

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025227.D
 Acq On : 05 Jul 2018 19:54
 Operator : MD/SY
 Sample : J3808-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:17:53 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	154401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243256	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	223352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	135204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	124999	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	4.89	113	105025	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	7.57	98	325920	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
62) 4-Bromofluorobenzene	10.31	95	143917	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85145	44.06	ug/l	99
3) Chloromethane	1.33	50	101190	51.25	ug/l	99
4) Vinyl Chloride	1.40	62	103013	50.59	ug/l	98
5) Bromomethane	1.62	94	59764	60.71	ug/l	100
6) Chloroethane	1.69	64	65003	57.28	ug/l	97
7) Trichlorofluoromethane	1.89	101	162276	52.22	ug/l	100
8) Diethyl Ether	2.10	74	65198	62.11	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	97743	50.70	ug/l	97
10) Methyl Iodide	2.41	142	110652	65.94	ug/l	98
11) Tert butyl alcohol	2.82	59	175783	286.74	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91749	52.19	ug/l	97
13) Acrolein	2.19	56	97791	303.77	ug/l	98
14) Allyl chloride	2.59	41	155968	47.78	ug/l	99
15) Acrylonitrile	2.93	53	344619	288.93	ug/l	99
16) Acetone	2.32	43	336577	248.52	ug/l	96
17) Carbon Disulfide	2.48	76	249936	44.40	ug/l	100
18) Methyl Acetate	2.62	43	204558	70.45	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	379465	57.42	ug/l	95
20) Methylene Chloride	2.70	84	113386	53.36	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	104175	53.80	ug/l	97
22) Diisopropyl ether	3.57	45	362038	55.95	ug/l	99
23) Vinyl Acetate	3.53	43	1472686	254.06	ug/l	99
24) 1,1-Dichloroethane	3.45	63	206542	55.48	ug/l	100
25) 2-Butanone	4.26	43	514093	282.60	ug/l	96
26) 2,2-Dichloropropane	4.23	77	141614	40.06	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	140431	63.08	ug/l	97
28) Bromochloromethane	4.55	49	89222	54.41	ug/l	83
29) Tetrahydrofuran	4.64	42	324540	288.08	ug/l	97
30) Chloroform	4.68	83	219903	58.36	ug/l	99
31) Cyclohexane	5.00	56	171972	52.11	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	194465	55.81	ug/l	97
36) 1,1-Dichloropropene	5.14	75	149039	52.14	ug/l	96
37) Ethyl Acetate	4.38	43	176557	56.67	ug/l	97
38) Carbon Tetrachloride	5.14	117	174364	55.47	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	177303	49.70	ug/l	96
40) Benzene	5.39	78	448298	55.04	ug/l	100
41) Methacrylonitrile	4.54	41	104029	61.93	ug/l	99
42) 1,2-Dichloroethane	5.41	62	186964	60.27	ug/l	99
43) Isopropyl Acetate	5.55	43	288366	53.55	ug/l	99
44) Trichloroethene	6.19	130	141192	60.91	ug/l	93
45) 1,2-Dichloropropane	6.44	63	121734	56.01	ug/l	99
46) Dibromomethane	6.56	93	88576	58.02	ug/l	95
47) Bromodichloromethane	6.76	83	166827	54.88	ug/l	97
48) Methyl methacrylate	6.63	41	153840	58.67	ug/l	98
49) 1,4-Dioxane	6.61	88	67005	1306.58	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	983329	290.64	ug/l	98
52) Toluene	7.64	92	288471	55.05	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	176139	51.60	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	184994	50.86	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	123027	57.76	ug/l	97
56) Ethyl methacrylate	8.02	69	192963	54.12	ug/l	100
57) 1,3-Dichloropropane	8.25	76	206145	57.37	ug/l	99
59) 2-Hexanone	8.36	43	781213	282.83	ug/l	99
60) Dibromochloromethane	8.48	129	139671	52.58	ug/l	100
61) 1,2-Dibromoethane	8.59	107	134905	56.90	ug/l	99
64) Tetrachloroethene	8.23	164	104885	49.40	ug/l	99
65) Chlorobenzene	9.12	112	350287	61.39	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	126584	58.39	ug/l	97
67) Ethyl Benzene	9.25	91	562928	56.28	ug/l	97
68) m/p-Xylenes	9.38	106	442421	115.18	ug/l	96
69) o-Xylene	9.78	106	221383	58.24	ug/l	95
70) Styrene	9.80	104	347841	55.68	ug/l	99
71) Bromoform	9.96	173	109331	53.06	ug/l #	99
73) Isopropylbenzene	10.17	105	601720	57.97	ug/l	99
74) N-amyl acetate	10.01	43	255439	51.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	209654	60.27	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	239294	80.39	ug/l	85
77) Bromobenzene	10.45	156	154175	58.67	ug/l	94
78) n-propylbenzene	10.59	91	679704	55.59	ug/l	97
79) 2-Chlorotoluene	10.66	91	404216	56.06	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	499131	55.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	239294	186.05	ug/l #	100
82) 4-Chlorotoluene	10.78	91	457945	54.56	ug/l	98
83) tert-Butylbenzene	11.10	119	569758	65.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	514720	56.14	ug/l	100
85) sec-Butylbenzene	11.33	105	692709	63.94	ug/l	96
86) p-Isopropyltoluene	11.48	119	527933	54.41	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	272609	56.15	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	273829	56.04	ug/l	99
89) n-Butylbenzene	11.89	91	443605	51.50	ug/l	97
90) Hexachloroethane	12.15	117	95392	50.40	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	283738	58.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56026	58.37	ug/l	95
93) 1,2,4-Trichlorobenzene	13.51	180	178178	59.33	ug/l	99

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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)
94) Hexachlorobutadiene	13.70	225	95064	56.24	ug/l	100
95) Naphthalene	13.74	128	629531	63.14	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192947	64.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

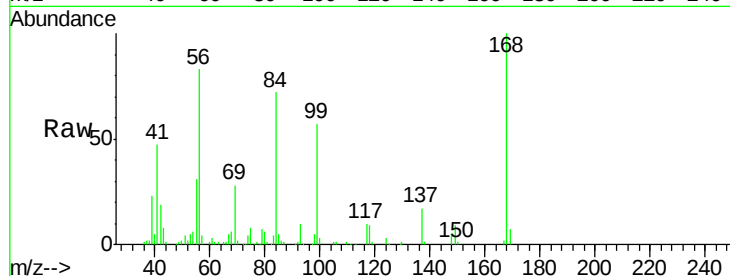
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 154401

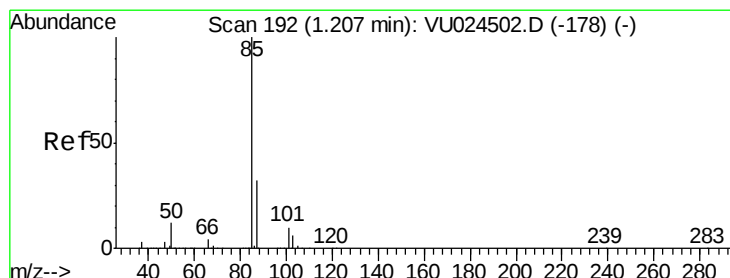
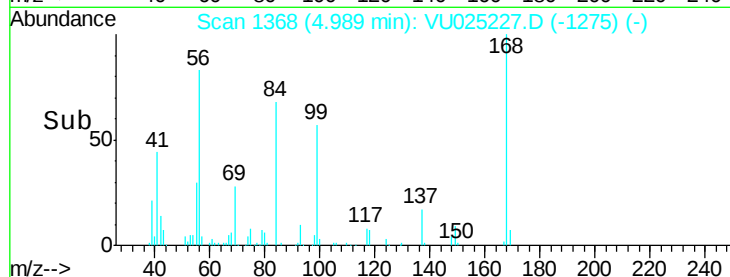
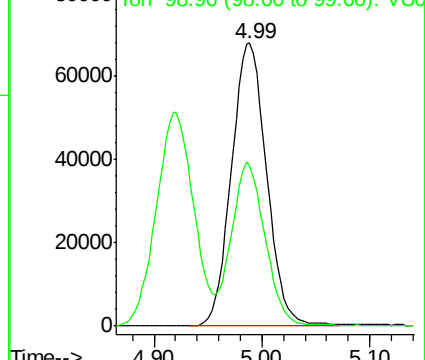
Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 44.06 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025227.D

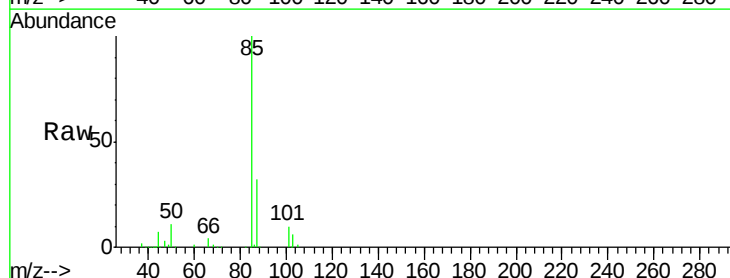
Acq: 05 Jul 2018 19:54

Tgt Ion: 85 Resp: 85145

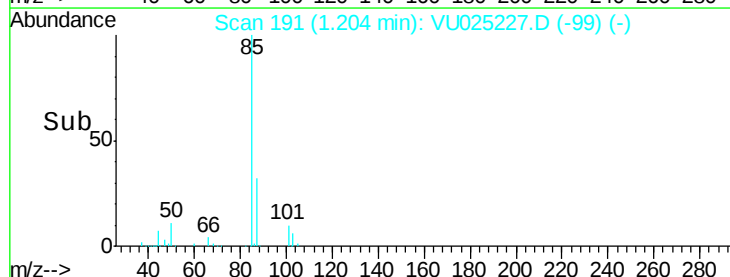
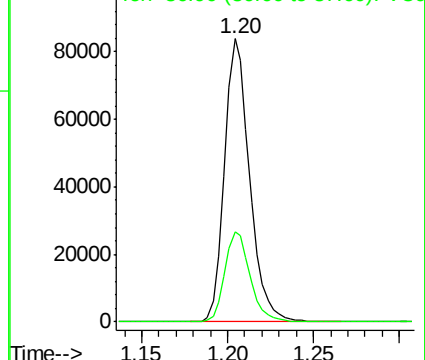
Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



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





#3

Chloromethane

Concen: 51.25 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

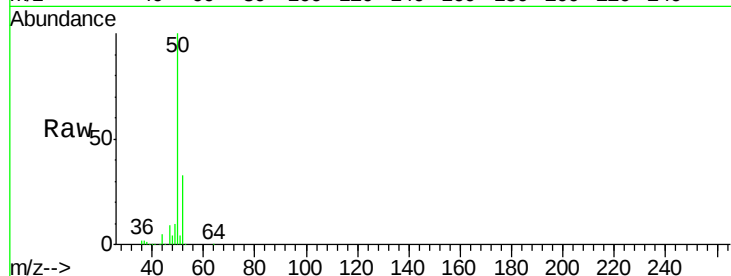
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 101190

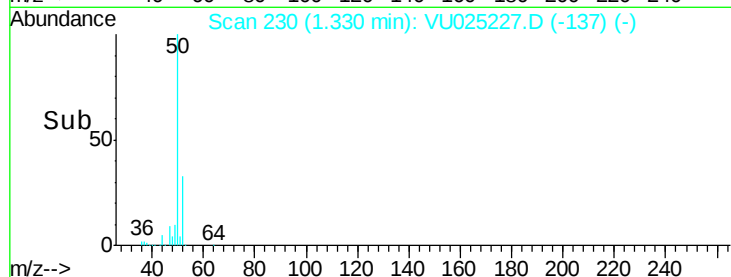
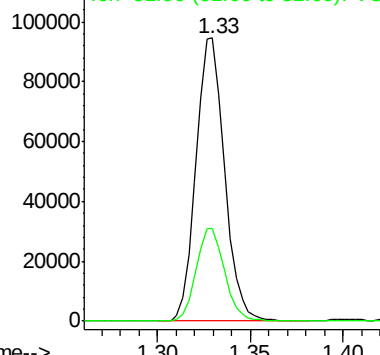
Ion Ratio Lower Upper

50 100

52 32.7 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: 50.59 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025227.D

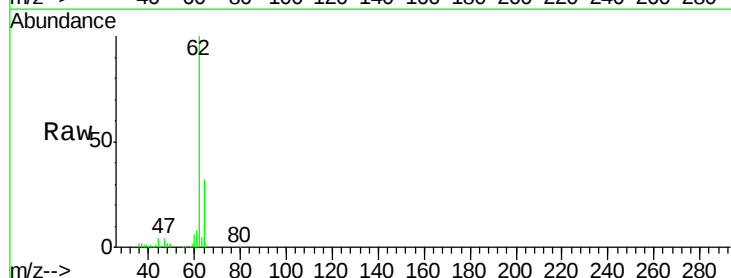
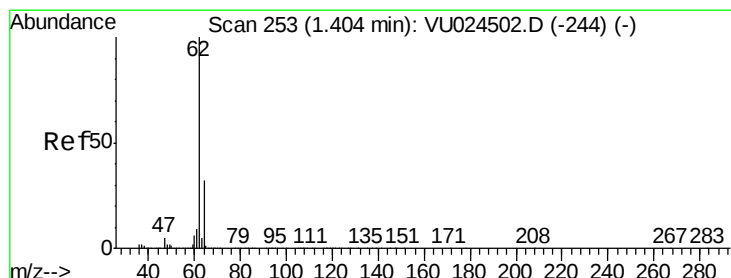
Acq: 05 Jul 2018 19:54

Tgt Ion: 62 Resp: 103013

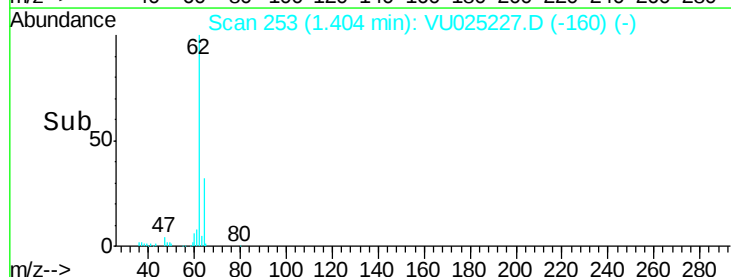
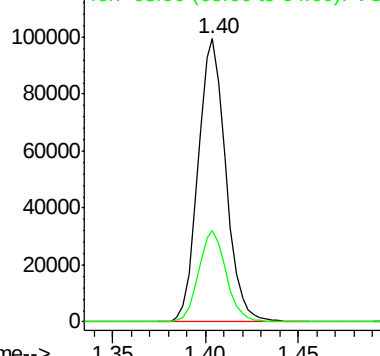
Ion Ratio Lower Upper

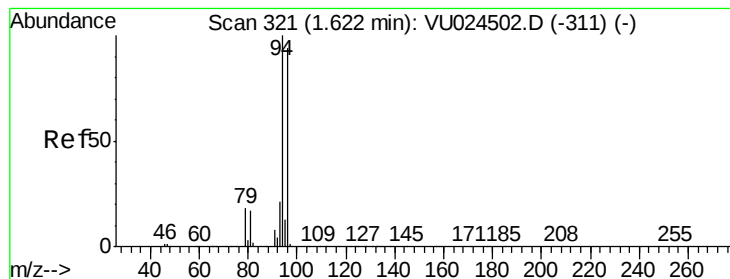
62 100

64 32.2 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: 60.71 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

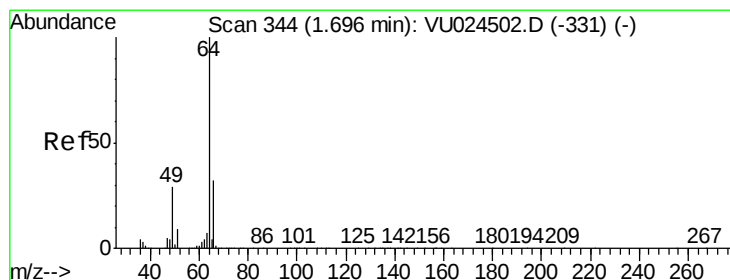
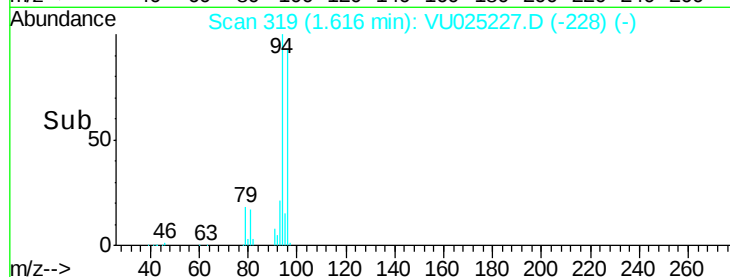
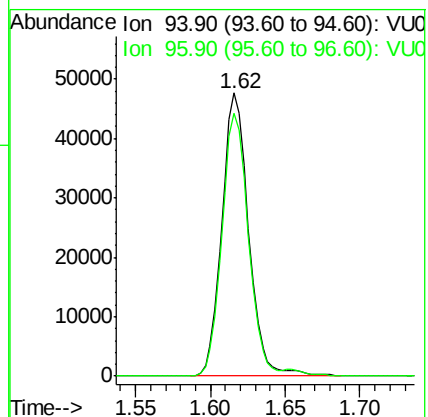
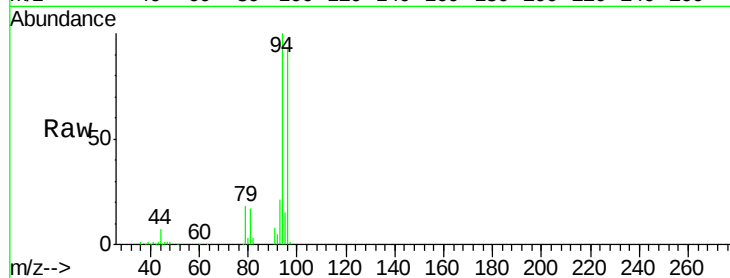
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 59764

Ion Ratio Lower Upper

94 100

96 93.1 74.5 111.7



#6

Chloroethane

Concen: 57.28 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025227.D

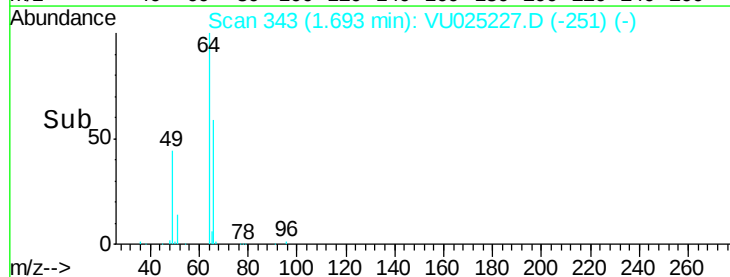
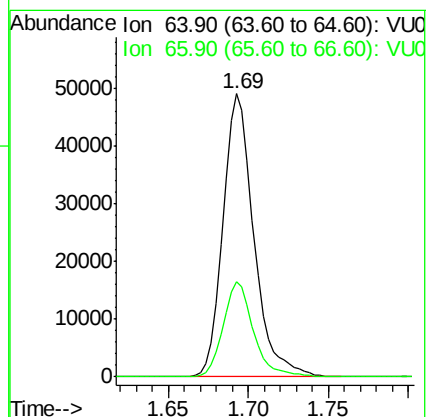
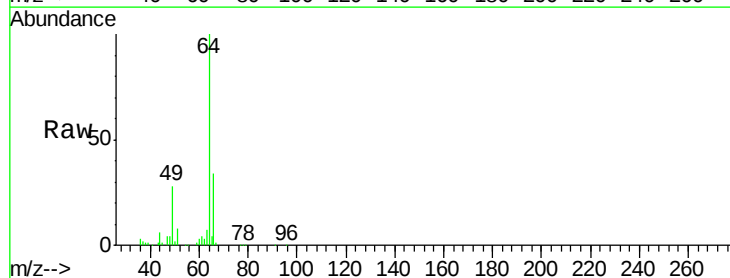
Acq: 05 Jul 2018 19:54

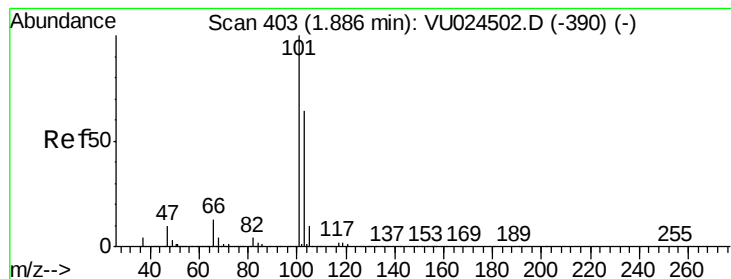
Tgt Ion: 64 Resp: 65003

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



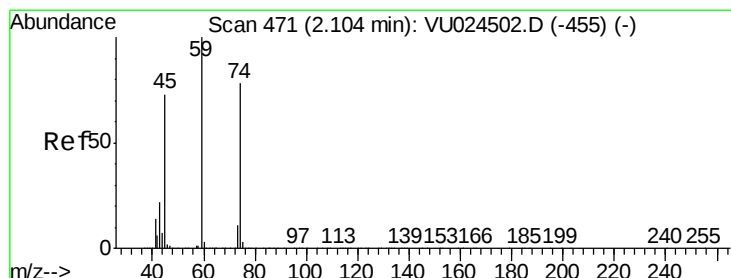
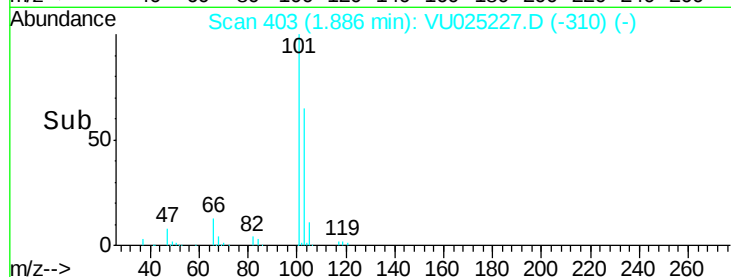
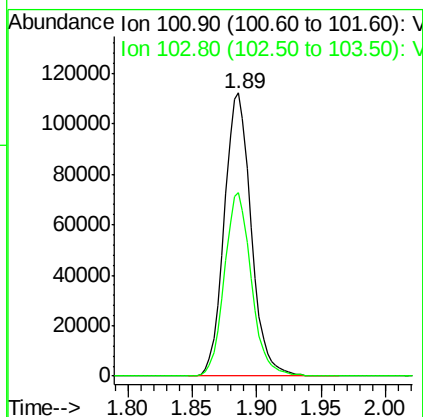
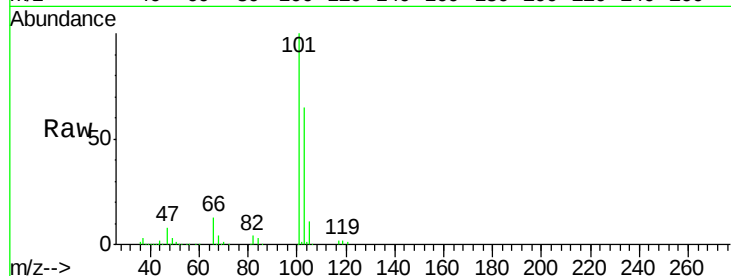


#7

Trichlorofluoromethane
Concen: 52.22 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

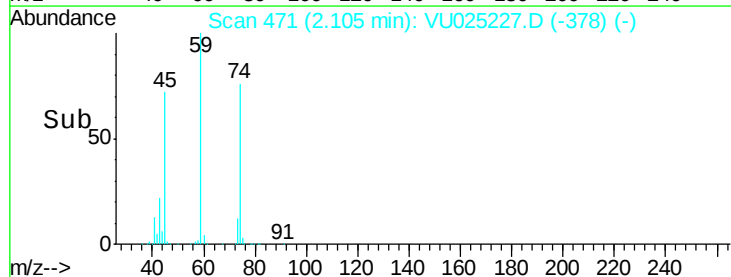
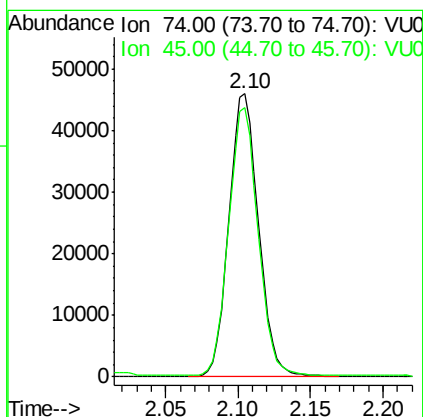
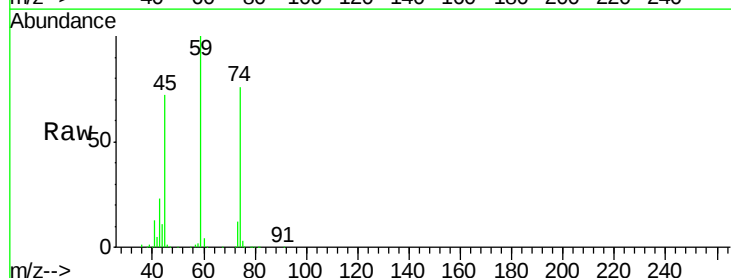
Tot Ion:101 Resp: 162276
Ion Ratio Lower Upper
101 100
103 65.0 52.3 78.5



#8

Diethyl Ether
Concen: 62.11 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 74 Resp: 65198
Ion Ratio Lower Upper
74 100
45 94.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.70 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

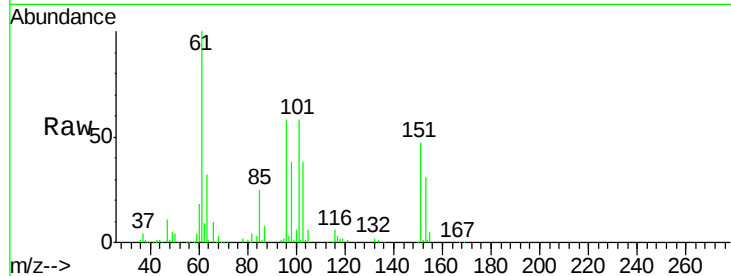
Tot Ion:101 Resp: 97743

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

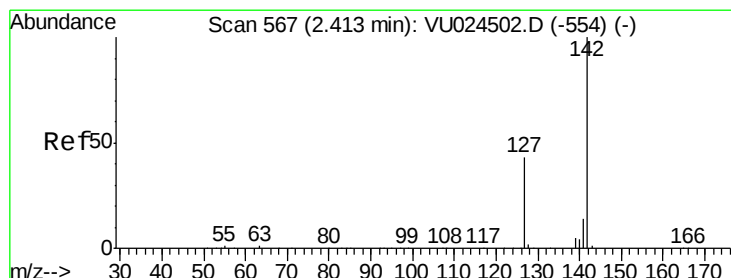
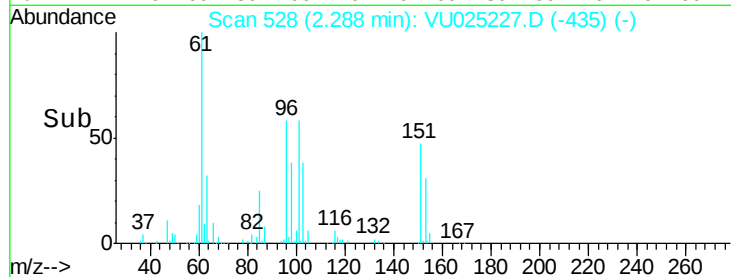
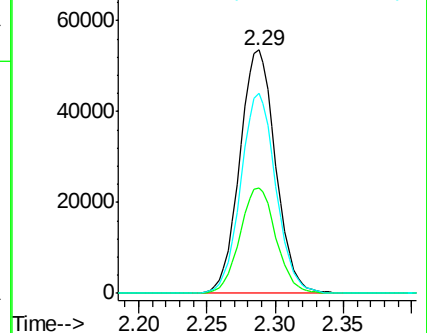
151 80.5 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 65.94 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

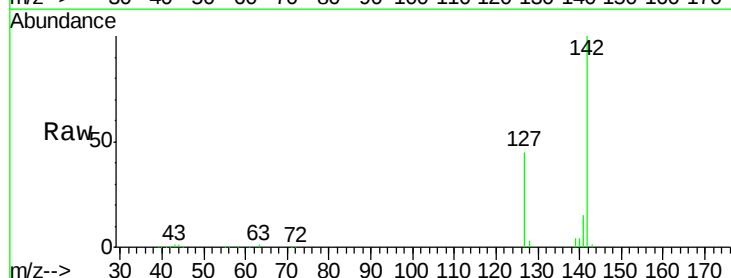
Tgt Ion:142 Resp: 110652

Ion Ratio Lower Upper

142 100

127 46.0 35.6 53.4

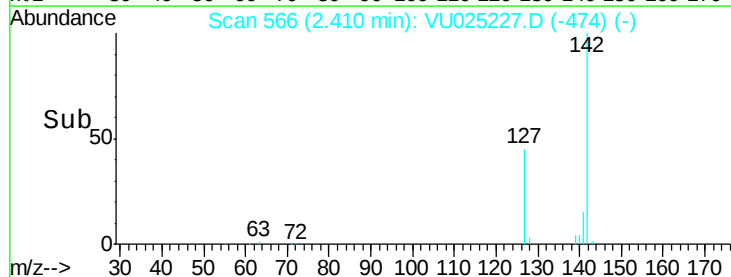
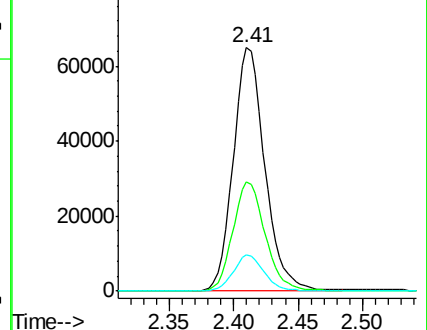
141 14.5 11.7 17.5



