

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024865.D
 Acq On : 25 Jun 2018 11:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:11:18 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	184329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141491	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	4.89	113	115473	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	7.57	98	386485	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	10.31	95	156225	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	96797	41.95	ug/l	96
3) Chloromethane	1.33	50	95878	40.68	ug/l	99
4) Vinyl Chloride	1.40	62	103200	42.45	ug/l	99
5) Bromomethane	1.63	94	60067	51.11	ug/l	100
6) Chloroethane	1.70	64	68567	50.49	ug/l	98
7) Trichlorofluoromethane	1.89	101	175951	47.43	ug/l	97
8) Diethyl Ether	2.10	74	66565	52.83	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	105150	45.69	ug/l	98
10) Methyl Iodide	2.41	142	90377	46.78	ug/l	99
11) Tert butyl alcohol	2.83	59	140852	192.46	ug/l	100
12) 1,1-Dichloroethene	2.28	96	92766	44.20	ug/l	95
13) Acrolein	2.20	56	50812	132.21	ug/l	98
14) Allyl chloride	2.60	41	183338	47.05	ug/l	93
15) Acrylonitrile	2.94	53	313141	219.91	ug/l	99
16) Acetone	2.32	43	419249	259.30	ug/l	98
17) Carbon Disulfide	2.48	76	259570	38.62	ug/l	100
18) Methyl Acetate	2.62	43	172368	49.73	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	389178	49.33	ug/l	95
20) Methylene Chloride	2.70	84	112412	44.31	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	103705	44.86	ug/l	96
22) Diisopropyl ether	3.57	45	371683	48.11	ug/l	94
23) Vinyl Acetate	3.53	43	1620835	234.22	ug/l	99
24) 1,1-Dichloroethane	3.45	63	207468	46.68	ug/l	99
25) 2-Butanone	4.26	43	511500	235.52	ug/l	96
26) 2,2-Dichloropropane	4.23	77	195808	46.40	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	125931	47.38	ug/l	100
28) Bromochloromethane	4.55	49	95825	48.95	ug/l	88
29) Tetrahydrofuran	4.63	42	287501	213.77	ug/l	96
30) Chloroform	4.68	83	219017	48.69	ug/l	99
31) Cyclohexane	5.00	56	182516	46.09	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	195755	47.06	ug/l	96
36) 1,1-Dichloropropene	5.14	75	152820	47.22	ug/l	97
37) Ethyl Acetate	4.38	43	174232	49.40	ug/l	97
38) Carbon Tetrachloride	5.14	117	178142	50.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	190173	47.09	ug/l	96
40) Benzene	5.39	78	448231	48.61	ug/l	99
41) Methacrylonitrile	4.54	41	97131	51.08	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185371	52.78	ug/l	100
43) Isopropyl Acetate	5.55	43	283432	46.49	ug/l	98
44) Trichloroethene	6.19	130	126641	48.26	ug/l	95
45) 1,2-Dichloropropane	6.44	63	124189	50.48	ug/l	98
46) Dibromomethane	6.56	93	89920	52.03	ug/l	96
47) Bromodichloromethane	6.76	83	176764	51.37	ug/l	99
48) Methyl methacrylate	6.62	41	142922	48.14	ug/l	98
49) 1,4-Dioxane	6.63	88	62520	1076.88	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	896792	234.14	ug/l	98
52) Toluene	7.64	92	293359	49.45	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	195100	50.48	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	202444	49.16	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	124775	51.74	ug/l	98
56) Ethyl methacrylate	8.02	69	201235	49.86	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209152	51.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	226883	146.73	ug/l	94
59) 2-Hexanone	8.36	43	739065	236.35	ug/l	99
60) Dibromochloromethane	8.48	129	148489	49.38	ug/l	99
61) 1,2-Dibromoethane	8.59	107	134865	50.25	ug/l	98
64) Tetrachloroethene	8.23	164	112676	45.15	ug/l	96
65) Chlorobenzene	9.12	112	335672	50.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	130122	51.06	ug/l	98
67) Ethyl Benzene	9.25	91	576443	49.02	ug/l	98
68) m/p-Xylenes	9.38	106	452325	100.17	ug/l	97
69) o-Xylene	9.78	106	222207	49.72	ug/l	95
70) Styrene	9.80	104	365533	49.77	ug/l	99
71) Bromoform	9.96	173	120450	49.73	ug/l #	97
73) Isopropylbenzene	10.17	105	602314	49.25	ug/l	99
74) N-amyl acetate	10.01	43	264486	45.47	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	202537	49.42	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	237354	67.68	ug/l	82
77) Bromobenzene	10.45	156	153982	49.73	ug/l	96
78) n-propylbenzene	10.59	91	692454	48.07	ug/l	97
79) 2-Chlorotoluene	10.66	91	411346	48.42	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	518442	48.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	237354	156.64	ug/l #	100
82) 4-Chlorotoluene	10.78	91	480813	48.63	ug/l	100
83) tert-Butylbenzene	11.10	119	521028	51.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	532312	49.28	ug/l	99
85) sec-Butylbenzene	11.33	105	626263	49.07	ug/l	98
86) p-Isopropyltoluene	11.48	119	562217	49.18	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	286050	50.01	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	288161	50.05	ug/l	99
89) n-Butylbenzene	11.89	91	479617	47.26	ug/l	96
90) Hexachloroethane	12.15	117	101886	45.69	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	294647	51.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51620	45.65	ug/l	91

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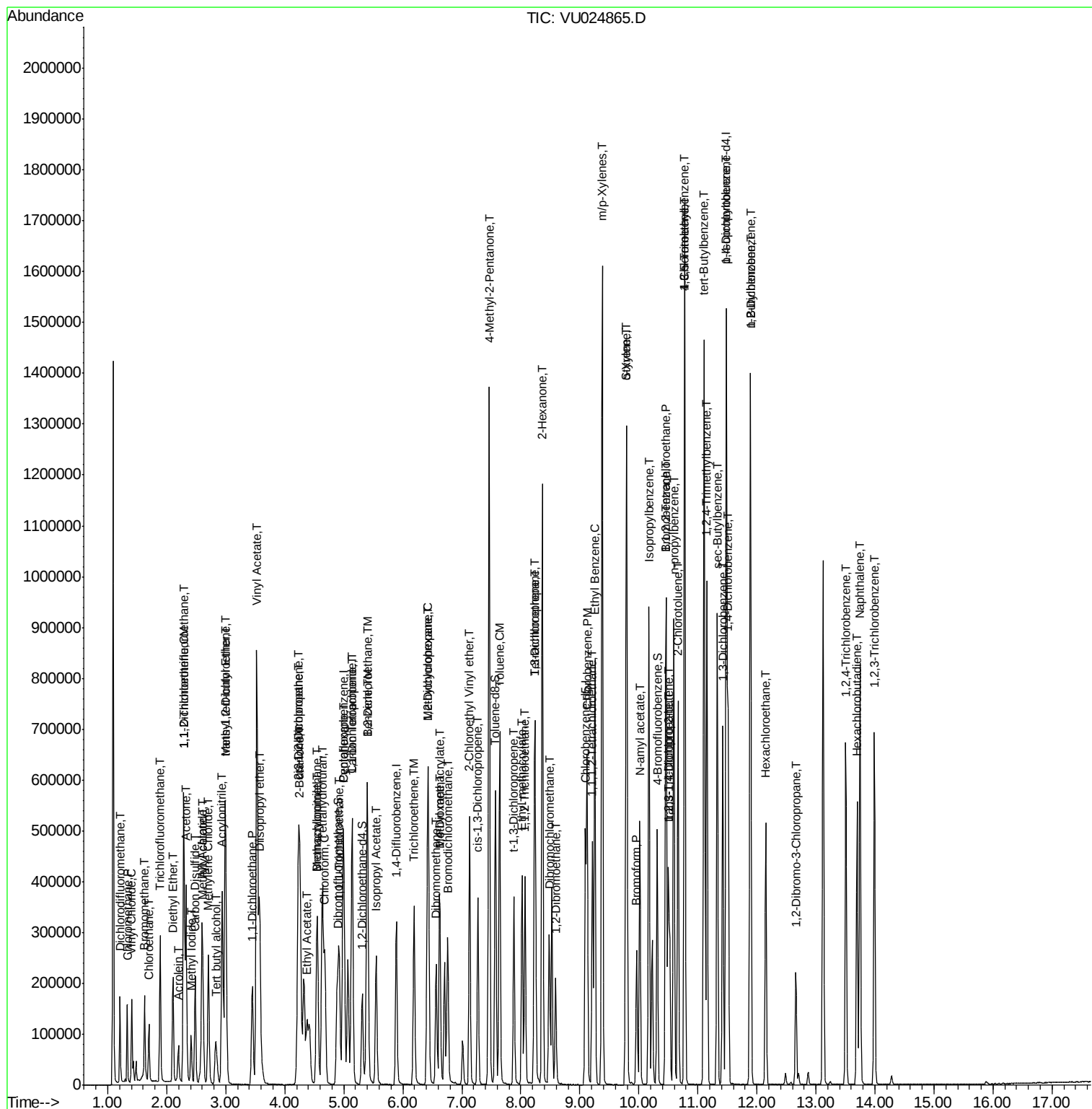
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	204486	57.80	ug/l	99
94) Hexachlorobutadiene	13.70	225	103521	51.99	ug/l	99
95) Naphthalene	13.74	128	650452	55.46	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	212579	60.30	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

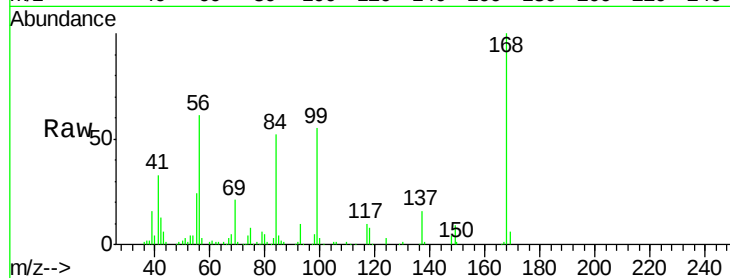
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 184329

Ion Ratio Lower Upper

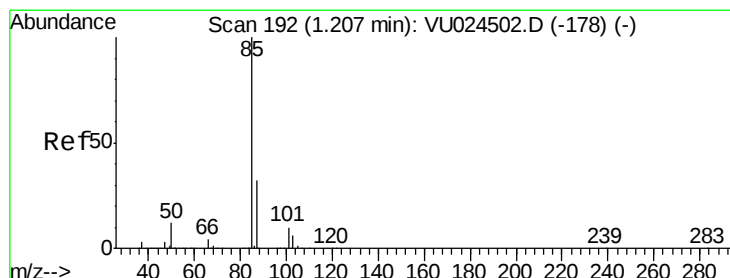
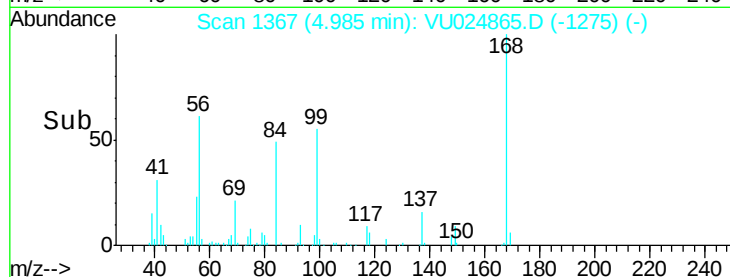
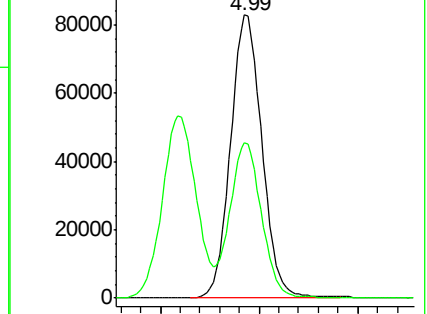
168 100

99 54.6 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: 41.95 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024865.D

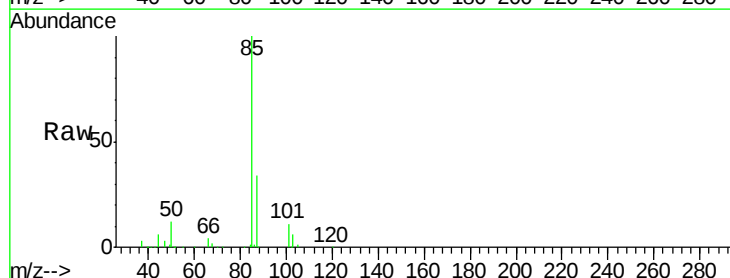
Acq: 25 Jun 2018 11:03

Tgt Ion: 85 Resp: 96797

Ion Ratio Lower Upper

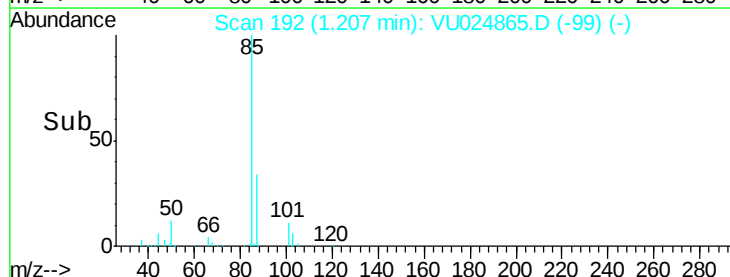
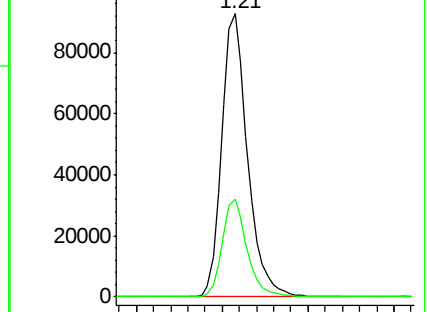
85 100

87 34.4 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: 40.68 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

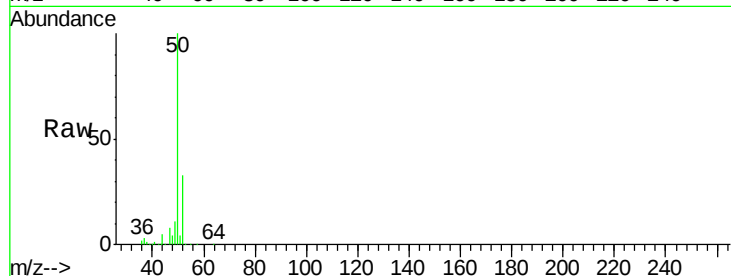
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 95878

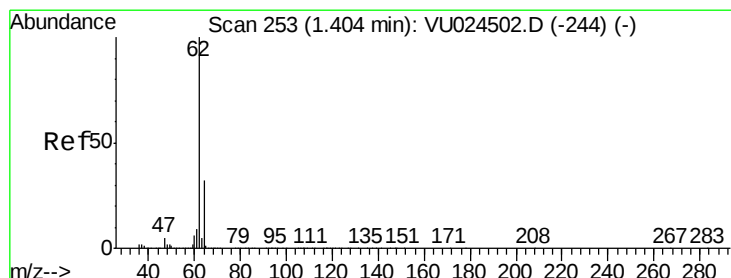
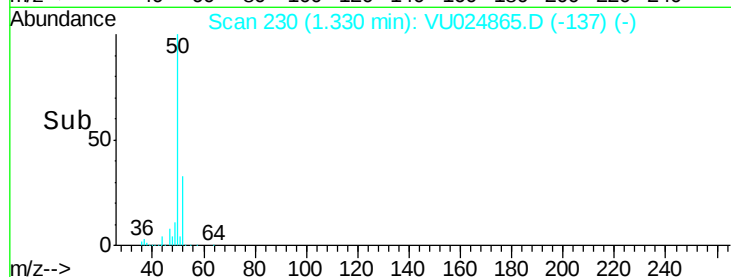
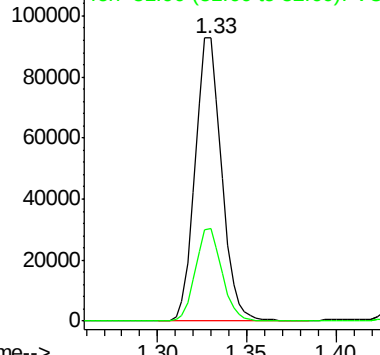
Ion Ratio Lower Upper

50 100

52 32.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 42.45 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024865.D

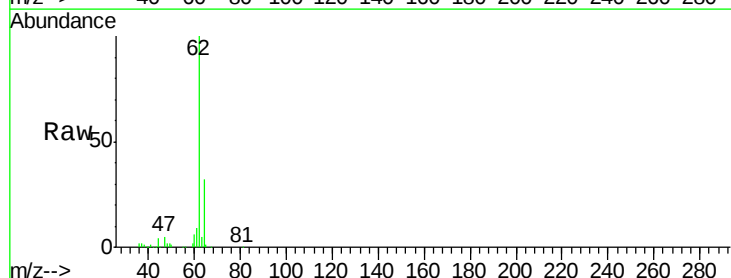
Acq: 25 Jun 2018 11:03

Tgt Ion: 62 Resp: 103200

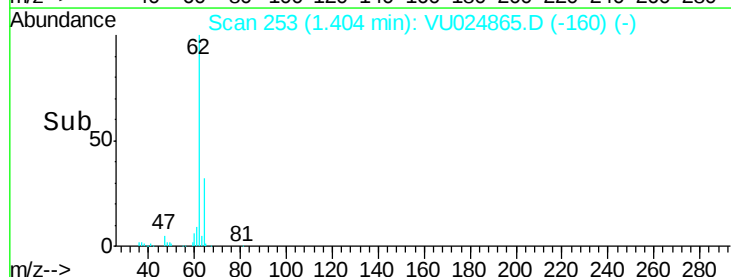
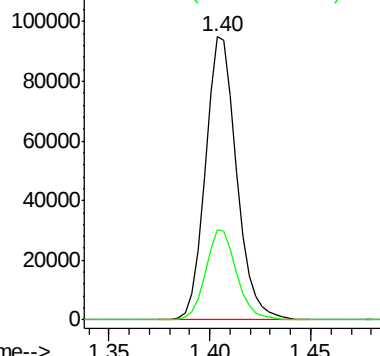
Ion Ratio Lower Upper

62 100

64 31.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.11 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

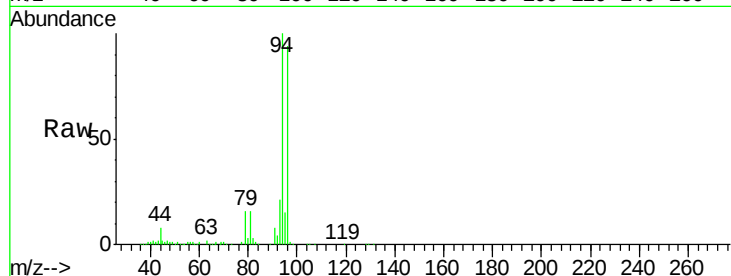
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 60067

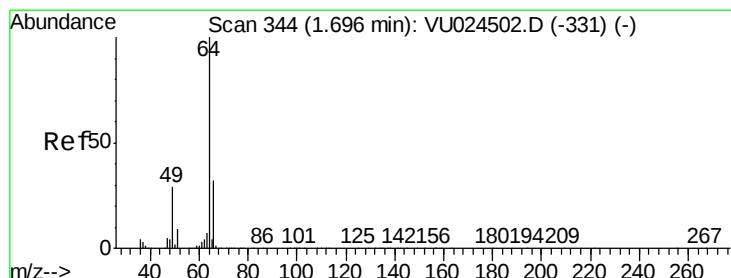
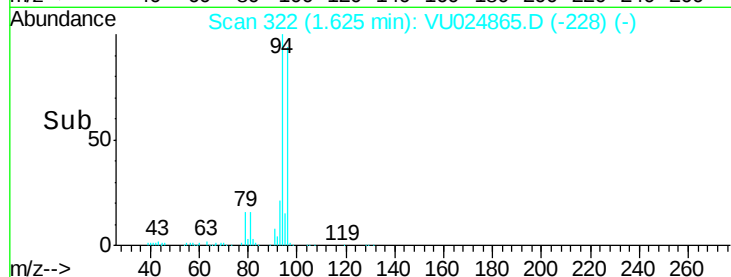
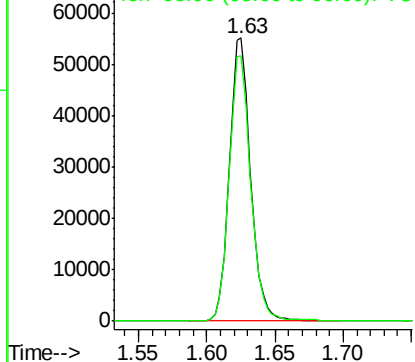
Ion Ratio Lower Upper

94 100

96 93.3 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: 50.49 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024865.D

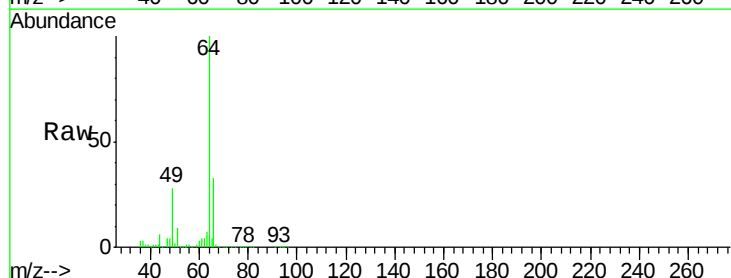
Acq: 25 Jun 2018 11:03

Tgt Ion: 64 Resp: 68567

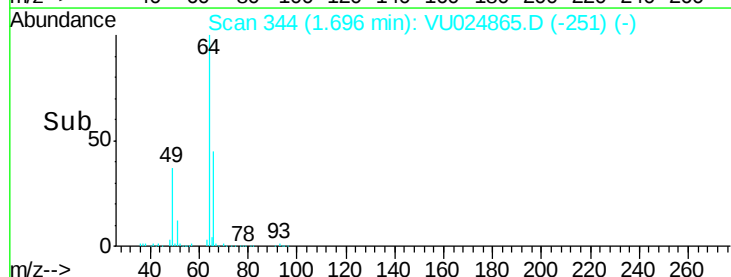
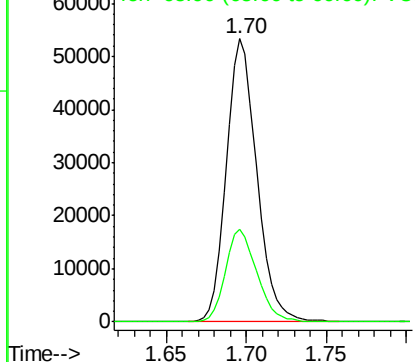
Ion Ratio Lower Upper

64 100

66 32.8 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: 47.43 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

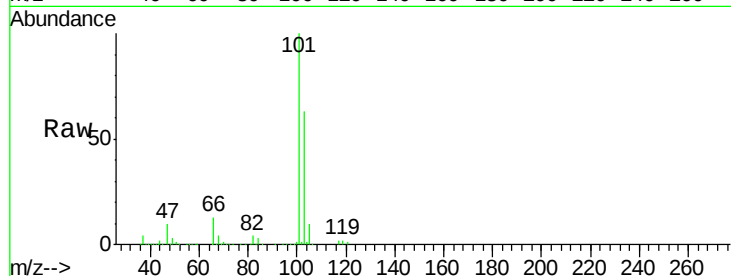
ClientSampleId :

Tot Ion:101 Resp: 175951

Ion Ratio Lower Upper

101 100

103 63.3 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.89

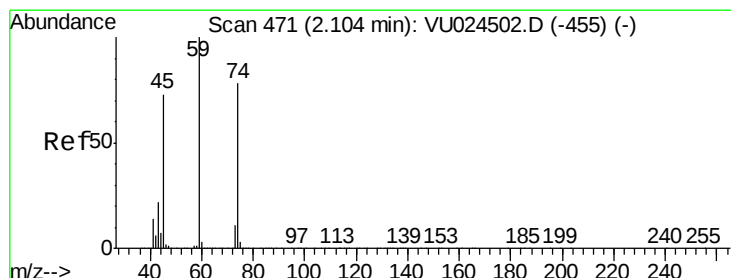
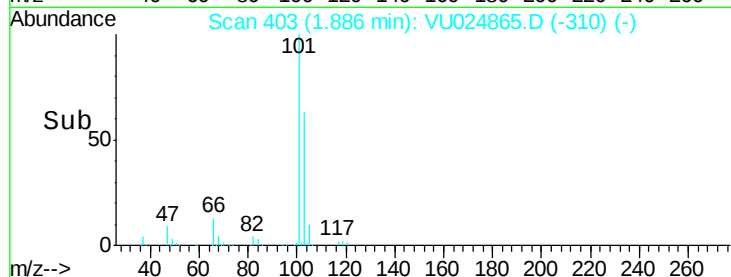
150000

100000

50000

0

Time--> 1.80 1.85 1.90 1.95



#8

Diethyl Ether

Concen: 52.83 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024865.D

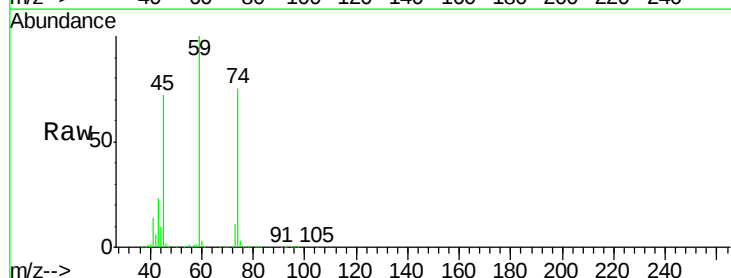
Acq: 25 Jun 2018 11:03

Tgt Ion: 74 Resp: 66565

Ion Ratio Lower Upper

74 100

45 96.6 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

50000

40000

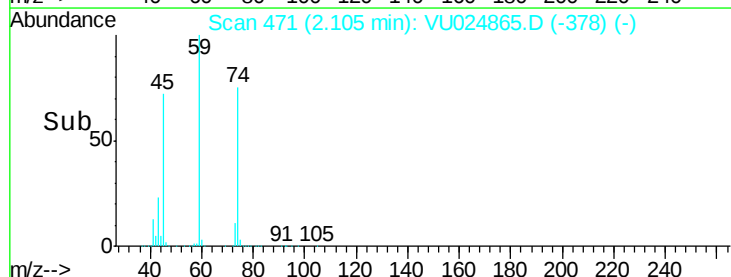
30000

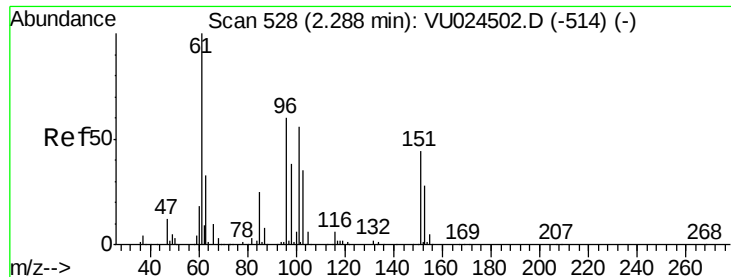
20000

10000

0

Time--> 2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.69 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

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ClientSampleId :

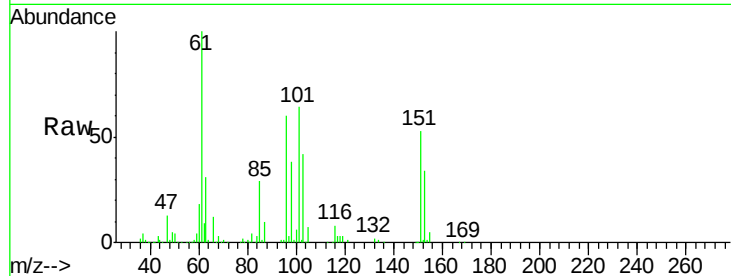
Tot Ion:101 Resp: 105150

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

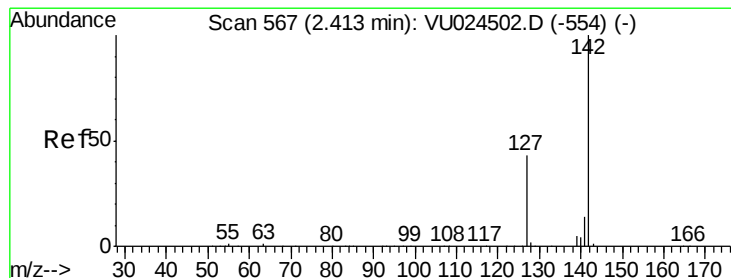
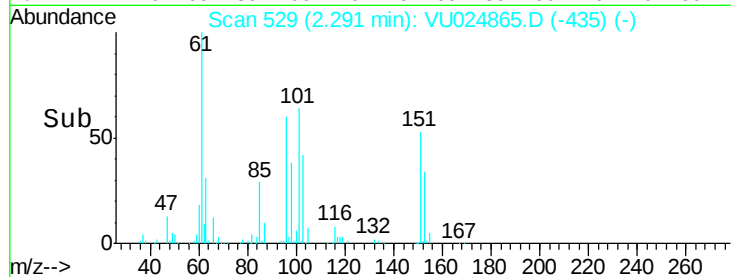
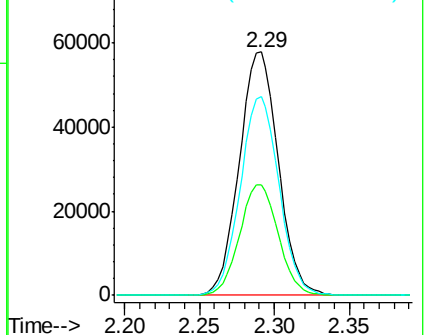
151 81.0 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.78 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

