

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024916.D
 Acq On : 26 Jun 2018 08:15
 Operator : MD/SY
 Sample : VU0625MBSD02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Quant Time: Jun 26 08:42:51 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	172404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	266543	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	249337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139137	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	140589	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.89	113	110791	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.57	98	382402	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	149320	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	39790	18.439	ug/l	97
3) Chloromethane	1.33	50	41201	18.688	ug/l	98
4) Vinyl Chloride	1.41	62	43792	19.261	ug/l	98
5) Bromomethane	1.63	94	28114	25.579	ug/l	97
6) Chloroethane	1.70	64	30045	23.081	ug/l	100
7) Trichlorofluoromethane	1.89	101	72070	20.771	ug/l	99
8) Diethyl Ether	2.10	74	28134	22.802	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42703	19.838	ug/l	97
10) Methyl Iodide	2.42	142	38597	24.234	ug/l	99
11) Tert butyl alcohol	2.83	59	66664	97.388	ug/l	98
12) 1,1-Dichloroethene	2.29	96	38726	19.727	ug/l	99
13) Acrolein	2.20	56	15973	44.436	ug/l	96
14) Allyl chloride	2.60	41	73030	20.036	ug/l	93
15) Acrylonitrile	2.94	53	132715	99.650	ug/l	99
16) Acetone	2.32	43	129324	85.518	ug/l	99
17) Carbon Disulfide	2.48	76	101196	16.099	ug/l	97
18) Methyl Acetate	2.62	43	76671	23.650	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	156832	21.253	ug/l	97
20) Methylene Chloride	2.71	84	53458	22.529	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	42586	19.696	ug/l	99
22) Diisopropyl ether	3.57	45	150385	20.813	ug/l	94
23) Vinyl Acetate	3.53	43	600489	92.775	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85221	20.503	ug/l	99
25) 2-Butanone	4.26	43	189512	93.297	ug/l	96
26) 2,2-Dichloropropane	4.23	77	57620	14.599	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52021	20.928	ug/l	96
28) Bromochloromethane	4.55	49	41740	22.798	ug/l	89
29) Tetrahydrofuran	4.64	42	123575	98.238	ug/l	96
30) Chloroform	4.68	83	89948	21.380	ug/l	99
31) Cyclohexane	5.00	56	76596	19.549	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	84076	21.611	ug/l	96
36) 1,1-Dichloropropene	5.14	75	60990	19.473	ug/l	97
37) Ethyl Acetate	4.38	43	73005	21.386	ug/l	97
38) Carbon Tetrachloride	5.14	117	71516	20.764	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	73488	18.802	ug/l	96
40) Benzene	5.39	78	186532	20.901	ug/l	98
41) Methacrylonitrile	4.54	41	39034	21.208	ug/l	96
42) 1,2-Dichloroethane	5.41	62	76151	22.403	ug/l	99
43) Isopropyl Acetate	5.55	43	118933	20.155	ug/l	99
44) Trichloroethene	6.19	130	50466	19.869	ug/l	94
45) 1,2-Dichloropropane	6.44	63	50627	21.260	ug/l	99
46) Dibromomethane	6.56	93	36782	21.990	ug/l	95
47) Bromodichloromethane	6.76	83	69845	20.970	ug/l	97
48) Methyl methacrylate	6.63	41	60559	21.076	ug/l	97
49) 1,4-Dioxane	6.63	88	27603	491.227	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	383184	103.362	ug/l	98
52) Toluene	7.64	92	119067	20.737	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	70787	18.925	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	73730	18.499	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	50233	21.522	ug/l	97
56) Ethyl methacrylate	8.02	69	80466	20.598	ug/l	98
57) 1,3-Dichloropropane	8.25	76	84520	21.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	67924	45.385	ug/l	96
59) 2-Hexanone	8.36	43	293432	96.952	ug/l	100
60) Dibromochloromethane	8.48	129	55242	18.980	ug/l	99
61) 1,2-Dibromoethane	8.59	107	54039	20.802	ug/l	100
64) Tetrachloroethene	8.23	164	53805	22.702	ug/l	97
65) Chlorobenzene	9.12	112	136265	21.393	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51949	21.467	ug/l	97
67) Ethyl Benzene	9.25	91	231164	20.702	ug/l	97
68) m/p-Xylenes	9.38	106	178905	41.723	ug/l	97
69) o-Xylene	9.78	106	89480	21.086	ug/l	96
70) Styrene	9.80	104	144389	20.705	ug/l	98
71) Bromoform	9.96	173	42796	18.606	ug/l #	99
73) Isopropylbenzene	10.17	105	240102	22.477	ug/l	100
74) N-amyl acetate	10.01	43	102404	20.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	81550	22.781	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	92330	30.141	ug/l	84
77) Bromobenzene	10.45	156	61761	22.837	ug/l	95
78) n-propylbenzene	10.59	91	265620	21.108	ug/l	97
79) 2-Chlorotoluene	10.66	91	163964	22.095	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	200557	21.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	92330	69.758	ug/l #	100
82) 4-Chlorotoluene	10.77	91	183983	21.301	ug/l	100
83) tert-Butylbenzene	11.10	119	203784	22.881	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	208306	22.076	ug/l	98
85) sec-Butylbenzene	11.33	105	242519	21.754	ug/l	98
86) p-Isopropyltoluene	11.48	119	209974	21.030	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	106466	21.309	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	107552	21.387	ug/l	99
89) n-Butylbenzene	11.89	91	165831	18.707	ug/l	99
90) Hexachloroethane	12.15	117	36872	18.930	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	111659	22.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21108	21.370	ug/l	98