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

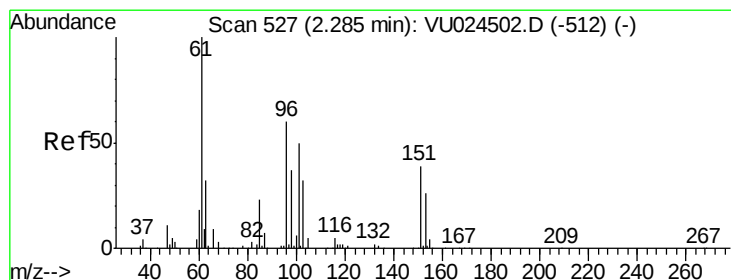
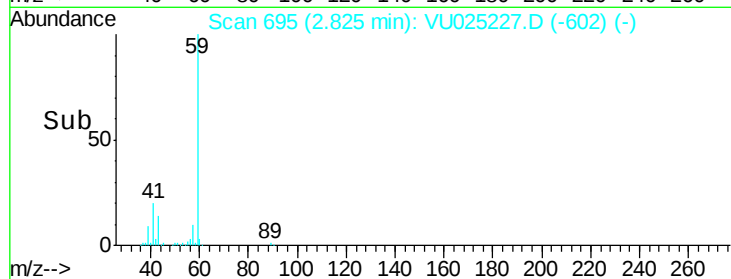
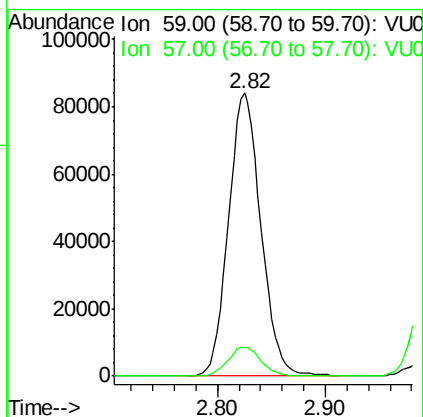
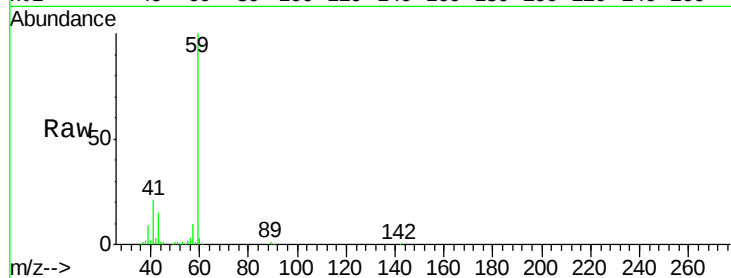




#11
Tert butyl alcohol
Concen: 286.74 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

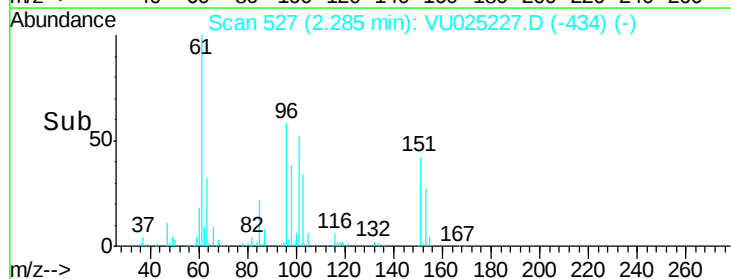
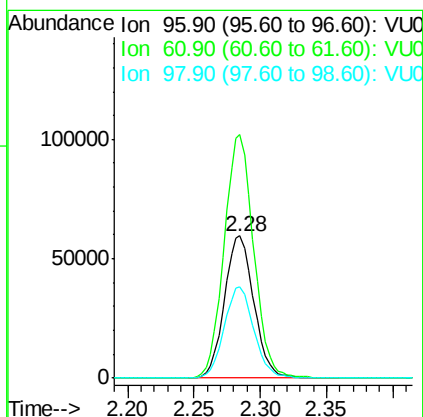
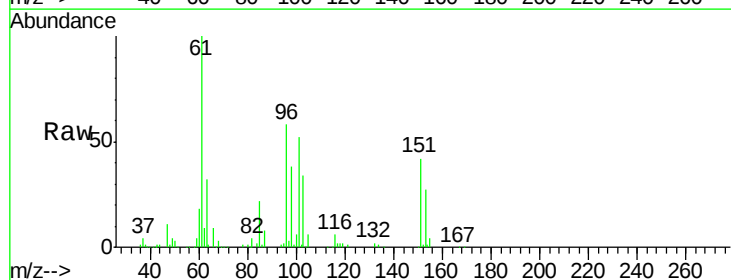
Instrument :
MSVOA_U
ClientSampled :

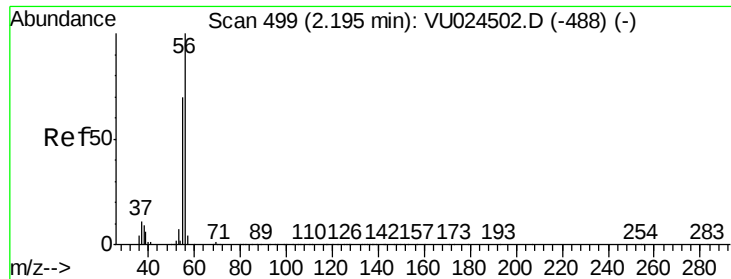
Tot Ion: 59 Resp: 175783
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 52.19 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 96 Resp: 91749
Ion Ratio Lower Upper
96 100
61 171.6 141.7 212.5
98 64.5 51.6 77.4





#13

Acrolein

Concen: 303.77 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

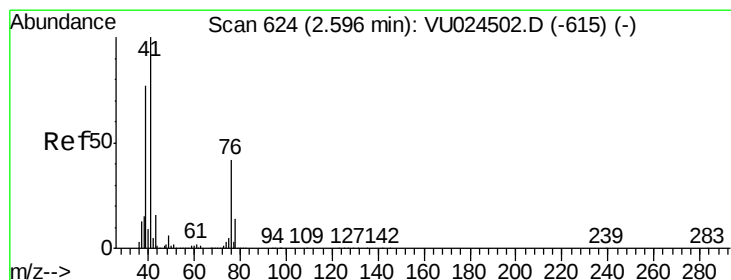
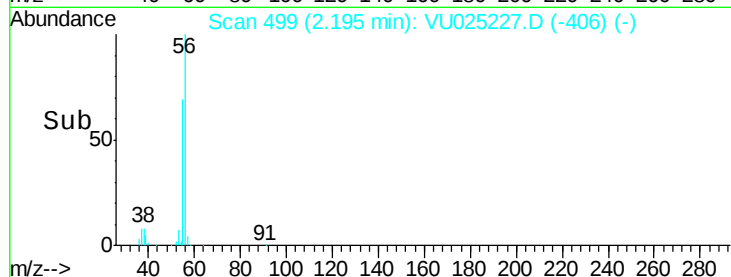
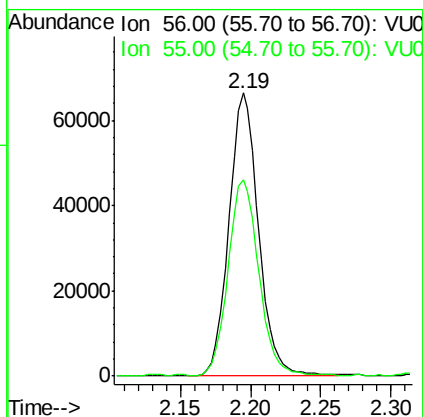
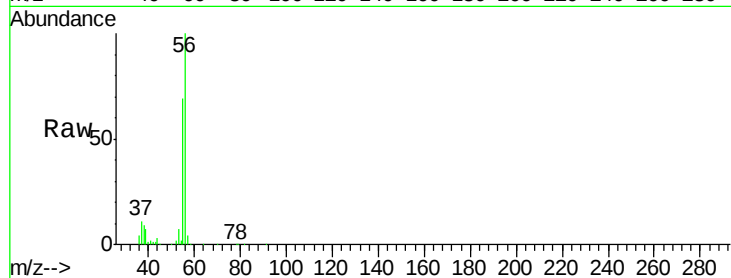
ClientSampled :

Tot Ion: 56 Resp: 97791

Ion Ratio Lower Upper

56 100

55 71.0 58.4 87.6



#14

Allyl chloride

Concen: 47.78 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

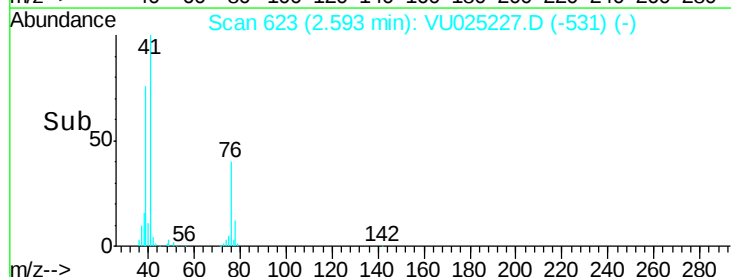
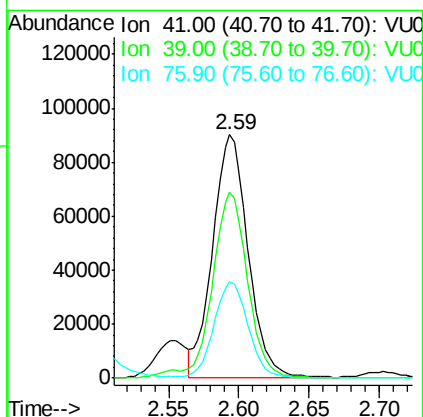
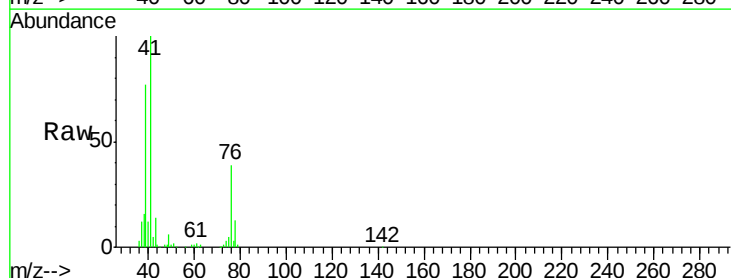
Tgt Ion: 41 Resp: 155968

Ion Ratio Lower Upper

41 100

39 77.3 61.6 92.4

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 288.93 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

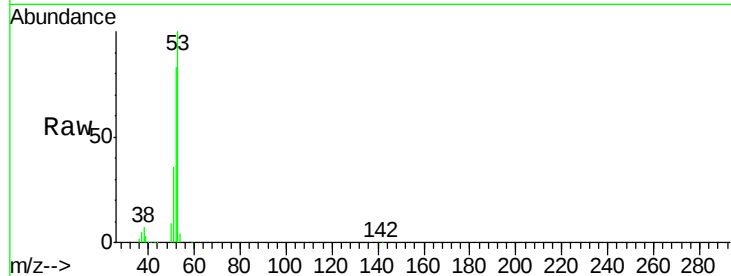
Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 53 Resp: 344619

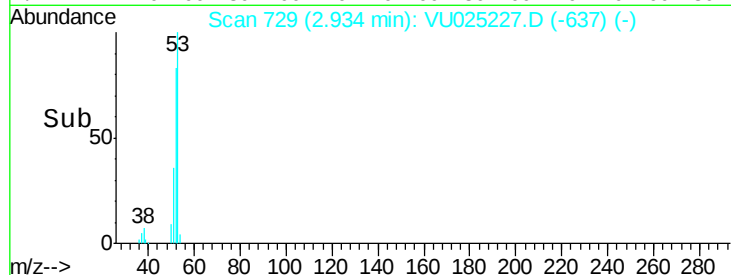
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	36.5	28.4	42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

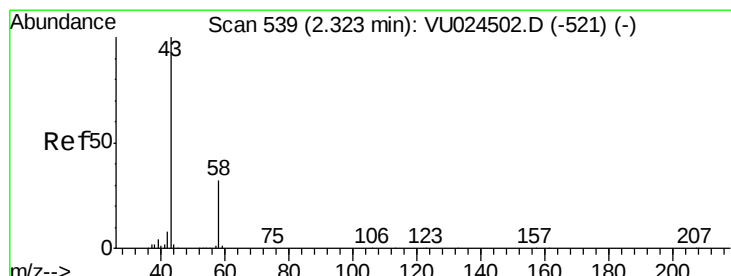
Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)



Abundance Ion 53.00 (52.70 to 53.70): VU025227.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU025227.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU025227.D (-637) (-)



#16

Acetone

Concen: 248.52 ug/l

RT: 2.32 min Scan# 538

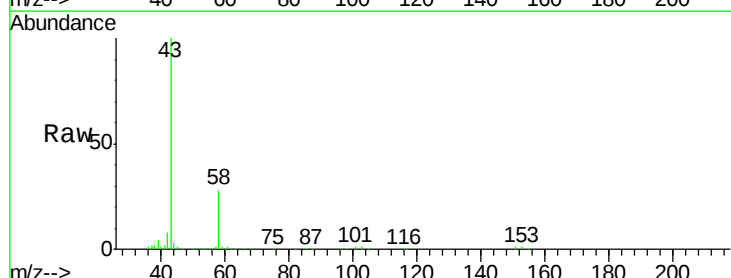
Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

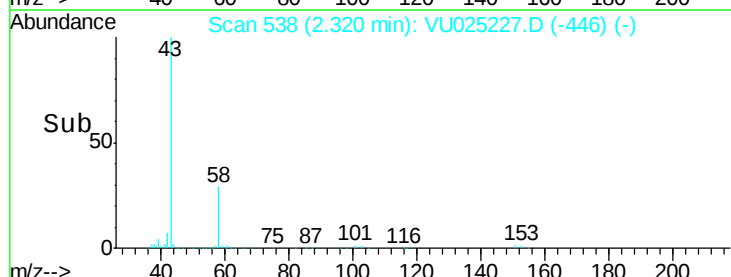
Tgt Ion: 43 Resp: 336577

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.4	36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)



Abundance Ion 43.00 (42.70 to 43.70): VU025227.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025227.D (-446) (-)



#17

Carbon Disulfide

Concen: 44.40 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

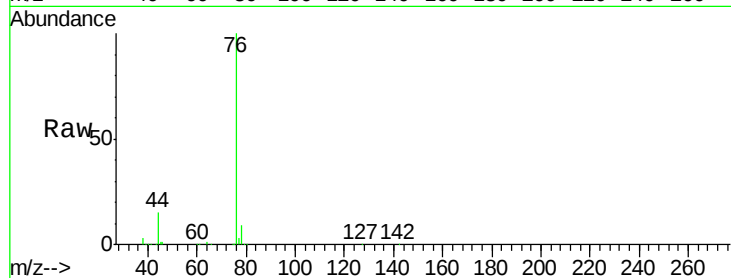
ClientSampleId :

Tot Ion: 76 Resp: 249936

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU025227.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU025227.D (-574) (-)

2.48

150000

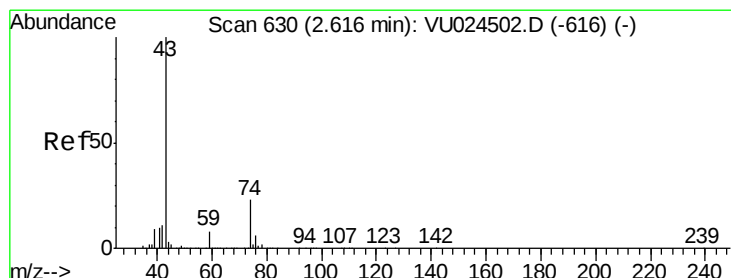
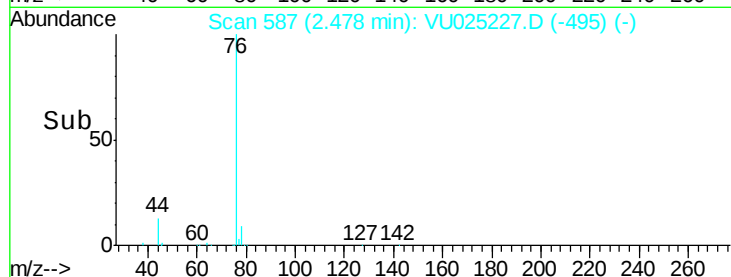
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 70.45 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025227.D

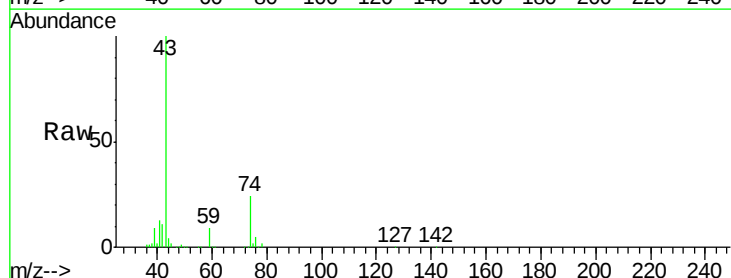
Acq: 05 Jul 2018 19:54

Tgt Ion: 43 Resp: 204558

Ion Ratio Lower Upper

43 100

74 24.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU025227.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025227.D (-537) (-)

2.62

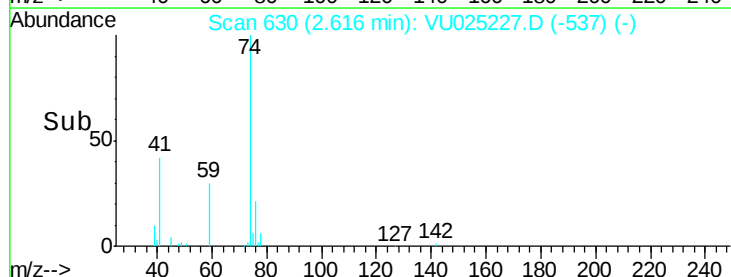
100000

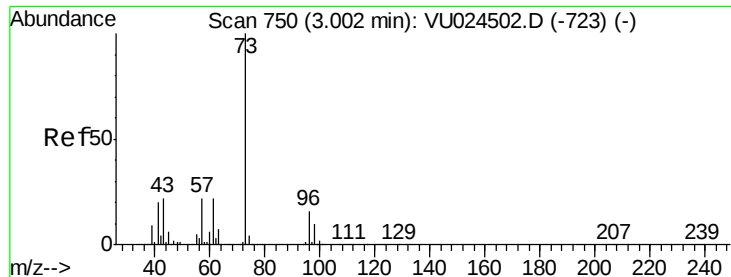
50000

0

2.55 2.60 2.65 2.70

Time-->



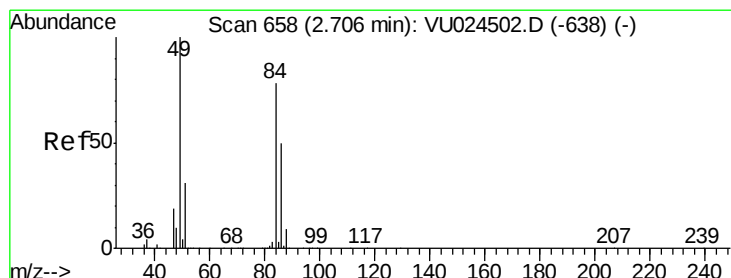
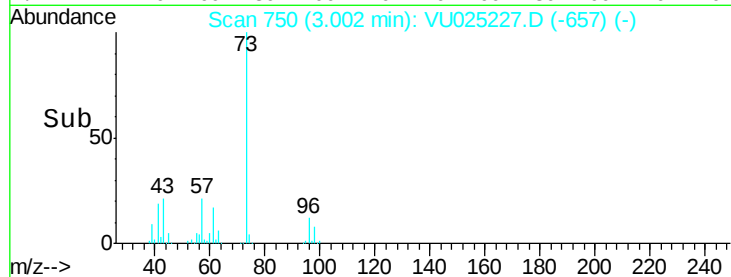
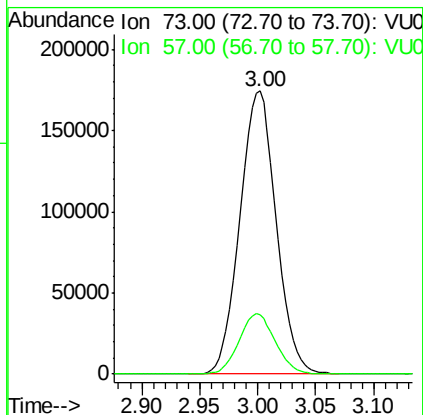
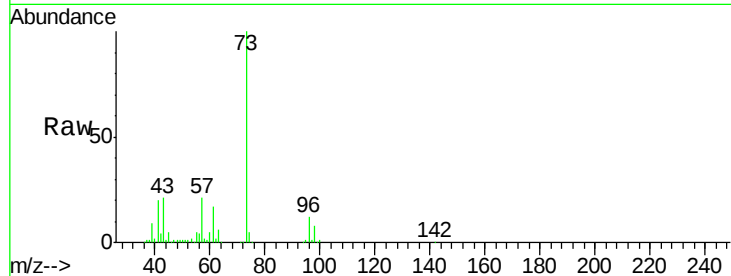


#19

Methyl tert-butyl Ether
 Concen: 57.42 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Instrument :
 MSVOA_U
 ClientSampleId :

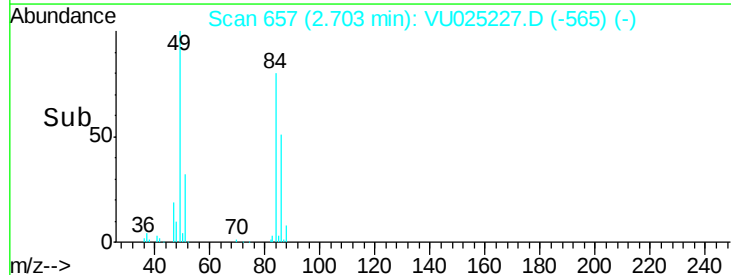
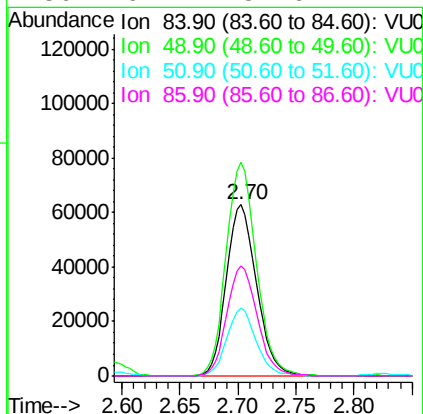
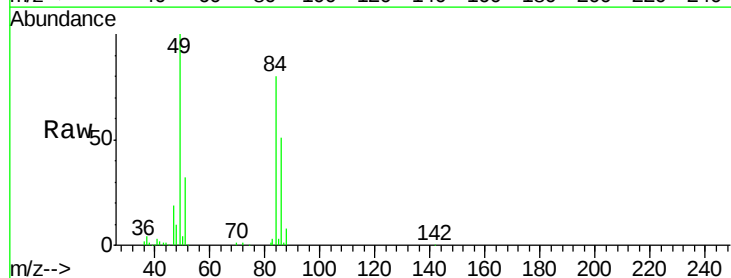
Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.8	28.2



#20

Methylene Chloride
 Concen: 53.36 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	103.8	155.8
51	39.6	32.0	48.0
86	64.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 53.80 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampled :

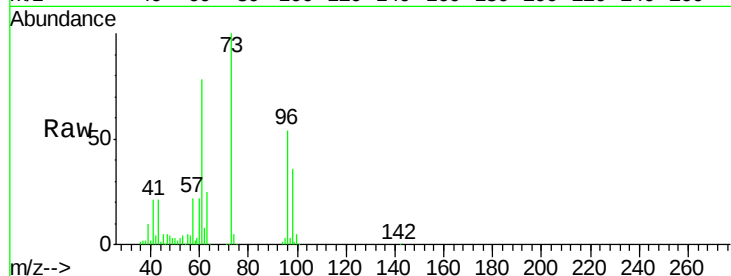
Tot Ion: 96 Resp: 104175

Ion Ratio Lower Upper

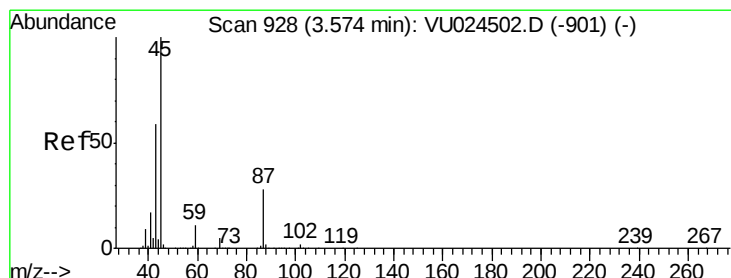
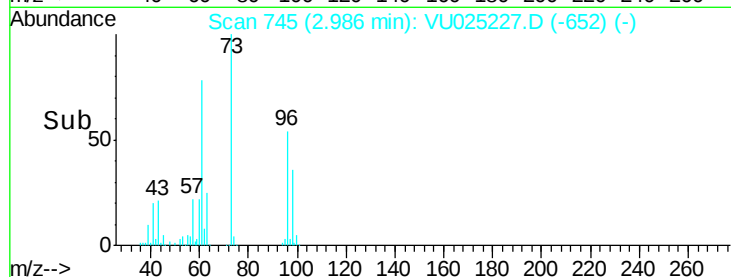
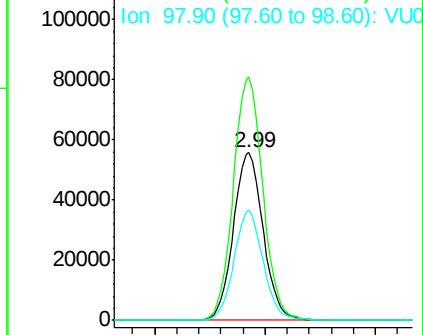
96 100

61 145.1 119.4 179.0

98 66.1 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: 55.95 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Tgt Ion: 45 Resp: 362038

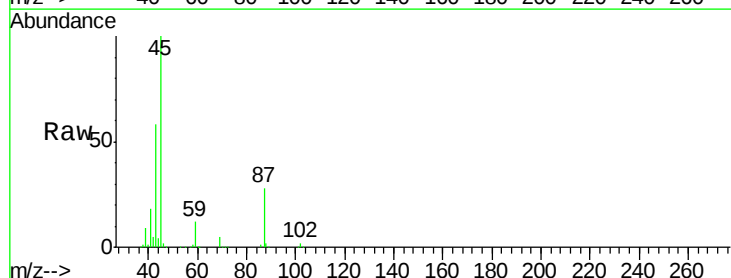
Ion Ratio Lower Upper

45 100

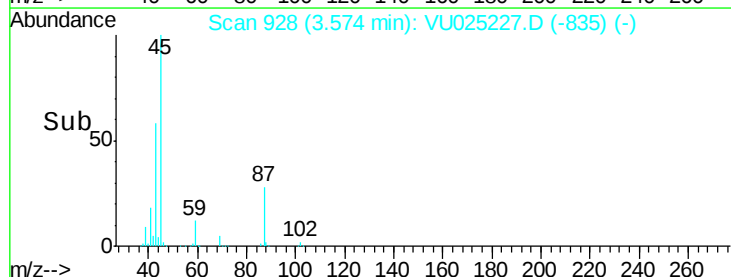
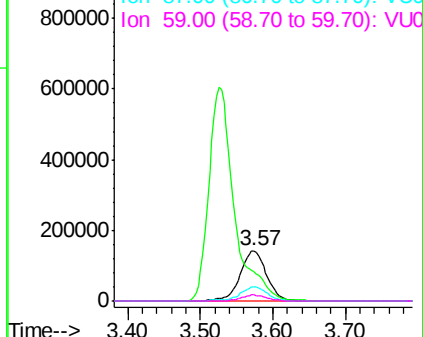
43 56.9 45.8 68.6

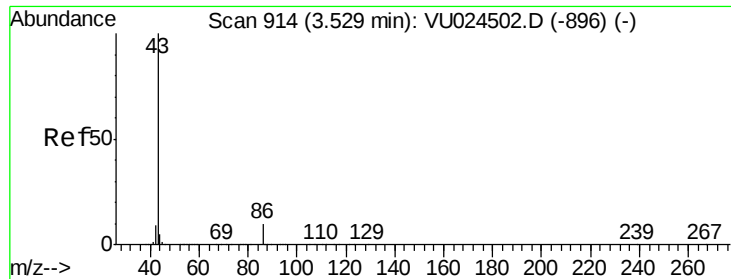
87 28.2 20.6 31.0

59 11.6 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: 254.06 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

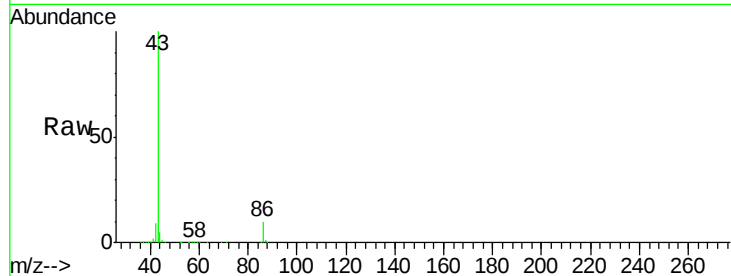
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1472686

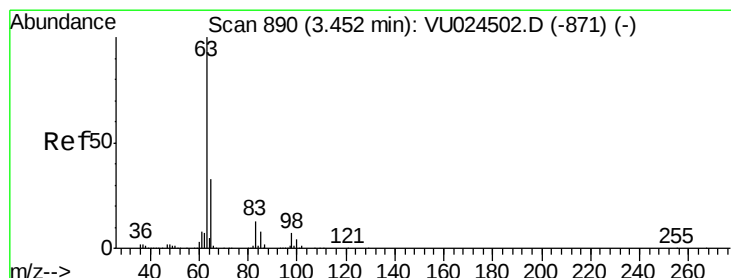
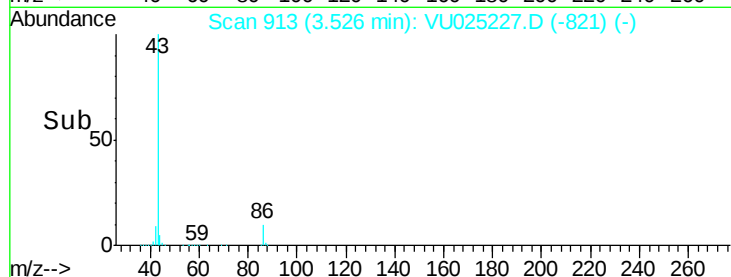
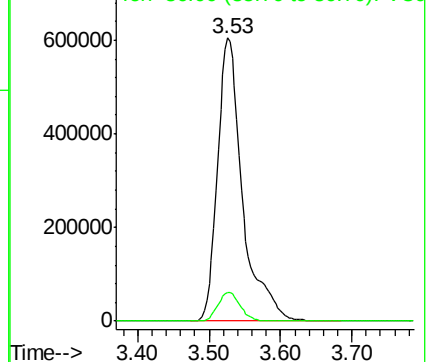
Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



