

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024888.D
 Acq On : 25 Jun 2018 20:35
 Operator : MD/SY
 Sample : VU0625MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:18:27 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	176917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273901	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	139185	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	4.89	113	111611	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	7.57	98	388801	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	10.31	95	154639	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41180	18.60	ug/l	98
3) Chloromethane	1.33	50	43047	19.03	ug/l	100
4) Vinyl Chloride	1.40	62	45969	19.70	ug/l	98
5) Bromomethane	1.62	94	27665	24.53	ug/l	97
6) Chloroethane	1.70	64	29641	22.15	ug/l	97
7) Trichlorofluoromethane	1.89	101	72124	20.26	ug/l	99
8) Diethyl Ether	2.10	74	27533	21.66	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42674	19.32	ug/l	97
10) Methyl Iodide	2.41	142	37643	23.29	ug/l	100
11) Tert butyl alcohol	2.82	59	68449	97.44	ug/l	99
12) 1,1-Dichloroethene	2.28	96	38854	19.29	ug/l	96
13) Acrolein	2.19	56	20917	56.71	ug/l	92
14) Allyl chloride	2.60	41	68807	18.40	ug/l	99
15) Acrylonitrile	2.93	53	142783	104.47	ug/l	99
16) Acetone	2.32	43	140794	90.73	ug/l	99
17) Carbon Disulfide	2.48	76	105047	16.29	ug/l	99
18) Methyl Acetate	2.62	43	77572	23.32	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	155422	20.53	ug/l	98
20) Methylene Chloride	2.70	84	52112	21.40	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	42621	19.21	ug/l	98
22) Diisopropyl ether	3.57	45	151938	20.49	ug/l	97
23) Vinyl Acetate	3.53	43	648974	97.71	ug/l	98
24) 1,1-Dichloroethane	3.45	63	85995	20.16	ug/l	97
25) 2-Butanone	4.26	43	206905	99.26	ug/l	97
26) 2,2-Dichloropropane	4.23	77	73918	18.25	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	53130	20.83	ug/l	96
28) Bromochloromethane	4.55	49	40821	21.73	ug/l	89
29) Tetrahydrofuran	4.64	42	130014	100.72	ug/l	95
30) Chloroform	4.68	83	89903	20.82	ug/l	98
31) Cyclohexane	5.00	56	78168	19.43	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	80780	20.23	ug/l	96
36) 1,1-Dichloropropene	5.14	75	60150	18.69	ug/l	95
37) Ethyl Acetate	4.38	43	74260	21.17	ug/l	97
38) Carbon Tetrachloride	5.14	117	69727	19.70	ug/l	98

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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:18:27 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)
39) Methylcyclohexane	6.42	83	77904	19.40	ug/l	95
40) Benzene	5.39	78	185920	20.27	ug/l	98
41) Methacrylonitrile	4.54	41	41536	21.96	ug/l	96
42) 1,2-Dichloroethane	5.41	62	75956	21.75	ug/l	99
43) Isopropyl Acetate	5.55	43	124602	20.55	ug/l	99
44) Trichloroethene	6.19	130	51088	19.57	ug/l	95
45) 1,2-Dichloropropane	6.44	63	52291	21.37	ug/l	99
46) Dibromomethane	6.56	93	35840	20.85	ug/l	94
47) Bromodichloromethane	6.76	83	69198	20.22	ug/l	98
48) Methyl methacrylate	6.63	41	62735	21.25	ug/l	97
49) 1,4-Dioxane	6.62	88	28132	487.19	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	406124	106.61	ug/l	99
52) Toluene	7.64	92	119259	20.21	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	73333	19.08	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	77600	18.95	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	51165	21.33	ug/l	98
56) Ethyl methacrylate	8.02	69	83918	20.90	ug/l	98
57) 1,3-Dichloropropane	8.25	76	86321	21.34	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	25372	16.50	ug/l	95
59) 2-Hexanone	8.36	43	315890	101.57	ug/l	99
60) Dibromochloromethane	8.48	129	56112	18.76	ug/l	99
61) 1,2-Dibromoethane	8.59	107	54978	20.59	ug/l	99
64) Tetrachloroethene	8.23	164	47945	19.66	ug/l	97
65) Chlorobenzene	9.12	112	135744	20.71	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	52194	20.96	ug/l	98
67) Ethyl Benzene	9.25	91	235752	20.52	ug/l	100
68) m/p-Xylenes	9.38	106	183579	41.61	ug/l	97
69) o-Xylene	9.78	106	90841	20.80	ug/l	99
70) Styrene	9.80	104	145774	20.31	ug/l	98
71) Bromoform	9.96	173	44275	18.71	ug/l #	100
73) Isopropylbenzene	10.17	105	243321	21.34	ug/l	99
74) N-amyl acetate	10.01	43	107155	19.75	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	84938	22.22	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	96839	29.61	ug/l	86
77) Bromobenzene	10.45	156	62820	21.76	ug/l	96
78) n-propylbenzene	10.59	91	274575	20.44	ug/l	97
79) 2-Chlorotoluene	10.66	91	166720	21.04	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	209029	21.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	96839	68.53	ug/l #	100
82) 4-Chlorotoluene	10.78	91	190522	20.66	ug/l	100
83) tert-Butylbenzene	11.10	119	207049	21.77	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	212220	21.07	ug/l	99
85) sec-Butylbenzene	11.33	105	251648	21.14	ug/l	99
86) p-Isopropyltoluene	11.48	119	218549	20.50	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	110295	20.68	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	112117	20.88	ug/l	99
89) n-Butylbenzene	11.89	91	174452	18.43	ug/l	97
90) Hexachloroethane	12.15	117	38245	18.39	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	117485	21.99	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21678	20.56	ug/l	94

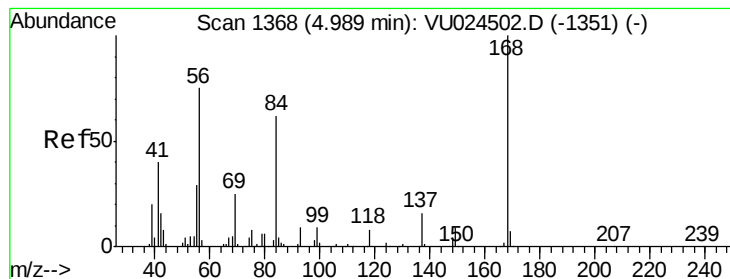
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:18:27 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)
93) 1,2,4-Trichlorobenzene	13.51	180	71448	21.66	ug/l	99
94) Hexachlorobutadiene	13.70	225	39437	21.24	ug/l	99
95) Naphthalene	13.74	128	241746	22.51	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76659	23.32	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

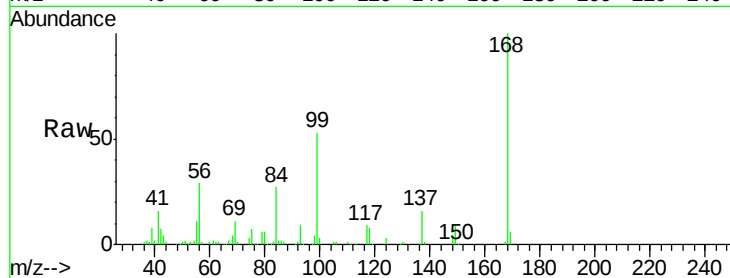
ClientSampleId :

Tot Ion:168 Resp: 176917

Ion Ratio Lower Upper

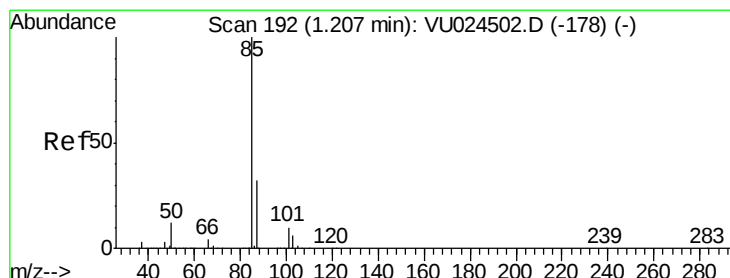
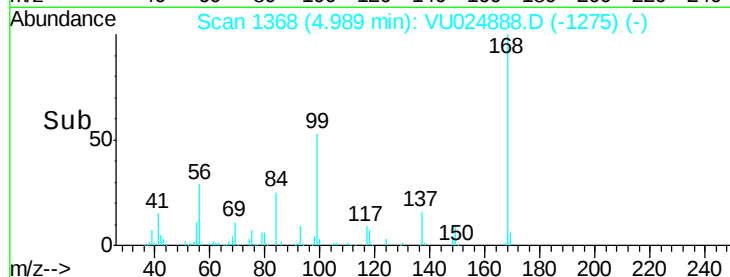
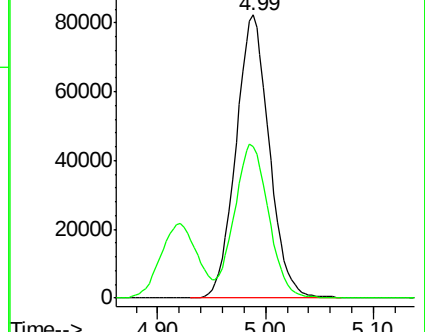
168 100

99 53.1 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) (-)



#2

Dichlorodifluoromethane

Concen: 18.60 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024888.D

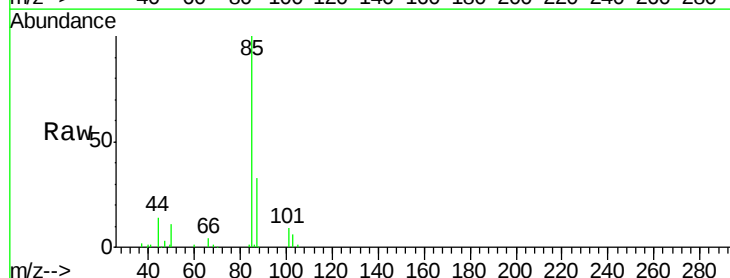
Acq: 25 Jun 2018 20:35

Tgt Ion: 85 Resp: 41180

Ion Ratio Lower Upper

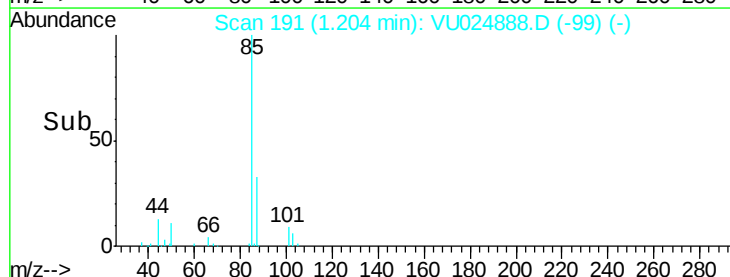
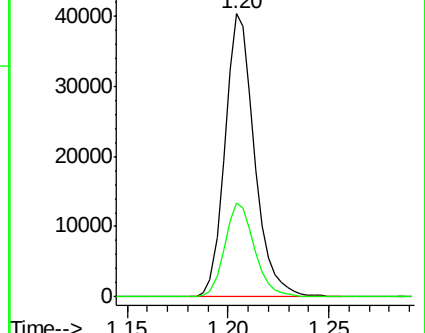
85 100

87 33.2 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) (-)





#3

Chloromethane

Concen: 19.03 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

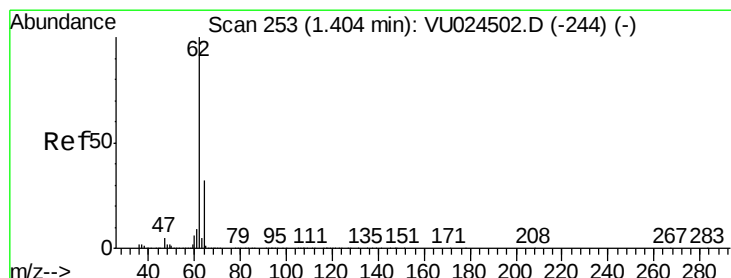
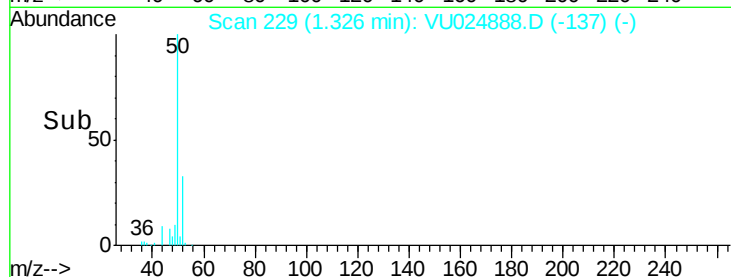
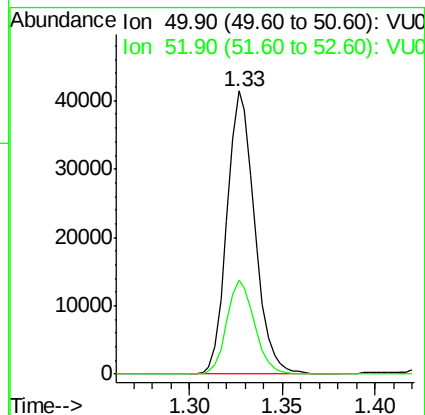
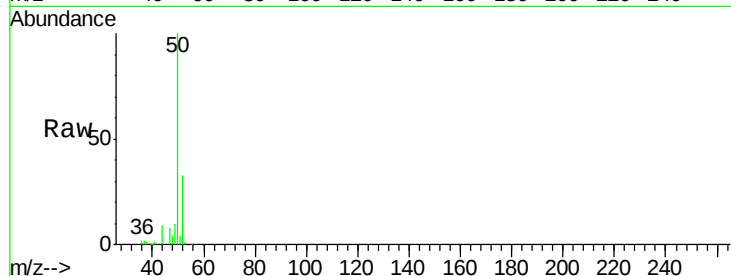
ClientSampleId :

Tot Ion: 50 Resp: 43047

Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6



#4

Vinyl Chloride

Concen: 19.70 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024888.D

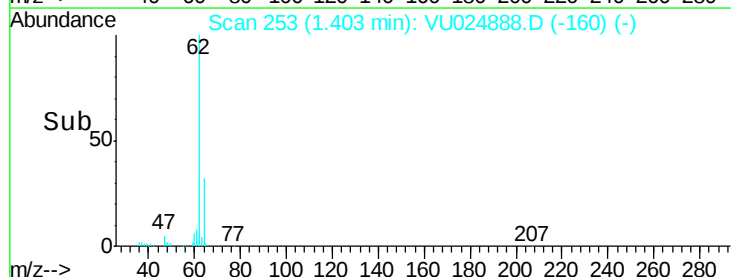
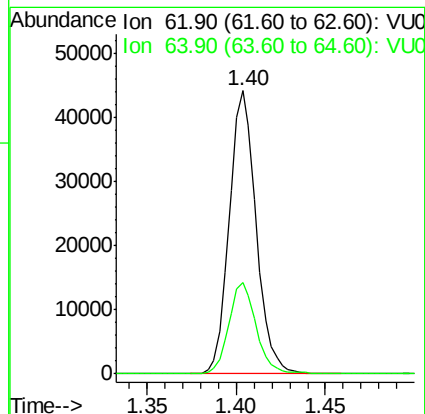
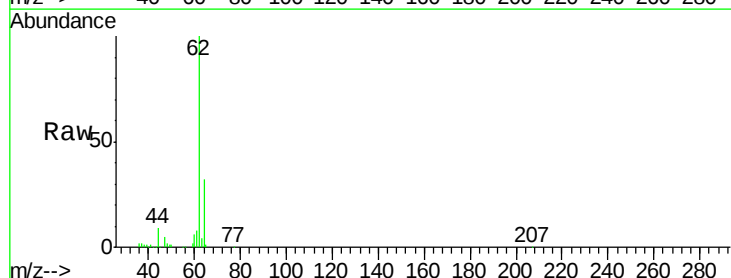
Acq: 25 Jun 2018 20:35

Tgt Ion: 62 Resp: 45969

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 24.53 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

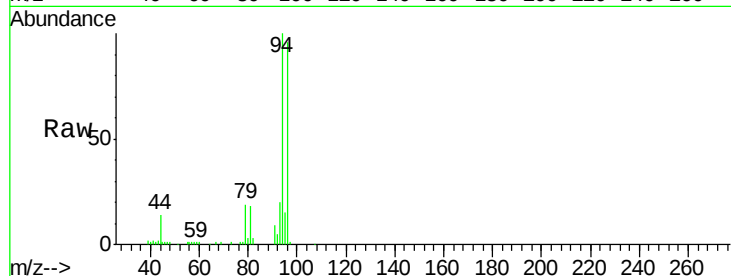
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 27665

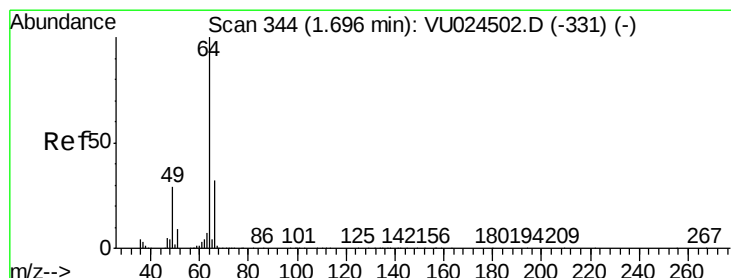
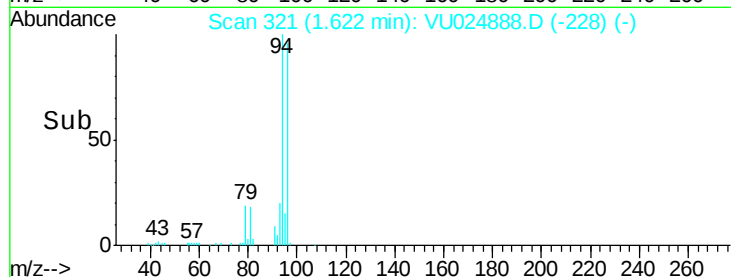
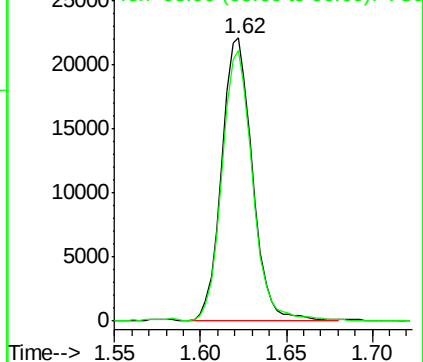
Ion Ratio Lower Upper

94 100

96 95.6 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: 22.15 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024888.D

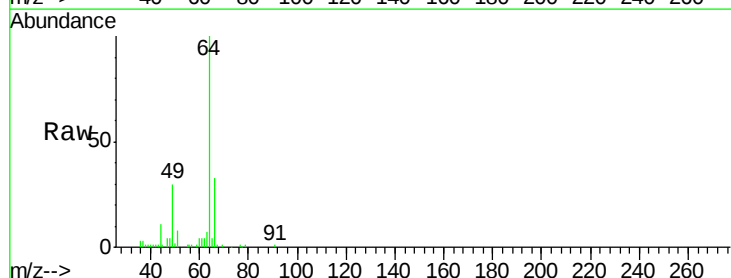
Acq: 25 Jun 2018 20:35

Tgt Ion: 64 Resp: 29641

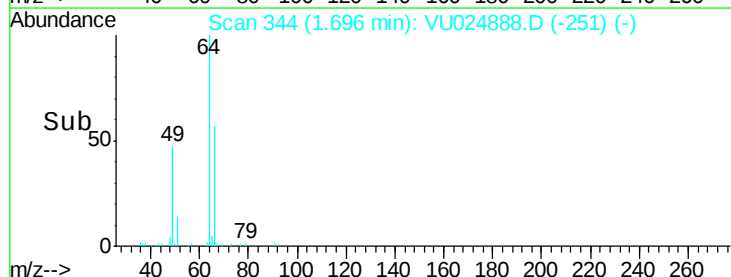
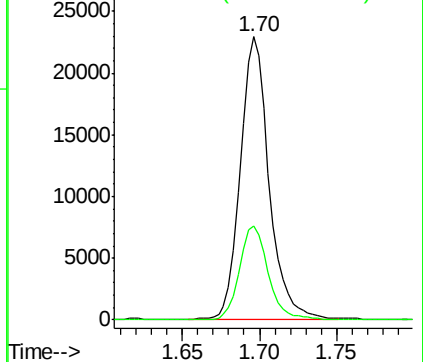
Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



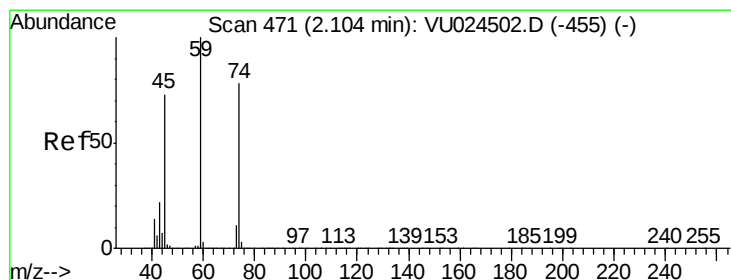
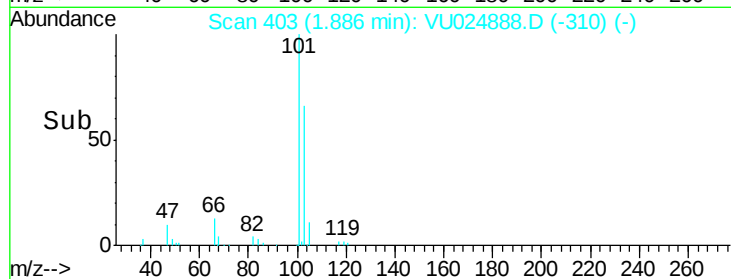
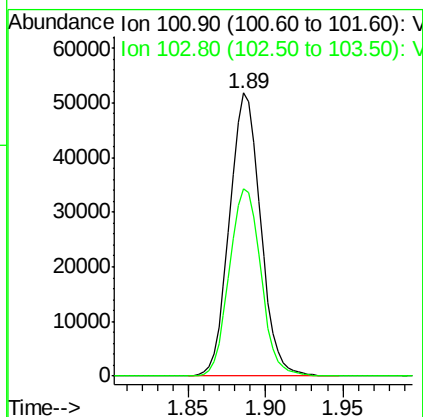
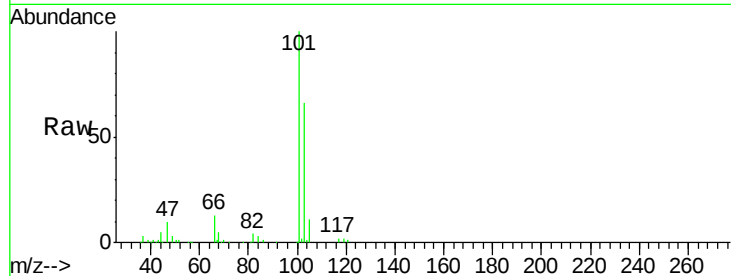


#7

Trichlorofluoromethane
 Concen: 20.26 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Instrument :
 MSVOA_U
 ClientSampled :

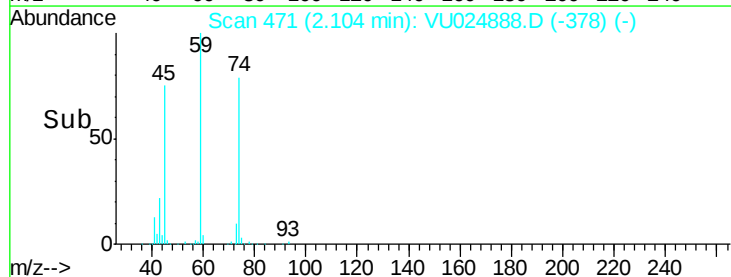
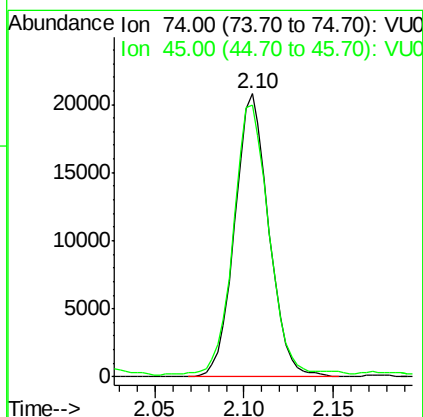
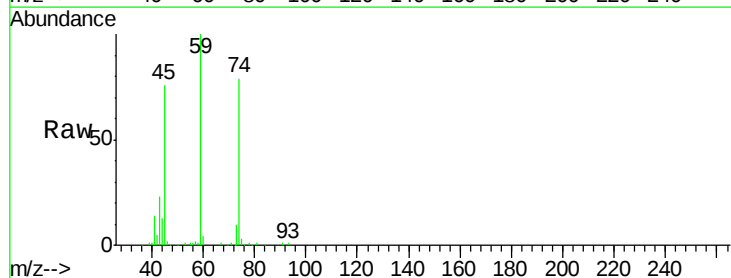
Tot Ion:101 Resp: 72124
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.3 78.5



#8

Diethyl Ether
 Concen: 21.66 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 74 Resp: 27533
 Ion Ratio Lower Upper
 74 100
 45 99.5 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.32 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

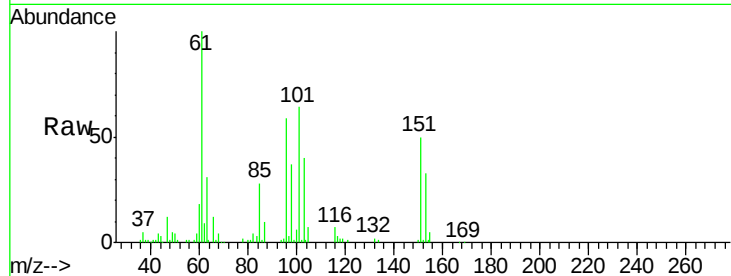
Tot Ion:101 Resp: 42674

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

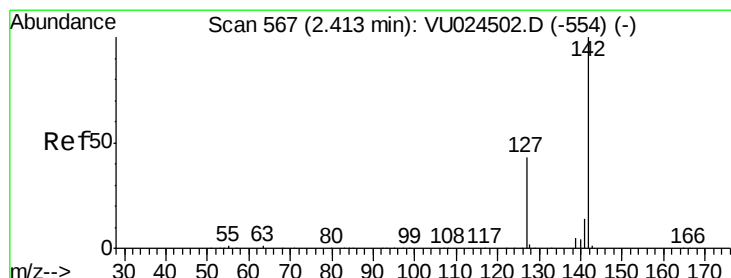
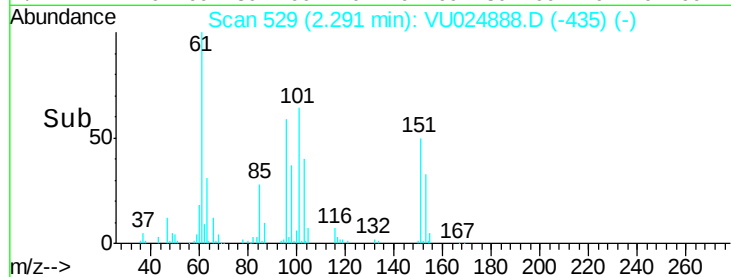
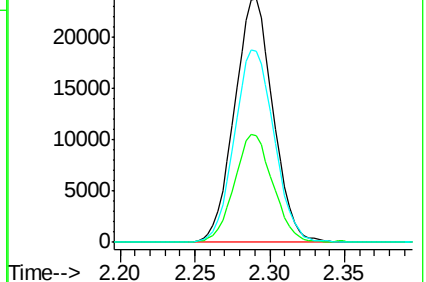
151 81.0 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.29 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

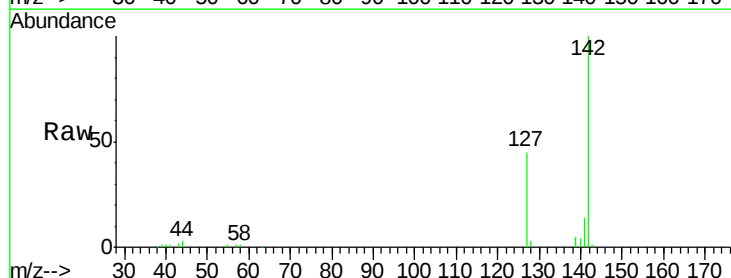
Tgt Ion:142 Resp: 37643

Ion Ratio Lower Upper

142 100

127 44.7 35.6 53.4

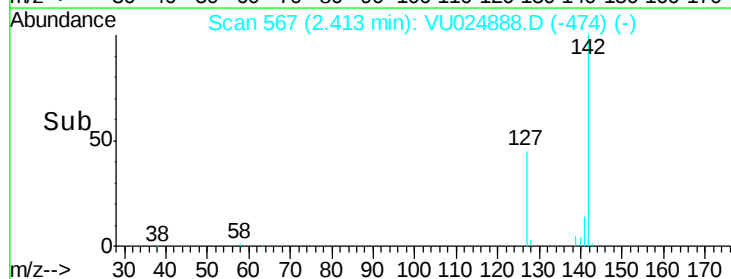
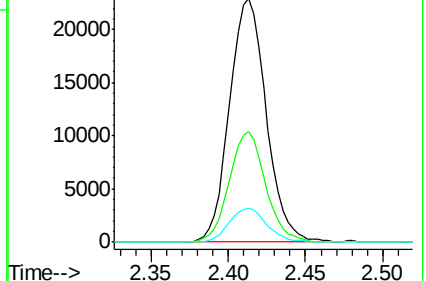
141 14.2 11.7 17.5



