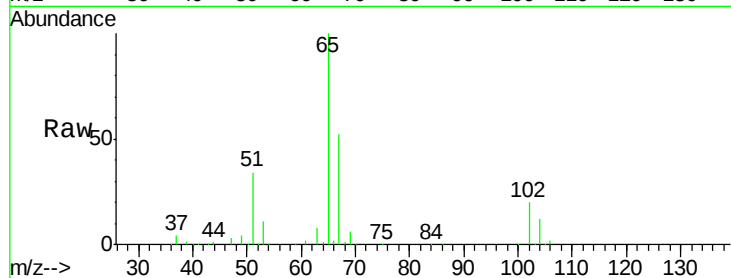




#33
 1,2-Dichloroethane-d4
 Concen: 53.505 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

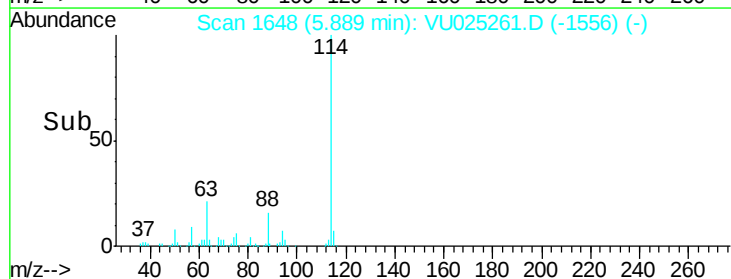
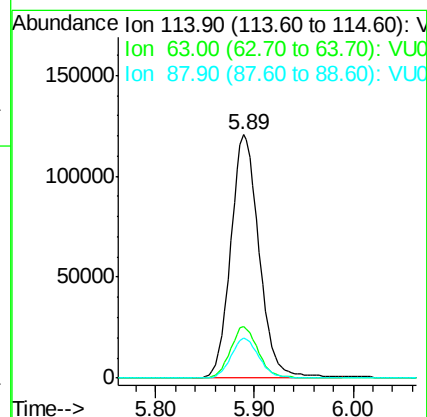
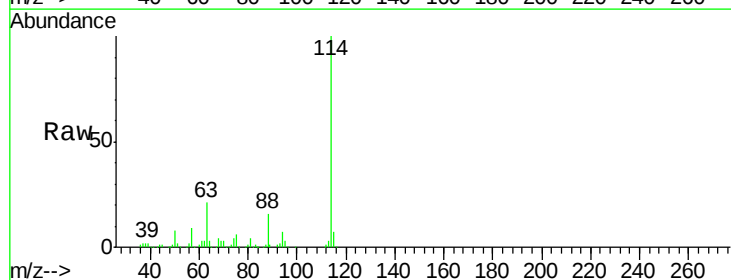
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

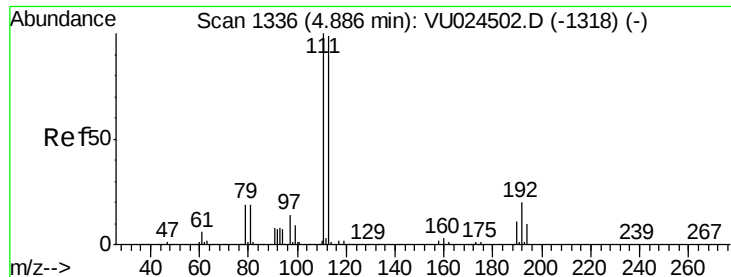
Tot Ion: 65 Resp: 135990
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 114 Resp: 242814
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.3 0.0 31.0

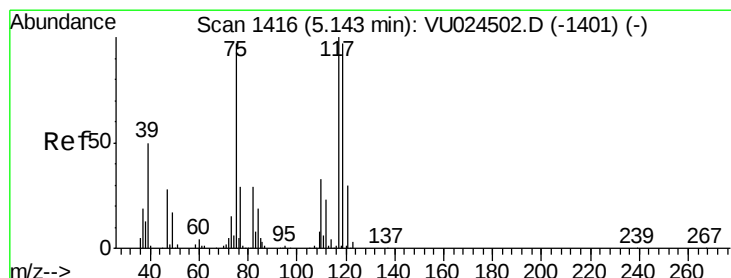
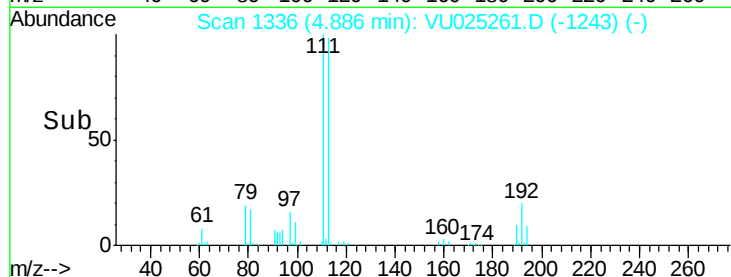
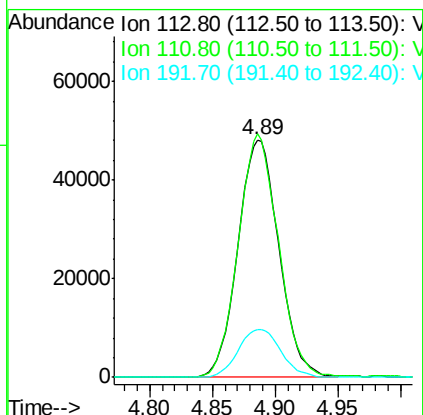
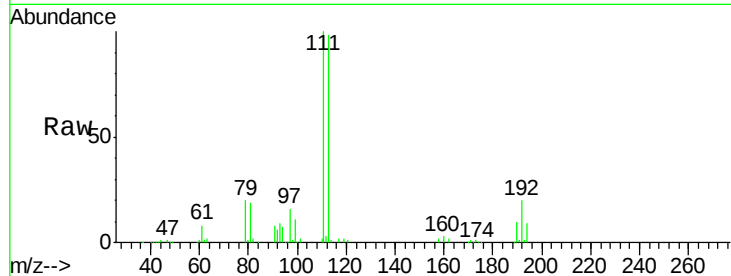




#35
 Dibromofluoromethane
 Concen: 54.131 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

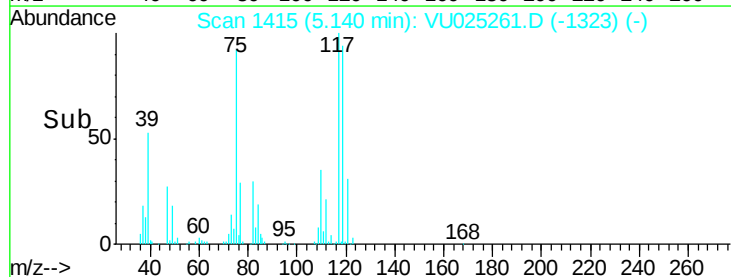
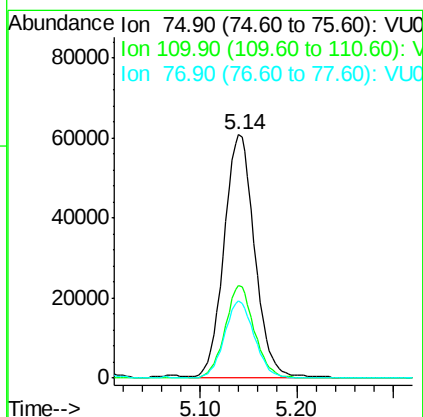
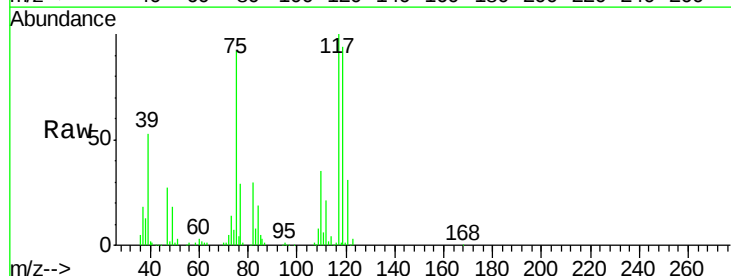
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

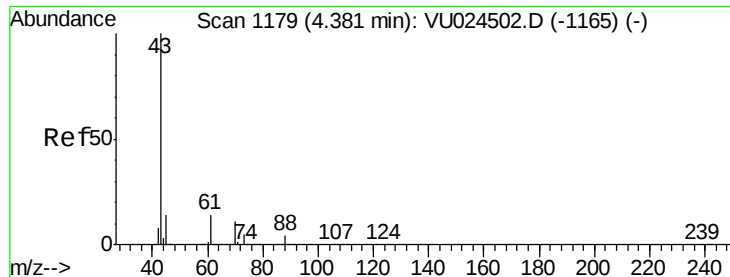
Tot Ion:113 Resp: 109084
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.4
 192 21.0 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 46.358 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 75 Resp: 132270
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.0 50.9
 77 30.6 24.2 36.4

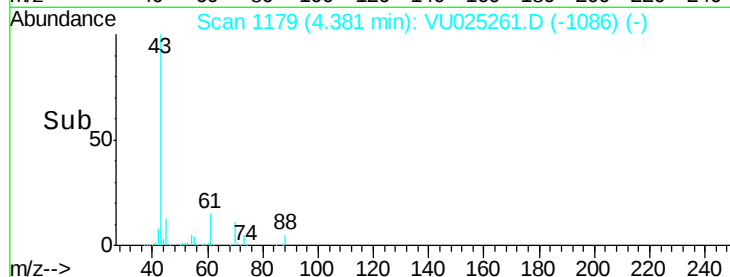
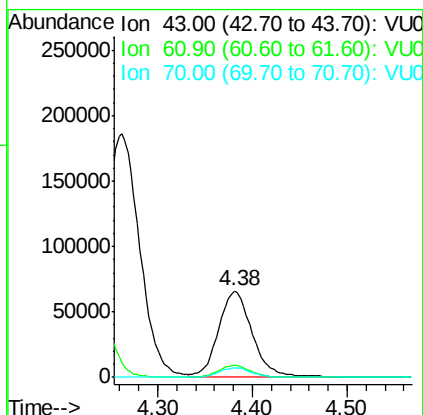
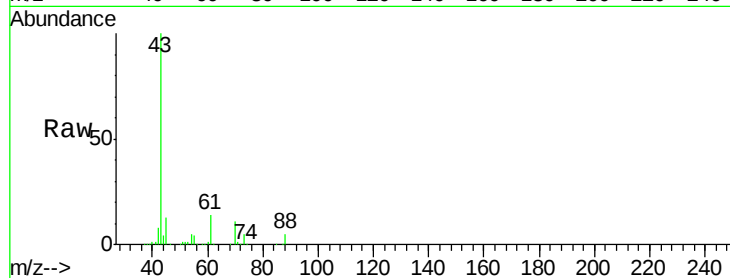




#37
Ethyl Acetate
Concen: 51.704 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

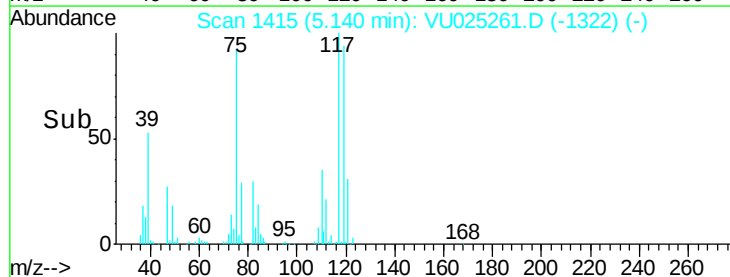
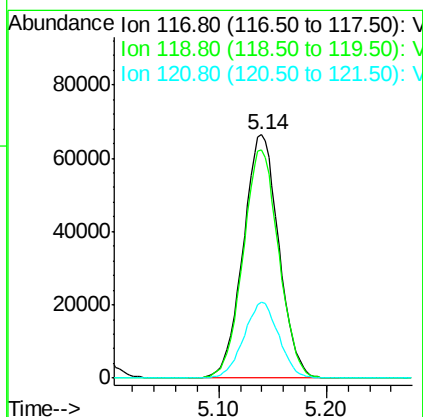
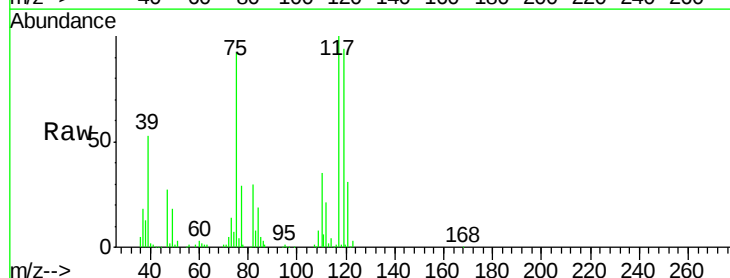
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	43	Resp	160791
Ion Ratio	Lower	Upper	
43	100		
61	12.9	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 48.500 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	117	Resp	152174
Ion Ratio	Lower	Upper	
117	100		
119	93.9	76.1	114.1
121	31.3	23.7	35.5

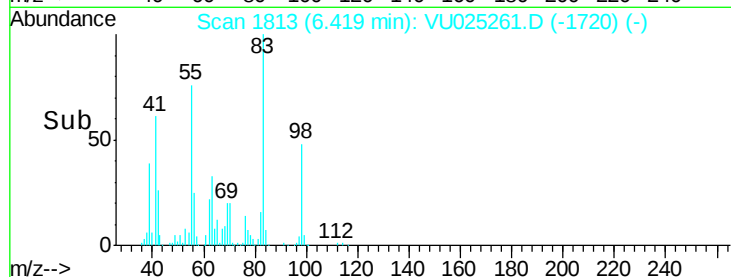
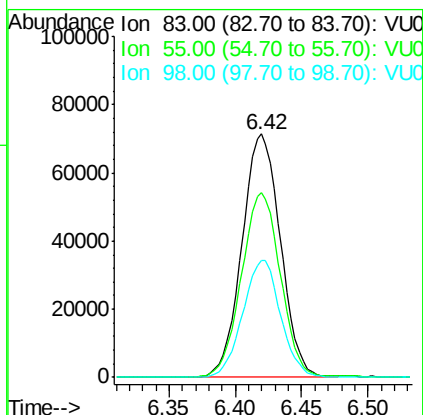
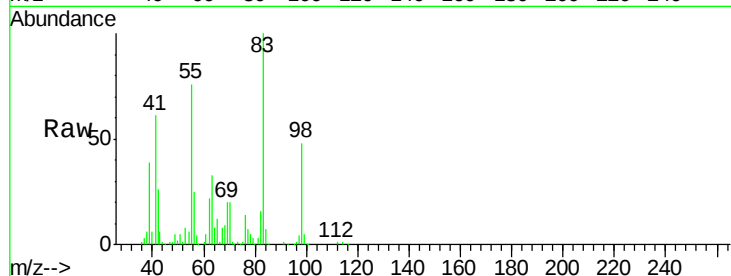




#39
Methvlcvclohexane
Concen: 40.559 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

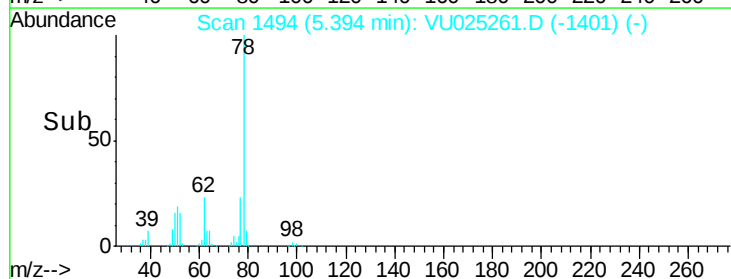
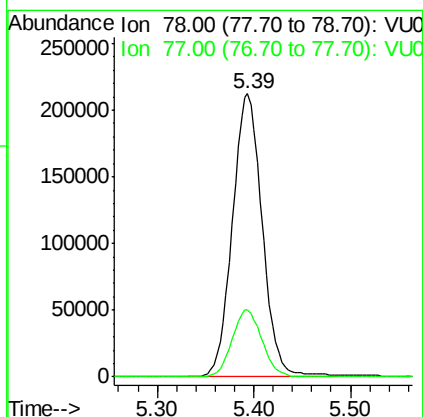
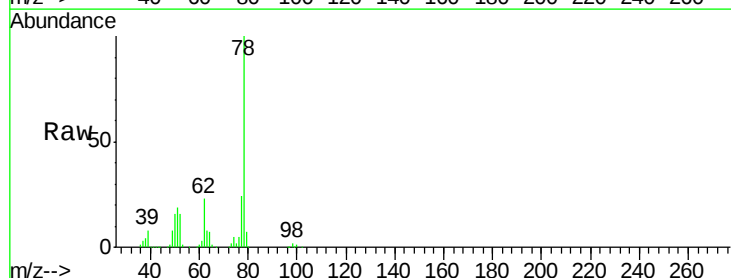
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 83 Resp: 144415
Ion Ratio Lower Upper
83 100
55 75.9 65.8 98.6
98 48.2 36.7 55.1



#40
Benzene
Concen: 55.930 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 78 Resp: 454723
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 56.438 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 41 Resp: 94630

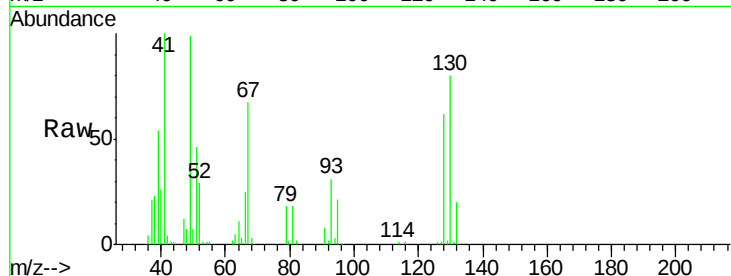
Ion Ratio Lower Upper

41 100

39 55.9 43.8 65.6

67 69.1 56.3 84.5

52 29.8 23.2 34.8

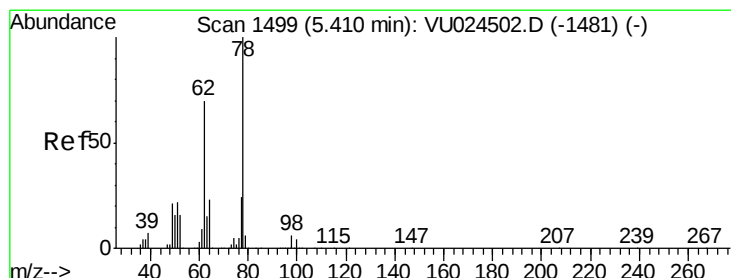
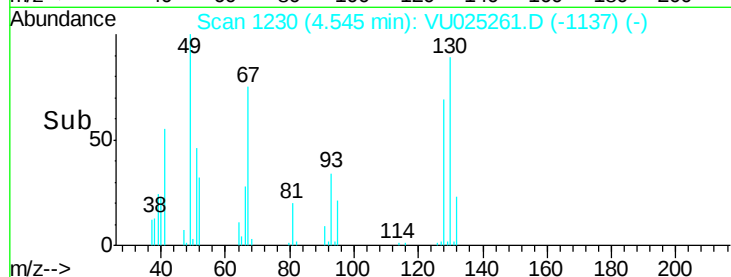
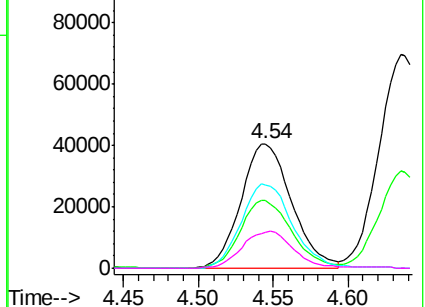