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



#24

1,1-Dichloroethane

Concen: 55.48 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

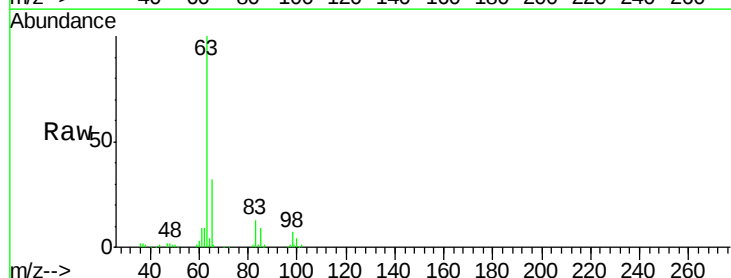
Tgt Ion: 63 Resp: 206542

Ion Ratio Lower Upper

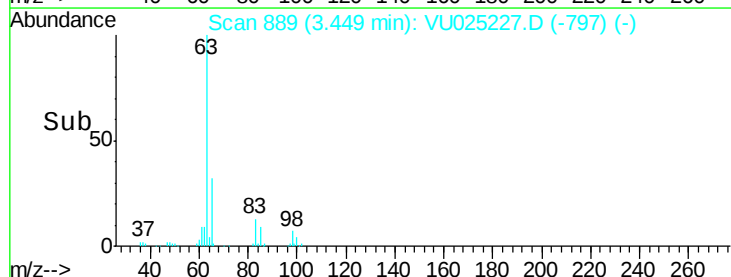
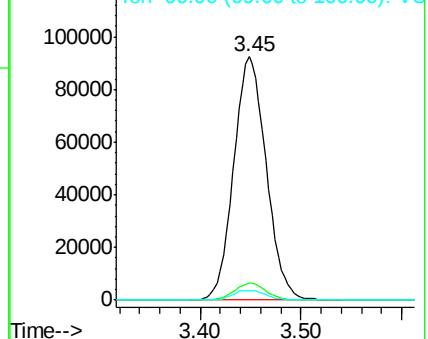
63 100

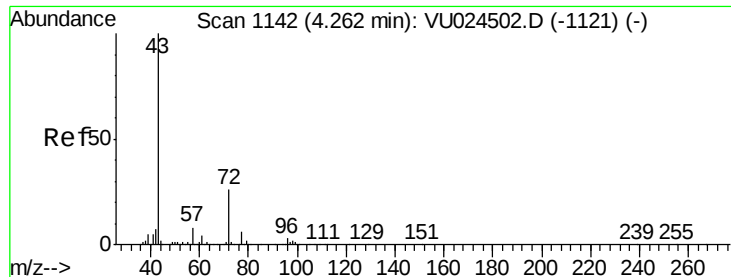
98 6.9 3.5 10.4

100 3.9 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

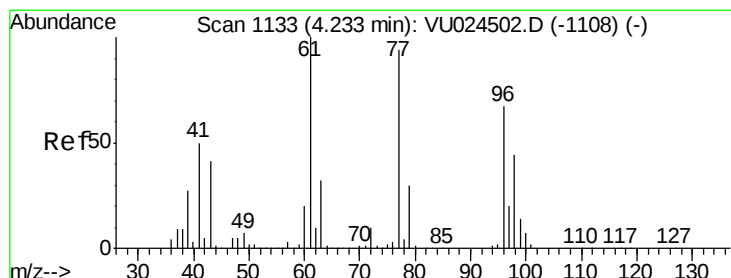
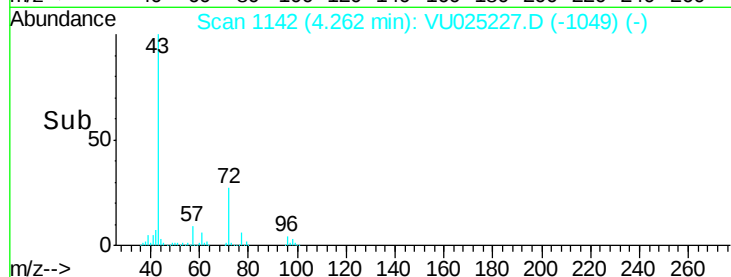
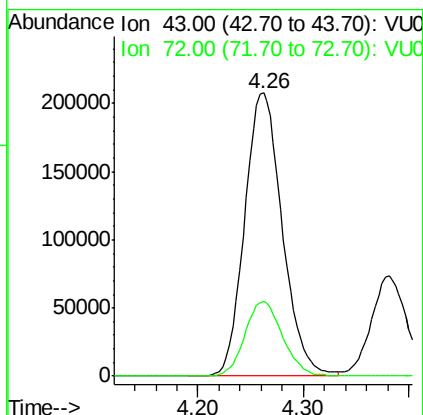
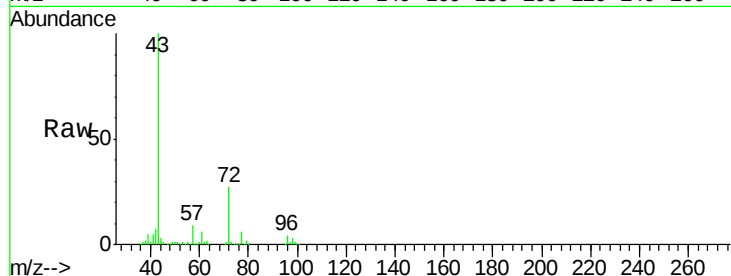




#25
2-Butanone
Concen: 282.60 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

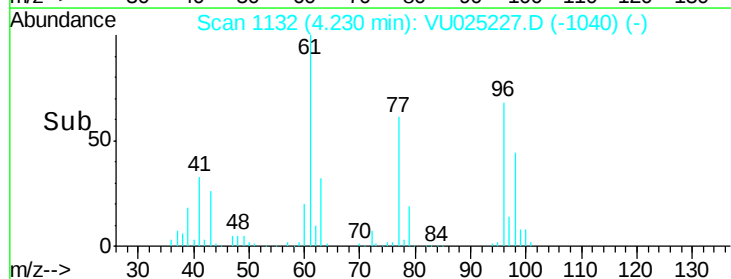
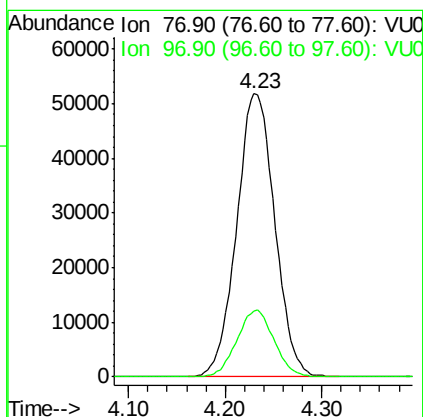
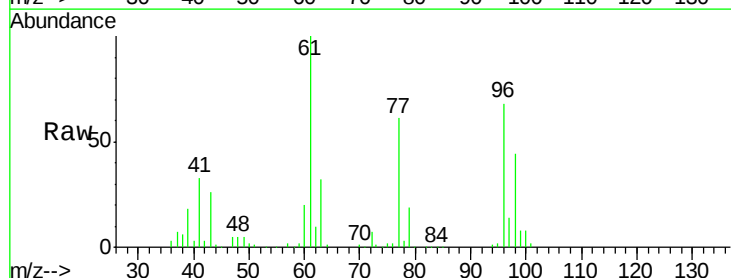
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 514093
Ion Ratio Lower Upper
43 100
72 26.6 19.6 29.4



#26
2,2-Dichloropropane
Concen: 40.06 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 77 Resp: 141614
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 63.08 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

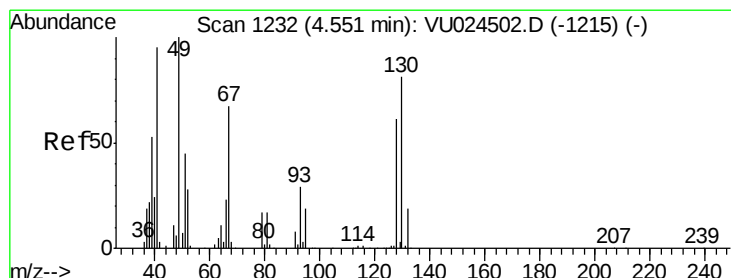
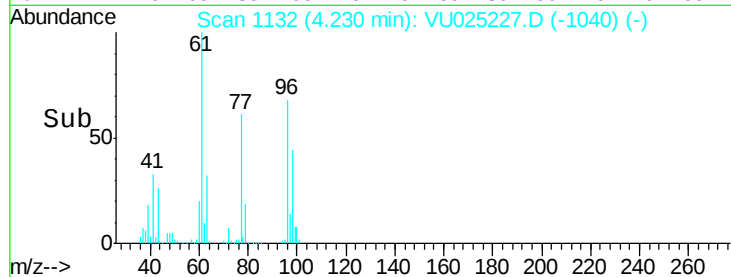
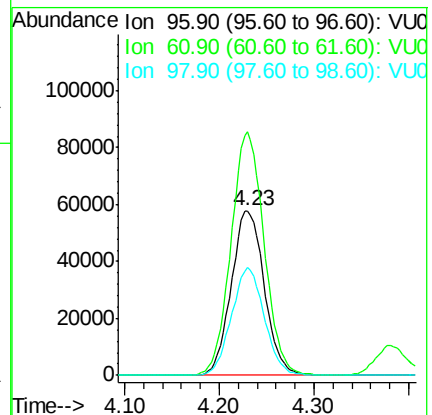
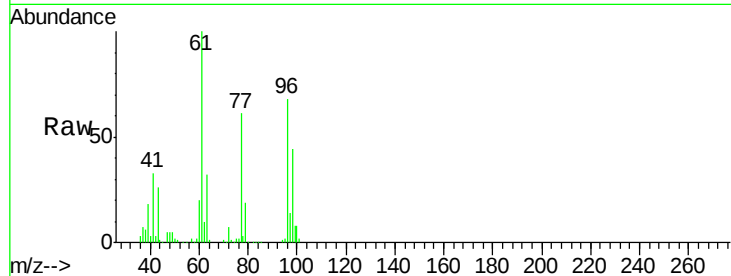
Tot Ion: 96 Resp: 140431

Ion Ratio Lower Upper

96 100

61 147.8 0.0 306.6

98 65.1 0.0 128.8



#28

Bromochloromethane

Concen: 54.41 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

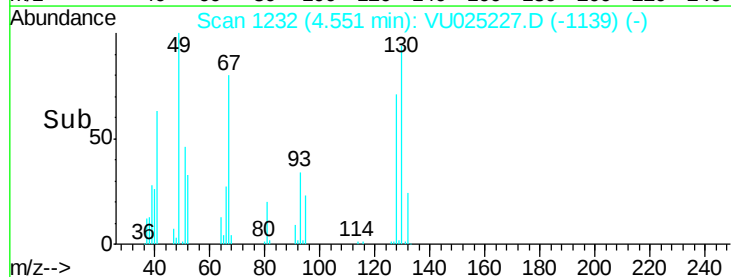
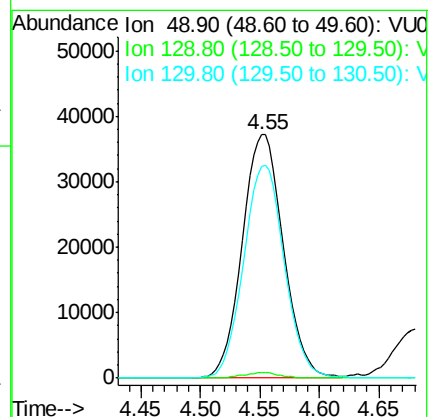
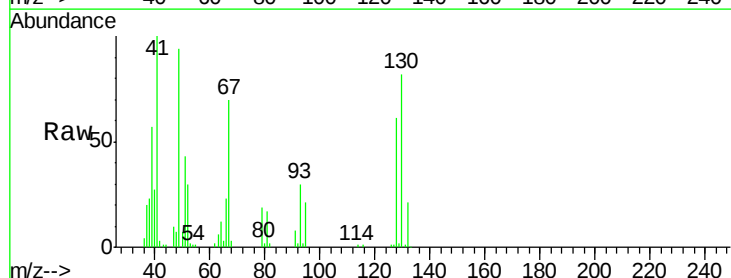
Tgt Ion: 49 Resp: 89222

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 86.5 57.8 86.6

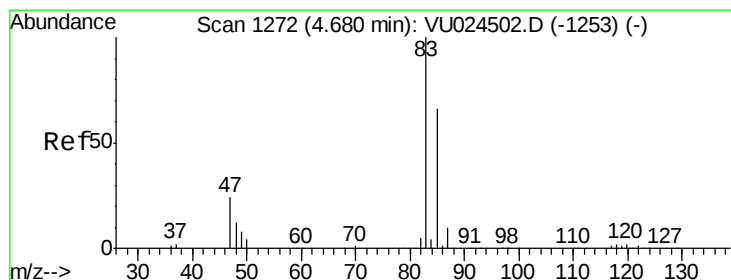
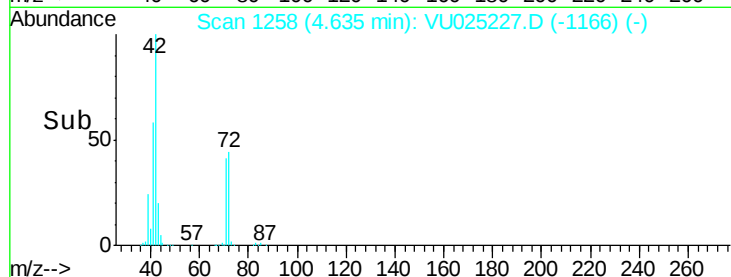
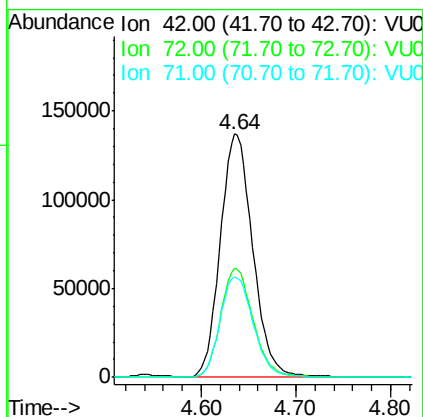
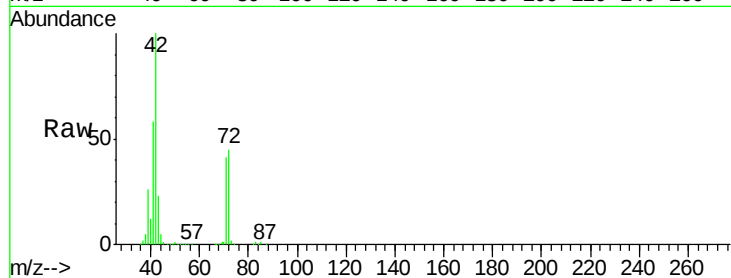




#29
Tetrahydrofuran
Concen: 288.08 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

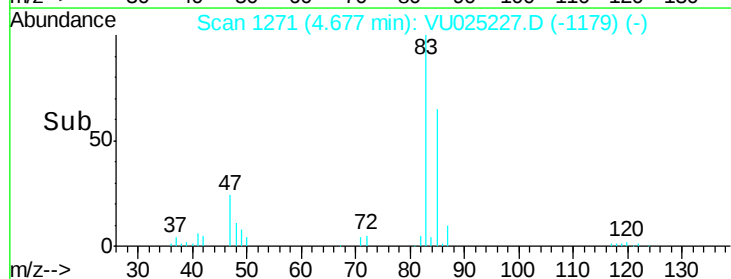
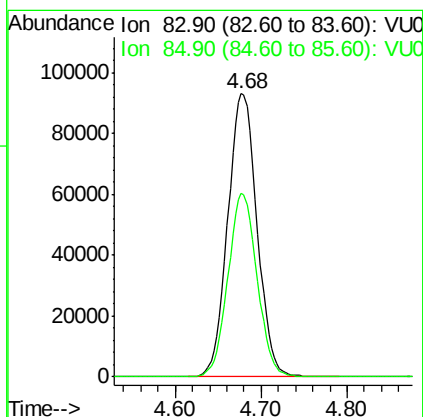
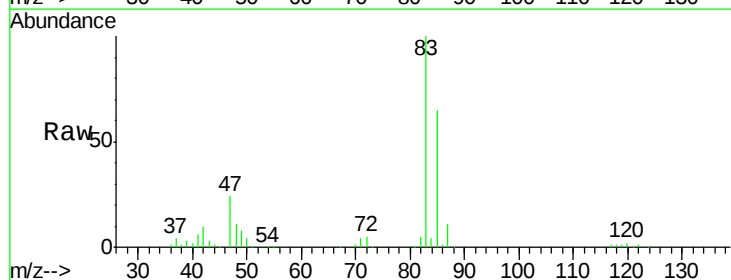
Instrument :
MSVOA_U
ClientSampleId :

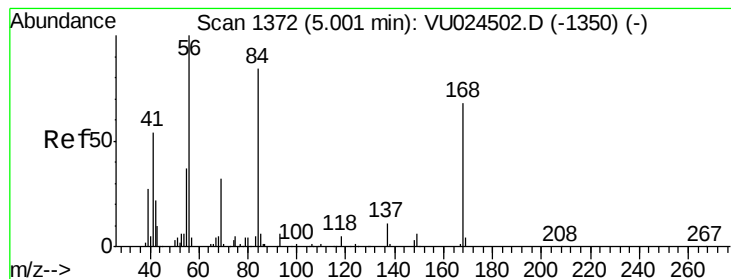
Tot Ion: 42 Resp: 324540
Ion Ratio Lower Upper
42 100
72 45.2 34.5 51.7
71 42.5 32.2 48.4



#30
Chloroform
Concen: 58.36 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 83 Resp: 219903
Ion Ratio Lower Upper
83 100
85 65.1 52.4 78.6





#31

Cyclohexane

Concen: 52.11 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampled :

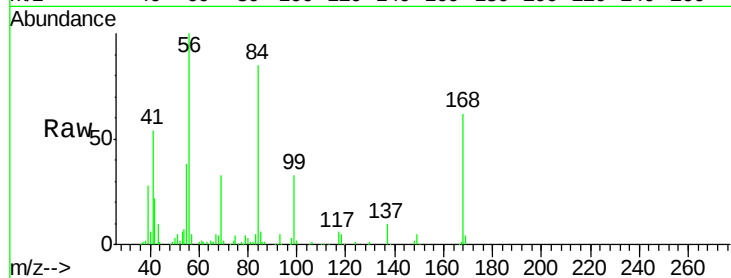
Tot Ion: 56 Resp: 171972

Ion Ratio Lower Upper

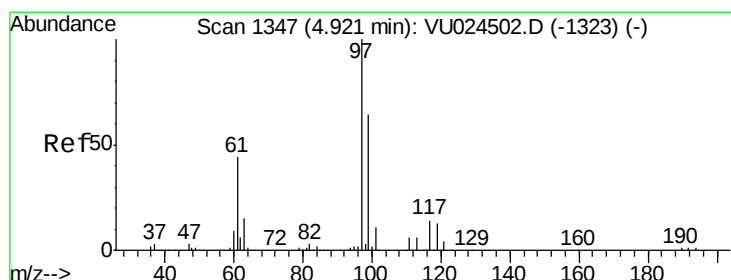
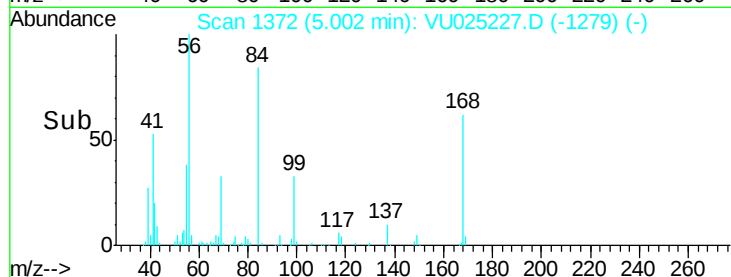
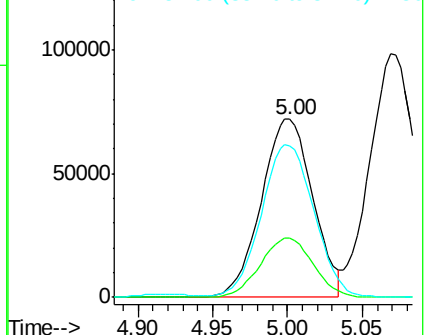
56 100

69 33.1 24.8 37.2

84 84.0 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 55.81 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

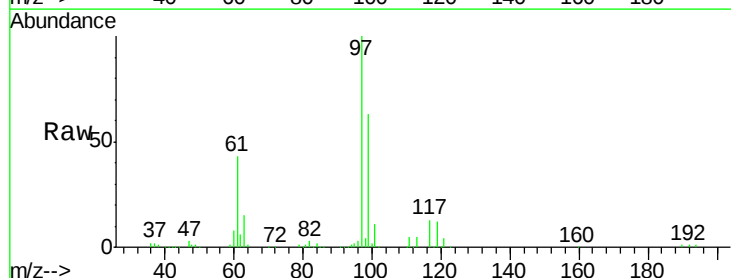
Tgt Ion: 97 Resp: 194465

Ion Ratio Lower Upper

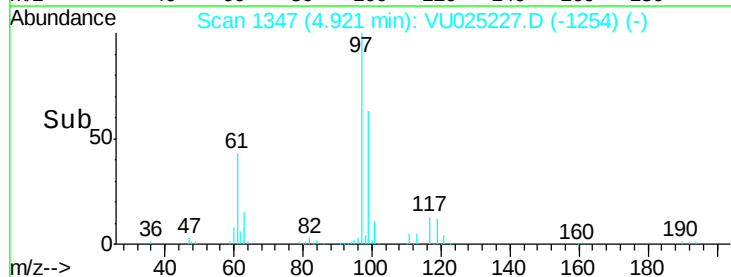
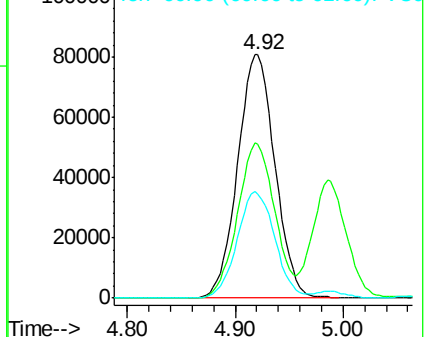
97 100

99 63.8 51.0 76.6

61 44.2 39.4 59.0



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

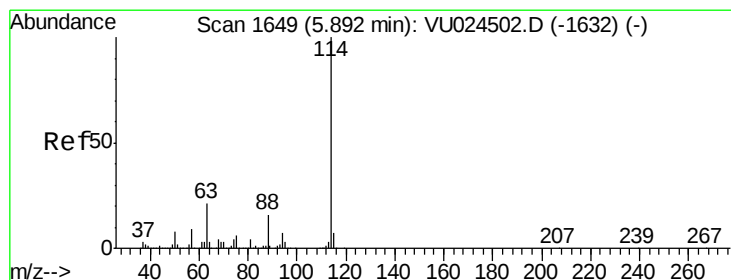
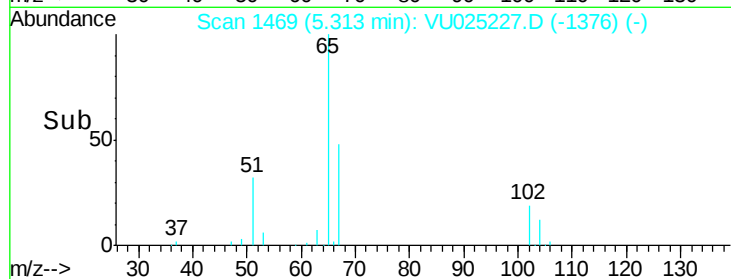
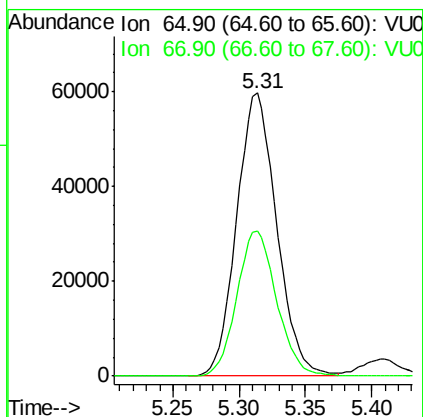
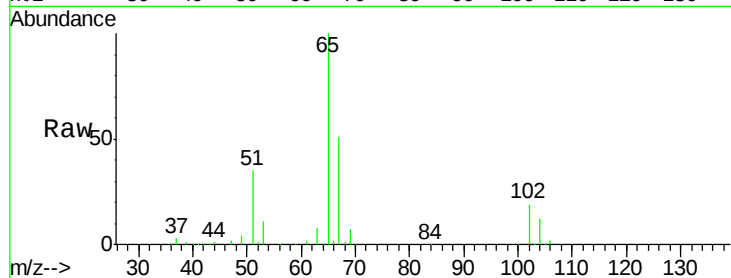




#33
 1,2-Dichloroethane-d4
 Concen: 49.59 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

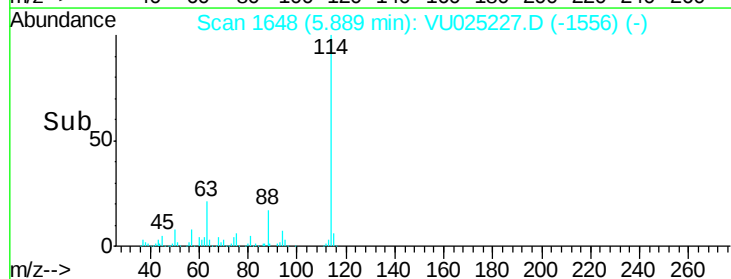
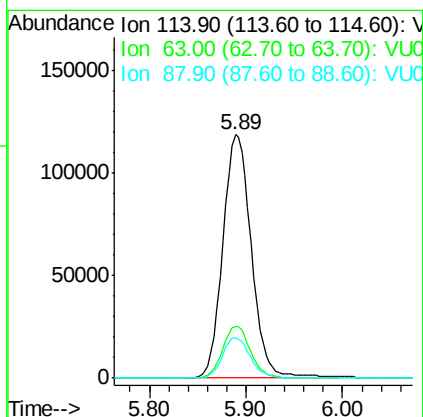
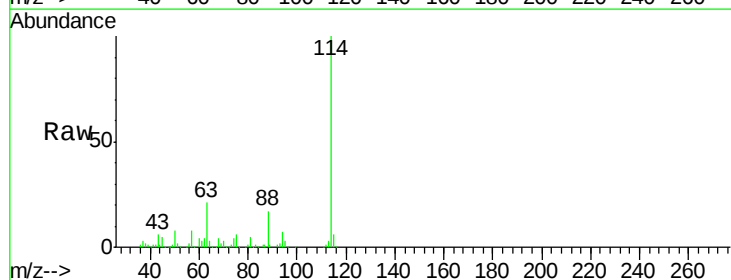
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 124999
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion: 114 Resp: 243256
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.02 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

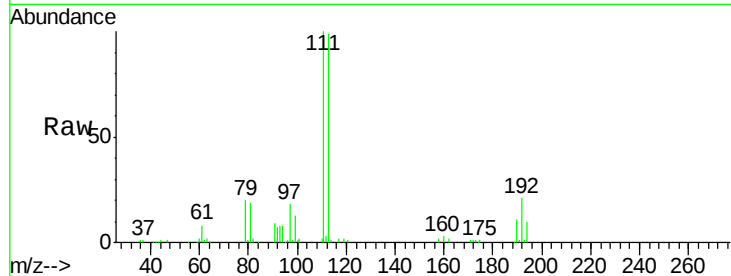
Tot Ion:113 Resp: 105025

Ion Ratio Lower Upper

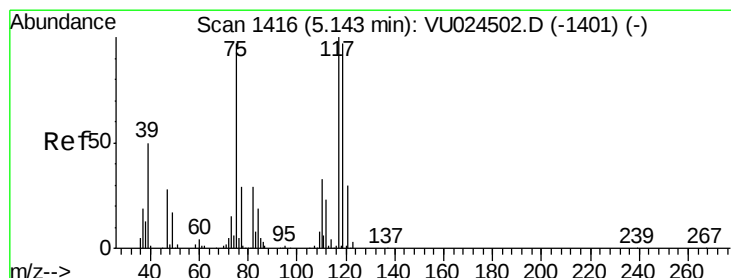
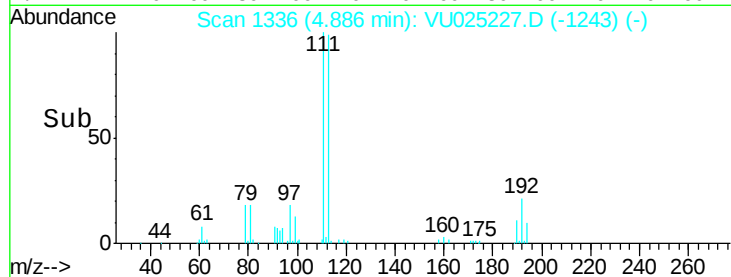
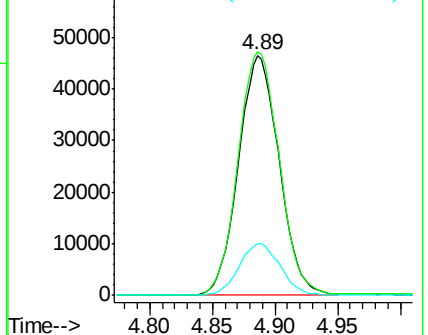
113 100