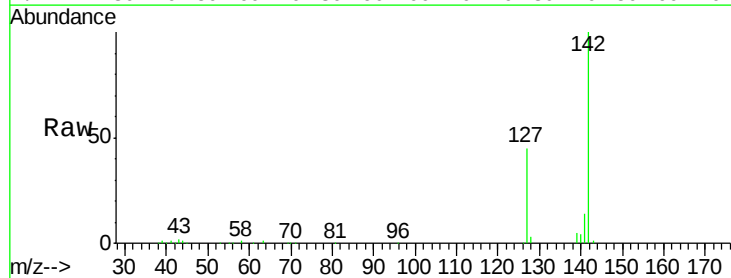
Tgt Ion:142 Resp: 90377

Ion Ratio Lower Upper

142 100

127 44.7 35.6 53.4

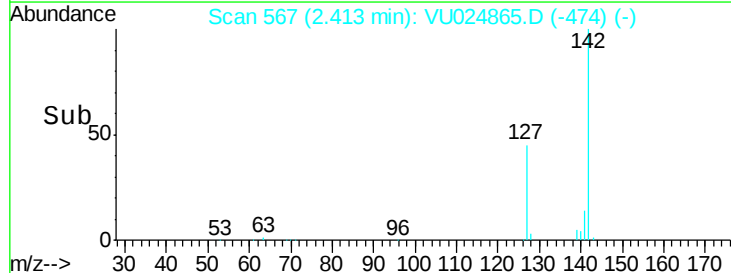
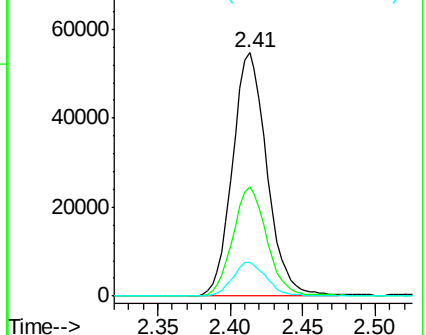
141 13.7 11.7 17.5



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



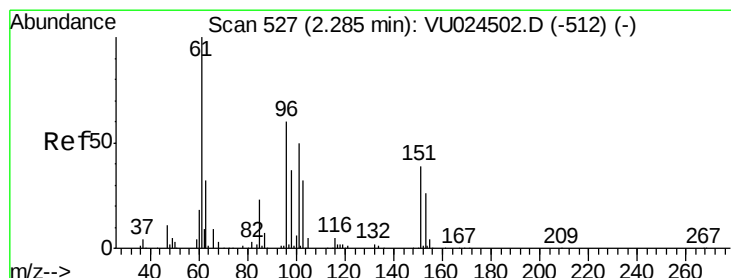
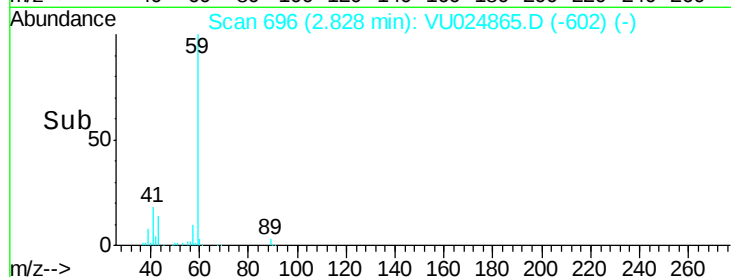
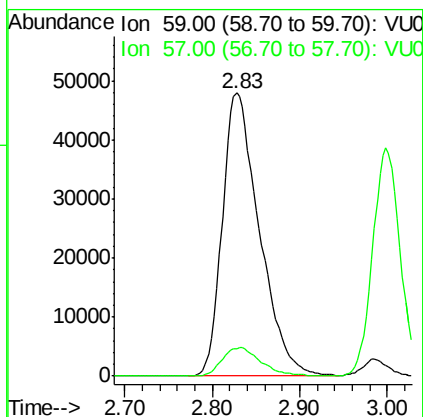
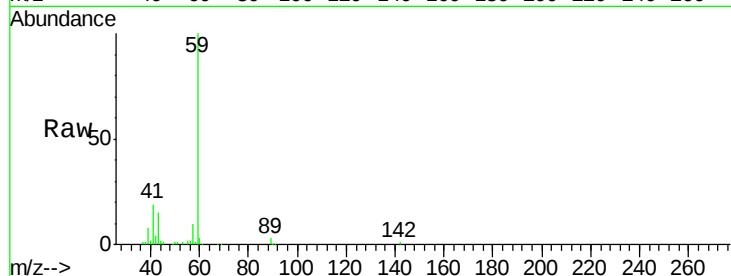


#11

Tert butyl alcohol
Concen: 192.46 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampled :

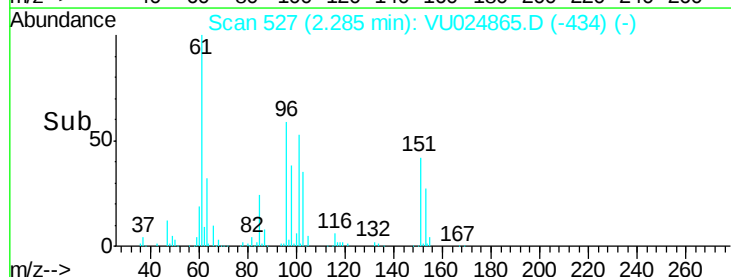
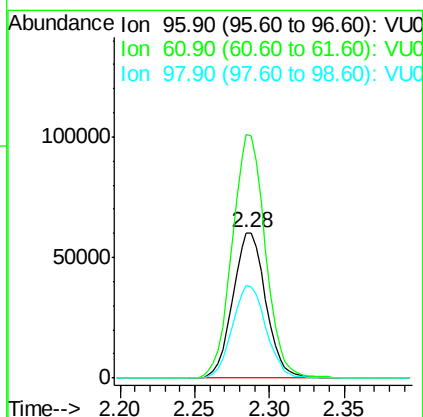
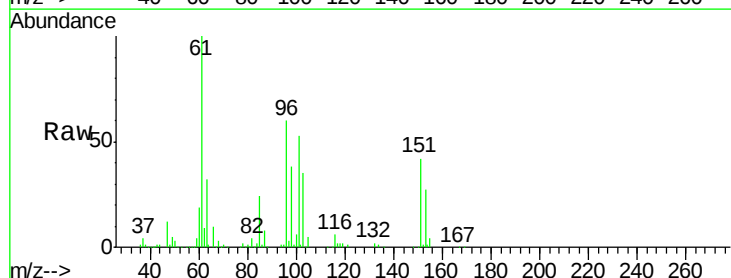
Tot Ion: 59 Resp: 140852
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

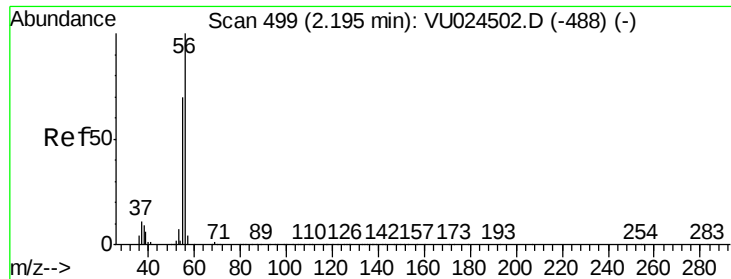


#12

1,1-Dichloroethene
Concen: 44.20 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 96 Resp: 92766
Ion Ratio Lower Upper
96 100
61 167.7 141.7 212.5
98 63.7 51.6 77.4

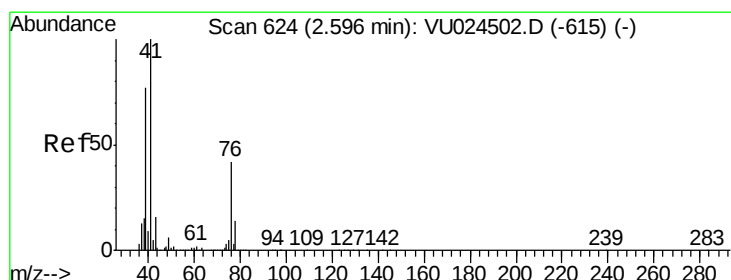
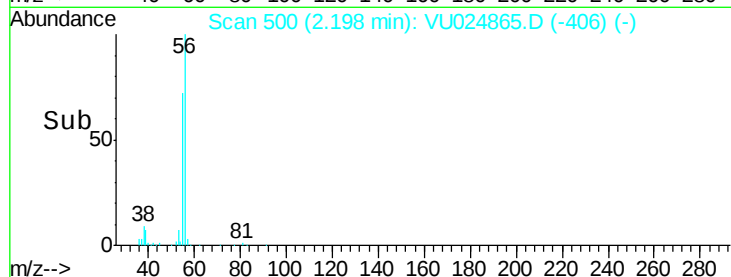
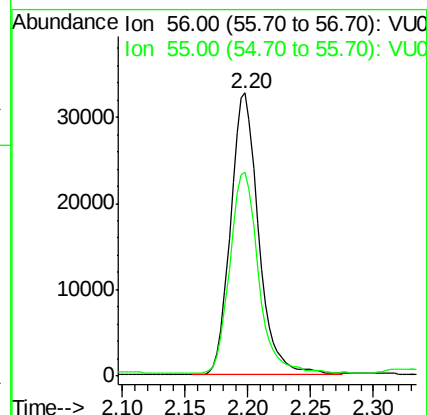
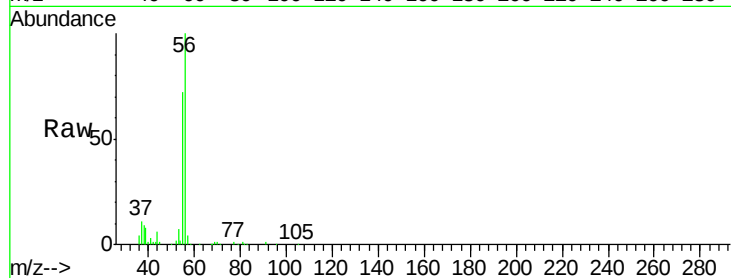




#13
Acrolein
Concen: 132.21 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

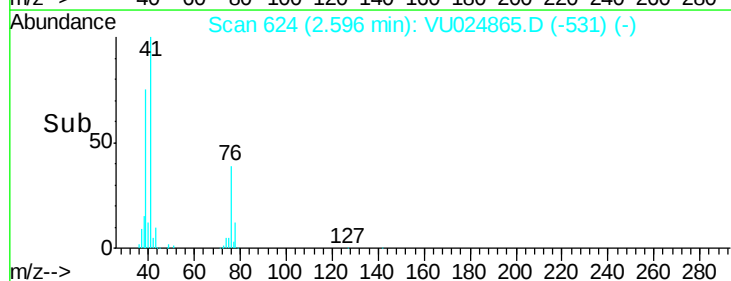
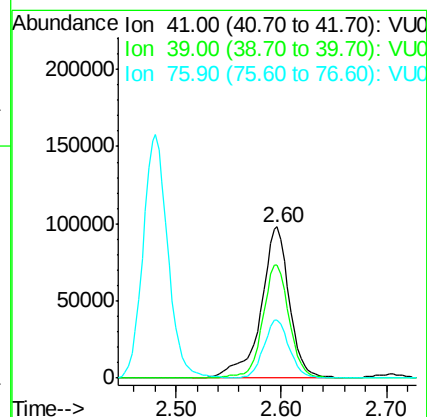
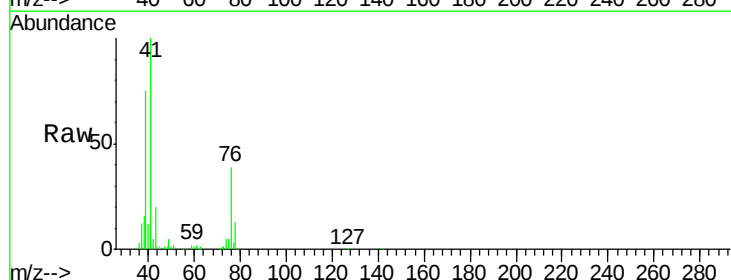
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 50812
Ion Ratio Lower Upper
56 100
55 71.5 58.4 87.6



#14
Allyl chloride
Concen: 47.05 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 41 Resp: 183338
Ion Ratio Lower Upper
41 100
39 69.7 61.6 92.4
76 34.5 29.7 44.5





#15

Acrylonitrile

Concen: 219.91 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

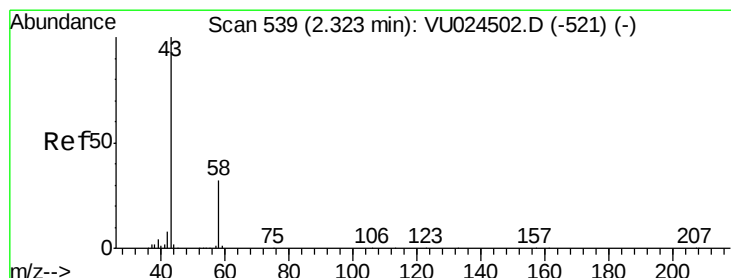
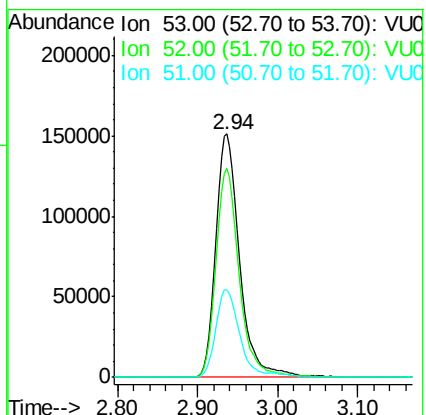
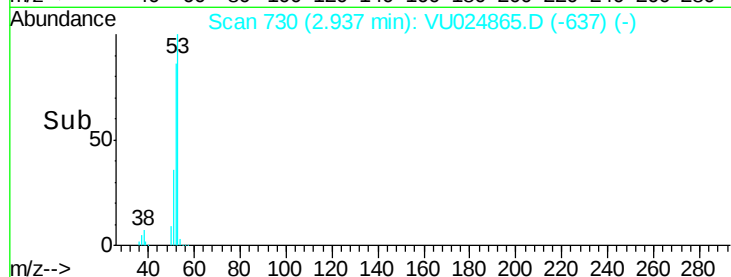
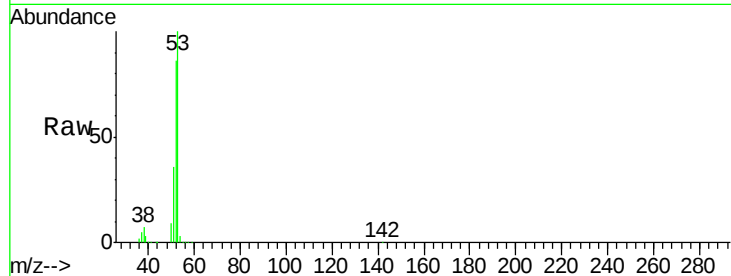
Tot Ion: 53 Resp: 313141

Ion Ratio Lower Upper

53 100

52 83.8 67.1 100.7

51 36.8 28.4 42.6



#16

Acetone

Concen: 259.30 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024865.D

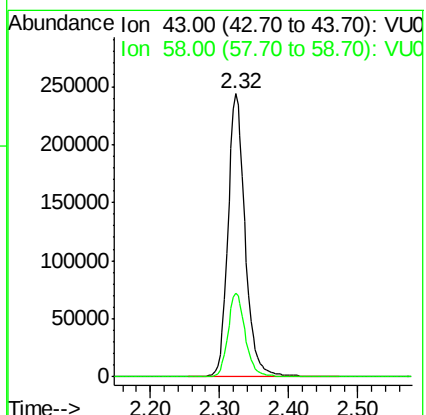
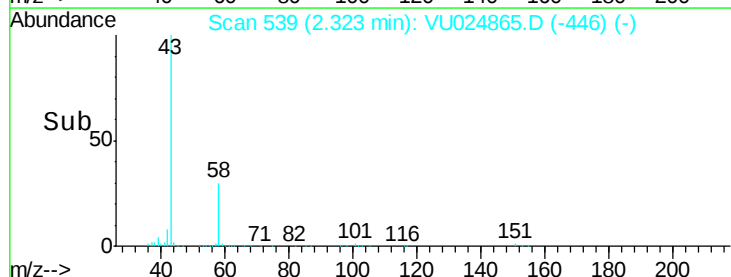
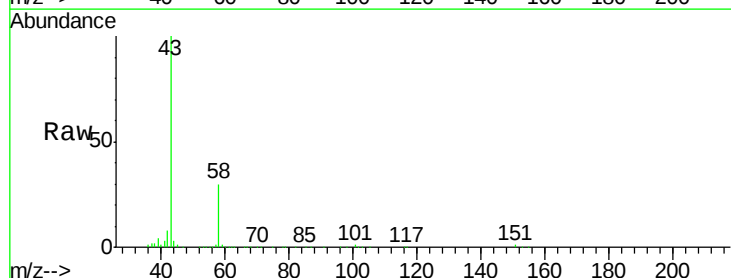
Acq: 25 Jun 2018 11:03

Tgt Ion: 43 Resp: 419249

Ion Ratio Lower Upper

43 100

58 29.6 24.4 36.6





#17

Carbon Disulfide

Concen: 38.62 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

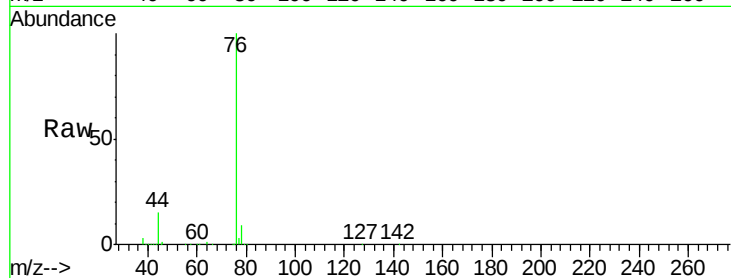
ClientSampleId :

Tot Ion: 76 Resp: 259570

Ion Ratio Lower Upper

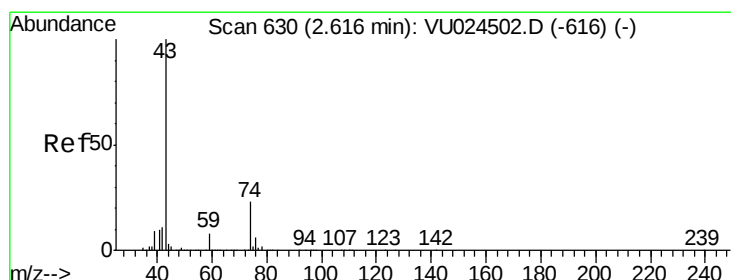
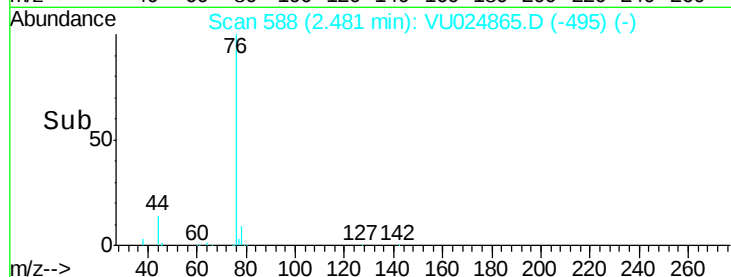
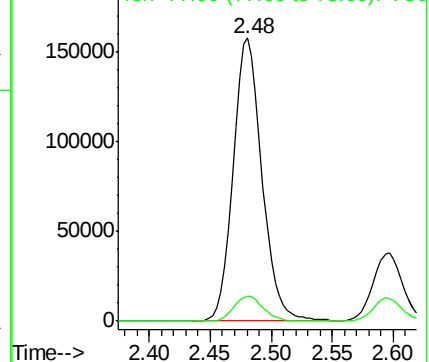
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 49.73 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024865.D

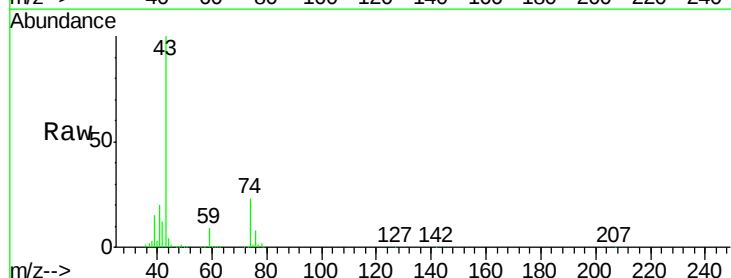
Acq: 25 Jun 2018 11:03

Tgt Ion: 43 Resp: 172368

Ion Ratio Lower Upper

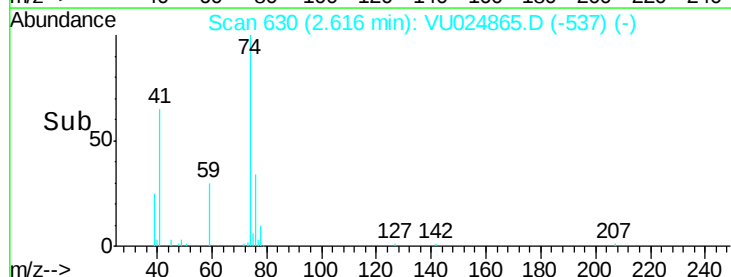
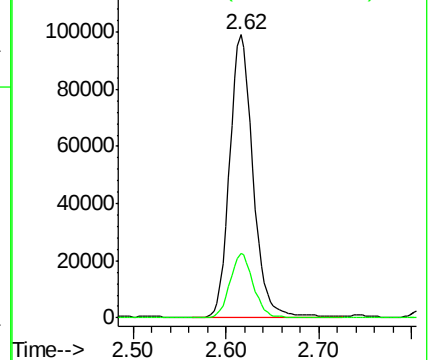
43 100

74 22.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

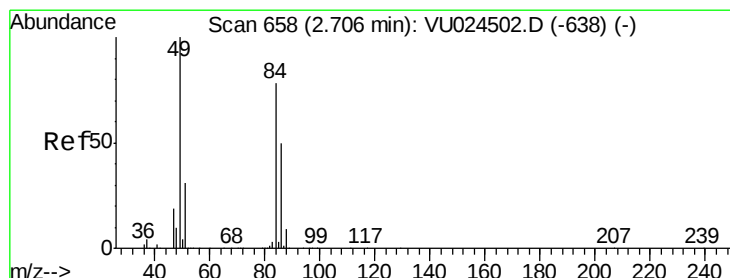
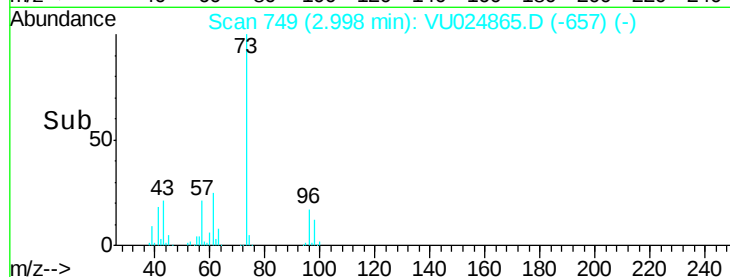
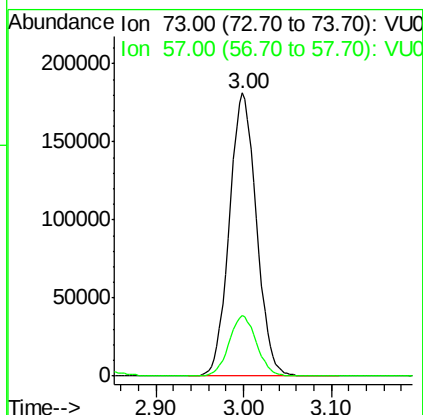
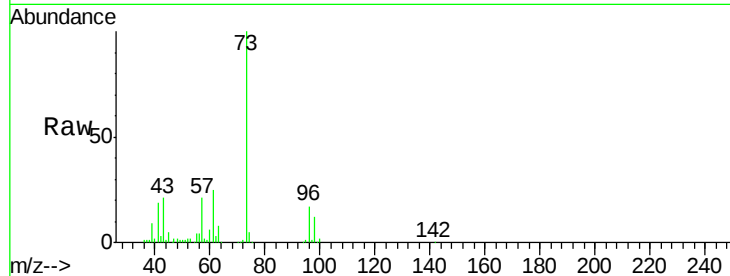




#19
Methvl tert-butvl Ether
Concen: 49.33 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

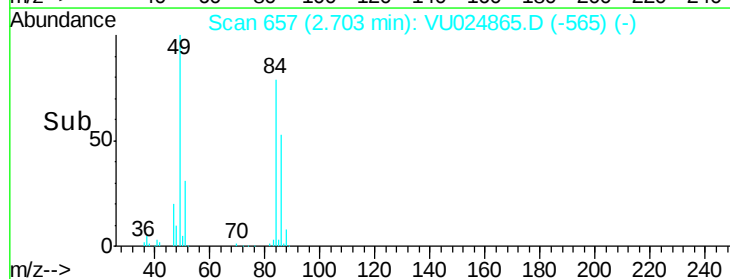
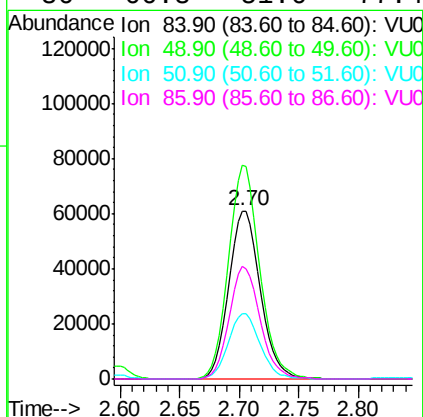
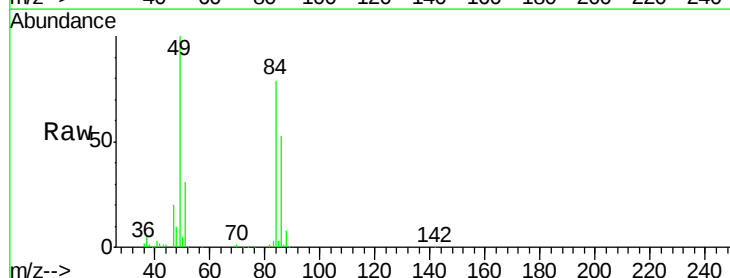
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 389178
Ion Ratio Lower Upper
73 100
57 21.3 18.8 28.2



#20
Methylene Chloride
Concen: 44.31 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 84 Resp: 112412
Ion Ratio Lower Upper
84 100
49 127.0 103.8 155.8
51 39.0 32.0 48.0
86 66.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.86 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :

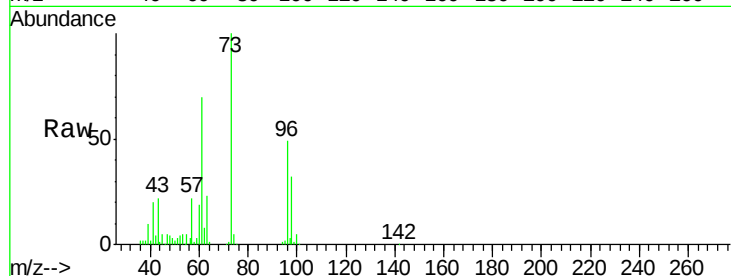
Tot Ion: 96 Resp: 103705

Ion Ratio Lower Upper

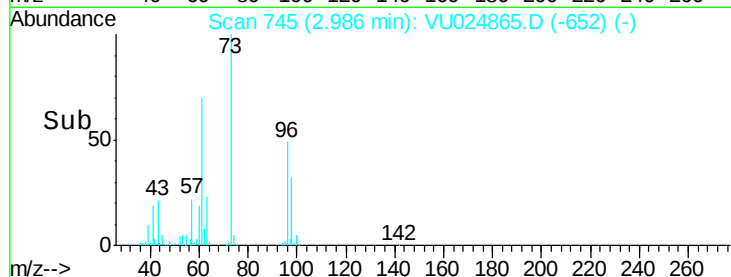
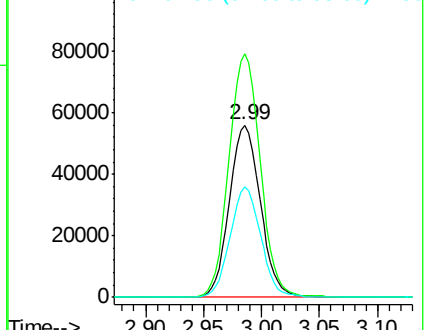
96 100