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



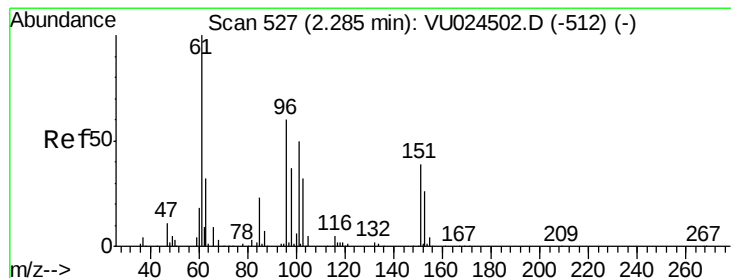
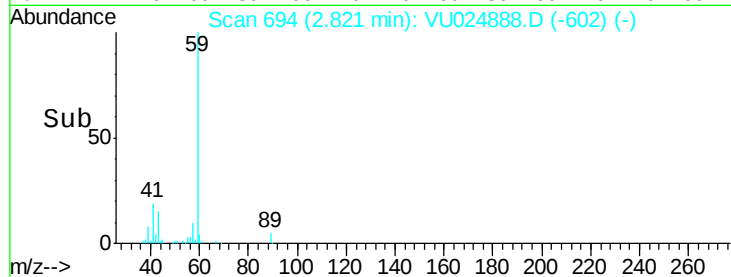
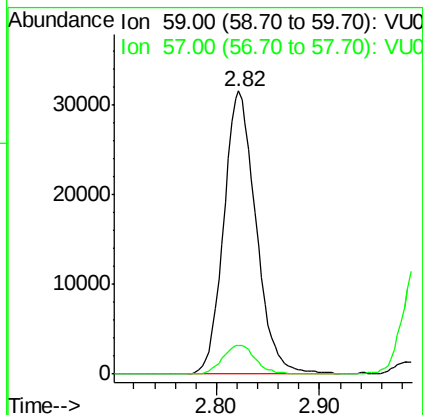
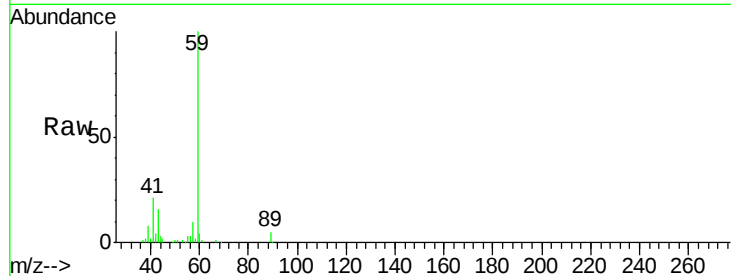


#11

Tert butyl alcohol
 Concen: 97.44 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Instrument :
 MSVOA_U
 ClientSampleId :

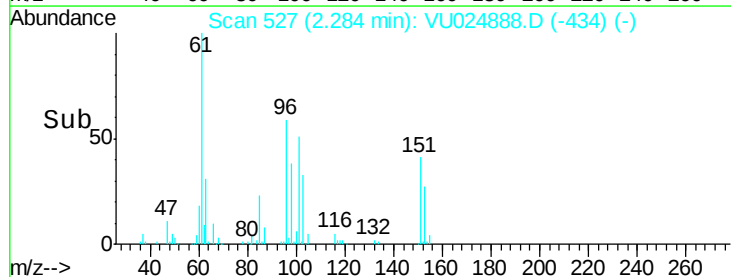
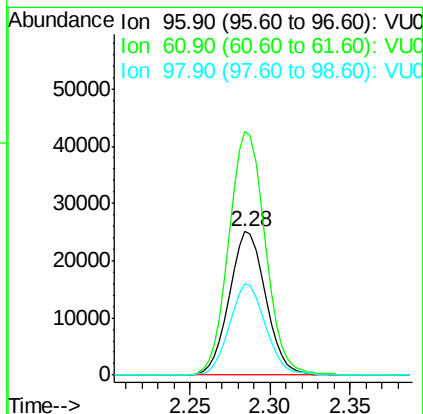
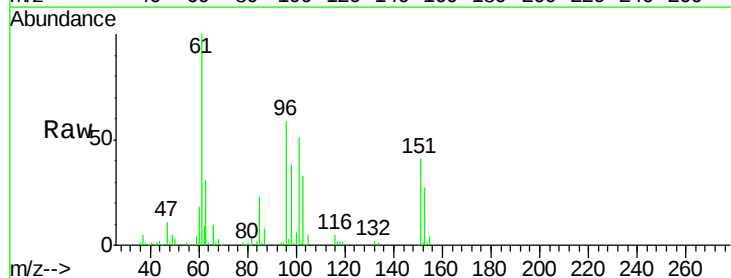
Tot Ion: 59 Resp: 68449
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

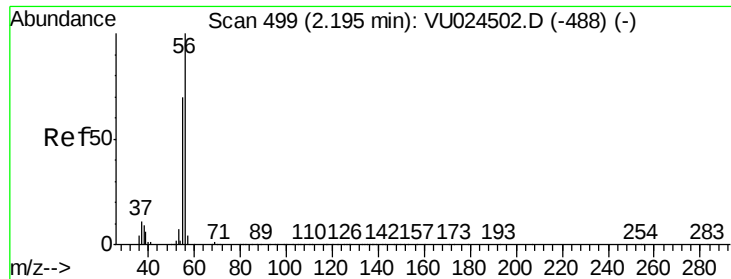


#12

1,1-Dichloroethene
 Concen: 19.29 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 96 Resp: 38854
 Ion Ratio Lower Upper
 96 100
 61 169.7 141.7 212.5
 98 63.8 51.6 77.4





#13

Acrolein

Concen: 56.71 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

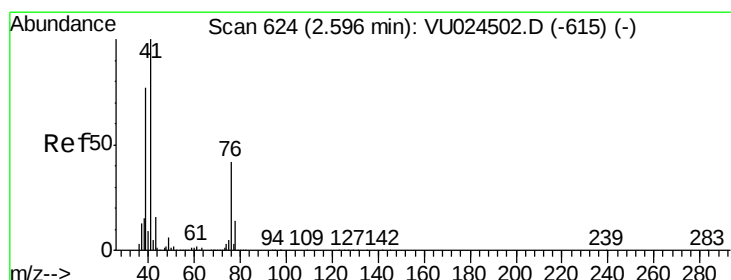
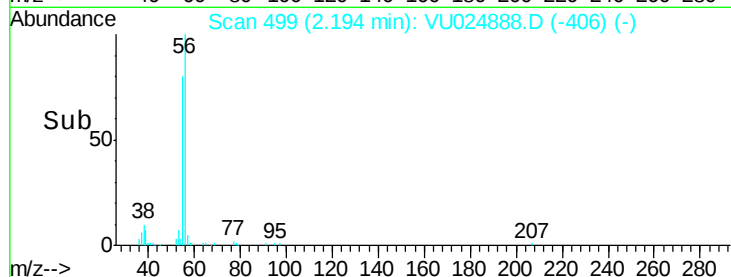
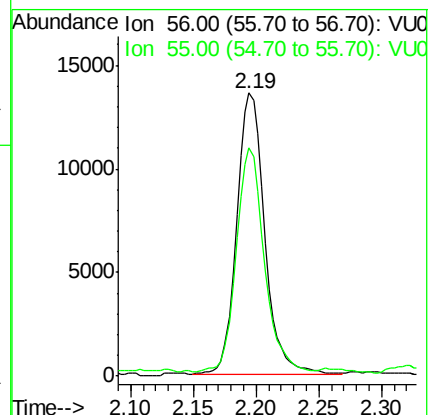
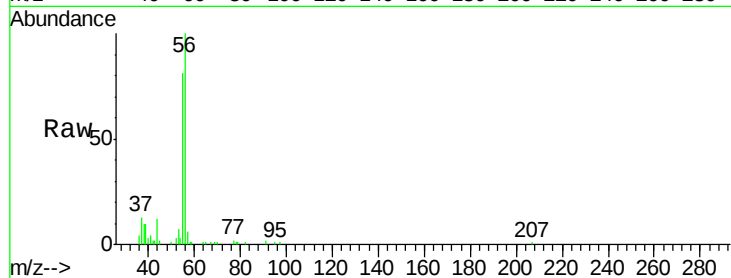
ClientSampled :

Tot Ion: 56 Resp: 20917

Ion Ratio Lower Upper

56 100

55 80.1 58.4 87.6



#14

Allyl chloride

Concen: 18.40 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

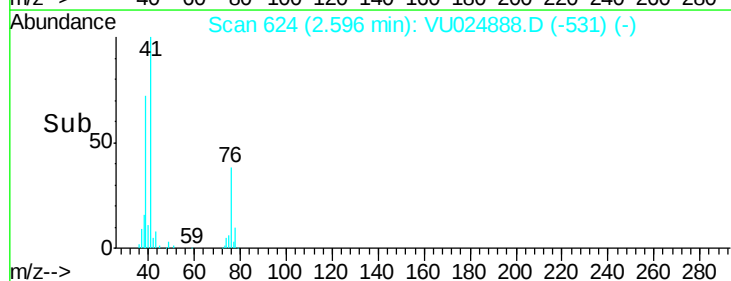
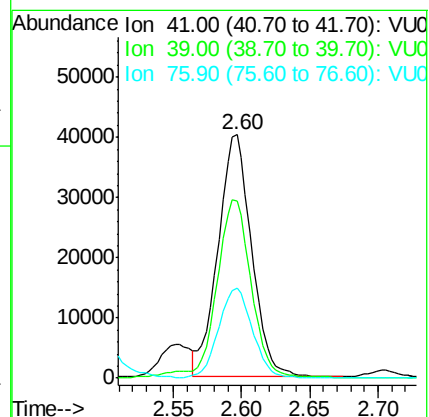
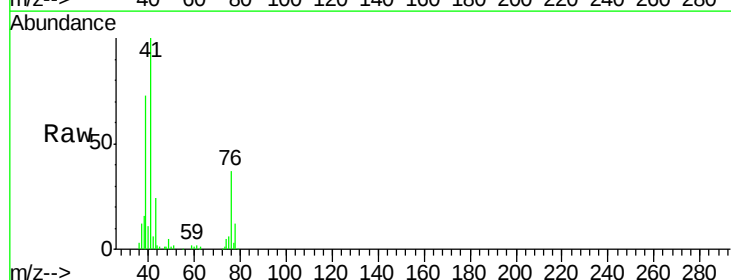
Tgt Ion: 41 Resp: 68807

Ion Ratio Lower Upper

41 100

39 75.5 61.6 92.4

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 104.47 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

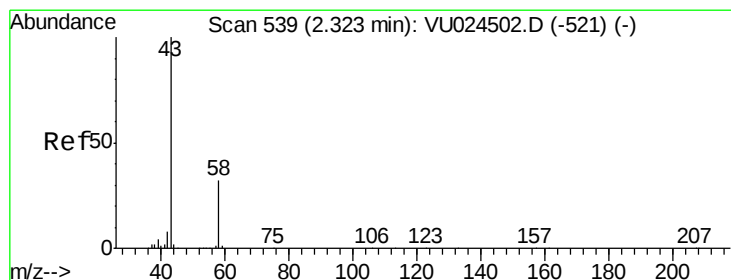
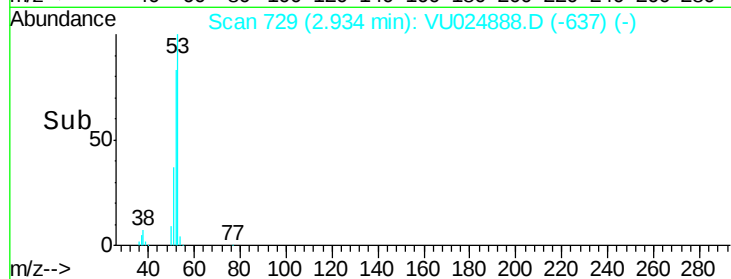
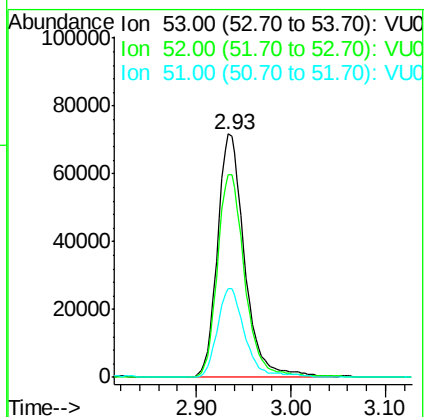
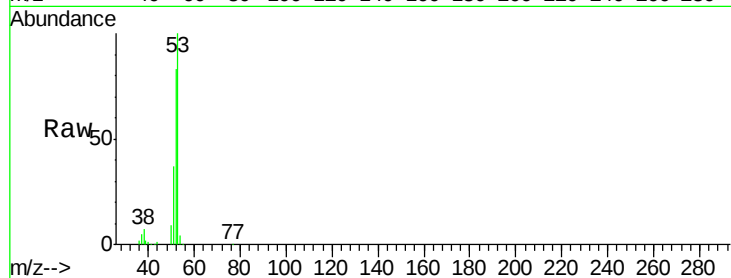
Tot Ion: 53 Resp: 142783

Ion Ratio Lower Upper

53 100

52 83.8 67.1 100.7

51 37.5 28.4 42.6



#16

Acetone

Concen: 90.73 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024888.D

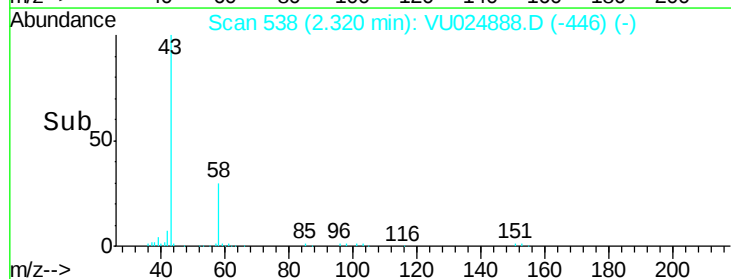
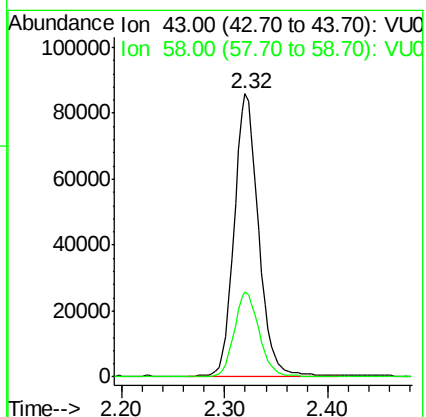
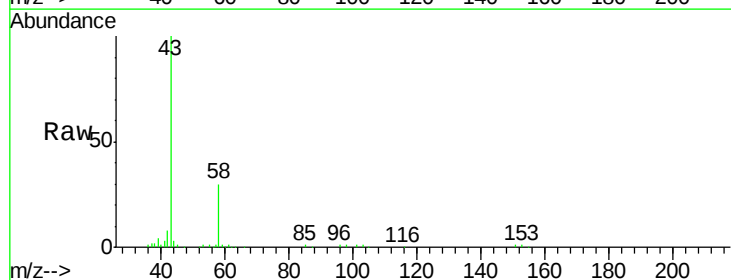
Acq: 25 Jun 2018 20:35

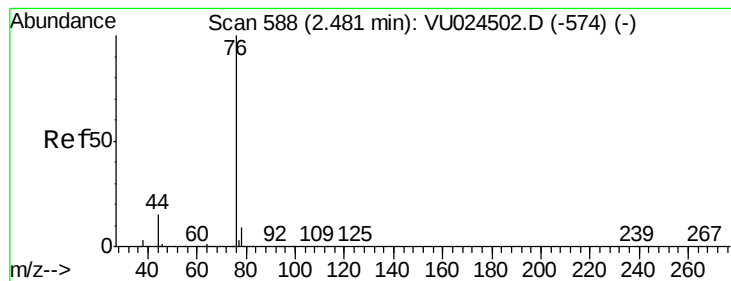
Tgt Ion: 43 Resp: 140794

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6





#17

Carbon Disulfide

Concen: 16.29 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

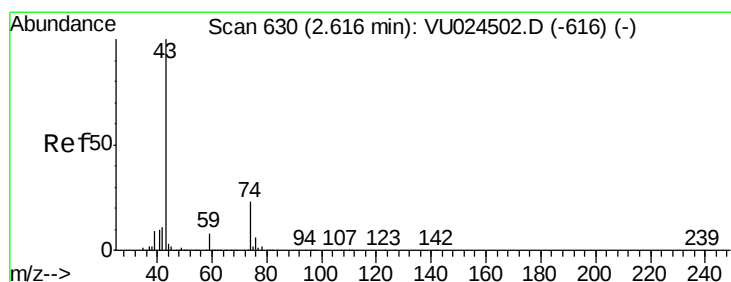
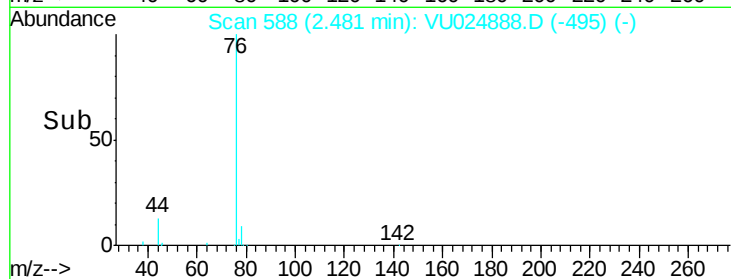
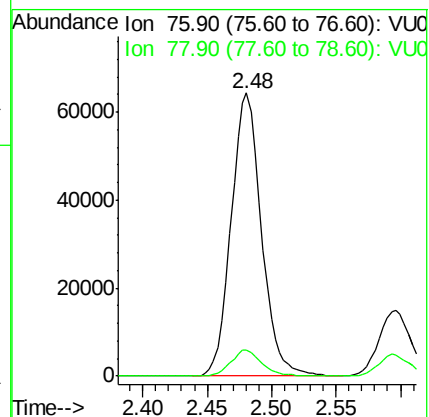
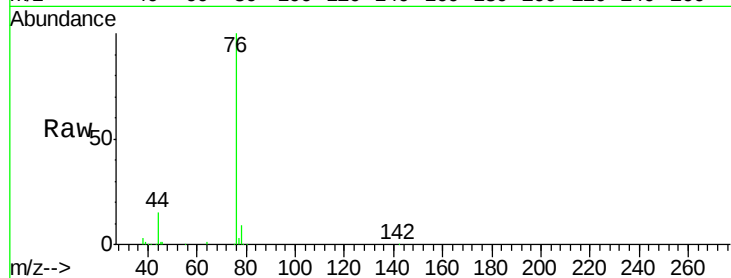
ClientSampleId :

Tot Ion: 76 Resp: 105047

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 23.32 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024888.D

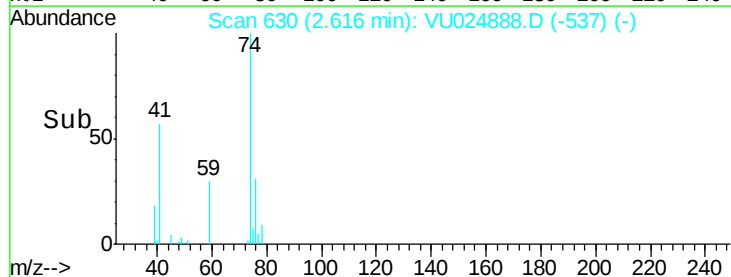
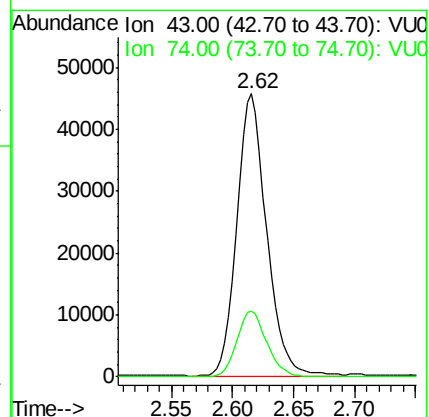
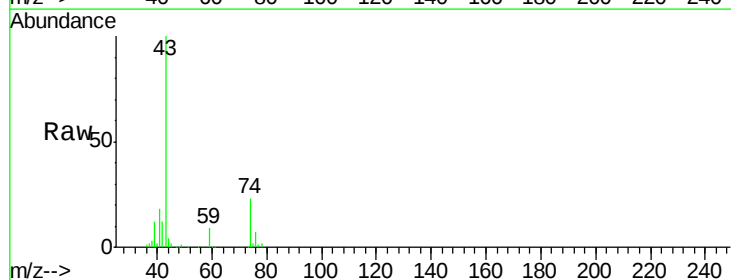
Acq: 25 Jun 2018 20:35

Tgt Ion: 43 Resp: 77572

Ion Ratio Lower Upper

43 100

74 23.3 18.0 27.0



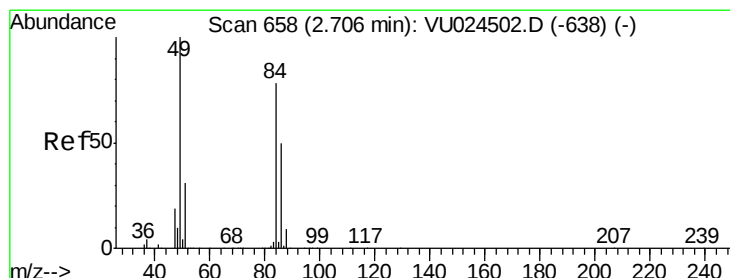
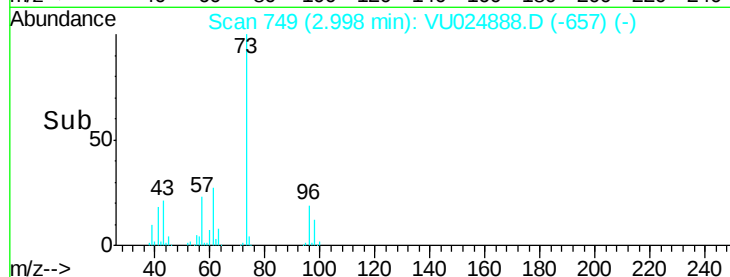
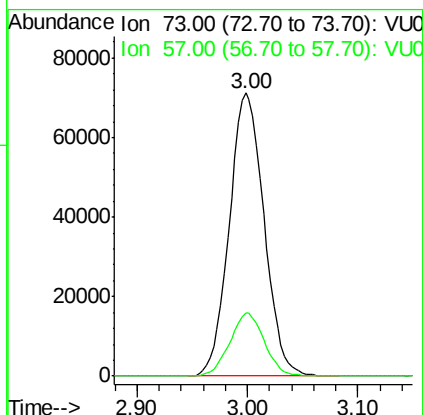
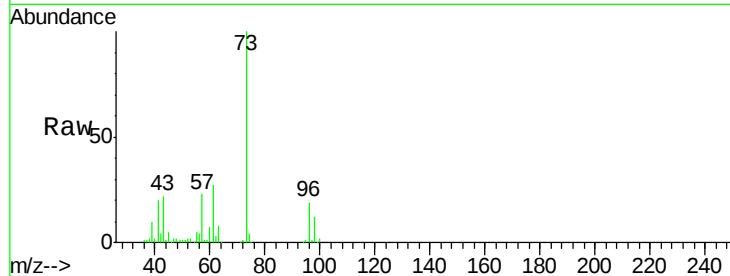


#19

Methyl tert-butyl Ether
 Concen: 20.53 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Instrument :
 MSVOA_U
 ClientSampleId :

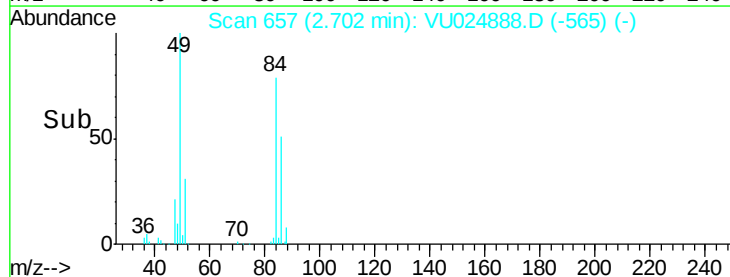
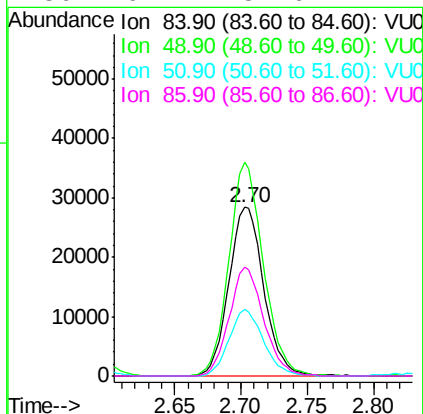
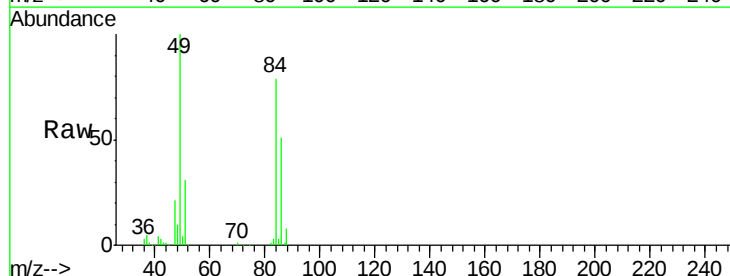
Tot Ion: 73 Resp: 155422
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.8 28.2



#20

Methylene Chloride
 Concen: 21.40 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 84 Resp: 52112
 Ion Ratio Lower Upper
 84 100
 49 126.5 103.8 155.8
 51 39.1 32.0 48.0
 86 64.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.21 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

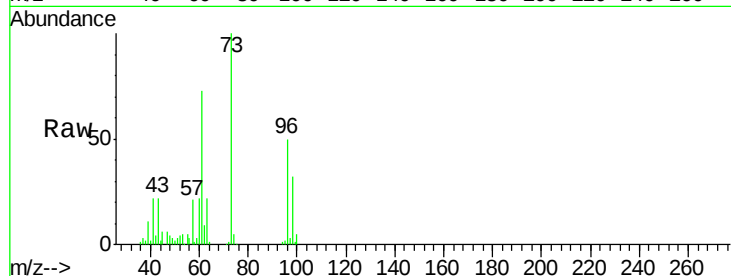
Tot Ion: 96 Resp: 42621

Ion Ratio Lower Upper

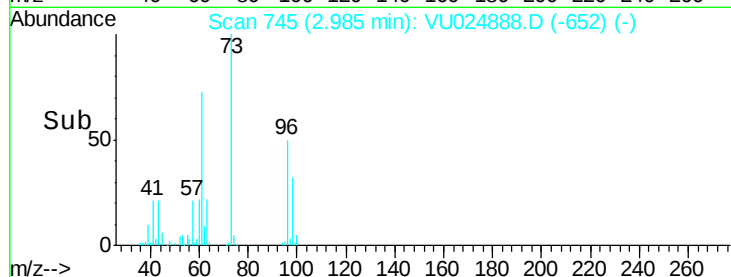
96 100

61 145.8 119.4 179.0

98 63.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024888.D (-652) (-)



Ion 60.90 (60.60 to 61.60): VU024888.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024888.D (-652) (-)

Time-->

2.99

30000

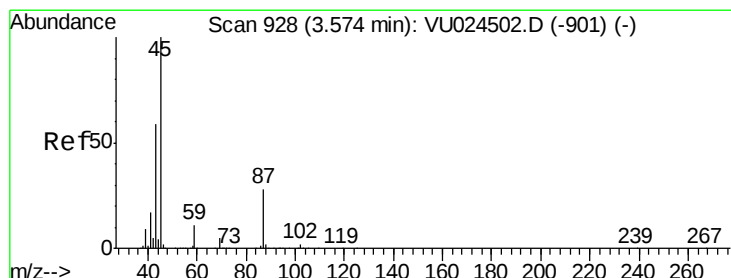
20000

10000

0

2.90 2.95 3.00 3.05 3.10

Time-->



#22

Diisopropyl ether

Concen: 20.49 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Tgt Ion: 45 Resp: 151938

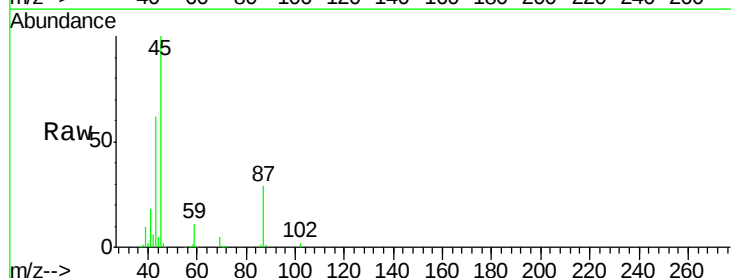
Ion Ratio Lower Upper

45 100

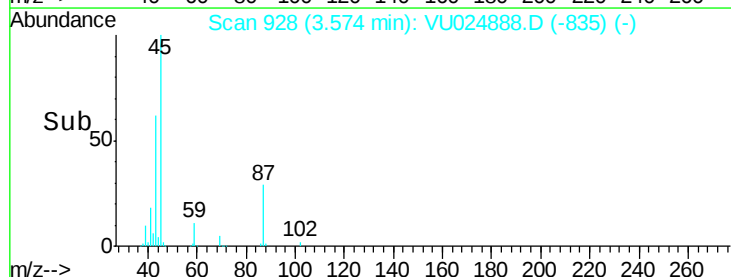
43 59.2 45.8 68.6

87 29.0 20.6 31.0

59 11.4 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024888.D (-835) (-)