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 55.701 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025261.D

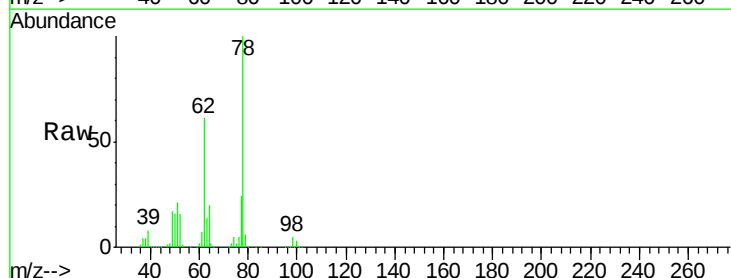
Acq: 06 Jul 2018 23:45

Tgt Ion: 62 Resp: 172479

Ion Ratio Lower Upper

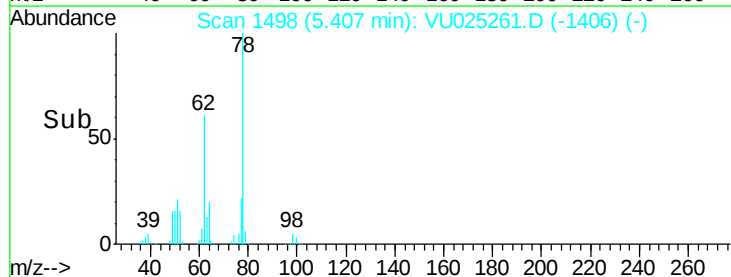
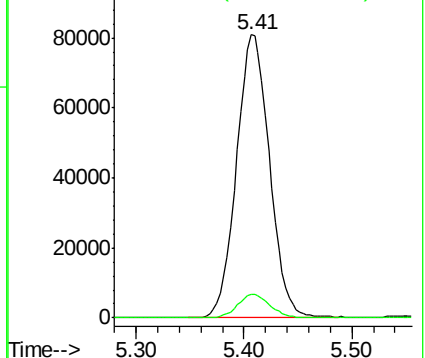
62 100

98 8.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 48.073 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

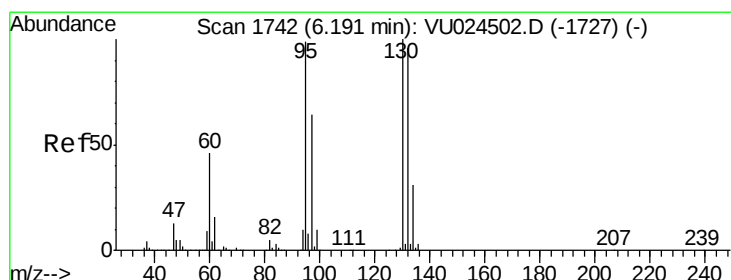
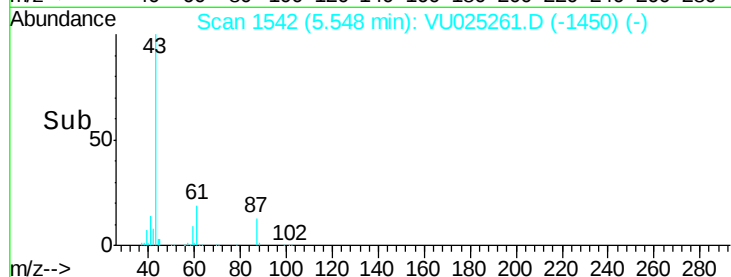
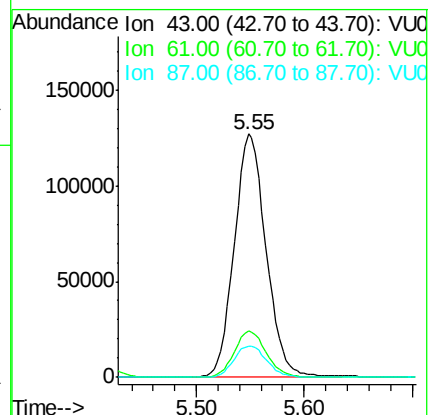
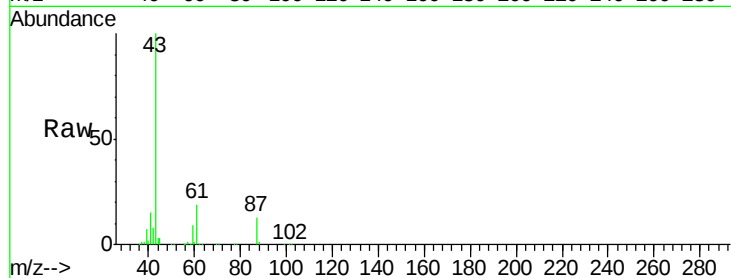
Tot Ion: 43 Resp: 258414

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.0

87 13.4 10.0 15.0



#44

Trichloroethene

Concen: 51.985 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025261.D

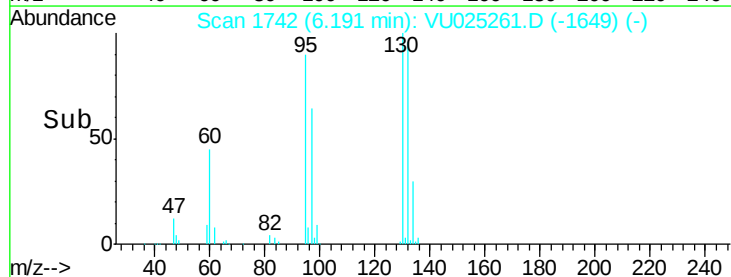
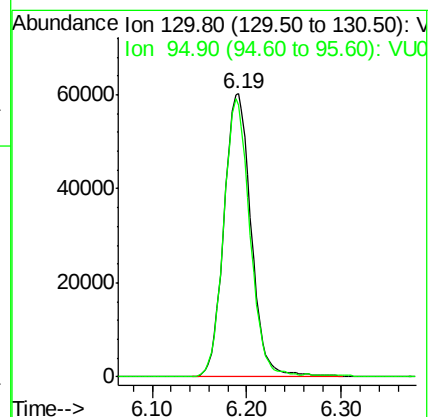
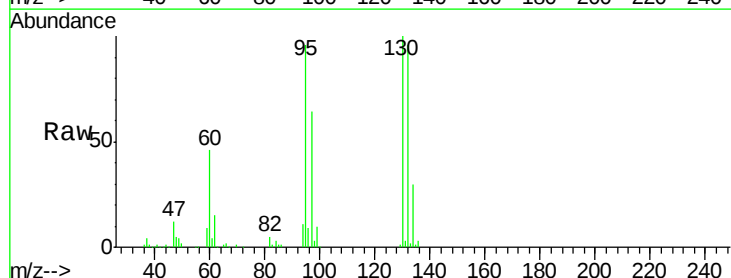
Acq: 06 Jul 2018 23:45

Tgt Ion: 130 Resp: 120285

Ion Ratio Lower Upper

130 100

95 96.2 0.0 202.4

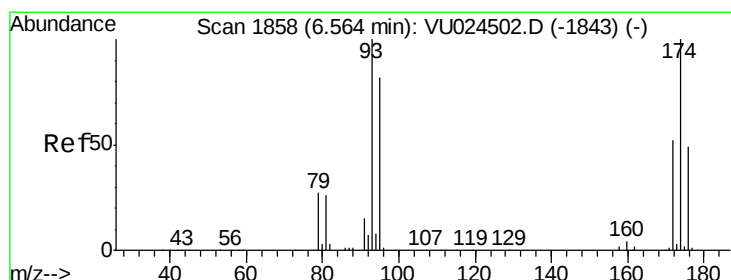
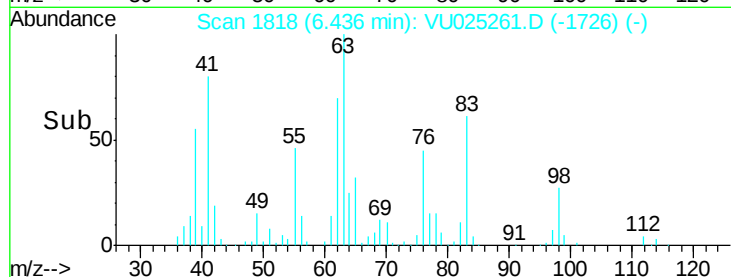
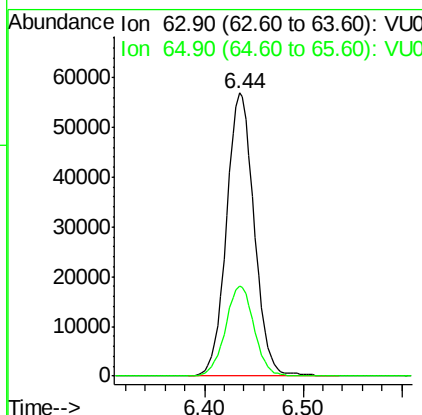
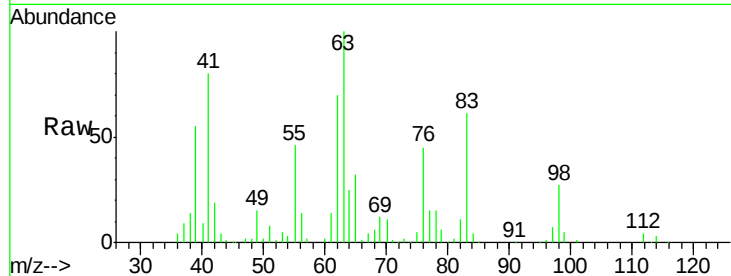




#45
 1,2-Dichloropropane
 Concen: 51.241 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

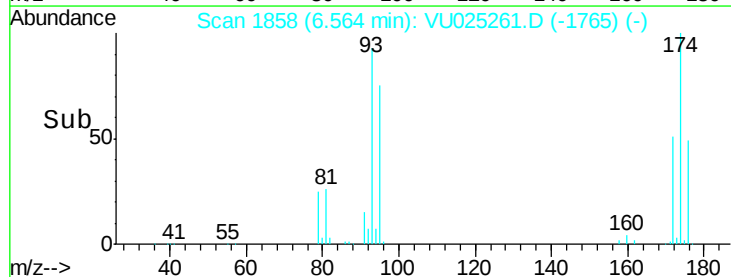
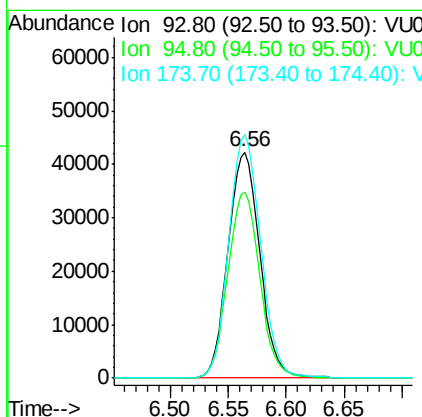
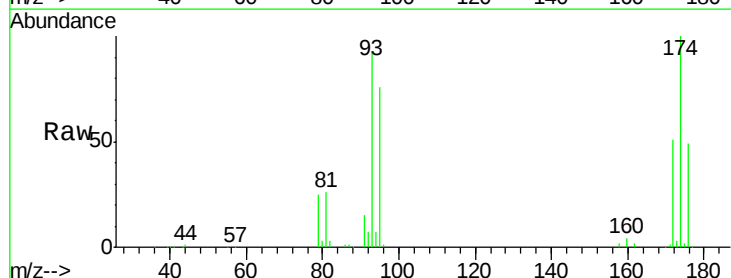
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion: 63 Resp: 111158
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 52.691 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 93 Resp: 80289
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.5 98.3
 174 107.9 78.7 118.1





#47

Bromodichloromethane

Concen: 49.886 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

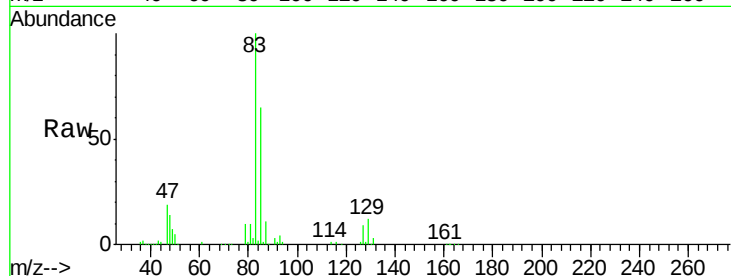
Tot Ion: 83 Resp: 151367

Ion Ratio Lower Upper

83 100

85 64.6 51.9 77.9

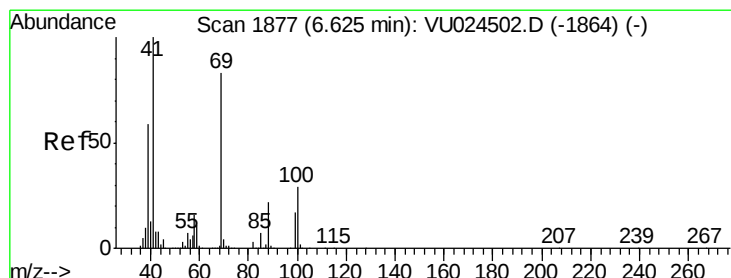
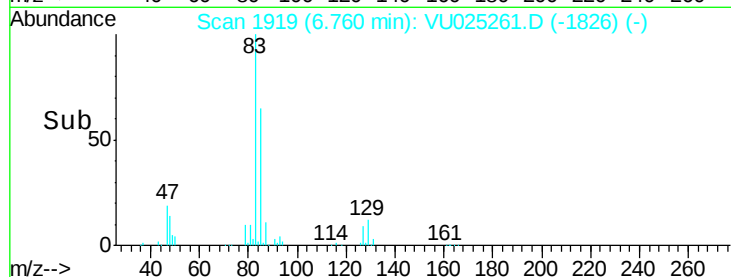
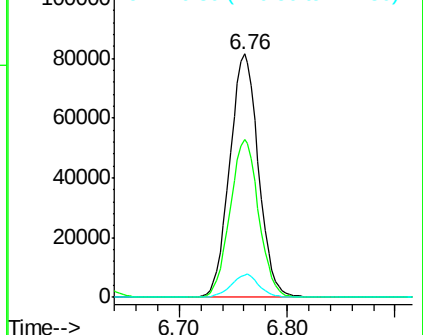
127 9.3 6.6 9.8



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: 51.771 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

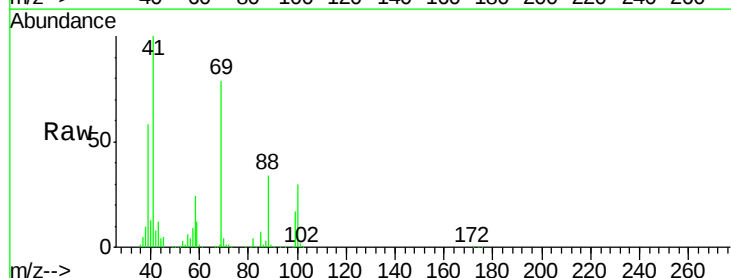
Tgt Ion: 41 Resp: 135514

Ion Ratio Lower Upper

41 100

69 81.3 67.3 100.9

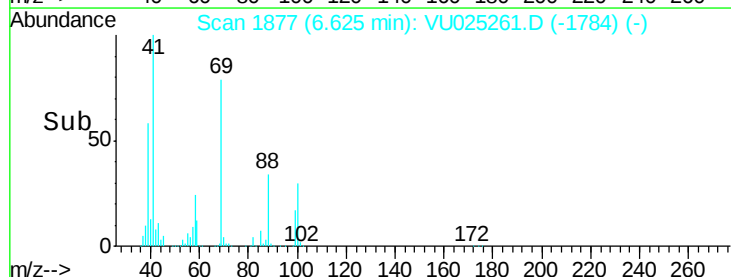
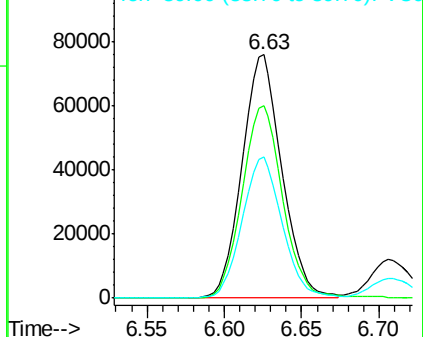
39 57.7 46.5 69.7

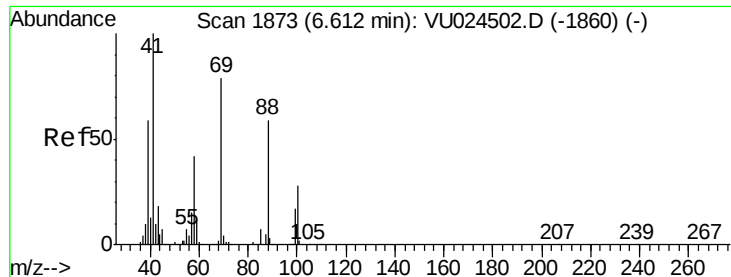


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 1258.111 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

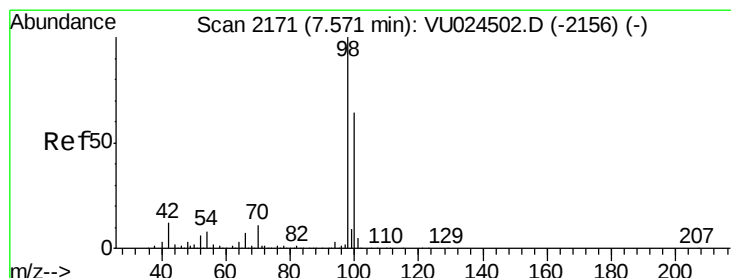
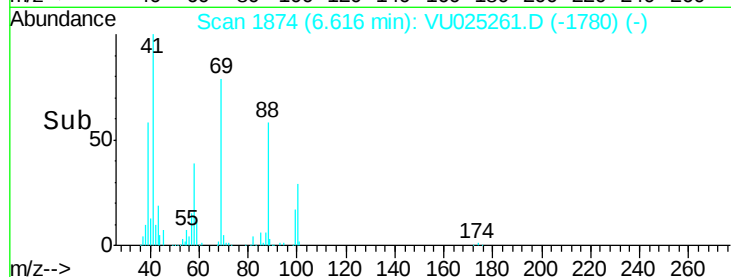
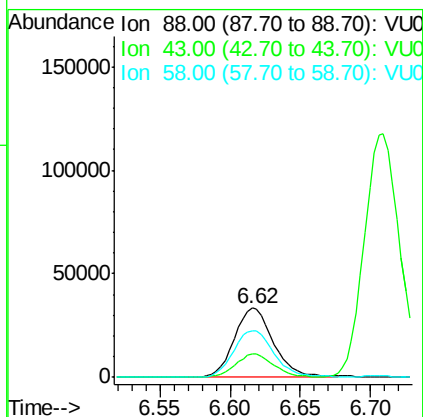
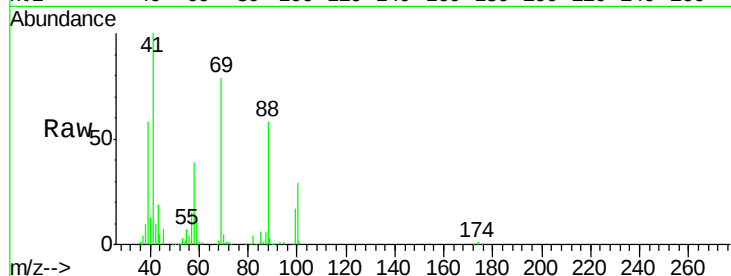
Tot Ion: 88 Resp: 64402