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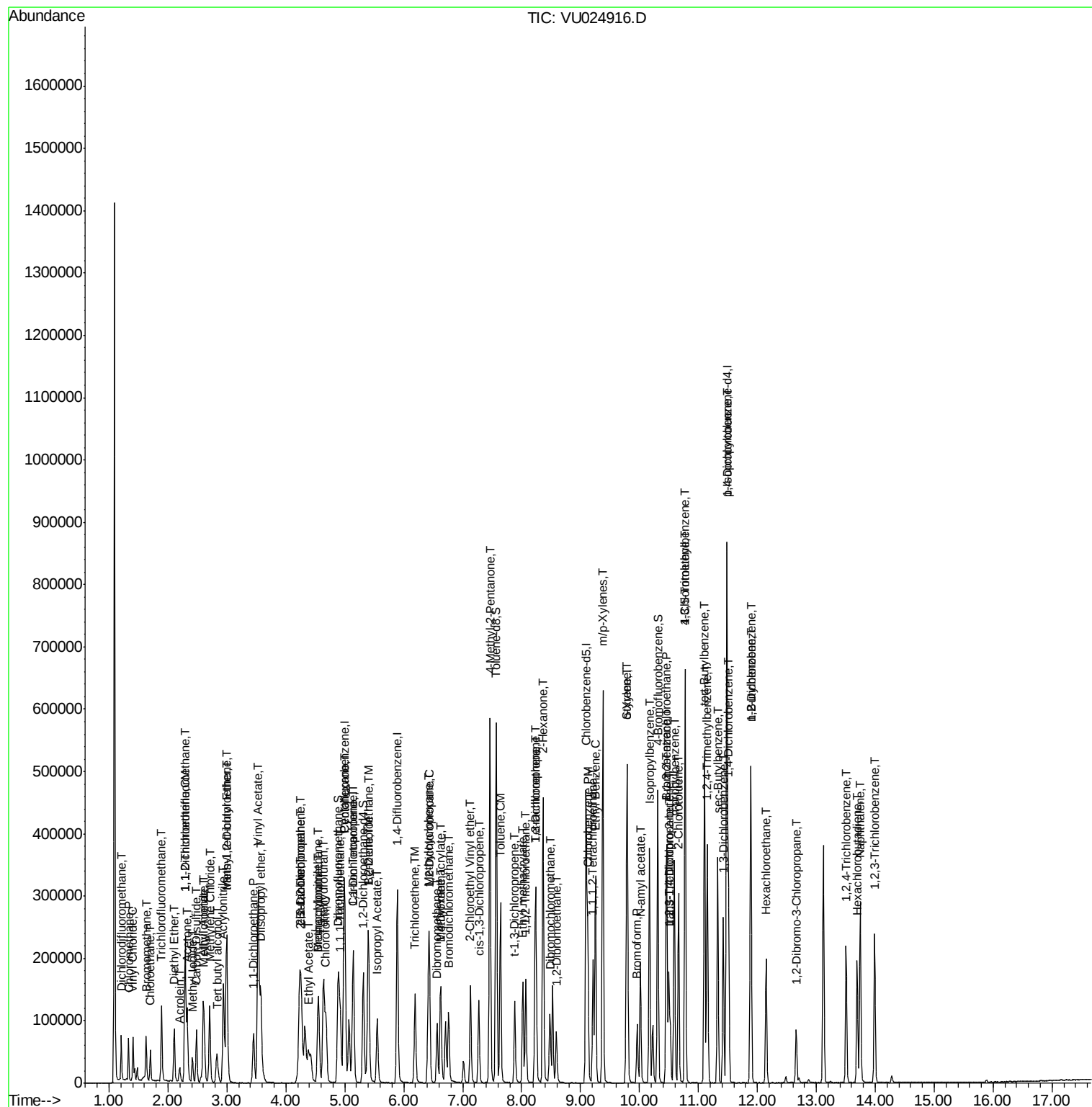
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	69119	22.366	ug/l	98
94) Hexachlorobutadiene	13.70	225	36958	21.247	ug/l	99
95) Naphthalene	13.74	128	232636	23.109	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75749	24.599	ug/l	100

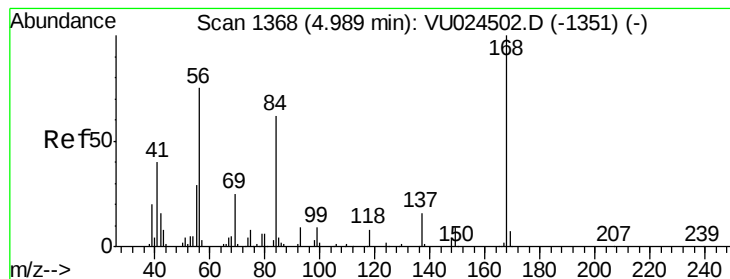
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