Ion 43.00 (42.70 to 43.70): VU024888.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024888.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024888.D (-835) (-)

Time-->

3.57

300000

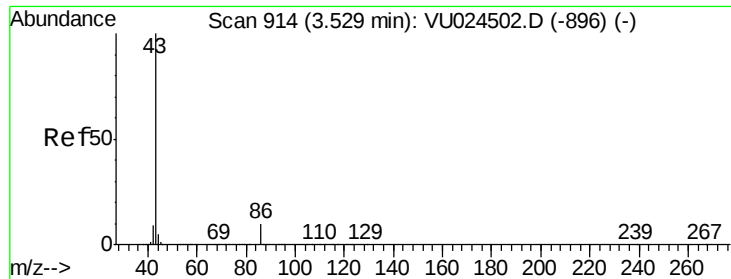
200000

100000

0

3.50 3.55 3.60

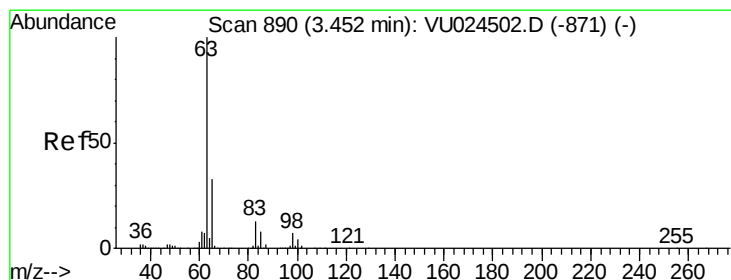
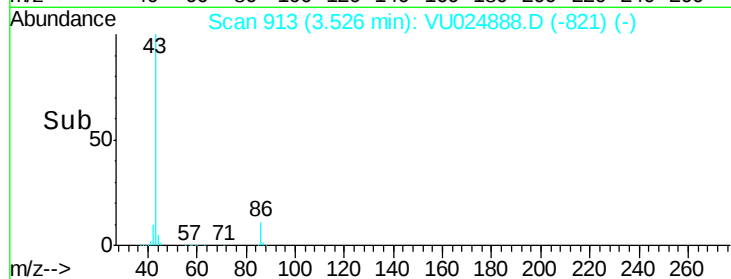
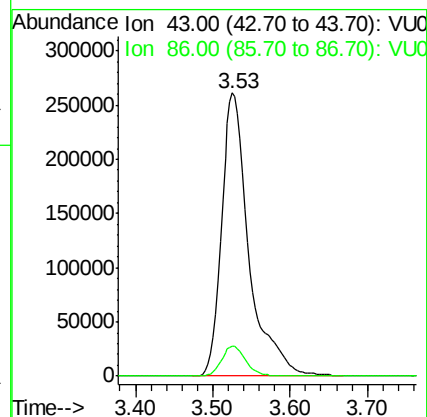
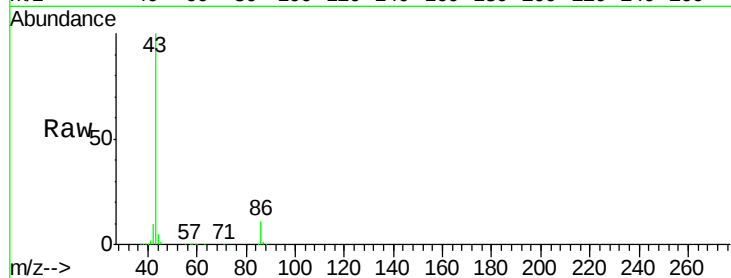
Time-->



#23
 Vinyl Acetate
 Concen: 97.71 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

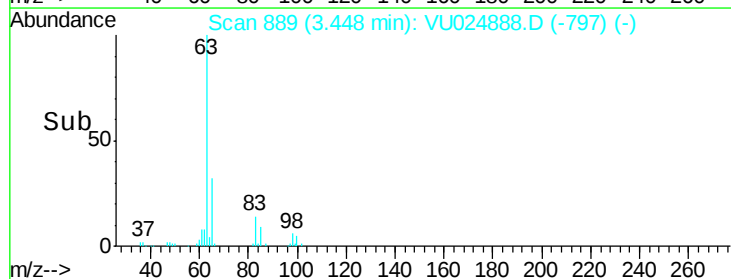
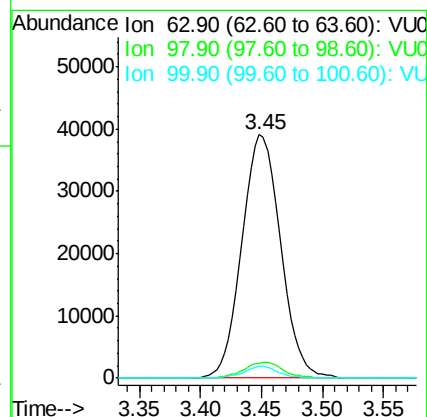
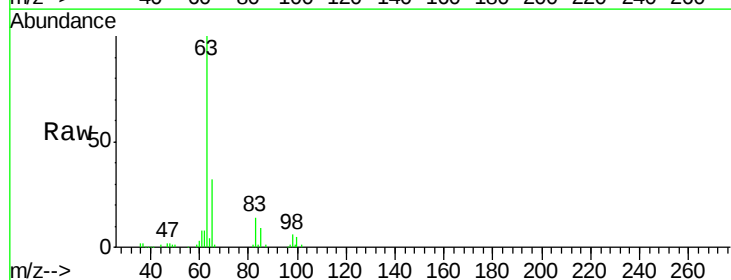
Instrument :
 MSVOA_U
 ClientSampleId :

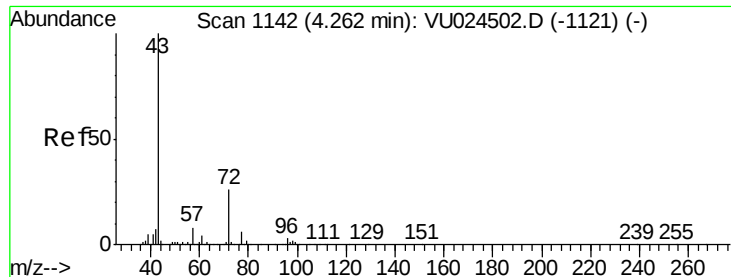
Tot Ion: 43 Resp: 648974
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.16 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 63 Resp: 85995
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.4
 100 4.8 1.8 5.5

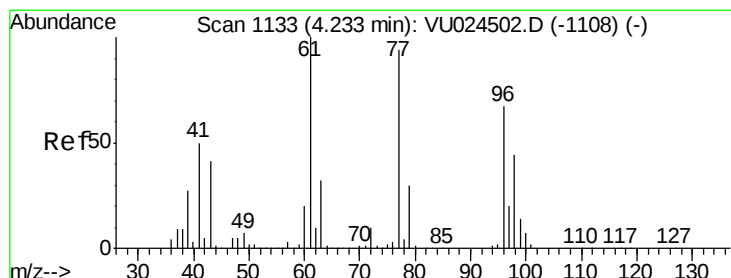
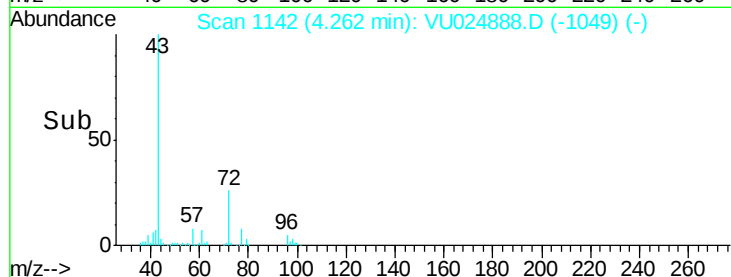
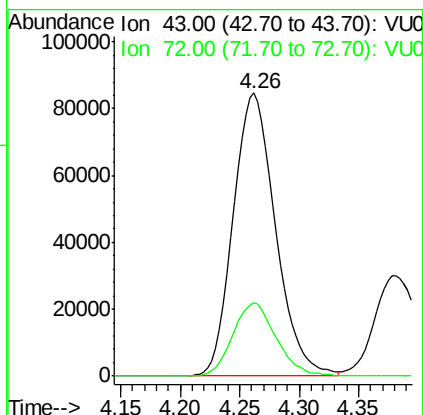
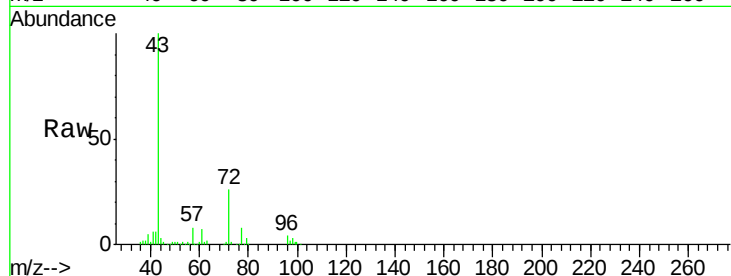




#25
2-Butanone
Concen: 99.26 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

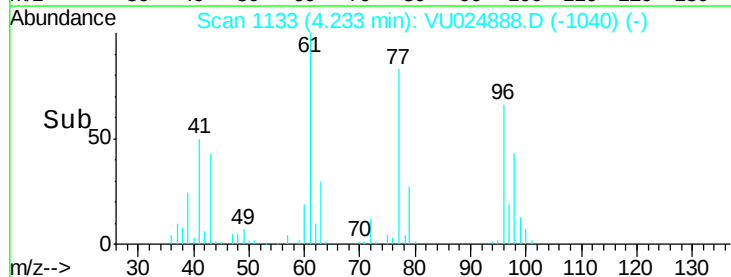
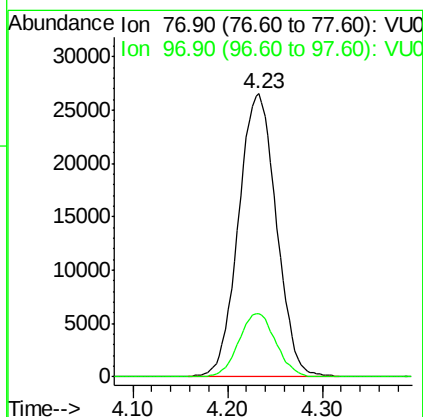
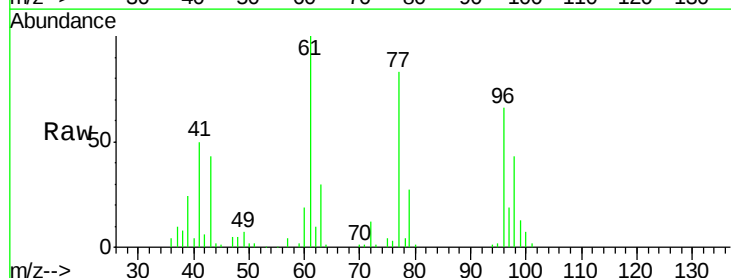
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 206905
Ion Ratio Lower Upper
43 100
72 26.0 19.6 29.4



#26
2,2-Dichloropropane
Concen: 18.25 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 77 Resp: 73918
Ion Ratio Lower Upper
77 100
97 21.9 11.3 33.8

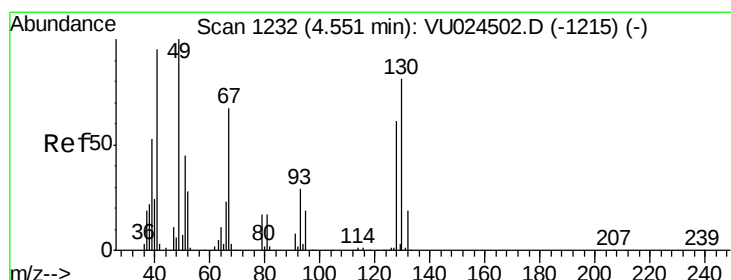
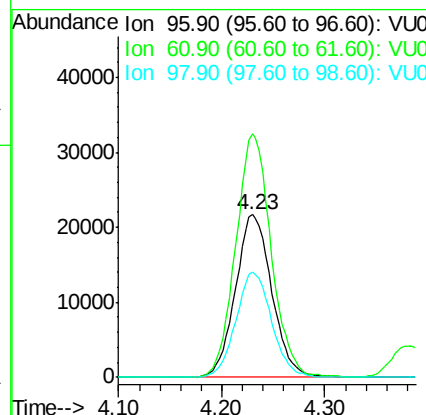
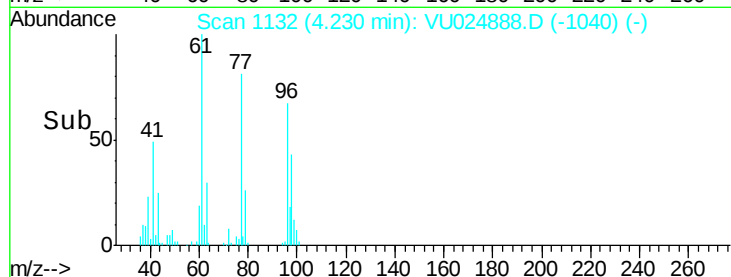
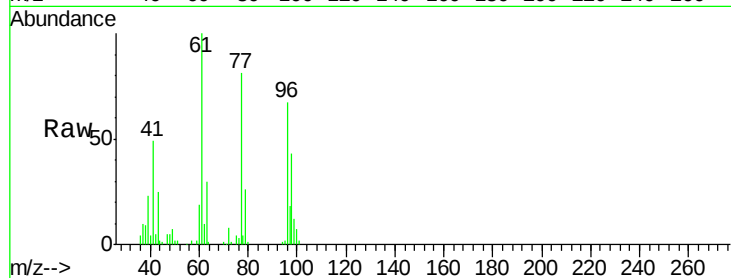




#27
 cis-1,2-Dichloroethene
 Concen: 20.83 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

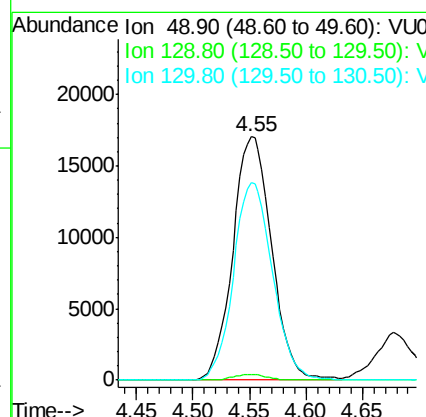
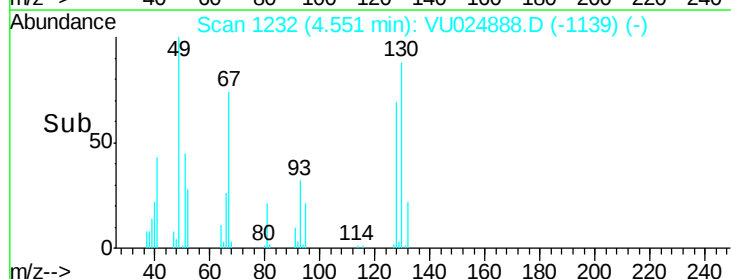
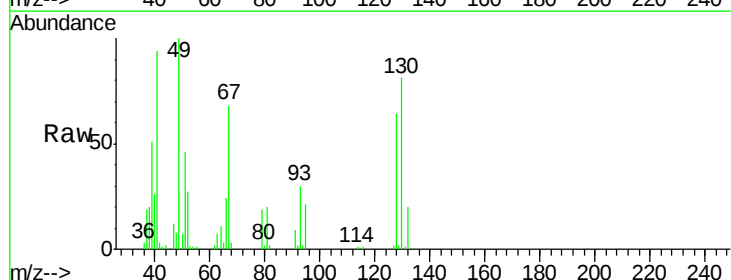
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 53130
 Ion Ratio Lower Upper
 96 100
 61 145.9 0.0 306.6
 98 63.7 0.0 128.8



#28
 Bromochloromethane
 Concen: 21.73 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 49 Resp: 40821
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 81.4 57.8 86.6





#29

Tetrahydrofuran

Concen: 100.72 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampleId :

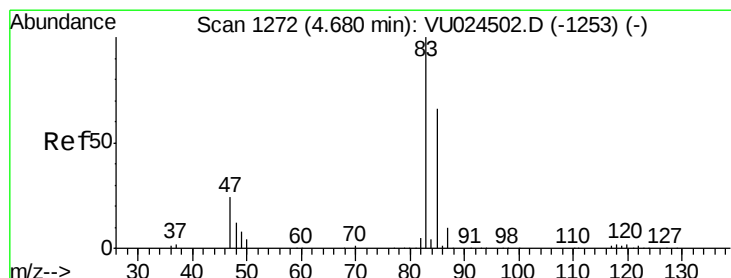
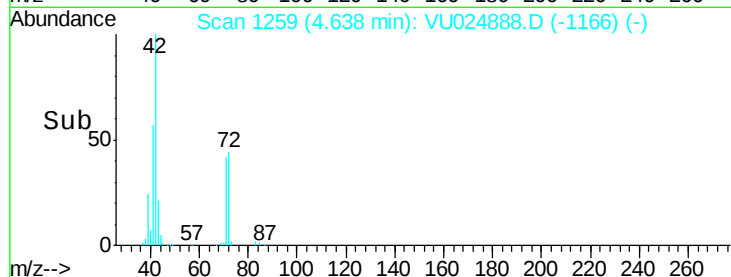
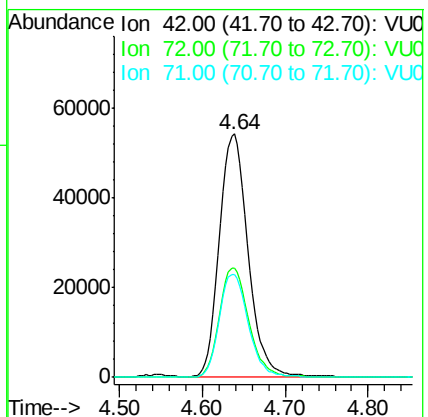
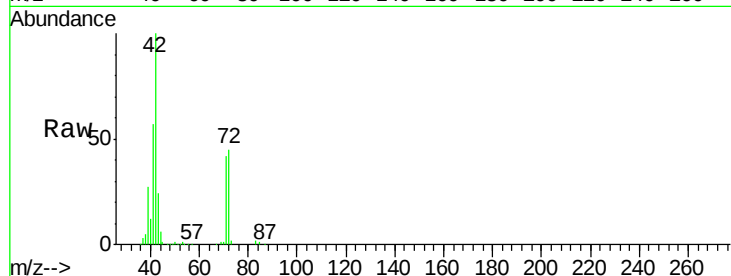
Tot Ion: 42 Resp: 130014

Ion Ratio Lower Upper

42 100

72 46.3 34.5 51.7

71 43.1 32.2 48.4



#30

Chloroform

Concen: 20.82 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024888.D

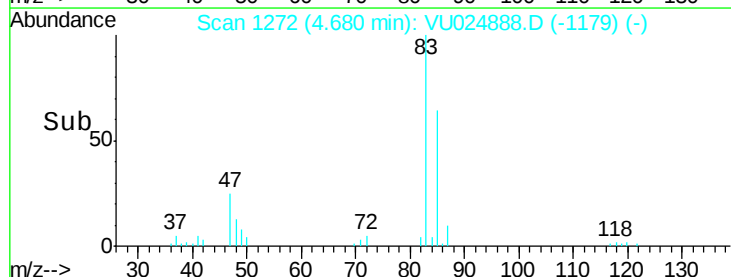
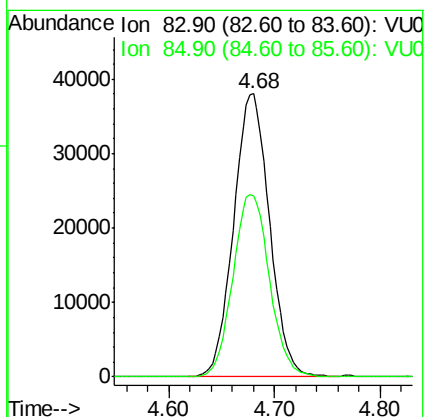
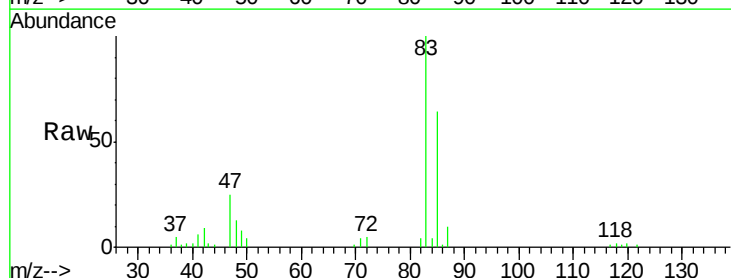
Acq: 25 Jun 2018 20:35

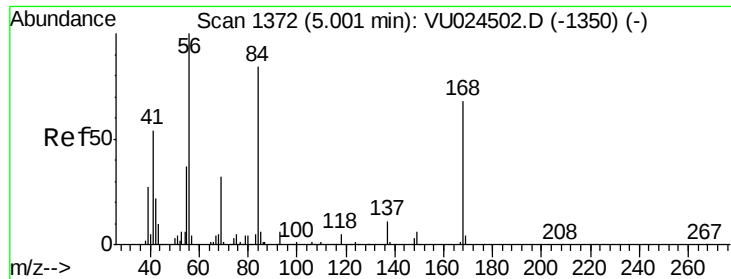
Tgt Ion: 83 Resp: 89903

Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6

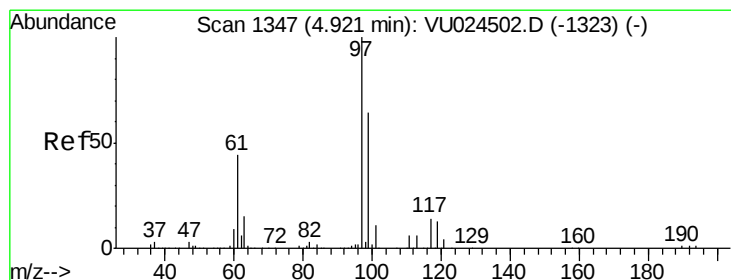
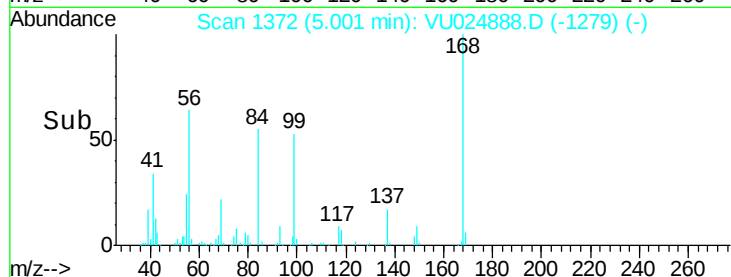
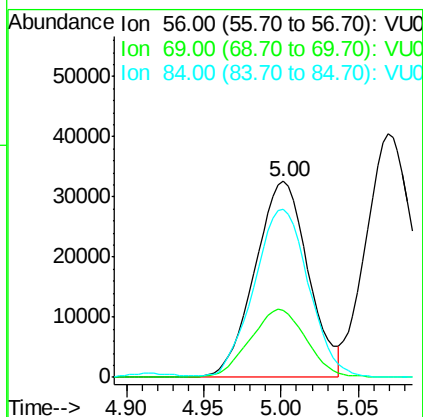
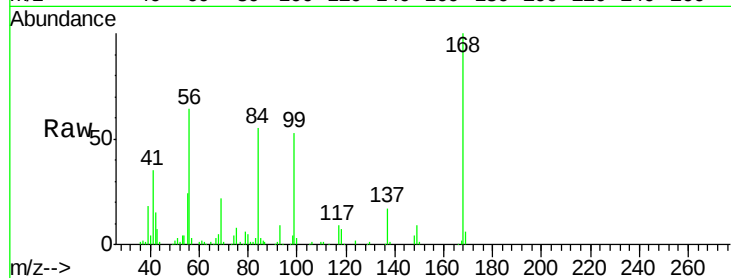




#31
Cyclohexane
Concen: 19.43 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

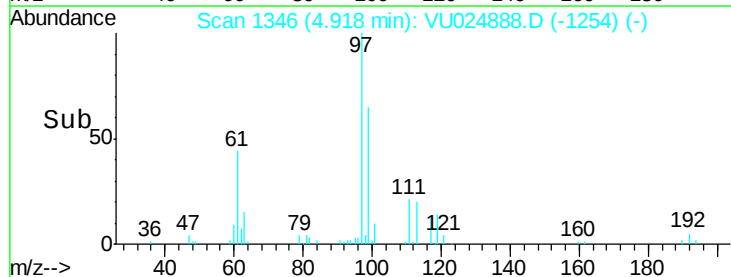
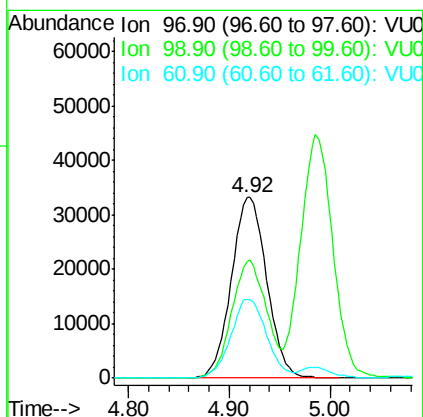
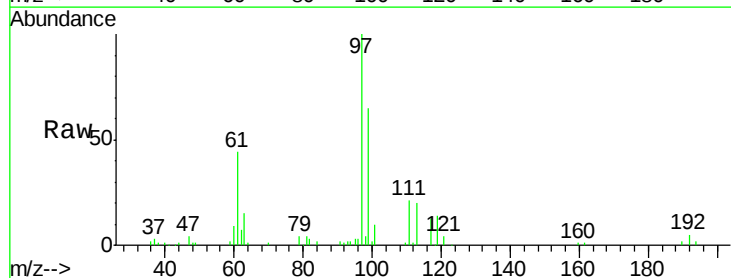
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 78168
Ion Ratio Lower Upper
56 100
69 34.4 24.8 37.2
84 85.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.23 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 97 Resp: 80780
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 44.5 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 48.19 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

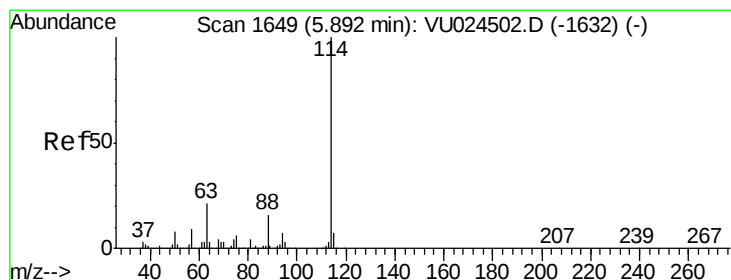
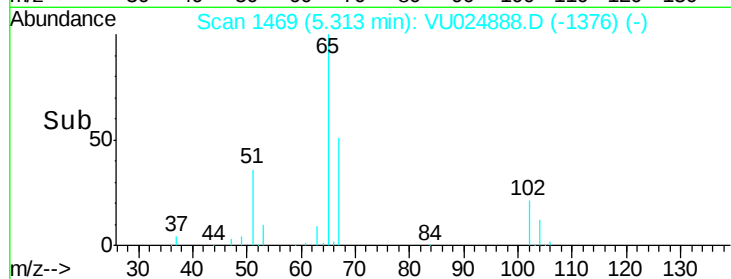
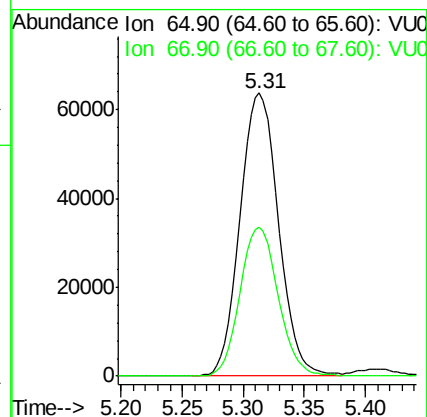
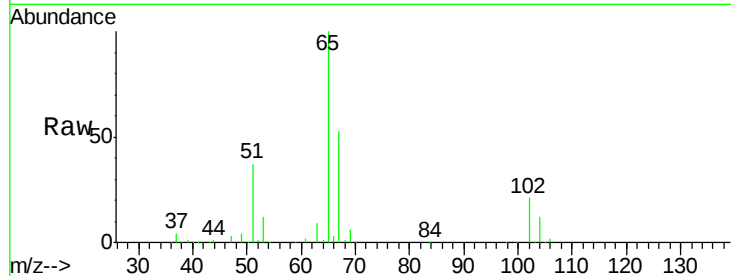
ClientSampled :