Ion Ratio Lower Upper

88 100

43 33.8 28.6 42.8

58 70.7 58.2 87.4



#50

Toluene-d8

Concen: 48.859 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025261.D

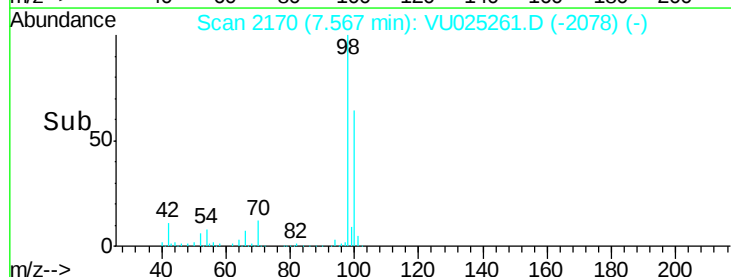
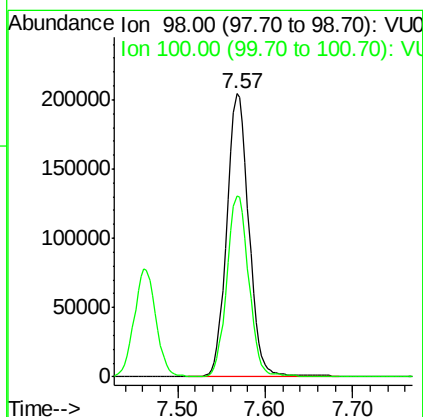
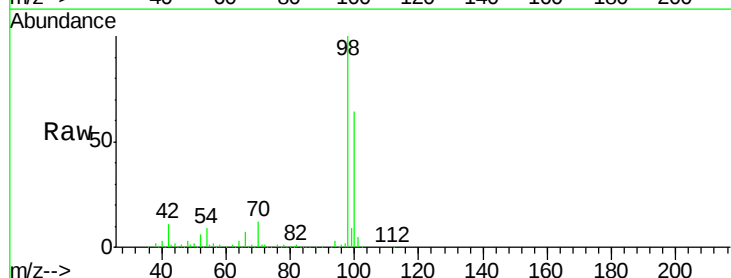
Acq: 06 Jul 2018 23:45

Tgt Ion: 98 Resp: 359142

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

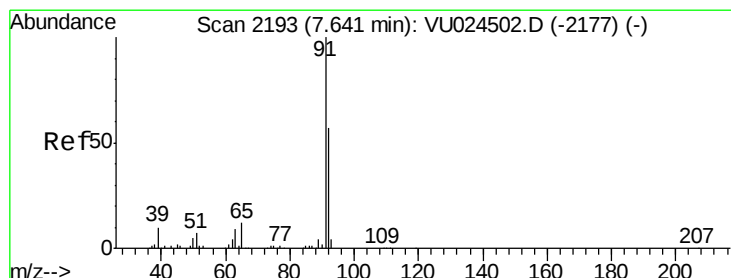
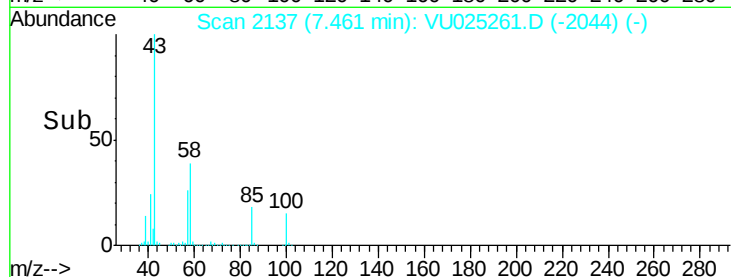
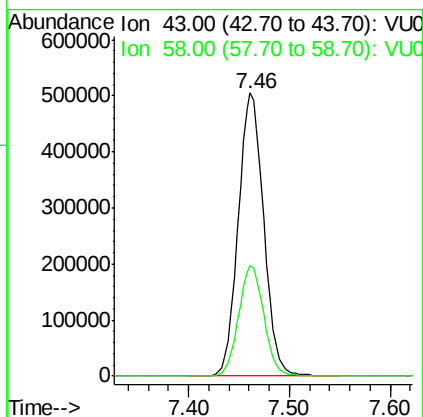
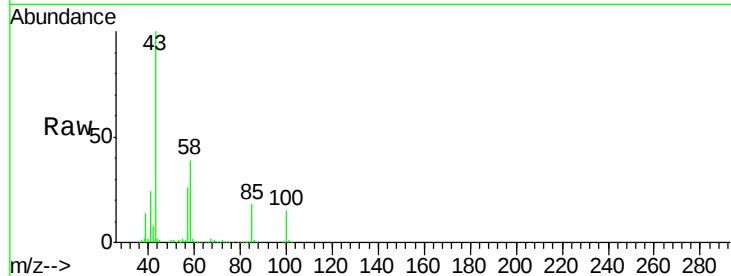




#51
 4-Methyl-2-Pentanone
 Concen: 260.656 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

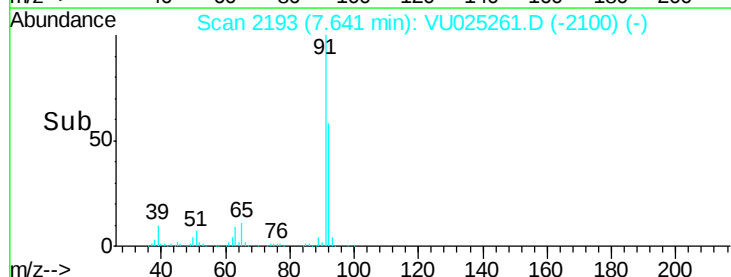
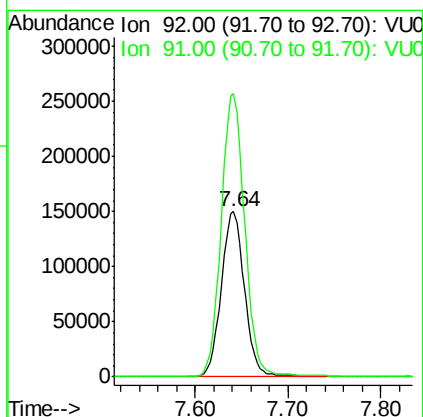
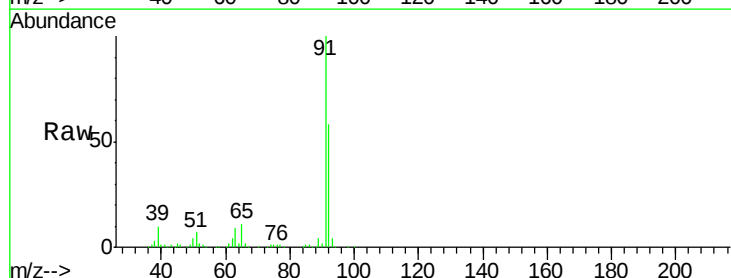
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

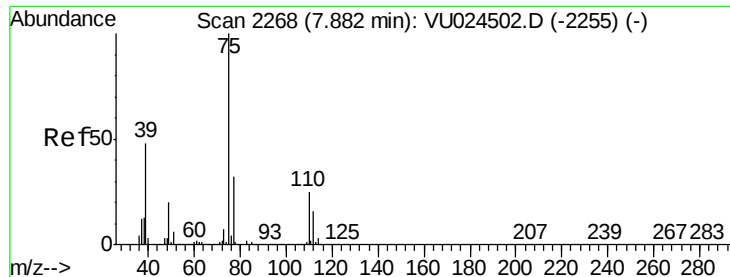
Tot Ion: 43 Resp: 880278
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.0 45.0



#52
 Toluene
 Concen: 49.975 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 92 Resp: 261405
 Ion Ratio Lower Upper
 92 100
 91 173.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 46.956 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

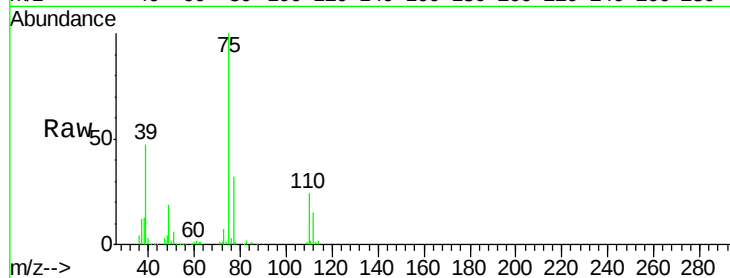
WP021MW470-180628MSD

Tot Ion: 75 Resp: 160003

Ion Ratio Lower Upper

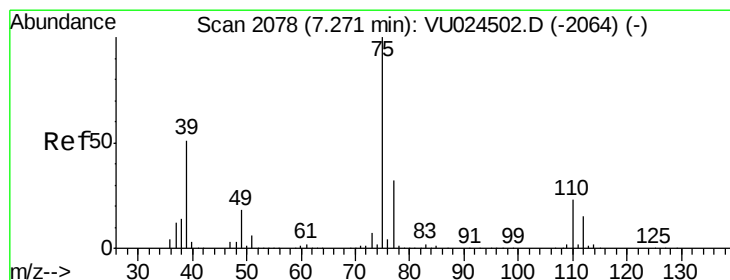
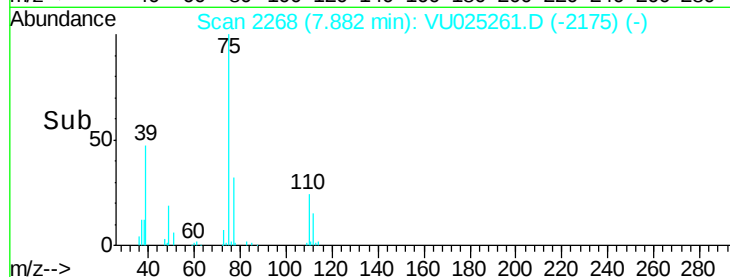
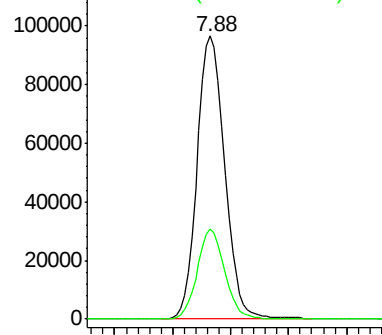
75 100

77 31.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 45.915 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

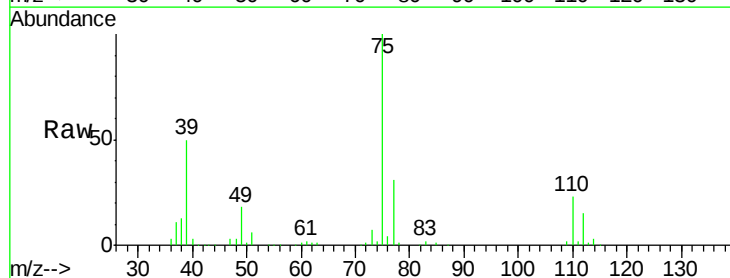
Tgt Ion: 75 Resp: 166711

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

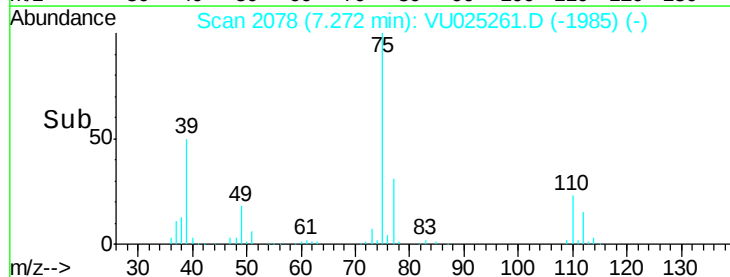
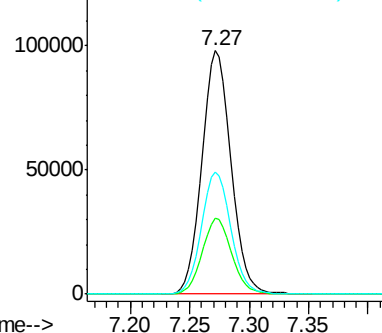
39 50.2 39.8 59.6

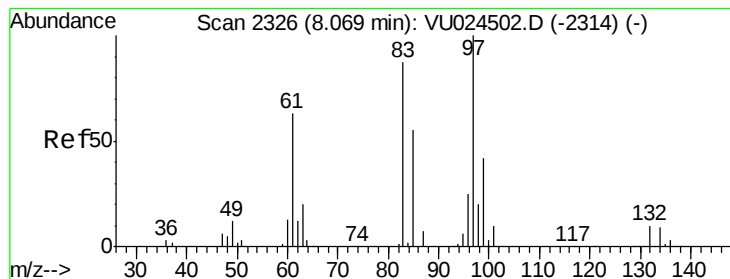


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 51.505 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 97 Resp: 109511

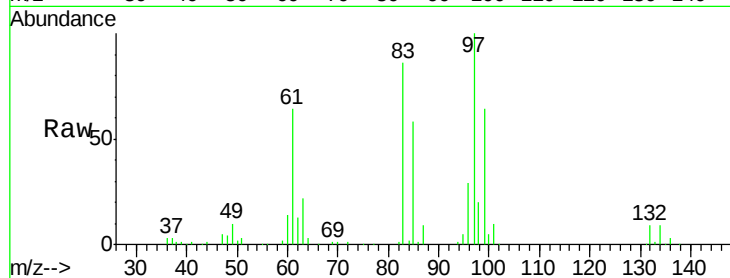
Ion Ratio Lower Upper

97 100

83 86.3 70.5 105.7

85 57.6 46.4 69.6

99 63.9 50.2 75.2

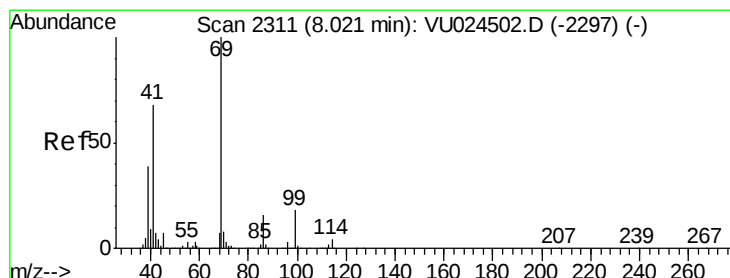
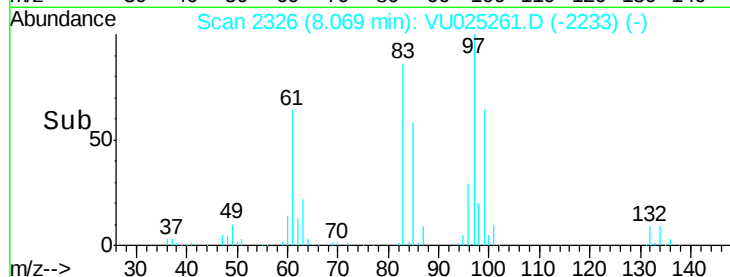
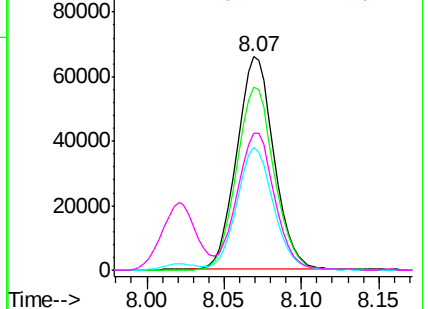


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 50.595 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

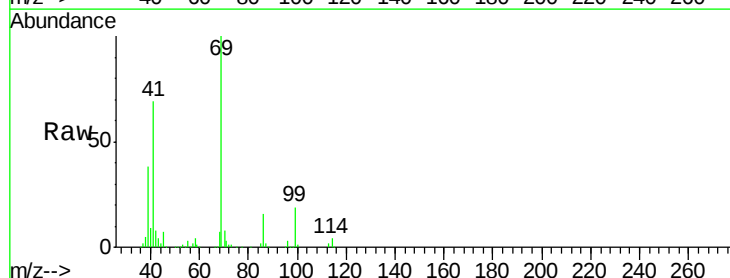
Tgt Ion: 69 Resp: 180055

Ion Ratio Lower Upper

69 100

41 68.5 54.1 81.1

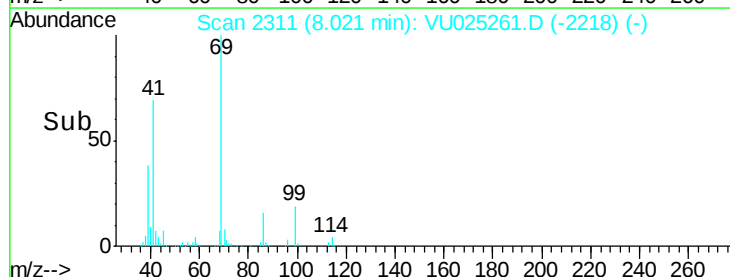
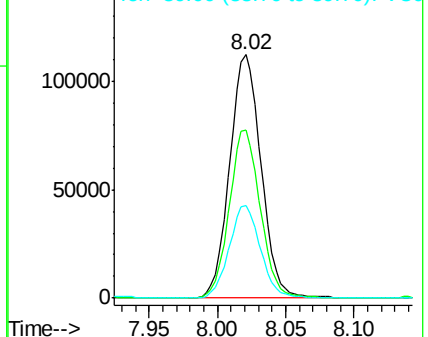
39 37.5 30.3 45.5



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: 52.633 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

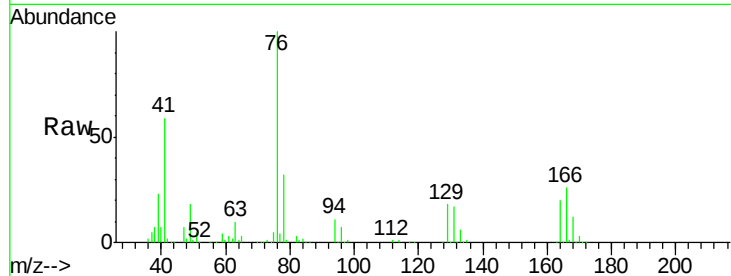
WP021MW470-180628MSD

Tot Ion: 76 Resp: 188783

Ion Ratio Lower Upper

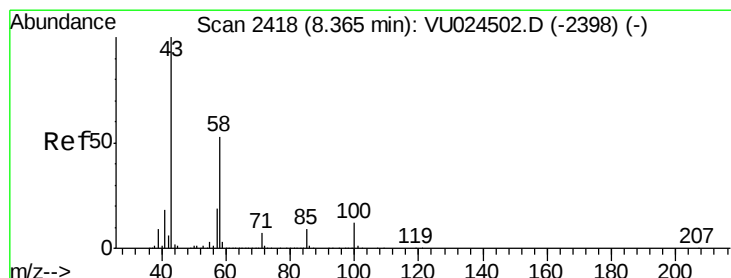
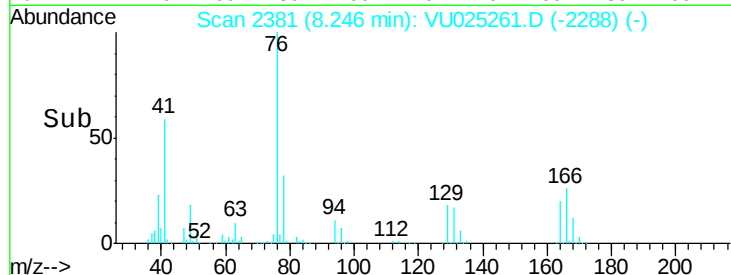
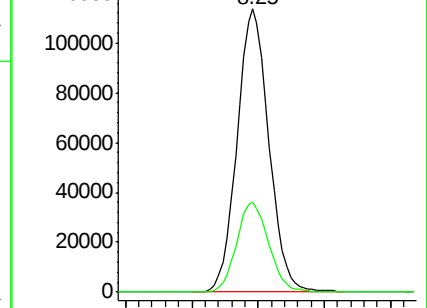
76 100