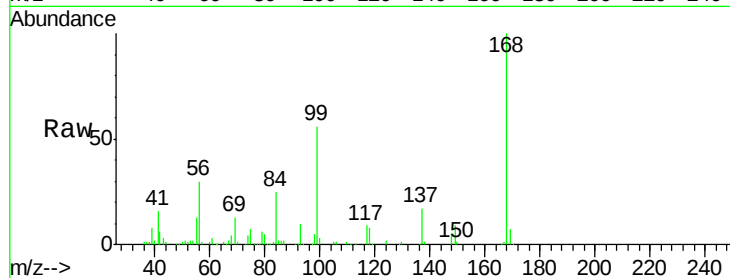
VU0625MBSD02

Tgt Ion:168 Resp: 172404

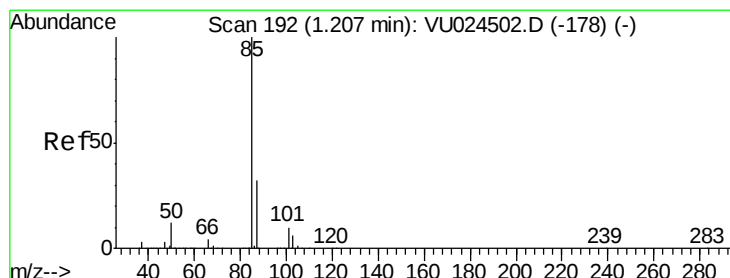
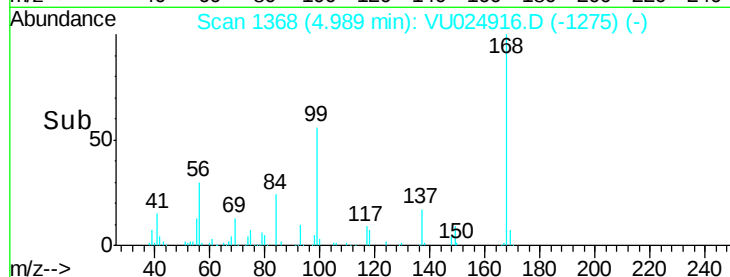
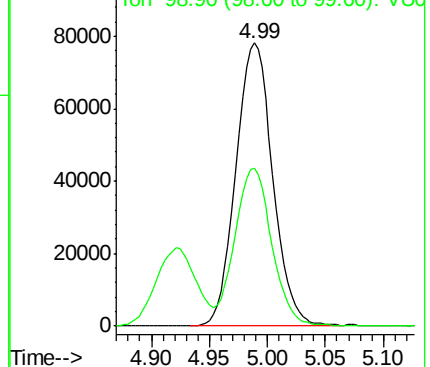
Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 18.439 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024916.D

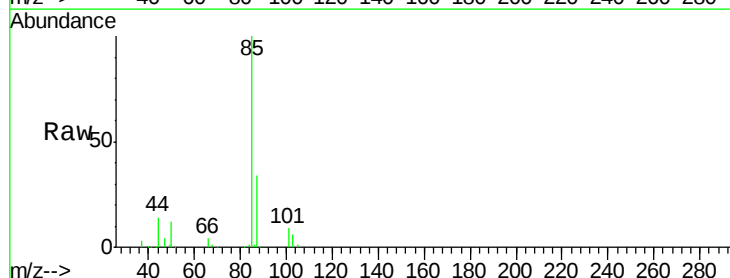
Acq: 26 Jun 2018 08:15

Tgt Ion: 85 Resp: 39790

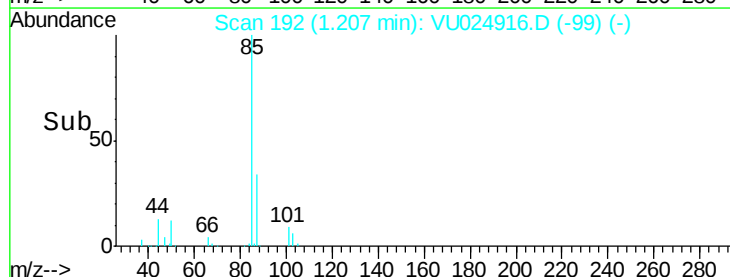
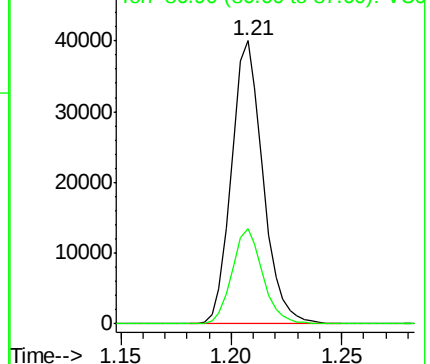
Ion Ratio Lower Upper