Tot Ion: 65 Resp: 139185

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

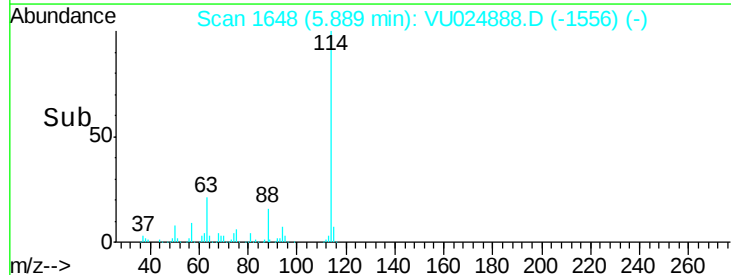
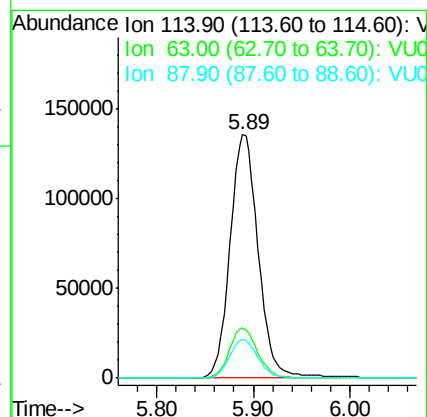
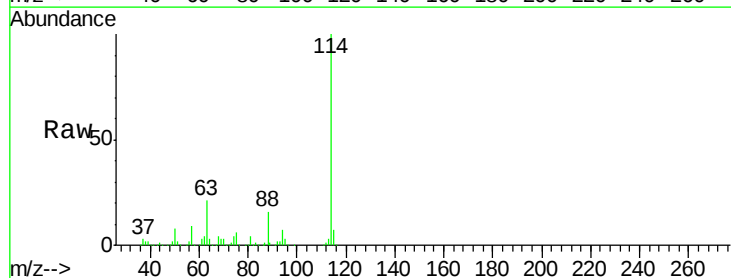
Tgt Ion: 114 Resp: 273901

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.4

88 15.9 0.0 31.0

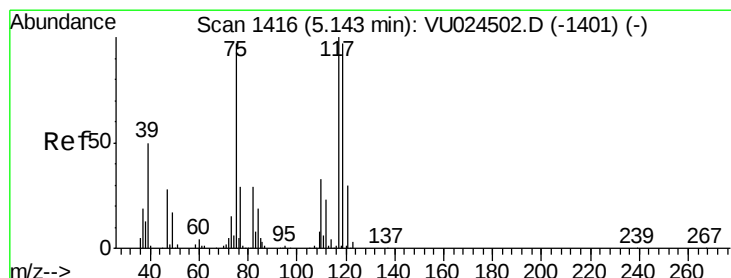
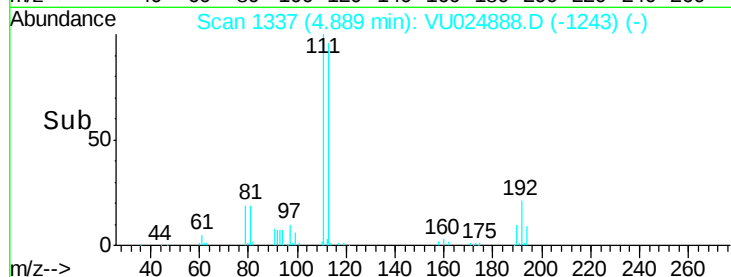
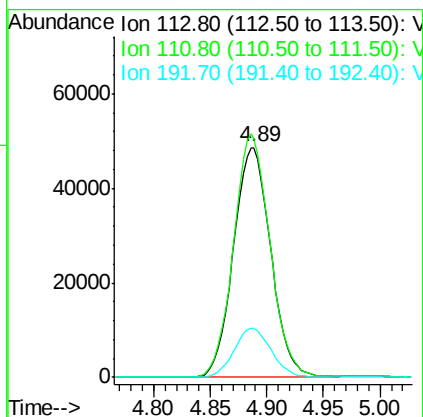
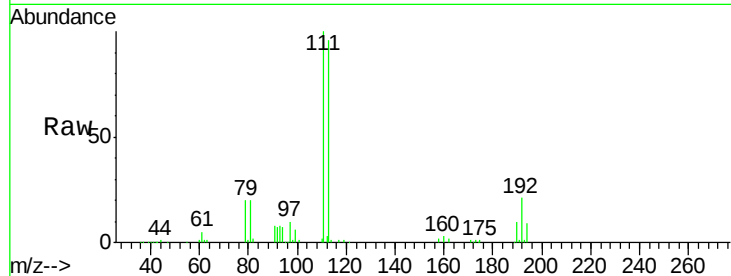




#35
 Dibromofluoromethane
 Concen: 49.10 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

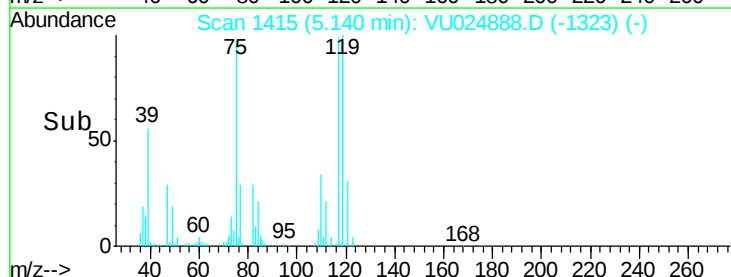
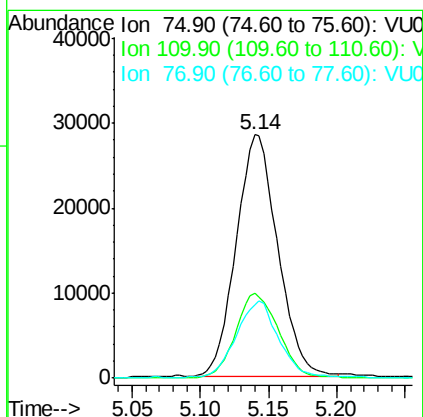
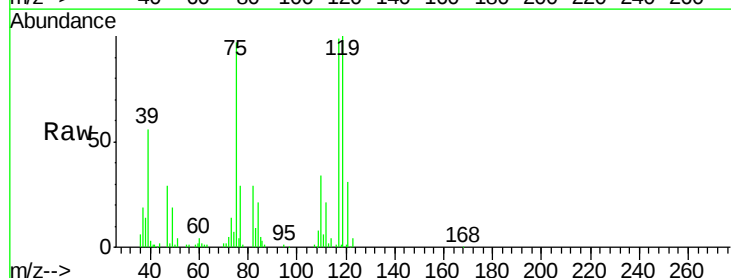
Instrument :
 MSVOA_U
 ClientSampleId :

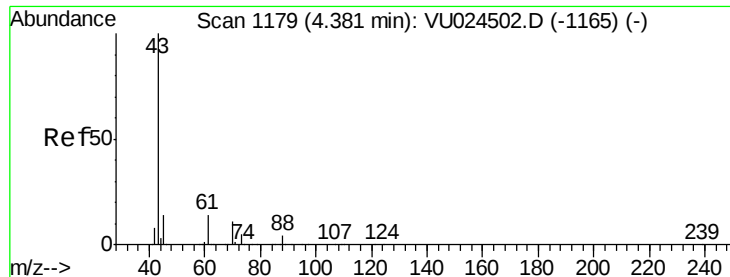
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 18.69 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.0	50.9
77	33.2	24.2	36.4

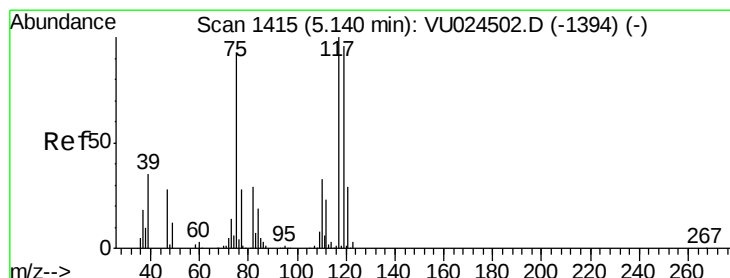
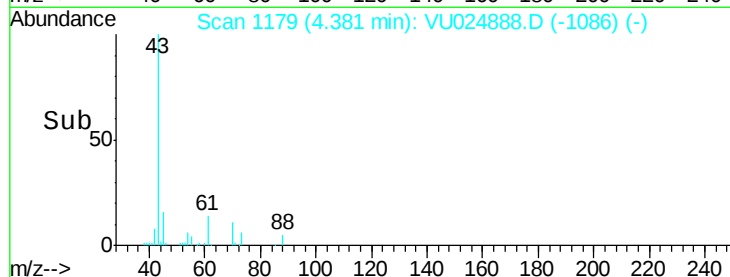
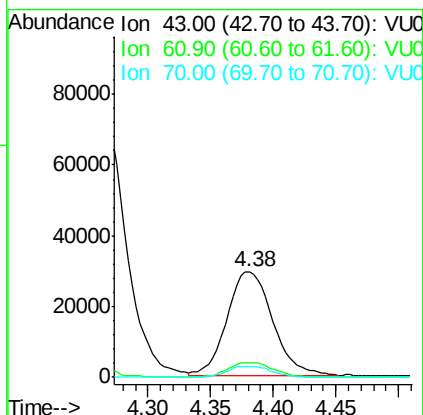
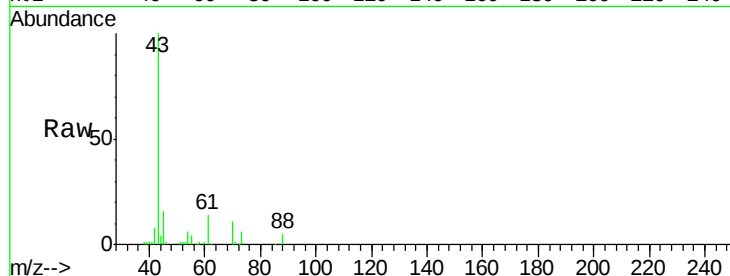




#37
Ethyl Acetate
Concen: 21.17 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

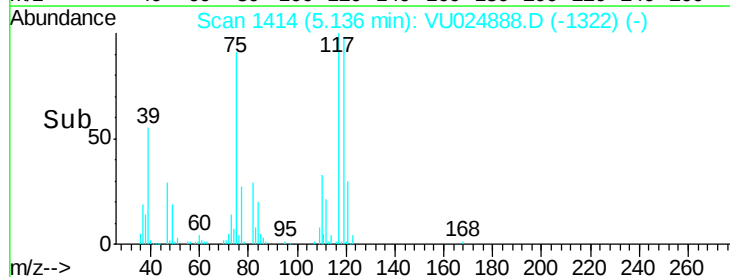
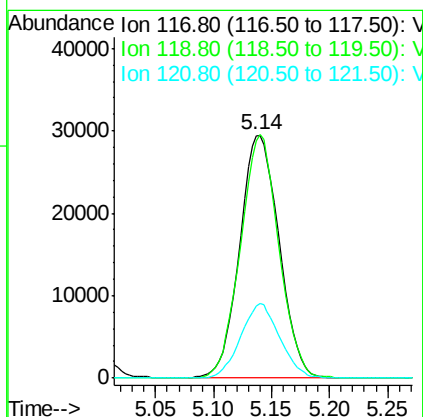
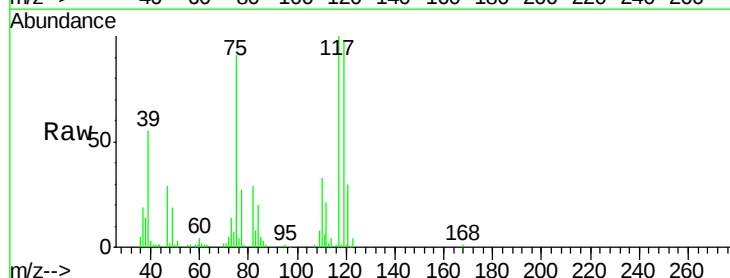
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 74260
Ion Ratio Lower Upper
43 100
61 14.4 10.5 15.7
70 10.6 7.4 11.2



#38
Carbon Tetrachloride
Concen: 19.70 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 117 Resp: 69727
Ion Ratio Lower Upper
117 100
119 97.9 76.1 114.1
121 29.6 23.7 35.5

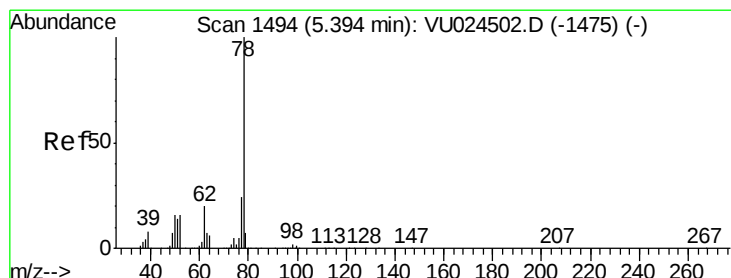
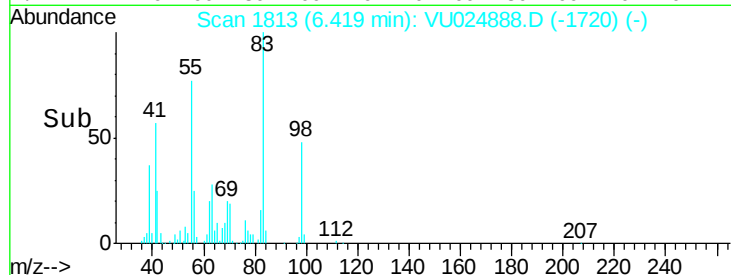
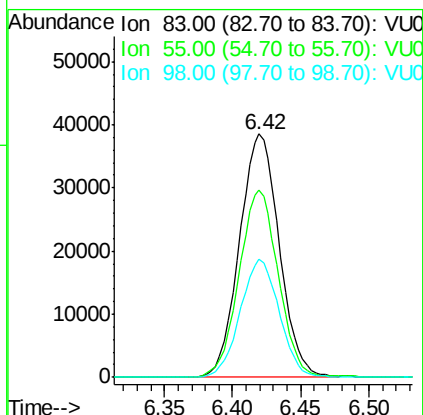
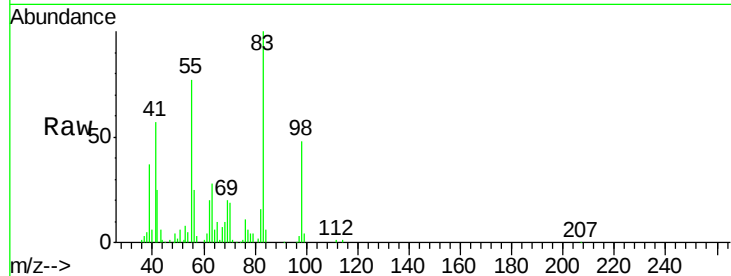




#39
Methvlcvclohexane
Concen: 19.40 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

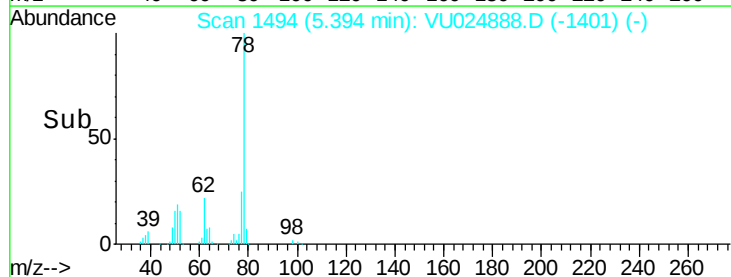
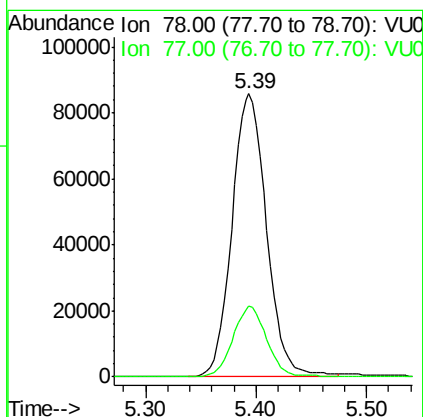
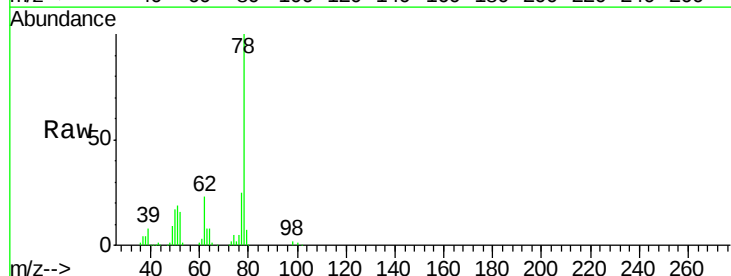
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 77904
Ion Ratio Lower Upper
83 100
55 76.8 65.8 98.6
98 48.4 36.7 55.1



#40
Benzene
Concen: 20.27 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 78 Resp: 185920
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8





#41

Methacrylonitrile

Concen: 21.96 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 41 Resp: 41536

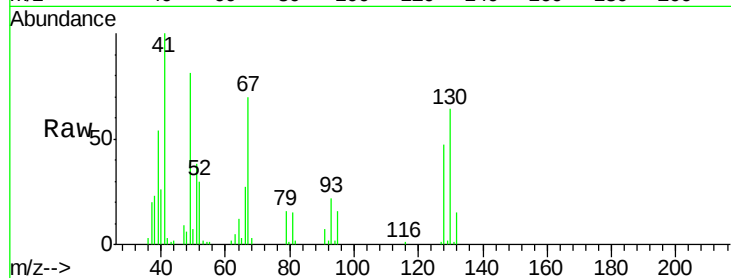
Ion Ratio Lower Upper

41 100

39 58.3 43.8 65.6

67 72.9 56.3 84.5

52 30.5 23.2 34.8

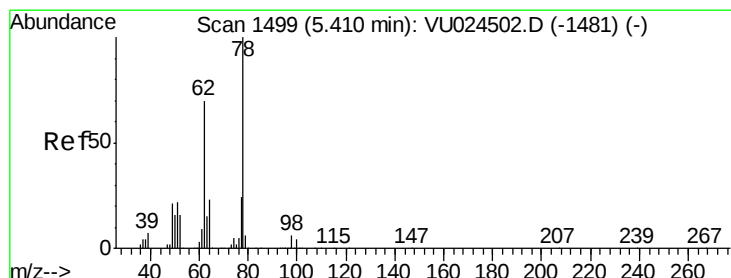
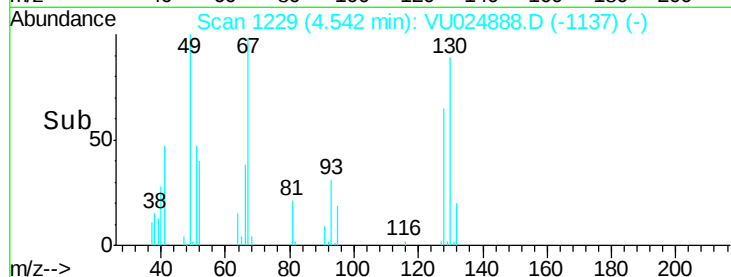
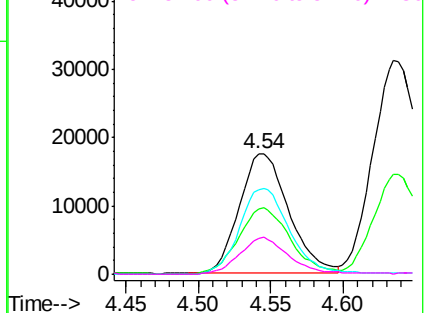


Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1214) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1214) (-)

Ion 67.00 (66.70 to 67.70): VU024502.D (-1214) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-1214) (-)



#42

1,2-Dichloroethane

Concen: 21.75 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU024888.D

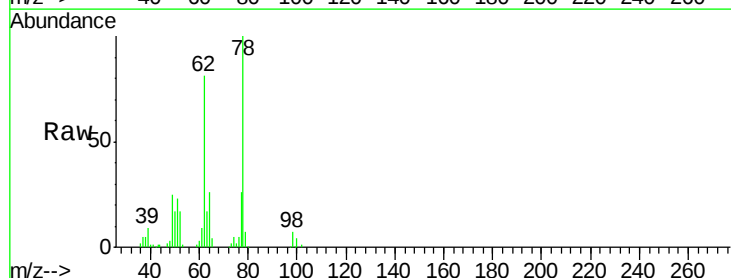
Acq: 25 Jun 2018 20:35

Tgt Ion: 62 Resp: 75956

Ion Ratio Lower Upper

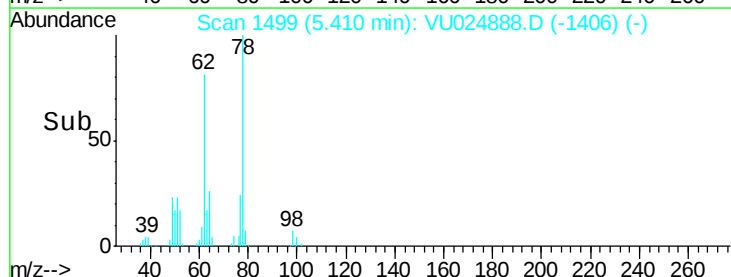
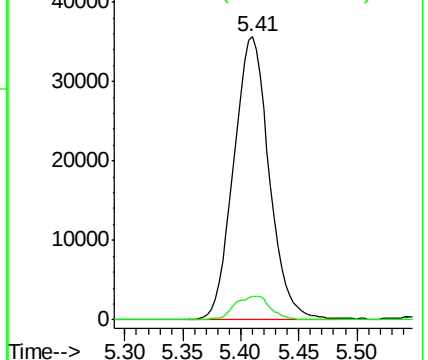
62 100

98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)



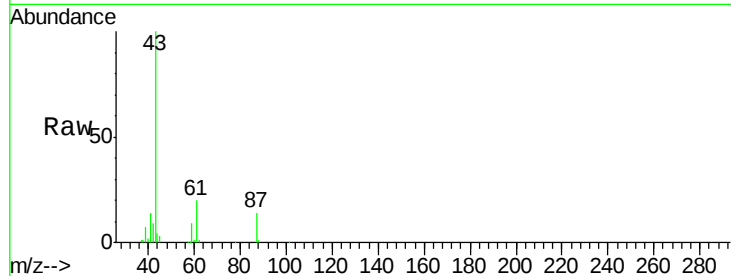


#43

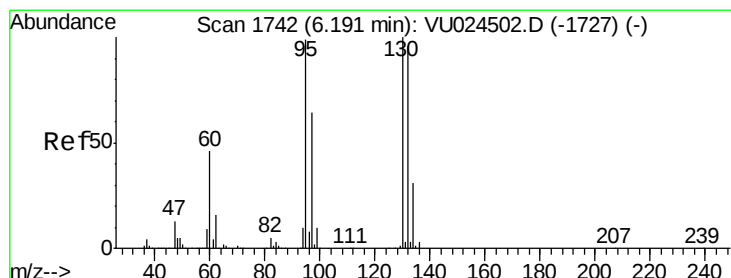
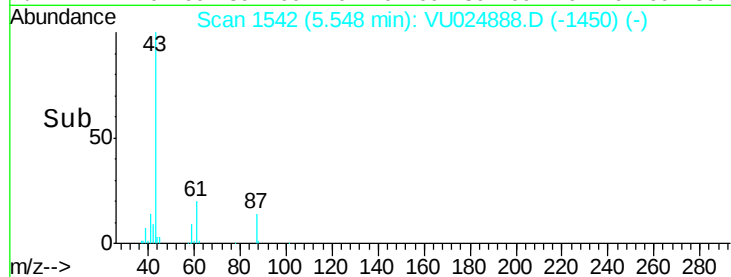
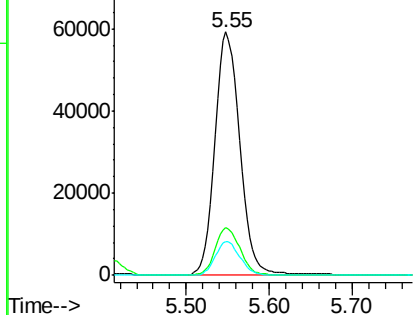
Isopropyl Acetate
 Concen: 20.55 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.6	10.0	15.0



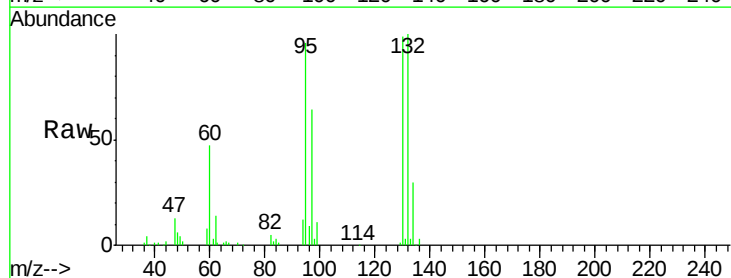
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0



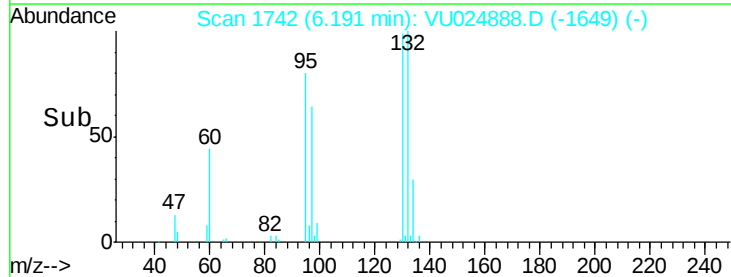
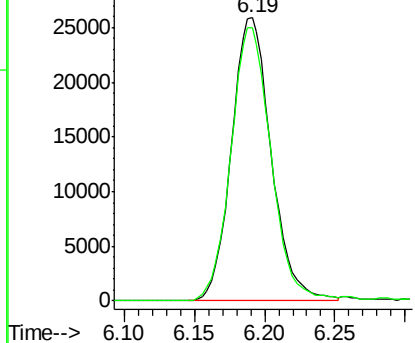
#44

Trichloroethene
 Concen: 19.57 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	202.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 21.37 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

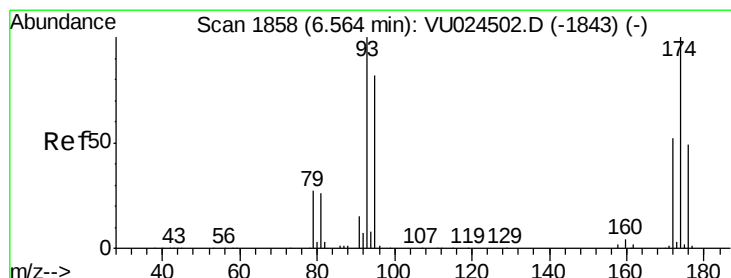
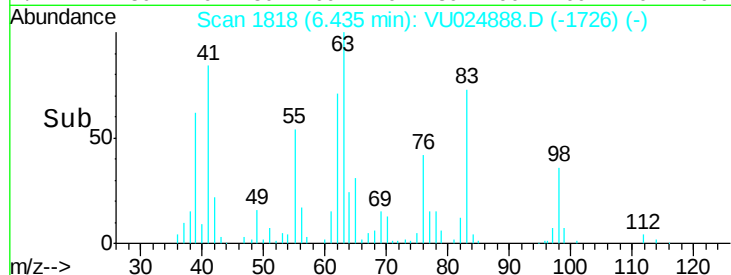
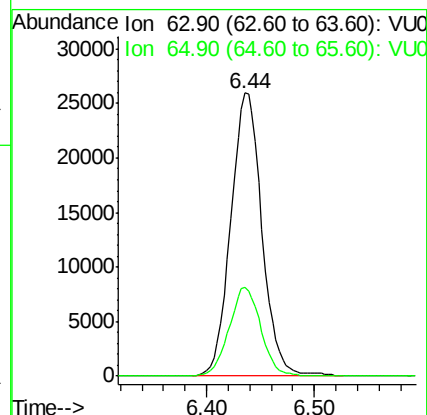
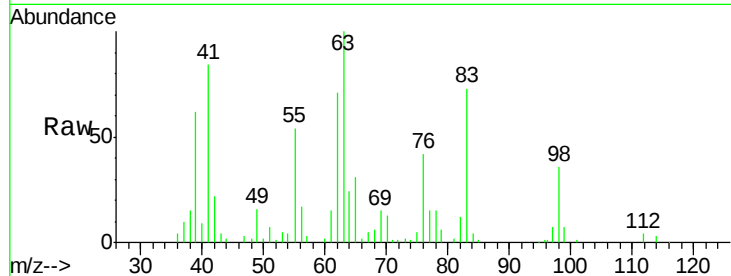
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 52291

Ion Ratio Lower Upper

63 100

65 31.4 24.8 37.2



#46

Dibromomethane

Concen: 20.85 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

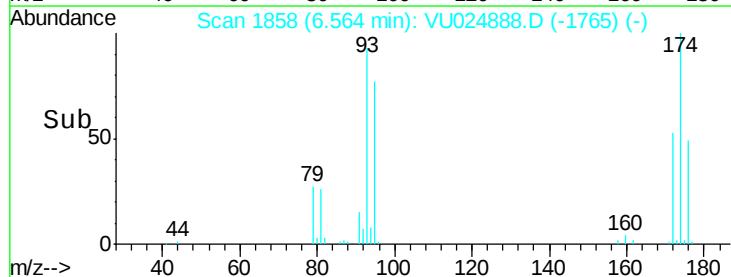
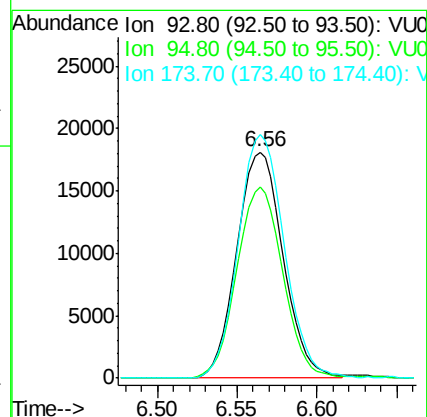
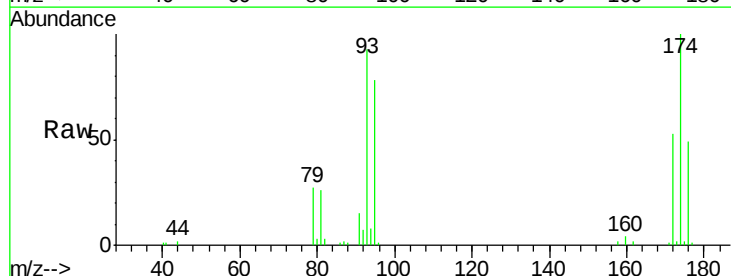
Tgt Ion: 93 Resp: 35840