78 32.3 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 253.199 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025261.D

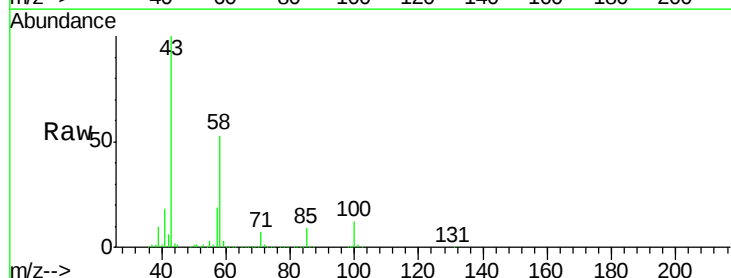
Acq: 06 Jul 2018 23:45

Tgt Ion: 43 Resp: 698104

Ion Ratio Lower Upper

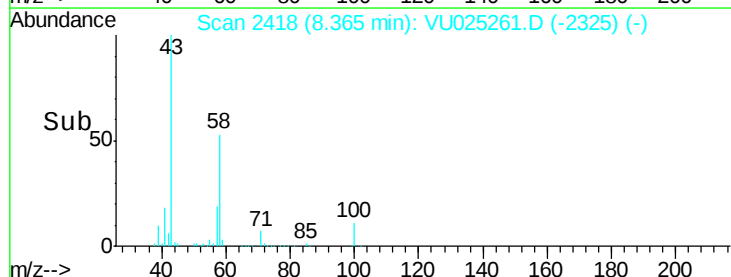
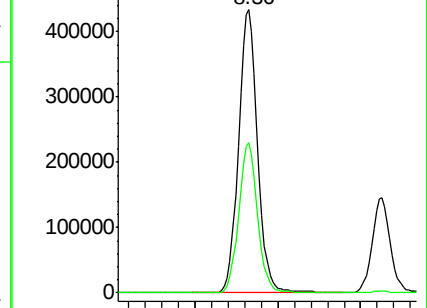
43 100

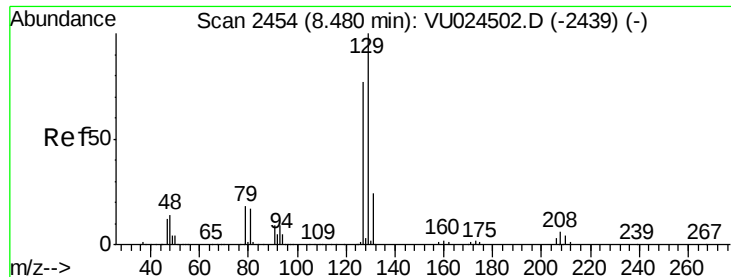
58 52.4 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 47.836 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

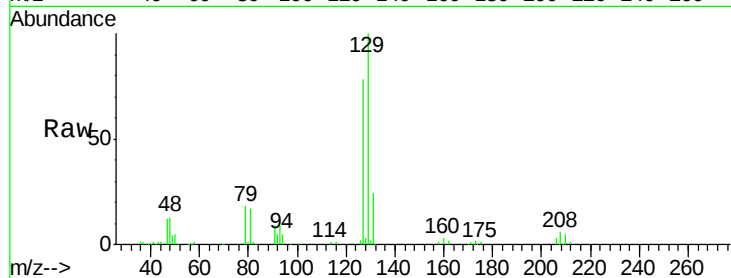
WP021MW470-180628MSD

Tot Ion:129 Resp: 126833

Ion Ratio Lower Upper

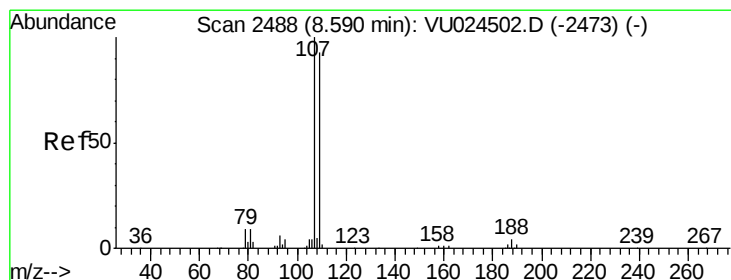
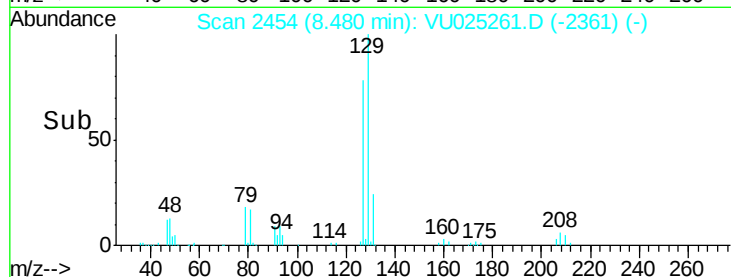
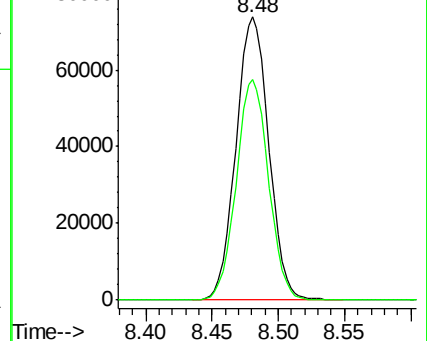
129 100

127 76.7 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: 51.334 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025261.D

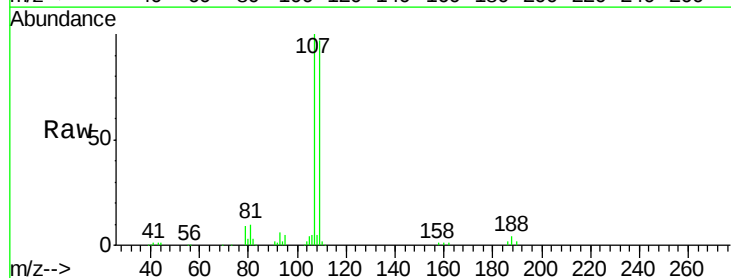
Acq: 06 Jul 2018 23:45

Tgt Ion:107 Resp: 121484

Ion Ratio Lower Upper

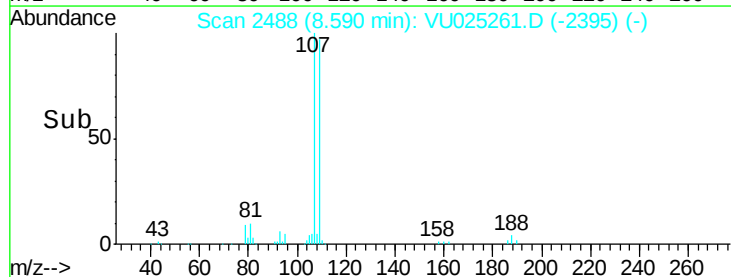
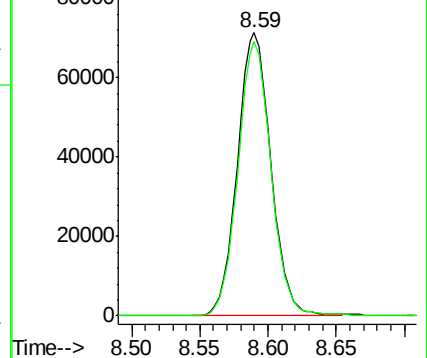
107 100

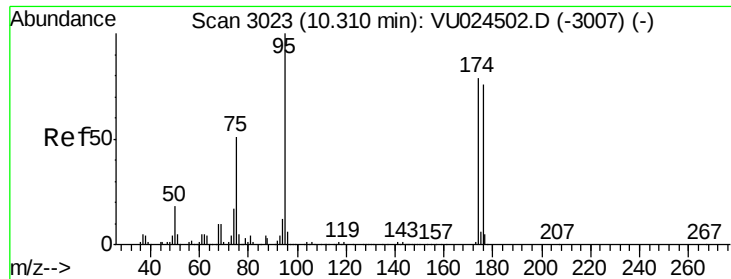
109 95.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

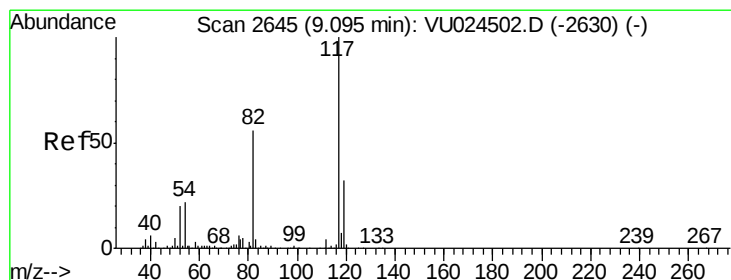
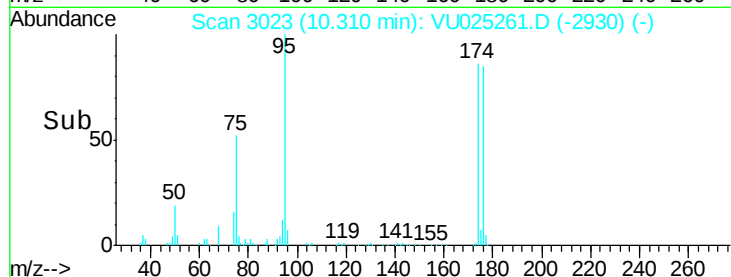
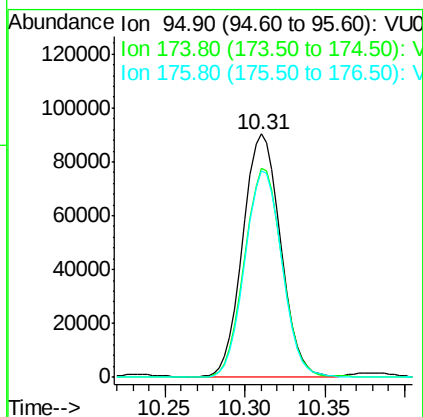
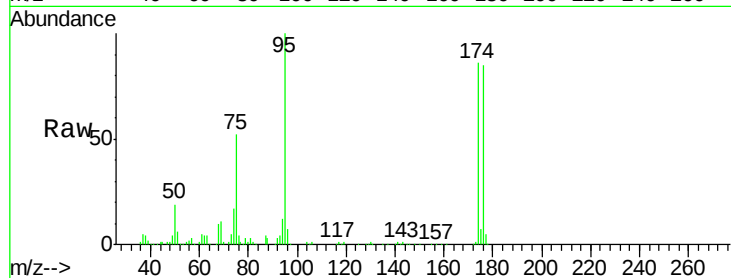




#62
4-Bromofluorobenzene
Concen: 50.079 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

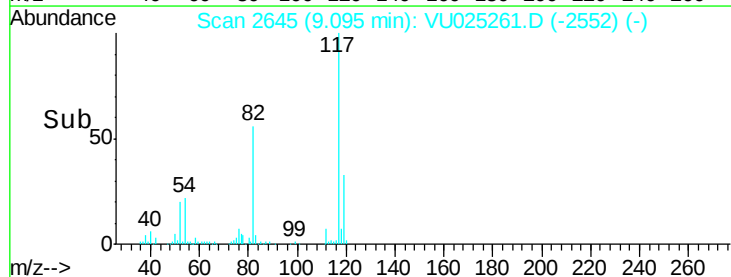
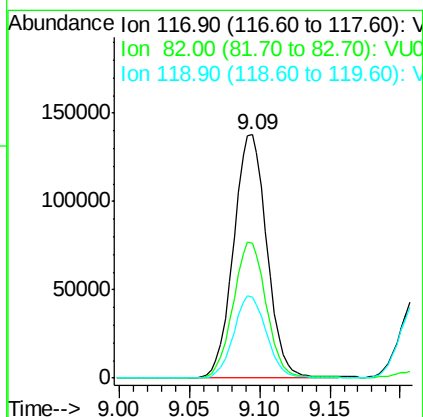
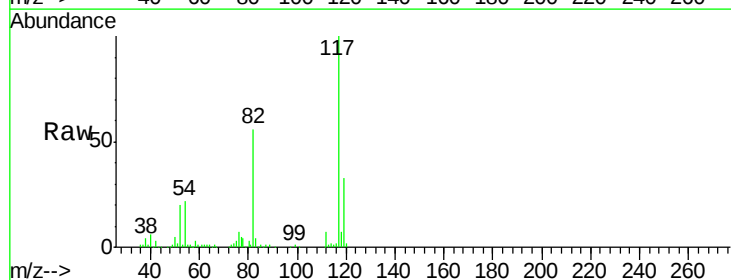
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

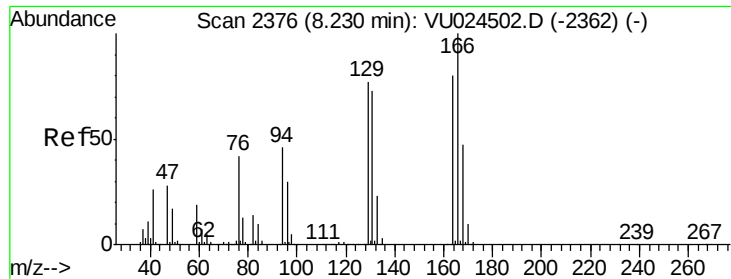
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	165.8
176	83.5	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	33.1	25.4	38.2





#64

Tetrachloroethene

Concen: 44.678 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion:164 Resp: 97000

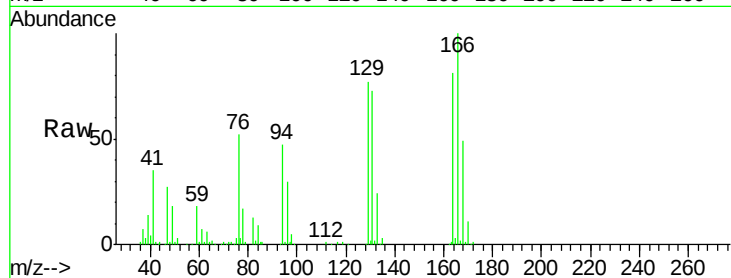
Ion Ratio Lower Upper

164 100

166 122.8 101.7 152.5

129 94.1 76.9 115.3

131 90.1 74.9 112.3

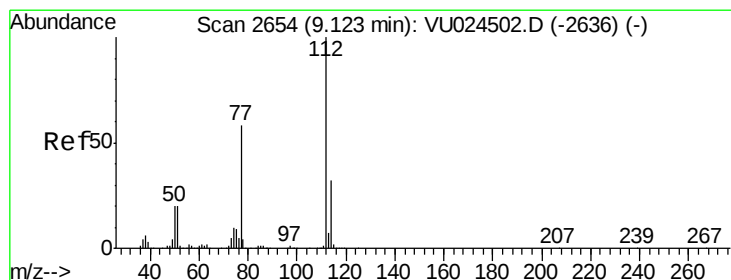
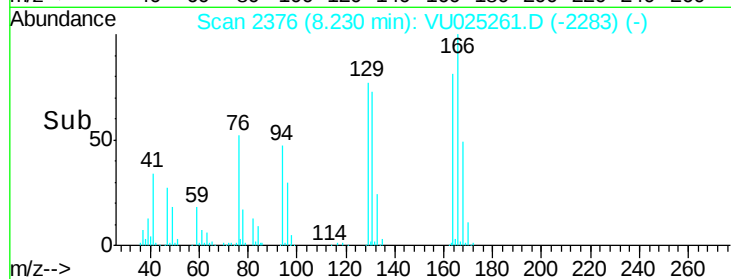
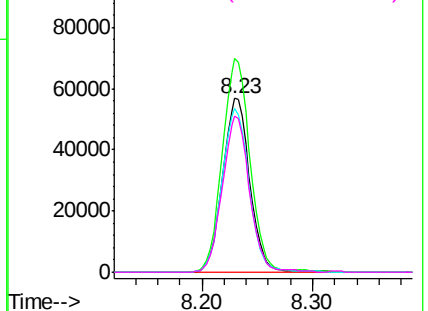


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 83.208 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025261.D

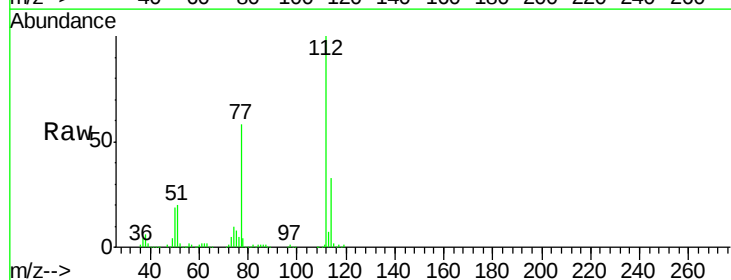
Acq: 06 Jul 2018 23:45

Tgt Ion:112 Resp: 485511

Ion Ratio Lower Upper

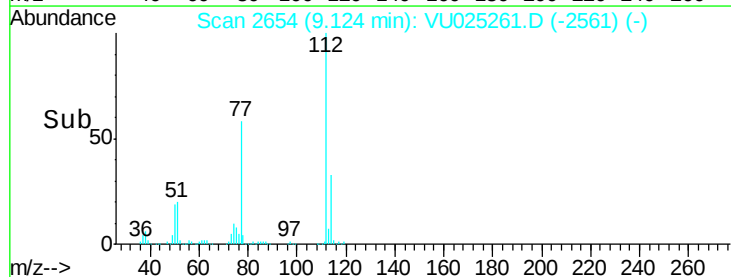
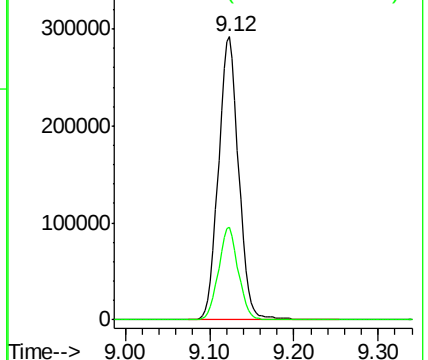
112 100

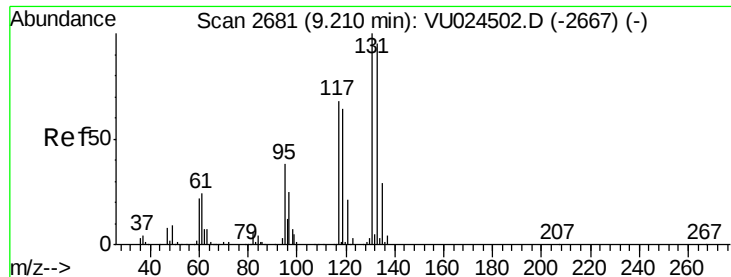
114 32.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.738 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