61 141.5 119.4 179.0

98 64.4 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.11 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion: 45 Resp: 371683

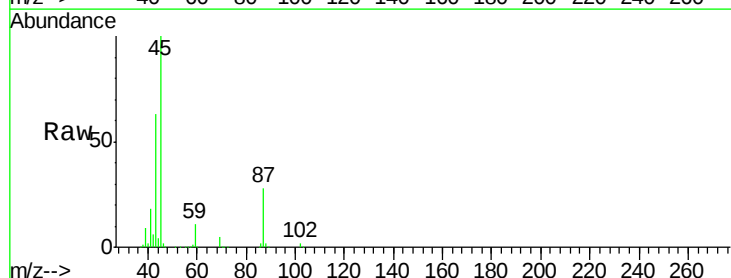
Ion Ratio Lower Upper

45 100

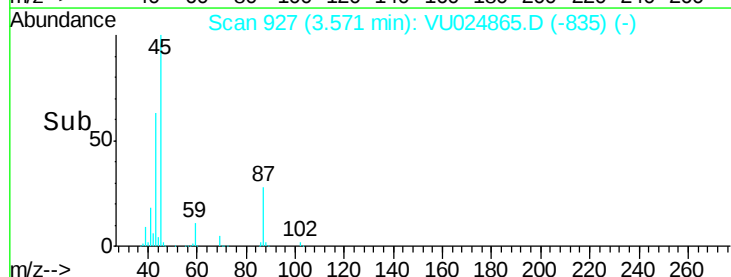
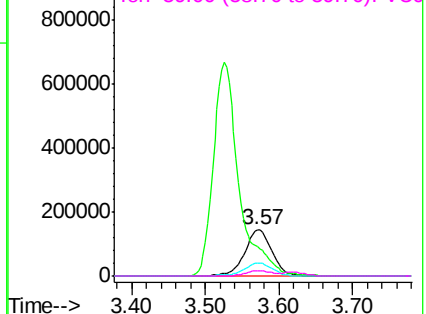
43 62.7 45.8 68.6

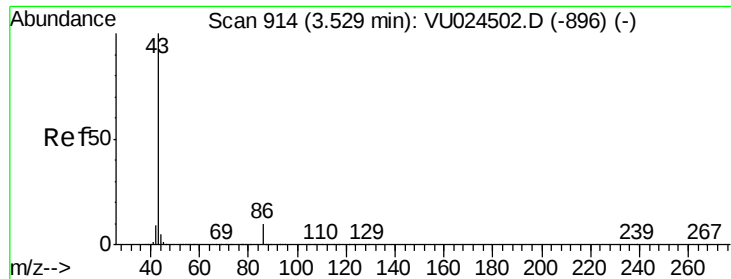
87 28.2 20.6 31.0

59 11.5 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 234.22 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

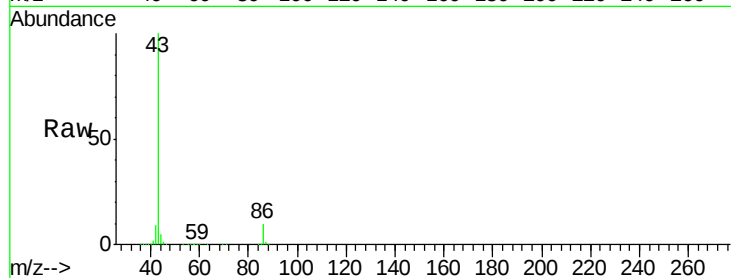
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1620835

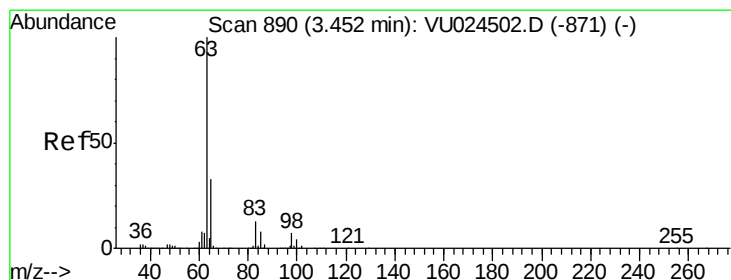
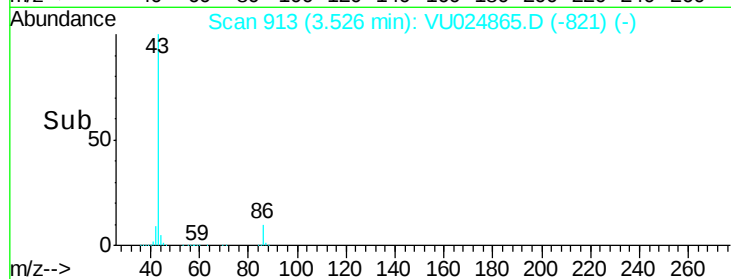
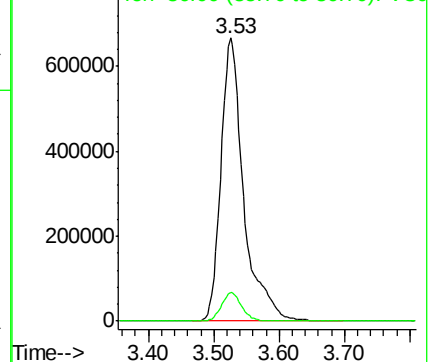
Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.68 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

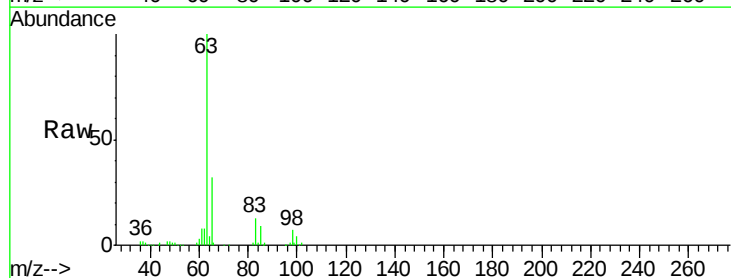
Tgt Ion: 63 Resp: 207468

Ion Ratio Lower Upper

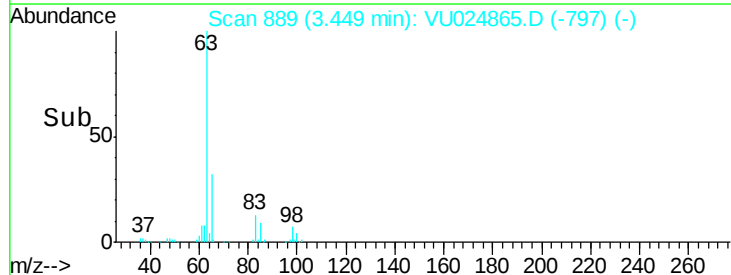
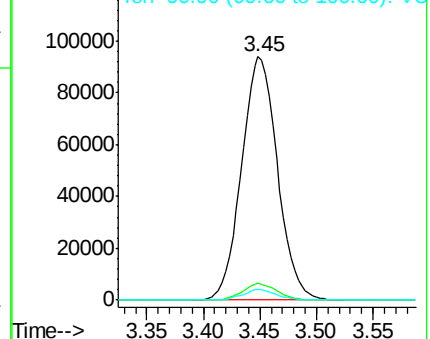
63 100

98 6.8 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0

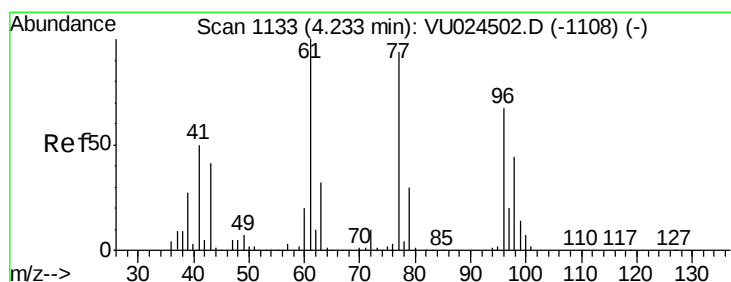
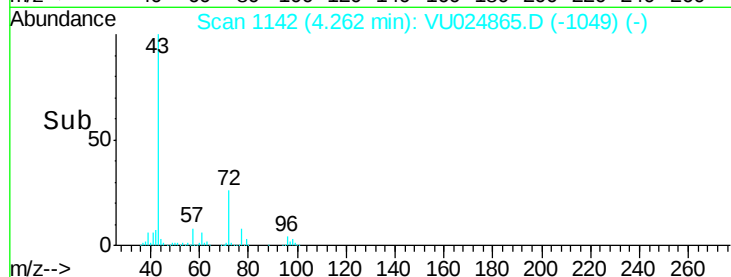
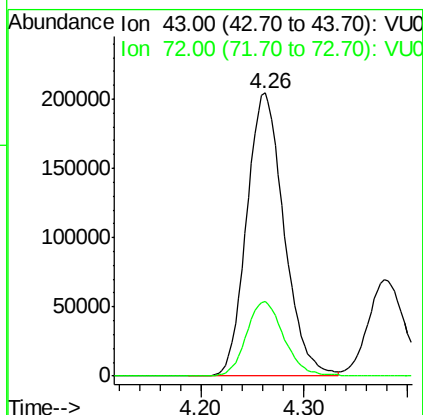
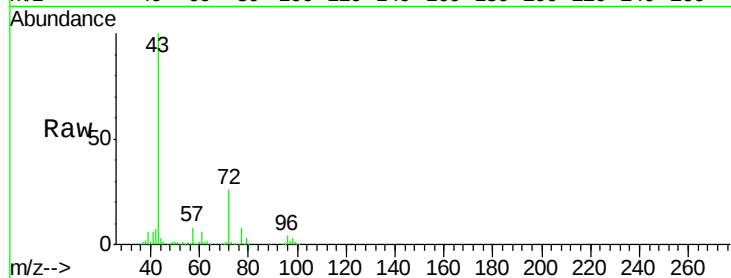




#25
2-Butanone
Concen: 235.52 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

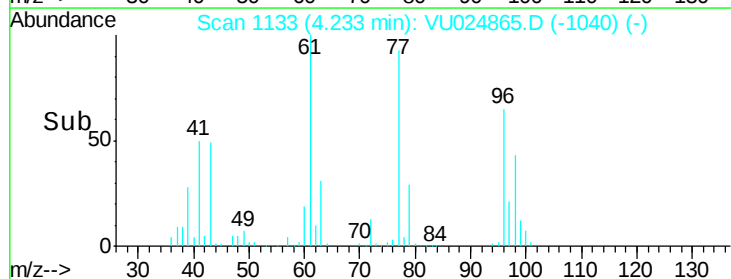
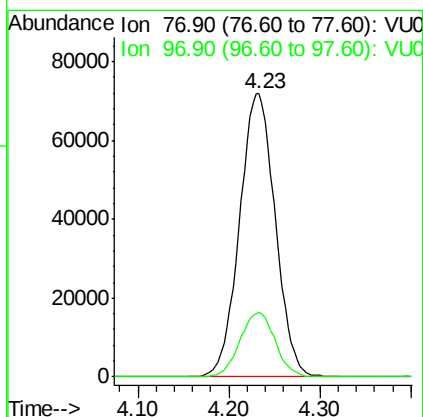
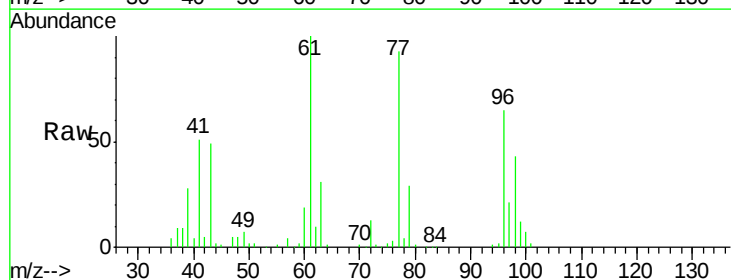
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 511500
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 46.40 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 77 Resp: 195808
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.38 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampled :

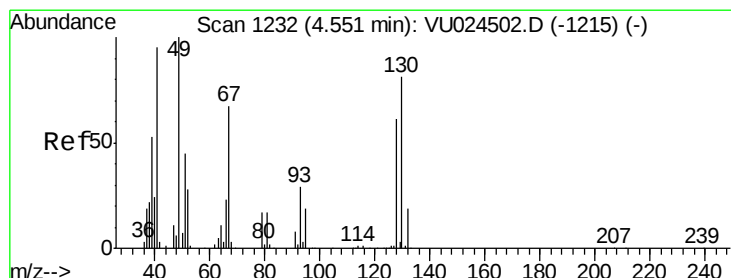
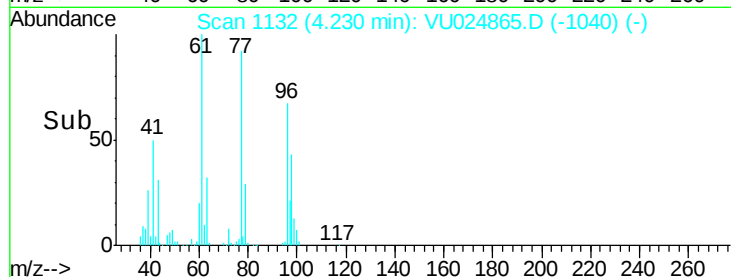
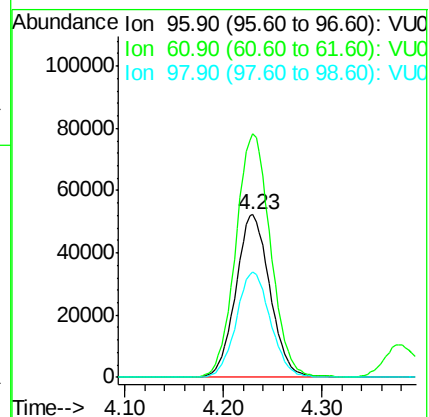
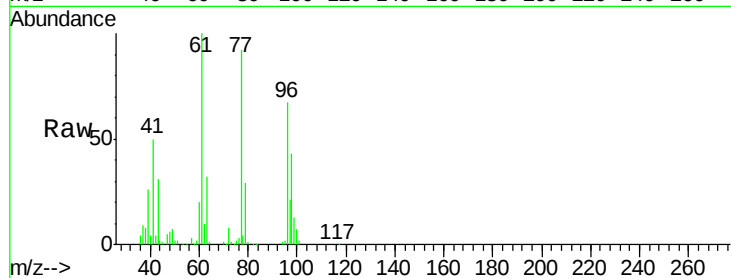
Tot Ion: 96 Resp: 125931

Ion Ratio Lower Upper

96 100

61 152.6 0.0 306.6

98 64.6 0.0 128.8



#28

Bromochloromethane

Concen: 48.95 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

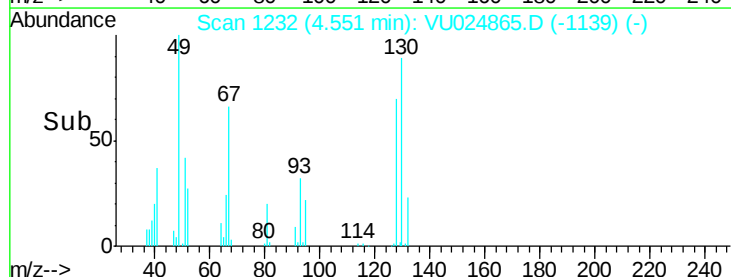
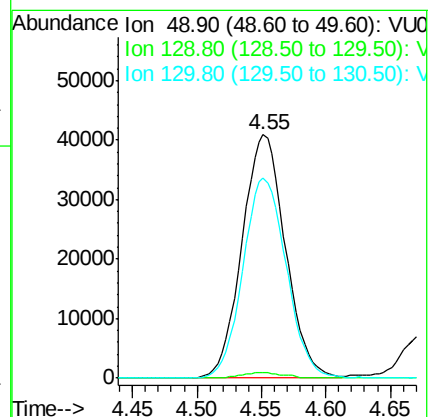
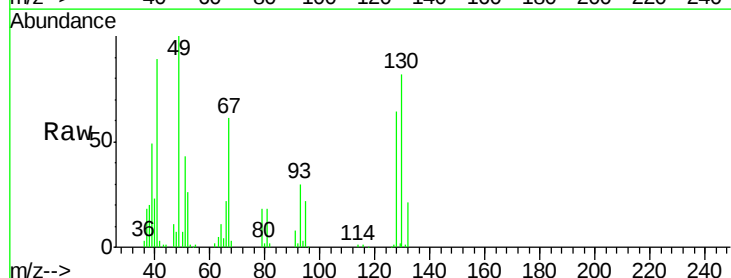
Tgt Ion: 49 Resp: 95825

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 82.2 57.8 86.6

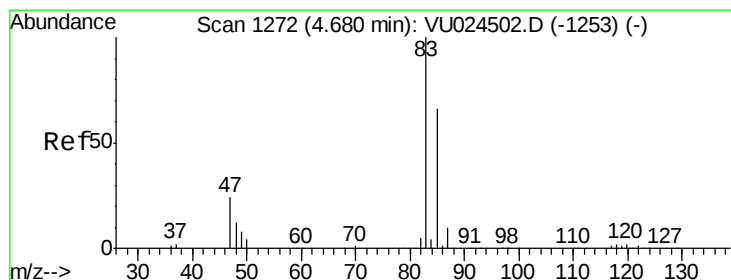
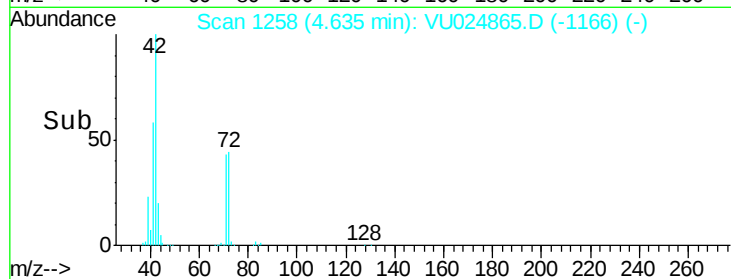
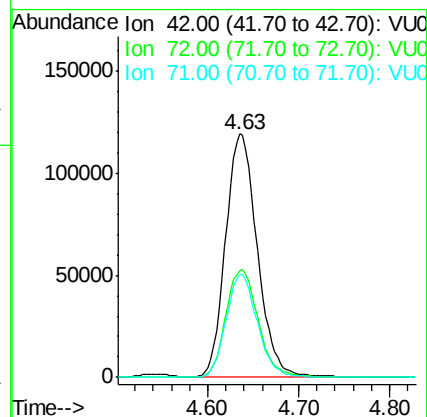
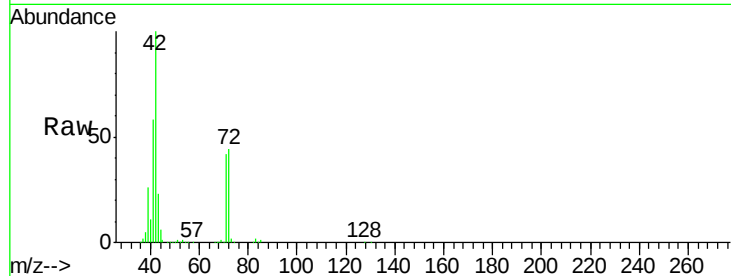




#29
Tetrahydrofuran
Concen: 213.77 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

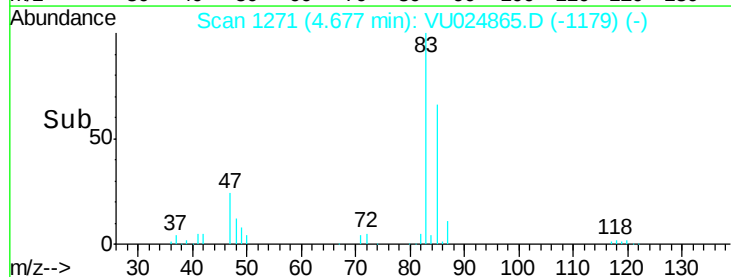
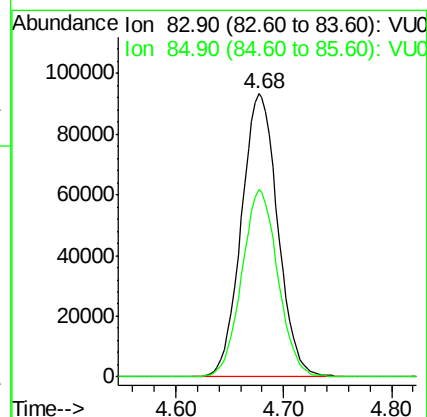
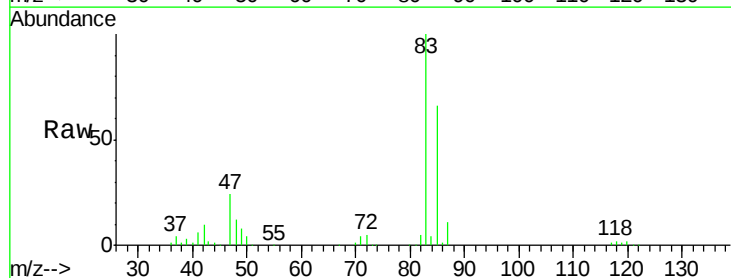
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 42 Resp: 287501
Ion Ratio Lower Upper
42 100
72 45.6 34.5 51.7
71 42.3 32.2 48.4



#30
Chloroform
Concen: 48.69 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 83 Resp: 219017
Ion Ratio Lower Upper
83 100
85 66.4 52.4 78.6

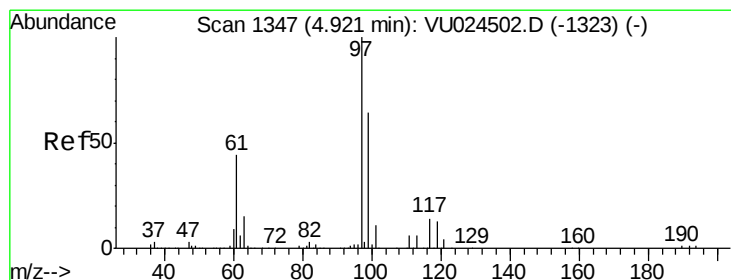
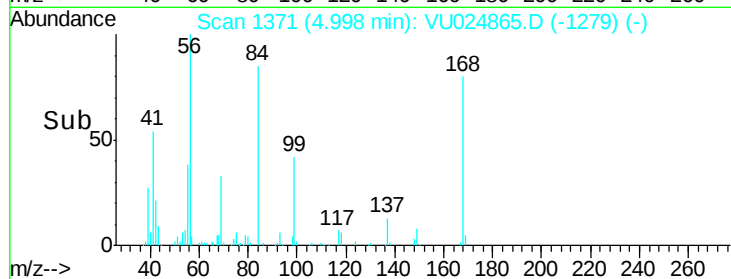
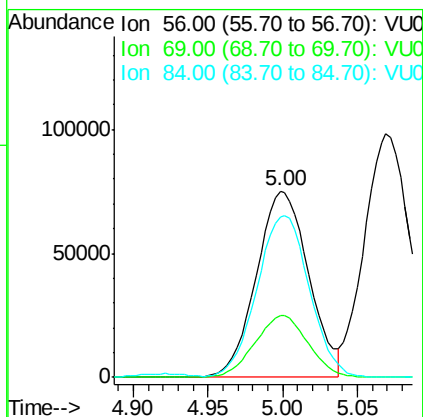
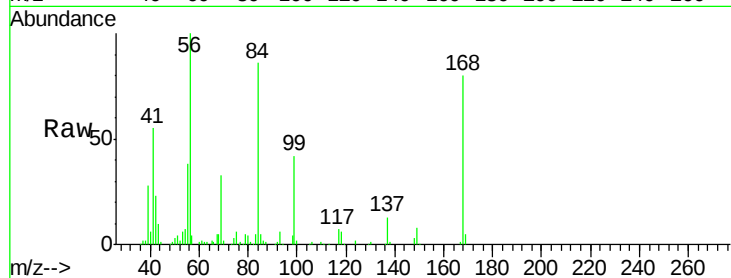




#31
Cyclohexane
Concen: 46.09 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

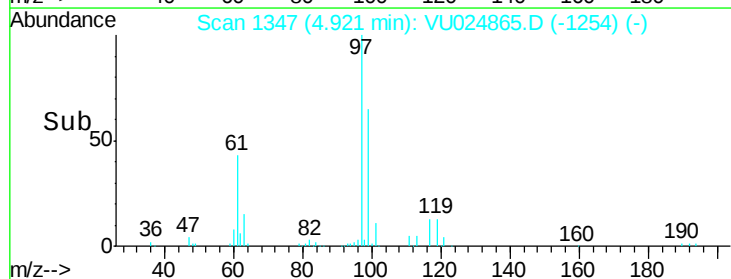
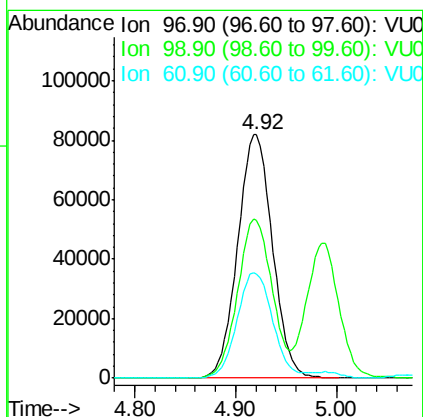
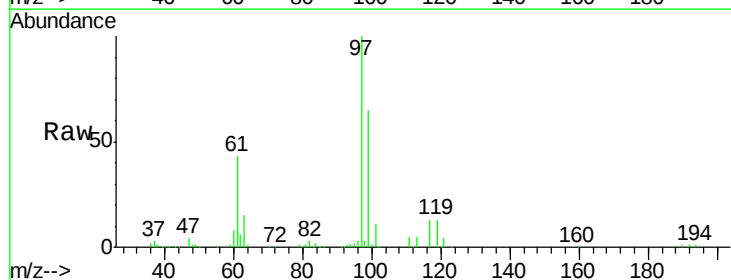
Instrument :
MSVOA_U
ClientSampled :

Tot Ion	56	Resp	182516
Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.8	37.2
84	84.8	65.2	97.8



#32
1,1,1-Trichloroethane
Concen: 47.06 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	97	Resp	195755
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	44.1	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 47.02 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

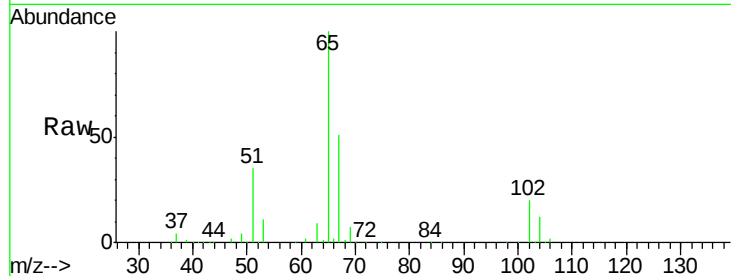
ClientSampled :

Tot Ion: 65 Resp: 141491

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024865.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024865.D (-1376) (-)

5.31

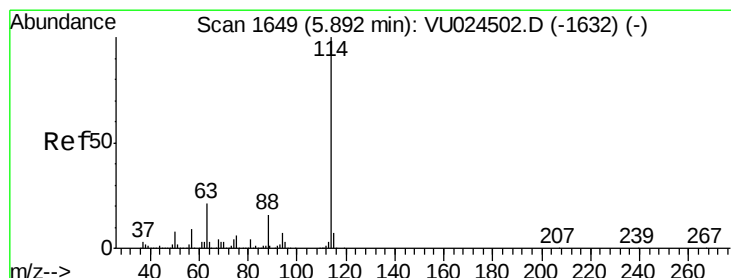
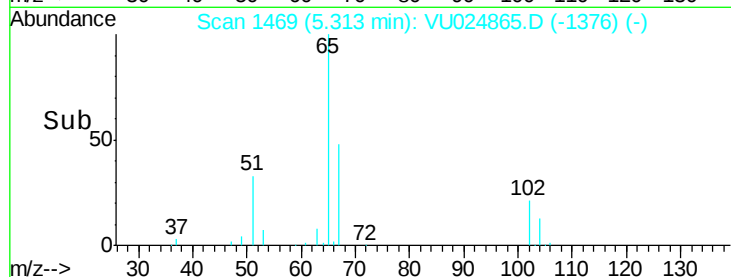
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion: 114 Resp: 275387