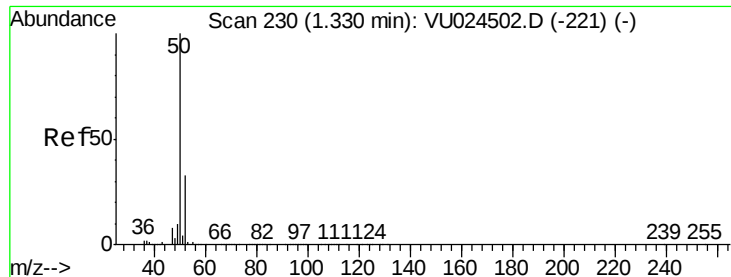
85 100

87 33.6 16.1 48.2



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





#3

Chloromethane

Concen: 18.688 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

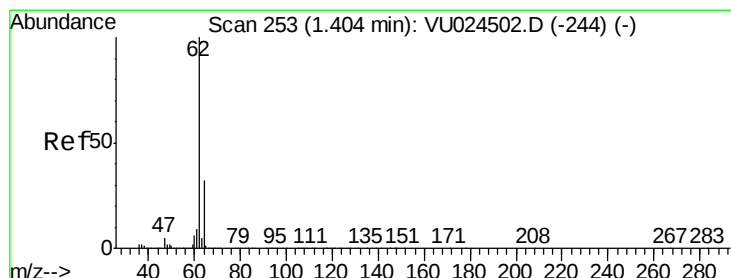
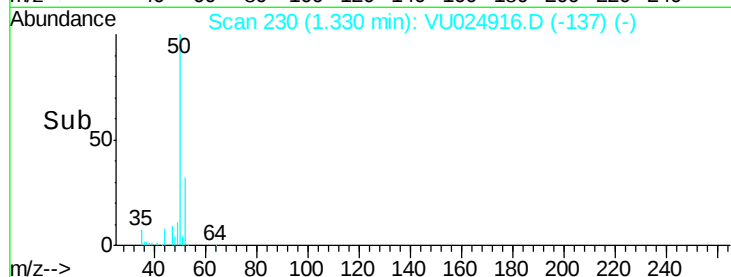
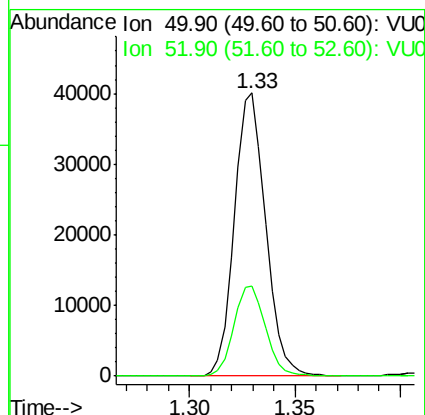
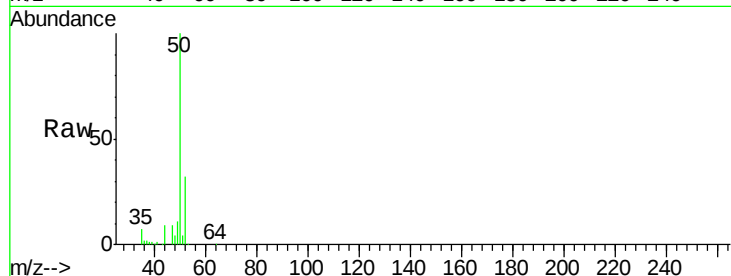
VU0625MBSD02

Tgt Ion: 50 Resp: 41201

Ion Ratio Lower Upper

50 100

52 31.9 26.4 39.6



#4

Vinyl Chloride

Concen: 19.261 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024916.D

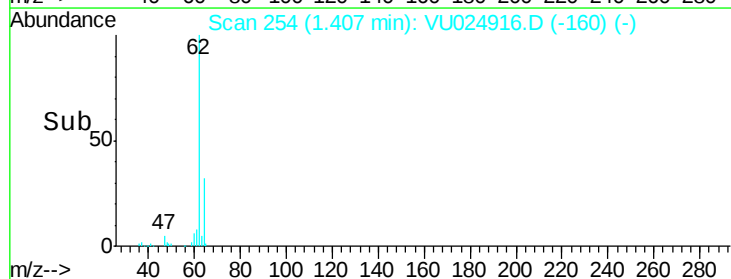
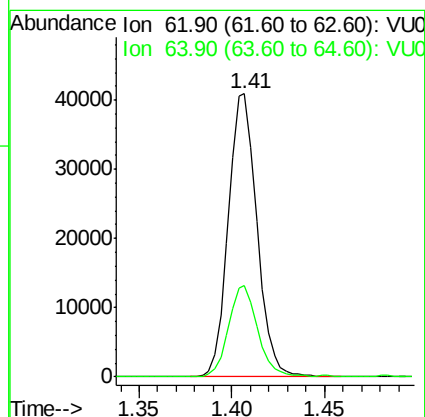
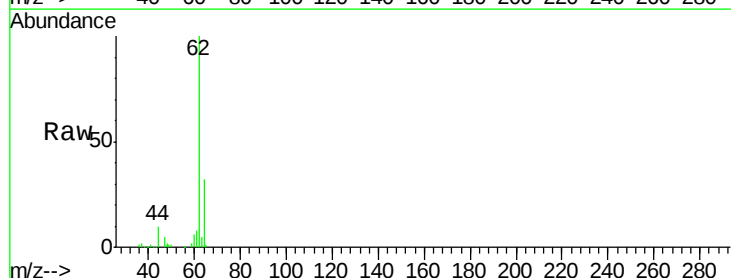
Acq: 26 Jun 2018 08:15

Tgt Ion: 62 Resp: 43792

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 25.579 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