Ion Ratio Lower Upper

93 100

95 84.2 65.5 98.3

174 106.9 78.7 118.1





#47

Bromodichloromethane

Concen: 20.22 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampleId :

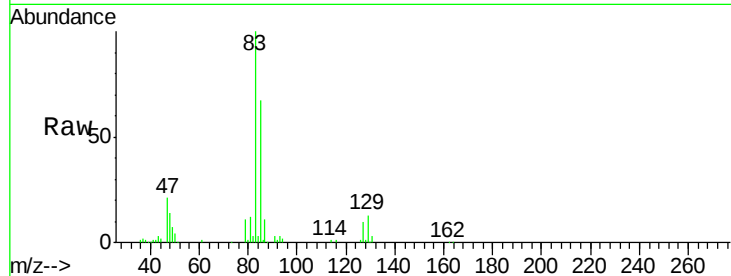
Tot Ion: 83 Resp: 69198

Ion Ratio Lower Upper

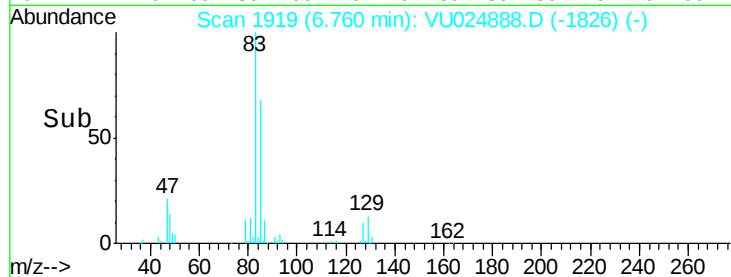
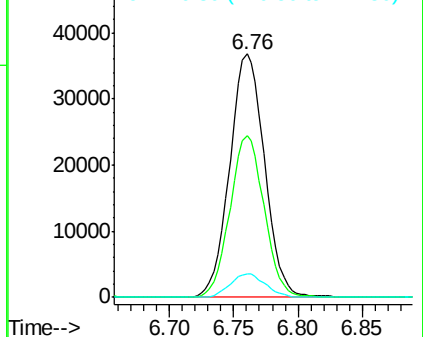
83 100

85 66.6 51.9 77.9

127 9.8 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: 21.25 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

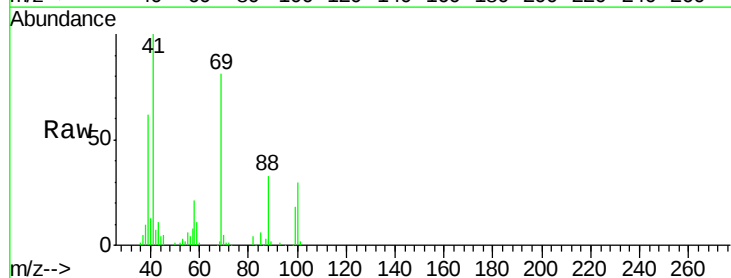
Tgt Ion: 41 Resp: 62735

Ion Ratio Lower Upper

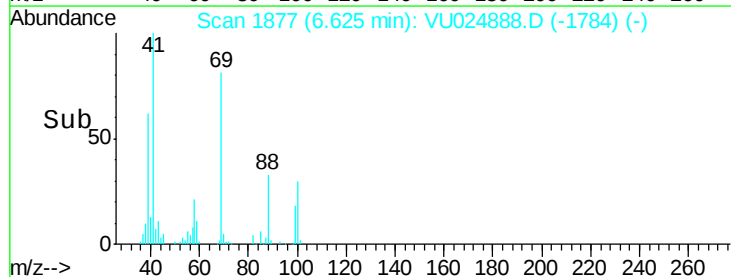
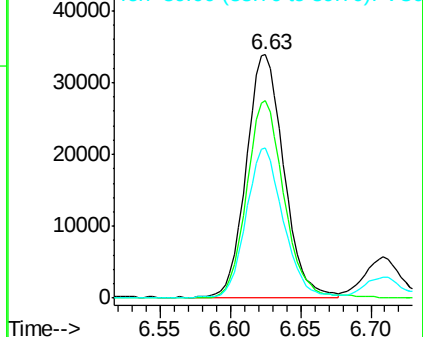
41 100

69 81.3 67.3 100.9

39 60.4 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

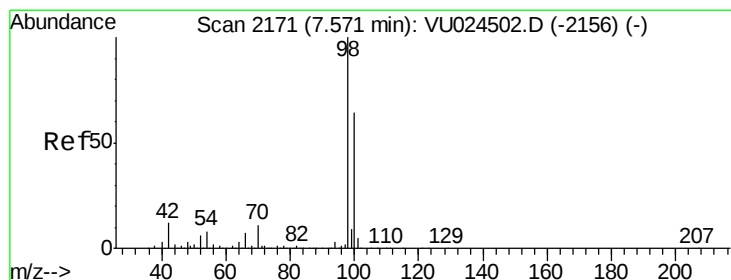
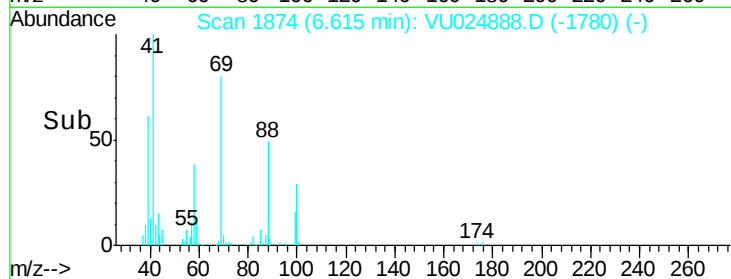
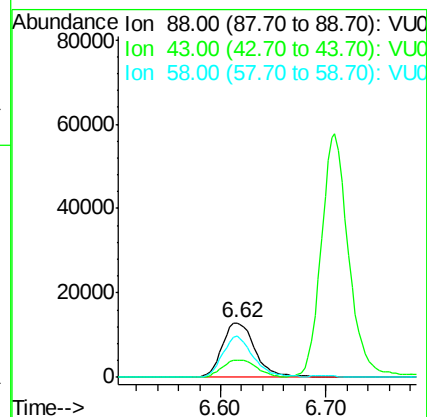
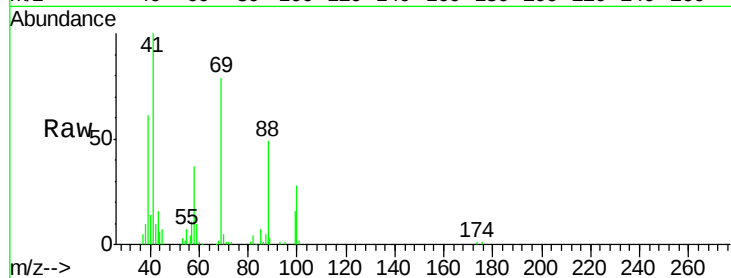




#49
 1,4-Dioxane
 Concen: 487.19 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

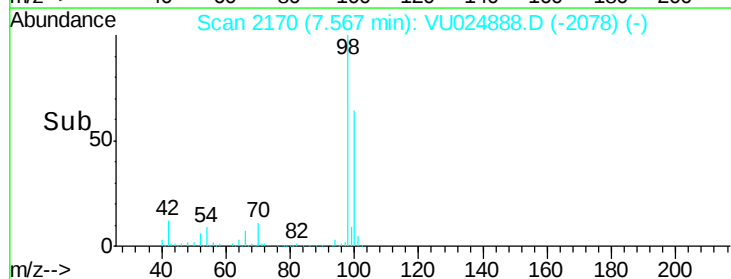
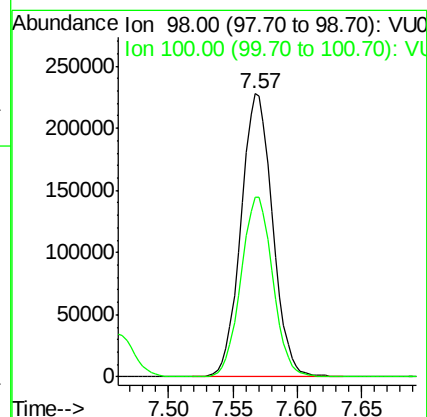
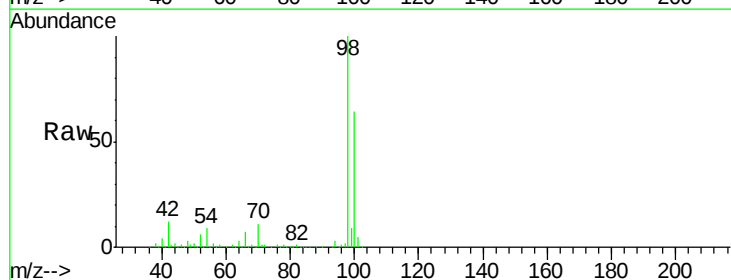
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 88 Resp: 28132
 Ion Ratio Lower Upper
 88 100
 43 33.7 28.6 42.8
 58 69.6 58.2 87.4



#50
 Toluene-d8
 Concen: 46.89 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 98 Resp: 388801
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.1 76.7

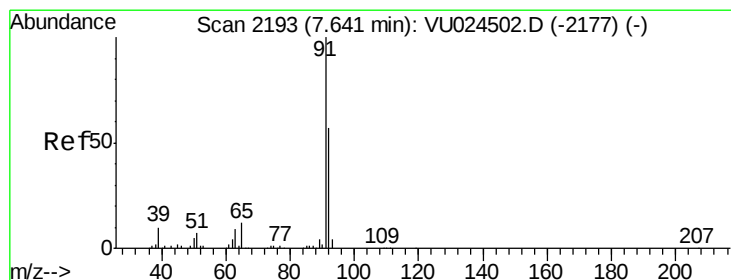
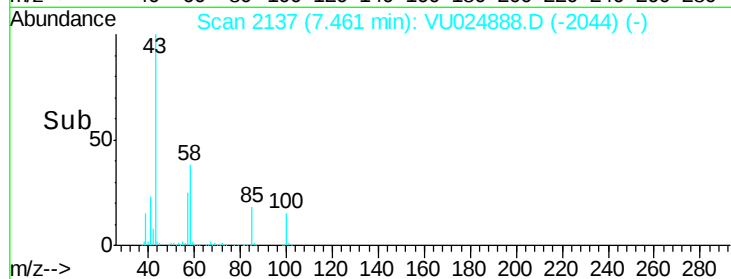
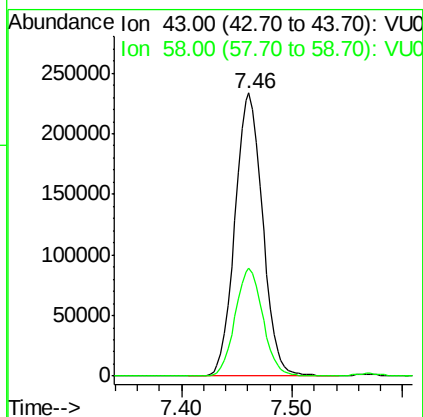
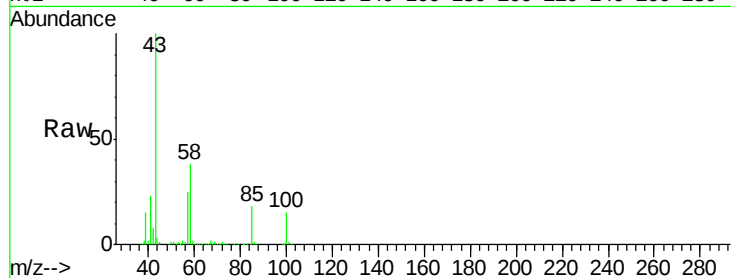




#51
 4-Methyl-2-Pentanone
 Concen: 106.61 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

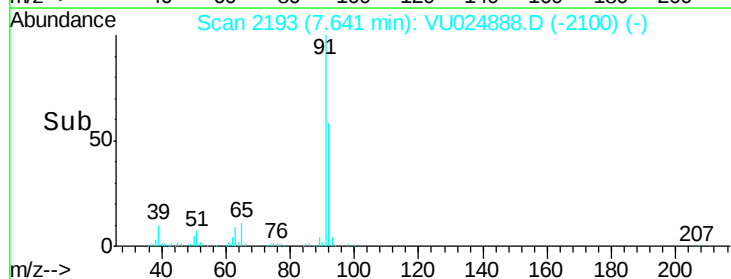
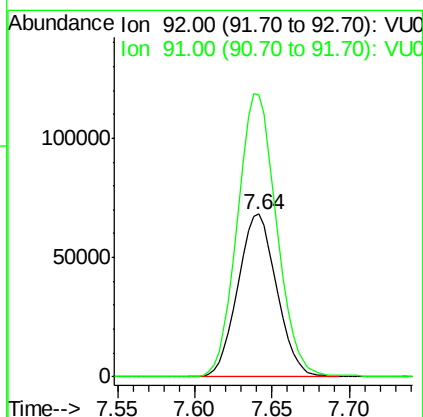
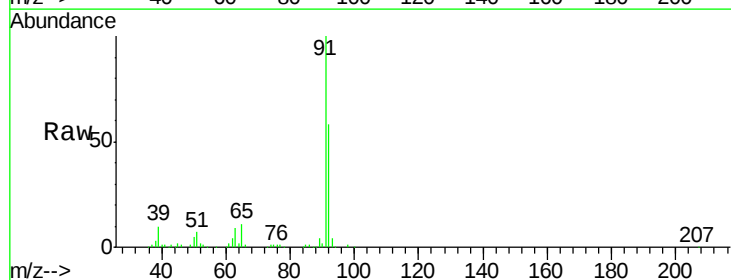
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 406124
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.0 45.0



#52
 Toluene
 Concen: 20.21 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion: 92 Resp: 119259
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.08 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

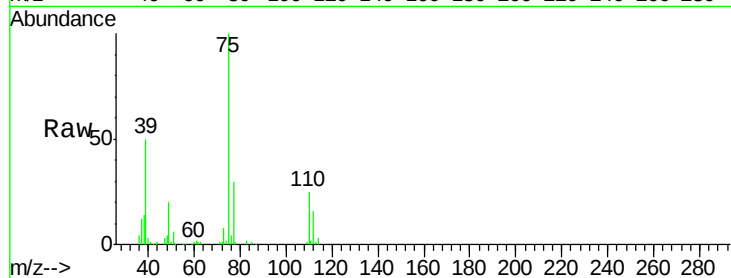
ClientSampleId :

Tot Ion: 75 Resp: 73333

Ion Ratio Lower Upper

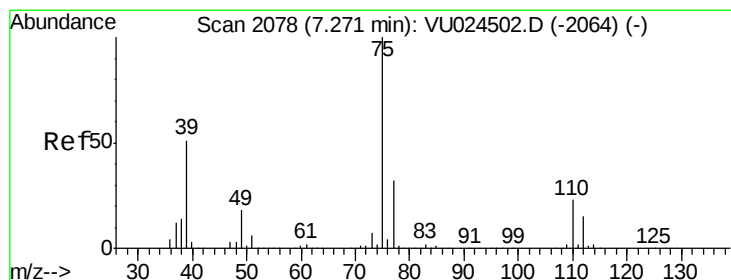
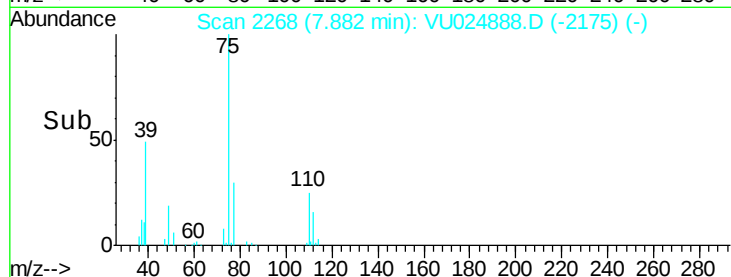
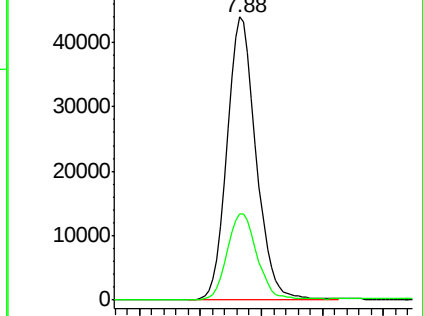
75 100

77 30.3 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: 18.95 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

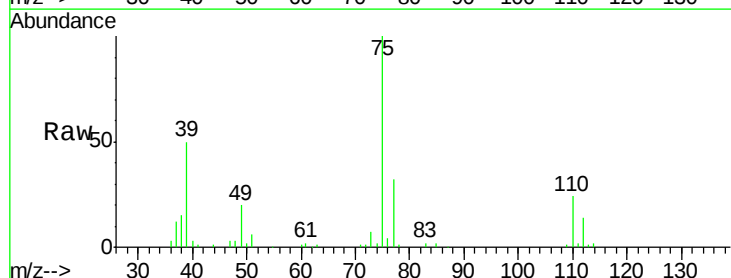
Tgt Ion: 75 Resp: 77600

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

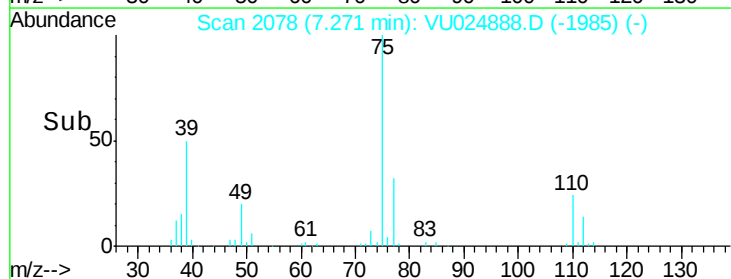
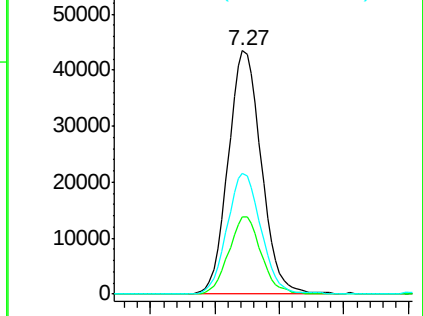
39 49.7 39.8 59.6

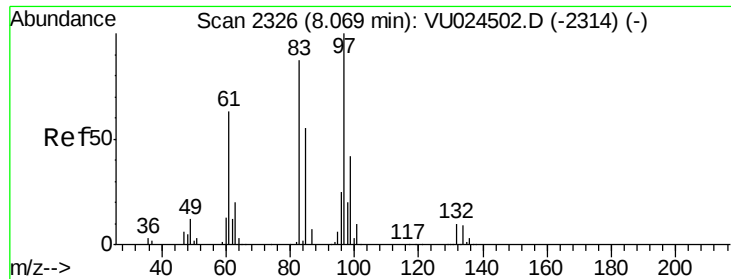


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 21.33 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 51165

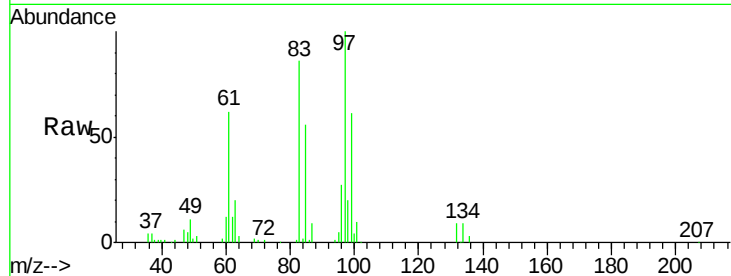
Ion Ratio Lower Upper

97 100

83 85.7 70.5 105.7

85 56.2 46.4 69.6

99 61.2 50.2 75.2

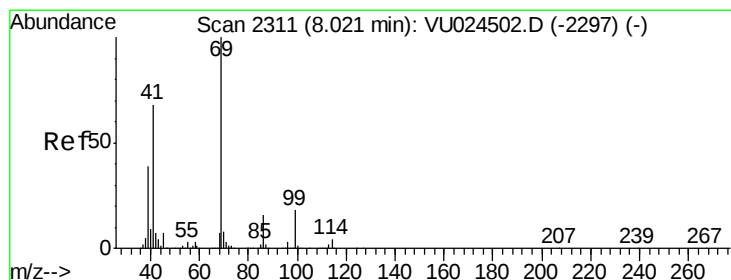
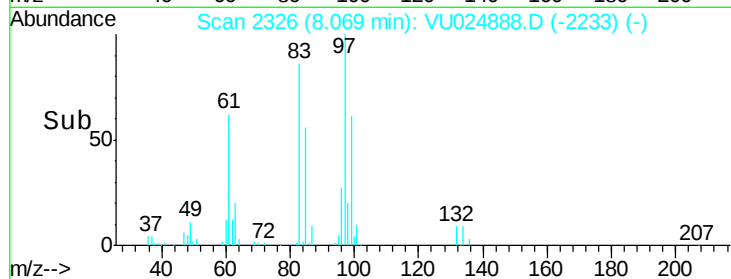
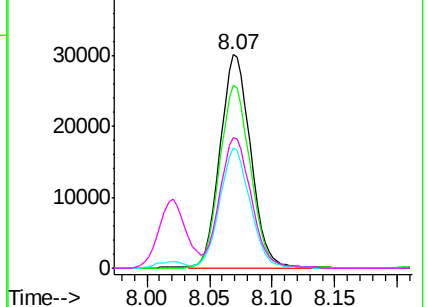


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 20.90 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

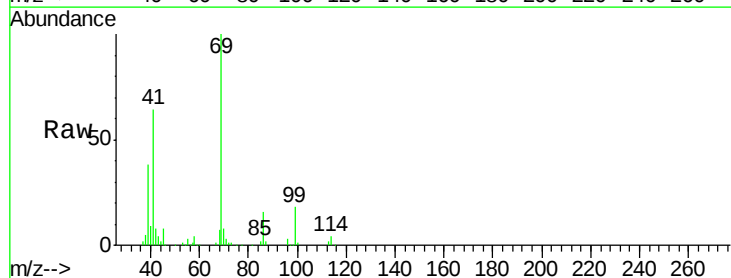
Tgt Ion: 69 Resp: 83918

Ion Ratio Lower Upper

69 100

41 66.1 54.1 81.1

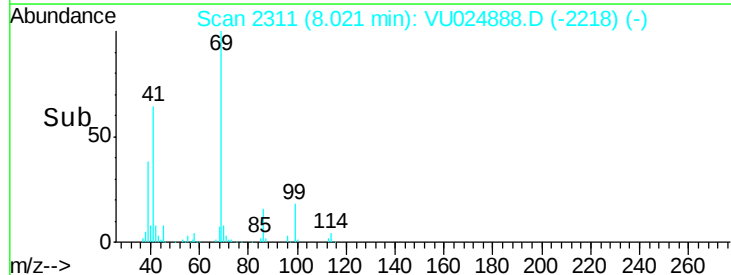
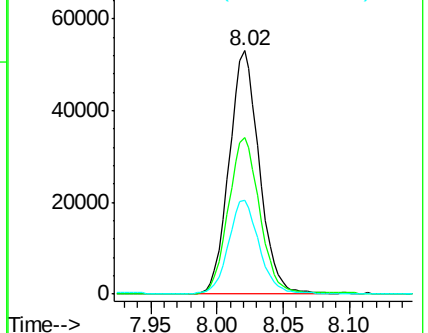
39 38.9 30.3 45.5

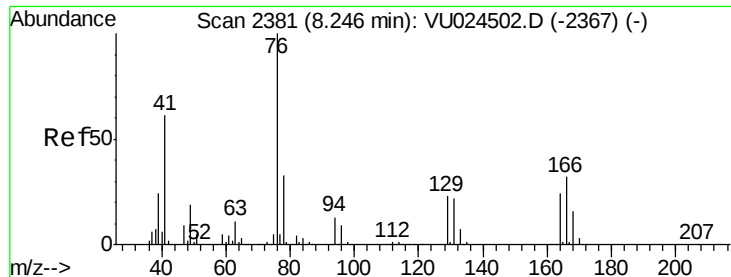


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 21.34 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

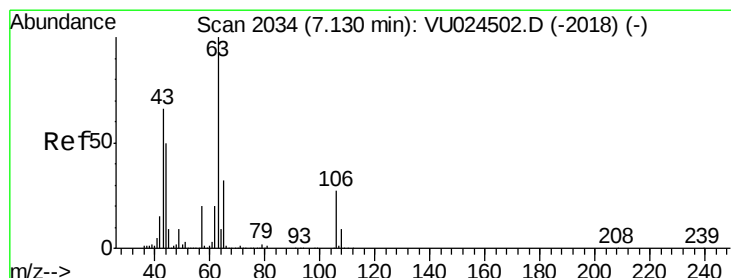
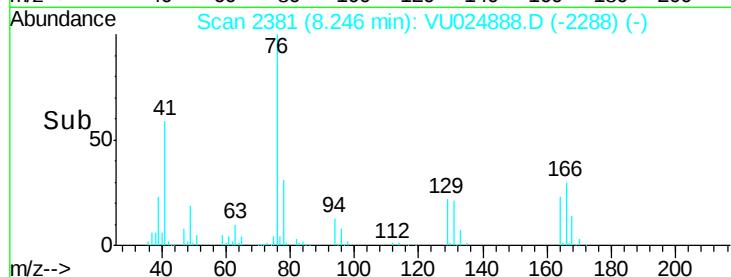
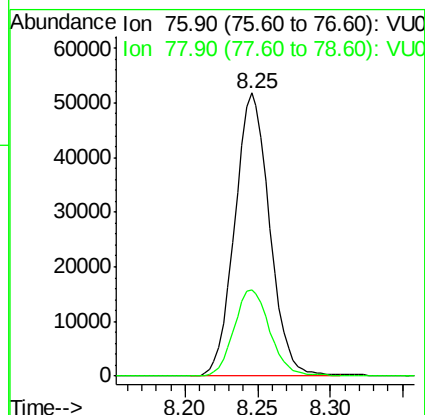
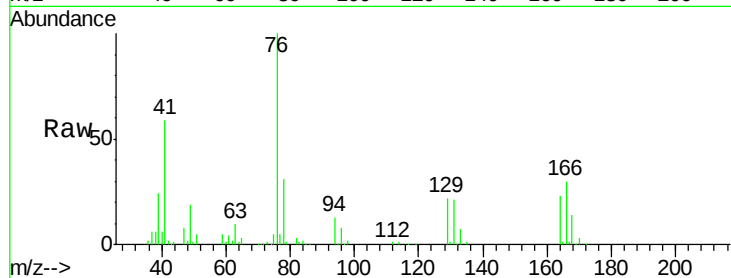
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 86321

Ion Ratio Lower Upper

76 100

78 31.6 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 16.50 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU024888.D

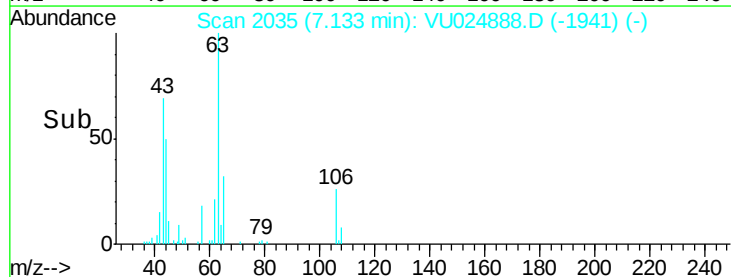
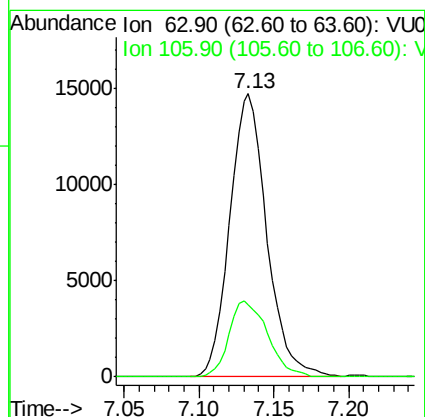
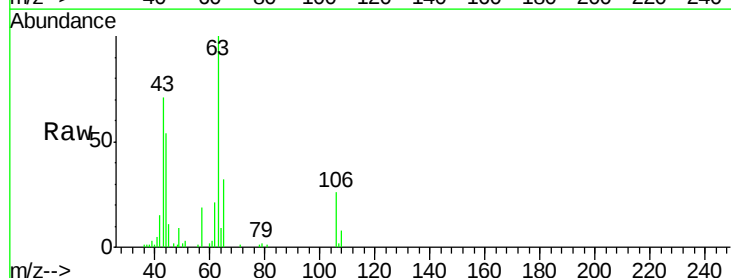
Acq: 25 Jun 2018 20:35