111 102.6 82.2 123.4

192 21.7 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.14 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

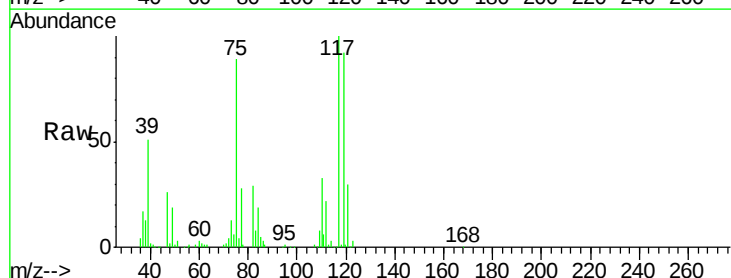
Tgt Ion: 75 Resp: 149039

Ion Ratio Lower Upper

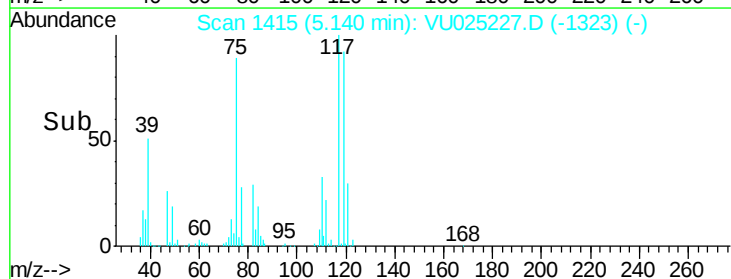
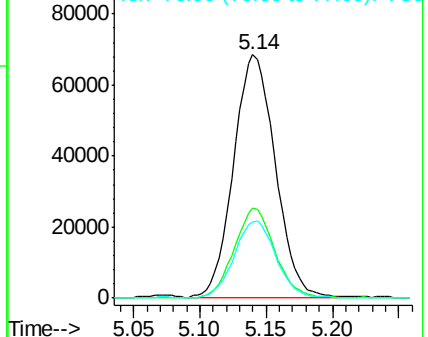
75 100

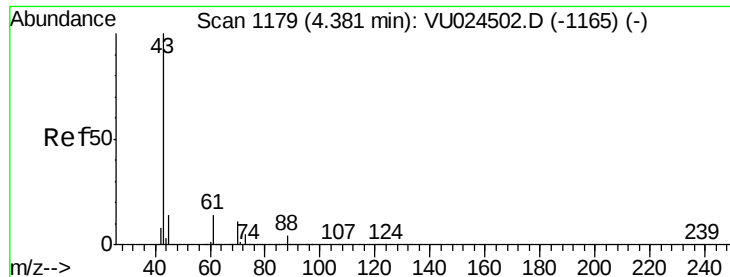
110 36.4 17.0 50.9

77 32.1 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

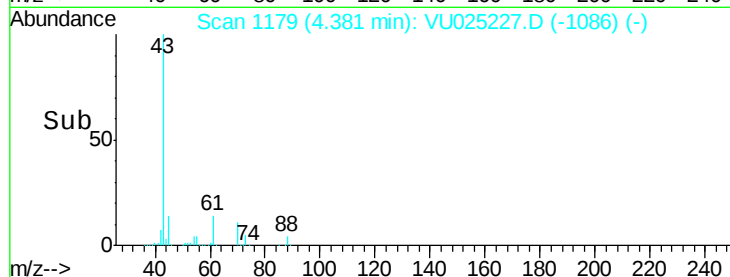
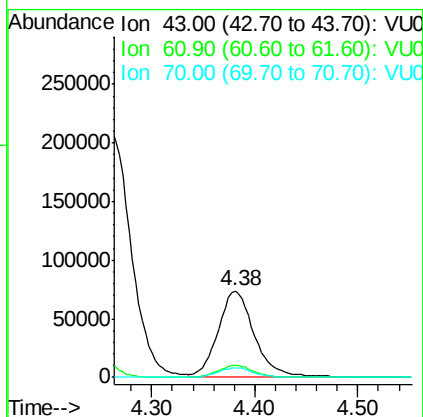
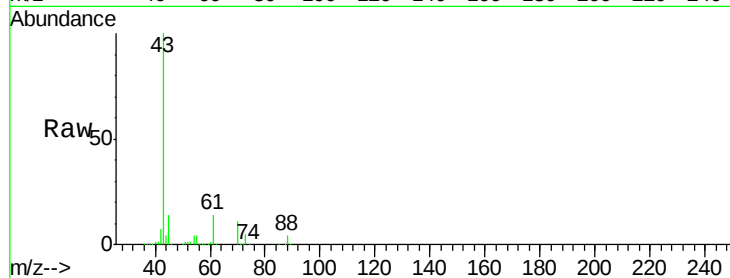




#37
Ethyl Acetate
Concen: 56.67 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

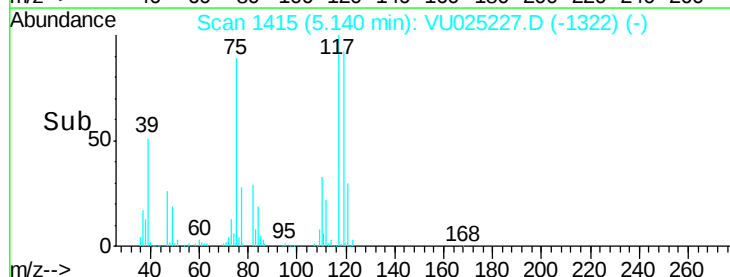
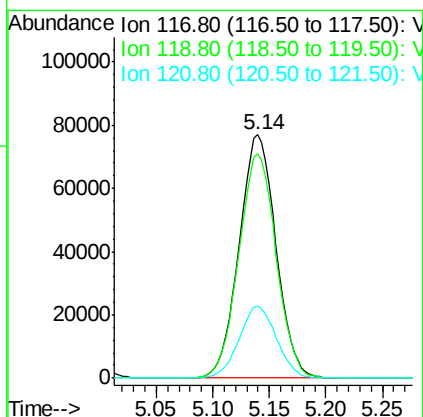
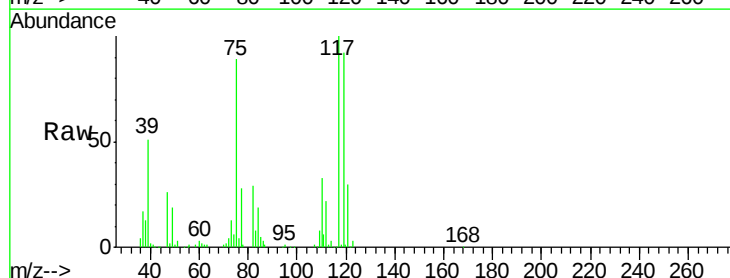
Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 55.47 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.1	114.1
121	29.7	23.7	35.5

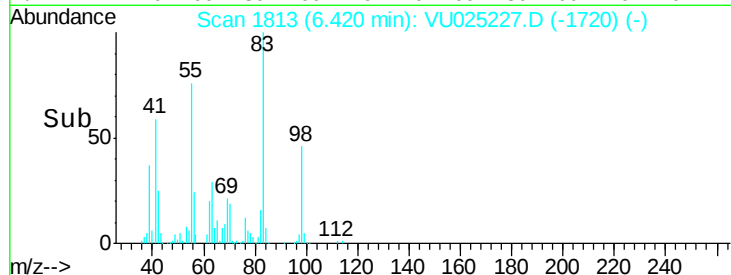
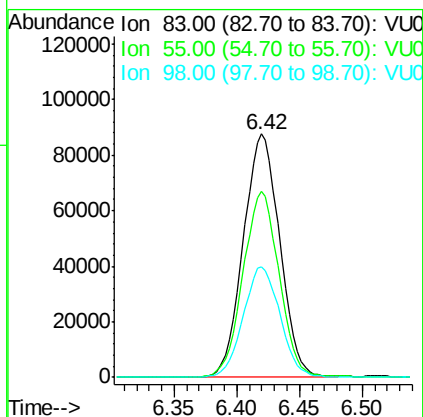
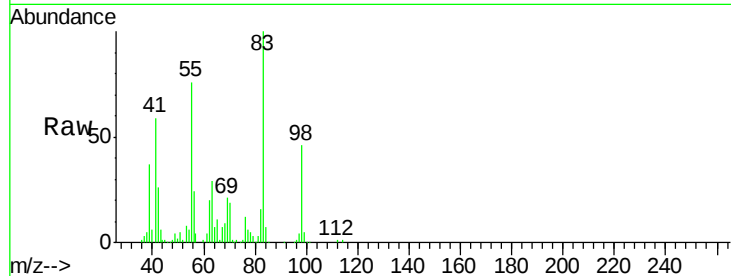




#39
Methvlcvclohexane
Concen: 49.70 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

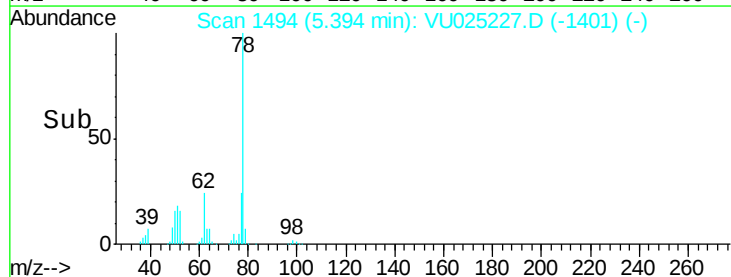
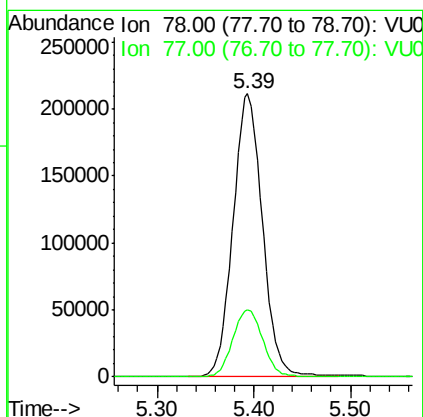
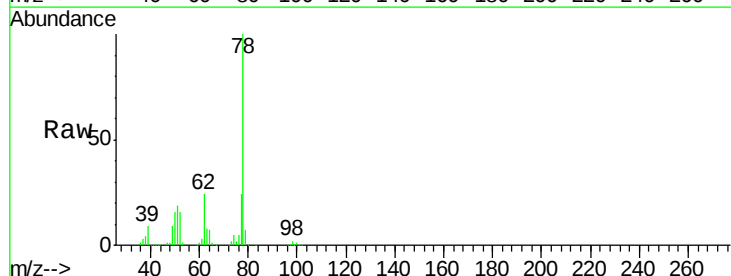
Instrument :
MSVOA_U
ClientSampled :

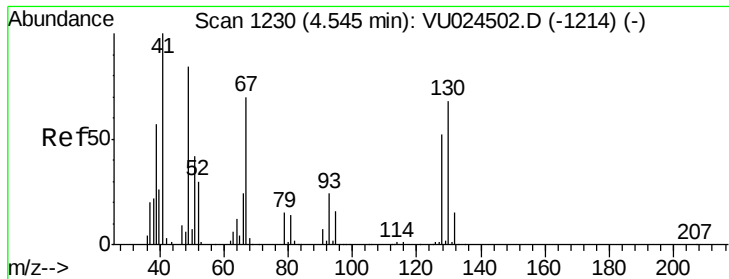
Tot Ion: 83 Resp: 177303
Ion Ratio Lower Upper
83 100
55 76.4 65.8 98.6
98 45.6 36.7 55.1



#40
Benzene
Concen: 55.04 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 78 Resp: 448298
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8





#41

Methacrylonitrile

Concen: 61.93 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 104029

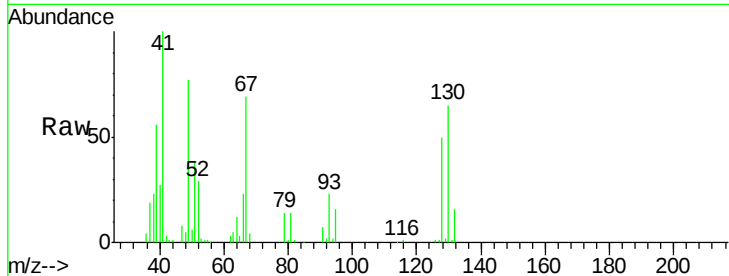
Ion Ratio Lower Upper

41 100

39 56.8 43.8 65.6

67 70.4 56.3 84.5

52 29.5 23.2 34.8

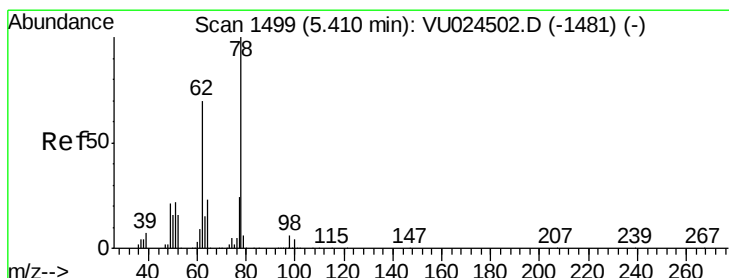
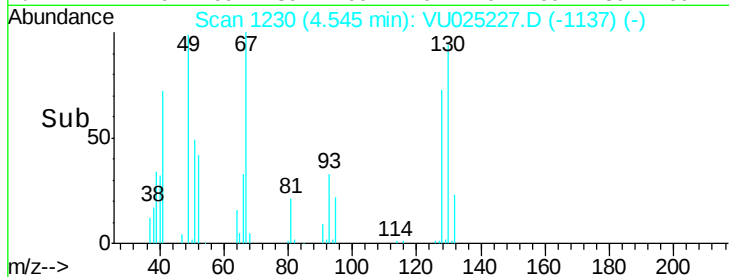
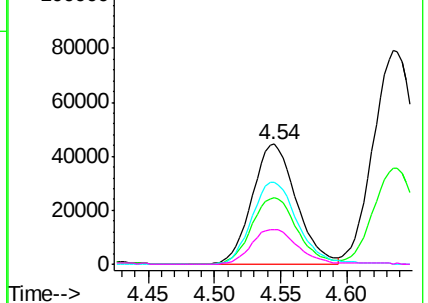


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 60.27 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025227.D

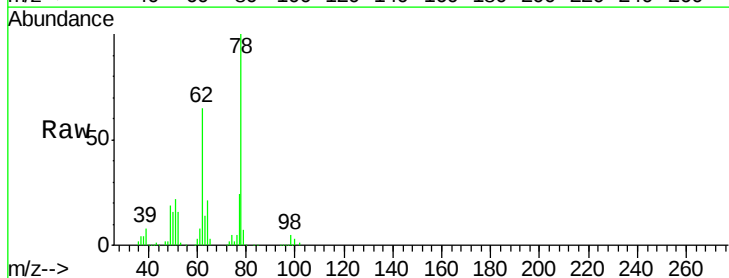
Acq: 05 Jul 2018 19:54

Tgt Ion: 62 Resp: 186964

Ion Ratio Lower Upper

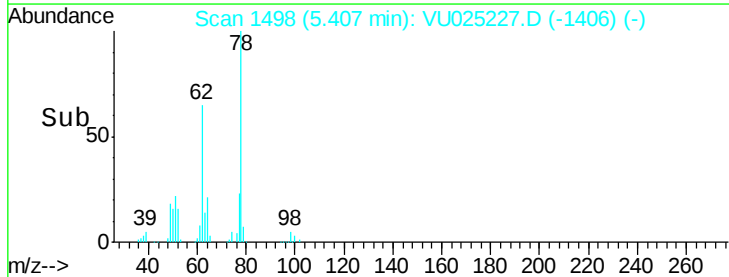
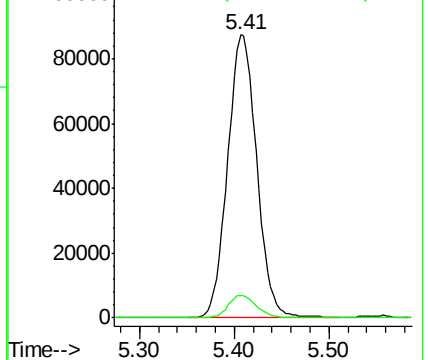
62 100

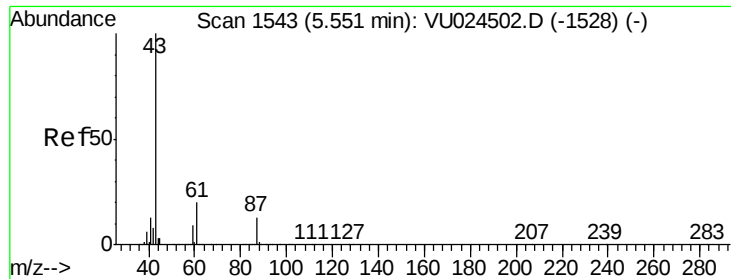
98 7.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

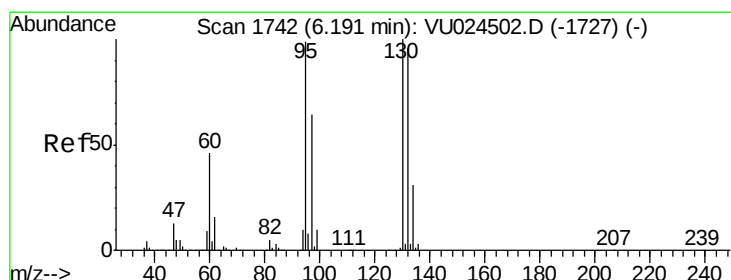
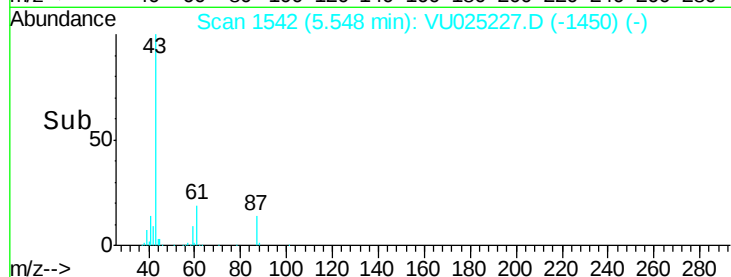
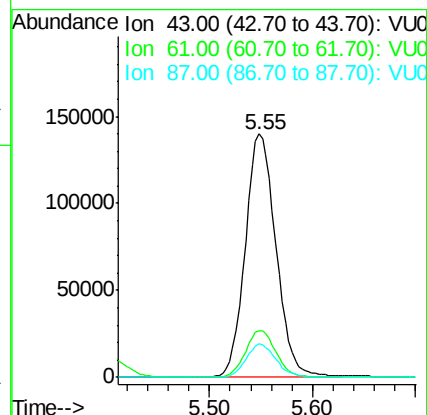
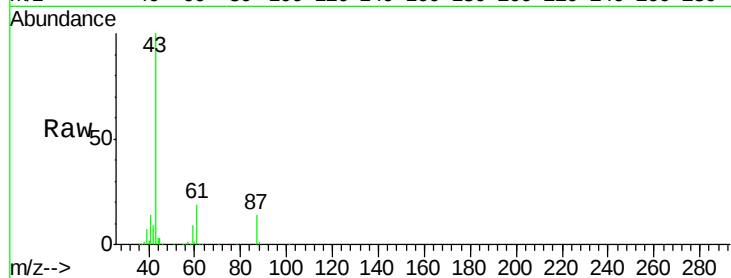




#43
Isopropyl Acetate
Concen: 53.55 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

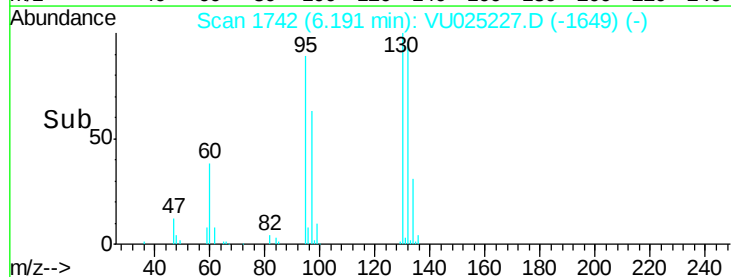
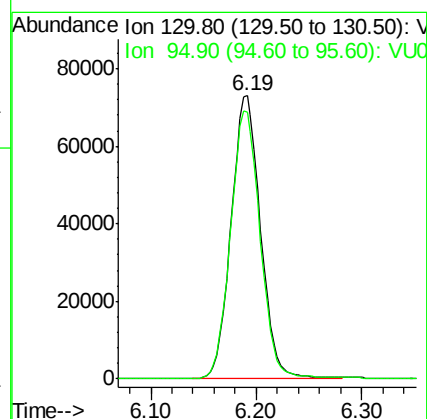
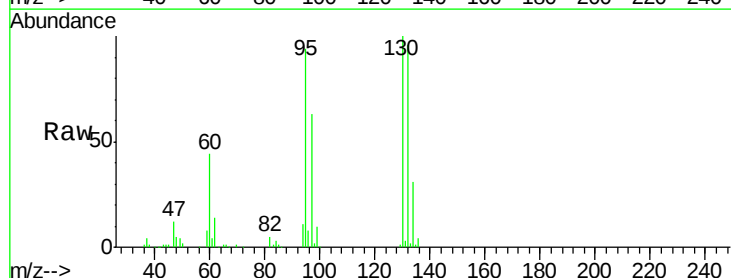
Instrument :
MSVOA_U
ClientSampleId :

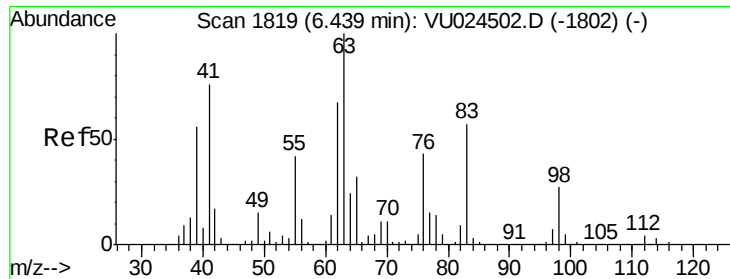
Tot Ion: 43 Resp: 288366
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 13.4 10.0 15.0



#44
Trichloroethene
Concen: 60.91 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion:130 Resp: 141192
Ion Ratio Lower Upper
130 100
95 94.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 56.01 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

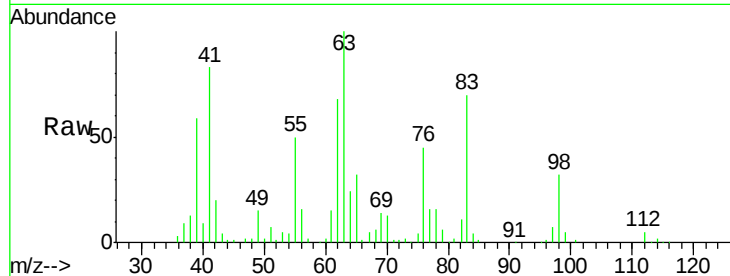
ClientSampleId :

Tot Ion: 63 Resp: 121734

Ion Ratio Lower Upper

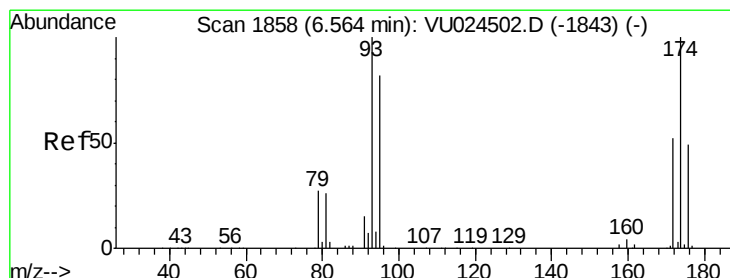
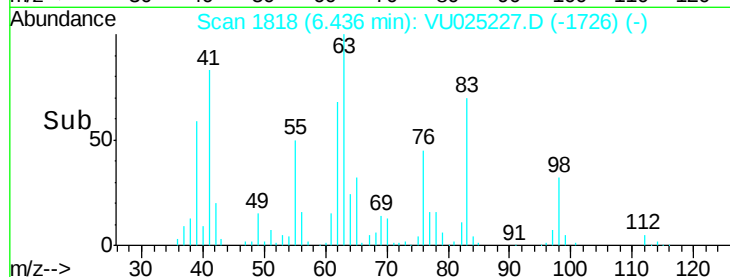
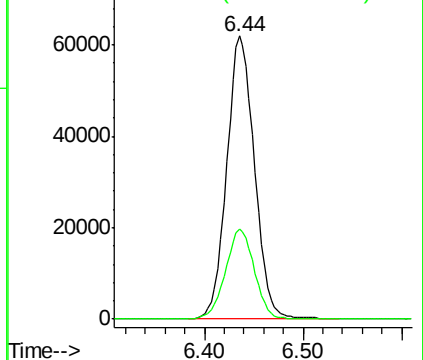
63 100

65 31.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 58.02 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

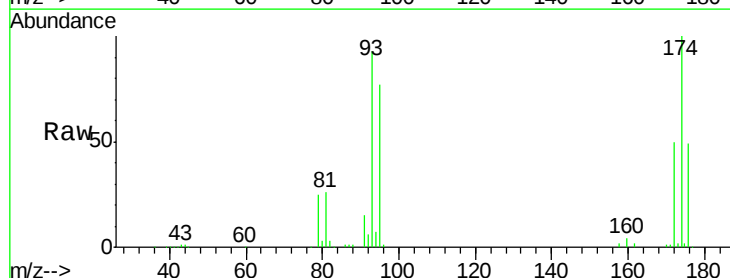
Tgt Ion: 93 Resp: 88576

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

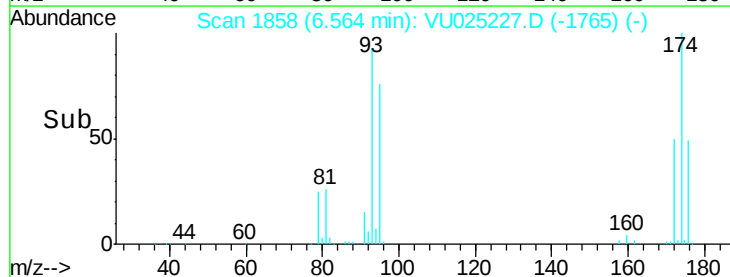
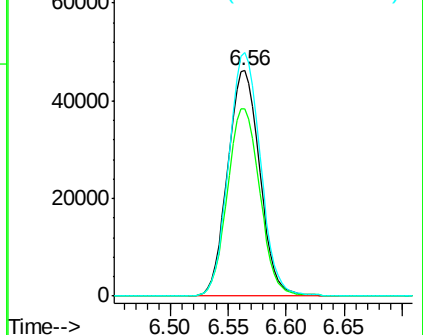
174 106.8 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.88 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

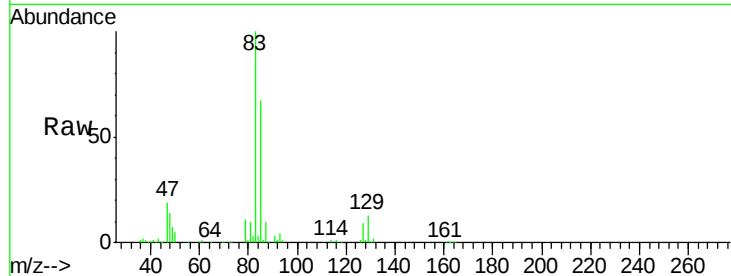
Tot Ion: 83 Resp: 166827

Ion Ratio Lower Upper

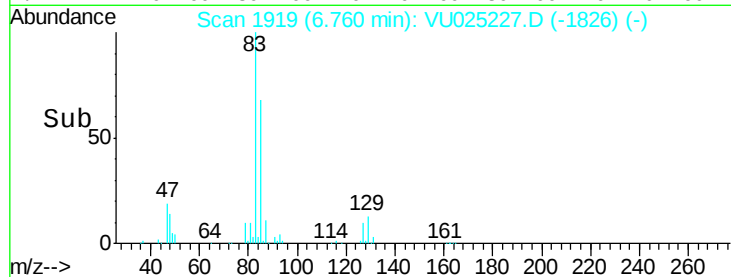
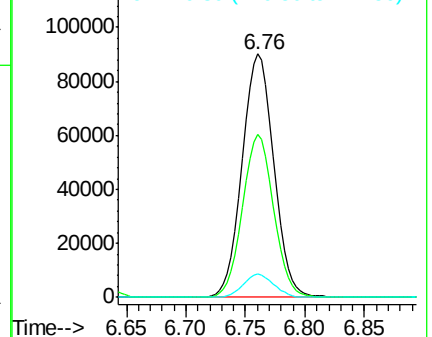
83 100

85 66.8 51.9 77.9

127 9.5 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: 58.67 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

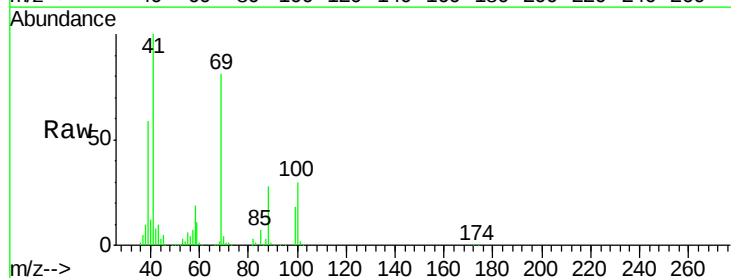
Tgt Ion: 41 Resp: 153840

Ion Ratio Lower Upper

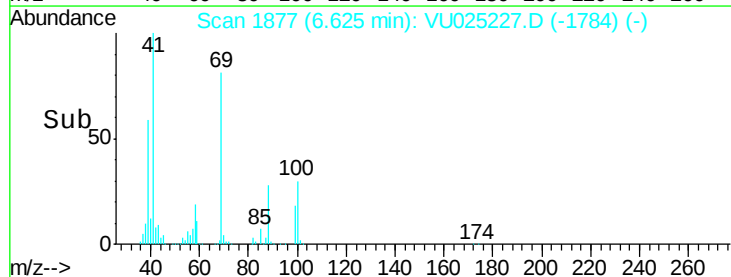
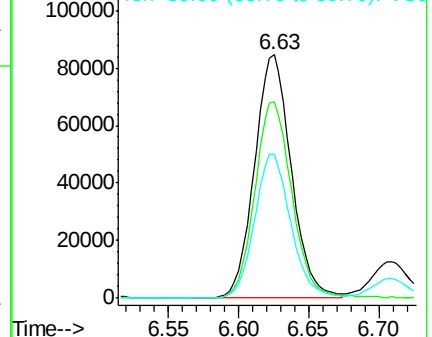
41 100