Ion Ratio Lower Upper

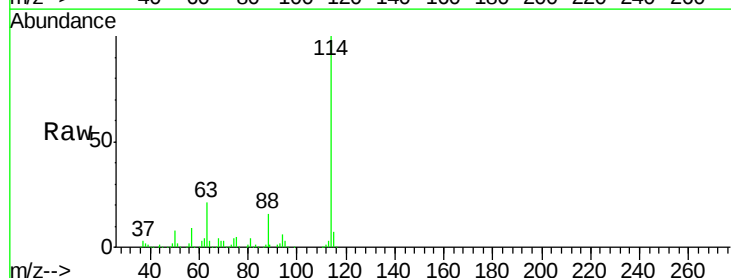
114 100

63 20.6

0.0 45.4

88 16.4

0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024865.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024865.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024865.D (-1556) (-)

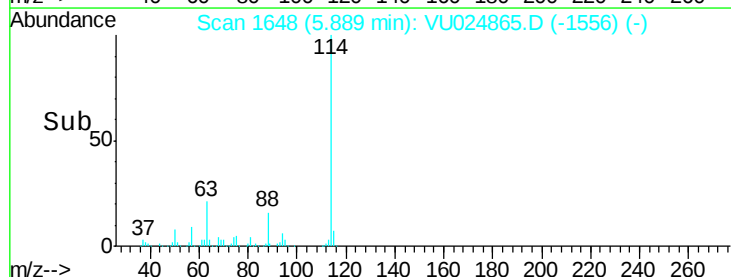
150000

100000

50000

0

Time-->

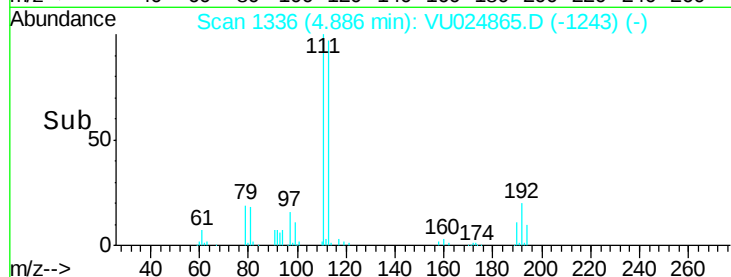
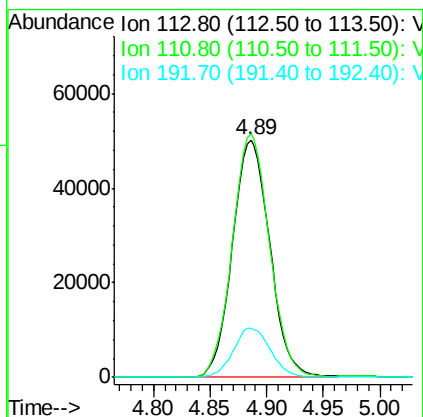
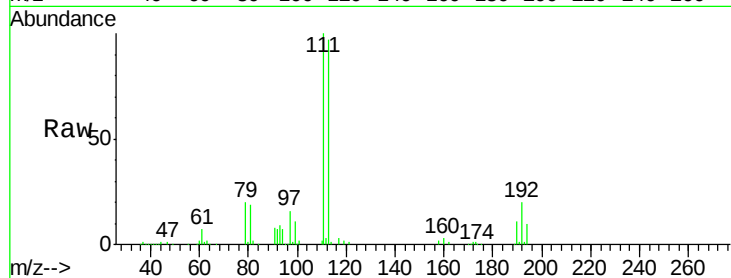




#35
 Dibromofluoromethane
 Concen: 50.52 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

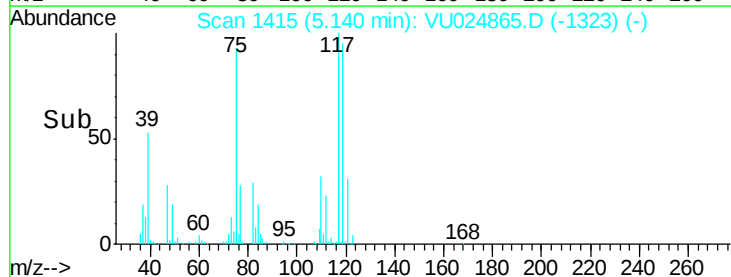
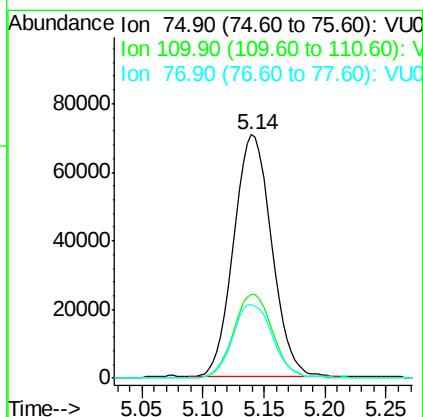
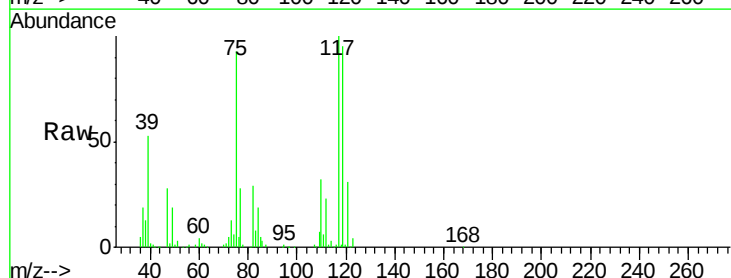
Instrument :
 MSVOA_U
 ClientSampleId :

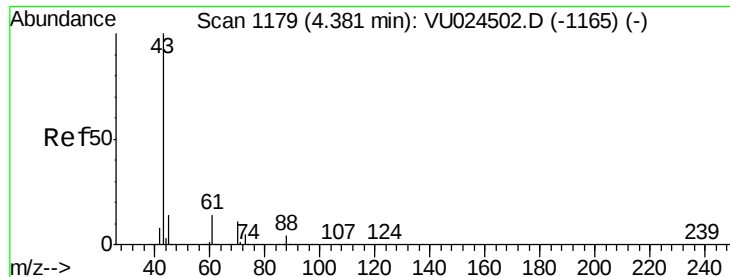
Tot Ion:113 Resp: 115473
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 20.6 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 47.22 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion: 75 Resp: 152820
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.0 50.9
 77 31.5 24.2 36.4

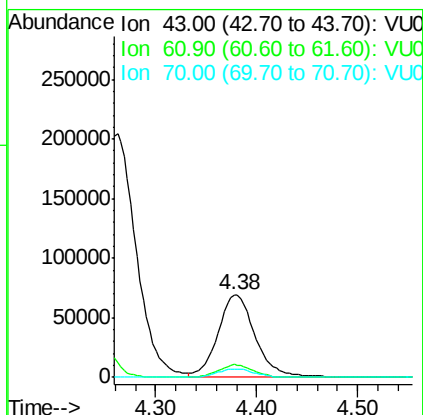
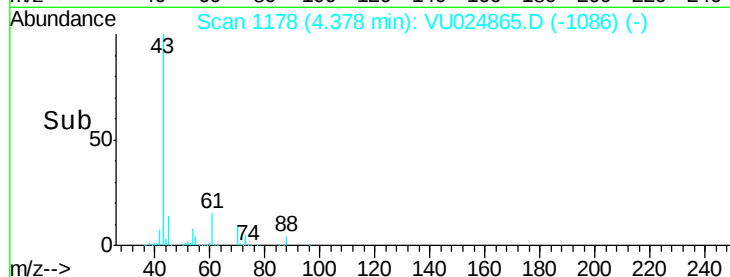
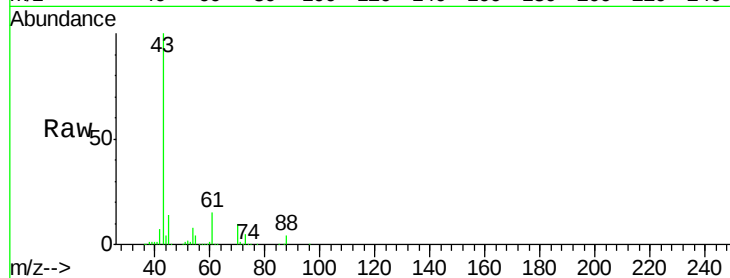




#37
Ethyl Acetate
Concen: 49.40 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

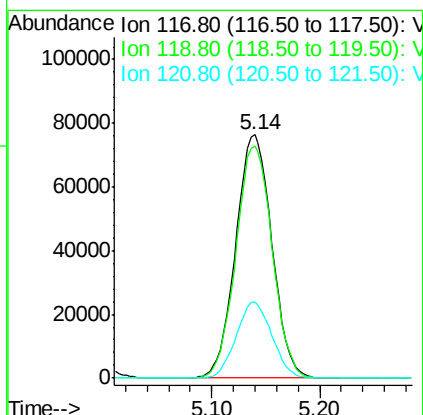
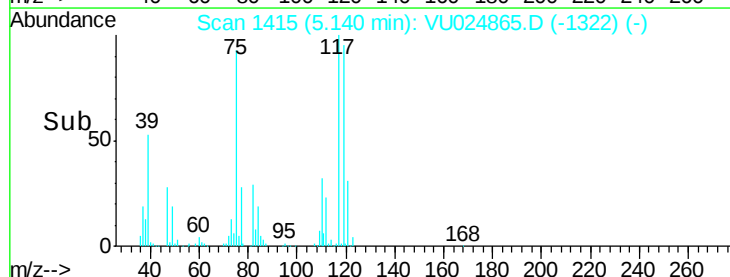
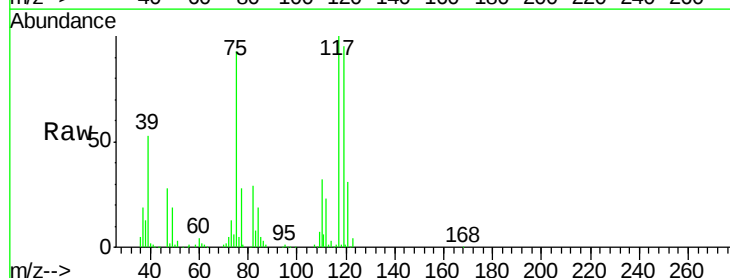
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 174232
Ion Ratio Lower Upper
43 100
61 14.5 10.5 15.7
70 10.4 7.4 11.2



#38
Carbon Tetrachloride
Concen: 50.06 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 117 Resp: 178142
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1
121 31.3 23.7 35.5

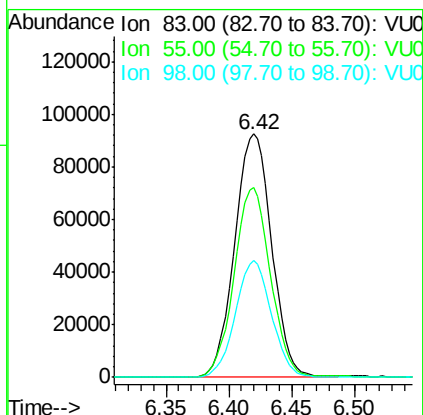
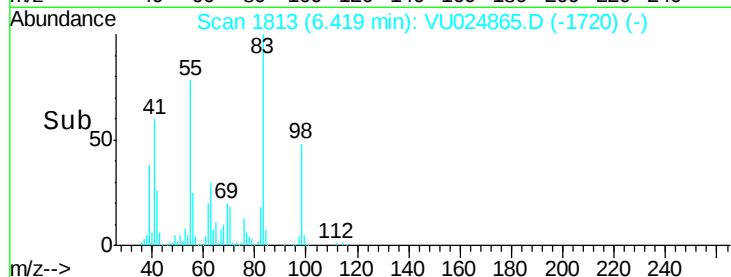
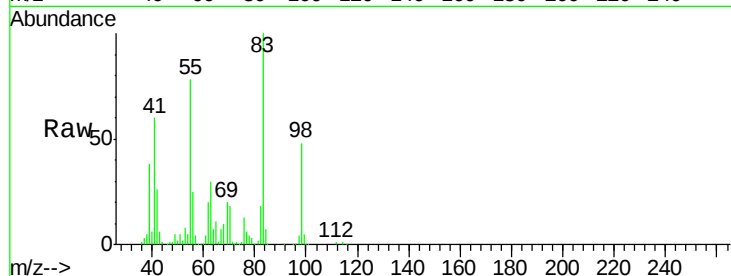




#39
Methvlcvclohexane
Concen: 47.09 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

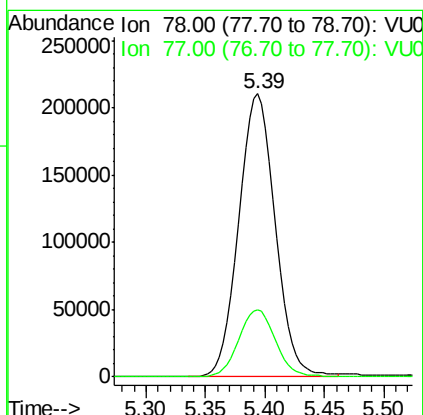
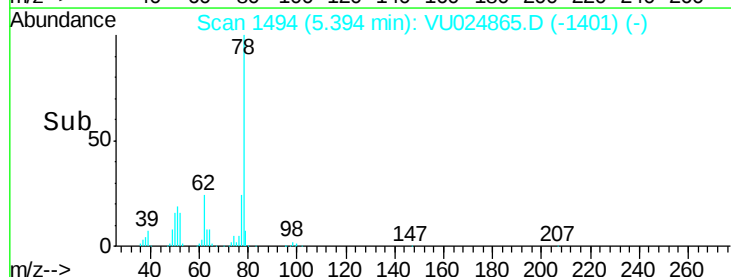
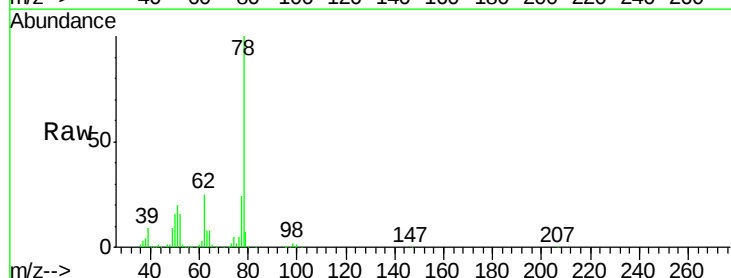
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 190173
Ion Ratio Lower Upper
83 100
55 78.0 65.8 98.6
98 48.0 36.7 55.1



#40
Benzene
Concen: 48.61 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 78 Resp: 448231
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

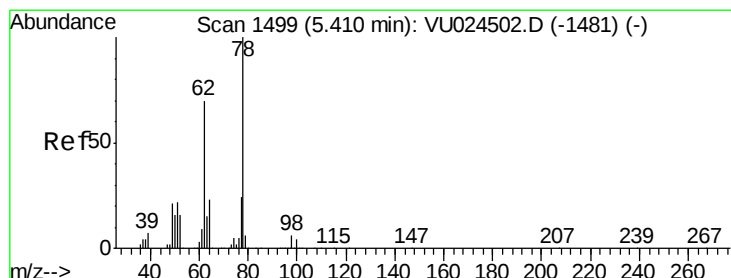
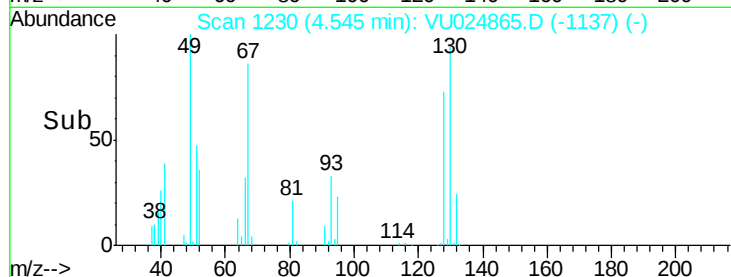
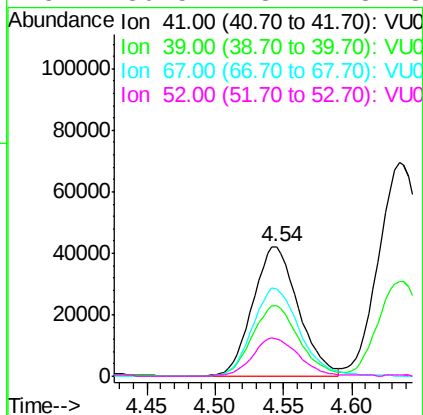
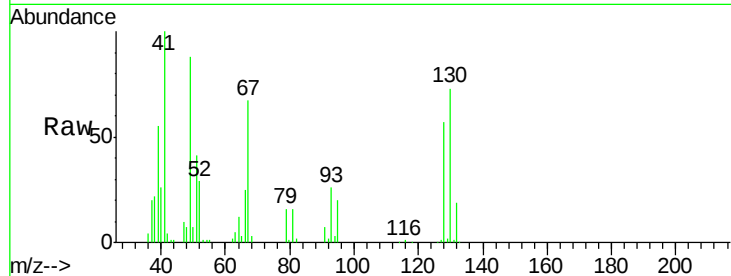




#41
Methacrylonitrile
Concen: 51.08 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

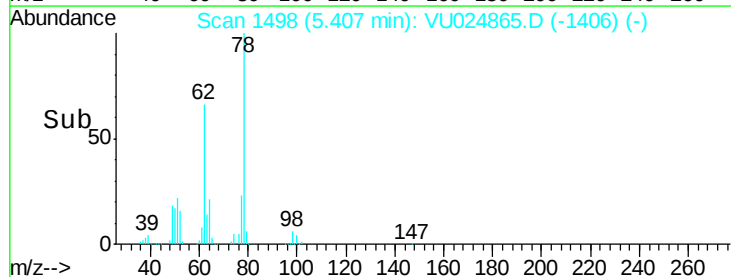
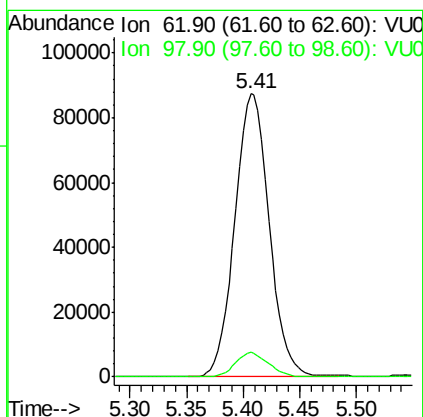
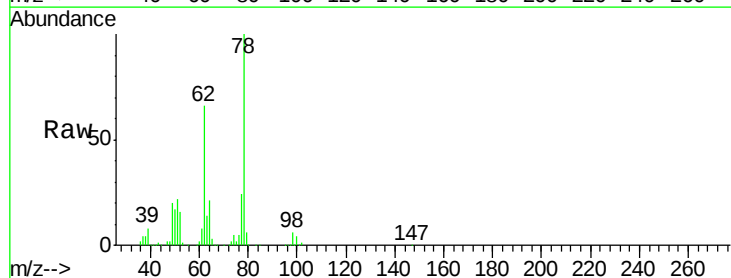
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	97131
Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.8	65.6
67	70.9	56.3	84.5
52	30.5	23.2	34.8



#42
1,2-Dichloroethane
Concen: 52.78 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:	62	Resp:	185371
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6

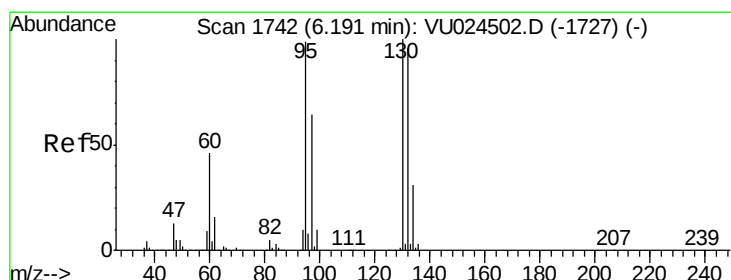
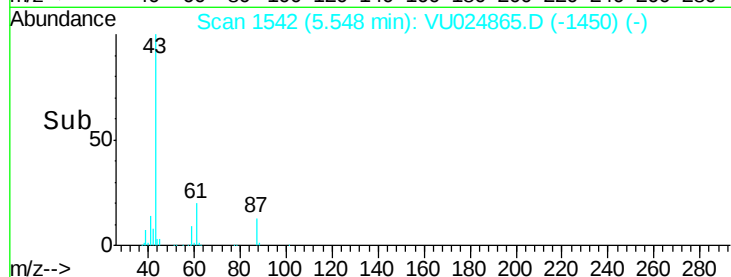
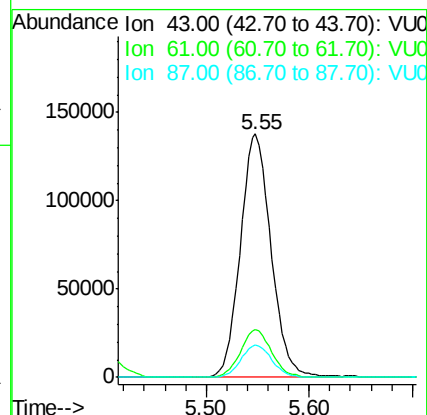
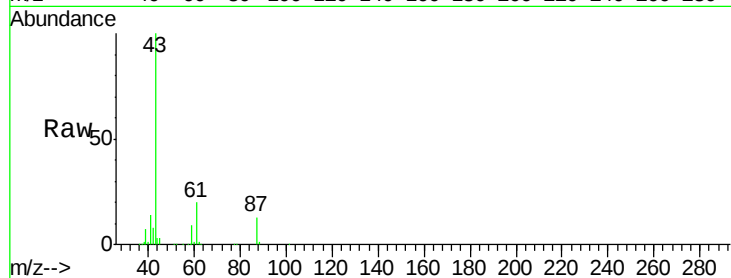




#43
Isopropyl Acetate
Concen: 46.49 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

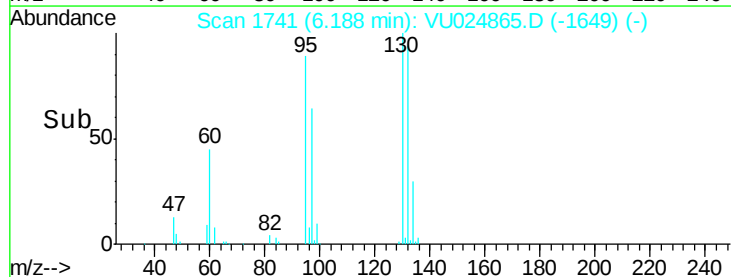
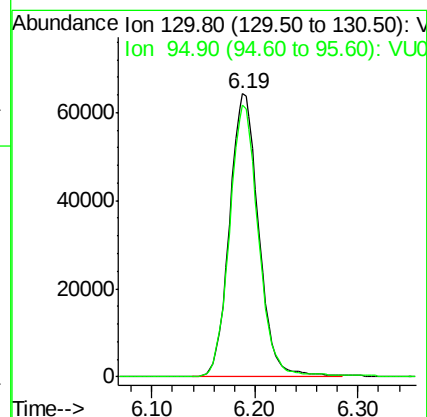
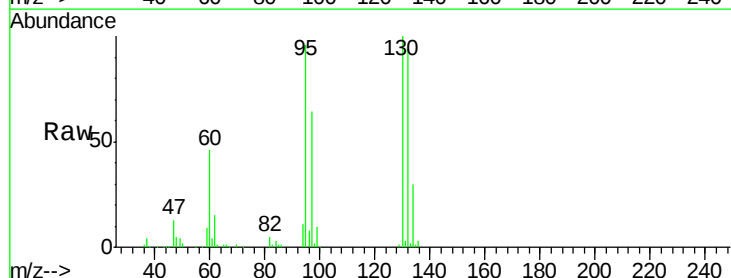
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 283432
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.4 10.0 15.0



#44
Trichloroethene
Concen: 48.26 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:130 Resp: 126641
Ion Ratio Lower Upper
130 100
95 95.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.48 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

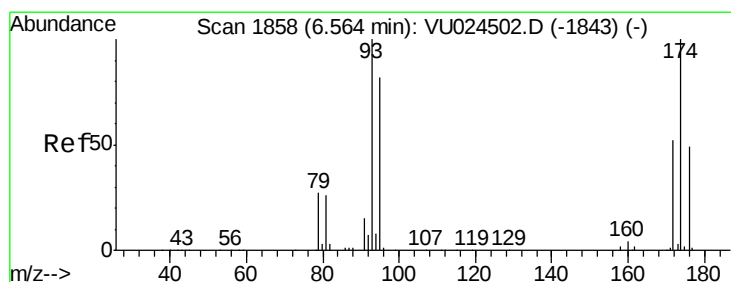
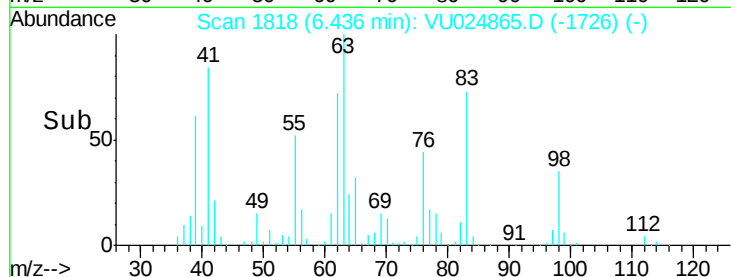
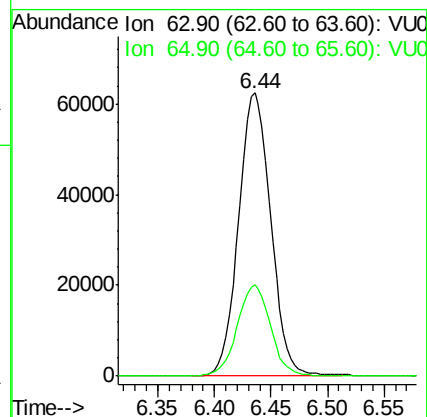
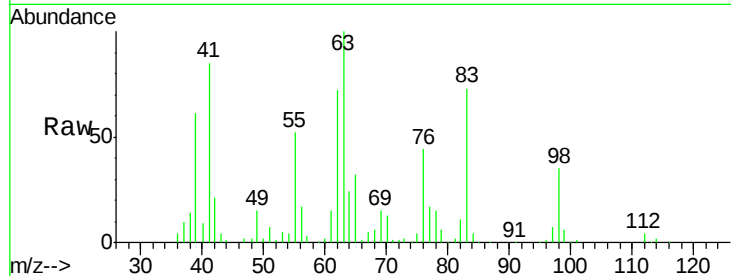
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 124189

Ion Ratio Lower Upper

63 100

65 32.1 24.8 37.2



#46

Dibromomethane

Concen: 52.03 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

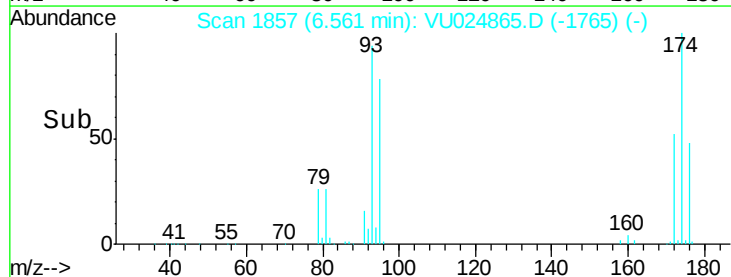
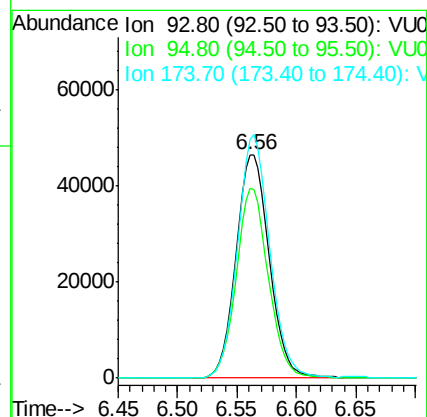
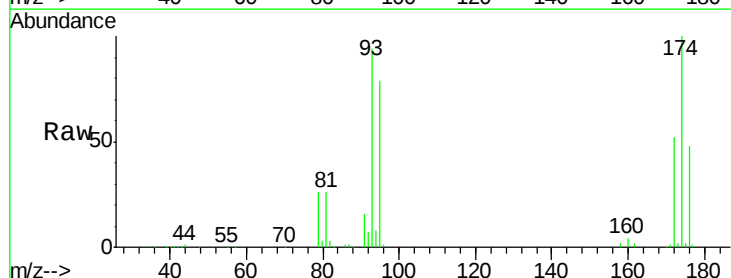
Tgt Ion: 93 Resp: 89920

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

174 105.6 78.7 118.1





#47

Bromodichloromethane

Concen: 51.37 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampled :