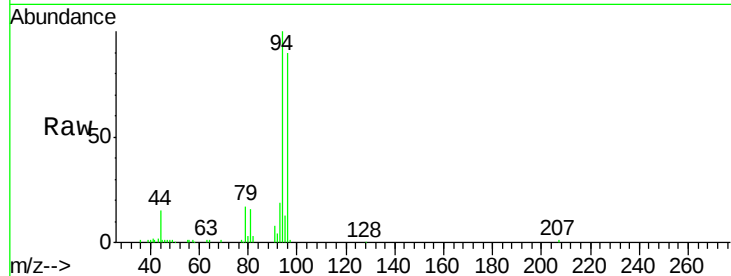
VU0625MBSD02

Tgt Ion: 94 Resp: 28114

Ion Ratio Lower Upper

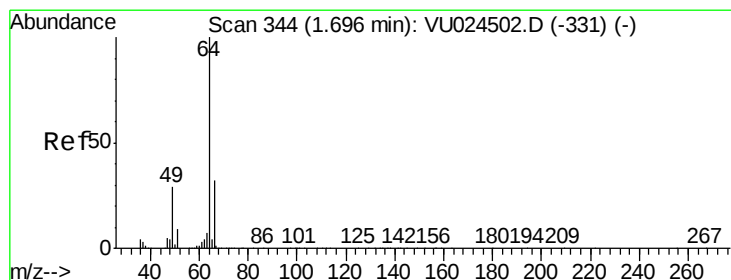
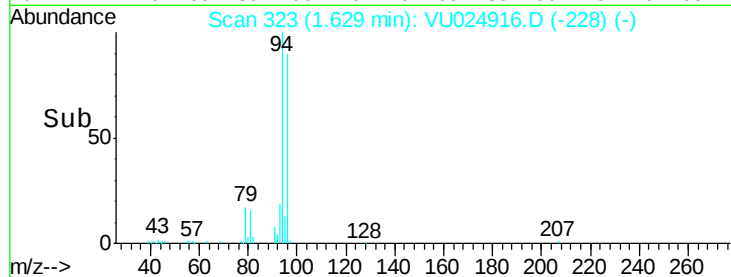
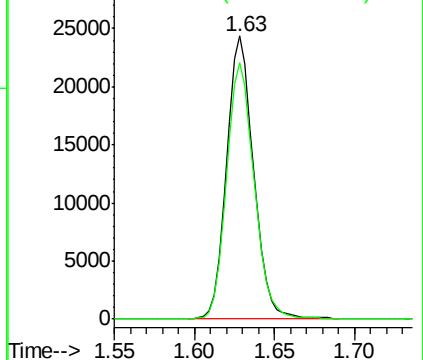
94 100

96 90.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 23.081 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024916.D

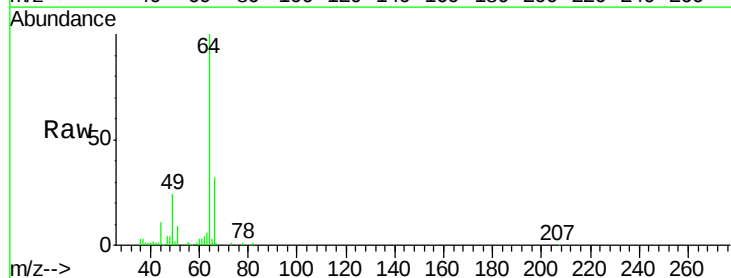
Acq: 26 Jun 2018 08:15

Tgt Ion: 64 Resp: 30045

Ion Ratio Lower Upper

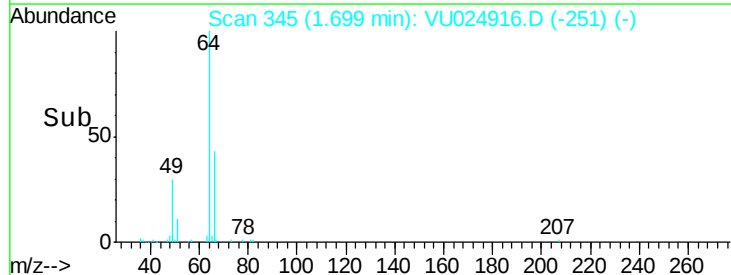
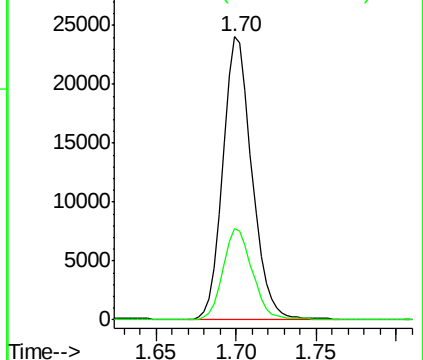
64 100

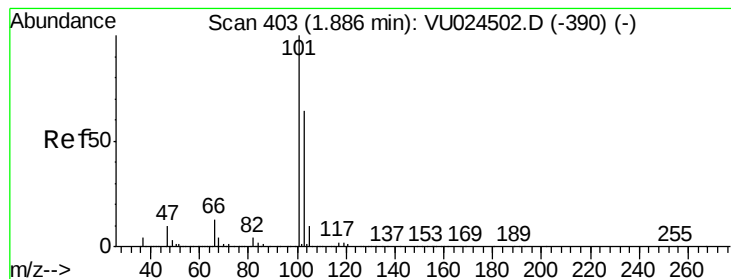
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