Tgt Ion: 63 Resp: 25372

Ion Ratio Lower Upper

63 100

106 27.9 20.2 30.2

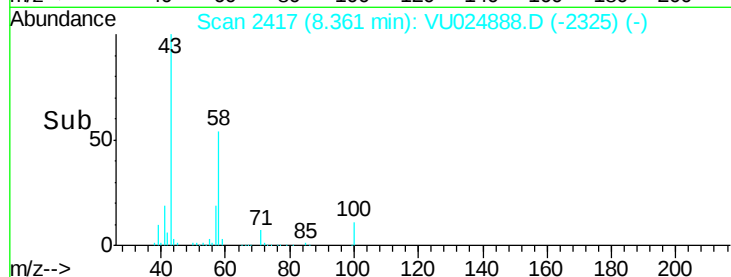
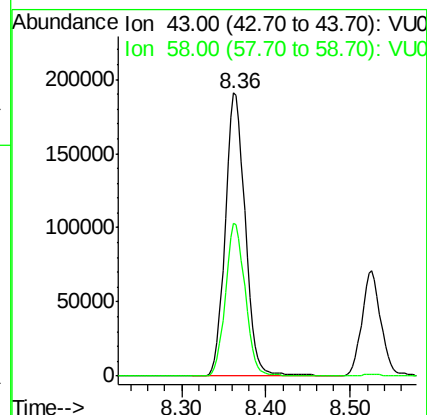
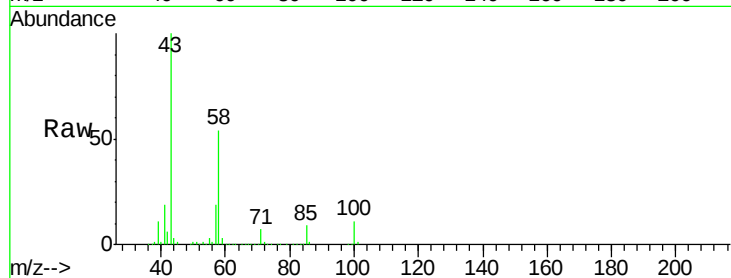




#59
2-Hexanone
Concen: 101.57 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

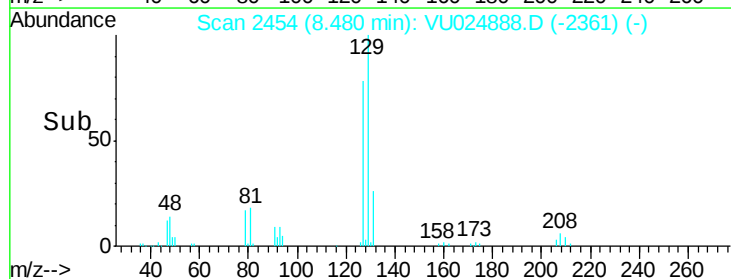
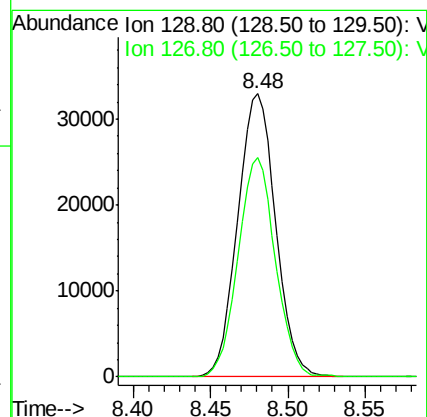
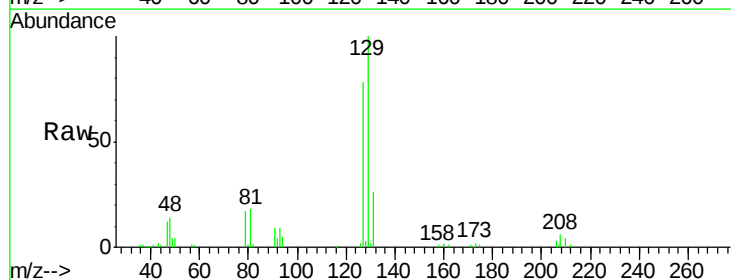
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 315890
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0



#60
Dibromochloromethane
Concen: 18.76 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 129 Resp: 56112
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.59 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

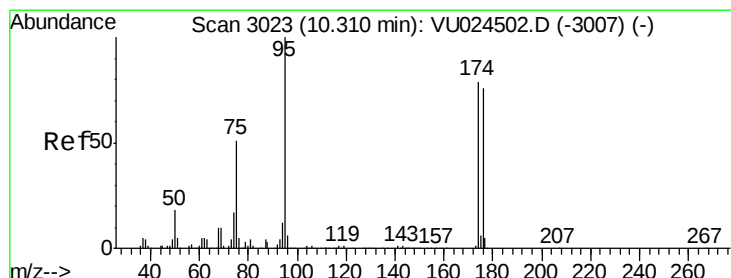
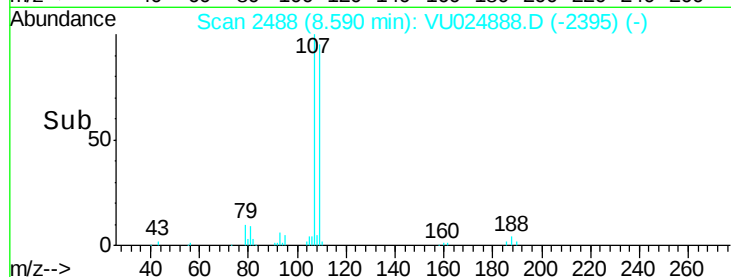
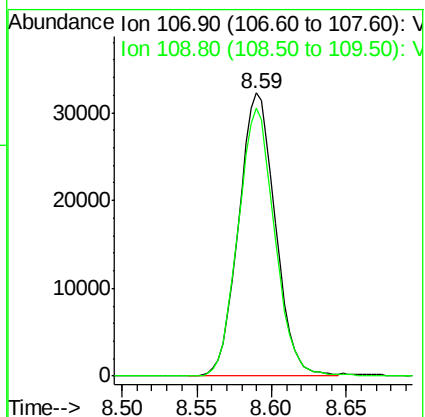
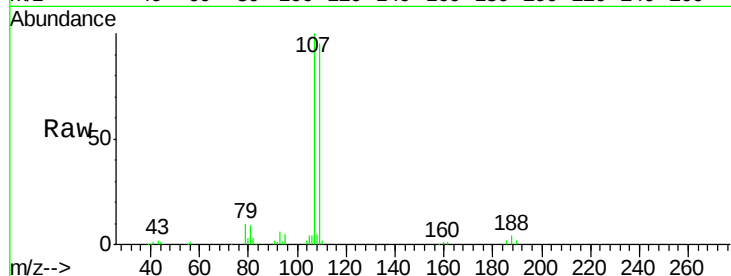
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 54978

Ion Ratio Lower Upper

107 100

109 94.1 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 46.97 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

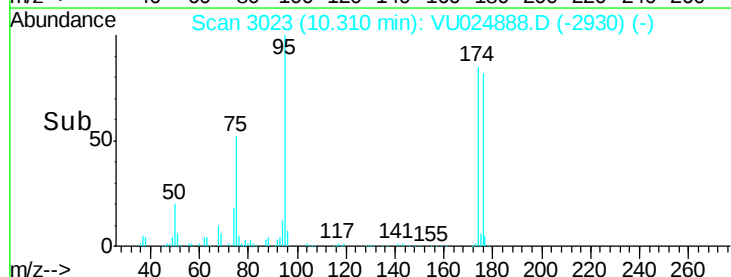
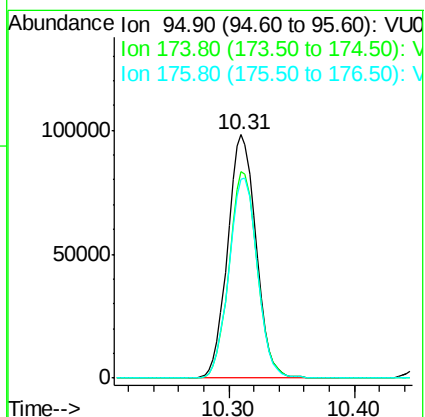
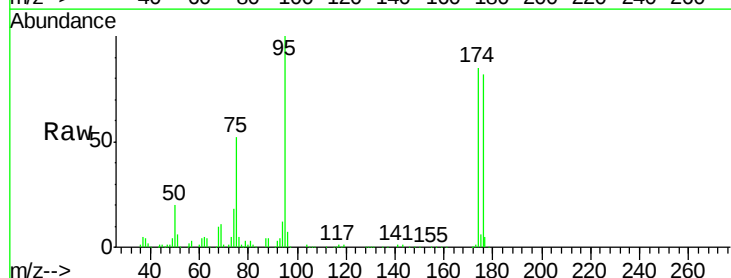
Tgt Ion: 95 Resp: 154639

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

176 82.1 0.0 159.4

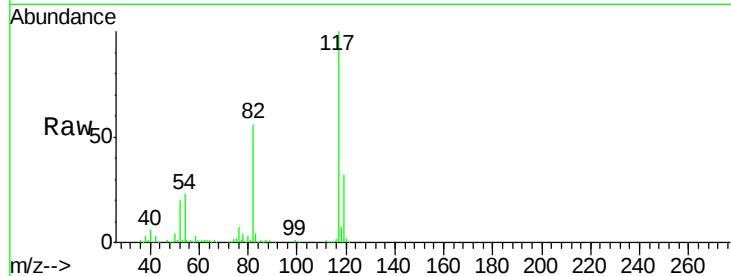




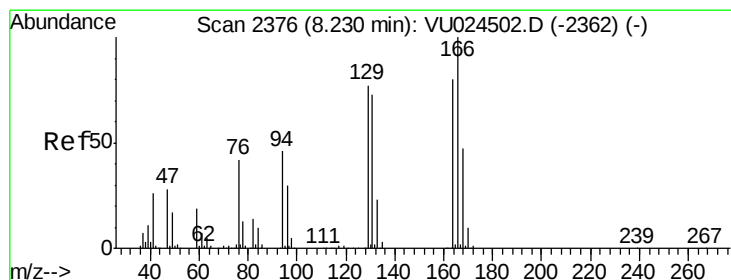
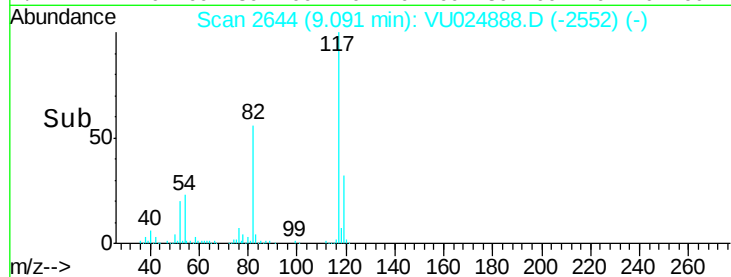
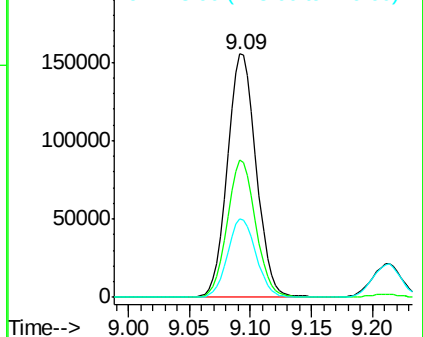
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	32.1	25.4	38.2



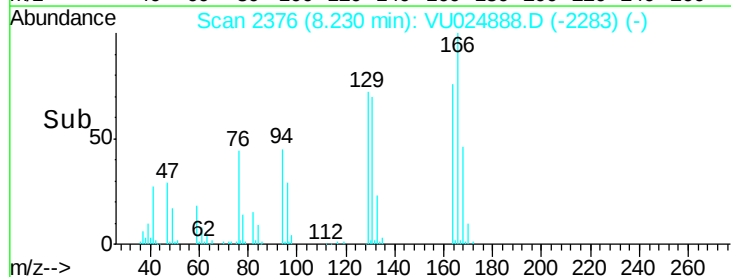
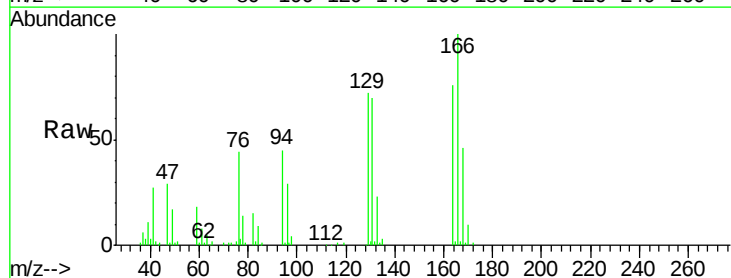
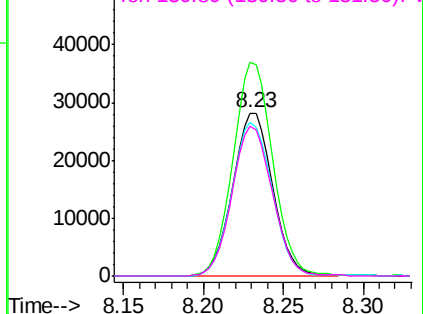
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.66 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.7	152.5
129	94.2	76.9	115.3
131	91.7	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

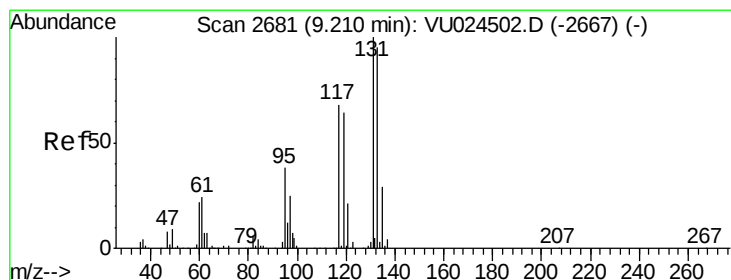
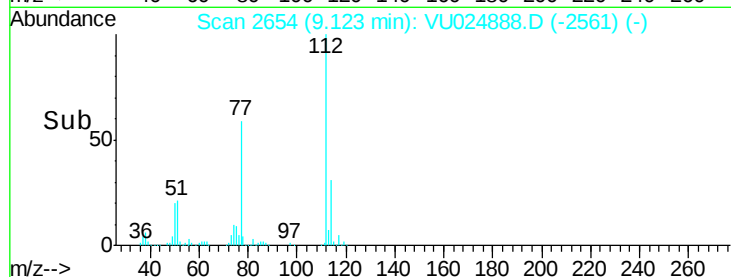
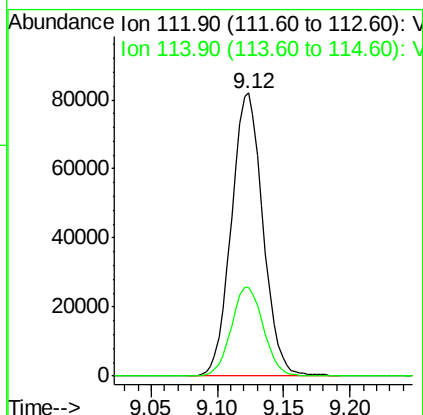
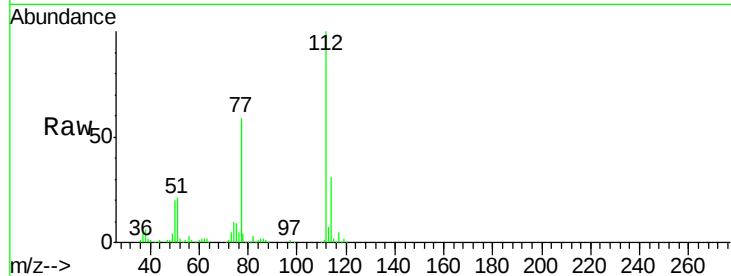




#65
Chlorobenzene
Concen: 20.71 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

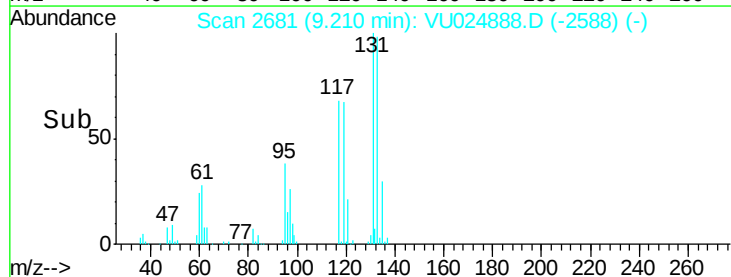
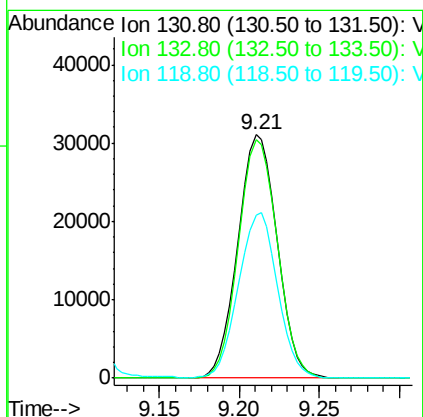
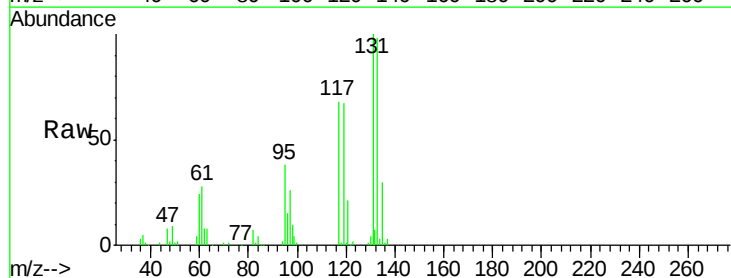
Instrument :
MSVOA_U
ClientSampleId :

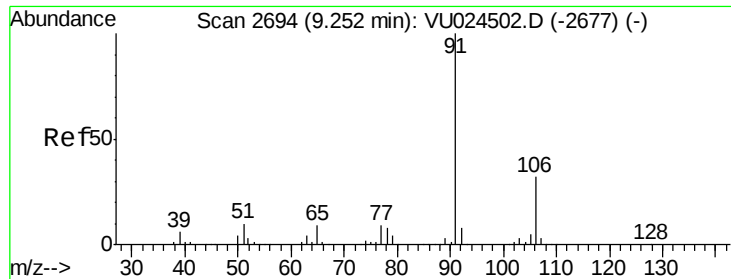
Tot Ion:112 Resp: 135744
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.96 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion:131 Resp: 52194
Ion Ratio Lower Upper
131 100
133 96.5 46.9 140.8
119 67.3 33.5 100.4

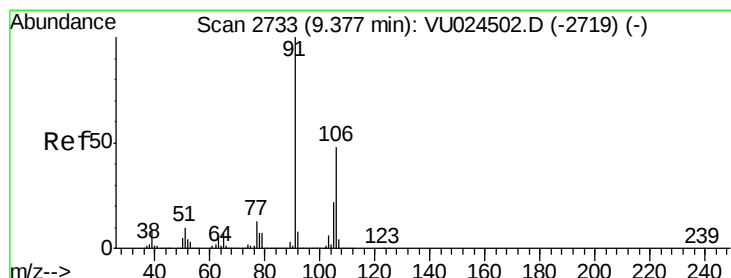
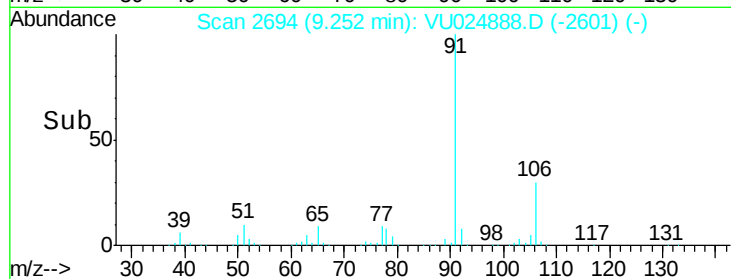
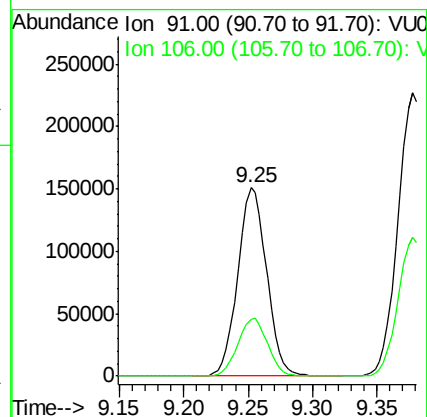
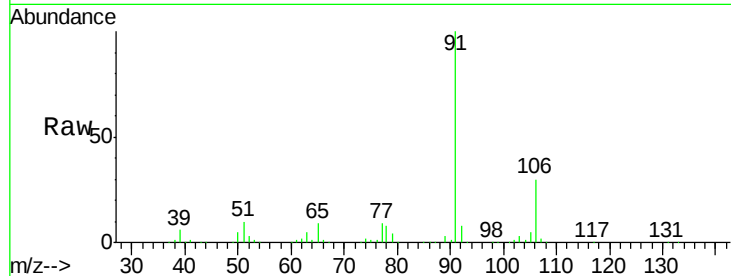




#67
Ethyl Benzene
Concen: 20.52 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

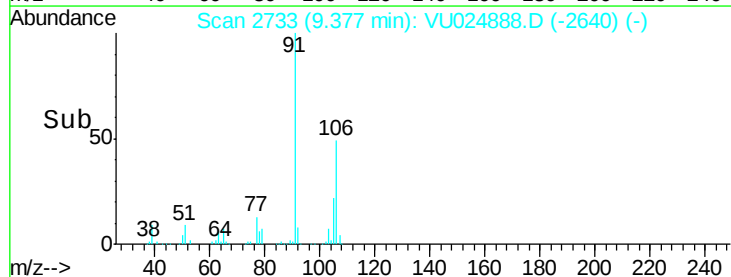
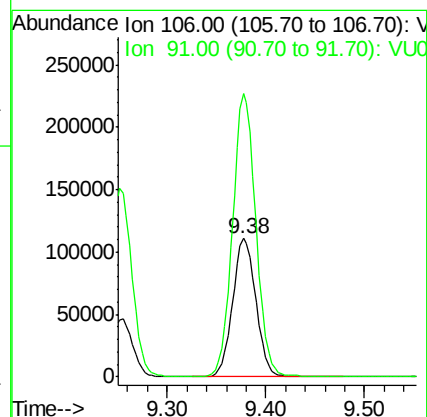
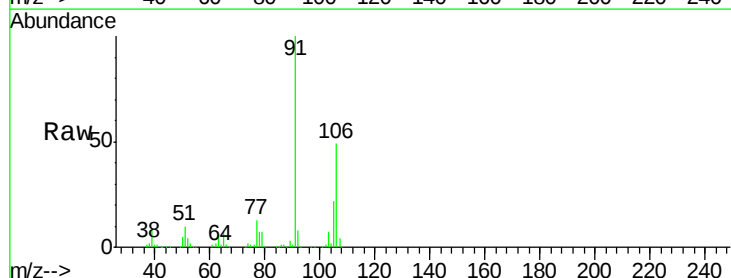
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 235752
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4



#68
m/p-Xylenes
Concen: 41.61 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion: 106 Resp: 183579
Ion Ratio Lower Upper
106 100
91 203.6 166.5 249.7

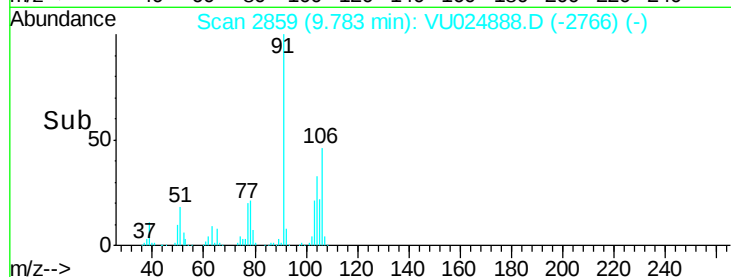
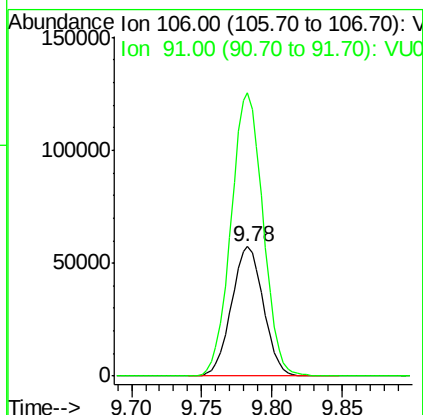
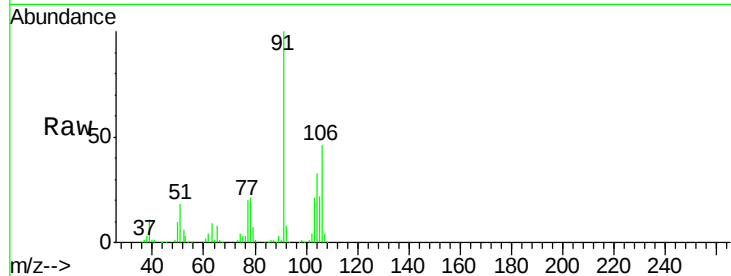




#69
o-Xylene
Concen: 20.80 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

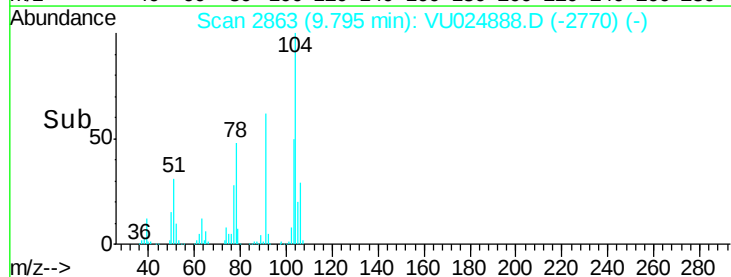
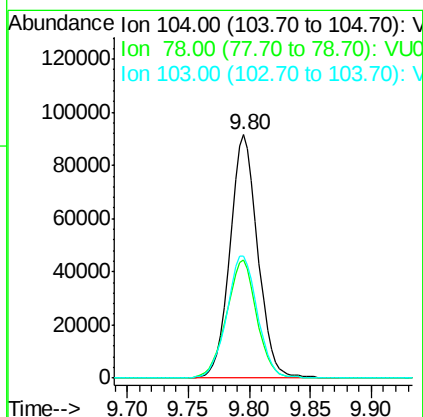
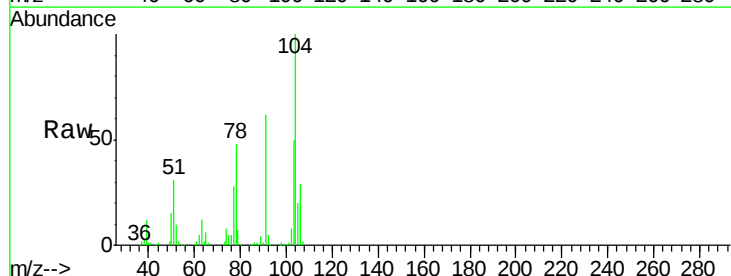
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 90841
Ion Ratio Lower Upper
106 100
91 219.6 110.7 331.9



#70
Styrene
Concen: 20.31 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024888.D
Acq: 25 Jun 2018 20:35

Tgt Ion:104 Resp: 145774
Ion Ratio Lower Upper
104 100
78 52.8 40.6 60.8
103 55.6 44.7 67.1





#71

Bromoform

Concen: 18.71 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampleId :

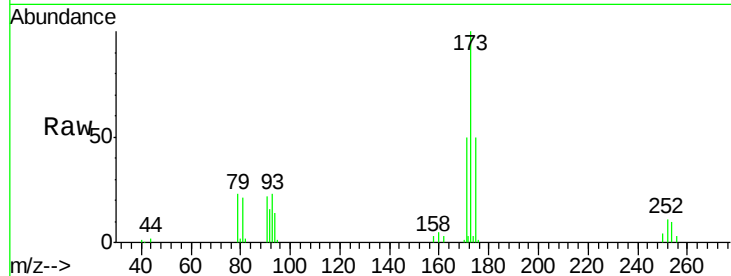
Tot Ion:173 Resp: 44275

Ion Ratio Lower Upper

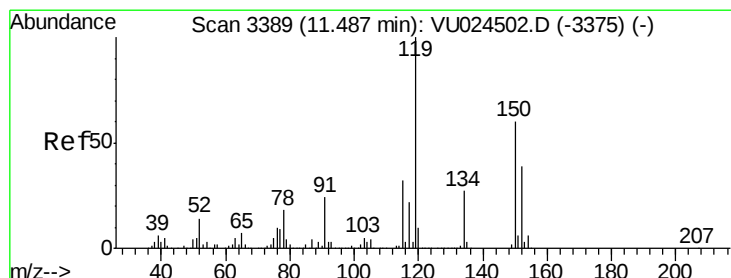
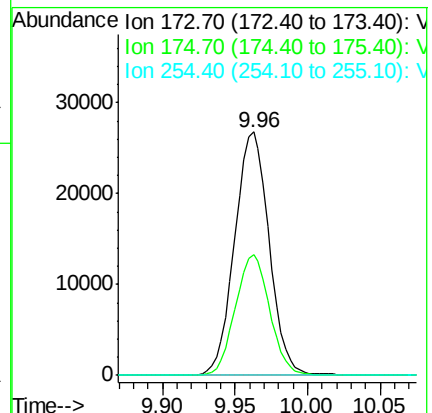
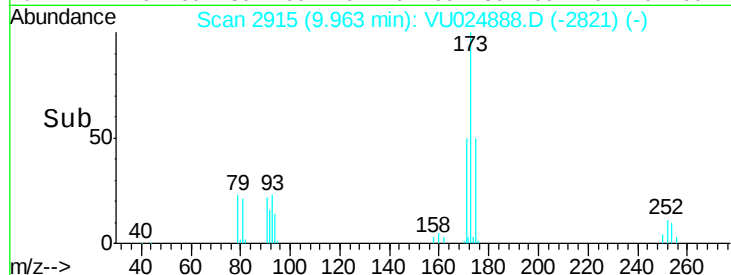
173 100