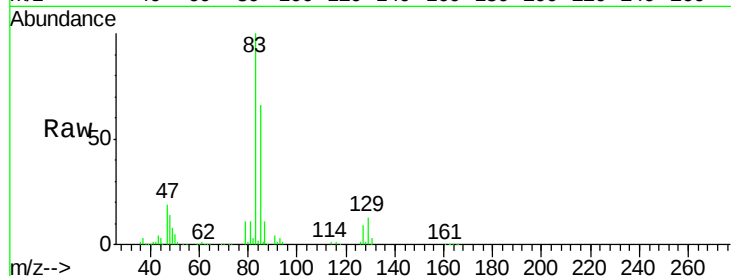
Tot Ion: 83 Resp: 176764

Ion Ratio Lower Upper

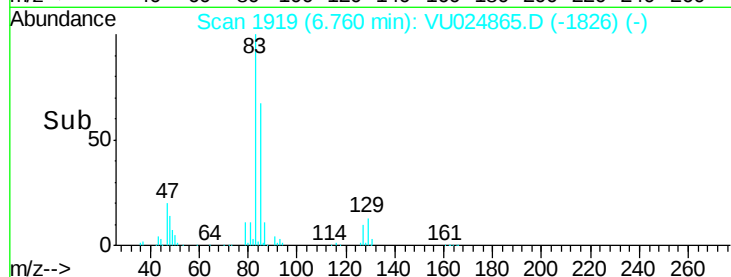
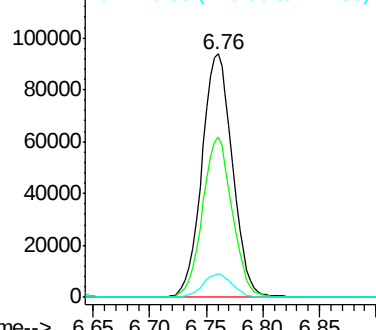
83 100

85 65.7 51.9 77.9

127 9.4 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: 48.14 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

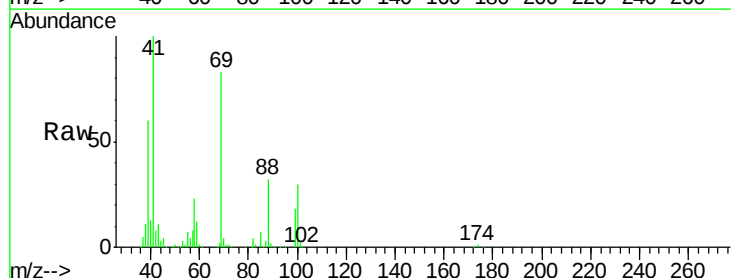
Tgt Ion: 41 Resp: 142922

Ion Ratio Lower Upper

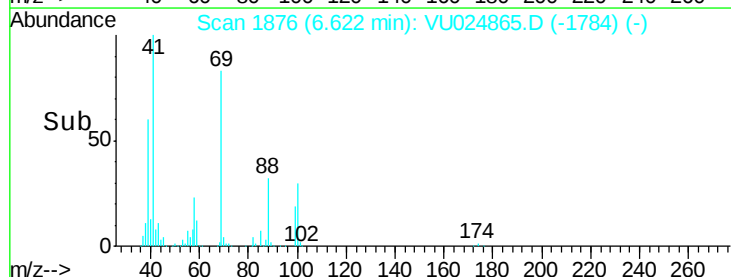
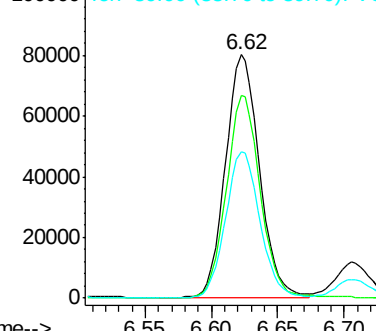
41 100

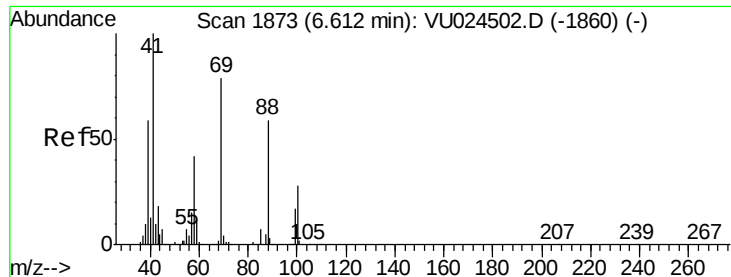
69 84.0 67.3 100.9

39 60.8 46.5 69.7



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

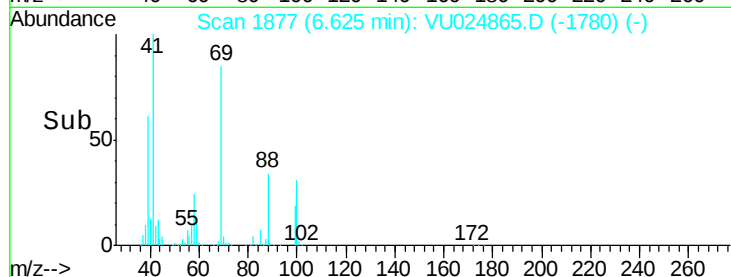
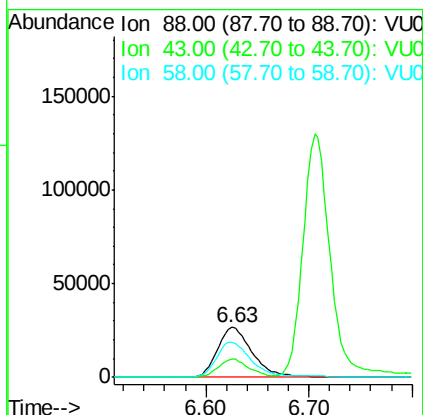
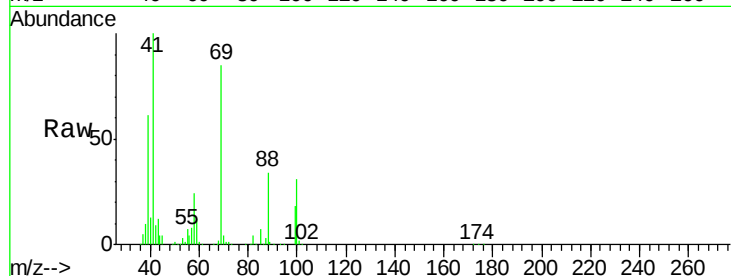




#49
 1,4-Dioxane
 Concen: 1076.88 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

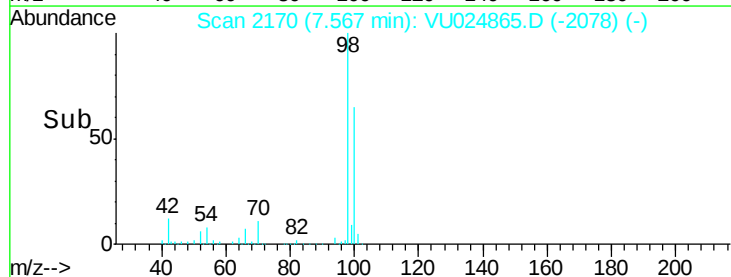
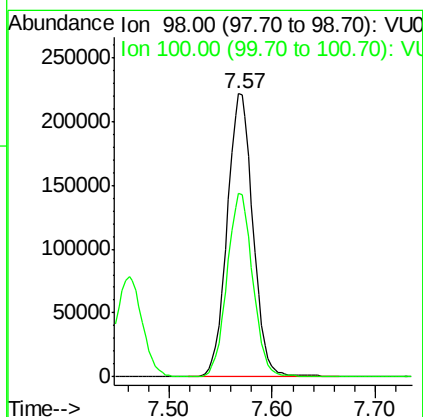
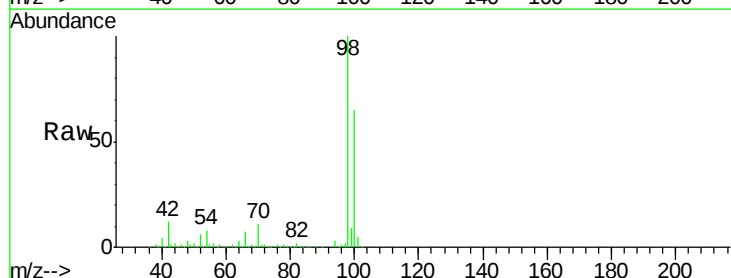
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 88 Resp: 62520
 Ion Ratio Lower Upper
 88 100
 43 32.2 28.6 42.8
 58 69.8 58.2 87.4



#50
 Toluene-d8
 Concen: 46.36 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion: 98 Resp: 386485
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.1 76.7

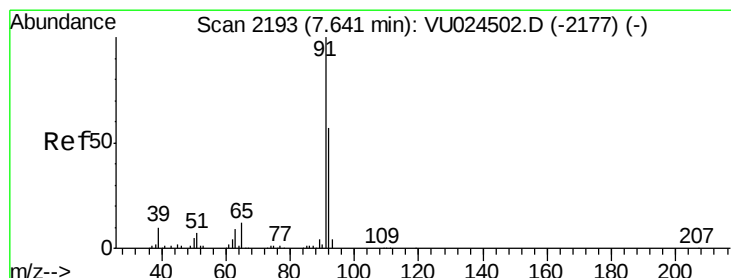
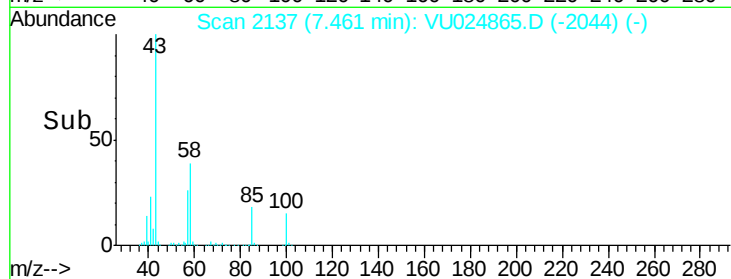
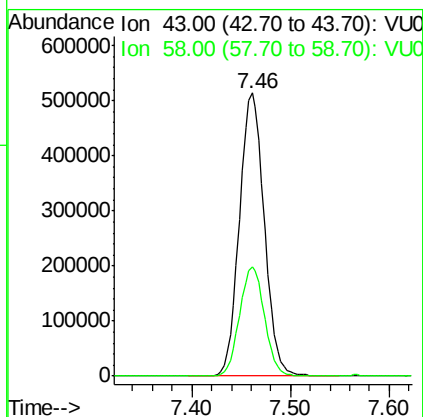
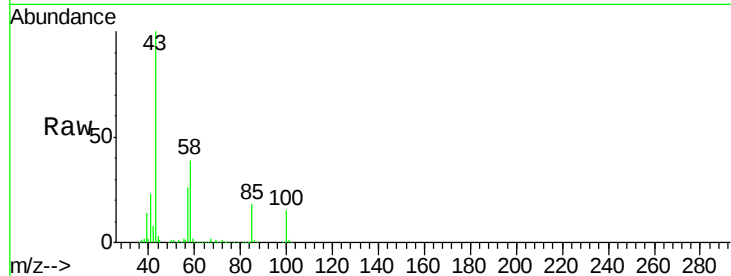




#51
 4-Methyl-2-Pentanone
 Concen: 234.14 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

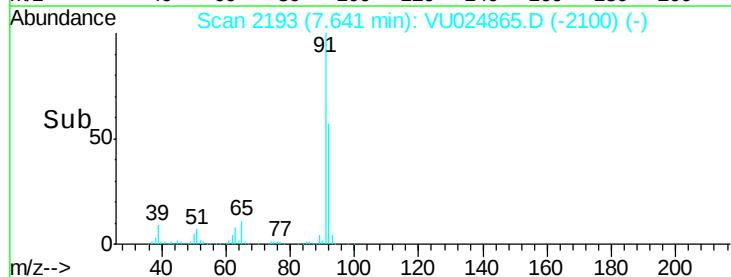
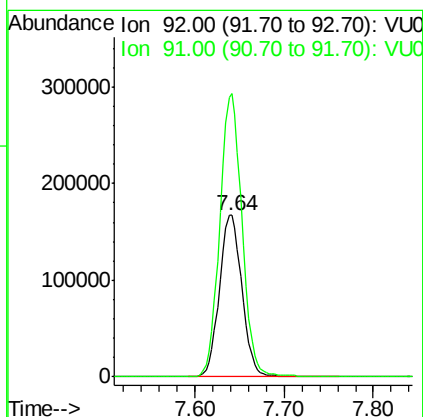
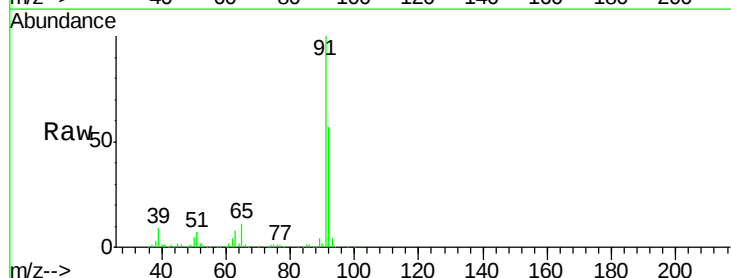
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 896792
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.0 45.0



#52
 Toluene
 Concen: 49.45 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion: 92 Resp: 293359
 Ion Ratio Lower Upper
 92 100
 91 172.3 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.48 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

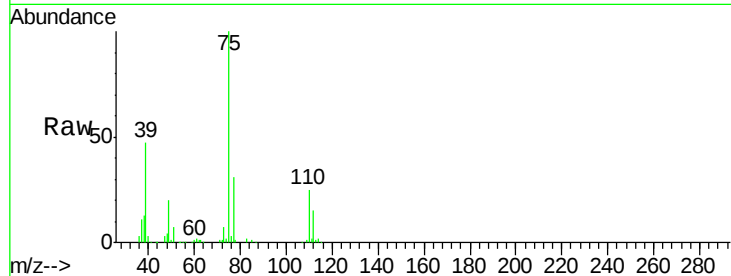
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 195100

Ion Ratio Lower Upper

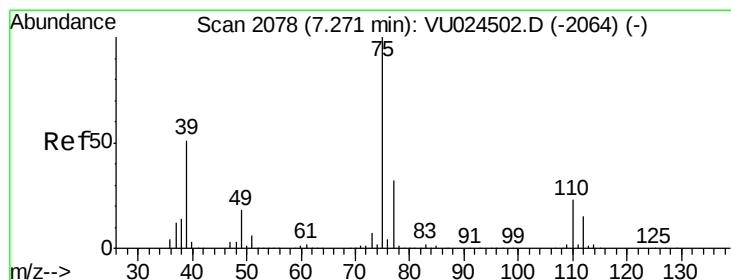
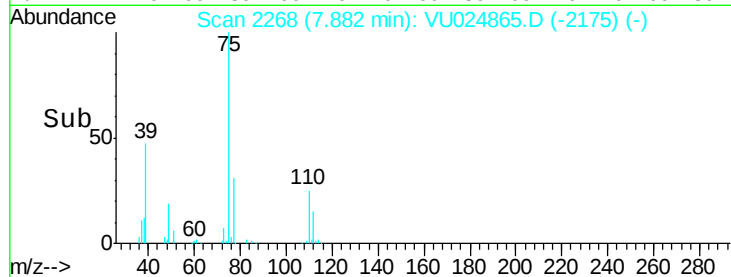
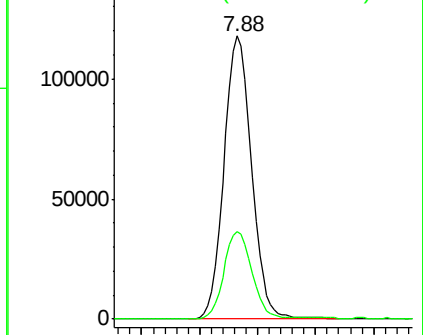
75 100

77 31.0 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: 49.16 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

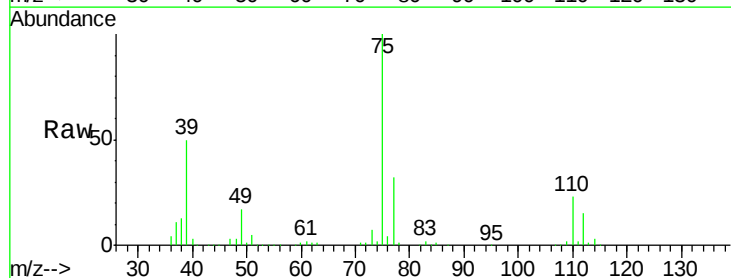
Tgt Ion: 75 Resp: 202444

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

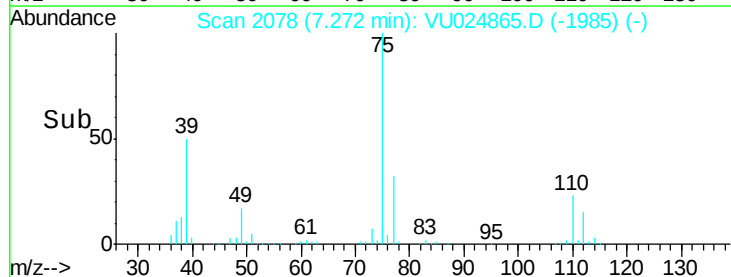
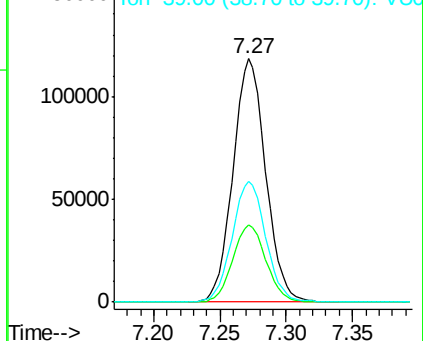
39 49.6 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

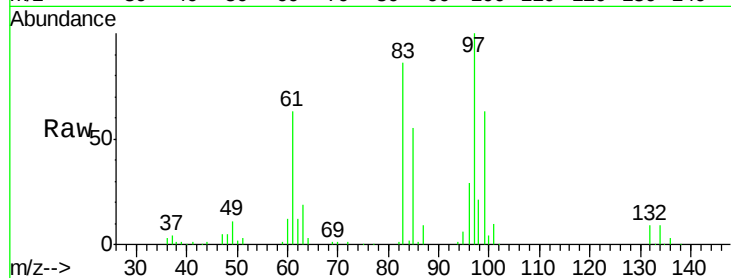




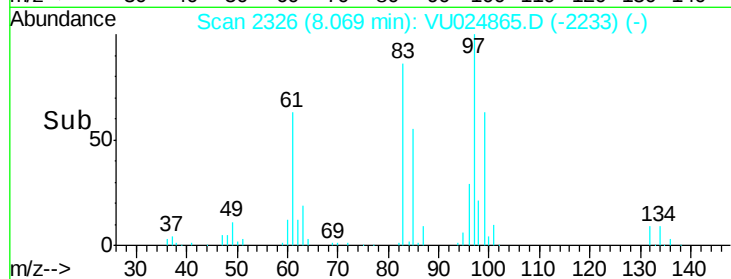
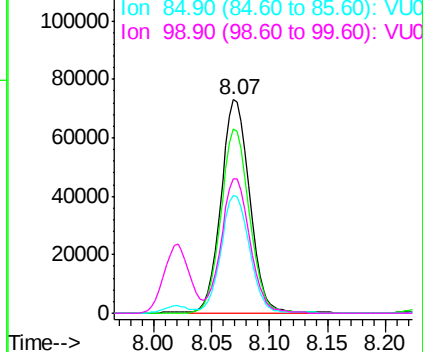
#55
 1,1,2-Trichloroethane
 Concen: 51.74 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	124775
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.5	105.7
85	55.4	46.4	69.6
99	62.7	50.2	75.2

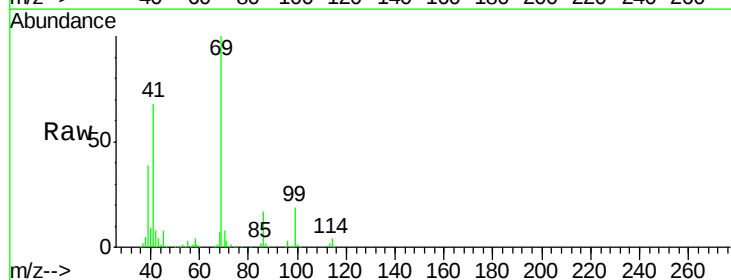


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

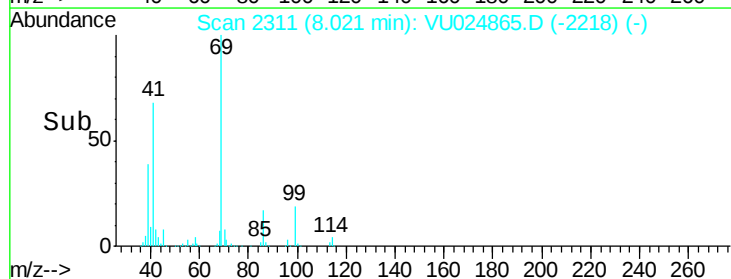
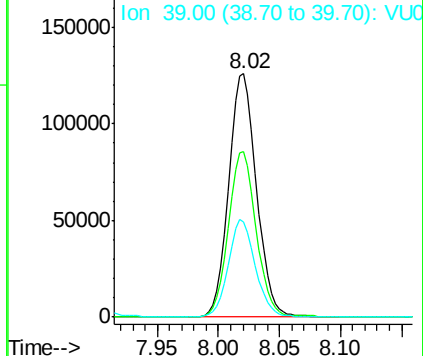


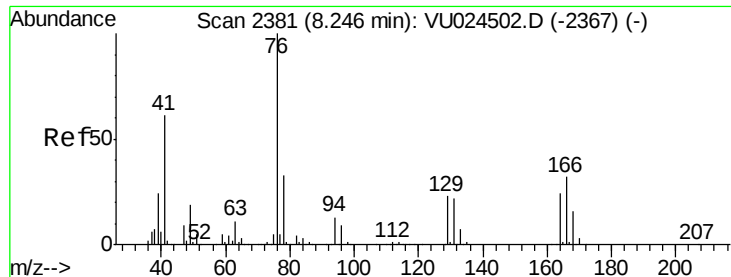
#56
 Ethyl methacrylate
 Concen: 49.86 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion:	69	Resp:	201235
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	38.3	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 51.42 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

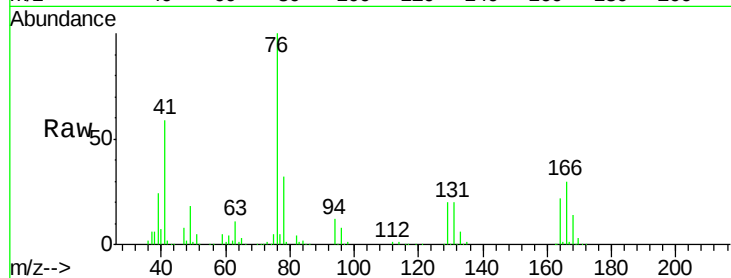
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 209152

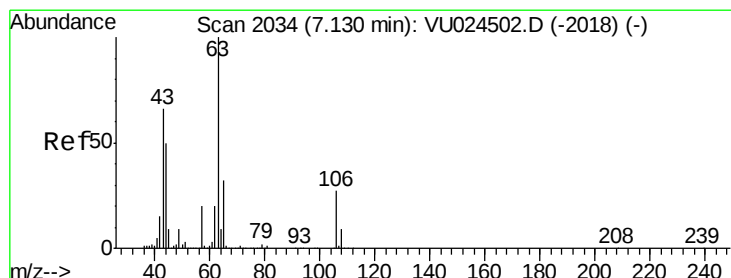
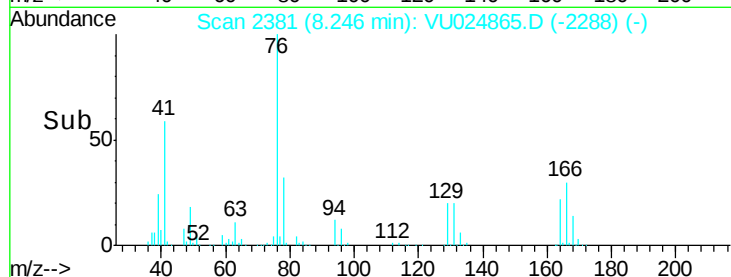
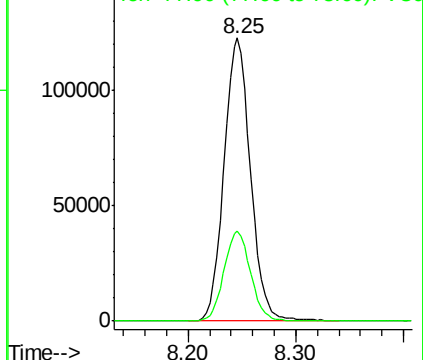
Ion Ratio Lower Upper

76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 146.73 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024865.D

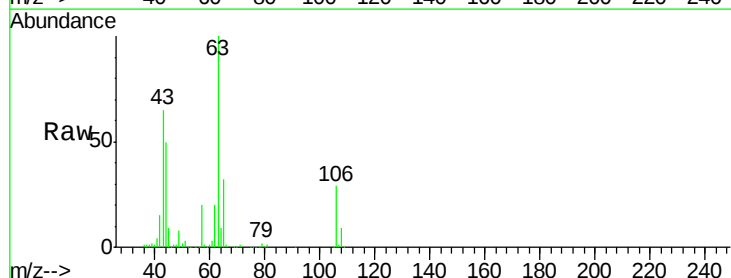
Acq: 25 Jun 2018 11:03

Tgt Ion: 63 Resp: 226883

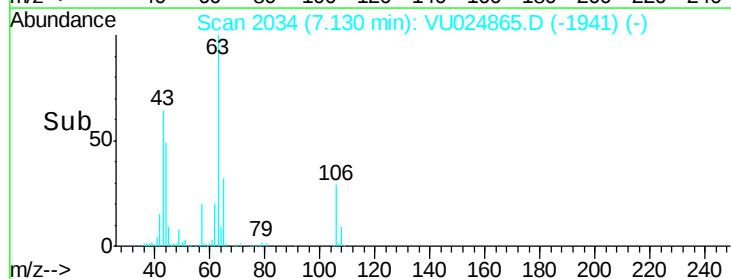
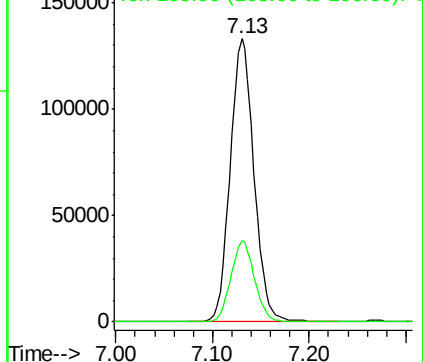
Ion Ratio Lower Upper

63 100

106 28.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

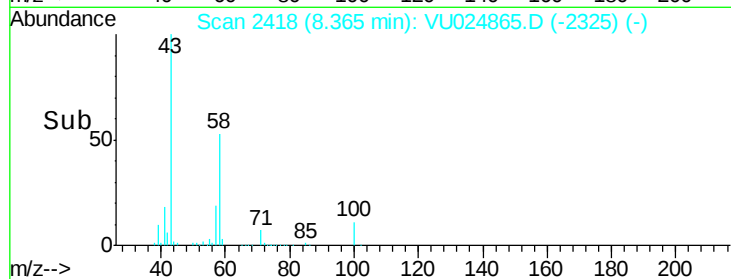
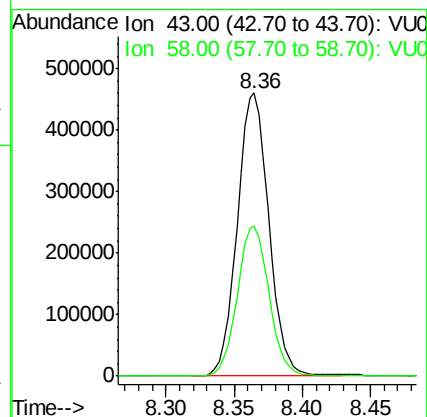
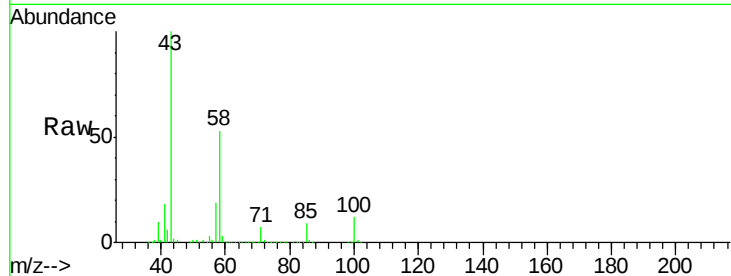




#59
2-Hexanone
Concen: 236.35 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