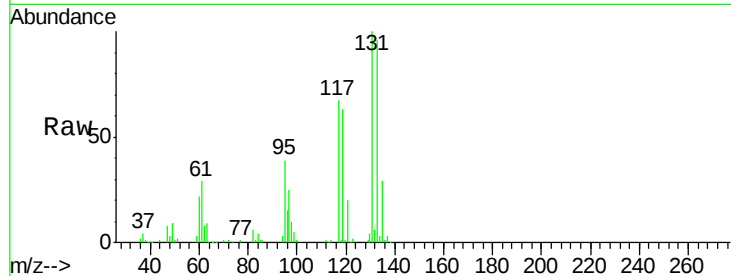
Tot Ion:131 Resp: 112476

Ion Ratio Lower Upper

131 100

133 97.3 46.9 140.8

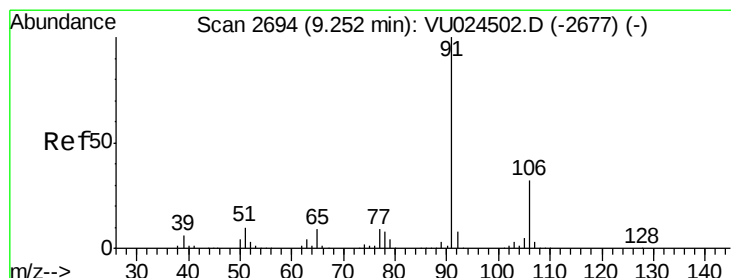
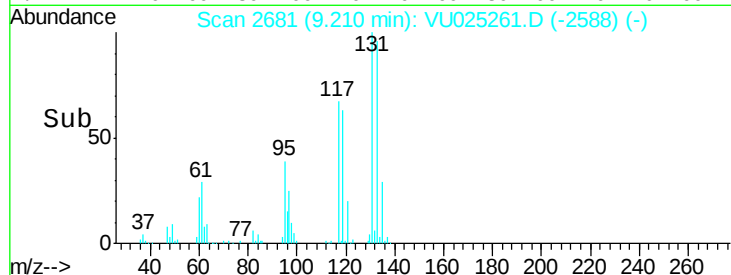
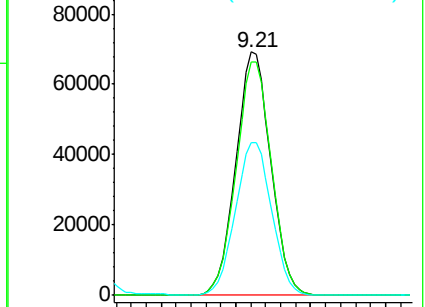
119 65.1 33.5 100.4



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: 49.544 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025261.D

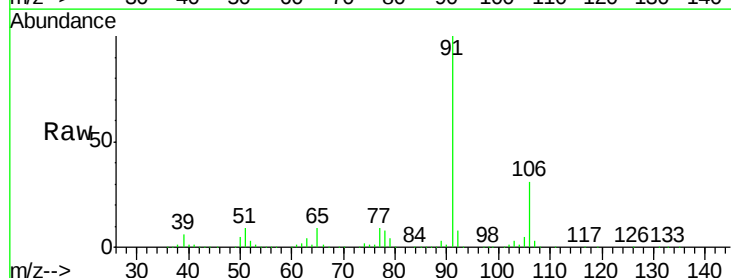
Acq: 06 Jul 2018 23:45

Tgt Ion: 91 Resp: 506786

Ion Ratio Lower Upper

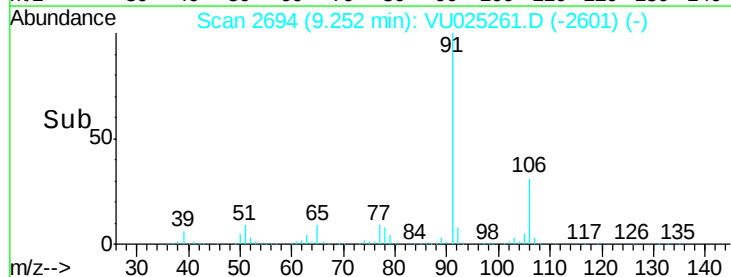
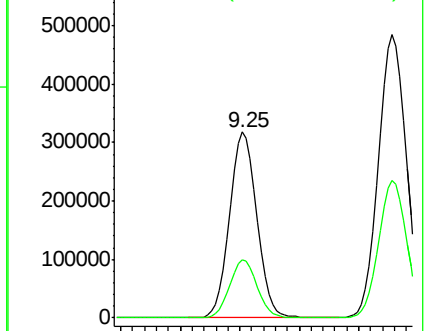
91 100

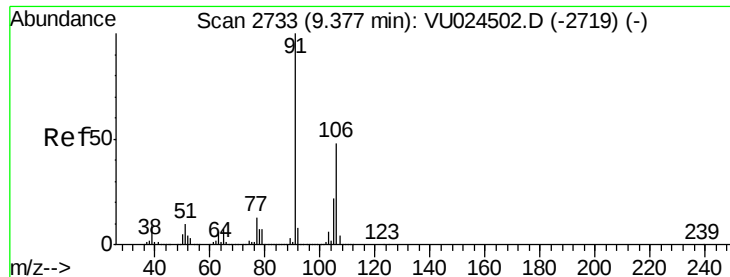
106 31.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 99.351 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

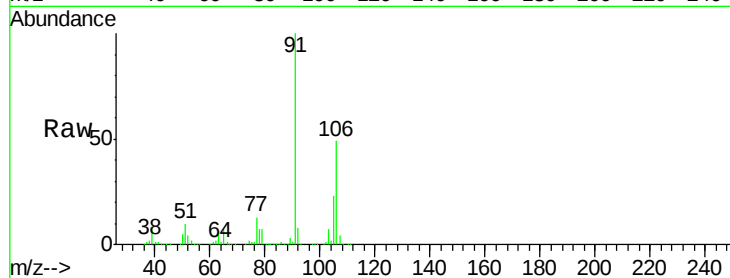
WP021MW470-180628MSD

Tot Ion:106 Resp: 390245

Ion Ratio Lower Upper

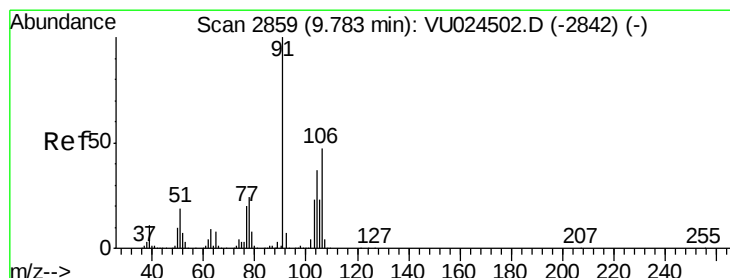
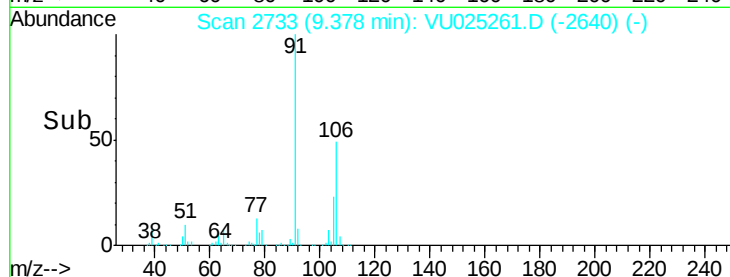
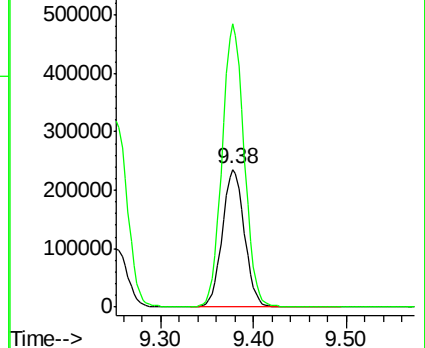
106 100

91 205.1 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 50.923 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025261.D

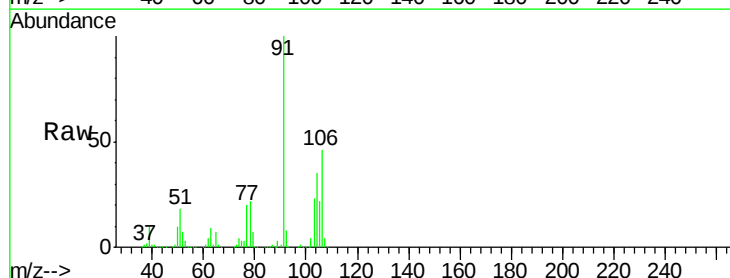
Acq: 06 Jul 2018 23:45

Tgt Ion:106 Resp: 197955

Ion Ratio Lower Upper

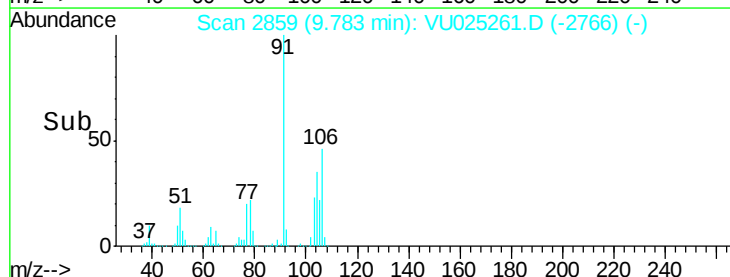
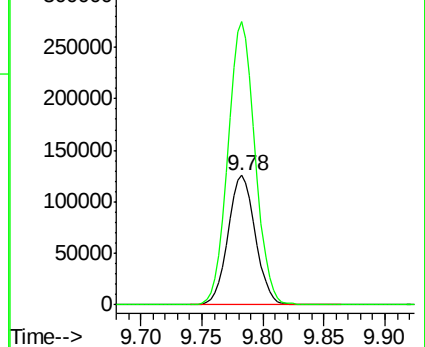
106 100

91 216.5 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

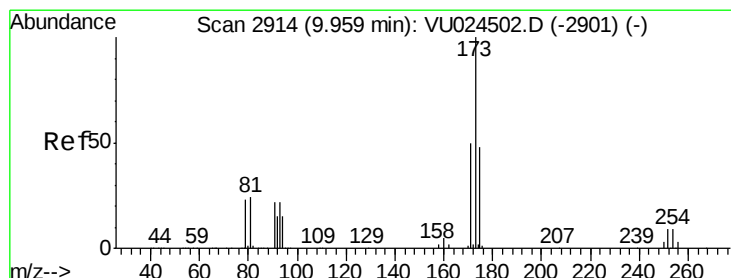
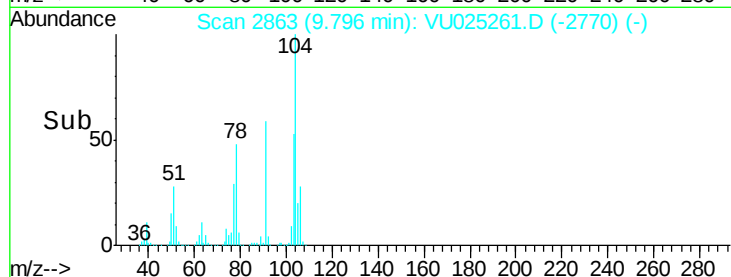
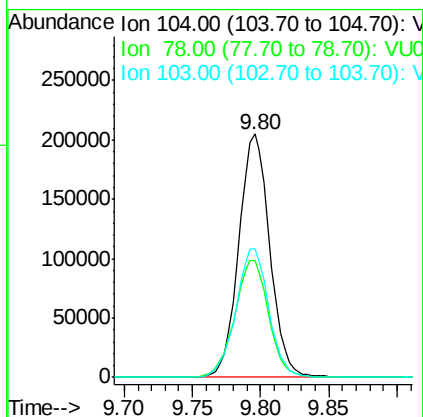
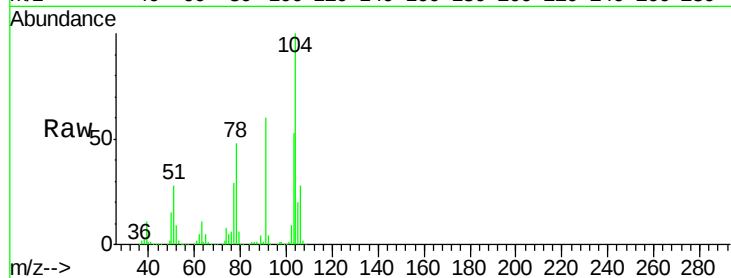




#70
Stvrene
Concen: 50.619 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

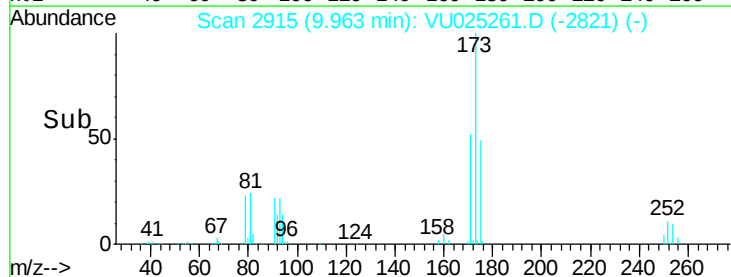
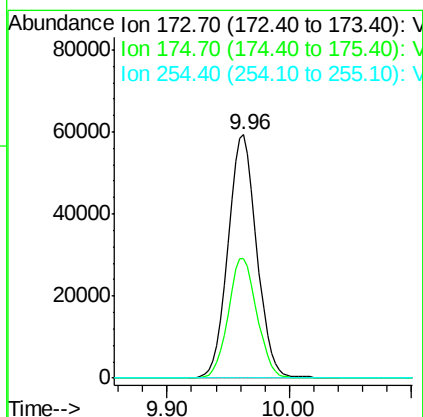
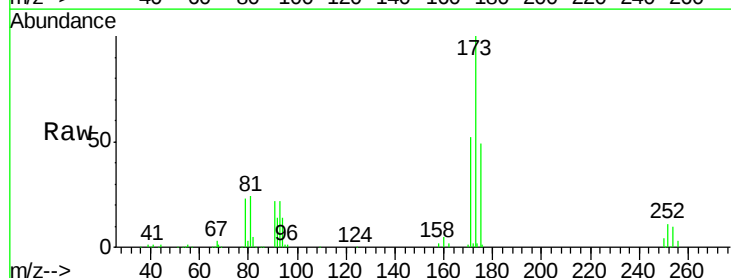
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

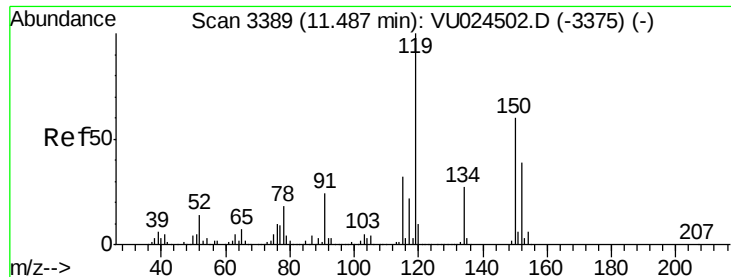
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	40.6	60.8
103	55.9	44.7	67.1



#71
Bromoform
Concen: 46.251 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	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: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

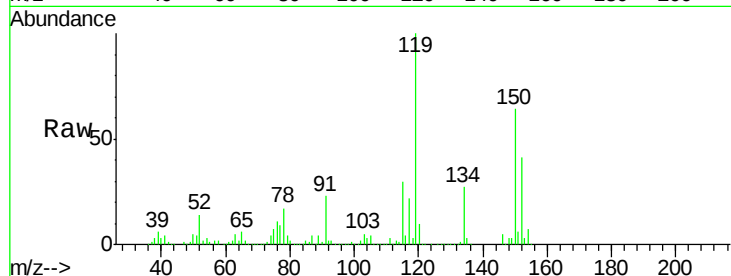
Tot Ion:152 Resp: 137157

Ion Ratio Lower Upper

152 100

115 82.1 43.0 129.0

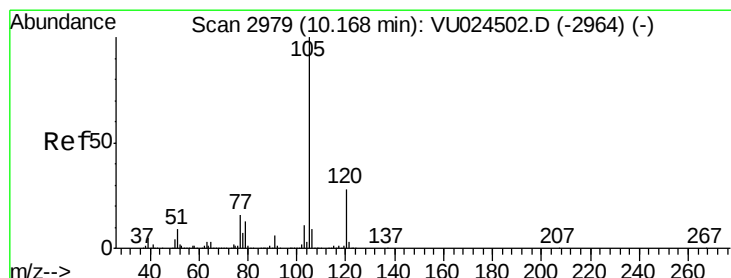
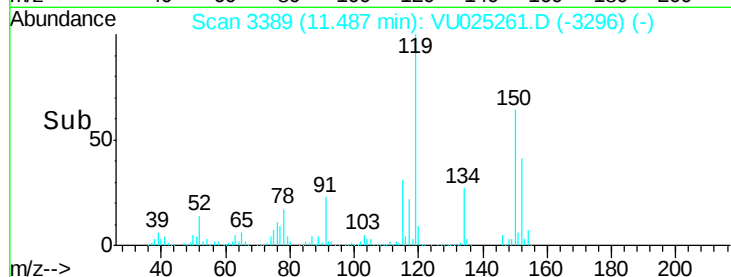
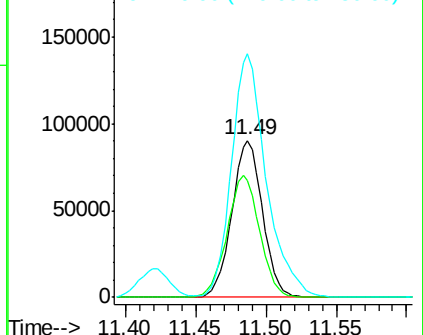
150 176.4 0.0 354.0



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: 49.318 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025261.D

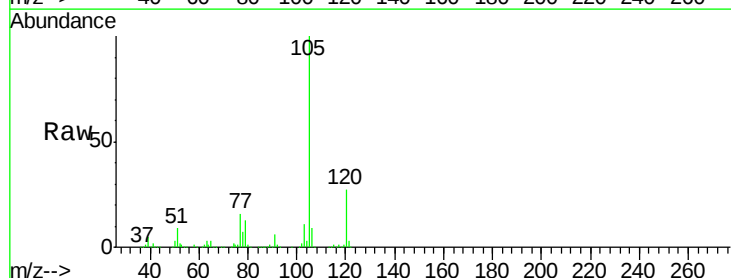
Acq: 06 Jul 2018 23:45

Tgt Ion:105 Resp: 519332

Ion Ratio Lower Upper

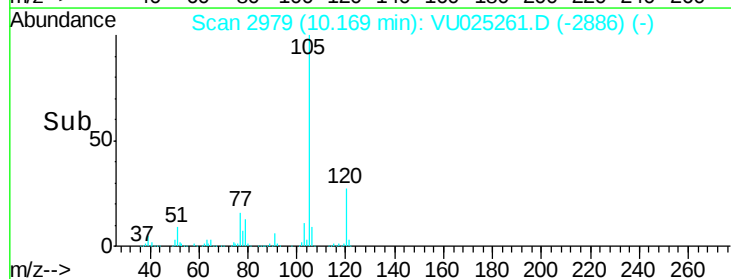
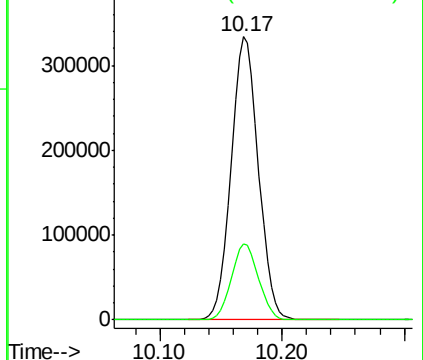
105 100