69 81.8 67.3 100.9

39 57.9 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

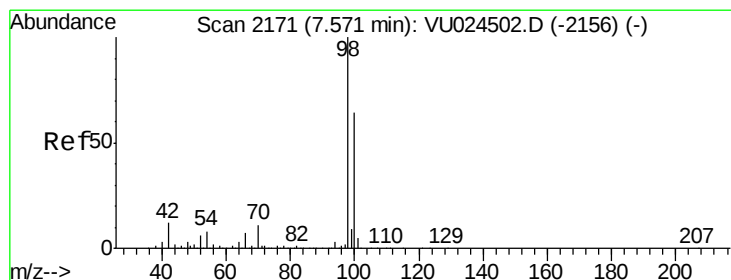
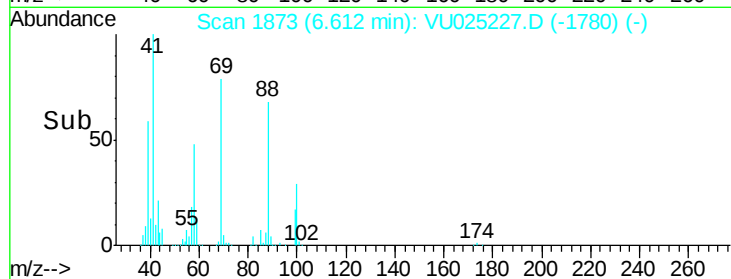
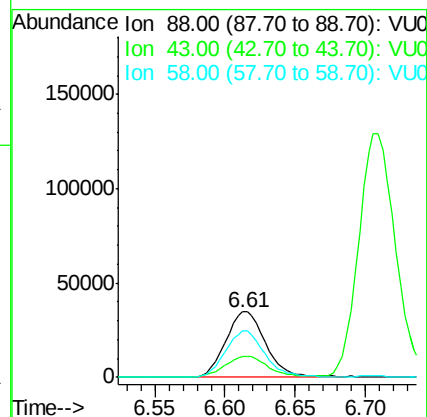
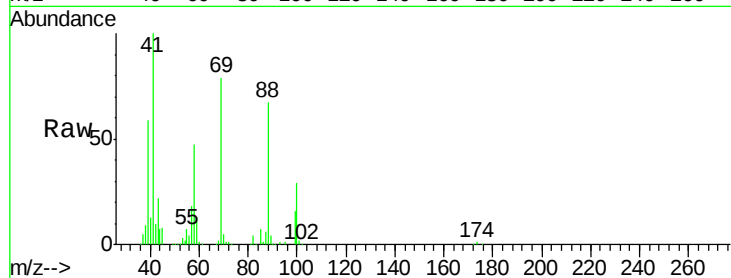




#49
 1,4-Dioxane
 Concen: 1306.58 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

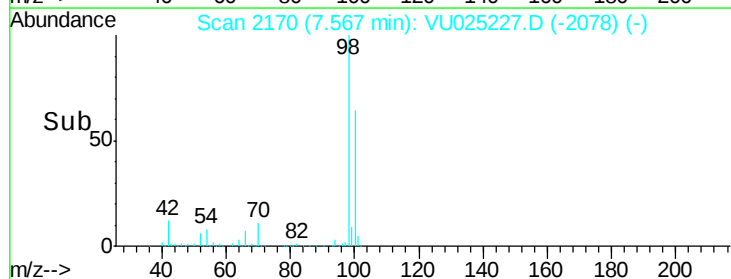
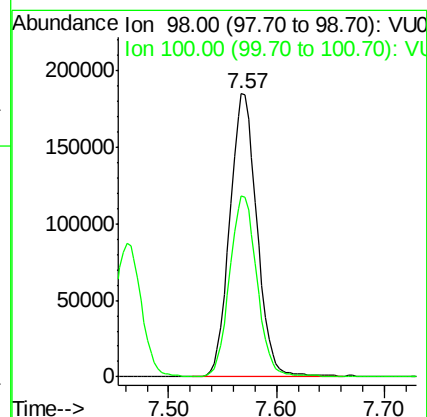
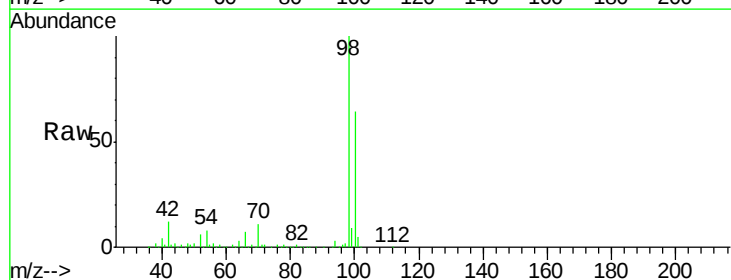
Instrument :
 MSVOA_U
 ClientSampleId :

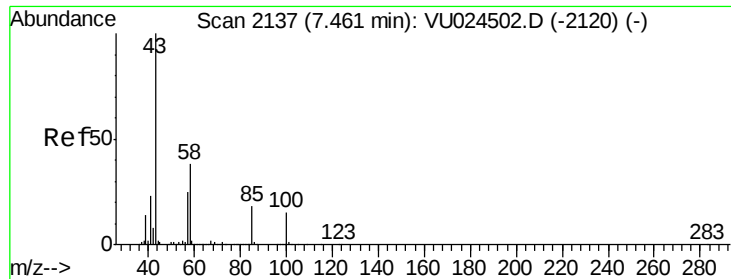
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.6	42.8
58	71.3	58.2	87.4



#50
 Toluene-d8
 Concen: 44.26 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7

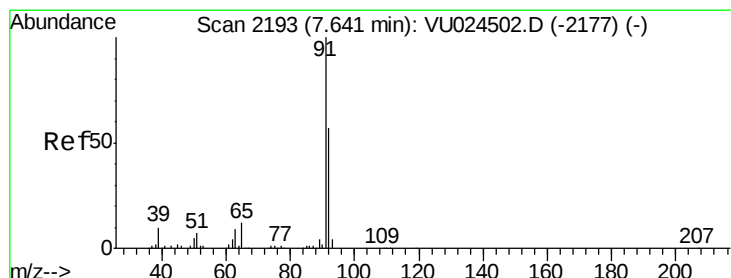
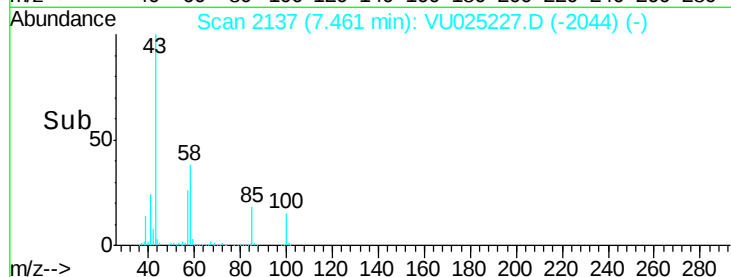
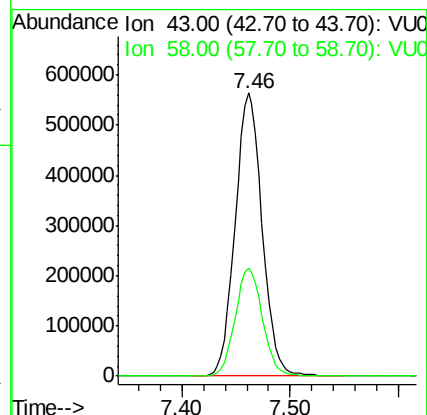
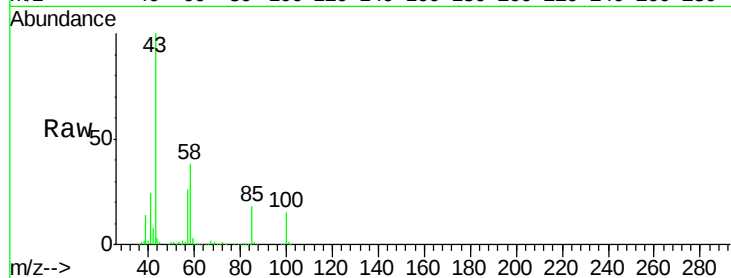




#51
 4-Methyl-2-Pentanone
 Concen: 290.64 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

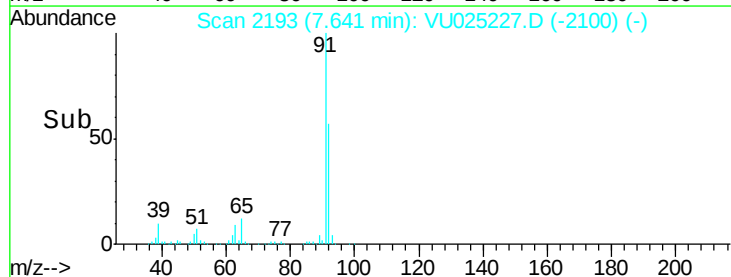
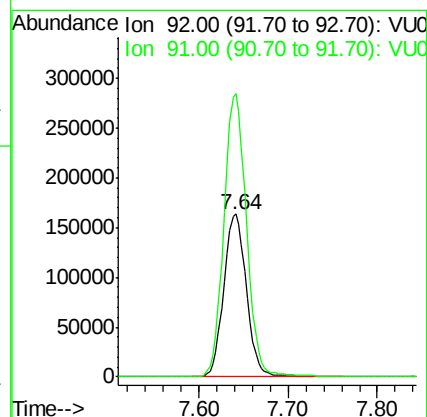
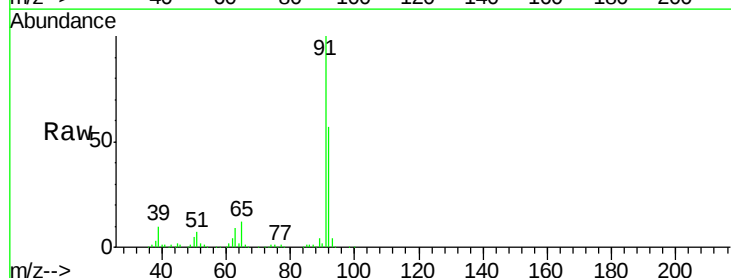
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 983329
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.0 45.0



#52
 Toluene
 Concen: 55.05 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion: 92 Resp: 288471
 Ion Ratio Lower Upper
 92 100
 91 173.4 140.5 210.7

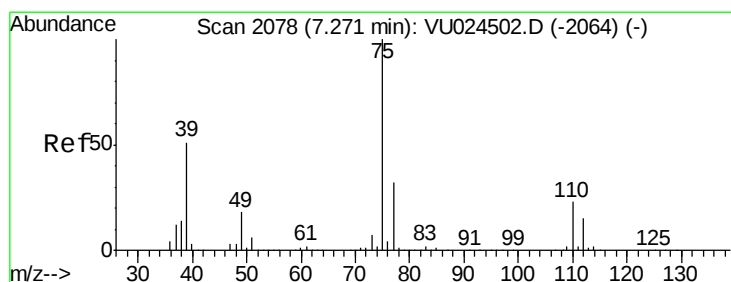
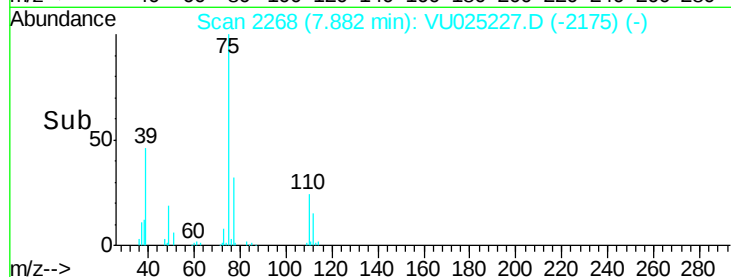
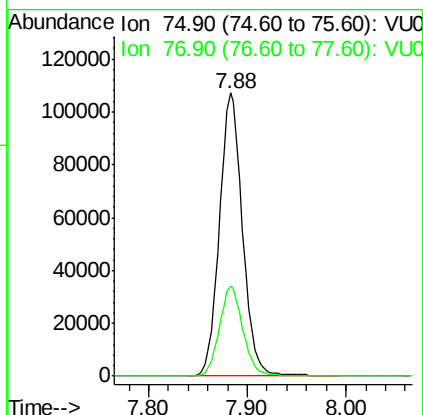
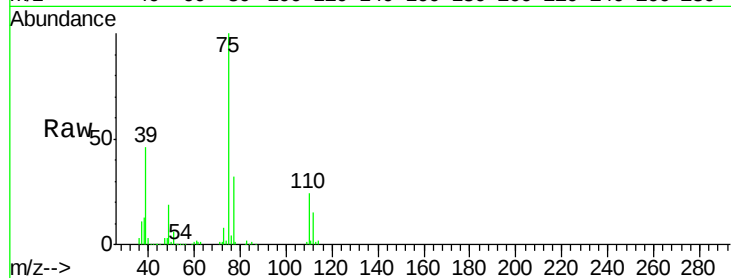




#53
t-1,3-Dichloropropene
Concen: 51.60 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

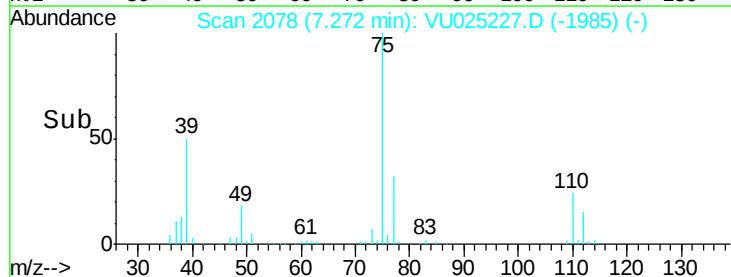
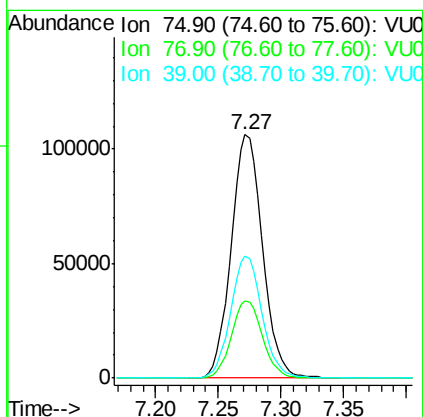
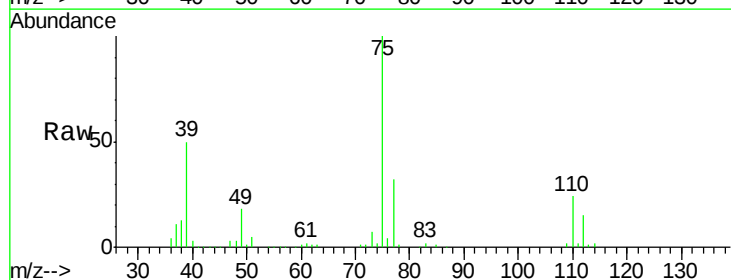
Instrument :
MSVOA_U
ClientSampleId :

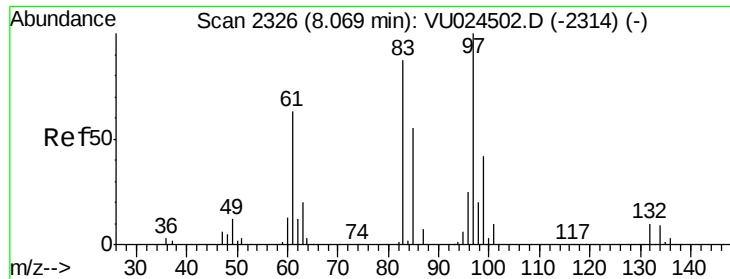
Tot Ion: 75 Resp: 176139
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 50.86 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 75 Resp: 184994
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 50.1 39.8 59.6

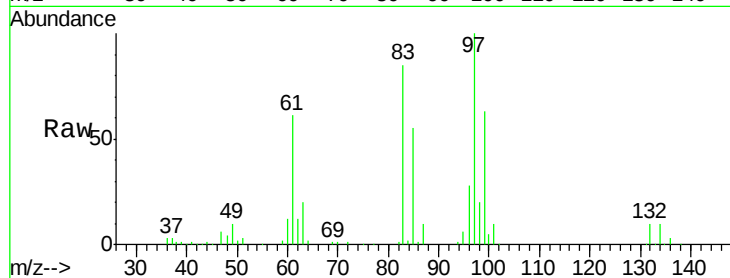




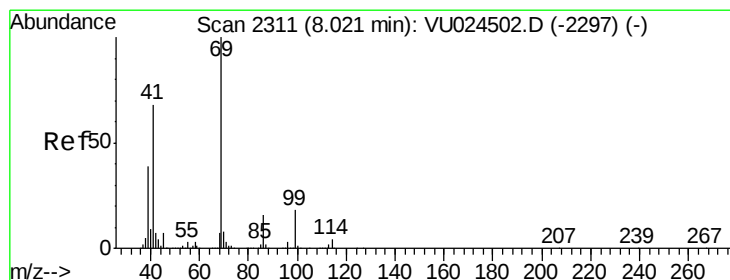
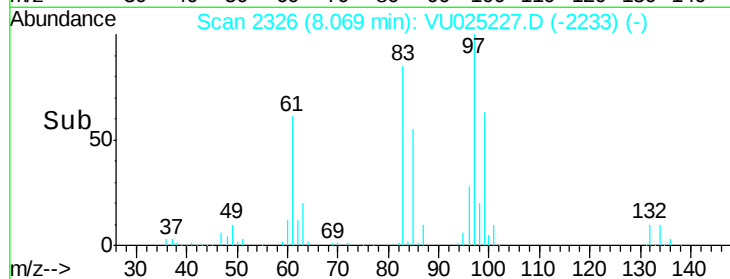
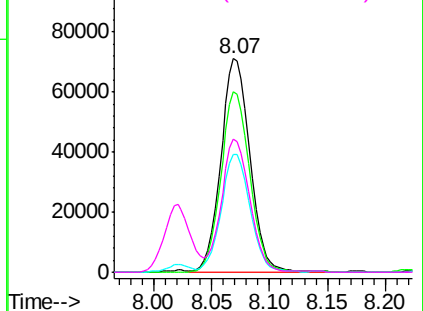
#55
 1,1,2-Trichloroethane
 Concen: 57.76 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	123027
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.5	105.7
85	55.0	46.4	69.6
99	62.5	50.2	75.2

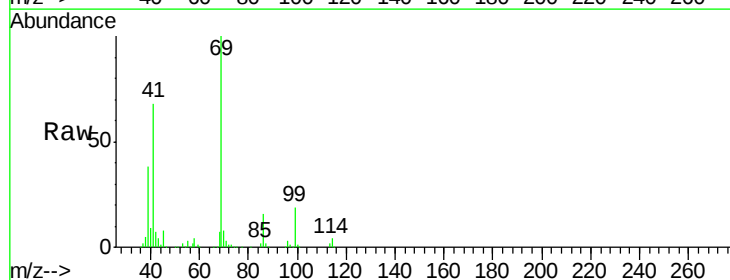


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

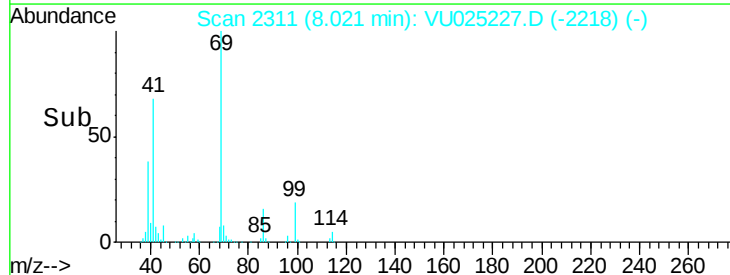
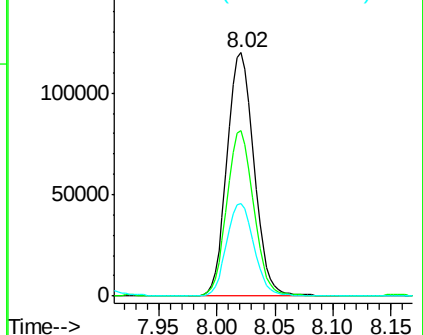


#56
 Ethyl methacrylate
 Concen: 54.12 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion:	69	Resp:	192963
Ion	Ratio	Lower	Upper
69	100		
41	67.6	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

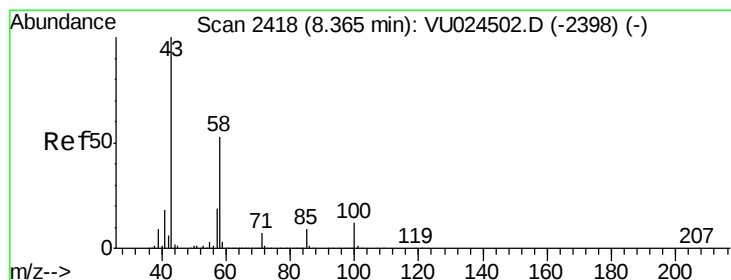
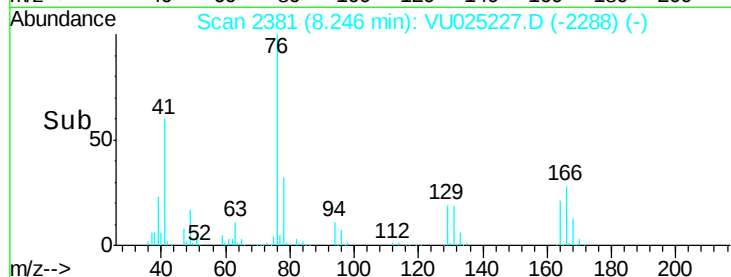
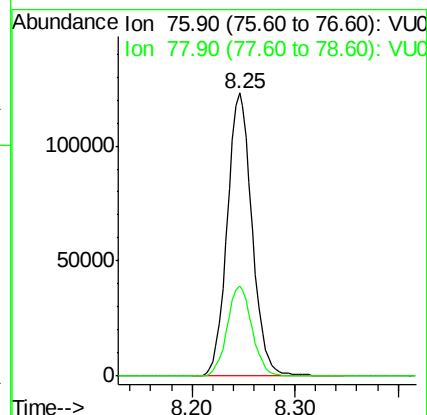
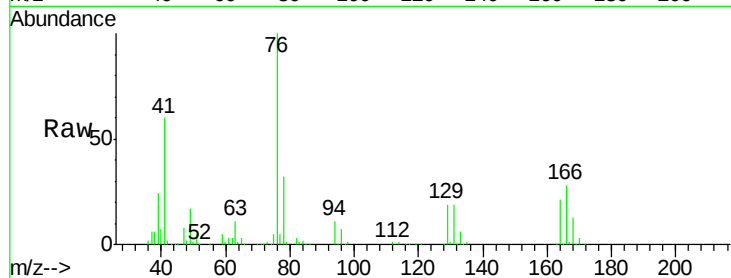




#57
 1,3-Dichloropropane
 Concen: 57.37 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

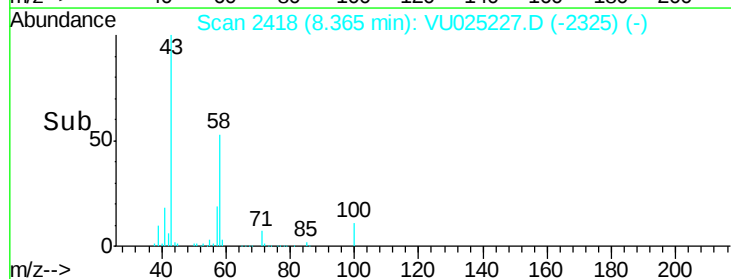
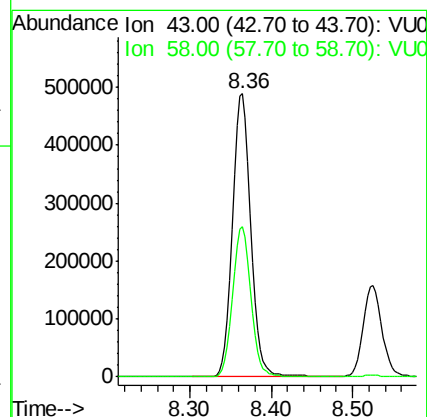
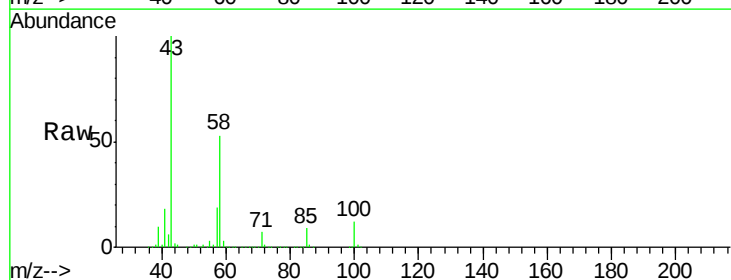
Instrument :
 MSVOA_U
 ClientSampleId :

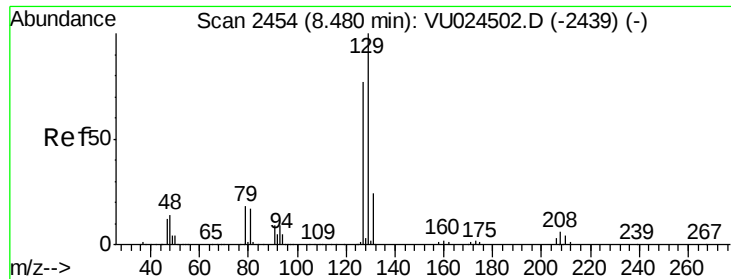
Tot Ion: 76 Resp: 206145
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8



#59
 2-Hexanone
 Concen: 282.83 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion: 43 Resp: 781213
 Ion Ratio Lower Upper
 43 100
 58 53.2 26.4 79.0





#60

Dibromochloromethane

Concen: 52.58 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

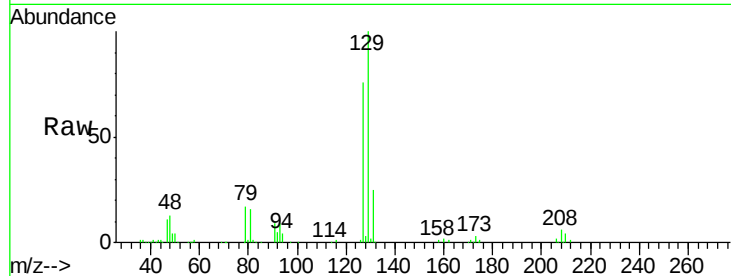
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 139671

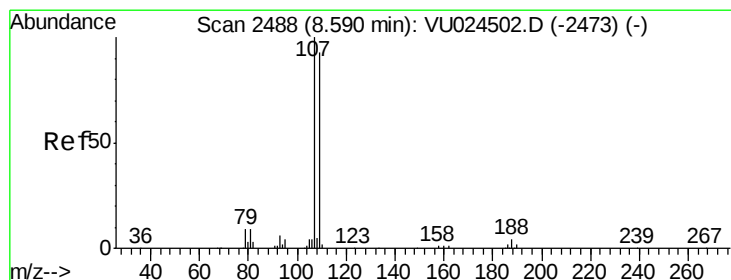
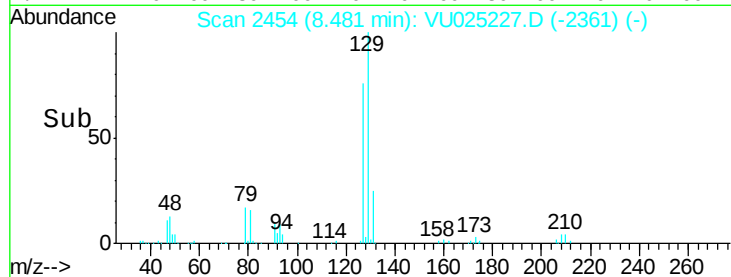
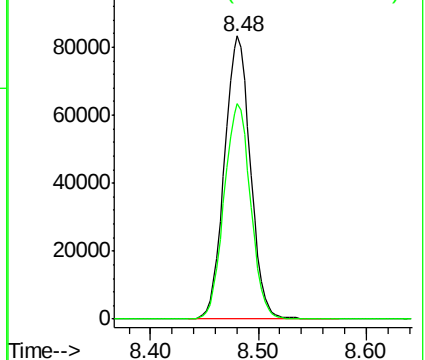
Ion Ratio Lower Upper

129 100

127 77.7 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 56.90 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025227.D