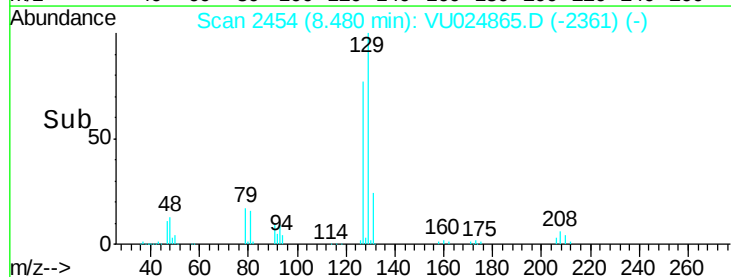
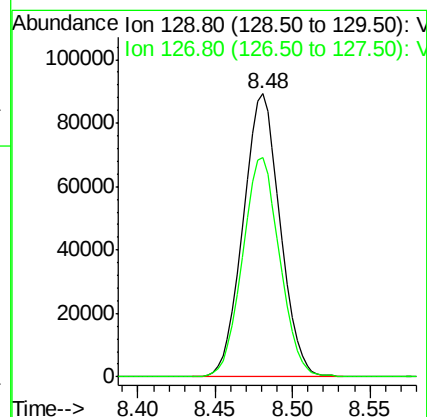
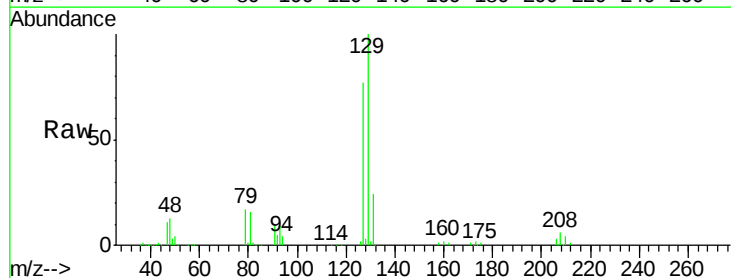
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 739065
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0



#60
Dibromochloromethane
Concen: 49.38 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:129 Resp: 148489
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.25 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

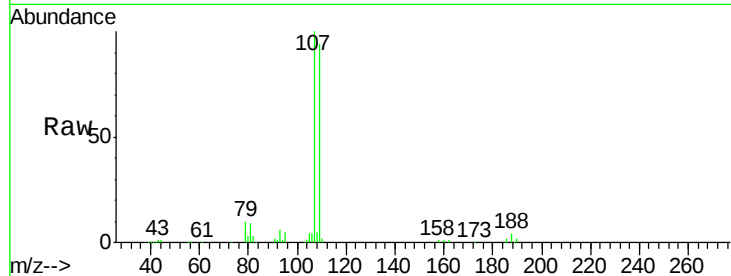
ClientSampleId :

Tot Ion:107 Resp: 134865

Ion Ratio Lower Upper

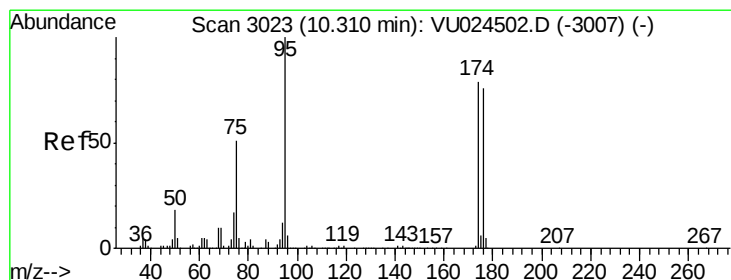
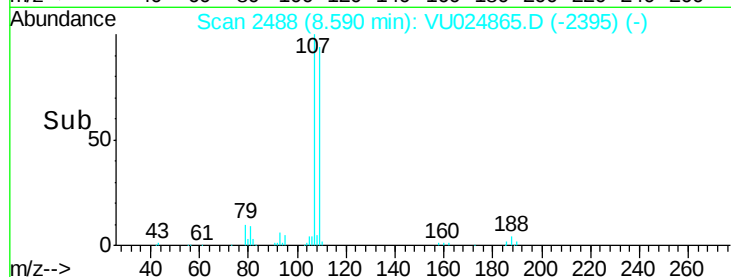
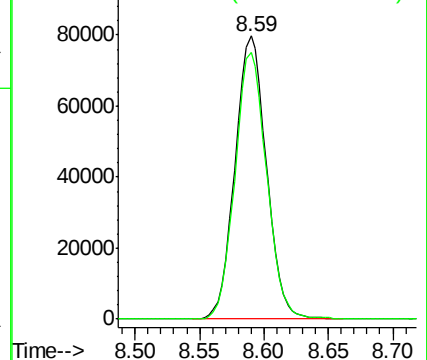
107 100

109 94.9 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.20 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

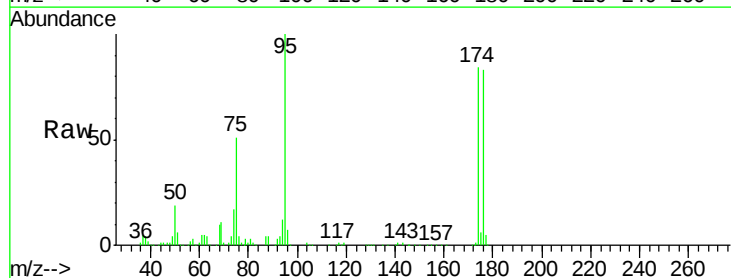
Tgt Ion: 95 Resp: 156225

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

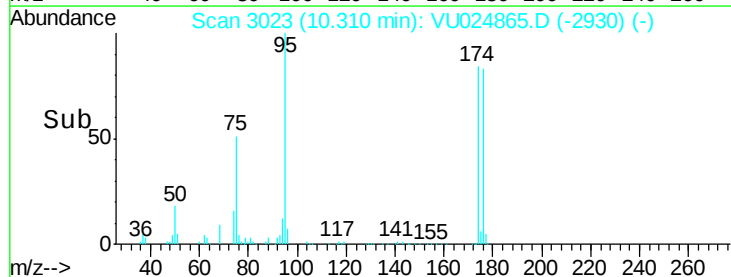
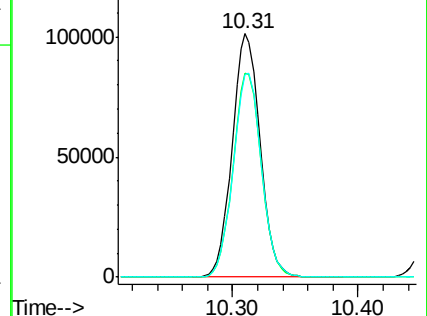
176 84.5 0.0 159.4

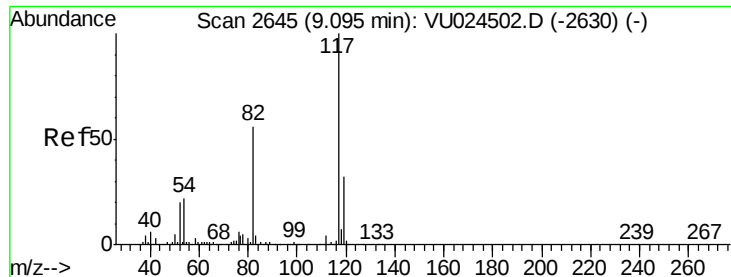


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

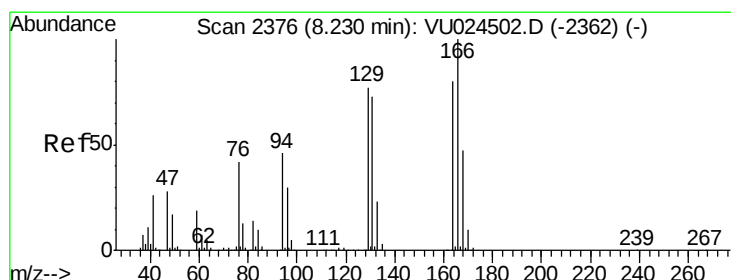
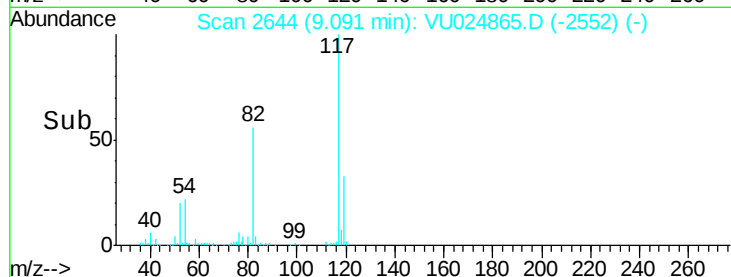
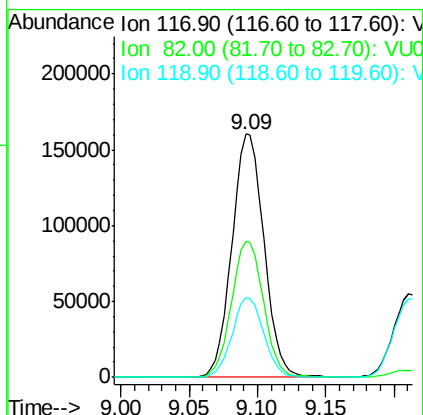
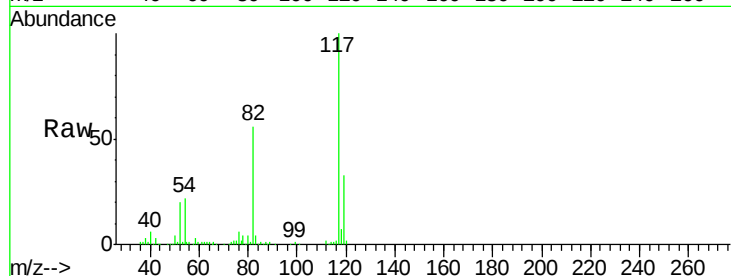




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

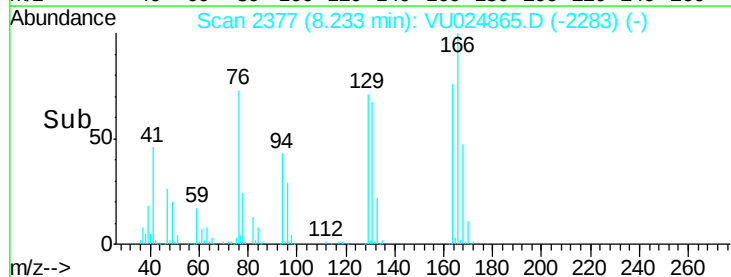
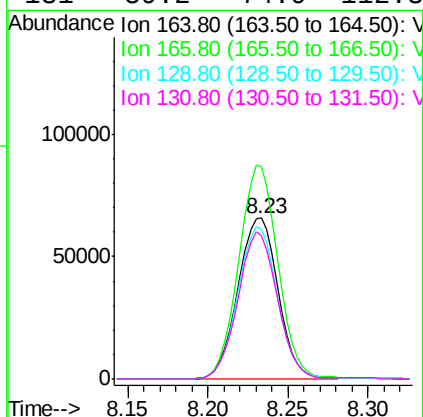
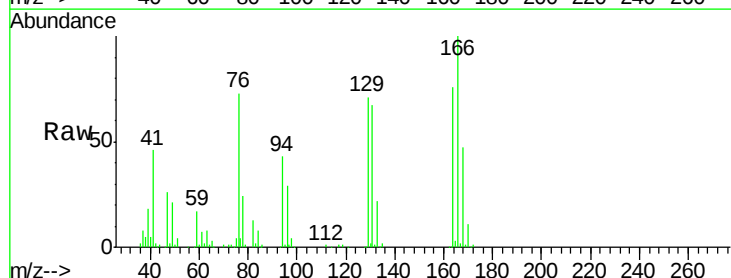
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 262571
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.8 25.4 38.2



#64
Tetrachloroethene
Concen: 45.15 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:164 Resp: 112676
Ion Ratio Lower Upper
164 100
166 132.2 101.7 152.5
129 93.3 76.9 115.3
131 89.2 74.9 112.3

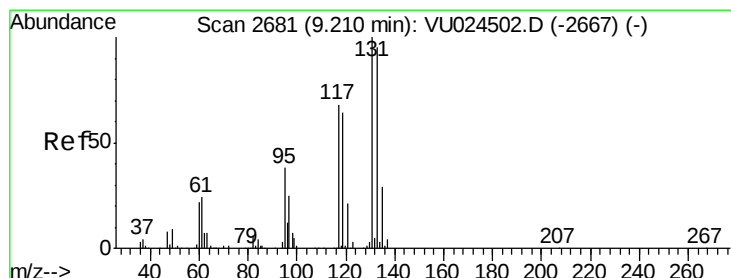
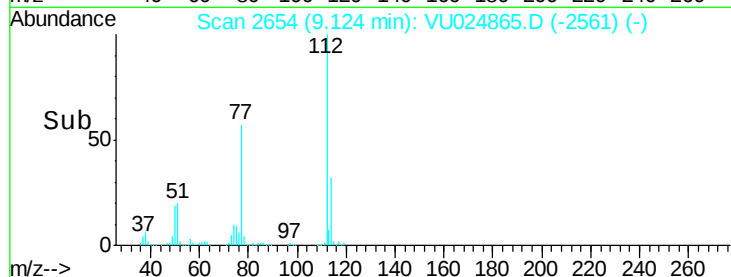
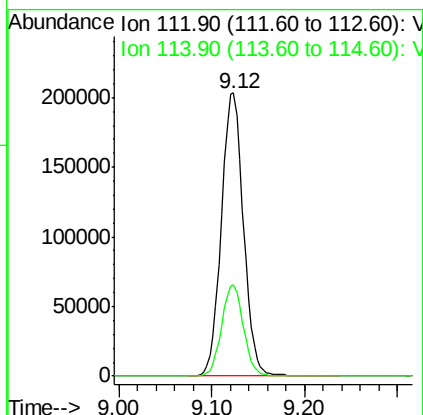
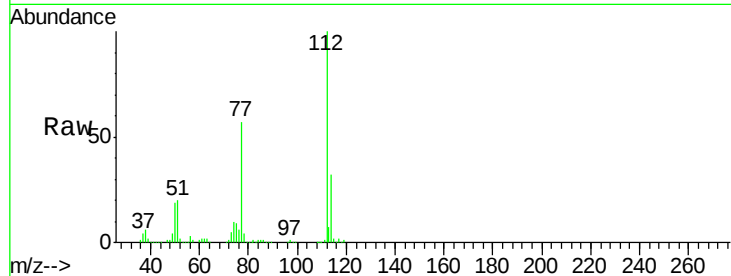




#65
Chlorobenzene
Concen: 50.04 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

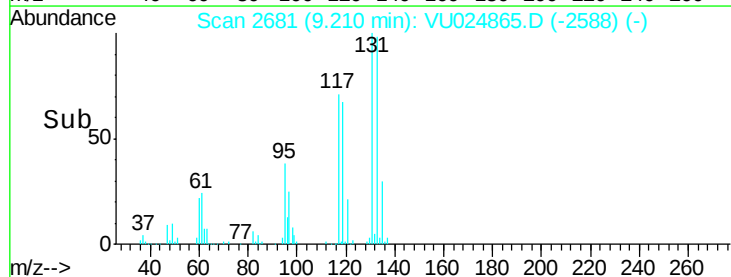
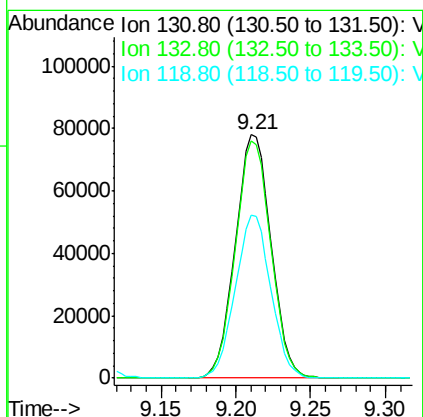
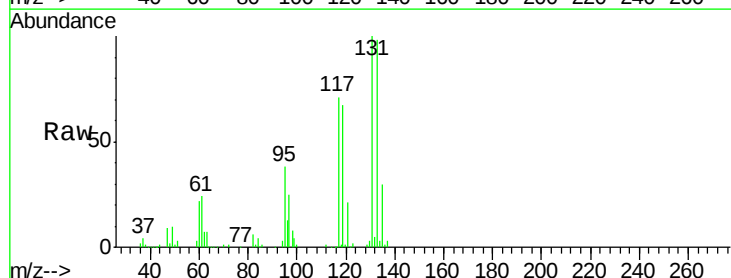
Instrument :
MSVOA_U
ClientSampleId :

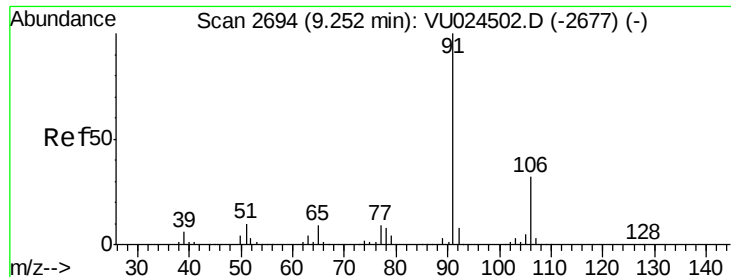
Tot Ion:112 Resp: 335672
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.06 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:131 Resp: 130122
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.8
119 66.2 33.5 100.4

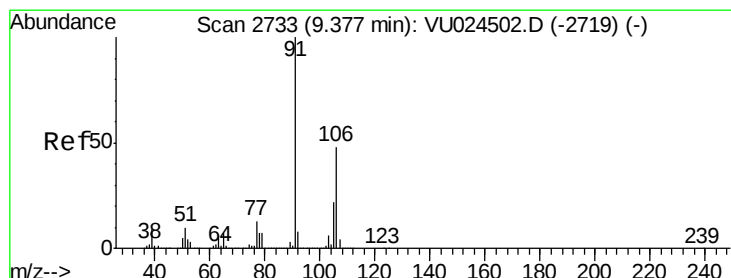
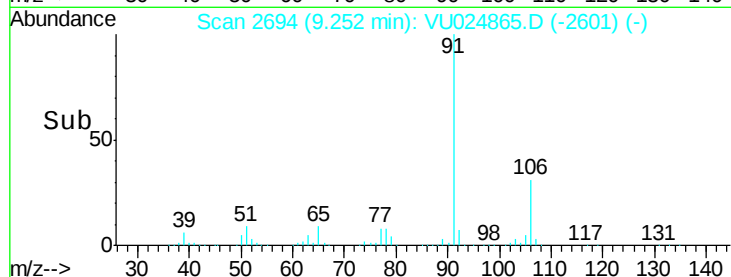
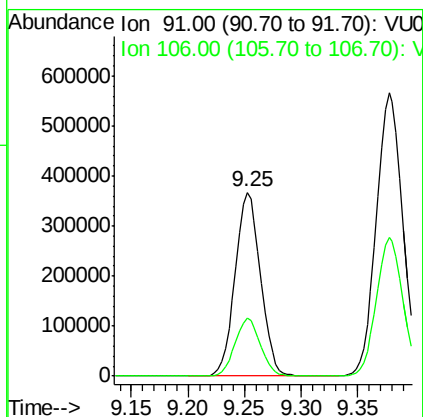
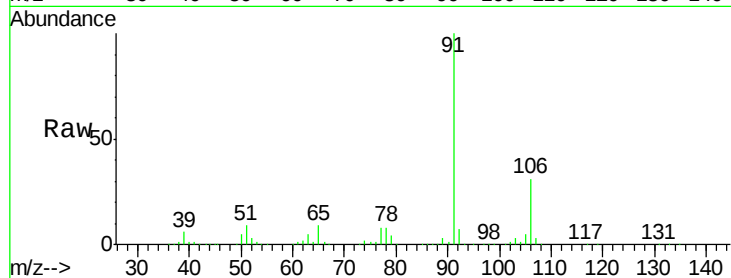




#67
Ethyl Benzene
Concen: 49.02 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

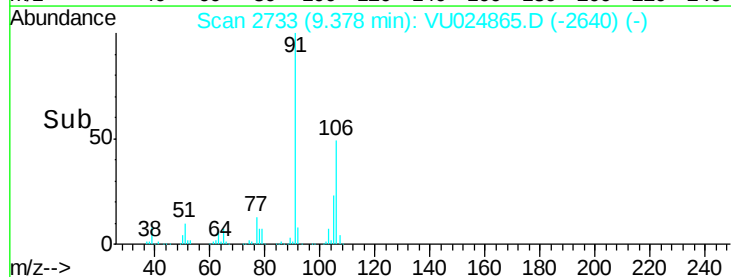
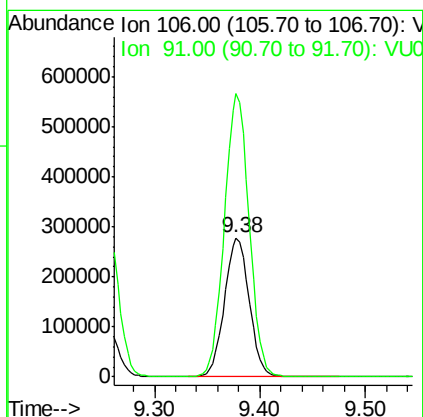
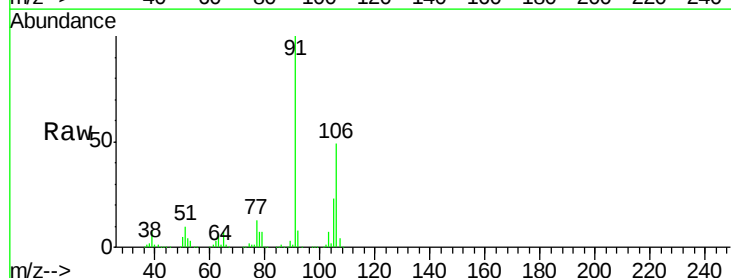
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 576443
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4



#68
m/p-Xylenes
Concen: 100.17 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 106 Resp: 452325
Ion Ratio Lower Upper
106 100
91 202.8 166.5 249.7

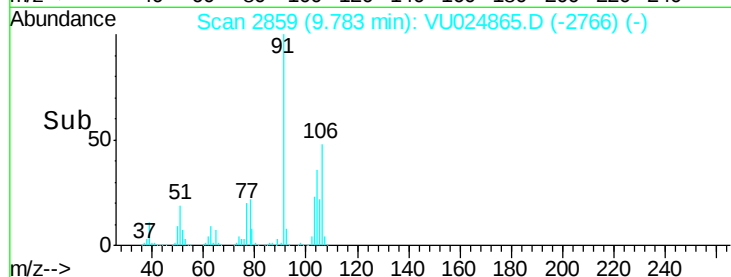
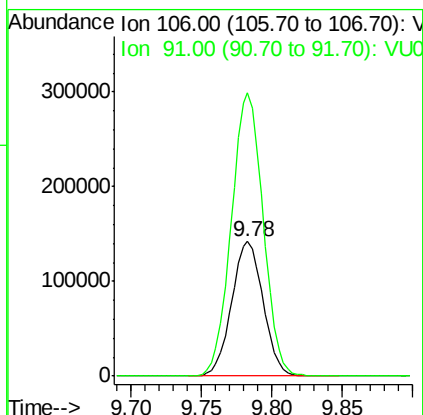
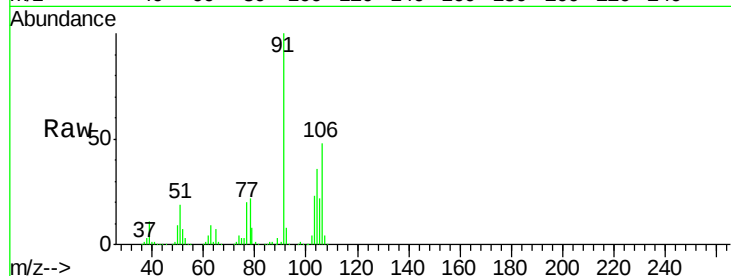




#69
o-Xylene
Concen: 49.72 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

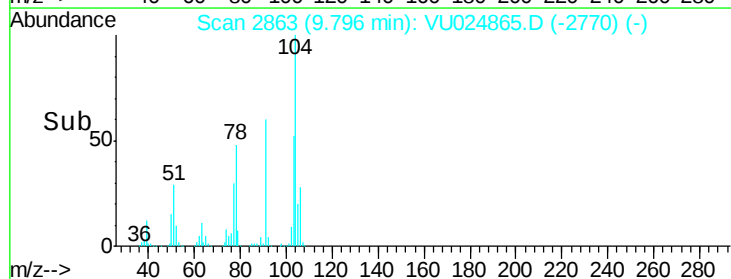
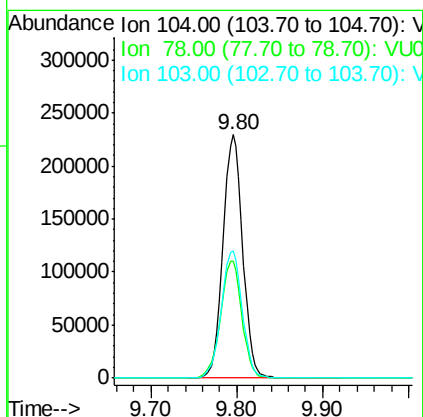
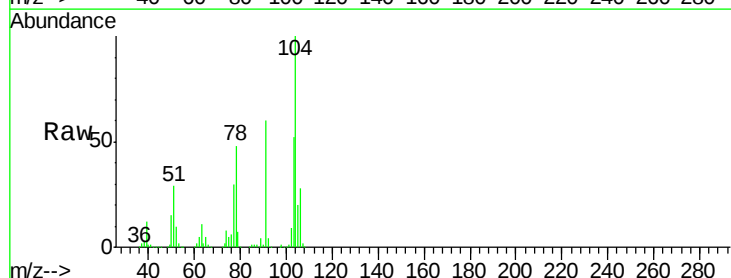
Instrument :
MSVOA_U
ClientSampled :

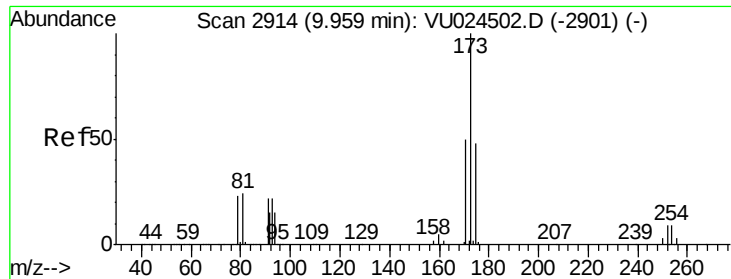
Tot Ion:106 Resp: 222207
Ion Ratio Lower Upper
106 100
91 212.6 110.7 331.9



#70
Styrene
Concen: 49.77 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:104 Resp: 365533
Ion Ratio Lower Upper
104 100
78 52.0 40.6 60.8
103 55.8 44.7 67.1





#71

Bromoform

Concen: 49.73 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :

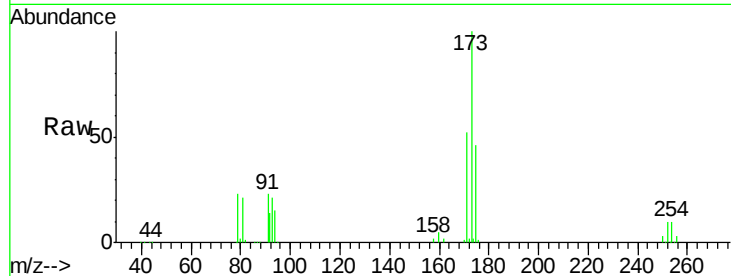
Tot Ion:173 Resp: 120450

Ion Ratio Lower Upper

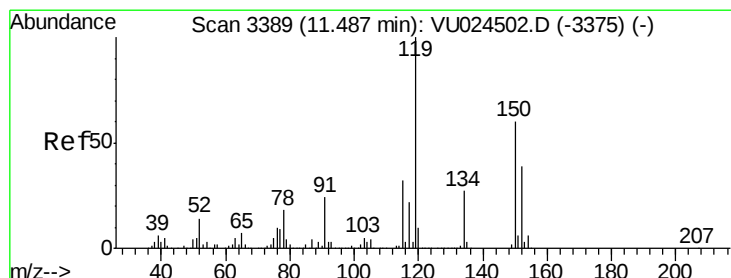
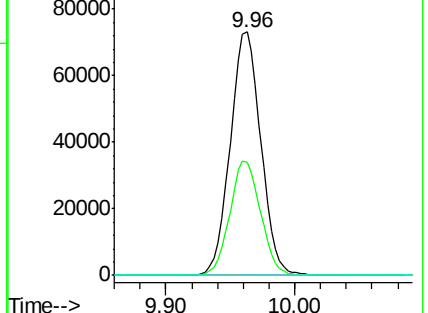
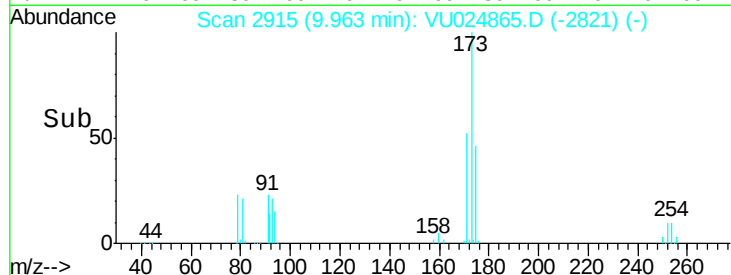
173 100