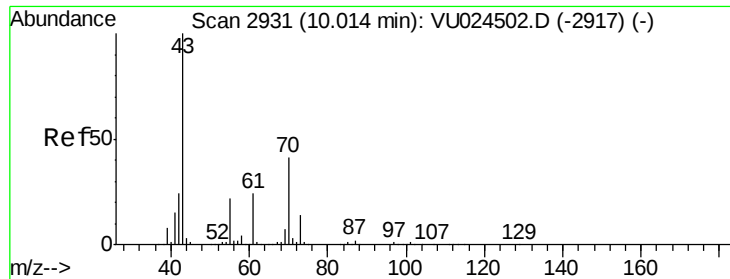
120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.339 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 43 Resp: 227090

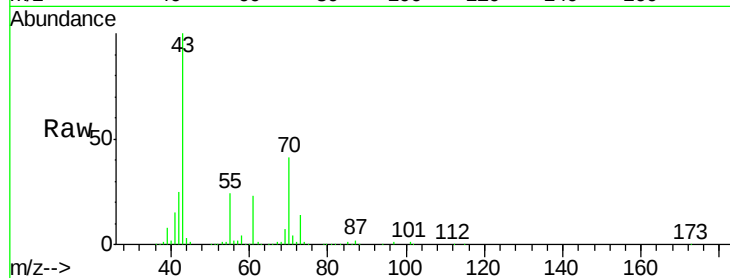
Ion Ratio Lower Upper

43 100

70 41.8 32.2 48.4

55 26.3 20.5 30.7

61 23.5 18.7 28.1

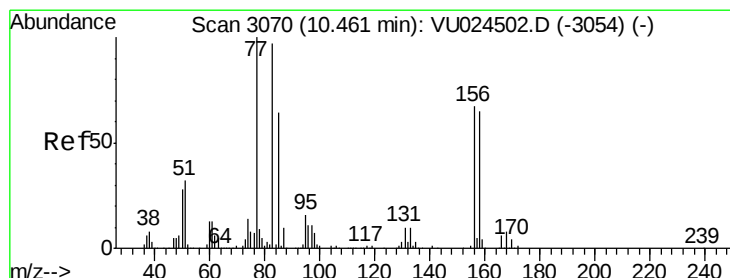
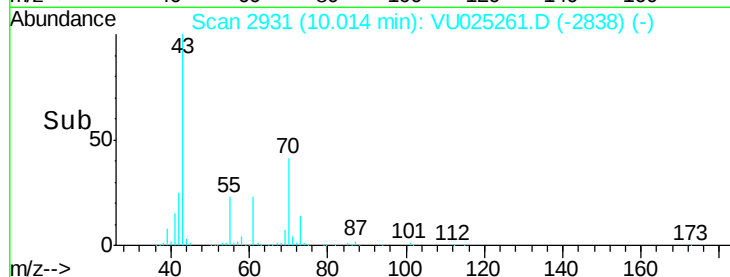
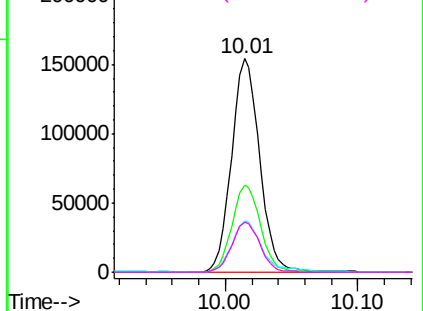


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.060 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

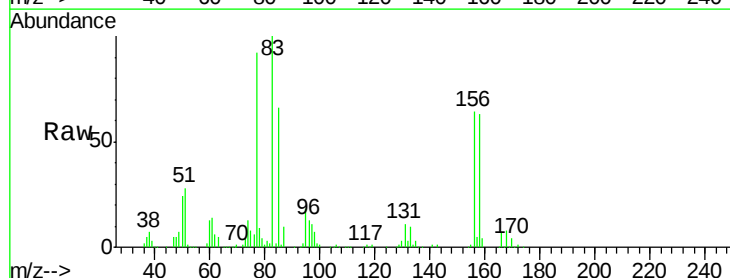
Tgt Ion: 83 Resp: 190764

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

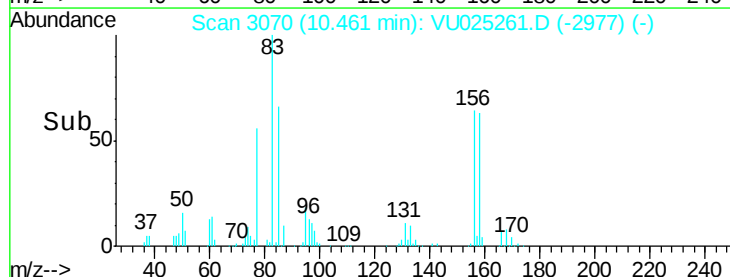
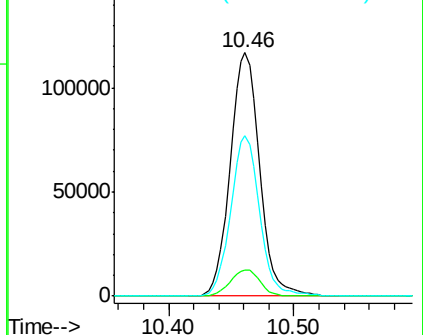
85 64.6 32.5 97.5

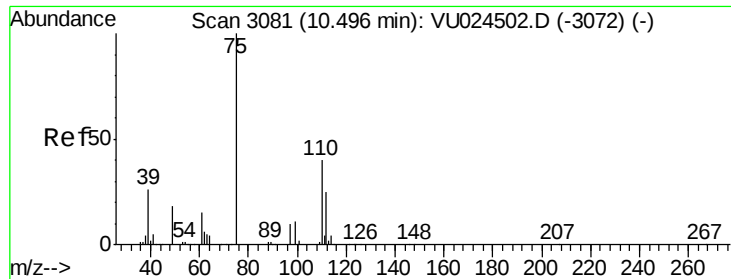


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

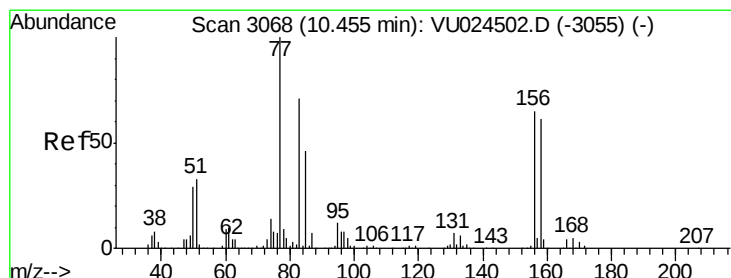
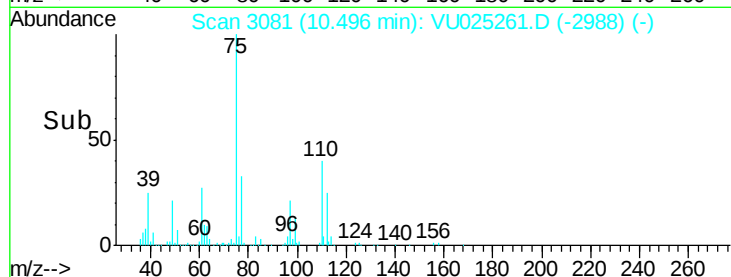
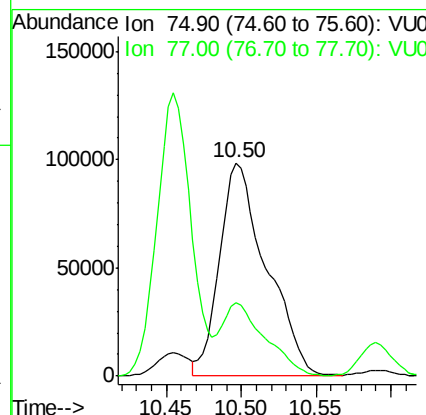
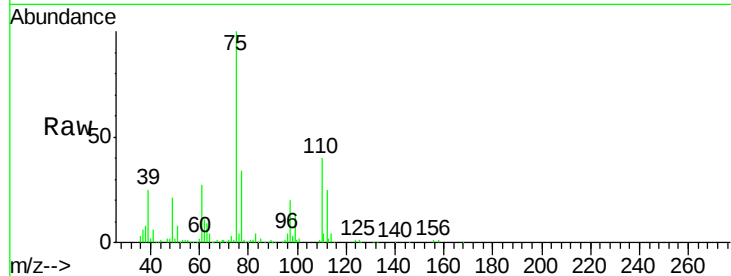




#76
 1,2,3-Trichloropropane
 Concen: 71.329 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

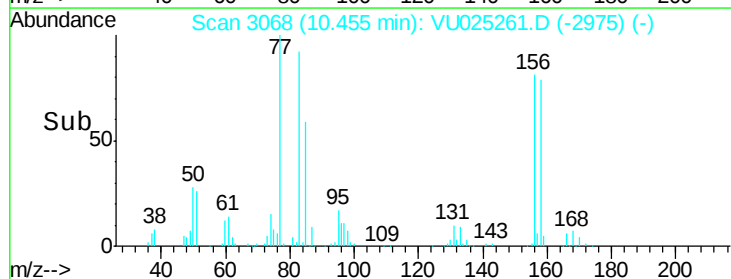
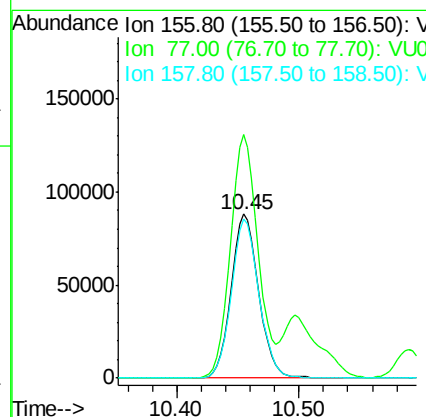
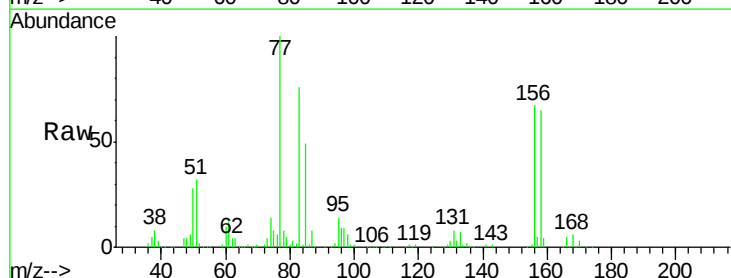
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

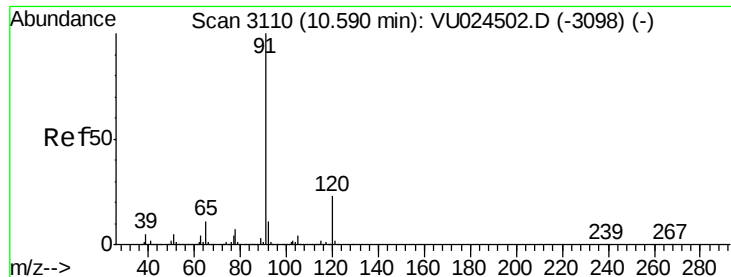
Tot Ion: 75 Resp: 215391
 Ion Ratio Lower Upper
 75 100
 77 32.1 20.9 62.7



#77
 Bromobenzene
 Concen: 52.130 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 156 Resp: 138974
 Ion Ratio Lower Upper
 156 100
 77 148.8 80.5 241.3
 158 97.4 48.2 144.6





#78

n-propylbenzene

Concen: 47.257 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

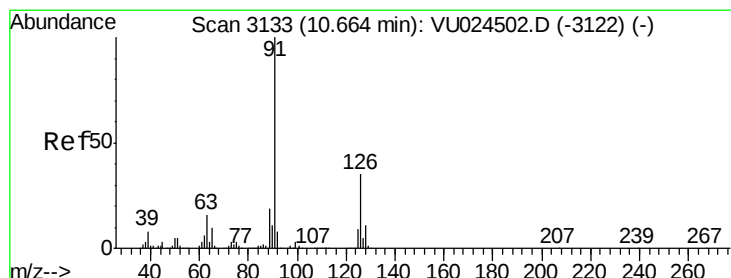
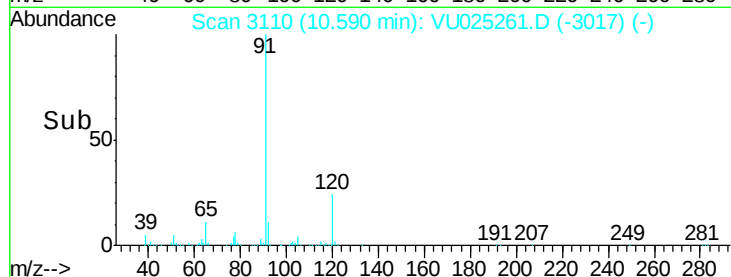
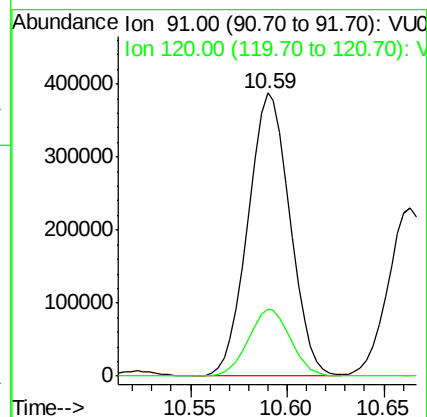
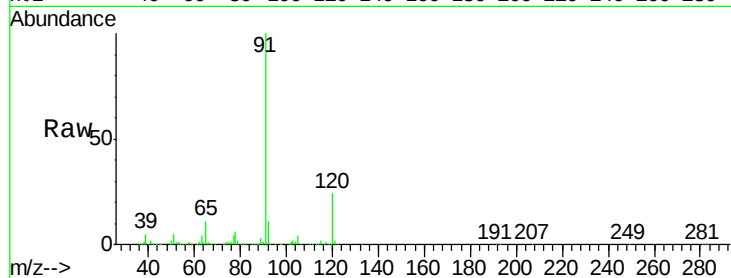
WP021MW470-180628MSD

Tot Ion: 91 Resp: 586208

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 49.041 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025261.D

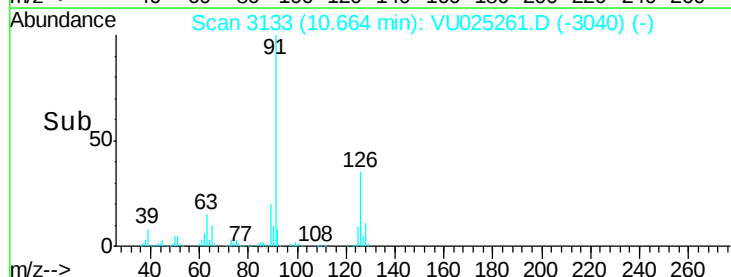
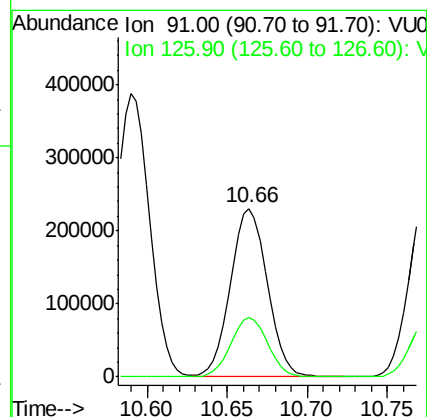
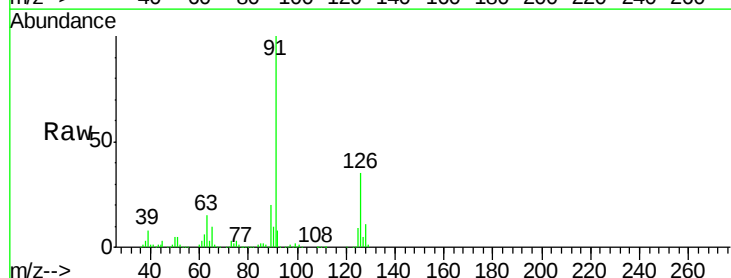
Acq: 06 Jul 2018 23:45

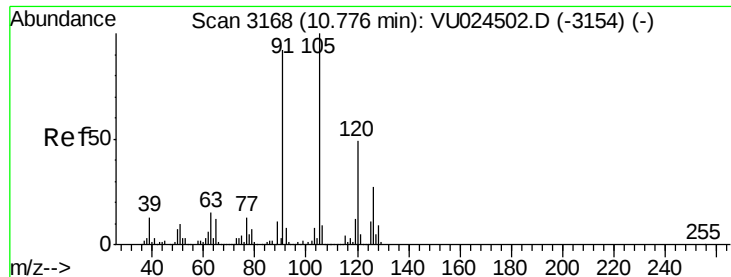
Tgt Ion: 91 Resp: 358742

Ion Ratio Lower Upper

91 100

126 35.7 16.9 50.7

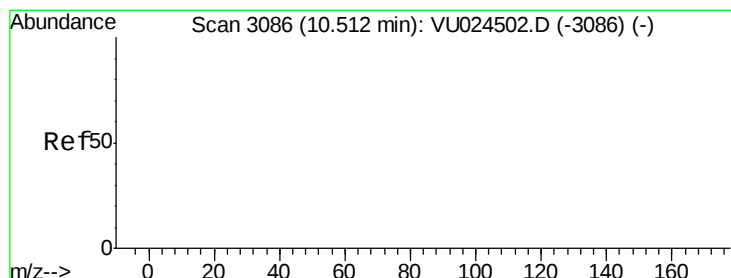
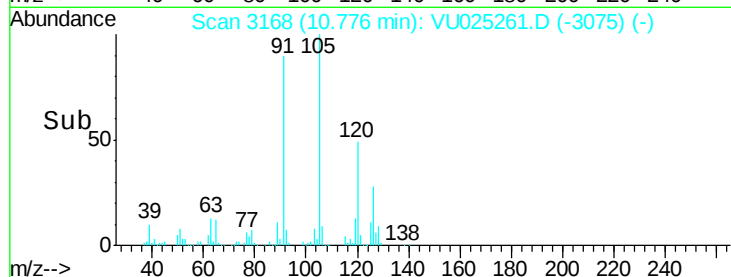
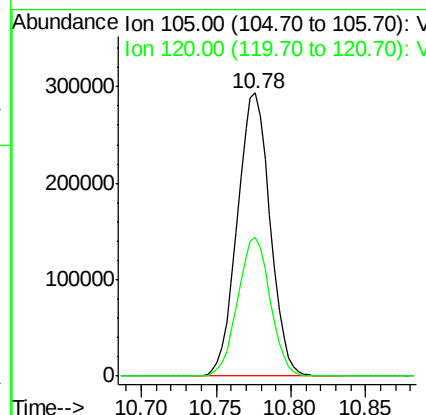
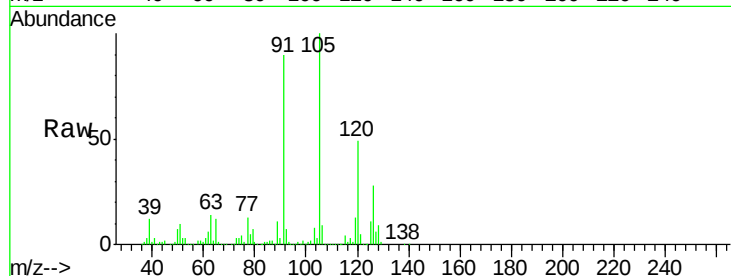




#80
 1,3,5-Trimethylbenzene
 Concen: 49.057 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