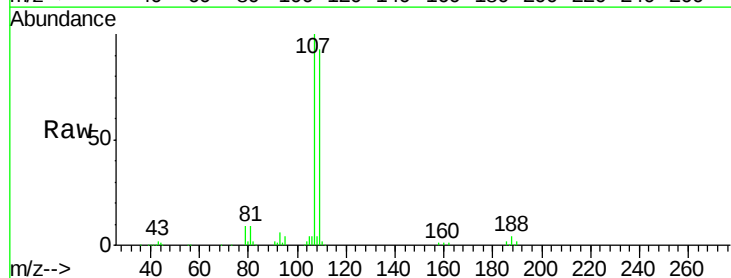
Acq: 05 Jul 2018 19:54

Tgt Ion:107 Resp: 134905

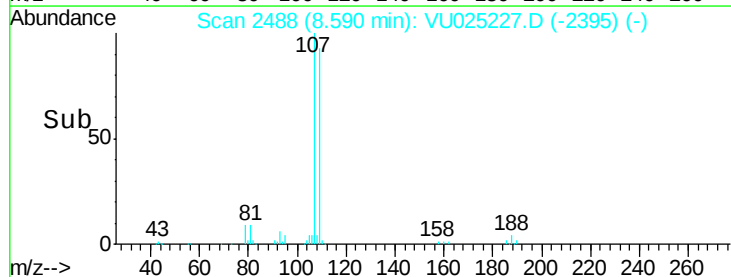
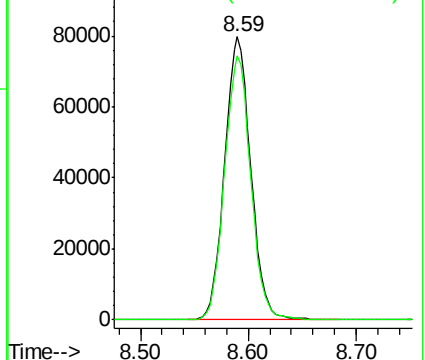
Ion Ratio Lower Upper

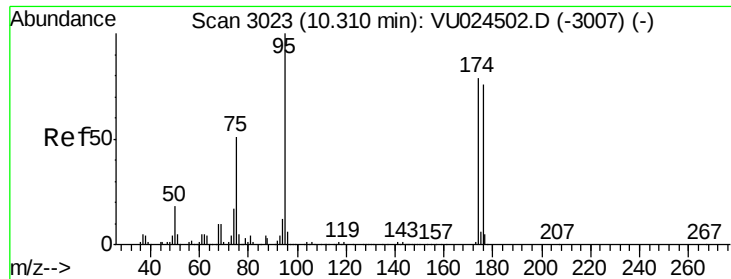
107 100

109 93.7 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: 49.22 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

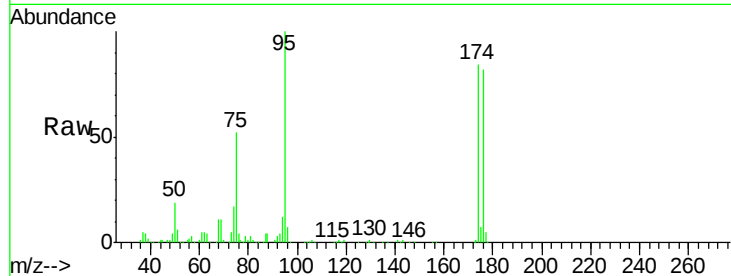
Tot Ion: 95 Resp: 143917

Ion Ratio Lower Upper

95 100

174 84.5 0.0 165.8

176 81.8 0.0 159.4



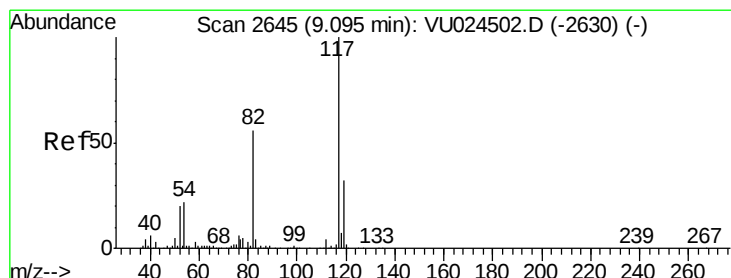
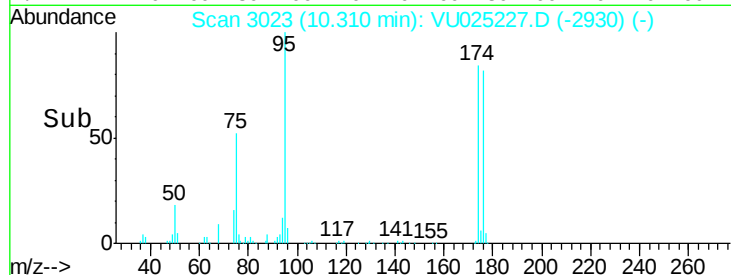
Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

Time-->

10.31



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

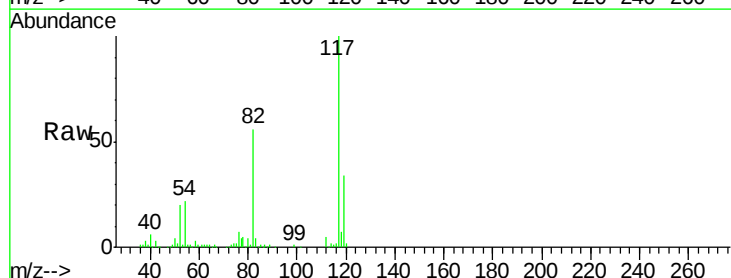
Tgt Ion: 117 Resp: 223352

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

119 33.6 25.4 38.2



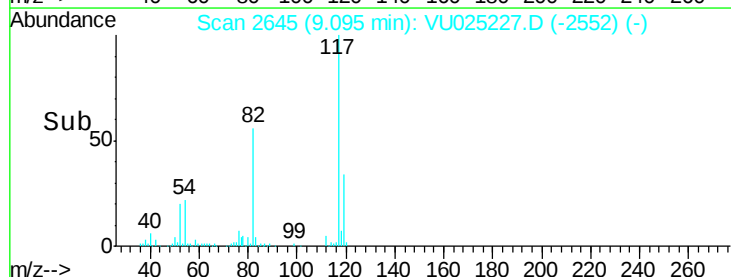
Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

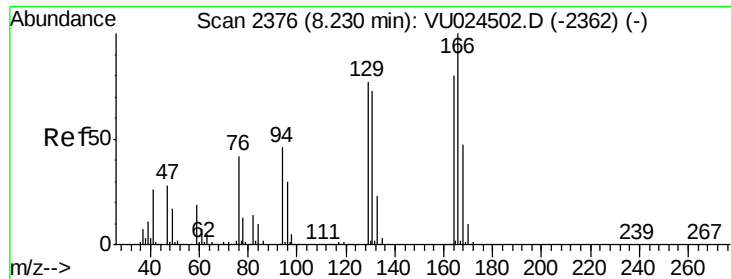
Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

Time-->

9.09





#64

Tetrachloroethene

Concen: 49.40 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 104885

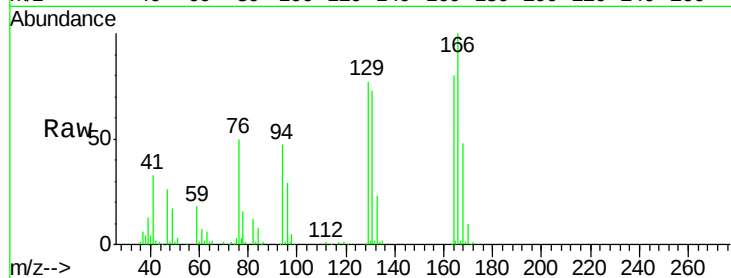
Ion Ratio Lower Upper

164 100

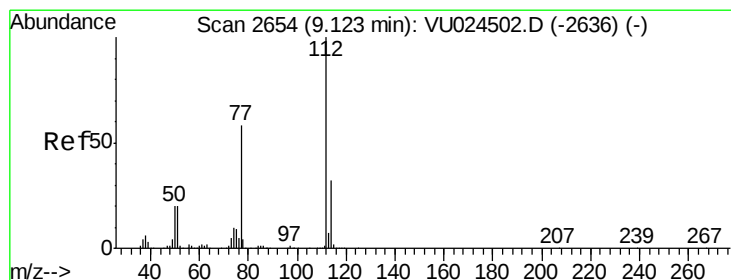
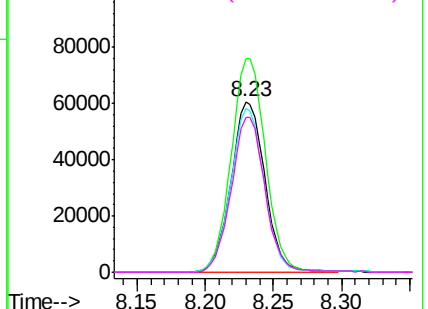
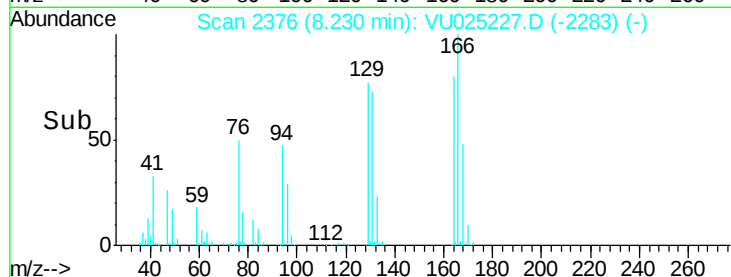
166 125.4 101.7 152.5

129 96.5 76.9 115.3

131 91.1 74.9 112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 61.39 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025227.D

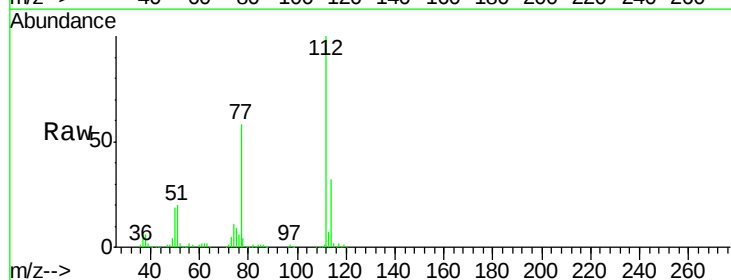
Acq: 05 Jul 2018 19:54

Tgt Ion:112 Resp: 350287

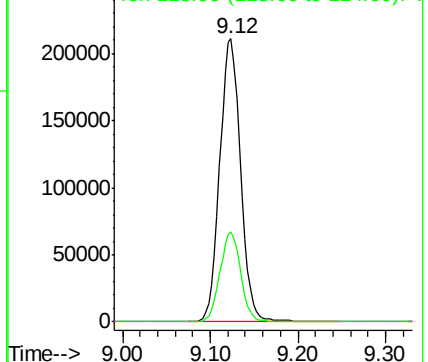
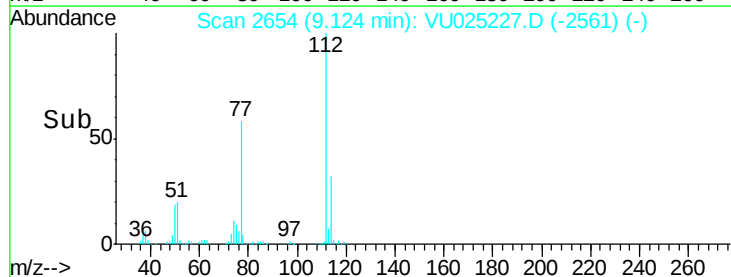
Ion Ratio Lower Upper

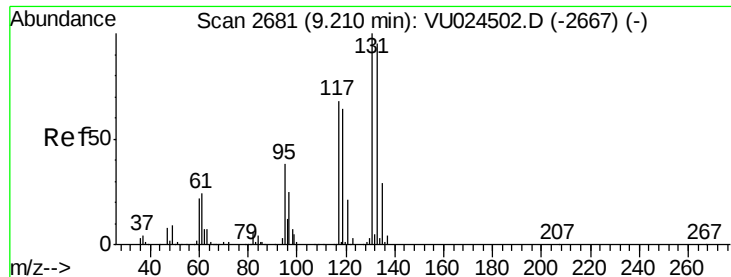
112 100

114 31.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 58.39 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

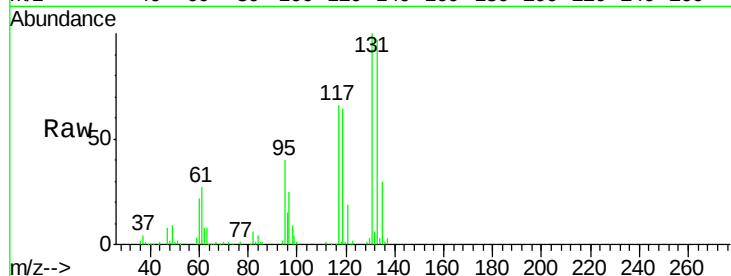
Tot Ion:131 Resp: 126584

Ion Ratio Lower Upper

131 100

133 96.6 46.9 140.8

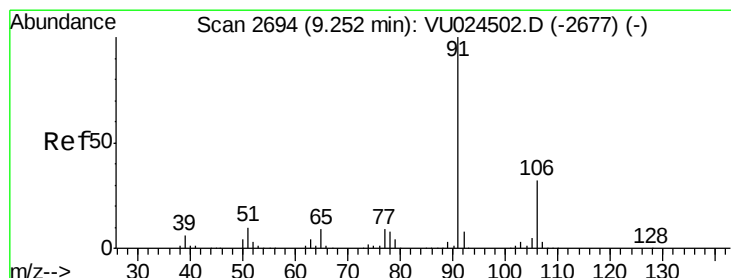
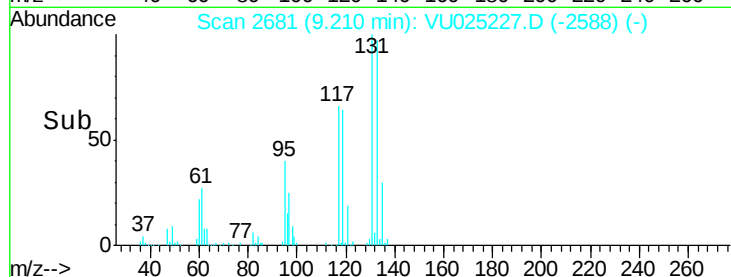
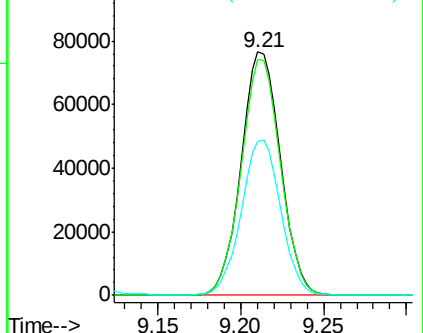
119 64.0 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 56.28 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025227.D

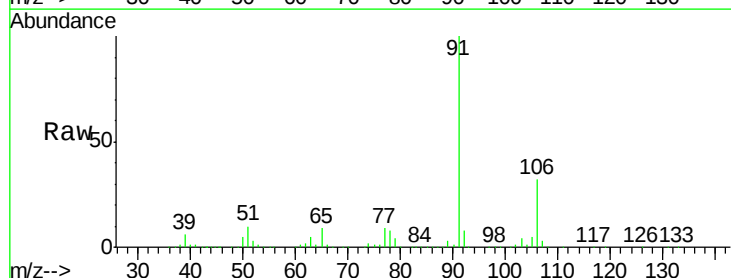
Acq: 05 Jul 2018 19:54

Tgt Ion: 91 Resp: 562928

Ion Ratio Lower Upper

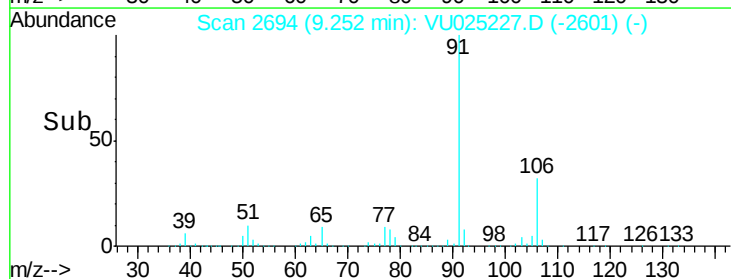
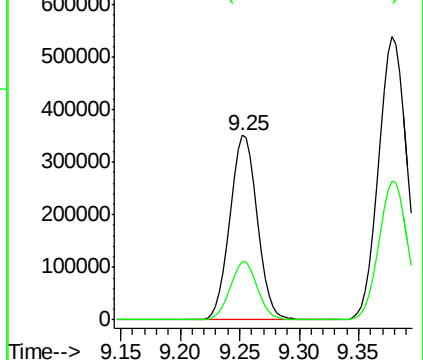
91 100

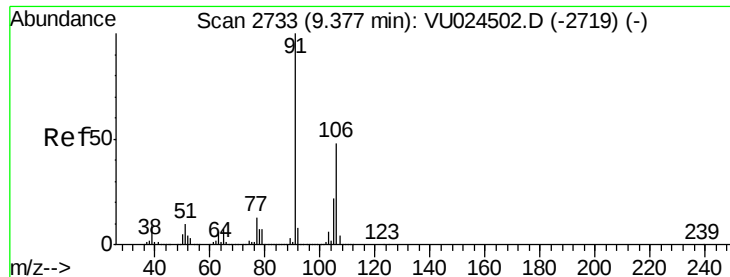
106 31.7 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

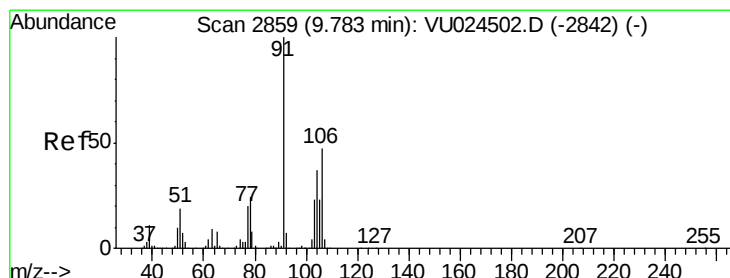
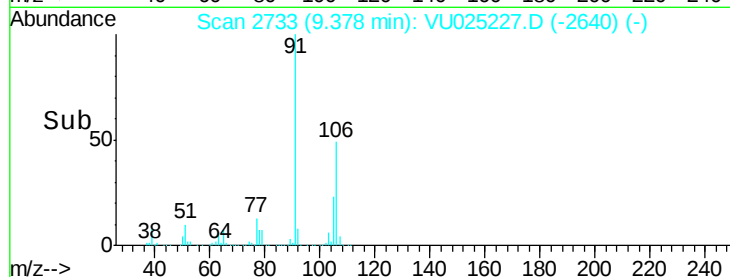
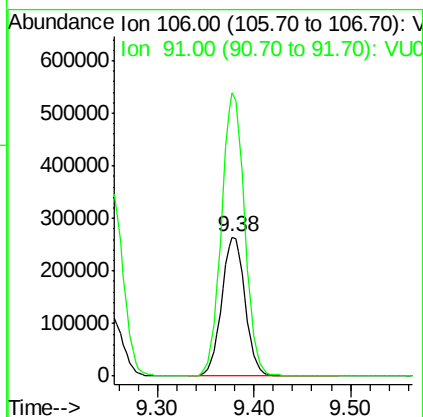
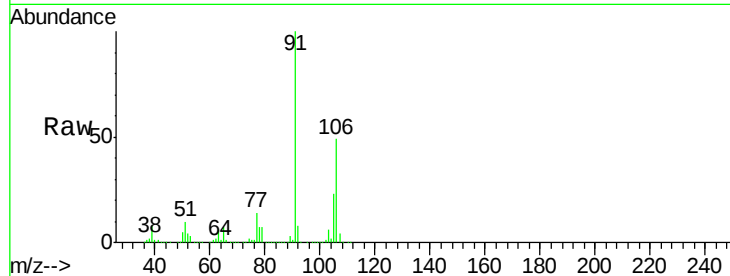




#68
m/p-Xylenes
Concen: 115.18 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

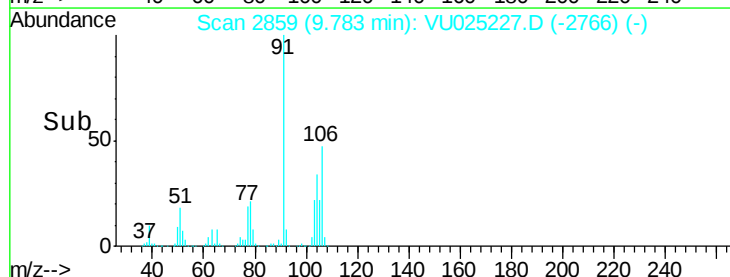
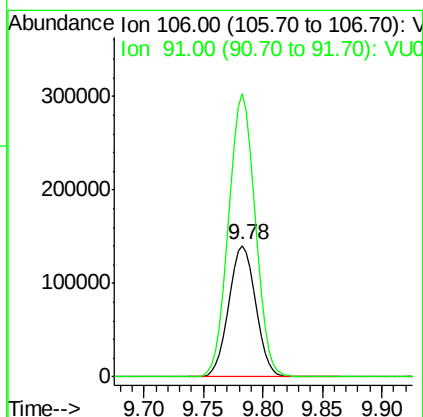
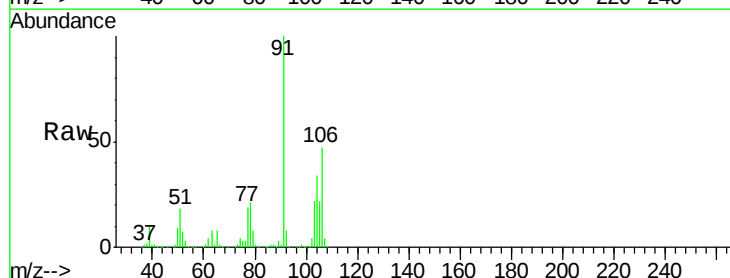
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 442421
Ion Ratio Lower Upper
106 100
91 202.4 166.5 249.7



#69
o-Xylene
Concen: 58.24 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion:106 Resp: 221383
Ion Ratio Lower Upper
106 100
91 213.9 110.7 331.9

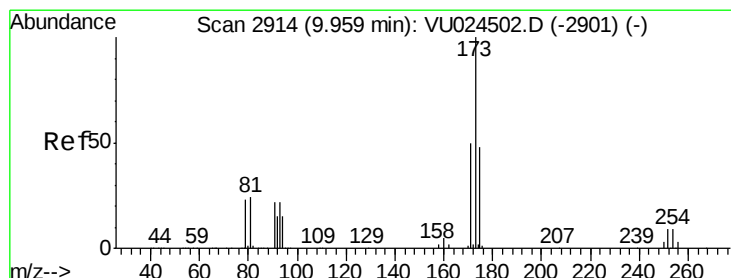
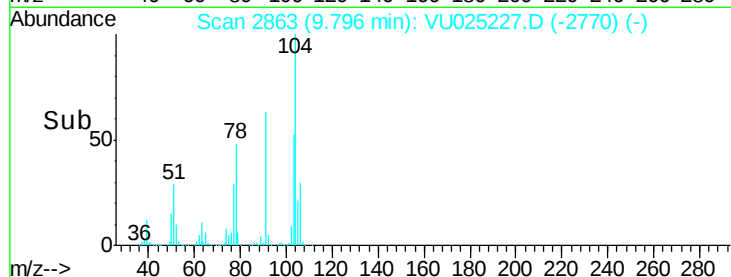
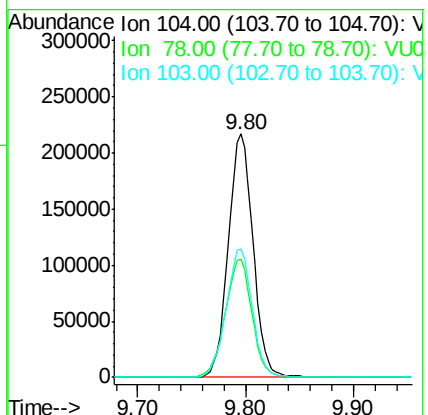
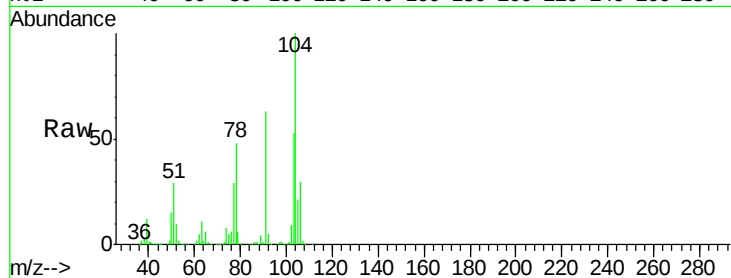




#70
Stvrene
Concen: 55.68 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

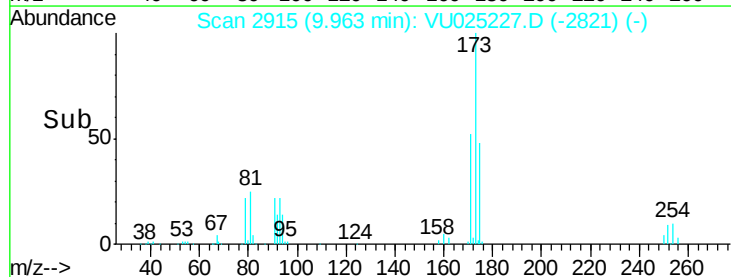
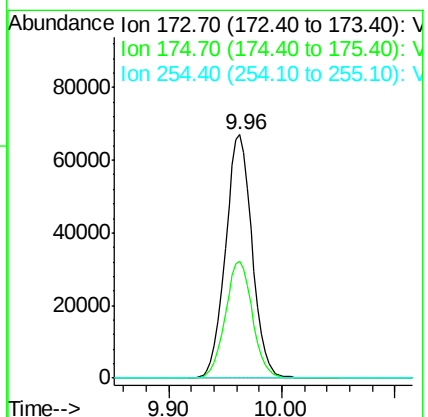
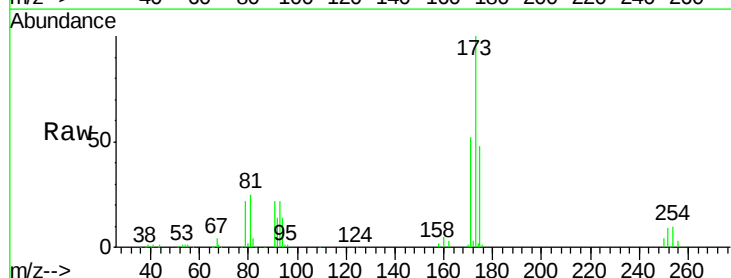
Instrument :
MSVOA_U
ClientSampled :

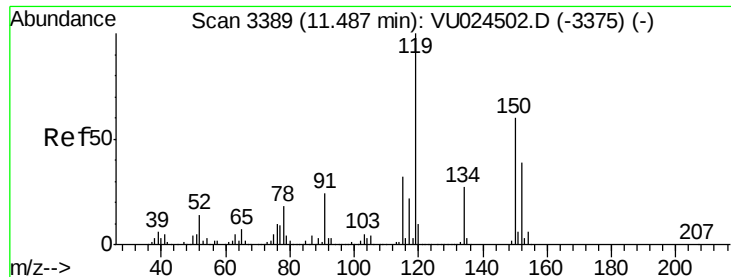
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	40.6	60.8
103	55.5	44.7	67.1



#71
Bromoform
Concen: 53.06 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

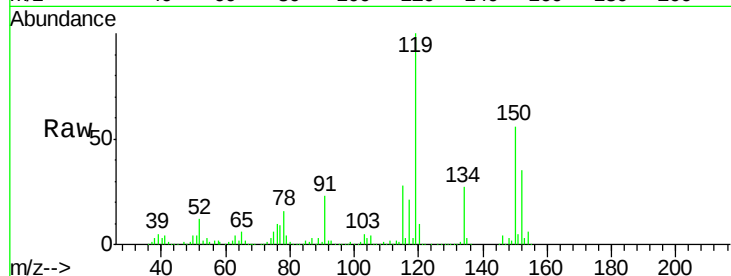
Tot Ion:152 Resp: 135204

Ion Ratio Lower Upper

152 100

115 86.8 43.0 129.0

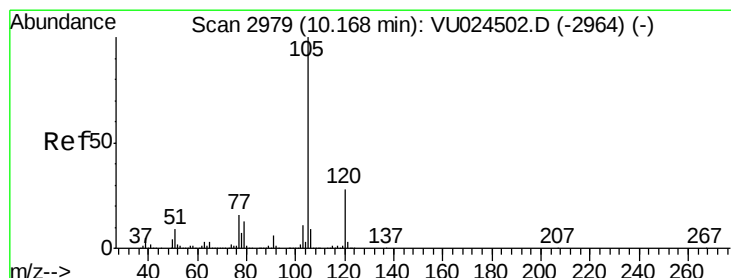
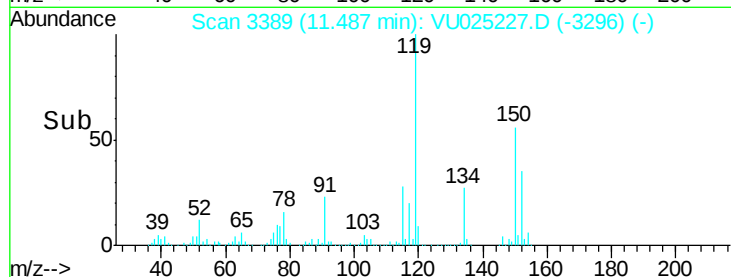
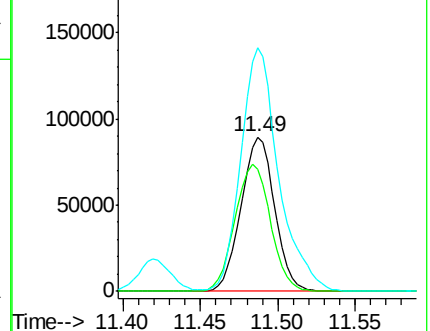
150 177.8 0.0 354.0



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: 57.97 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025227.D