175 47.1 24.6 74.0

254 0.1 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: VU024865.D

Acq: 25 Jun 2018 11:03

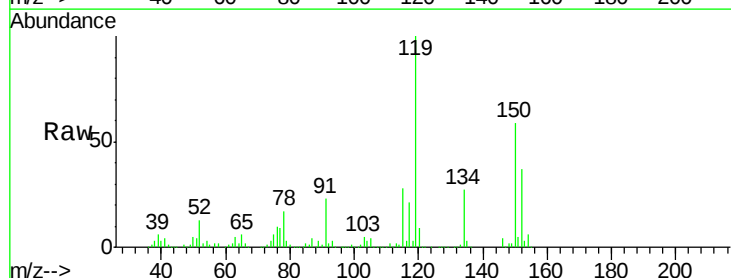
Tgt Ion:152 Resp: 159288

Ion Ratio Lower Upper

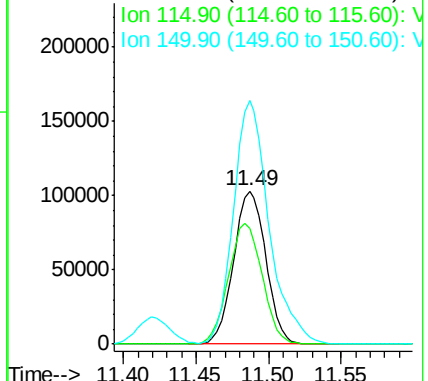
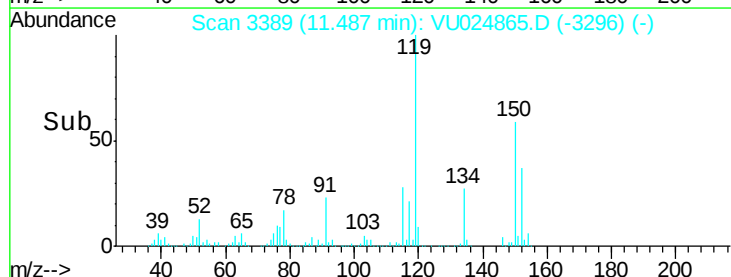
152 100

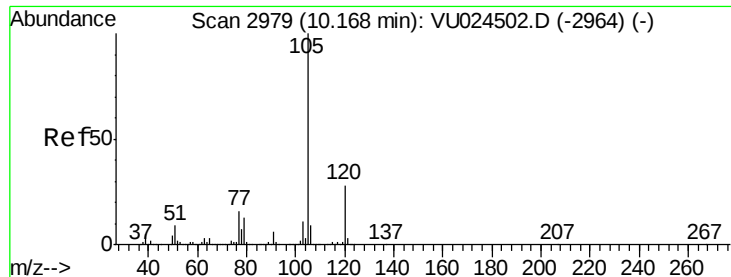
115 82.4 43.0 129.0

150 175.1 0.0 354.0



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





#73

Isopropylbenzene

Concen: 49.25 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

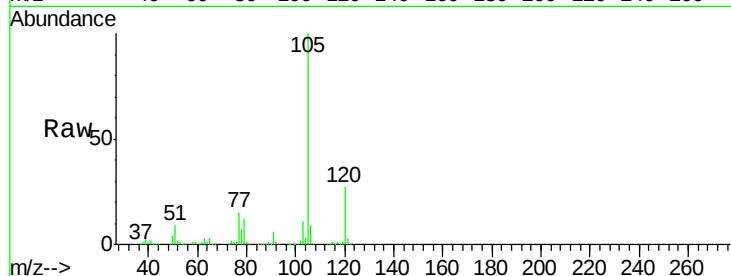
ClientSampleId :

Tot Ion:105 Resp: 602314

Ion Ratio Lower Upper

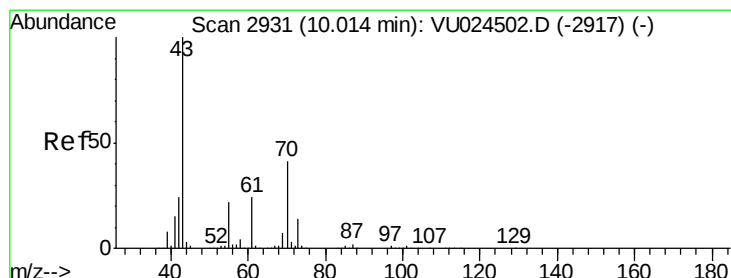
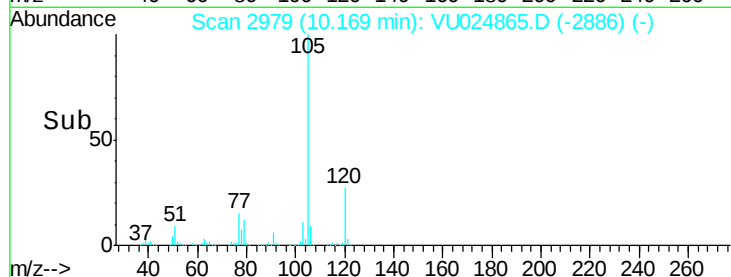
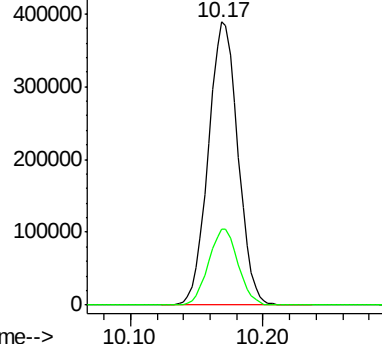
105 100

120 26.8 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: 45.47 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion: 43 Resp: 264486

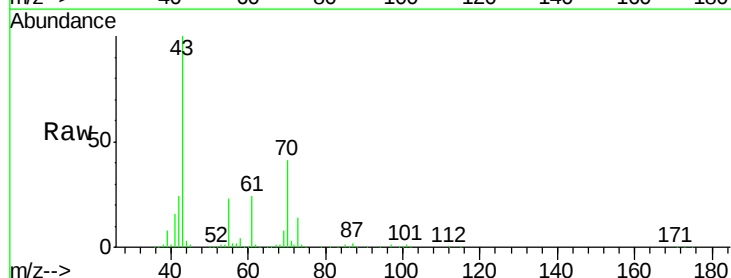
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 23.6 20.5 30.7

61 23.9 18.7 28.1

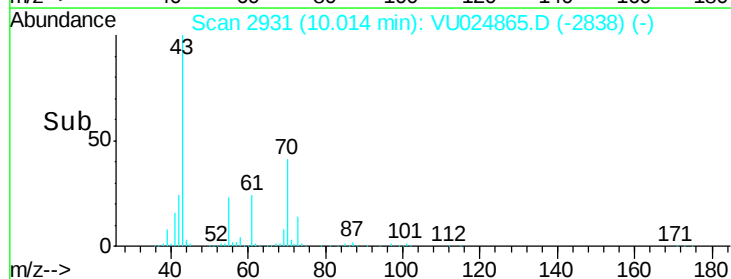
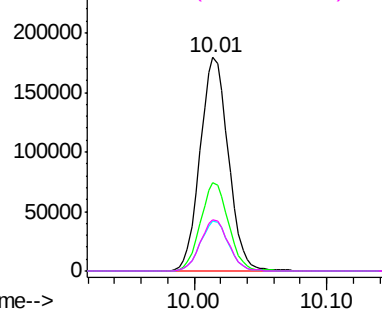


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 49.42 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

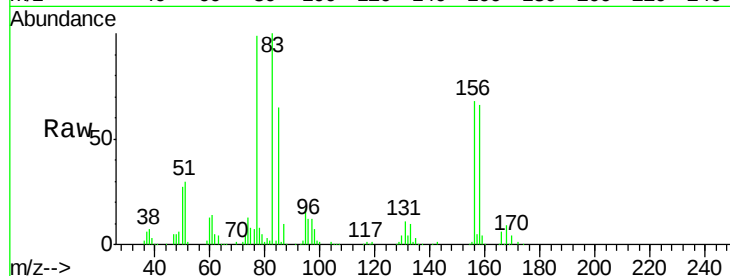
Tot Ion: 83 Resp: 202537

Ion Ratio Lower Upper

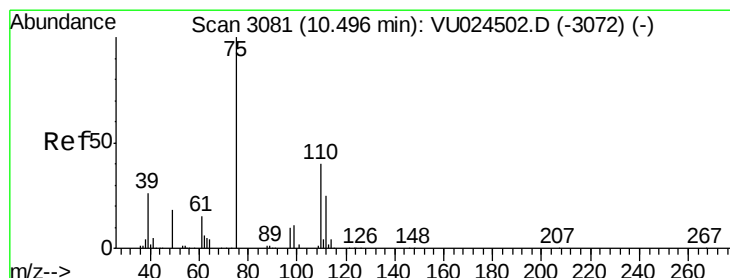
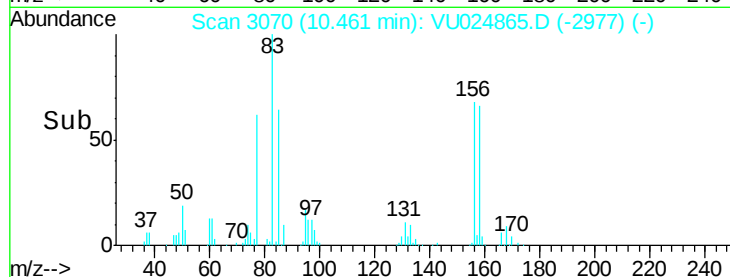
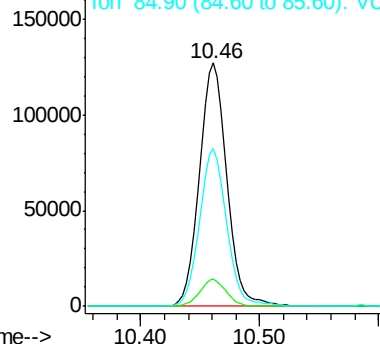
83 100

131 10.7 4.7 14.1

85 64.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024865.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 67.68 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024865.D

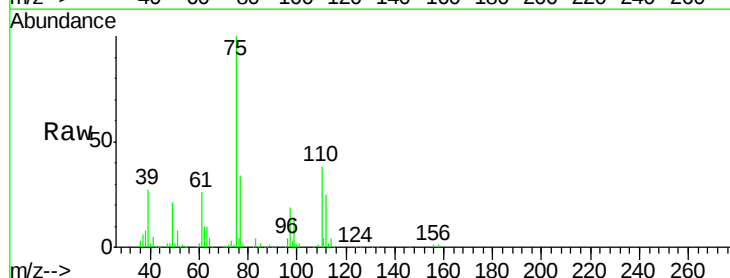
Acq: 25 Jun 2018 11:03

Tgt Ion: 75 Resp: 237354

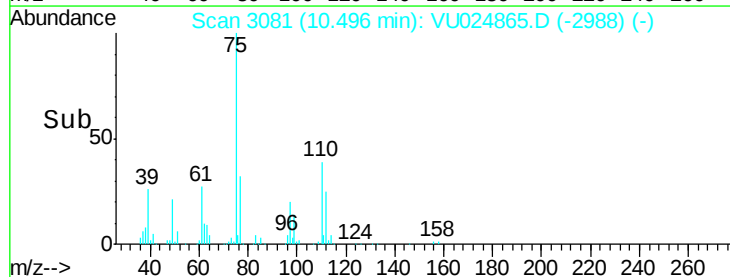
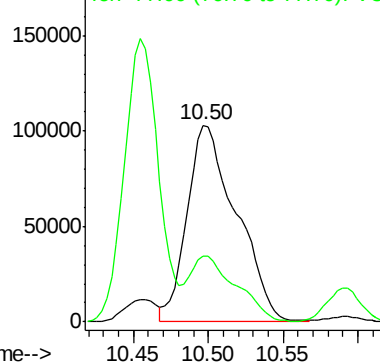
Ion Ratio Lower Upper

75 100

77 30.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024865.D (-2988) (-)





#77

Bromobenzene

Concen: 49.73 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

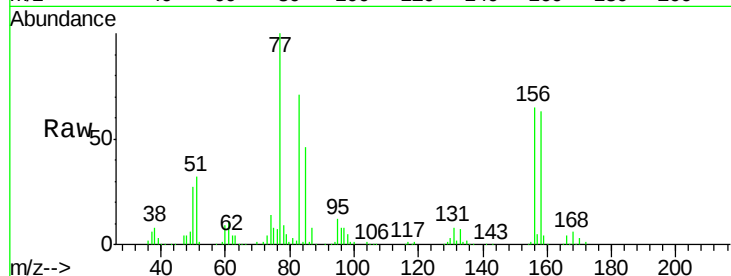
Tot Ion:156 Resp: 153982

Ion Ratio Lower Upper

156 100

77 152.6 80.5 241.3

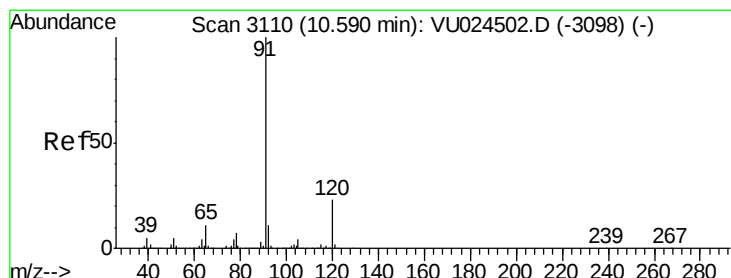
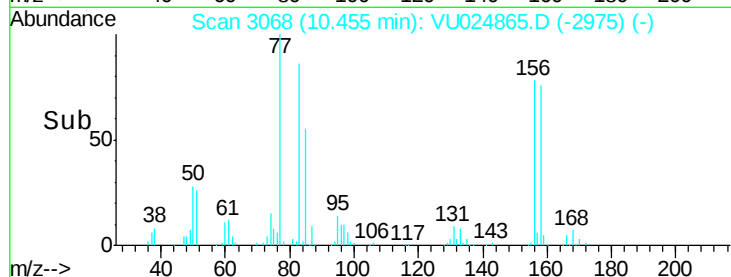
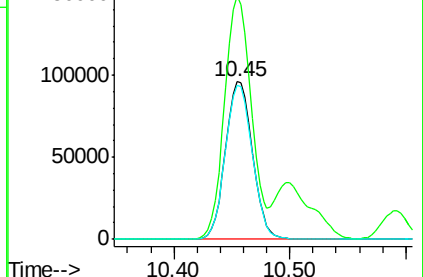
158 97.9 48.2 144.6



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: 48.07 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024865.D

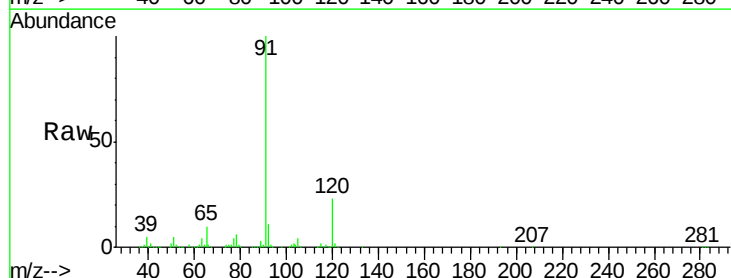
Acq: 25 Jun 2018 11:03

Tgt Ion: 91 Resp: 692454

Ion Ratio Lower Upper

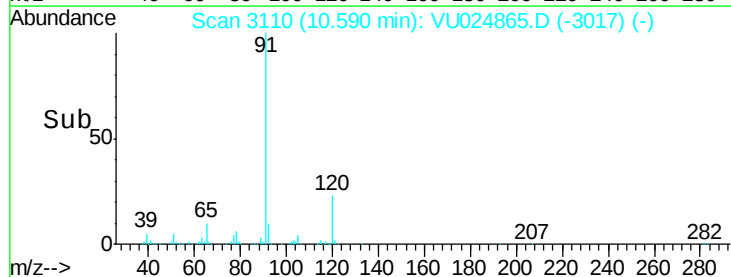
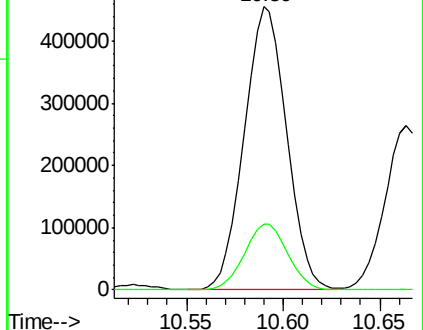
91 100

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: 48.42 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

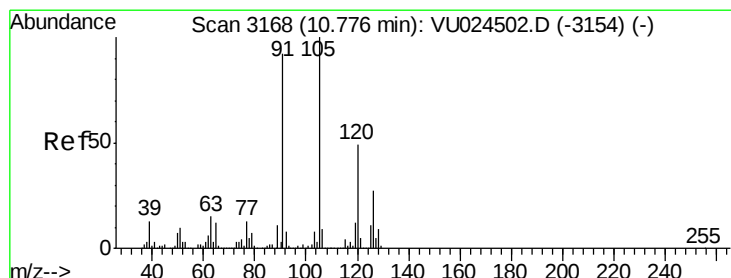
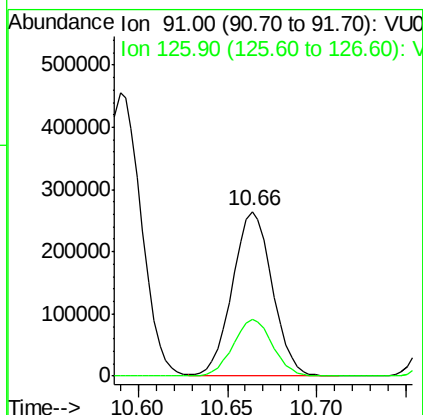
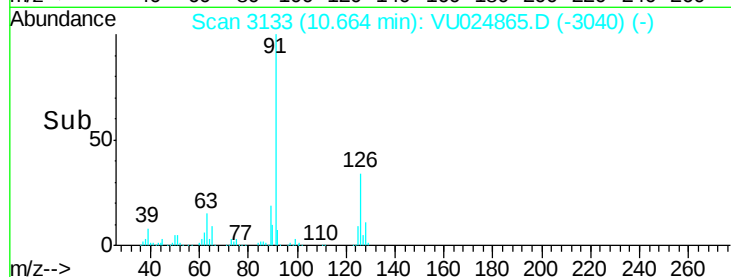
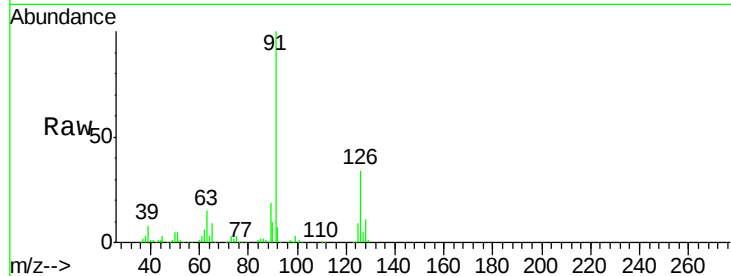
ClientSampleId :

Tot Ion: 91 Resp: 411346

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 48.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024865.D

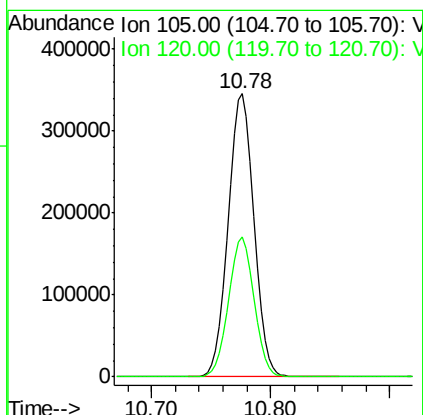
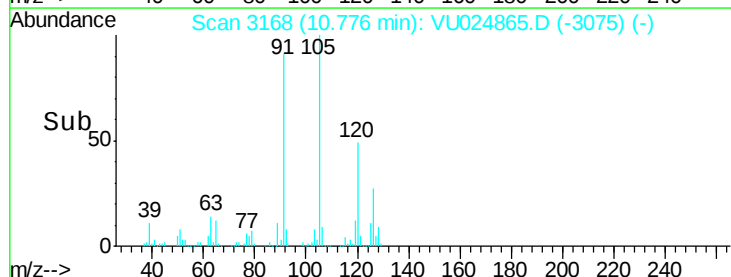
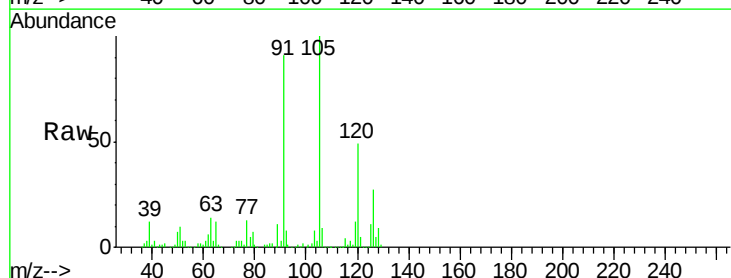
Acq: 25 Jun 2018 11:03

Tgt Ion: 105 Resp: 518442

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 156.64 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

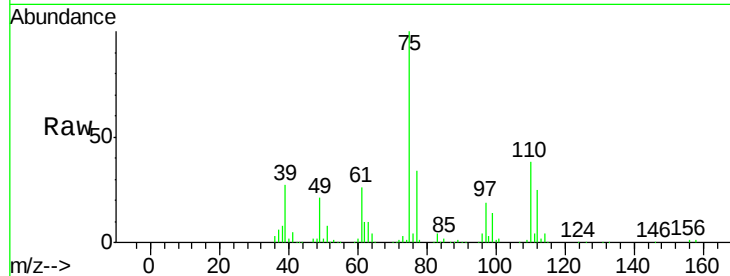
Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 237354

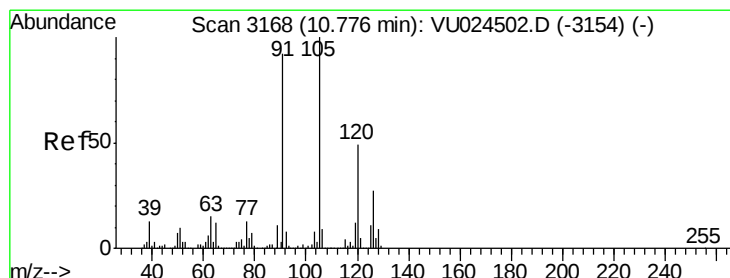
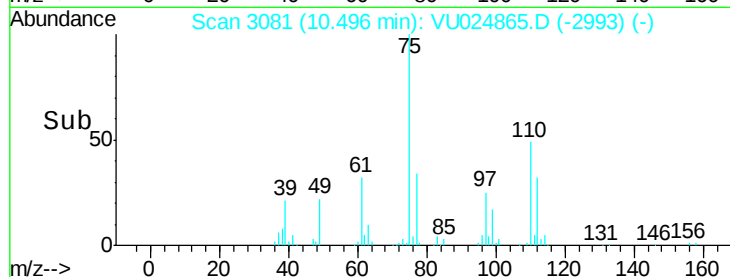
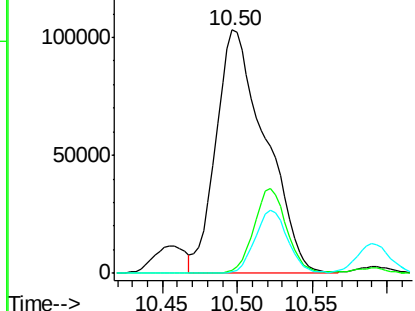
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 48.63 ug/l

RT: 10.78 min Scan# 3168

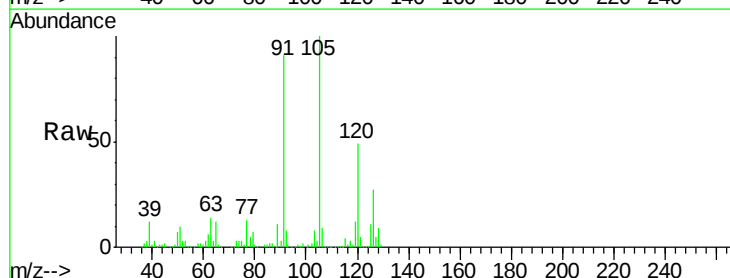
Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

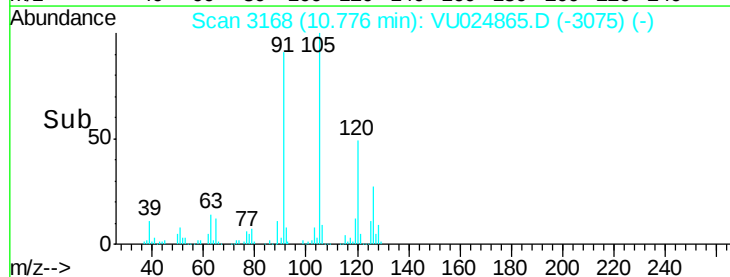
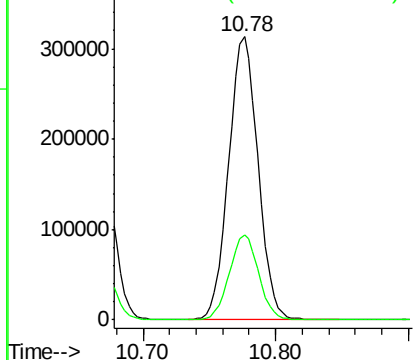
Tgt Ion: 91 Resp: 480813

Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

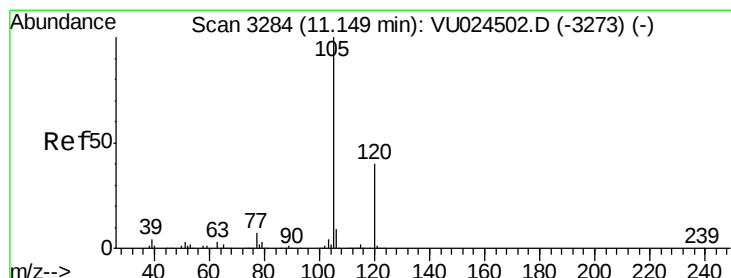
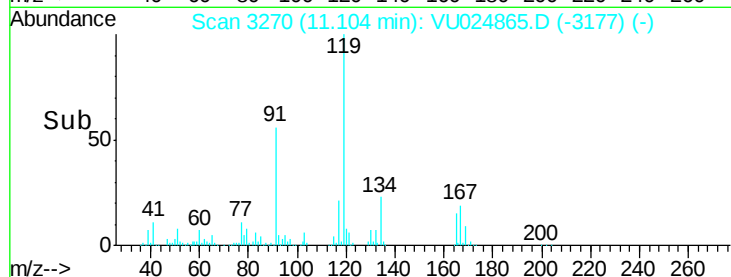
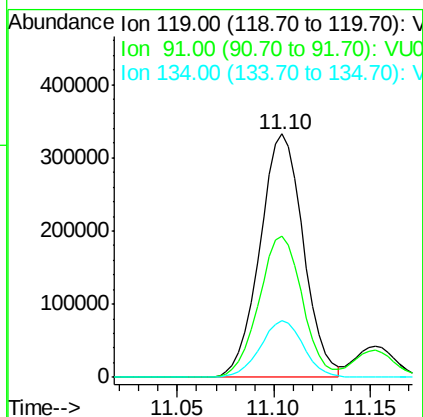
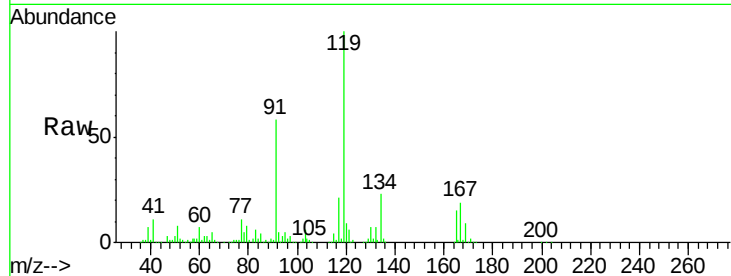




#83
tert-Butylbenzene
Concen: 51.10 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