175 49.1 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

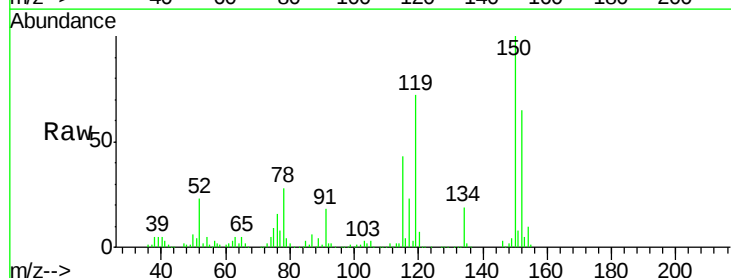
Tgt Ion:152 Resp: 148545

Ion Ratio Lower Upper

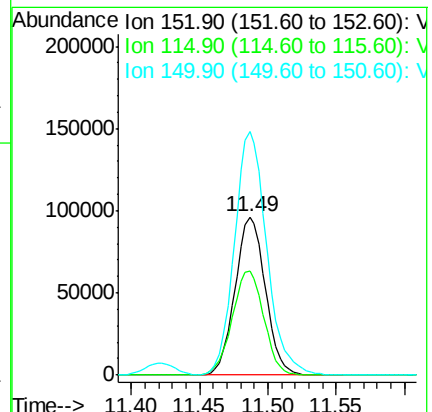
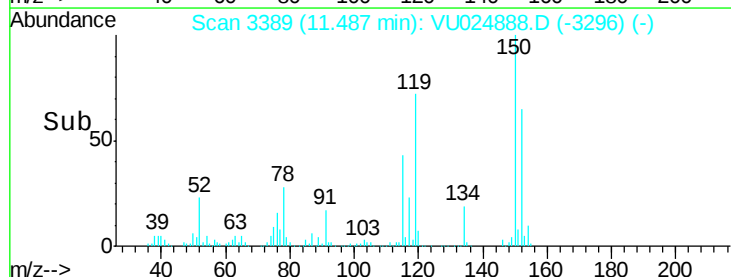
152 100

115 68.6 43.0 129.0

150 163.2 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.34 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

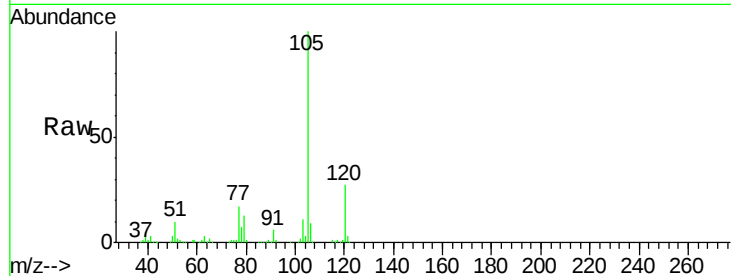
ClientSampleId :

Tot Ion:105 Resp: 243321

Ion Ratio Lower Upper

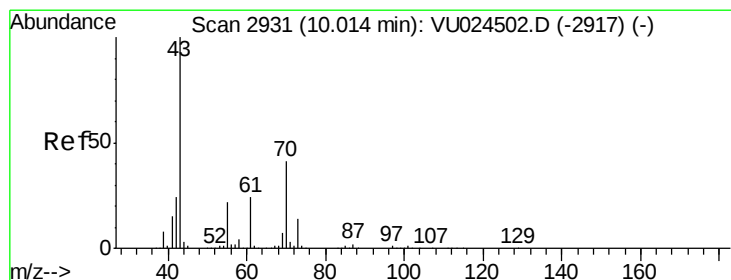
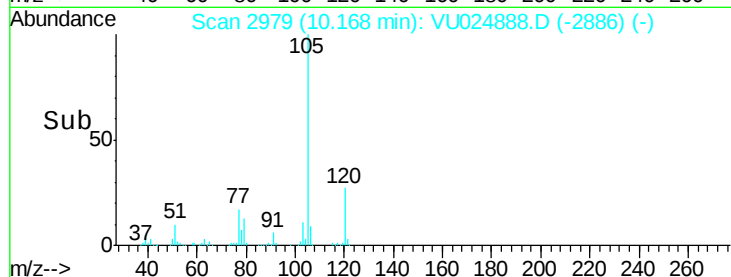
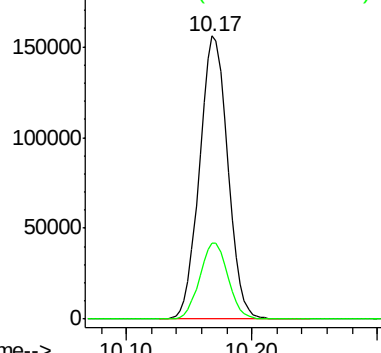
105 100

120 27.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.75 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Tgt Ion: 43 Resp: 107155

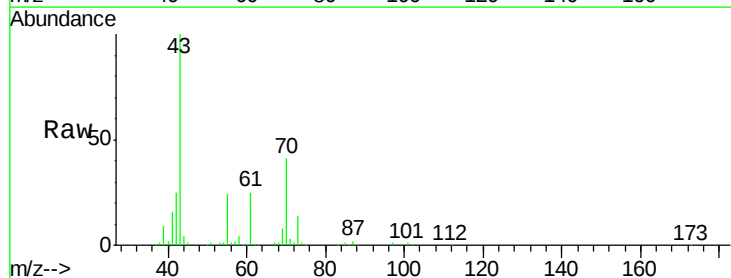
Ion Ratio Lower Upper

43 100

70 40.6 32.2 48.4

55 23.9 20.5 30.7

61 24.0 18.7 28.1

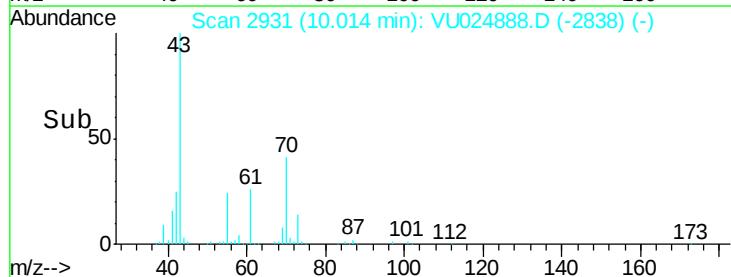
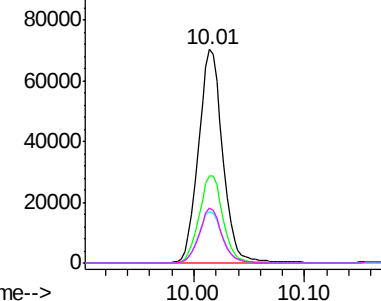


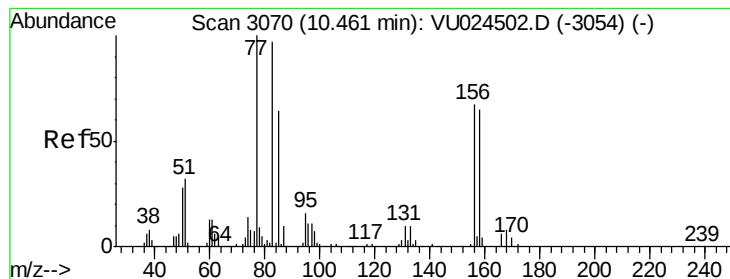
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

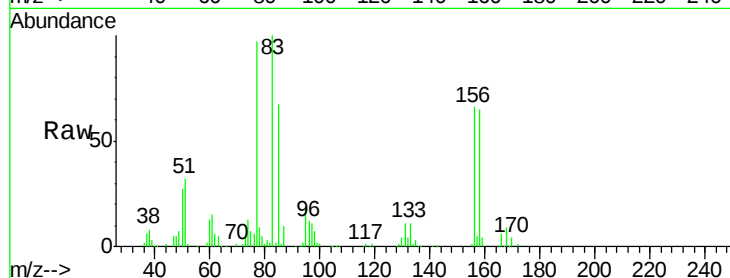
Tot Ion: 83 Resp: 84938

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

85 65.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024888.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024888.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024888.D (-2977) (-)

10.46

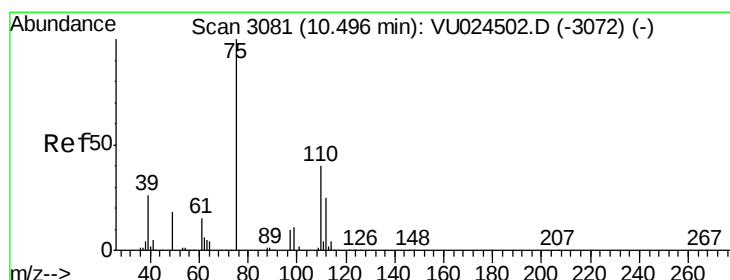
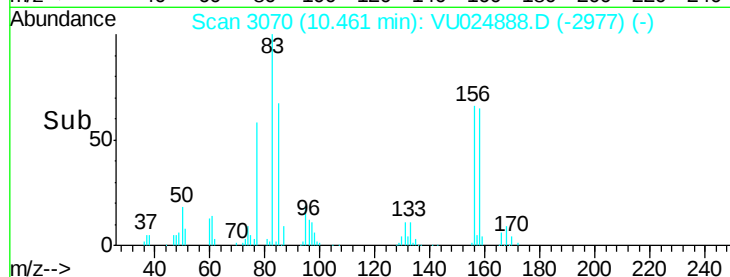
40000

20000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.61 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024888.D

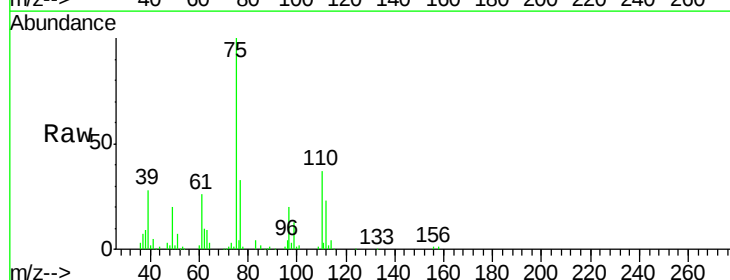
Acq: 25 Jun 2018 20:35

Tgt Ion: 75 Resp: 96839

Ion Ratio Lower Upper

75 100

77 32.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024888.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024888.D (-2988) (-)

10.50

60000

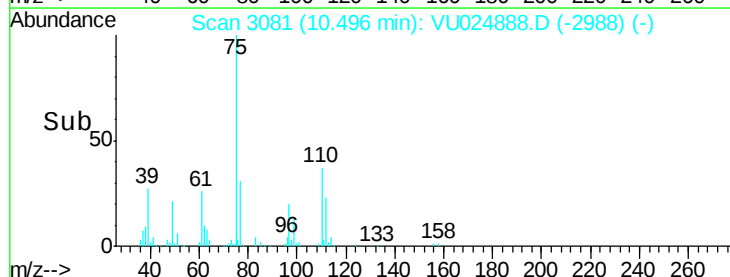
40000

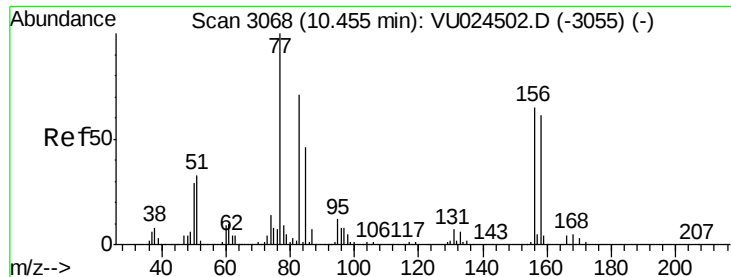
20000

0

10.45 10.55

Time-->





#77

Bromobenzene

Concen: 21.76 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

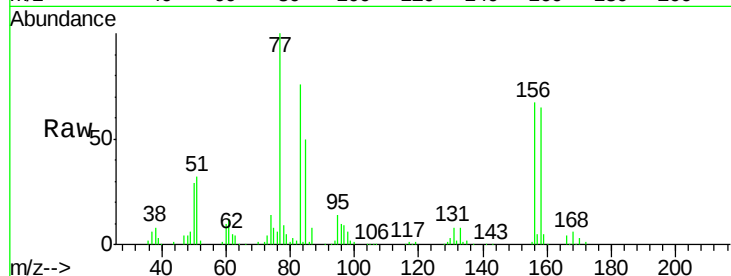
Tot Ion:156 Resp: 62820

Ion Ratio Lower Upper

156 100

77 151.8 80.5 241.3

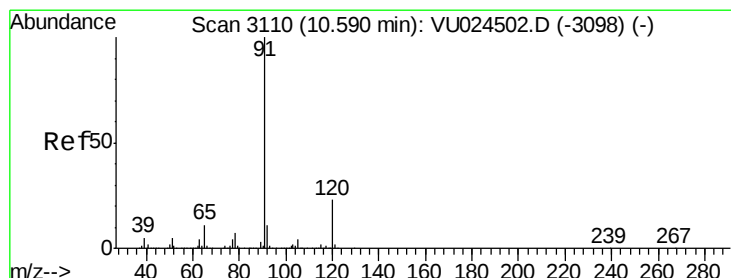
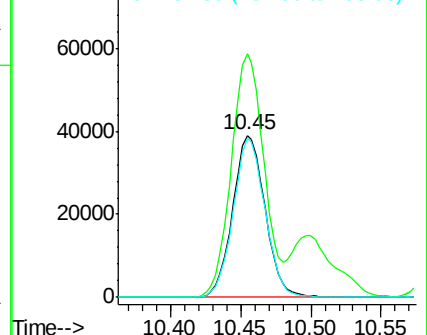
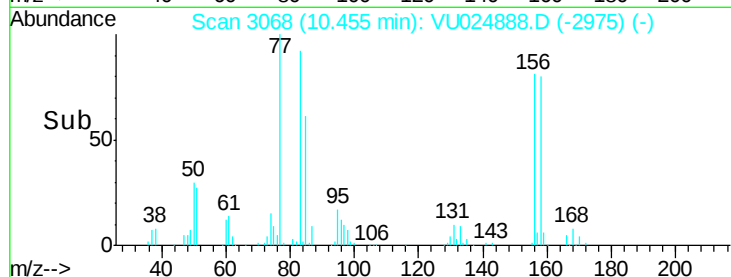
158 96.7 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.44 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024888.D

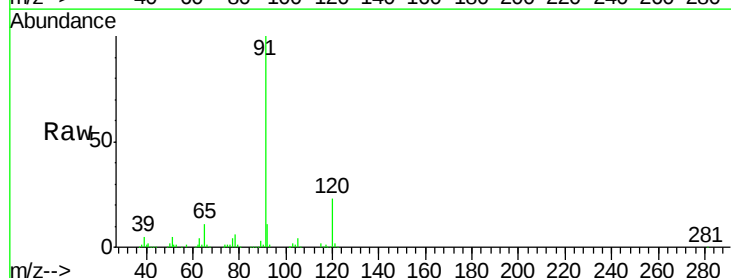
Acq: 25 Jun 2018 20:35

Tgt Ion: 91 Resp: 274575

Ion Ratio Lower Upper

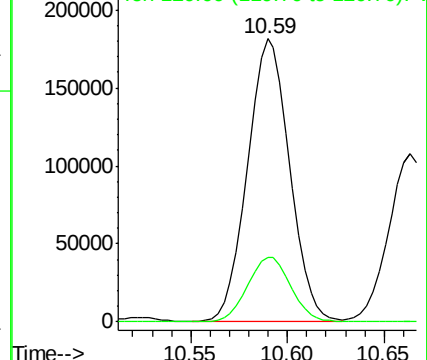
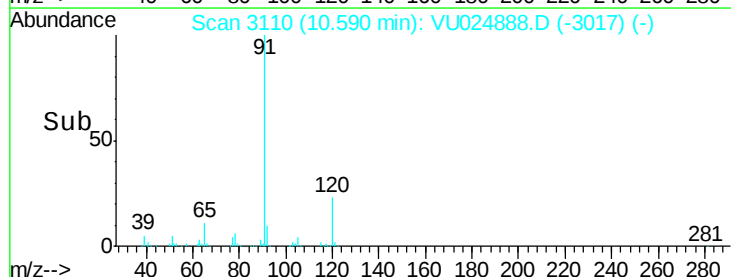
91 100

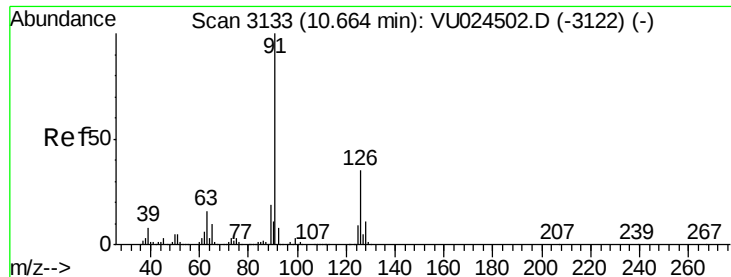
120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.04 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

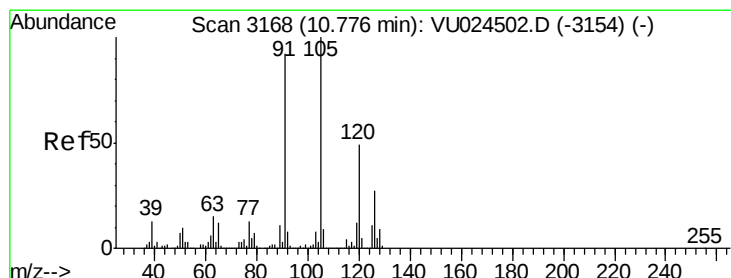
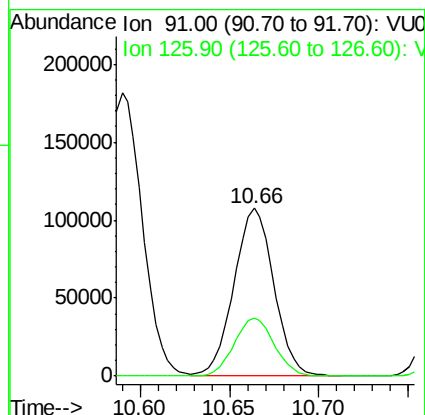
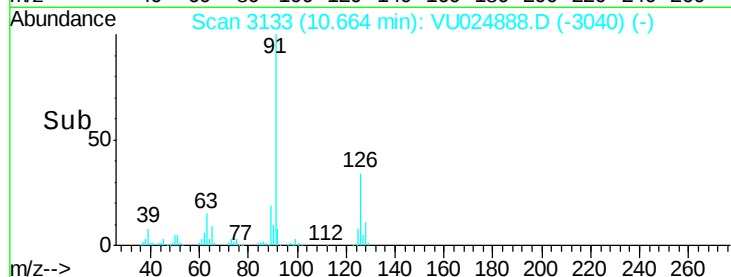
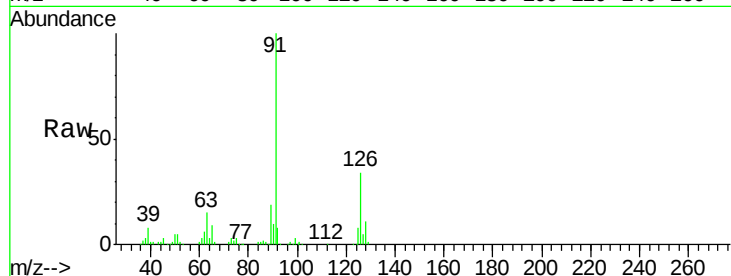
ClientSampled :

Tot Ion: 91 Resp: 166720

Ion Ratio Lower Upper

91 100

126 35.1 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.15 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024888.D

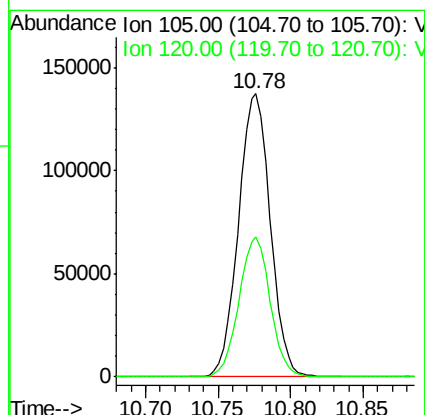
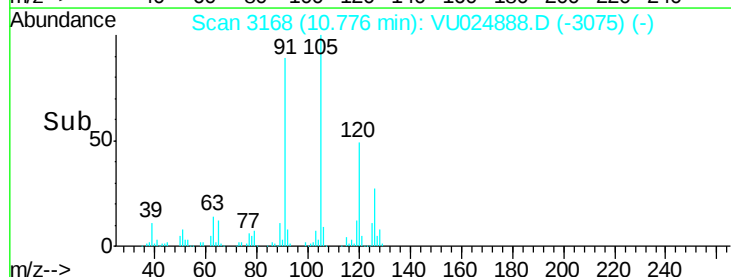
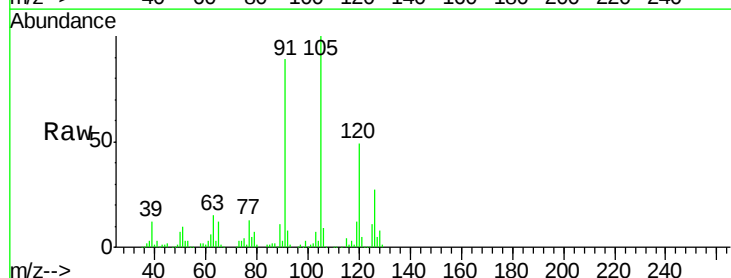
Acq: 25 Jun 2018 20:35

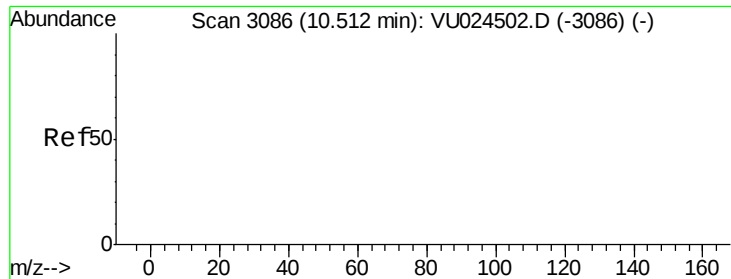
Tgt Ion: 105 Resp: 209029

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.53 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

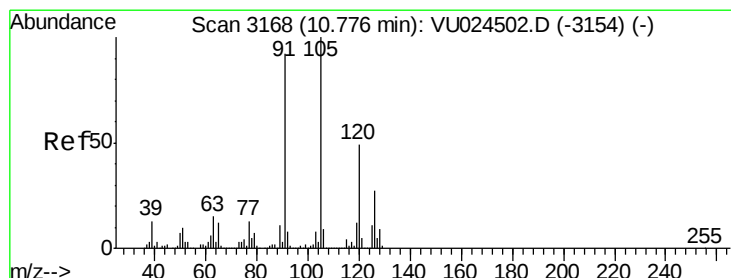
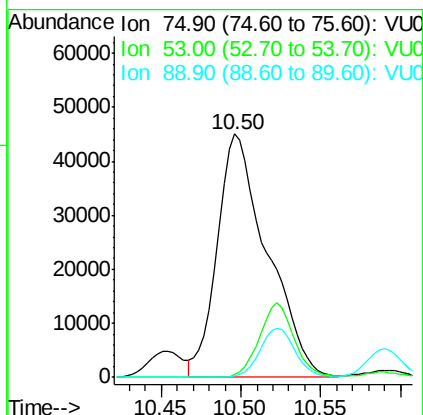
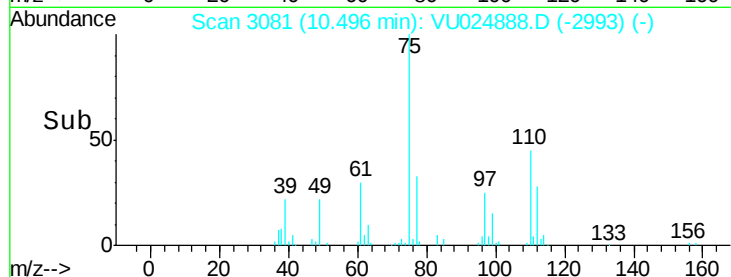
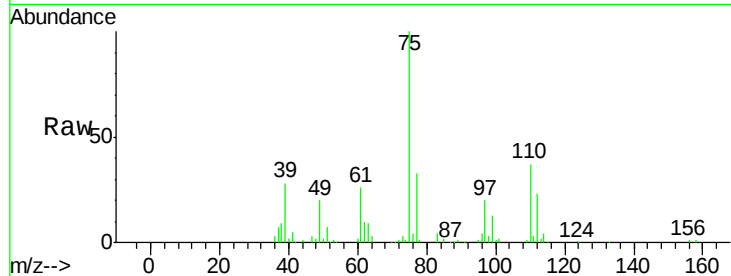
Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 96839

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



#82

4-Chlorotoluene

Concen: 20.66 ug/l

RT: 10.78 min Scan# 3168

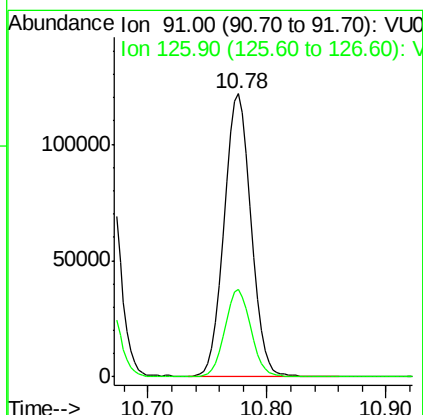
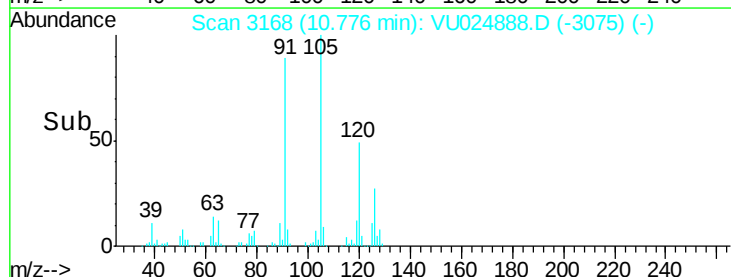
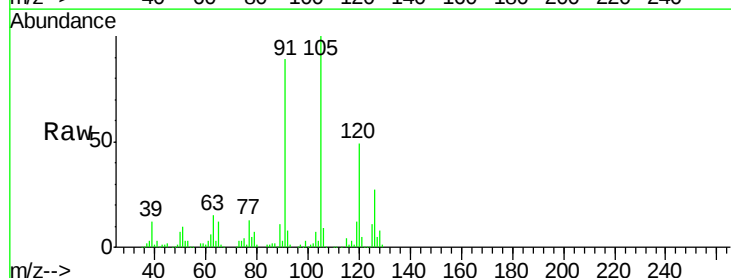
Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Tgt Ion: 91 Resp: 190522

Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.9





#83

tert-Butylbenzene

Concen: 21.77 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

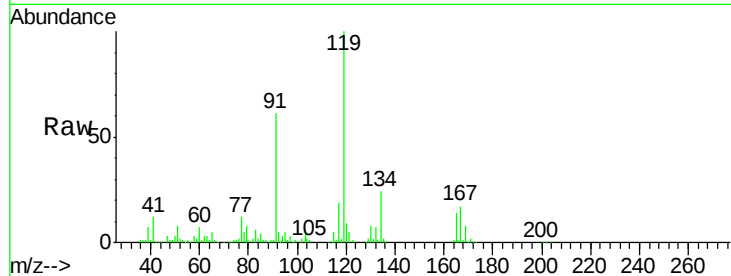
Tot Ion:119 Resp: 207049

Ion Ratio Lower Upper

119 100

91 60.8 29.7 89.1

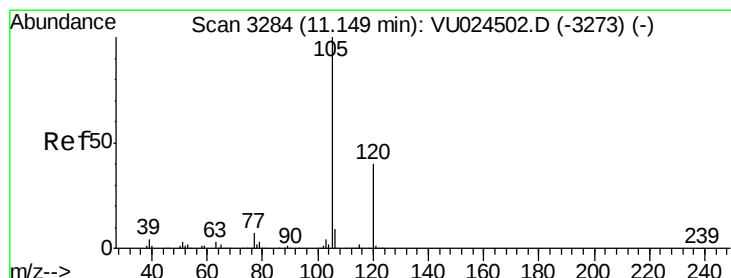
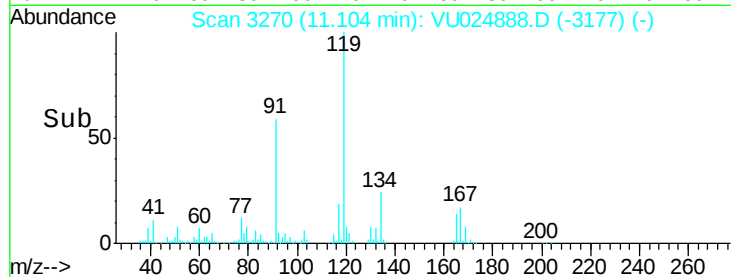
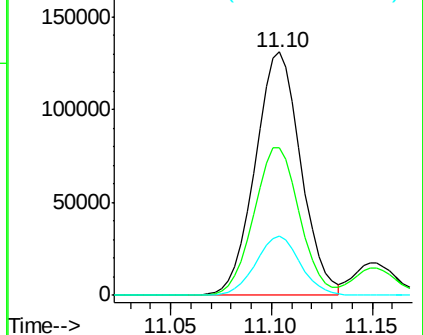
134 23.7 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.07 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024888.D