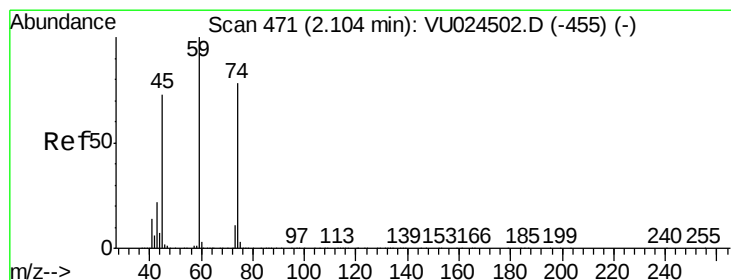
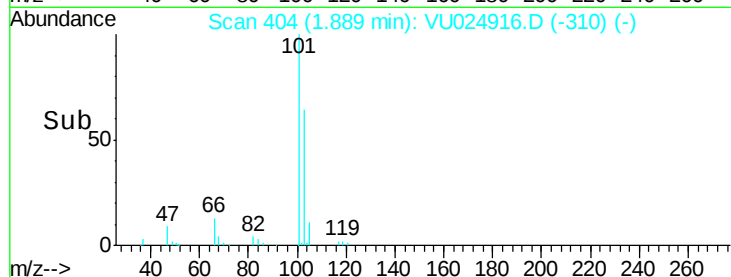
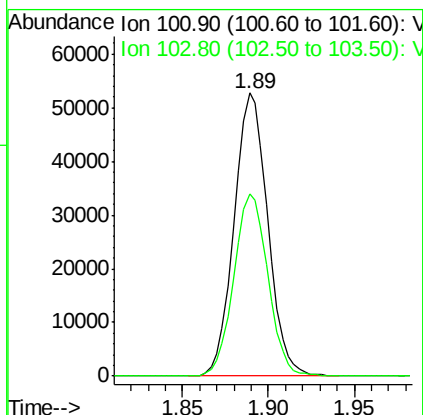
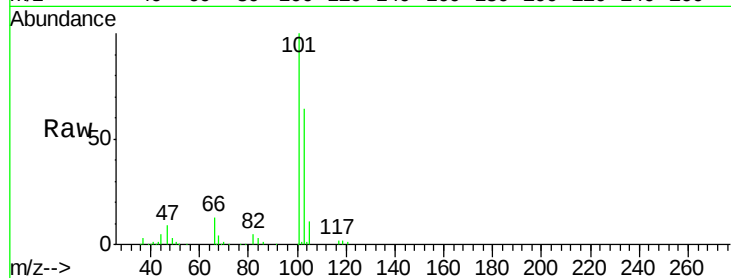


#7

Trichlorofluoromethane
Concen: 20.771 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Instrument :
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ClientSampleId :
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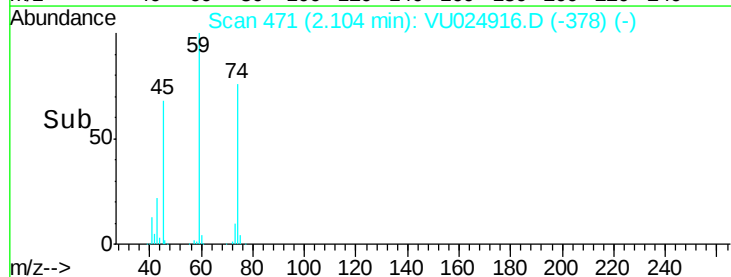
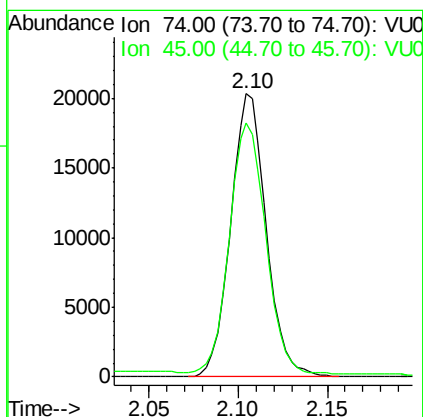
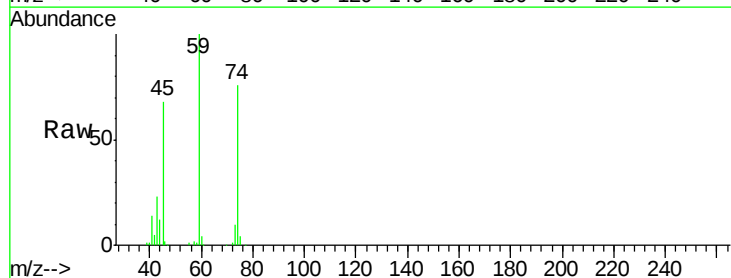
Tgt Ion:101 Resp: 72070
Ion Ratio Lower Upper
101 100
103 64.2 52.3 78.5



#8

Diethyl Ether
Concen: 22.802 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 74 Resp: 28134
Ion Ratio Lower Upper
74 100
45 91.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.838 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

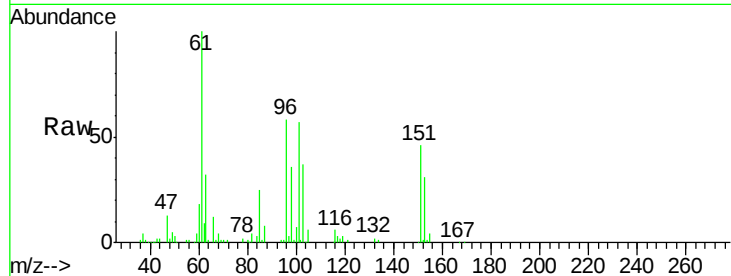
Tgt Ion:101 Resp: 42703

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

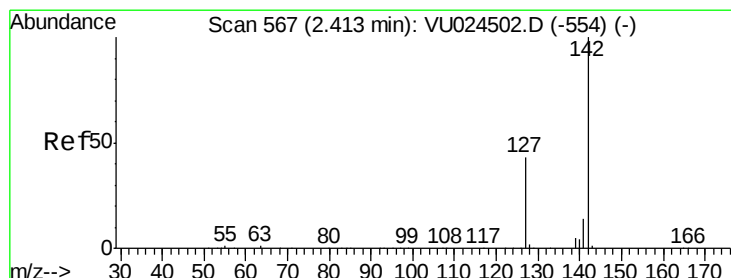
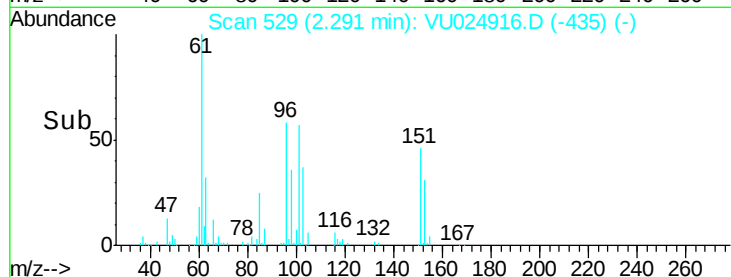
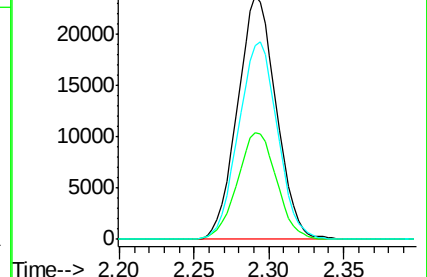
151 81.9 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.234 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