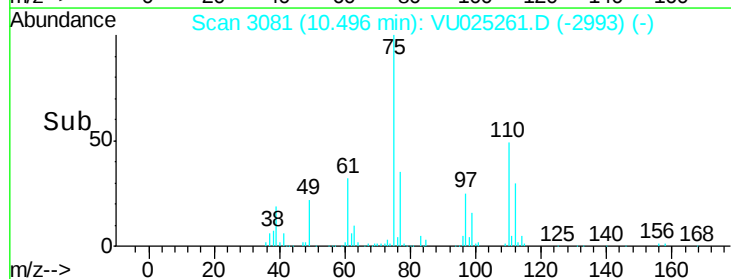
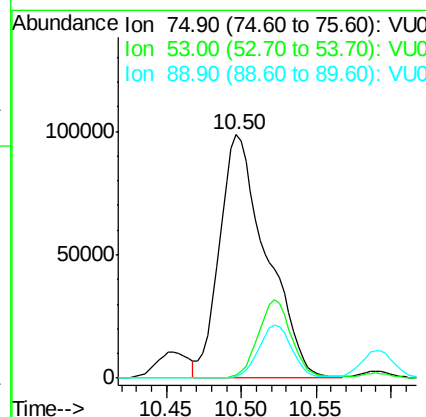
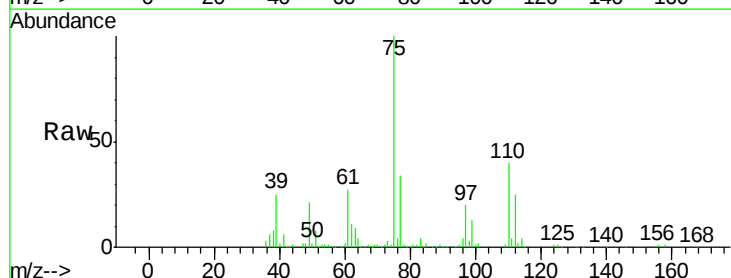
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

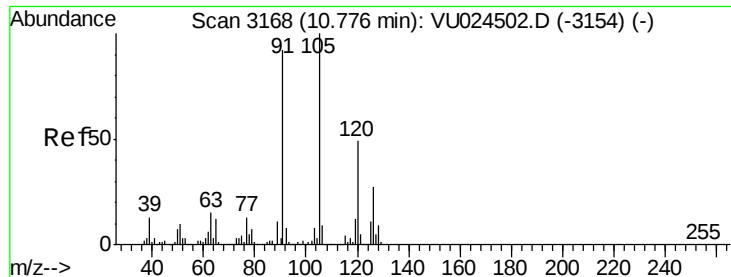
Tot Ion:105 Resp: 447749
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.084 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.02 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 75 Resp: 215391
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 47.894 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

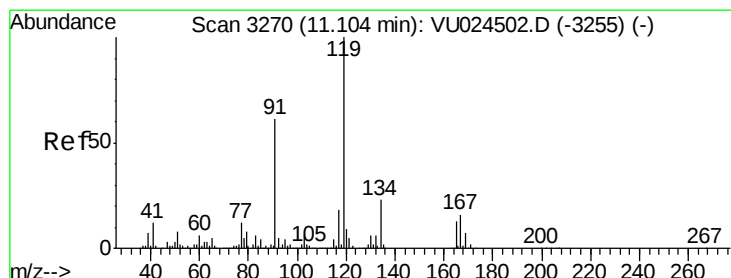
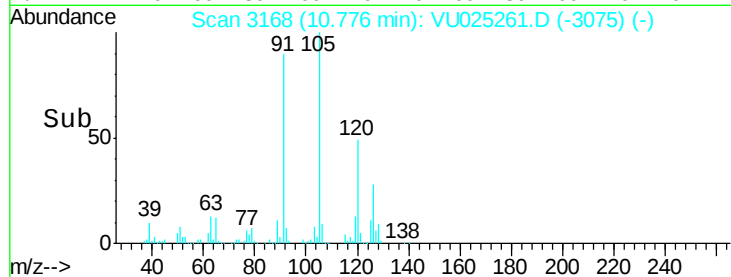
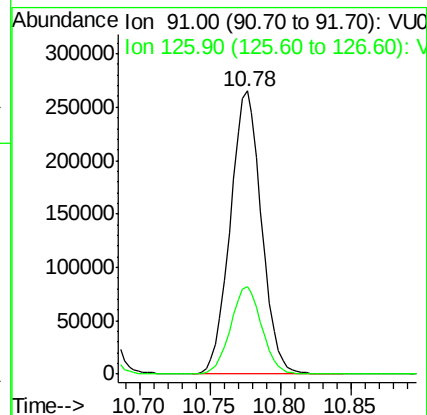
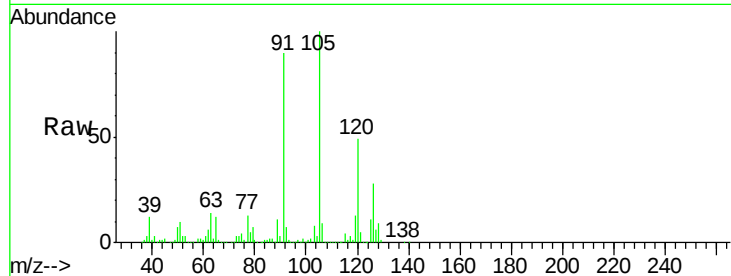
WP021MW470-180628MSD

Tot Ion: 91 Resp: 407780

Ion Ratio Lower Upper

91 100

126 31.0 14.9 44.9



#83

tert-Butylbenzene

Concen: 52.810 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

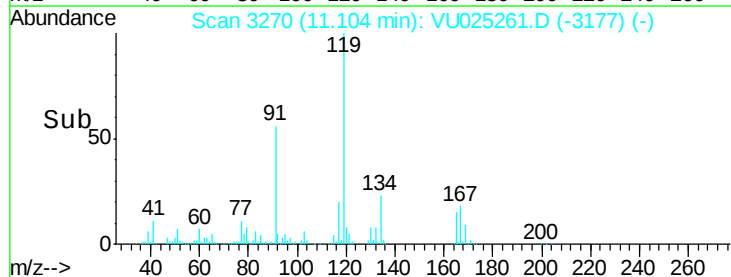
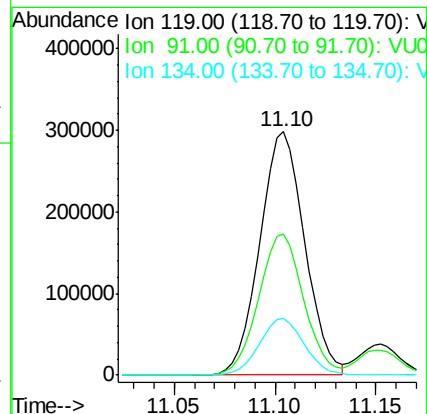
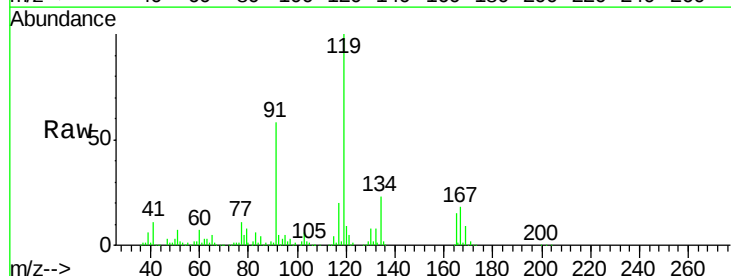
Tgt Ion: 119 Resp: 463651

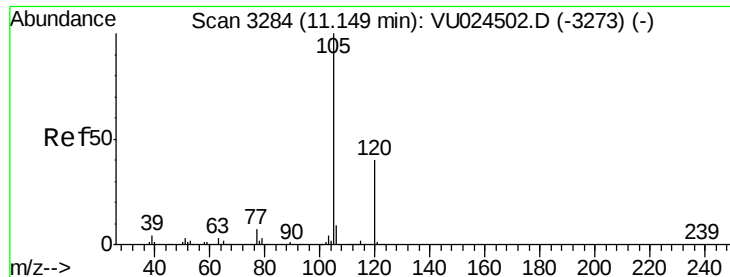
Ion Ratio Lower Upper

119 100

91 58.2 29.7 89.1

134 23.3 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 49.450 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

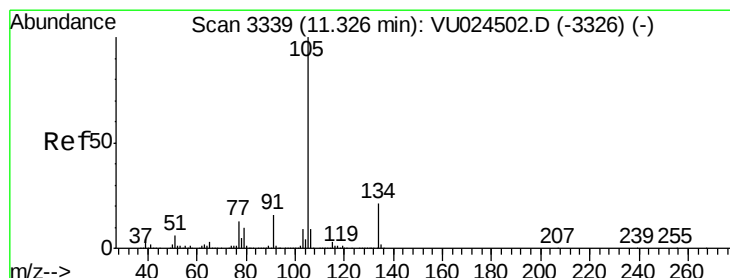
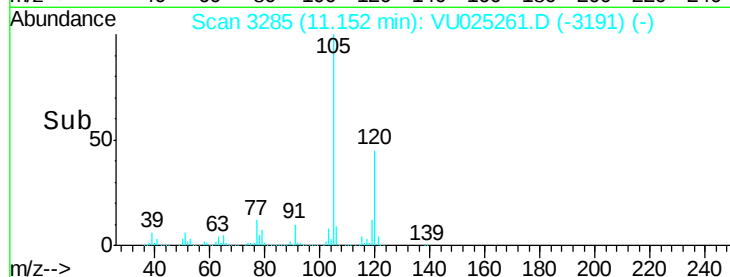
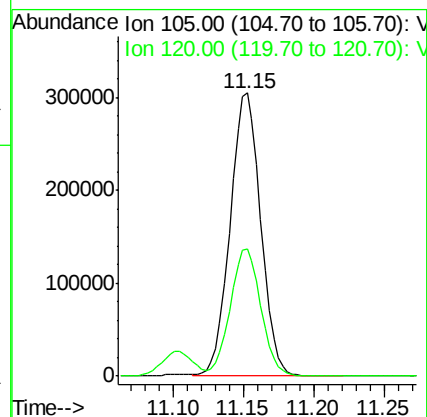
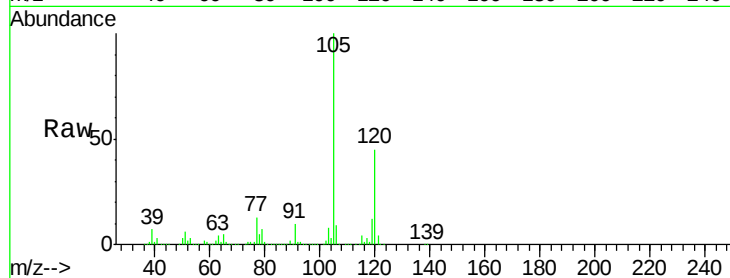
WP021MW470-180628MSD

Tot Ion:105 Resp: 459954

Ion Ratio Lower Upper

105 100

120 45.3 22.6 67.8



#85

sec-Butylbenzene

Concen: 50.202 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025261.D

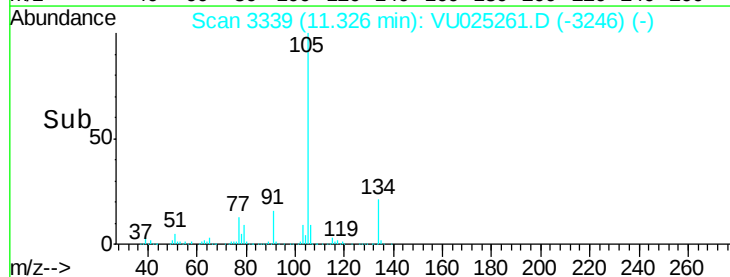
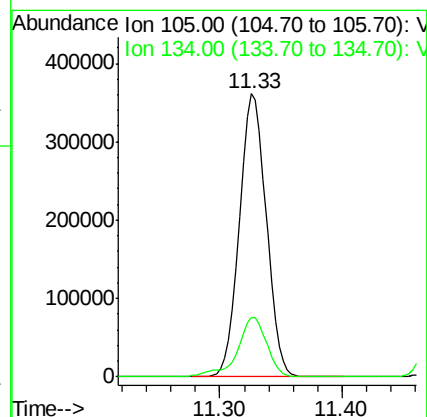
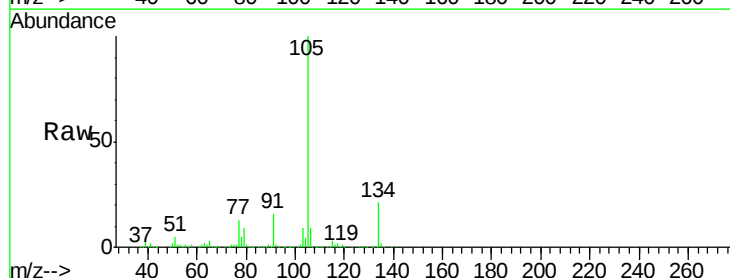
Acq: 06 Jul 2018 23:45

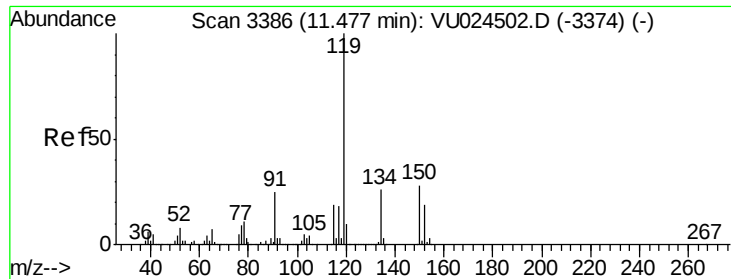
Tgt Ion:105 Resp: 551705

Ion Ratio Lower Upper

105 100

134 23.0 9.7 29.1

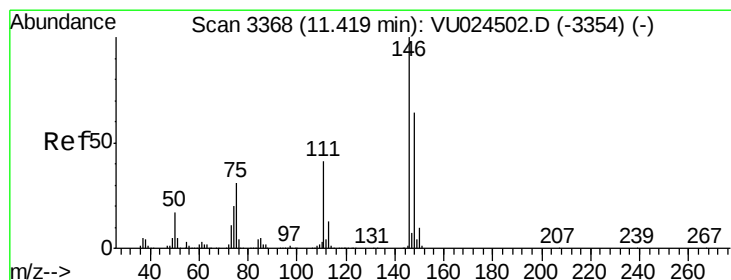
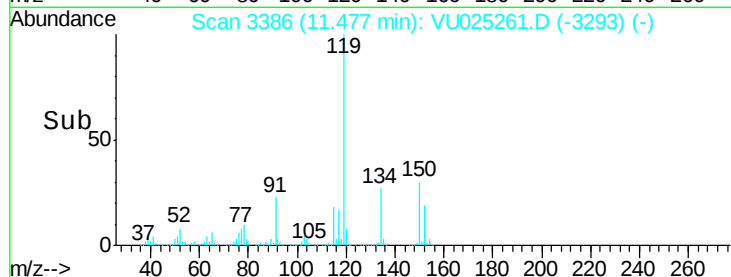
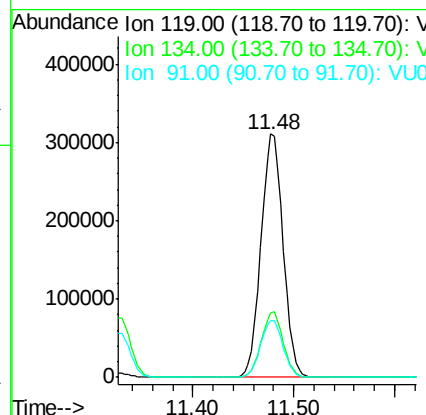
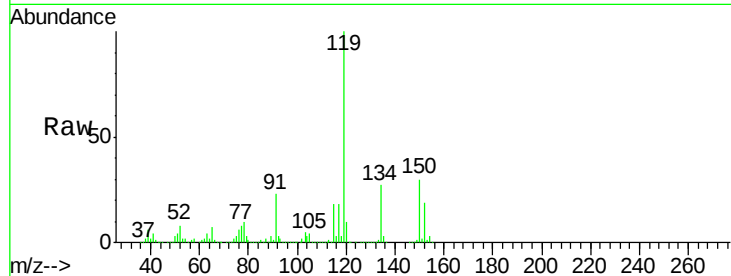




#86
p-Isopropyltoluene
Concen: 47.750 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

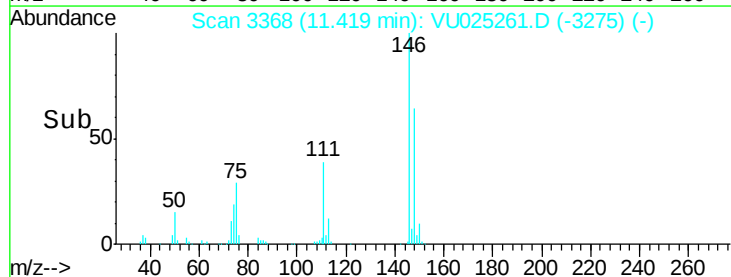
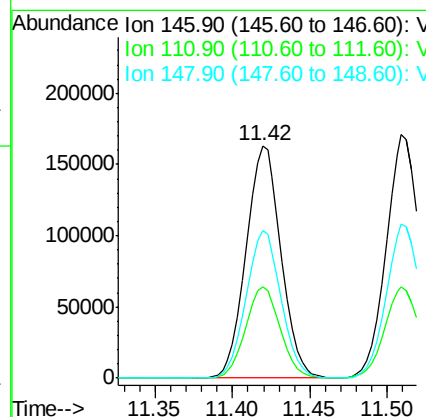
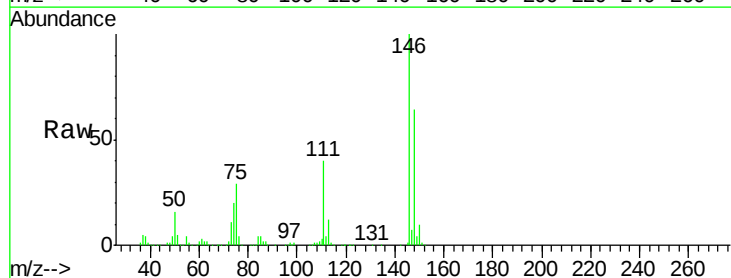
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

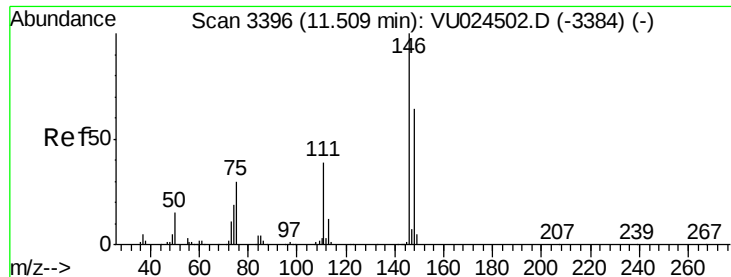
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.6
91	23.7	12.0	36.1



#87
1,3-Dichlorobenzene
Concen: 51.879 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	63.5	32.1	96.5