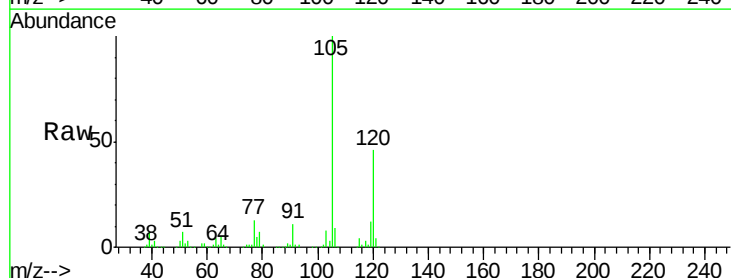
Acq: 25 Jun 2018 20:35

Tgt Ion:105 Resp: 212220

Ion Ratio Lower Upper

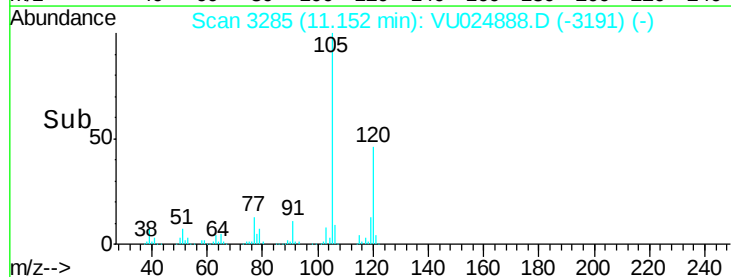
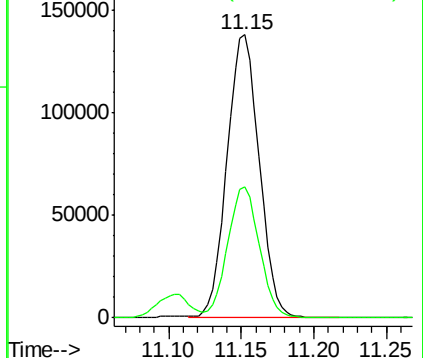
105 100

120 45.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.14 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

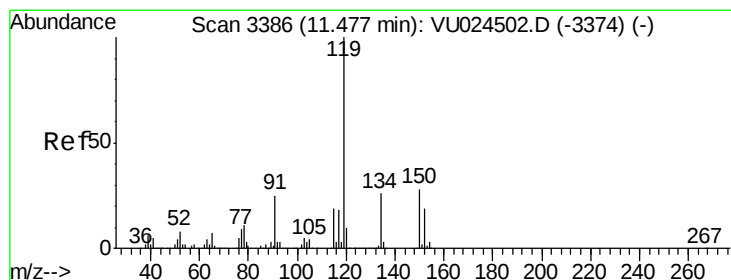
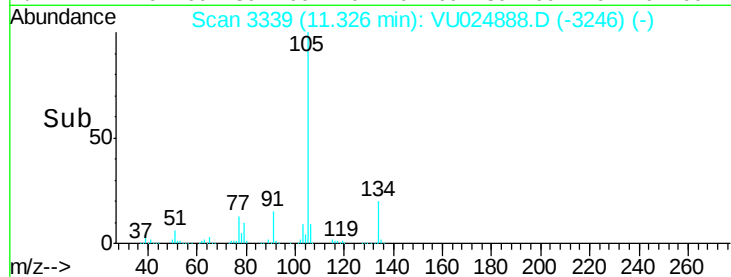
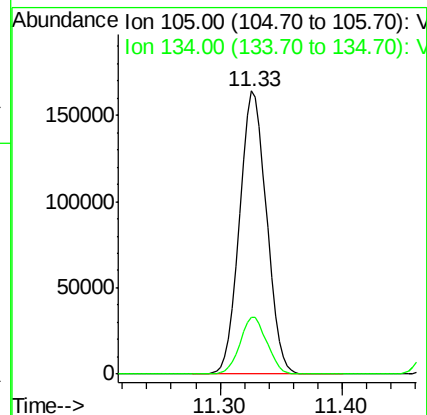
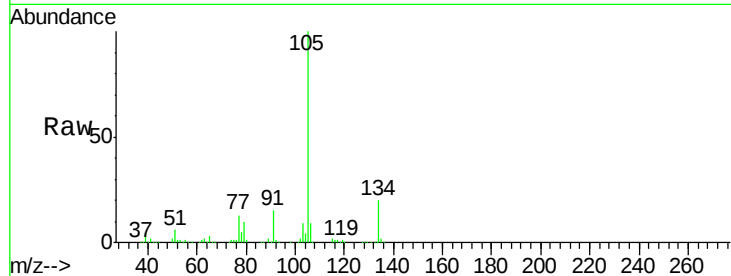
ClientSampleId :

Tot Ion:105 Resp: 251648

Ion Ratio Lower Upper

105 100

134 20.0 9.7 29.1



#86

p-Isopropyltoluene

Concen: 20.50 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

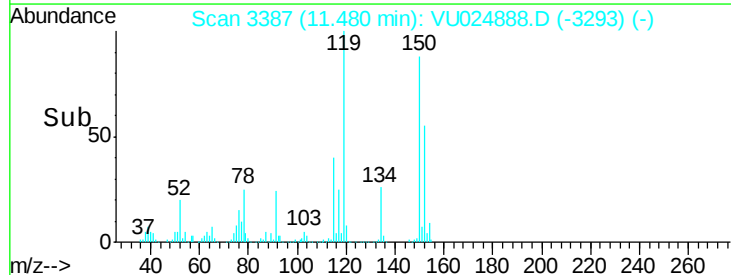
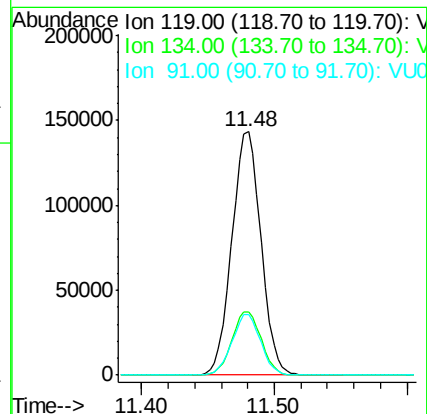
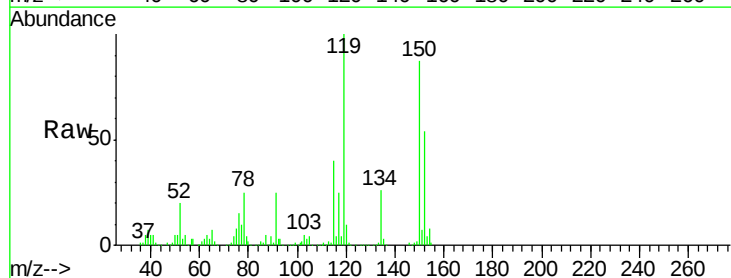
Tgt Ion:119 Resp: 218549

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

91 24.6 12.0 36.1

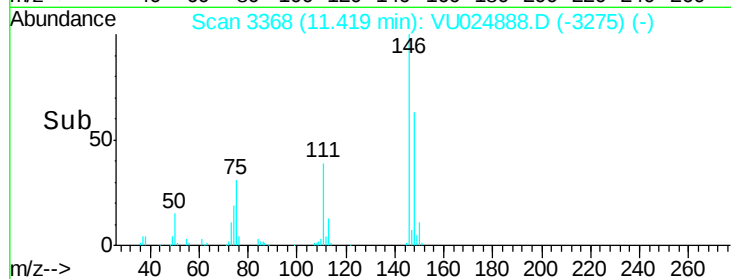
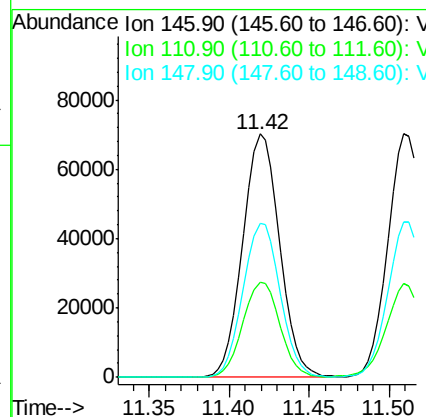
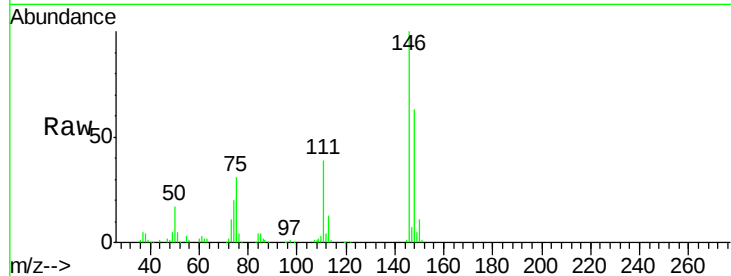




#87
 1,3-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

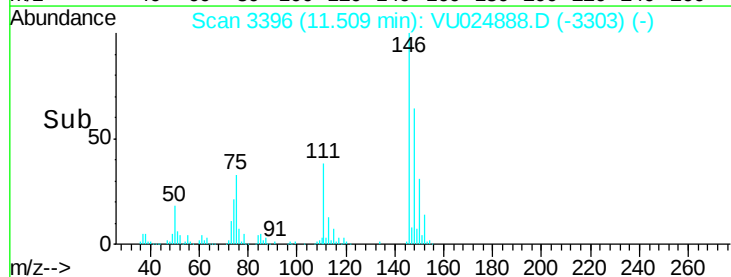
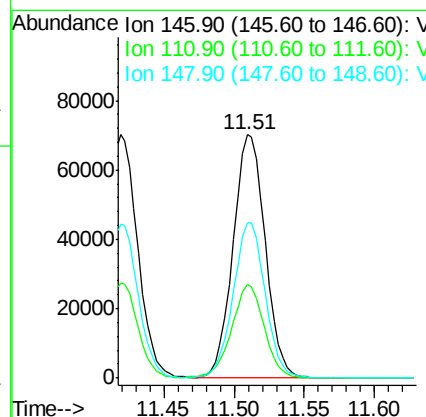
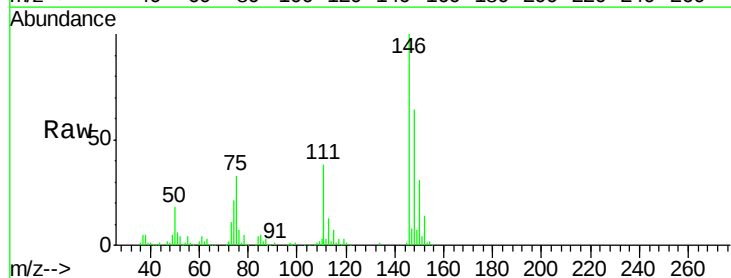
Instrument :
 MSVOA_U
 ClientSampleId :

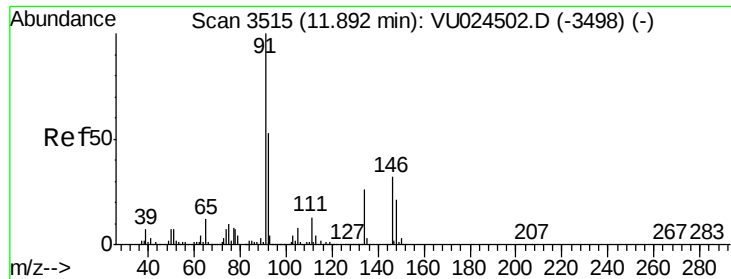
Tot Ion:146 Resp: 110295
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.88 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion:146 Resp: 112117
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.5 58.5
 148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 18.43 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

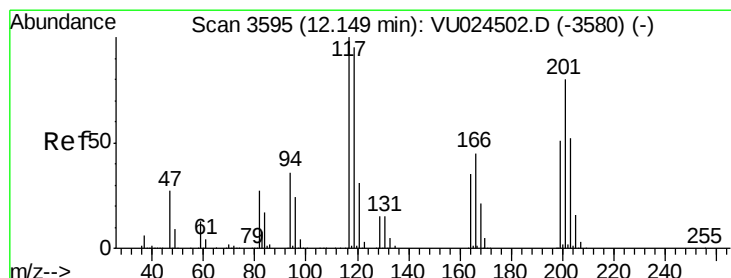
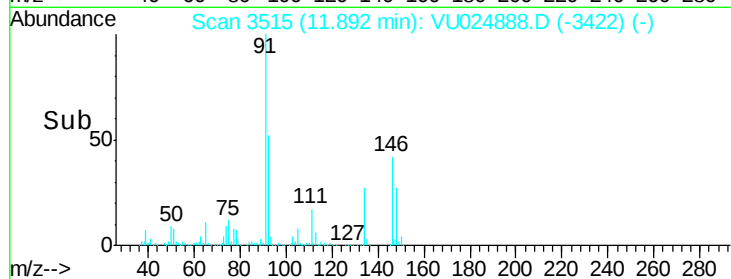
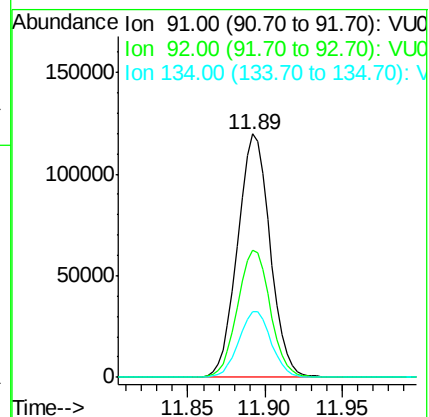
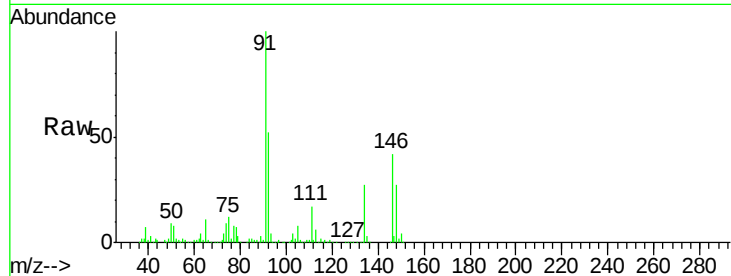
Tot Ion: 91 Resp: 174452

Ion Ratio Lower Upper

91 100

92 52.6 25.6 76.8

134 26.9 12.3 36.8



#90

Hexachloroethane

Concen: 18.39 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024888.D

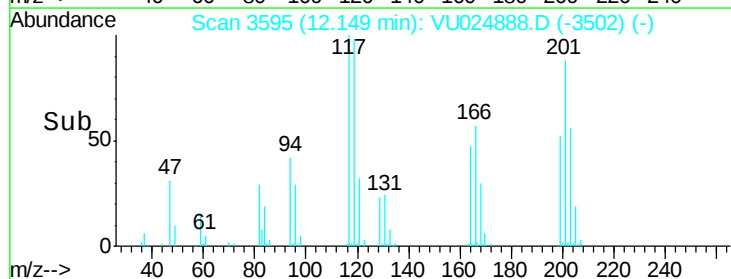
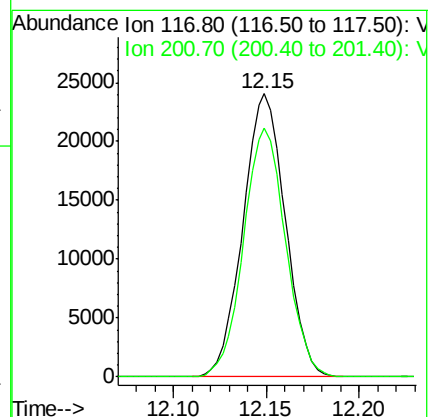
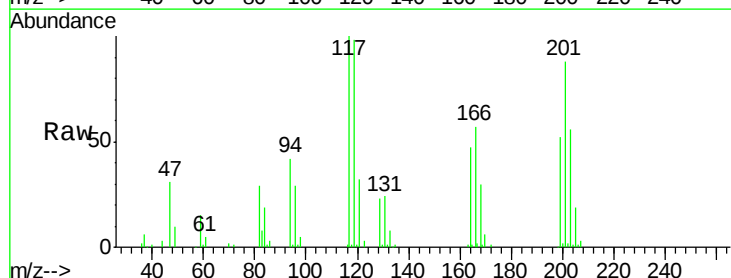
Acq: 25 Jun 2018 20:35

Tgt Ion: 117 Resp: 38245

Ion Ratio Lower Upper

117 100

201 87.1 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 21.99 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampled :

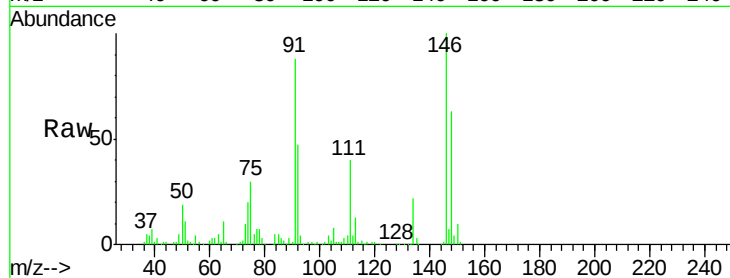
Tot Ion:146 Resp: 117485

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

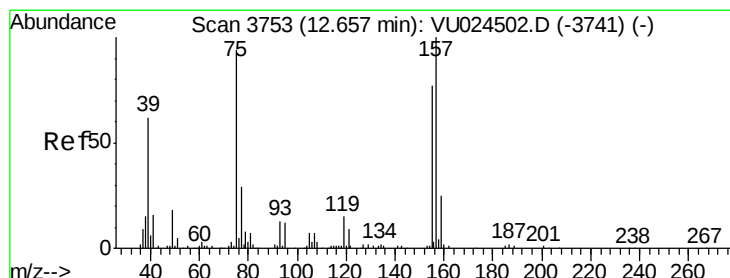
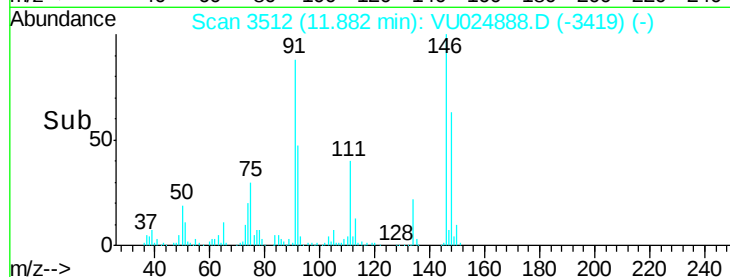
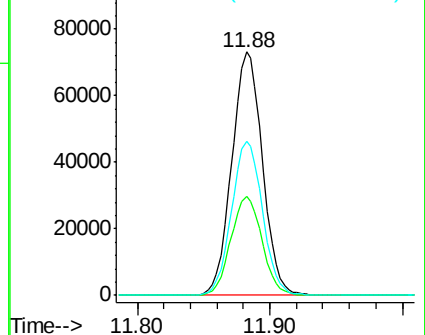
148 63.7 31.9 95.7



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: 20.56 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

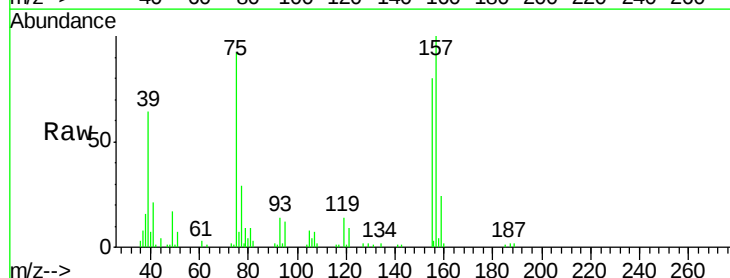
Tgt Ion: 75 Resp: 21678

Ion Ratio Lower Upper

75 100

155 86.9 40.4 121.2

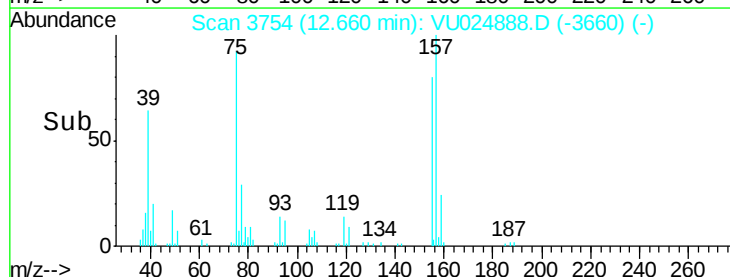
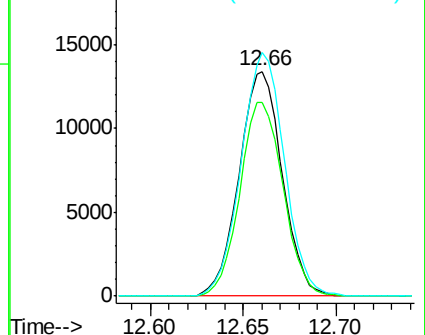
157 109.2 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

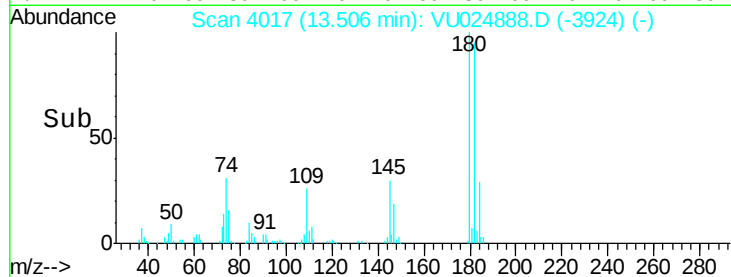
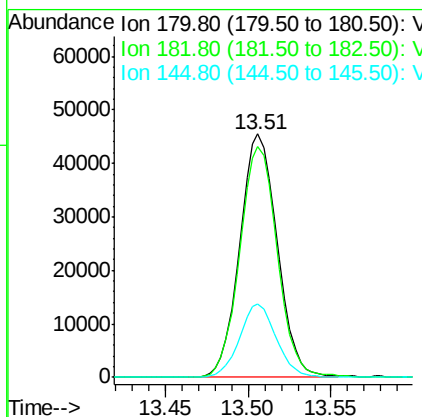
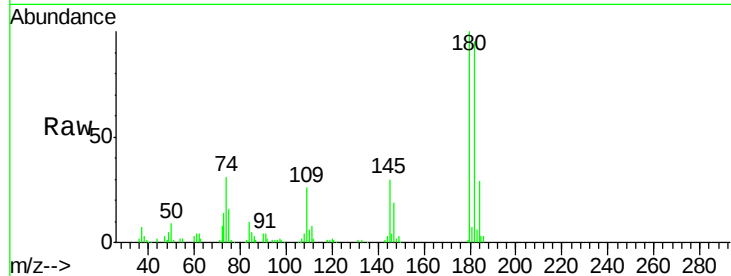




#93
 1,2,4-Trichlorobenzene
 Concen: 21.66 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

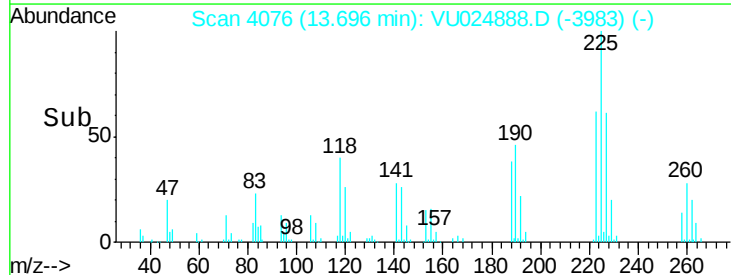
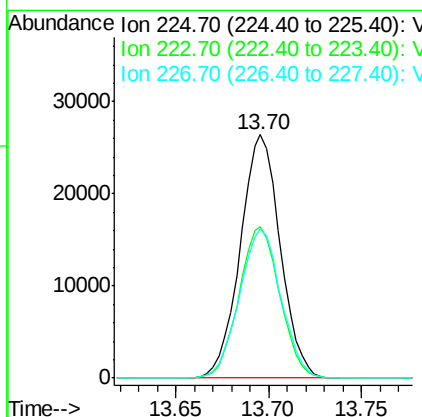
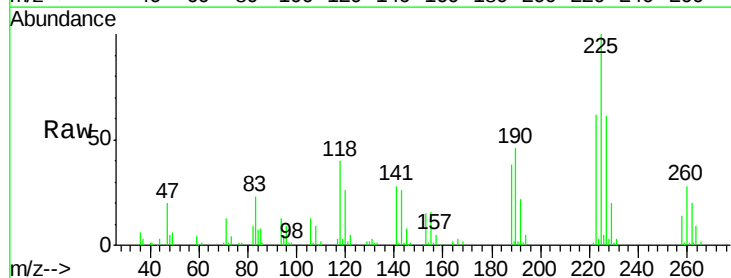
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 71448
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 29.4 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 21.24 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024888.D
 Acq: 25 Jun 2018 20:35

Tgt Ion:225 Resp: 39437
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 63.7 31.8 95.4





#95

Naphthalene

Concen: 22.51 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

Instrument :

MSVOA_U

ClientSampleId :

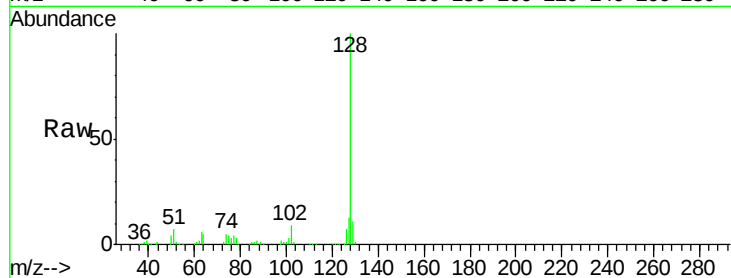
Tot Ion:128 Resp: 241746

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

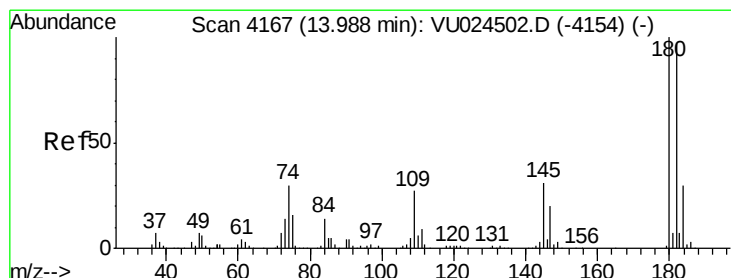
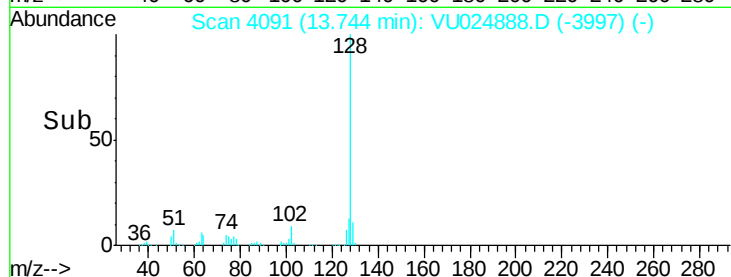
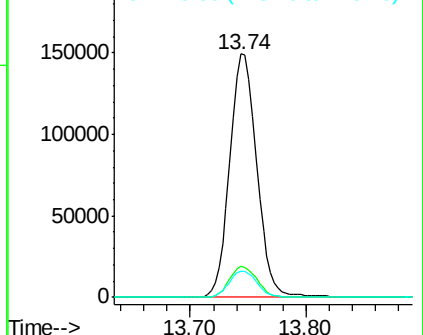
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.32 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024888.D

Acq: 25 Jun 2018 20:35

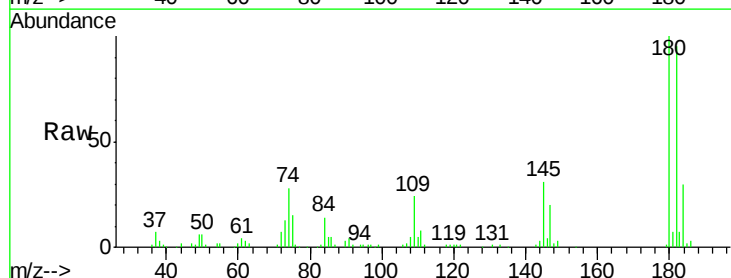
Tgt Ion:180 Resp: 76659

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 32.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