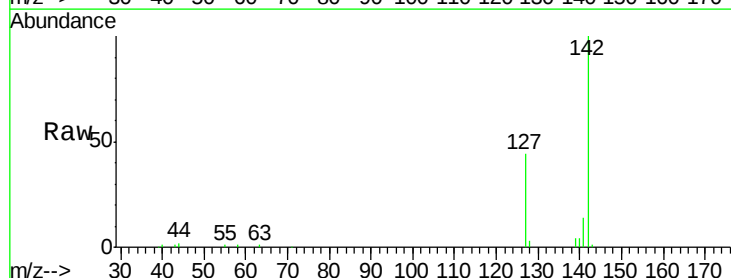
Tgt Ion:142 Resp: 38597

Ion Ratio Lower Upper

142 100

127 45.0 35.6 53.4

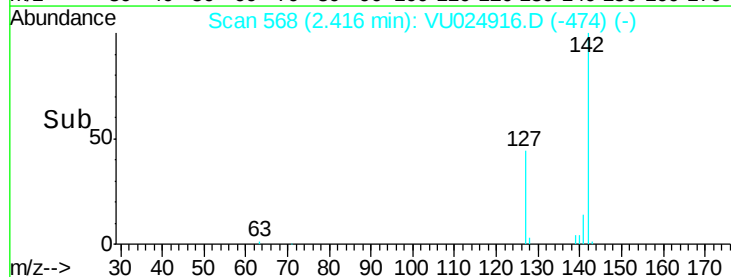
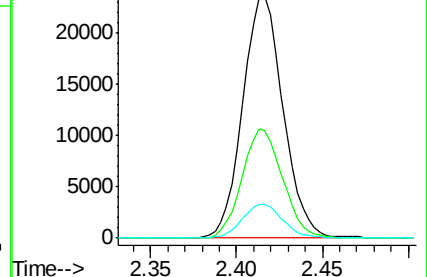
141 14.0 11.7 17.5

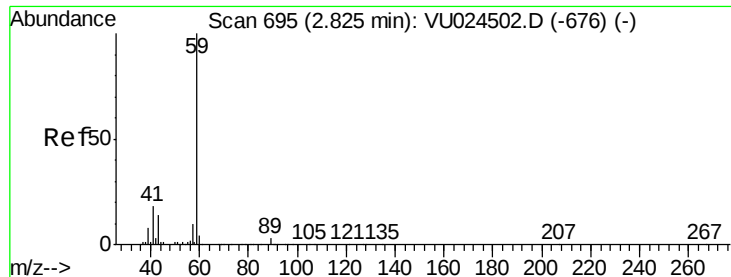


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

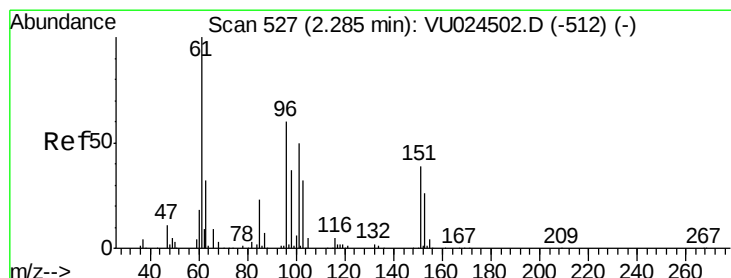
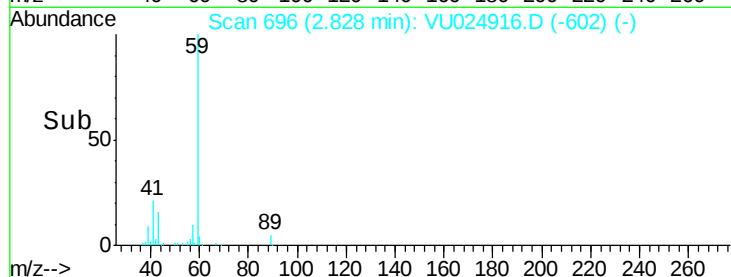
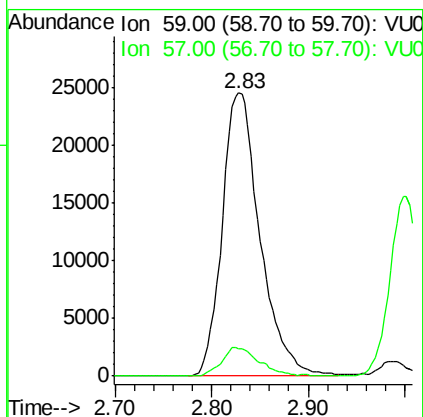
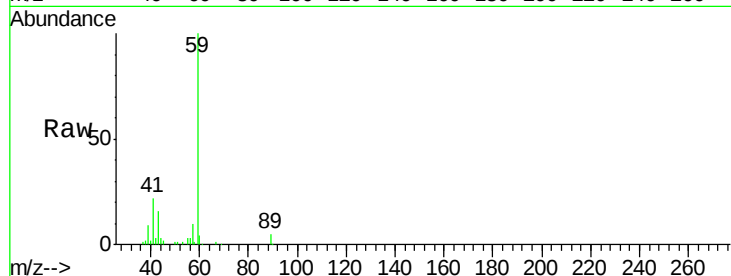