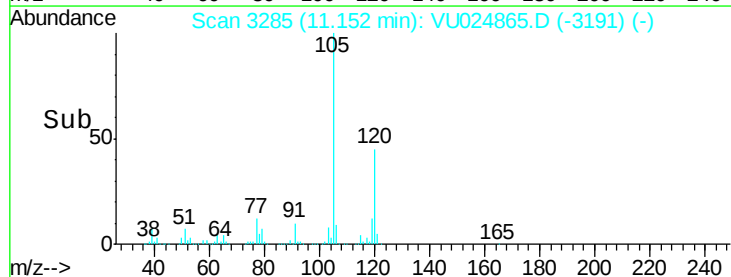
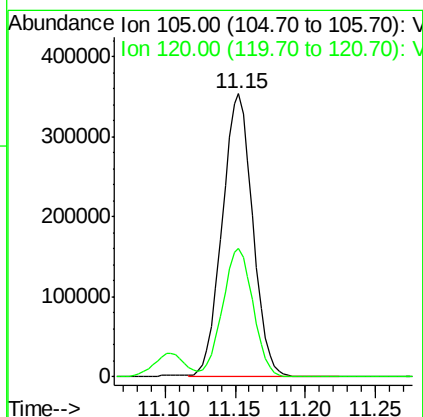
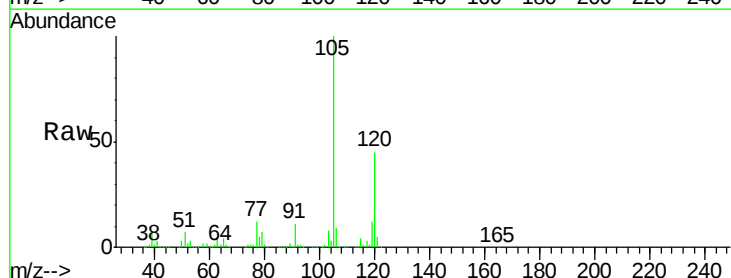
Instrument :
MSVOA_U
ClientSampled :

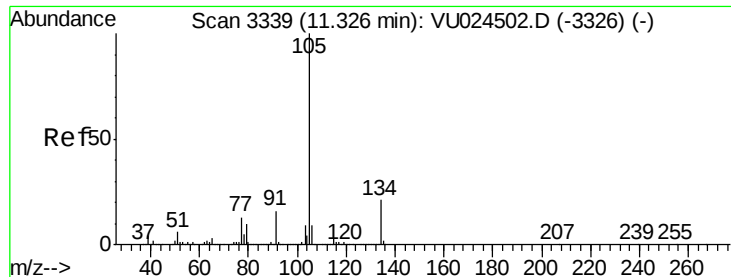
Tot Ion:119 Resp: 521028
Ion Ratio Lower Upper
119 100
91 58.1 29.7 89.1
134 23.0 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 49.28 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion:105 Resp: 532312
Ion Ratio Lower Upper
105 100
120 45.6 22.6 67.8





#85

sec-Butylbenzene

Concen: 49.07 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

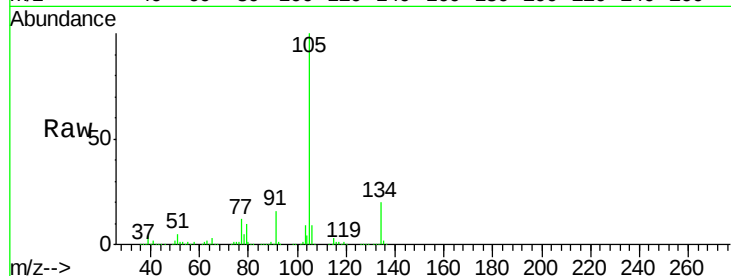
ClientSampleId :

Tot Ion:105 Resp: 626263

Ion Ratio Lower Upper

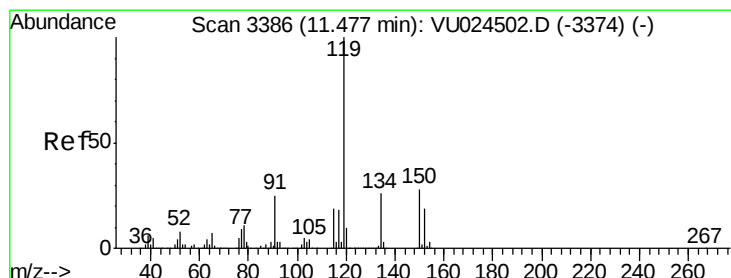
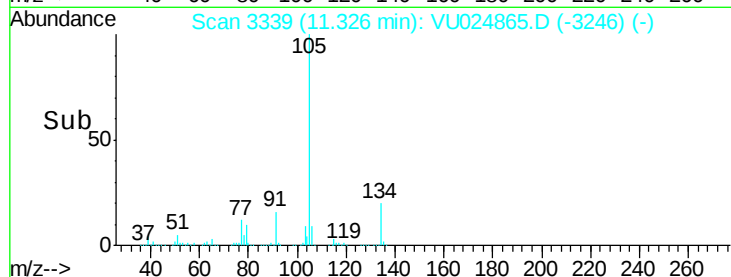
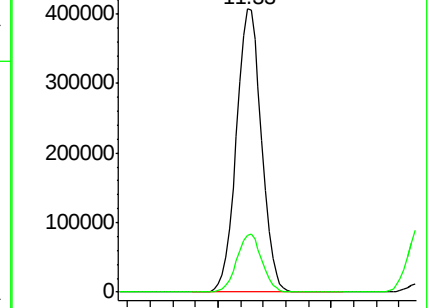
105 100

134 20.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.18 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

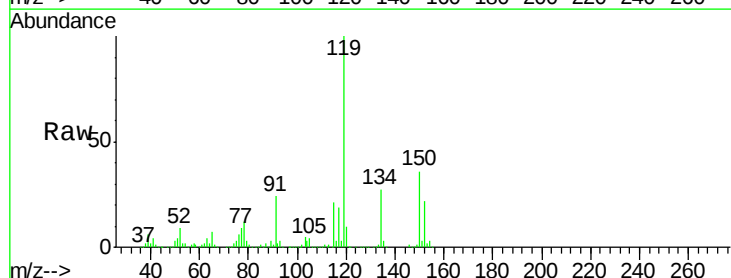
Tgt Ion:119 Resp: 562217

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

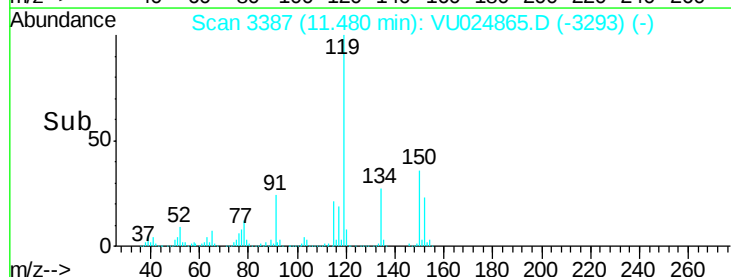
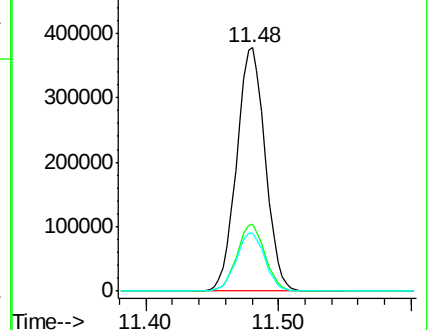
91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

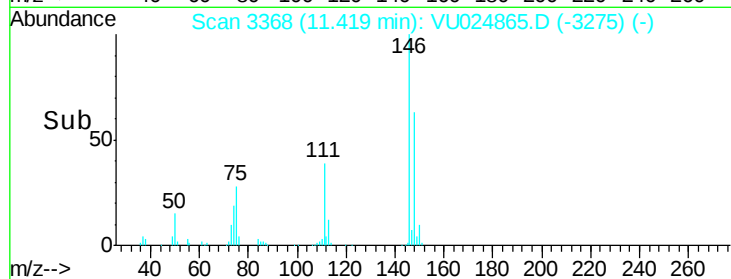
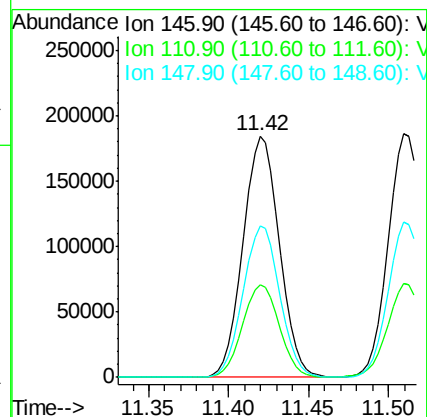
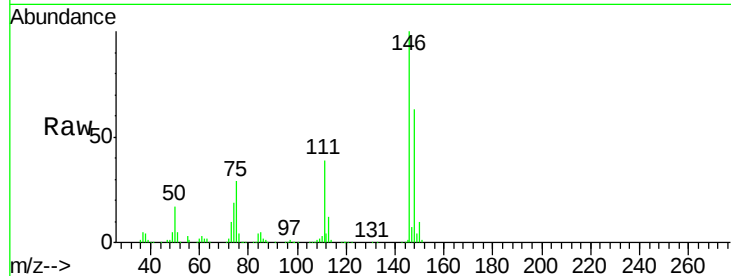




#87
 1,3-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

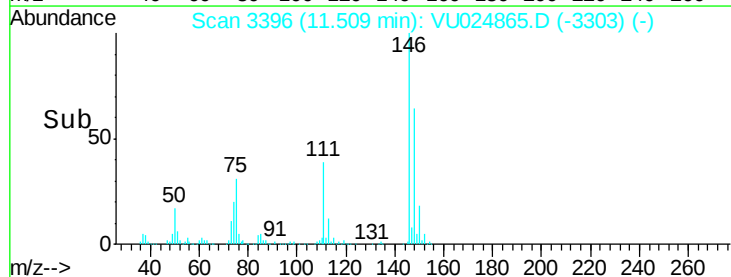
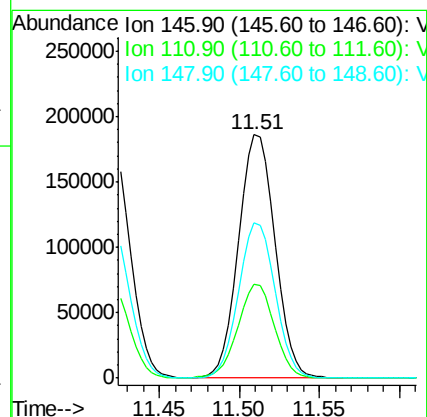
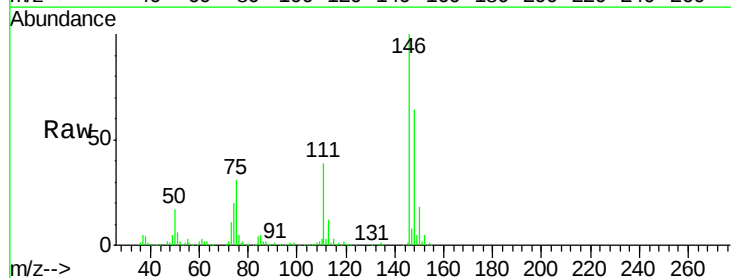
Instrument :
 MSVOA_U
 ClientSampleId :

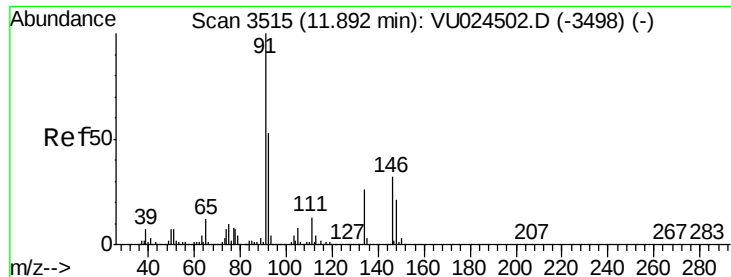
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	63.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.05 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 47.26 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampled :

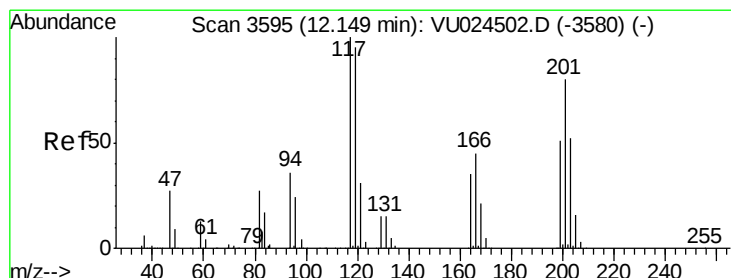
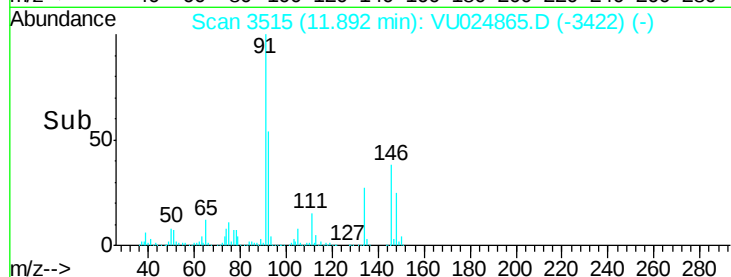
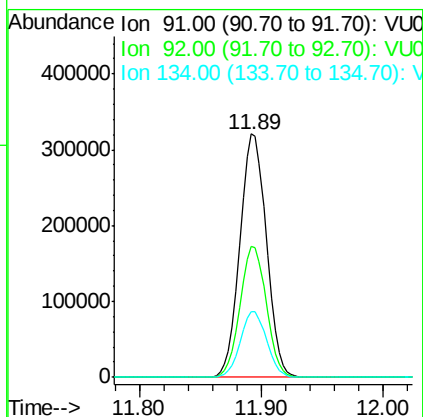
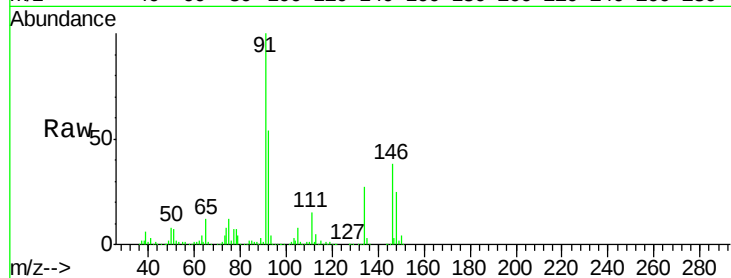
Tot Ion: 91 Resp: 479617

Ion Ratio Lower Upper

91 100

92 53.2 25.6 76.8

134 27.0 12.3 36.8



#90

Hexachloroethane

Concen: 45.69 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024865.D

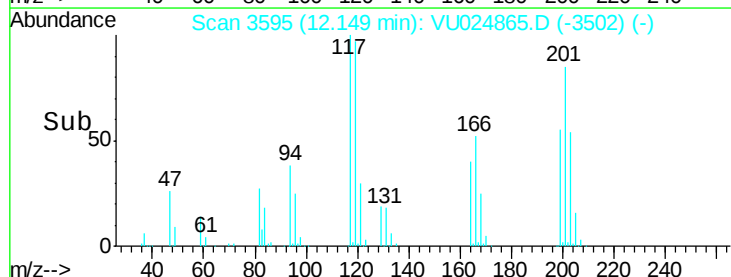
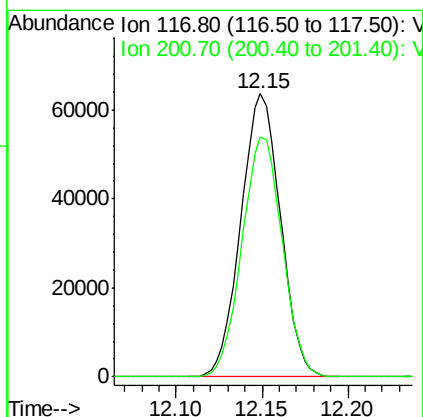
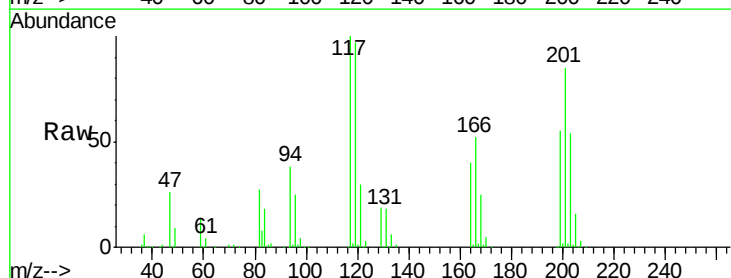
Acq: 25 Jun 2018 11:03

Tgt Ion: 117 Resp: 101886

Ion Ratio Lower Upper

117 100

201 85.8 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 51.43 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

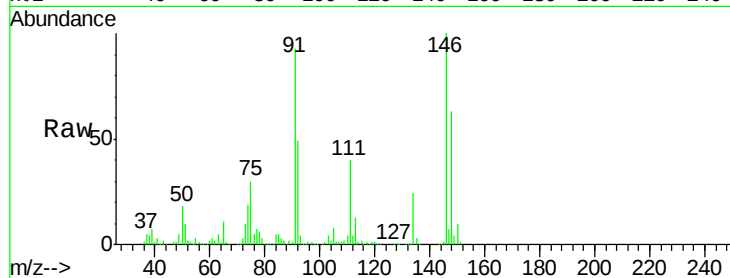
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 294647

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.0	31.9	95.7

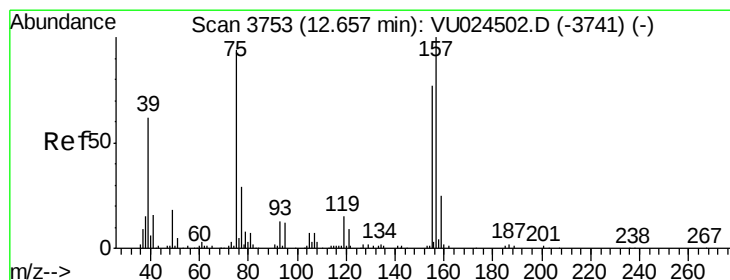
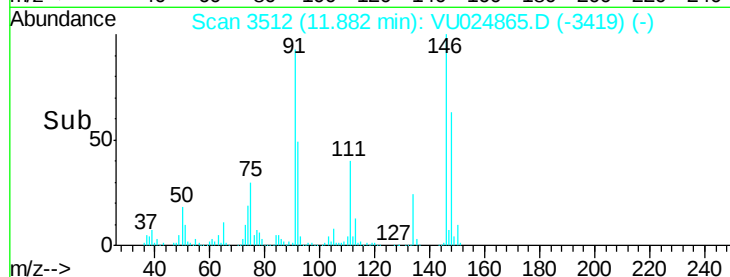
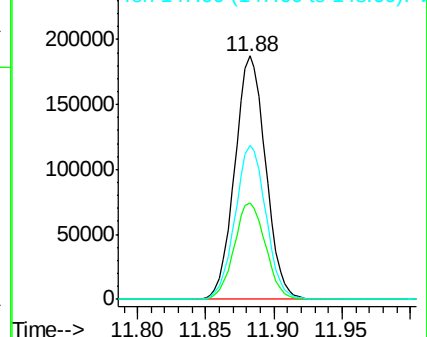


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.65 ug/l

RT: 12.66 min Scan# 3754

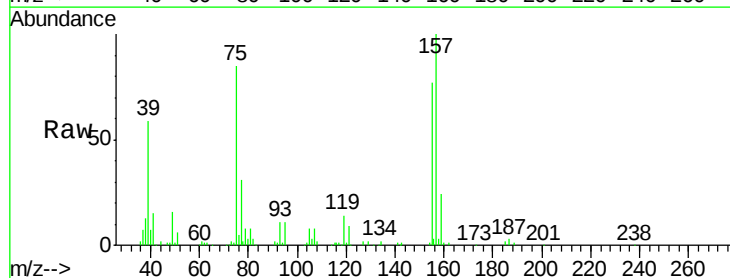
Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion: 75 Resp: 51620

Ion	Ratio	Lower	Upper
75	100		
155	89.5	40.4	121.2
157	113.6	52.3	156.8

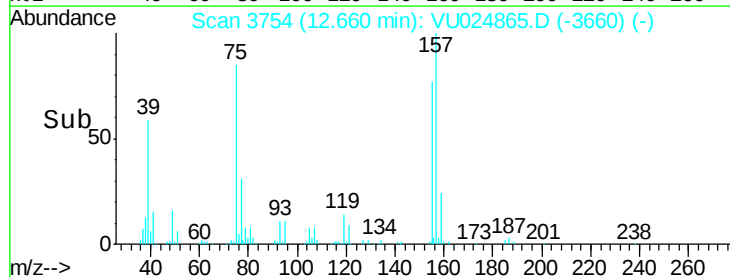
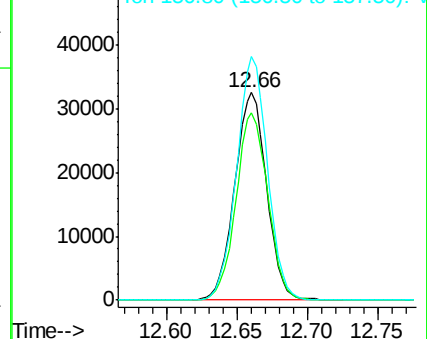


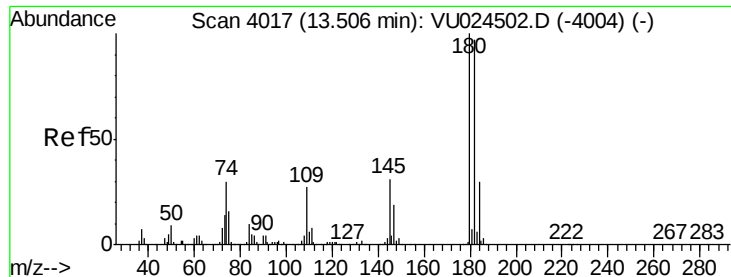
Abundance

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

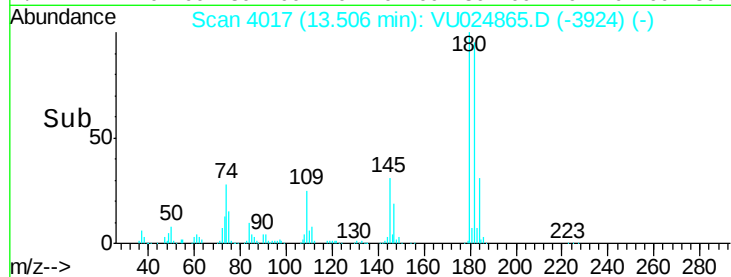
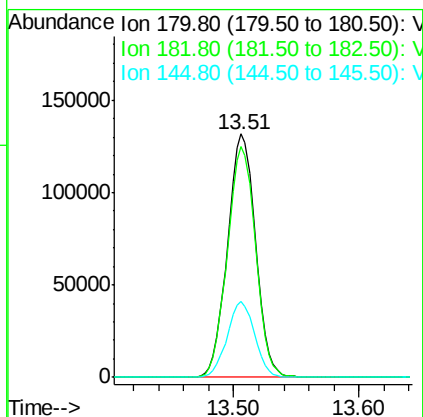
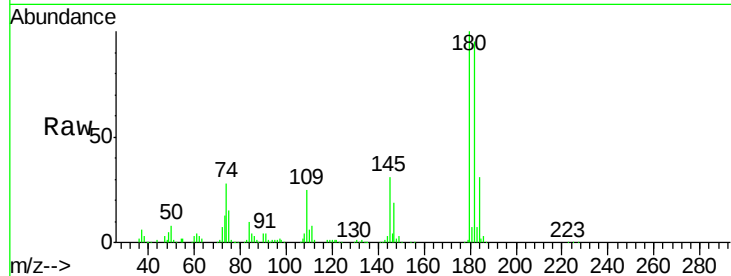




#93
 1,2,4-Trichlorobenzene
 Concen: 57.80 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

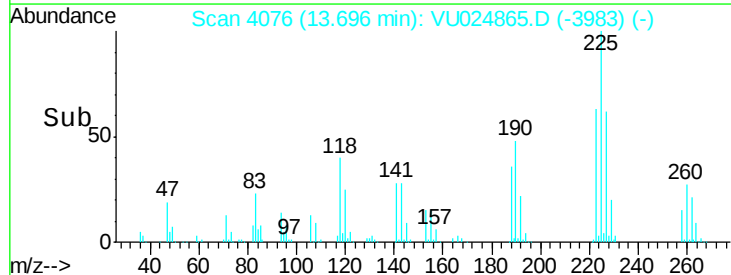
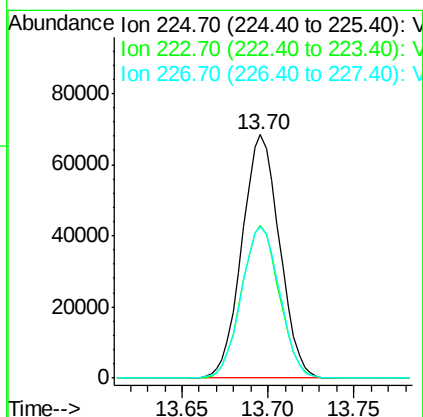
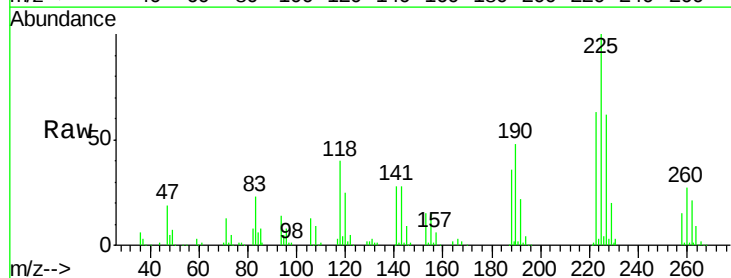
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 204486
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 30.5 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 51.99 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion:225 Resp: 103521
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 63.3 31.8 95.4





#95

Naphthalene

Concen: 55.46 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampled :

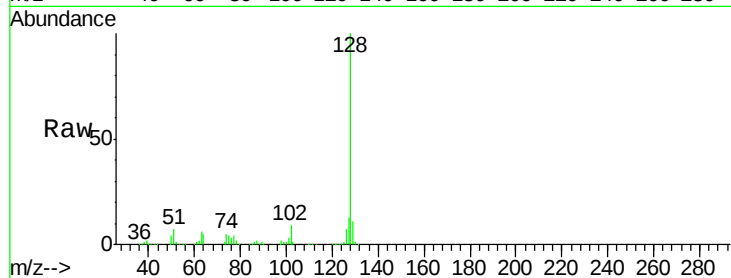
Tot Ion:128 Resp: 650452

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

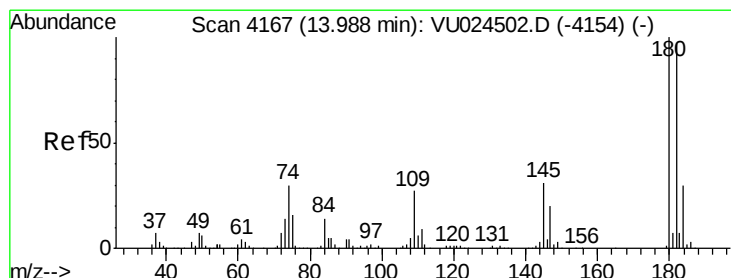
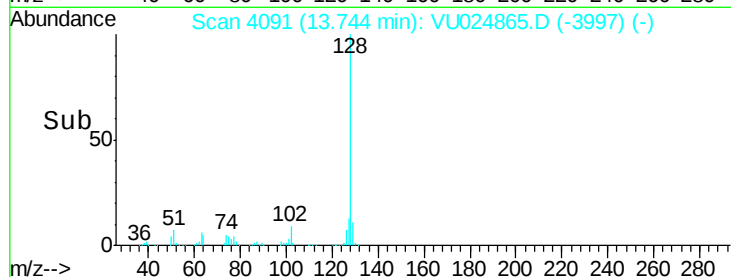
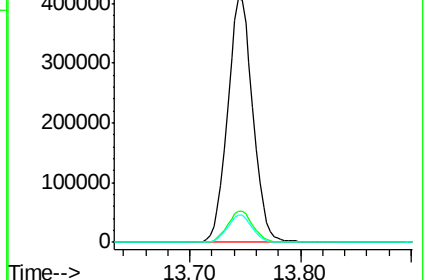
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.30 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

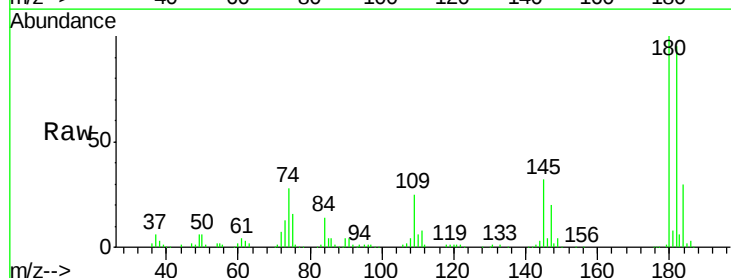
Tgt Ion:180 Resp: 212579

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 31.3 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