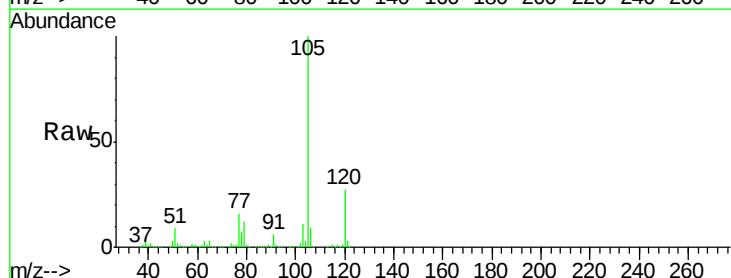
Acq: 05 Jul 2018 19:54

Tgt Ion:105 Resp: 601720

Ion Ratio Lower Upper

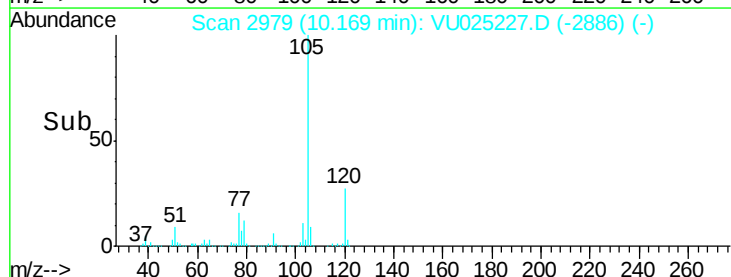
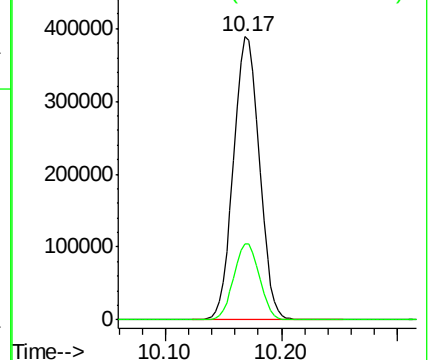
105 100

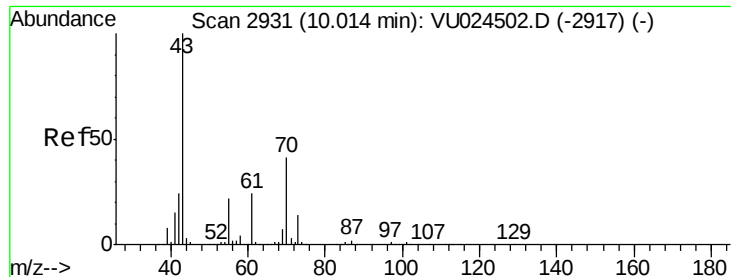
120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.74 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 255439

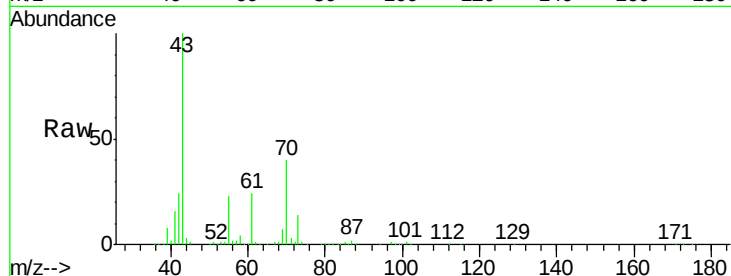
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 25.5 20.5 30.7

61 23.8 18.7 28.1

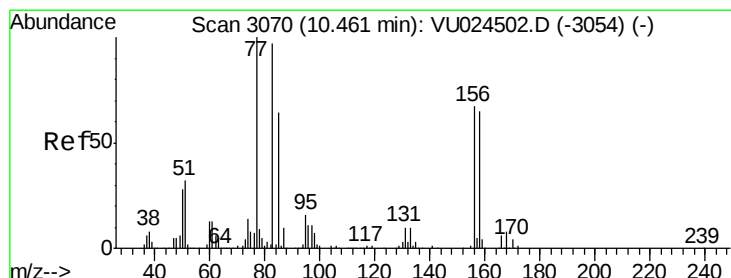
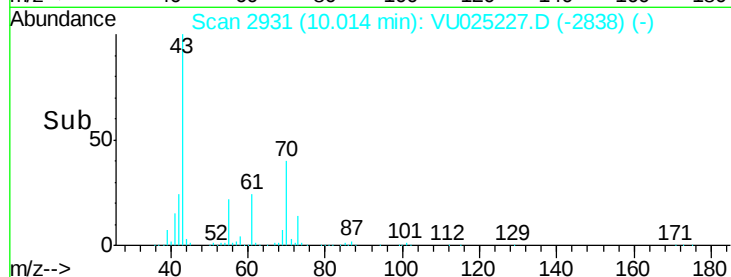
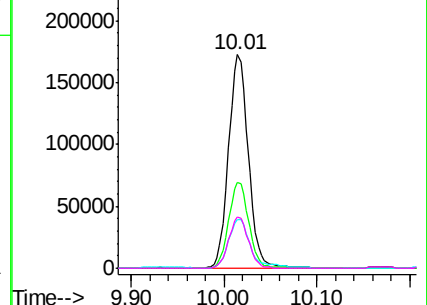


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 60.27 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

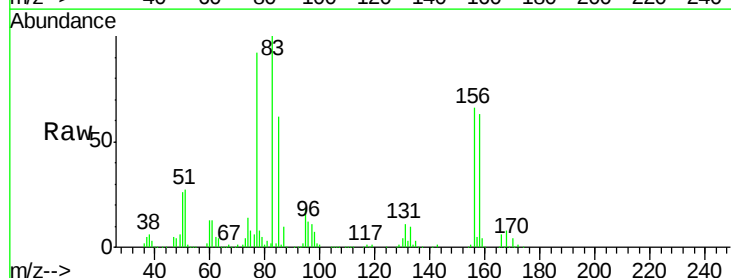
Tgt Ion: 83 Resp: 209654

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

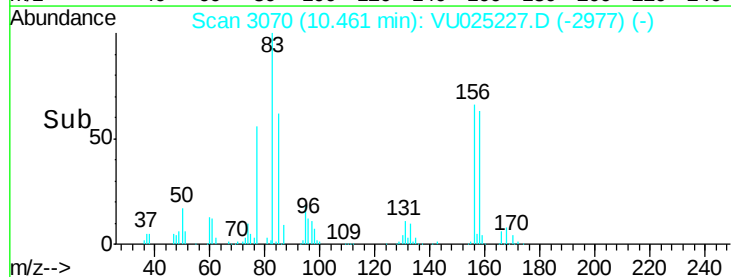
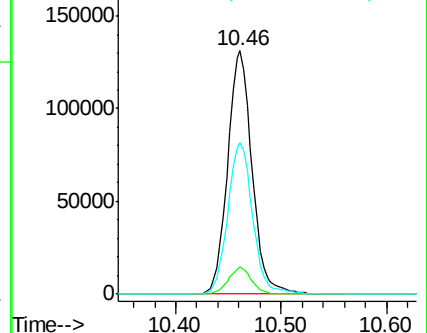
85 63.5 32.5 97.5

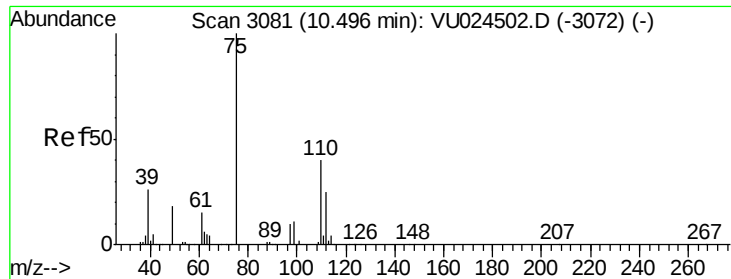


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 80.39 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

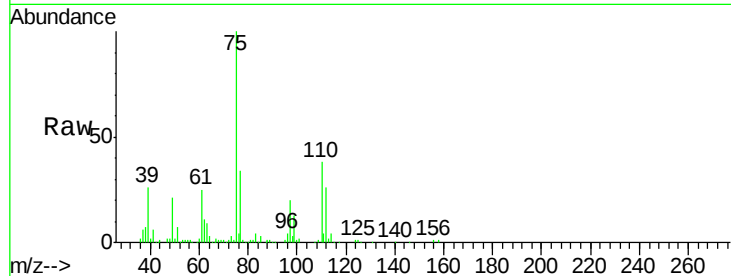
ClientSampleId :

Tot Ion: 75 Resp: 239294

Ion Ratio Lower Upper

75 100

77 32.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3072) (-)

150000

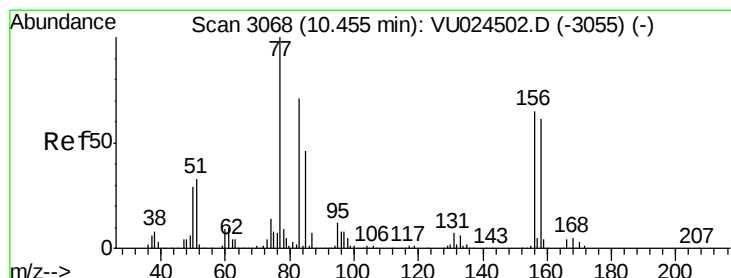
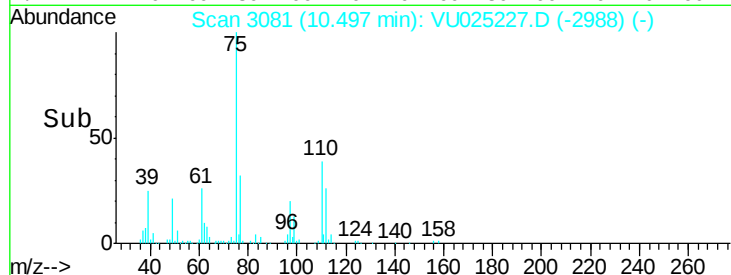
100000

50000

0

10.45 10.50 10.55 10.60

Time-->



#77

Bromobenzene

Concen: 58.67 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

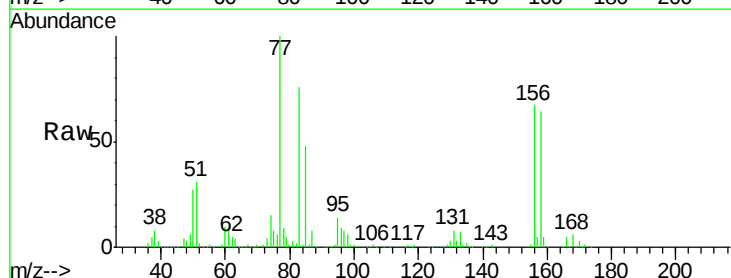
Tgt Ion: 156 Resp: 154175

Ion Ratio Lower Upper

156 100

77 148.4 80.5 241.3

158 95.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024502.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3055) (-)

Ion 157.80 (157.50 to 158.50): VU024502.D (-3055) (-)

200000

150000

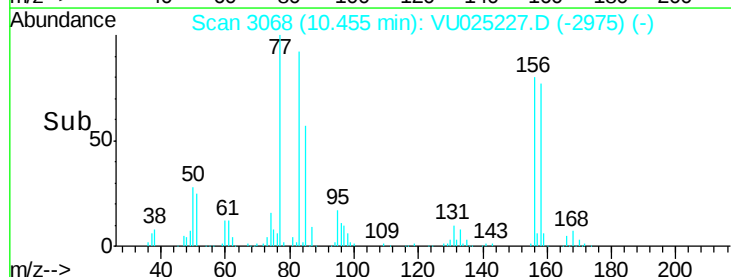
100000

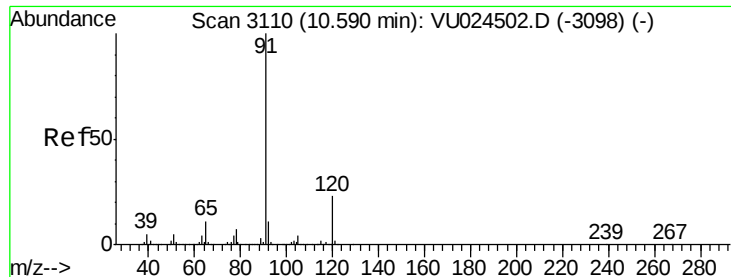
50000

0

10.40 10.45 10.50

Time-->





#78

n-propylbenzene

Concen: 55.59 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

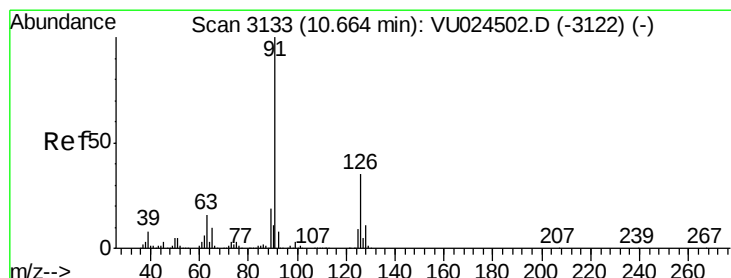
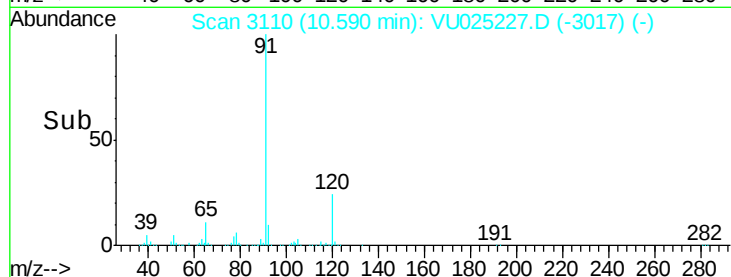
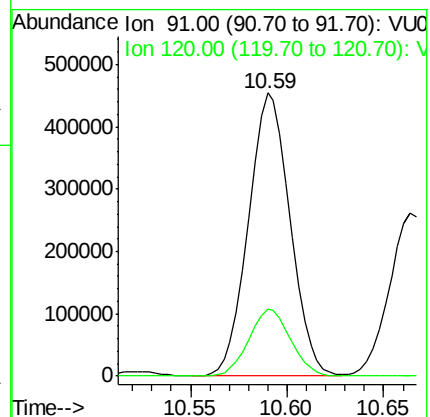
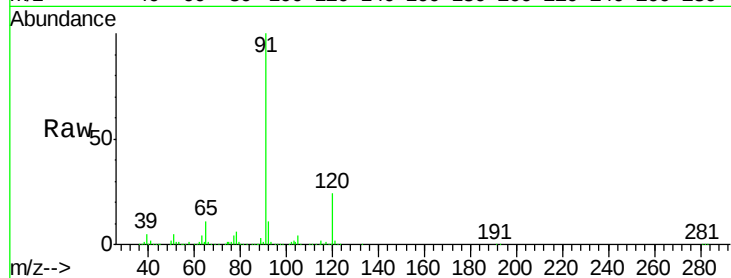
ClientSampled :

Tot Ion: 91 Resp: 679704

Ion Ratio Lower Upper

91 100

120 23.8 11.2 33.5



#79

2-Chlorotoluene

Concen: 56.06 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025227.D

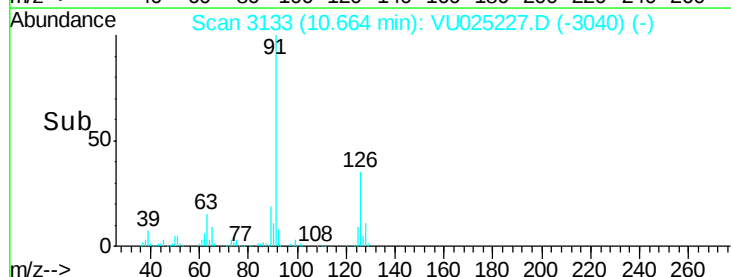
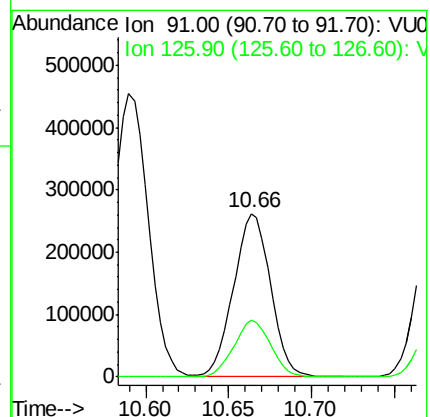
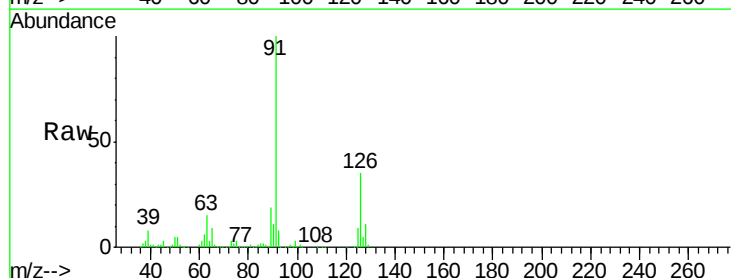
Acq: 05 Jul 2018 19:54

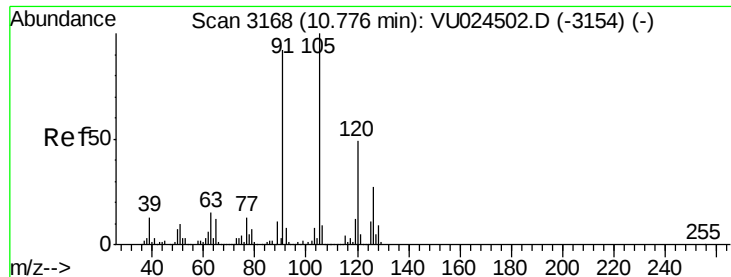
Tgt Ion: 91 Resp: 404216

Ion Ratio Lower Upper

91 100

126 34.8 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 55.48 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

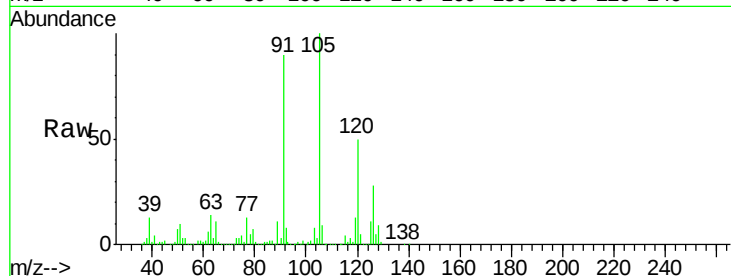
ClientSampled :

Tot Ion:105 Resp: 499131

Ion Ratio Lower Upper

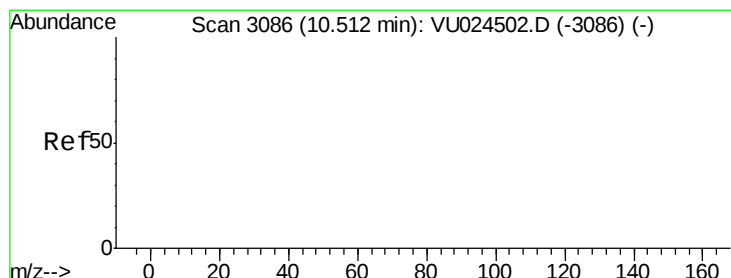
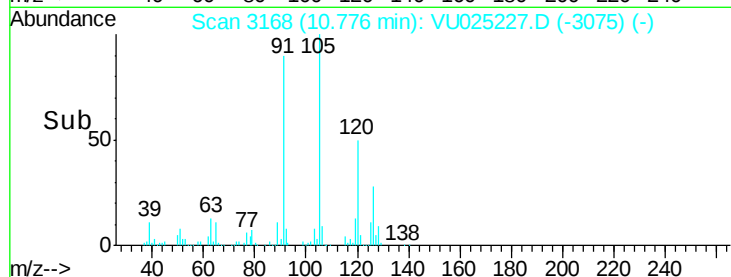
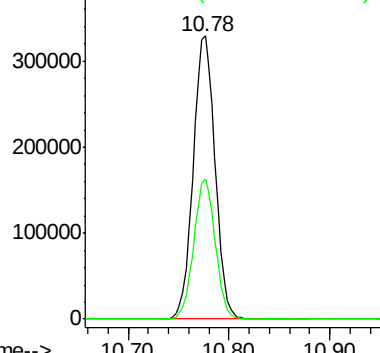
105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 186.05 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

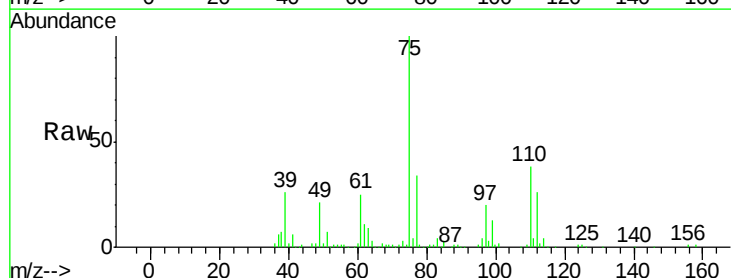
Tgt Ion: 75 Resp: 239294

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

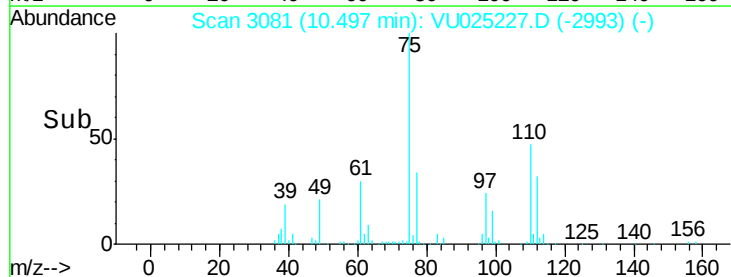
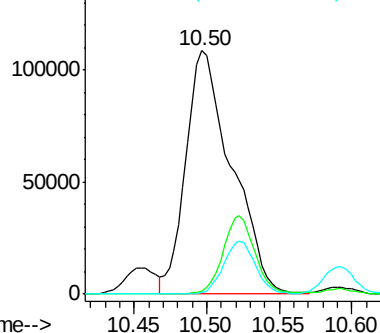
89 0.0 0.0 0.0

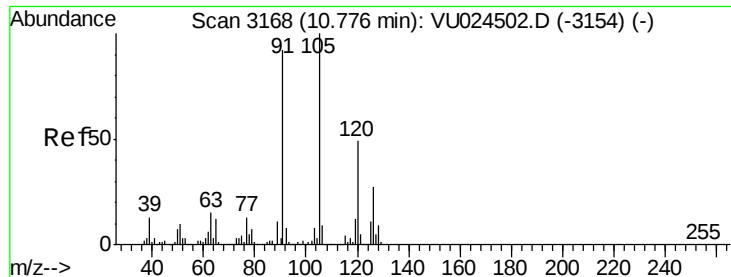


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

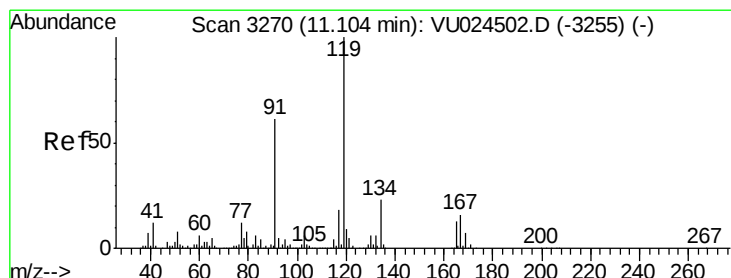
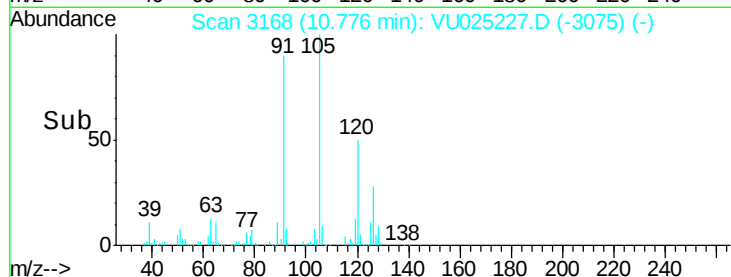
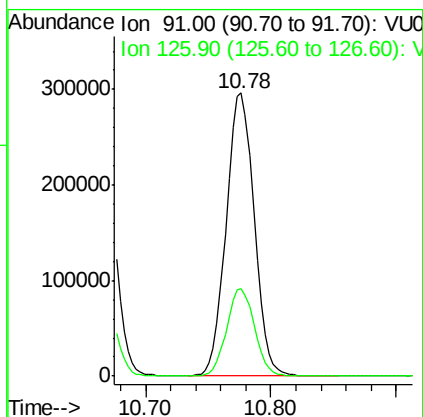
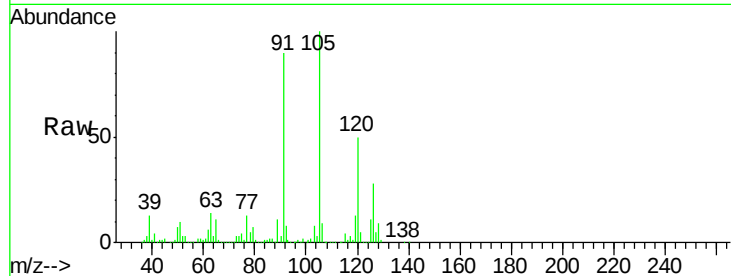




#82
4-Chlorotoluene
Concen: 54.56 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

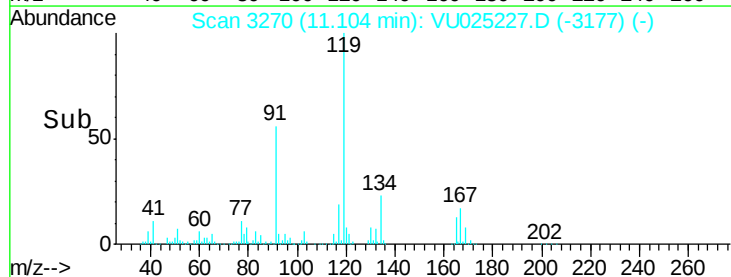
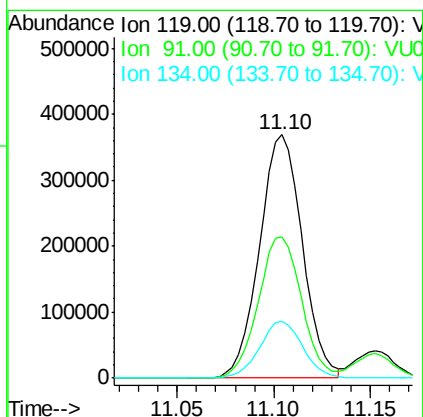
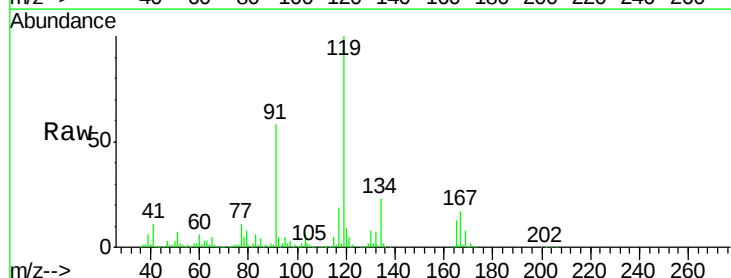
Instrument :
MSVOA_U
ClientSampleId :

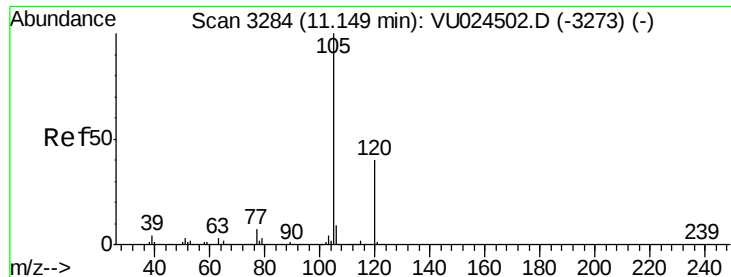
Tot Ion: 91 Resp: 457945
Ion Ratio Lower Upper
91 100
126 30.8 14.9 44.9



#83
tert-Butylbenzene
Concen: 65.83 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion: 119 Resp: 569758
Ion Ratio Lower Upper
119 100
91 58.9 29.7 89.1
134 23.3 11.6 34.7

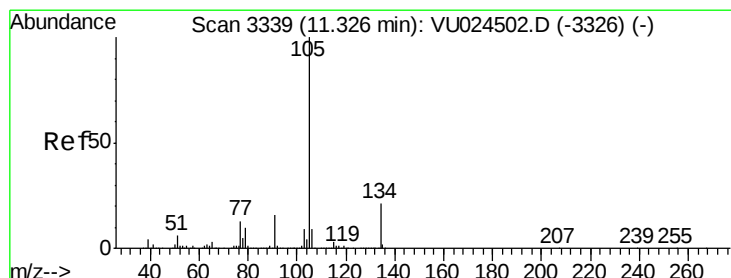
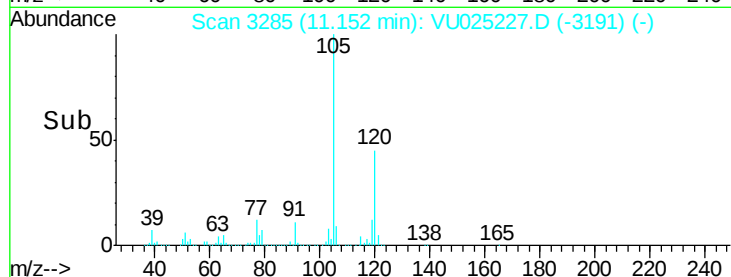
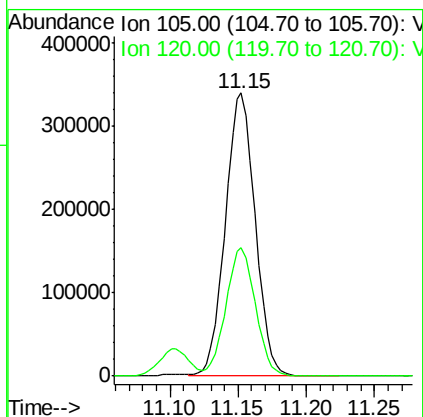
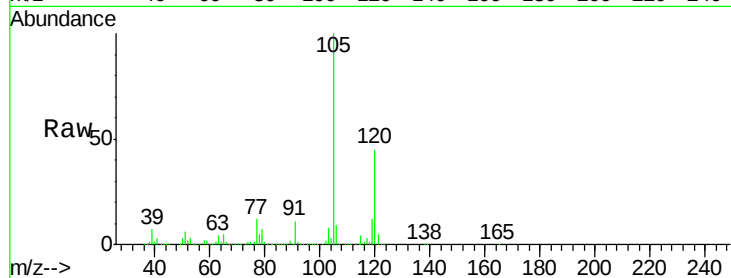