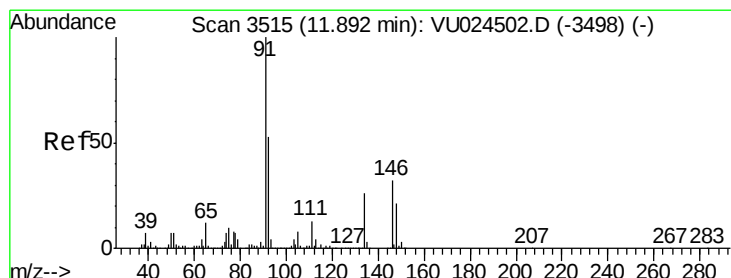
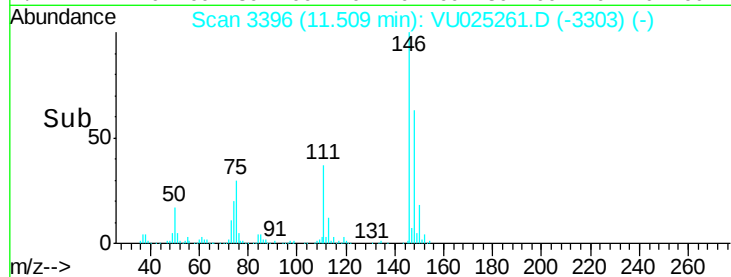
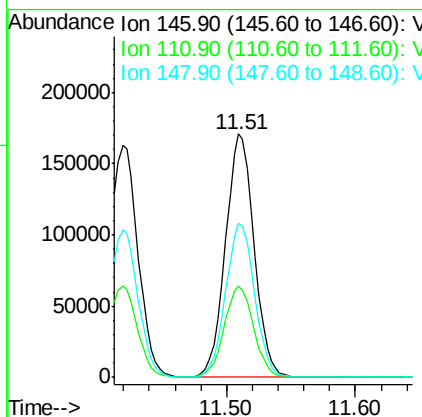
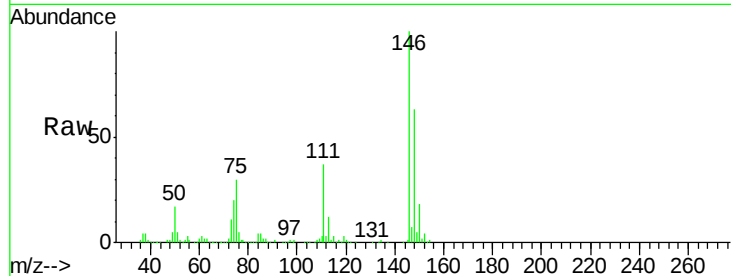




#88
 1,4-Dichlorobenzene
 Concen: 52.804 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

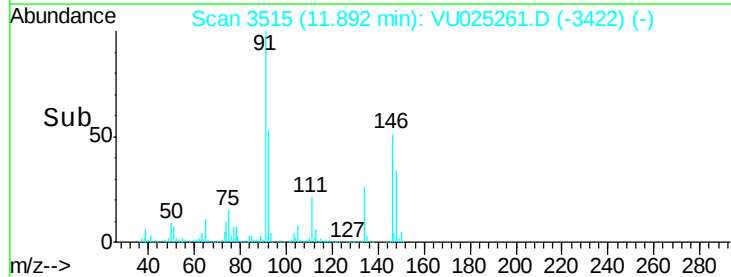
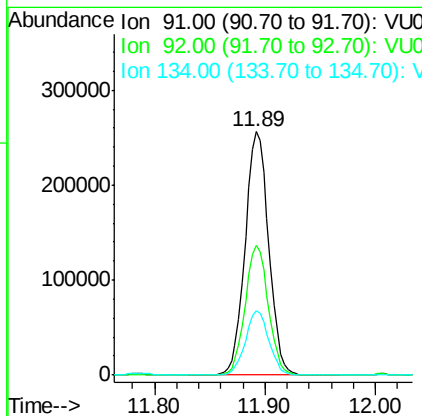
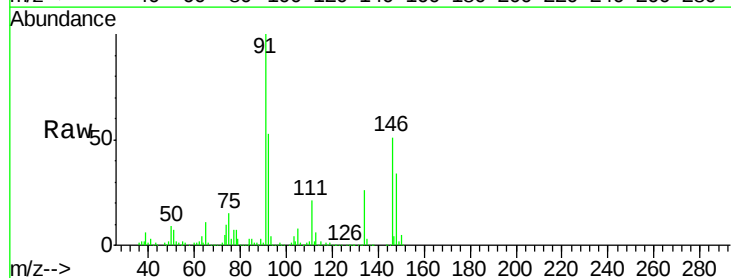
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

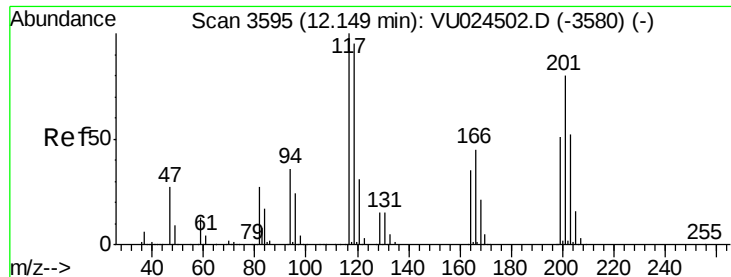
Tot Ion:146 Resp: 261767
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.5 58.5
 148 63.9 32.4 97.0



#89
 n-Butylbenzene
 Concen: 43.169 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 91 Resp: 377228
 Ion Ratio Lower Upper
 91 100
 92 52.4 25.6 76.8
 134 26.3 12.3 36.8





#90

Hexachloroethane

Concen: 41.087 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

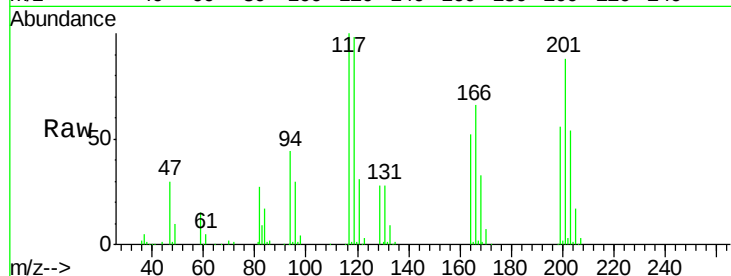
WP021MW470-180628MSD

Tot Ion:117 Resp: 78889

Ion Ratio Lower Upper

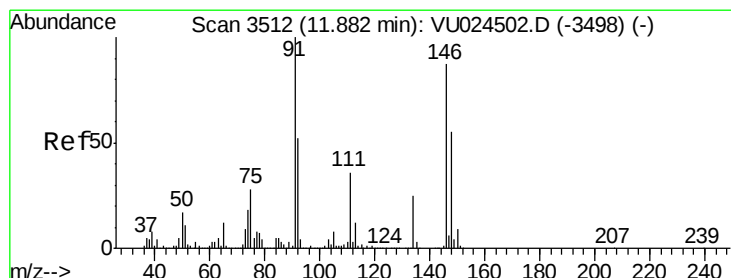
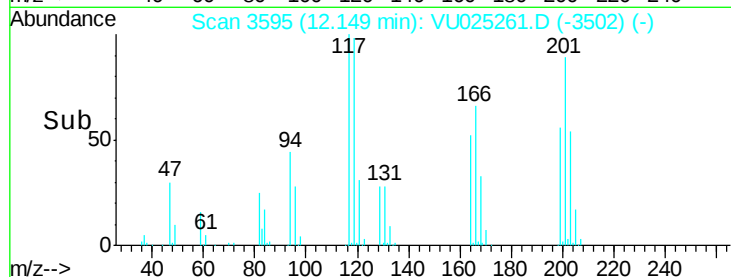
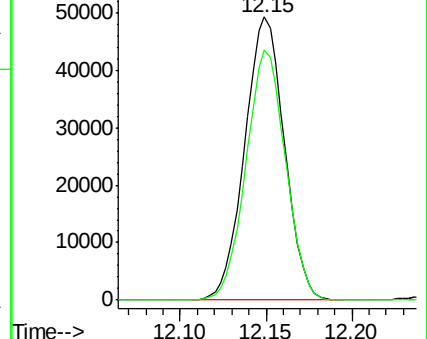
117 100

201 87.6 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: 65.096 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

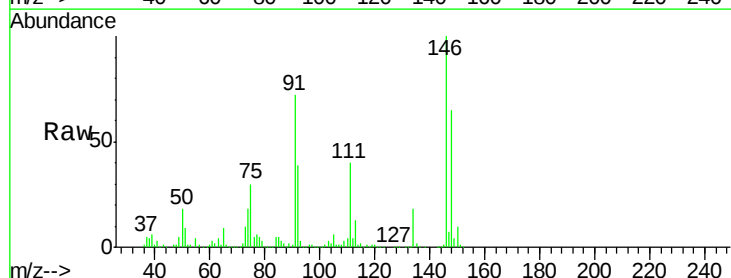
Tgt Ion:146 Resp: 321137

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.6

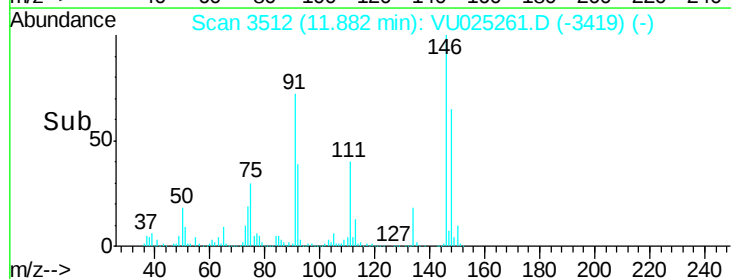
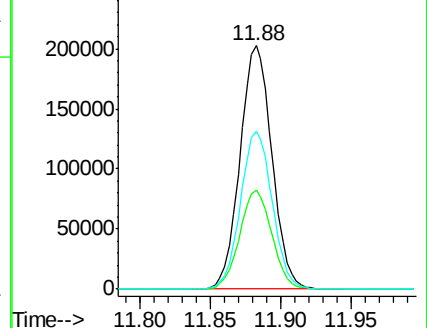
148 64.7 31.9 95.7



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: 50.859 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

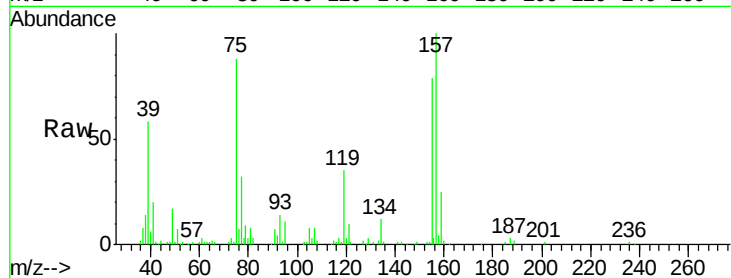
Tot Ion: 75 Resp: 49521

Ion Ratio Lower Upper

75 100

155 88.2 40.4 121.2

157 111.9 52.3 156.8



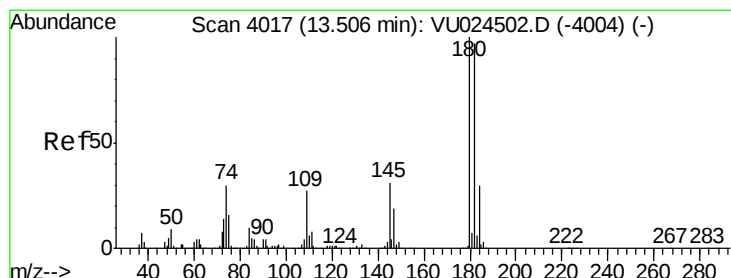
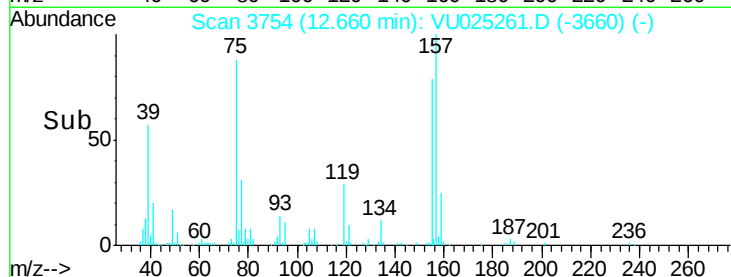
Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

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

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

Time-->

12.66



#93

1,2,4-Trichlorobenzene

Concen: 54.005 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

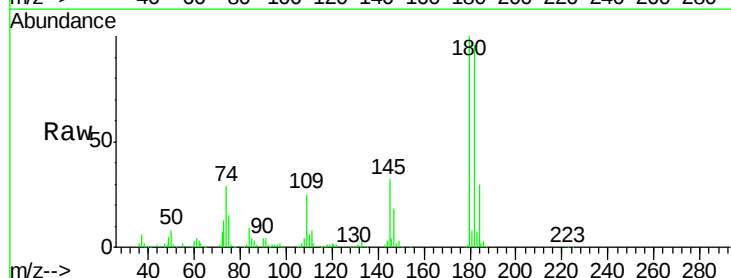
Tgt Ion: 180 Resp: 164521

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.2

145 29.9 14.7 44.1



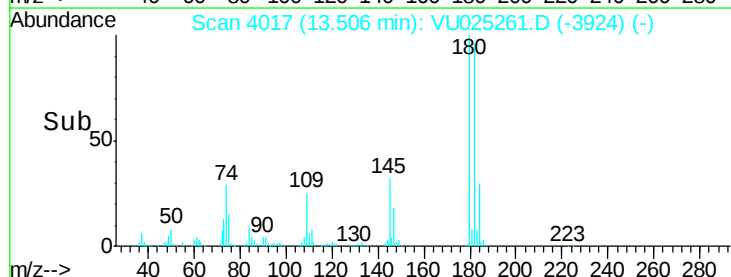
Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

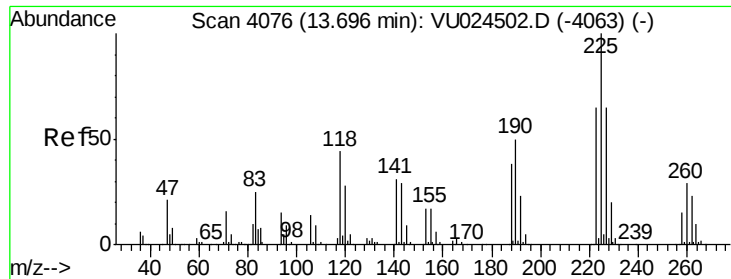
Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

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

Time-->

13.51





#94

Hexachlorobutadiene

Concen: 49.075 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

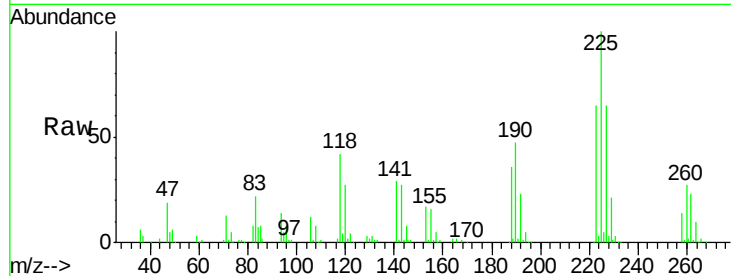
Tot Ion:225 Resp: 84148

Ion Ratio Lower Upper

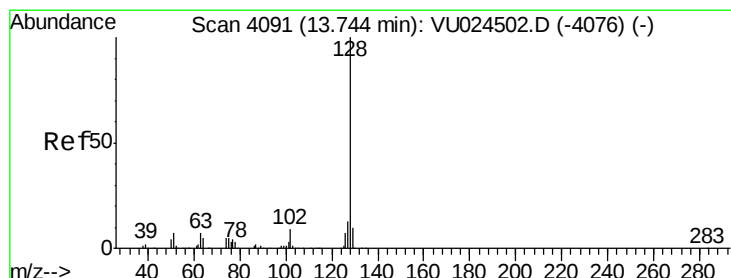
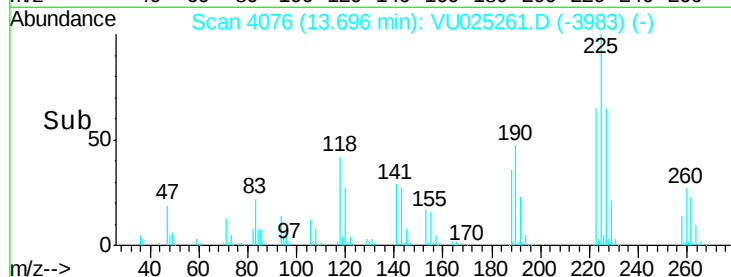
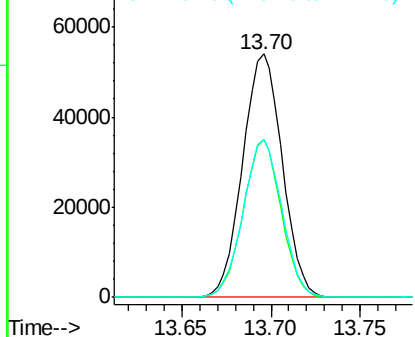
225 100

223 61.9 31.3 93.8

227 63.5 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: 57.205 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

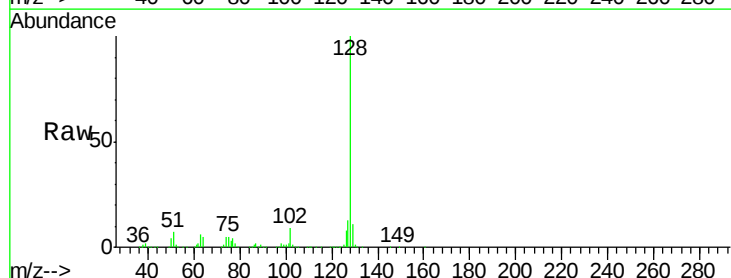
Tgt Ion:128 Resp: 577922

Ion Ratio Lower Upper

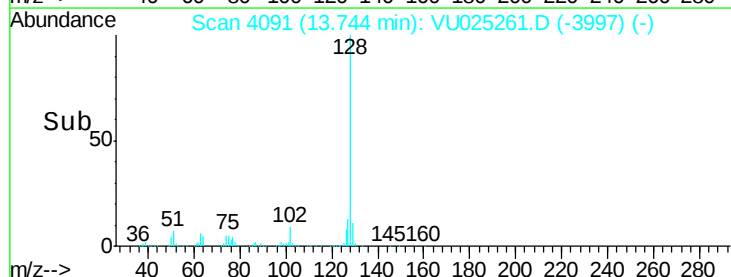
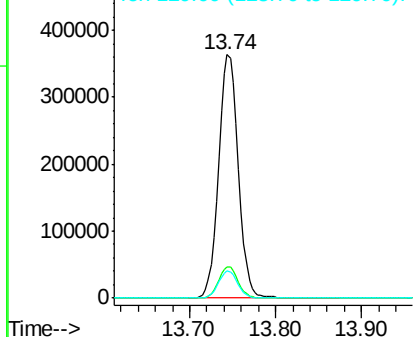
128 100

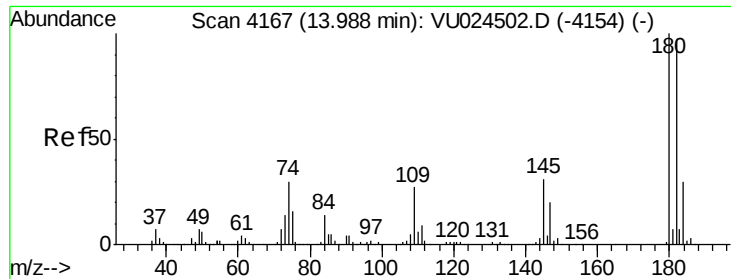
127 12.8 10.6 16.0

129 11.0 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: 58.832 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion:	180	Resp:	178588
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.9	143.7
145	31.4	15.4	46.1