#84
 1,2,4-Trimethylbenzene
 Concen: 56.14 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

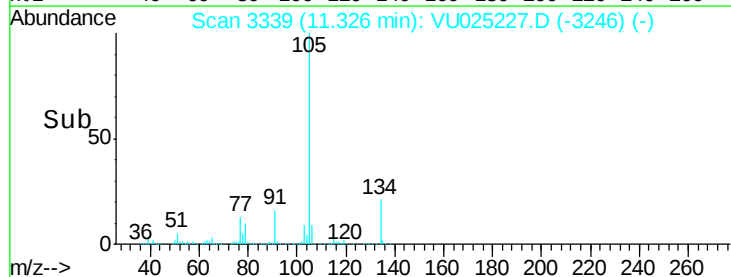
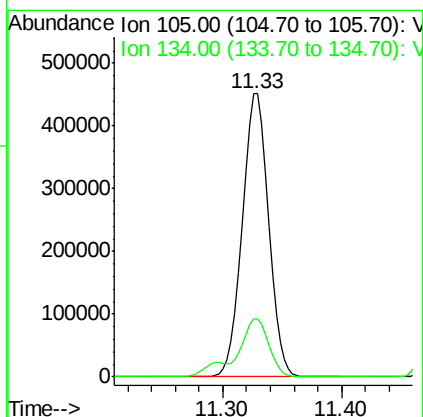
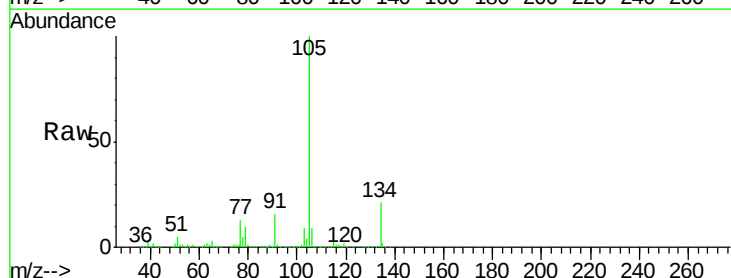
Instrument :
 MSVOA_U
 ClientSampleId :

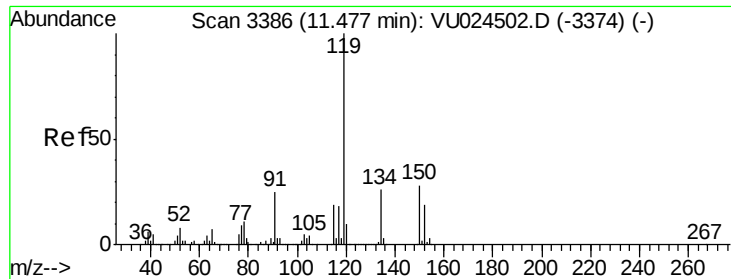
Tot Ion:105 Resp: 514720
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 63.94 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion:105 Resp: 692709
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.7 29.1

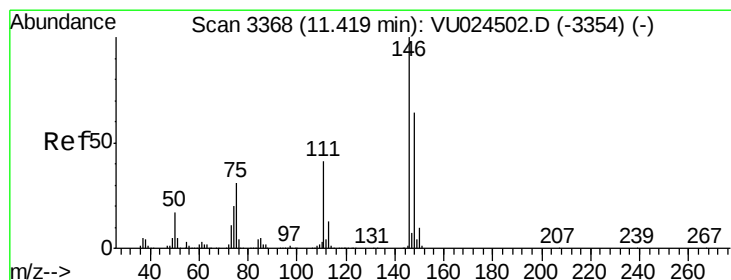
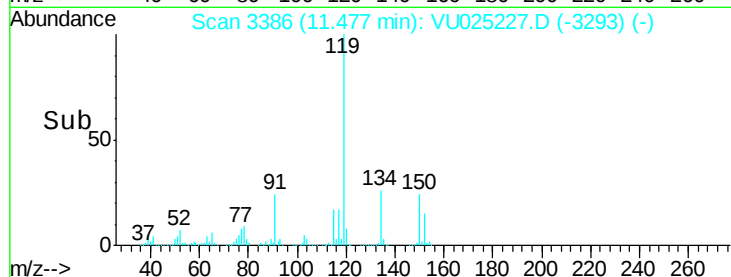
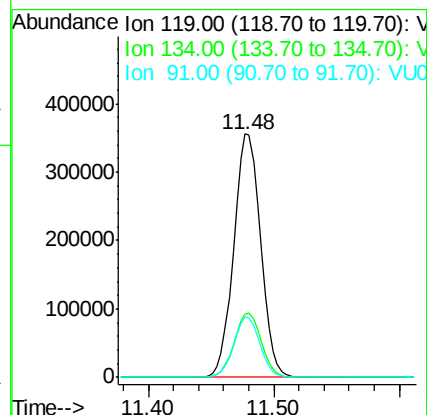
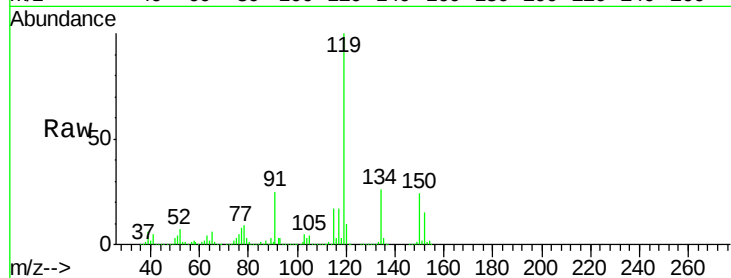




#86
p-Isopropyltoluene
Concen: 54.41 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

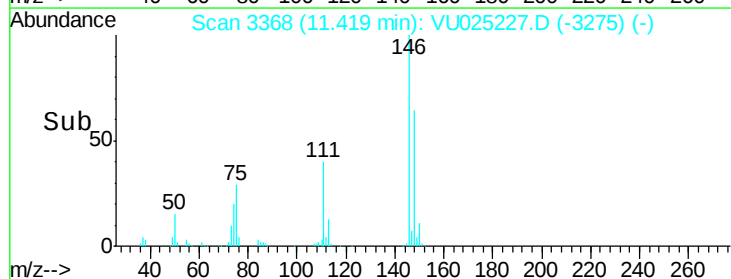
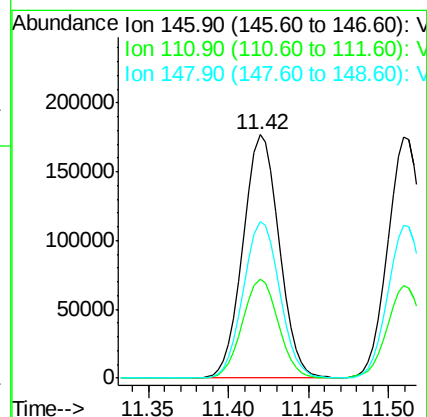
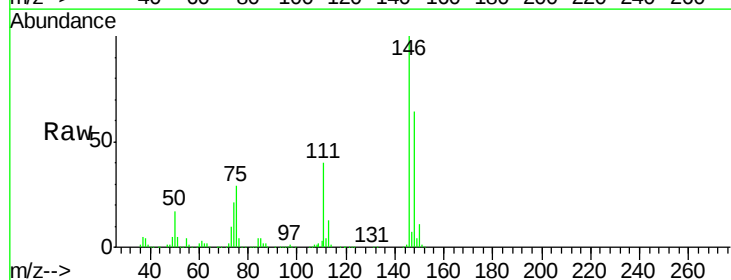
Instrument :
MSVOA_U
ClientSampleId :

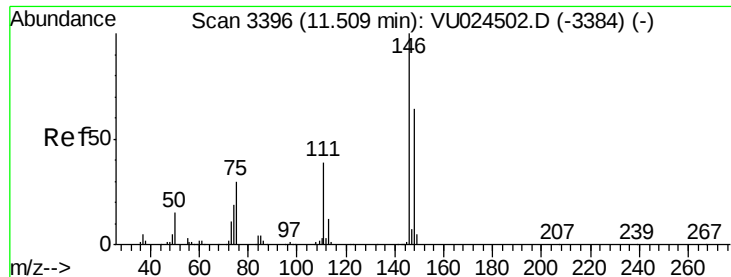
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.6
91	24.2	12.0	36.1



#87
1,3-Dichlorobenzene
Concen: 56.15 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025227.D
Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	64.7	32.1	96.5

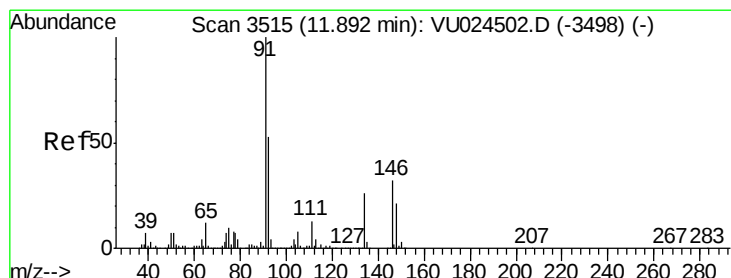
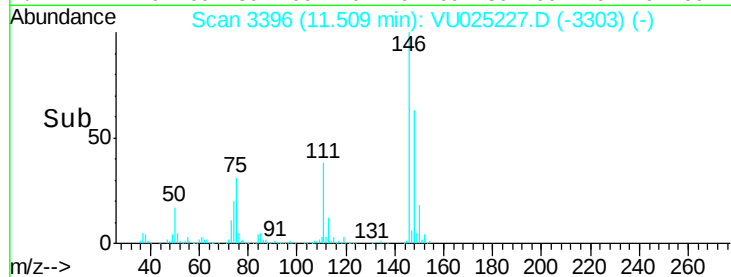
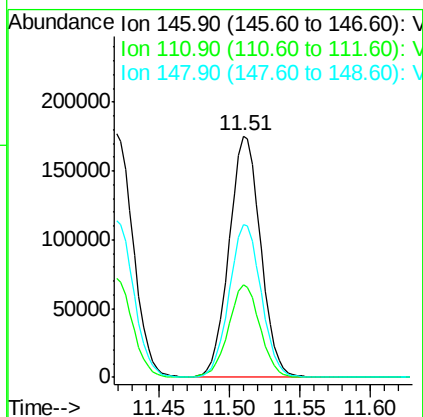
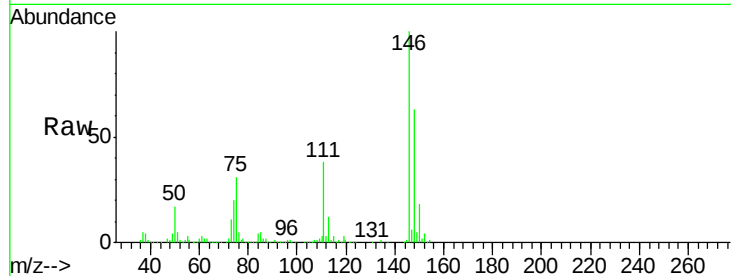




#88
 1,4-Dichlorobenzene
 Concen: 56.04 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

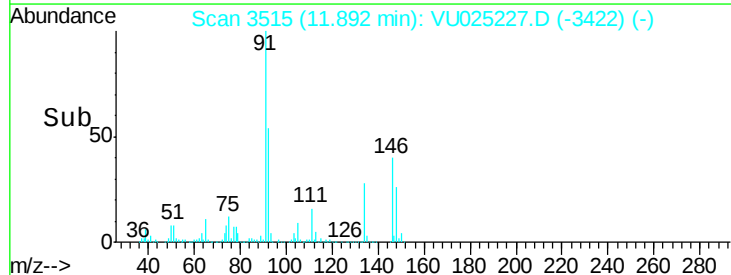
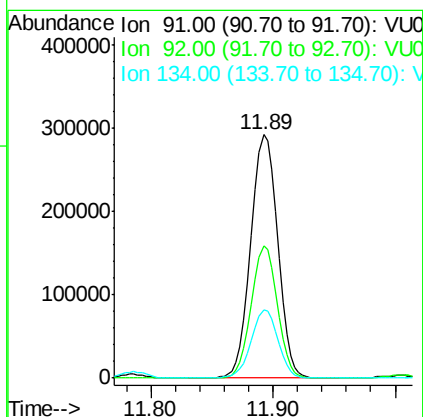
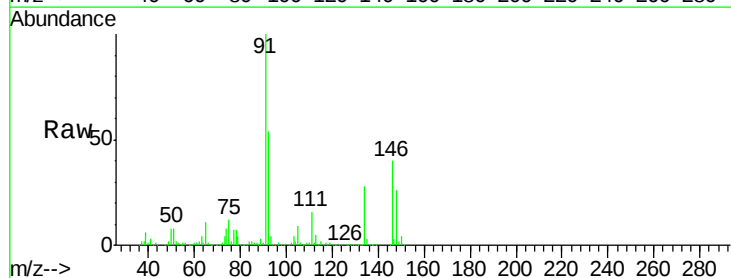
Instrument :
 MSVOA_U
 ClientSampled :

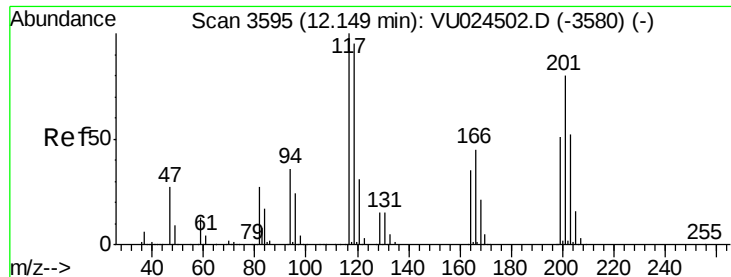
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.5	32.4	97.0



#89
 n-Butylbenzene
 Concen: 51.50 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.6	76.8
134	28.0	12.3	36.8





#90

Hexachloroethane

Concen: 50.40 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

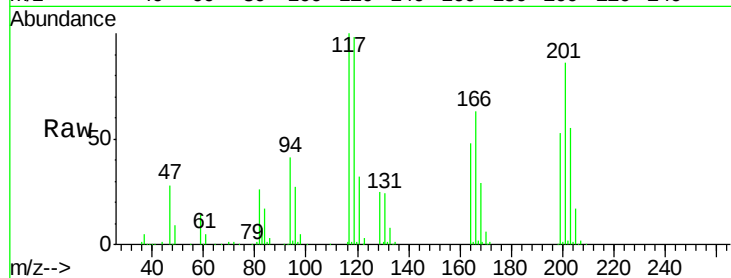
ClientSampleId :

Tot Ion:117 Resp: 95392

Ion Ratio Lower Upper

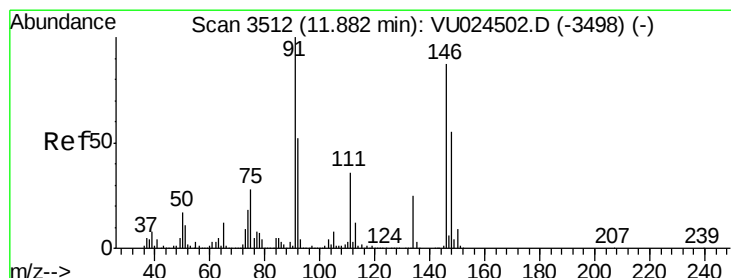
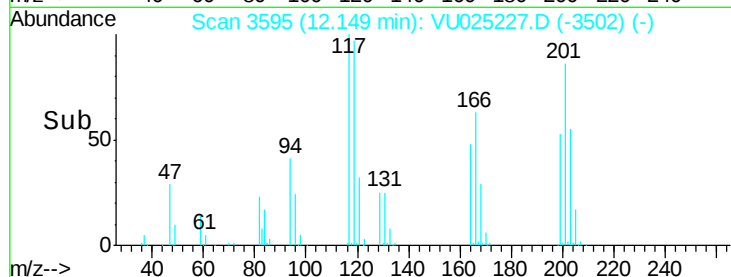
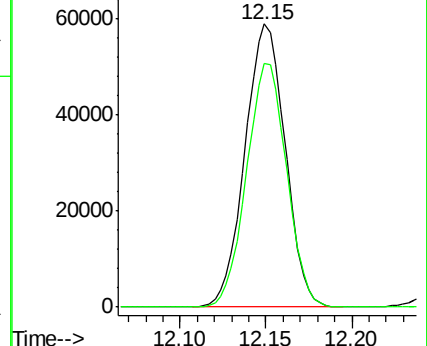
117 100

201 85.7 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 58.35 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

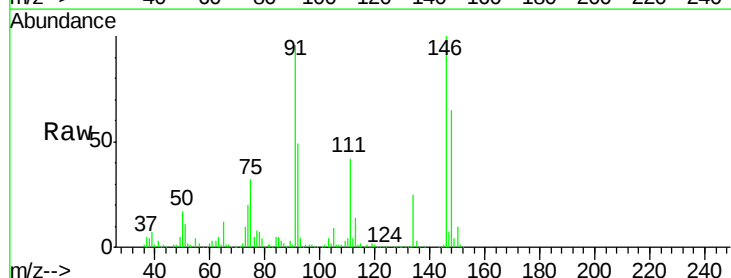
Tgt Ion:146 Resp: 283738

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.6

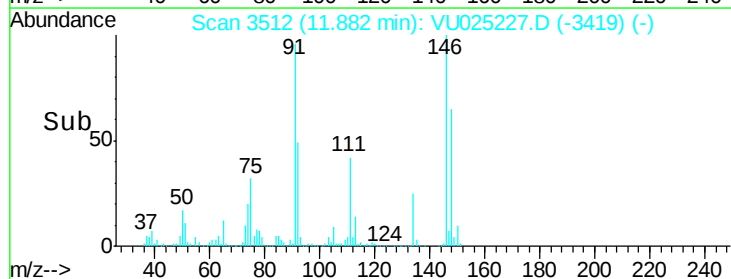
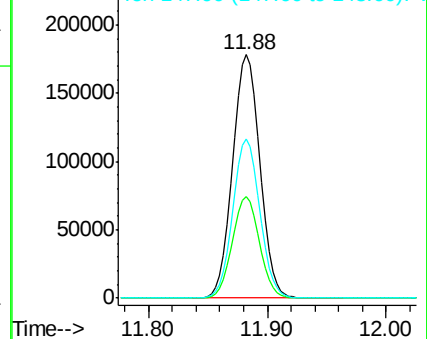
148 64.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

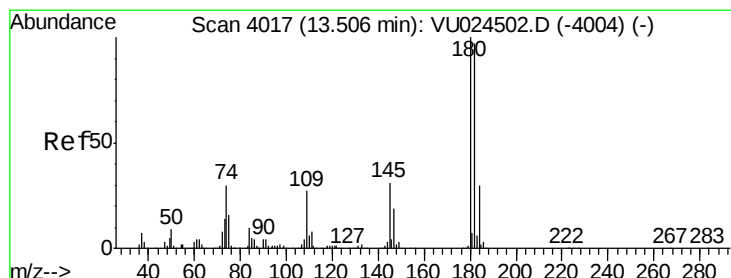
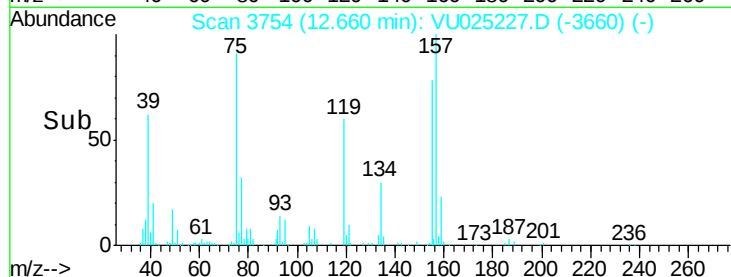
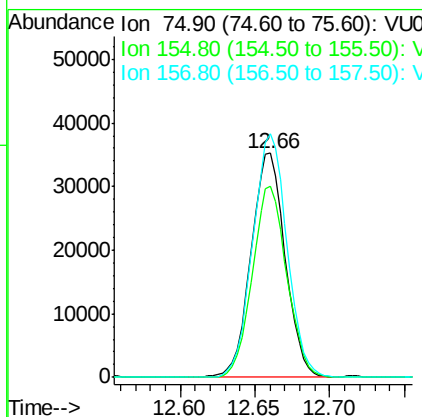
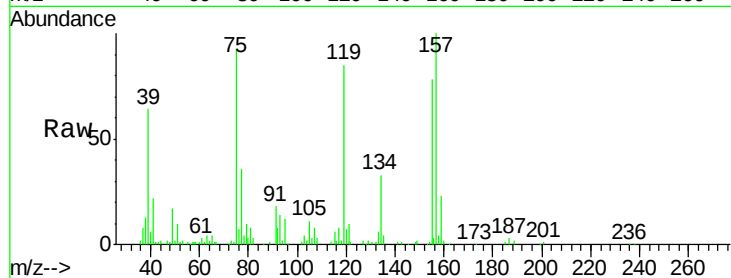




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.37 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

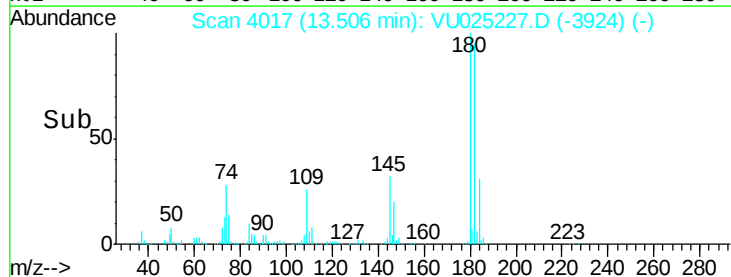
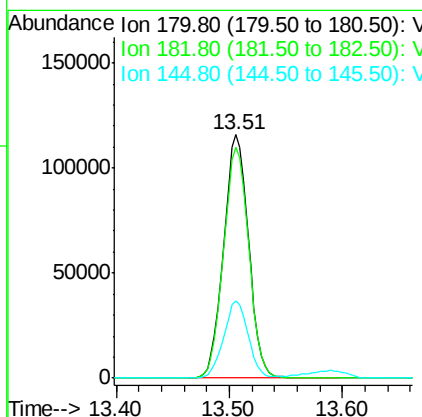
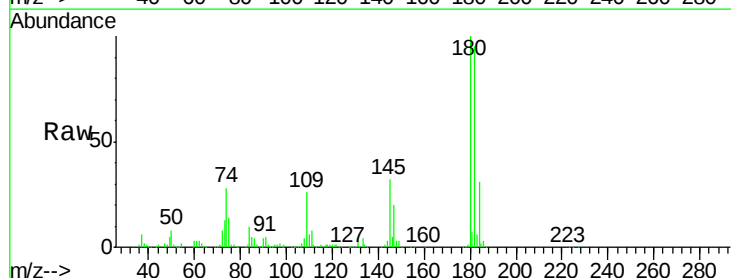
Instrument :
 MSVOA_U
 ClientSampled :

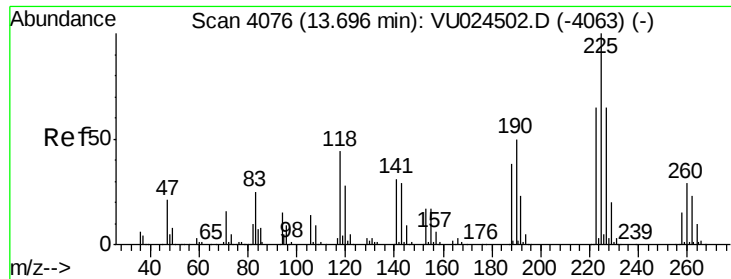
Tot Ion: 75 Resp: 56026
 Ion Ratio Lower Upper
 75 100
 155 85.5 40.4 121.2
 157 109.0 52.3 156.8



#93
 1,2,4-Trichlorobenzene
 Concen: 59.33 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Tgt Ion: 180 Resp: 178178
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 30.9 14.7 44.1





#94

Hexachlorobutadiene

Concen: 56.24 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

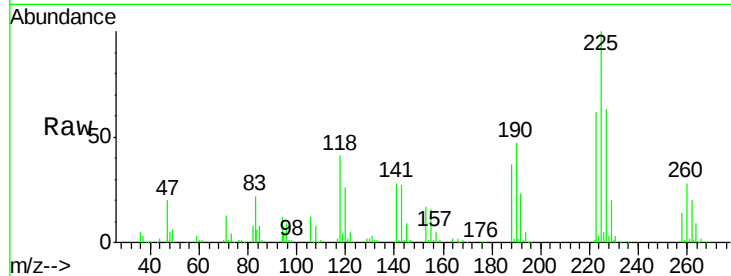
Tot Ion:225 Resp: 95064

Ion Ratio Lower Upper

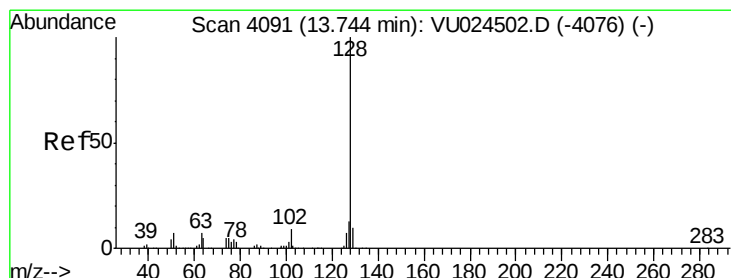
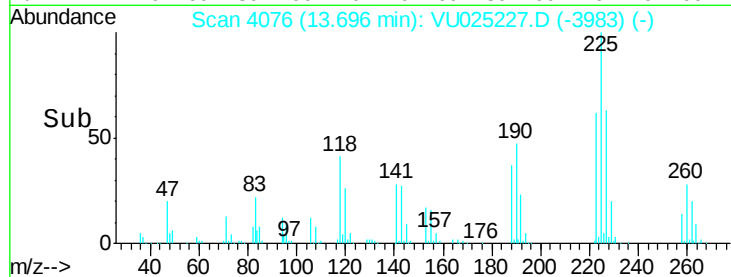
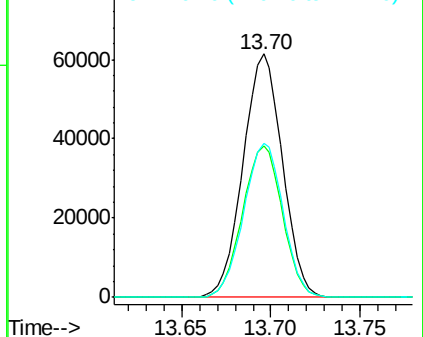
225 100

223 62.7 31.3 93.8

227 63.2 31.8 95.4



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



#95

Naphthalene

Concen: 63.14 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025227.D

Acq: 05 Jul 2018 19:54

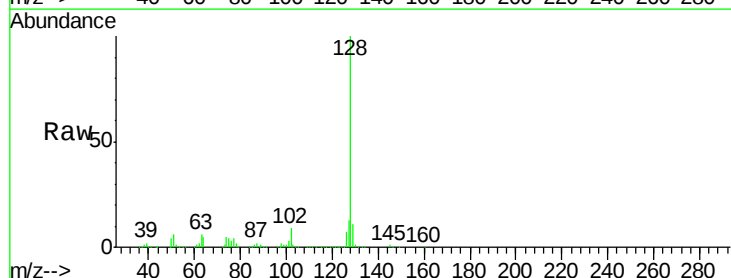
Tgt Ion:128 Resp: 629531

Ion Ratio Lower Upper

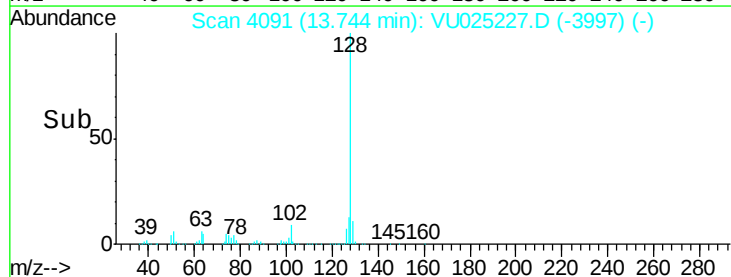
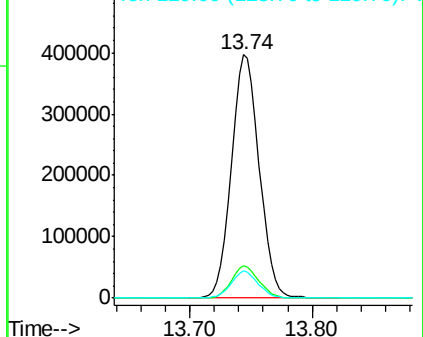
128 100

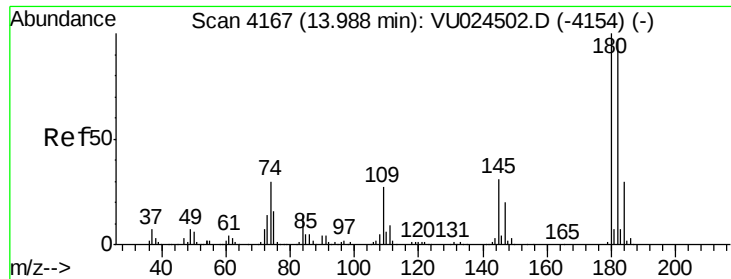
127 13.0 10.6 16.0

129 10.9 8.6 12.8



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

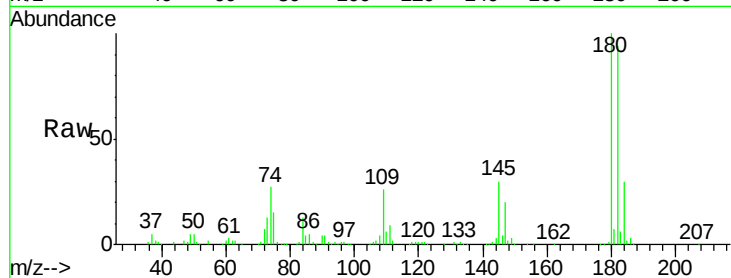




#96
 1,2,3-Trichlorobenzene
 Concen: 64.48 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025227.D
 Acq: 05 Jul 2018 19:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	32.0	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