#11
Tert butyl alcohol
Concen: 97.388 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

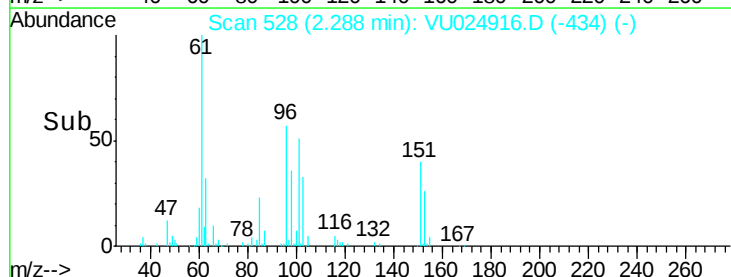
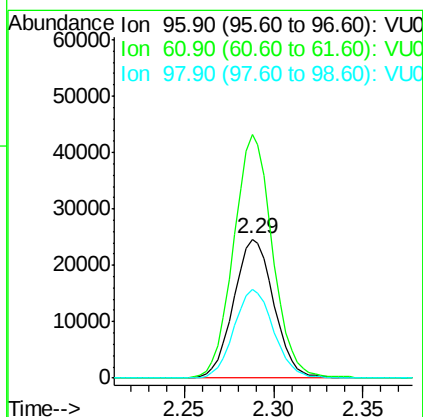
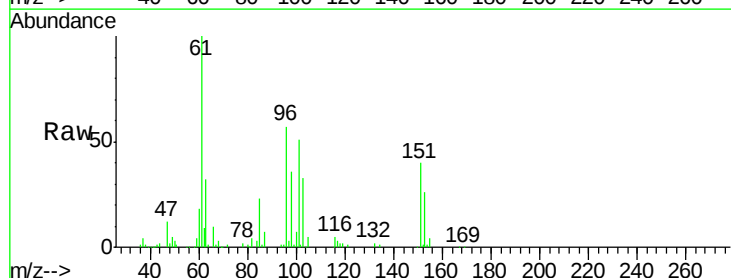
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

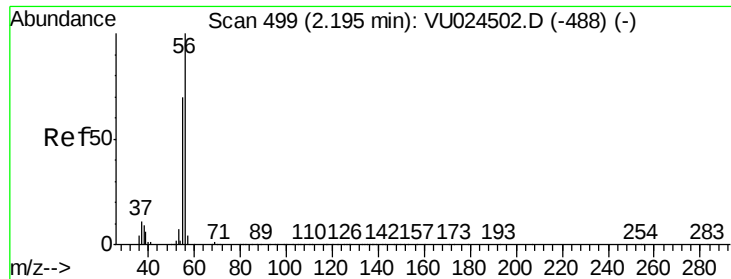
Tgt Ion: 59 Resp: 66664
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.727 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 96 Resp: 38726
Ion Ratio Lower Upper
96 100
61 175.5 141.7 212.5
98 63.6 51.6 77.4





#13

Acrolein

Concen: 44.436 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

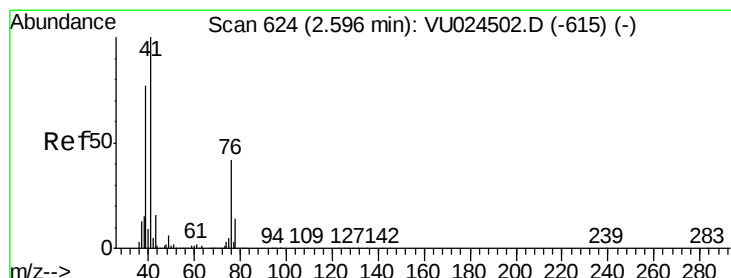
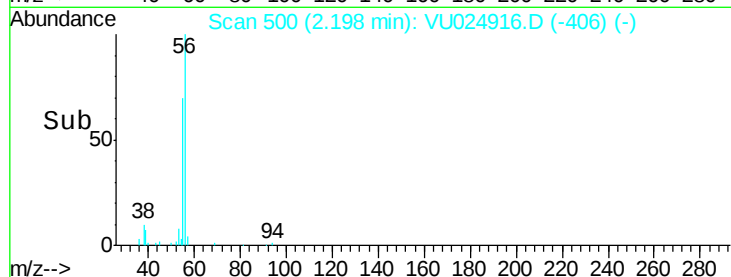
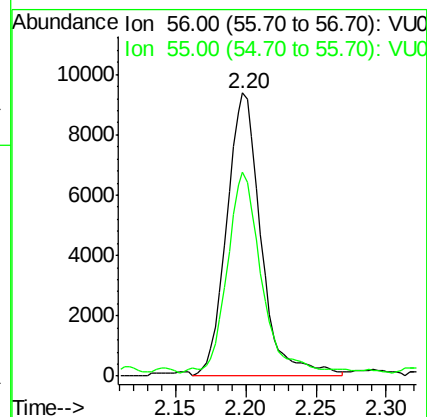
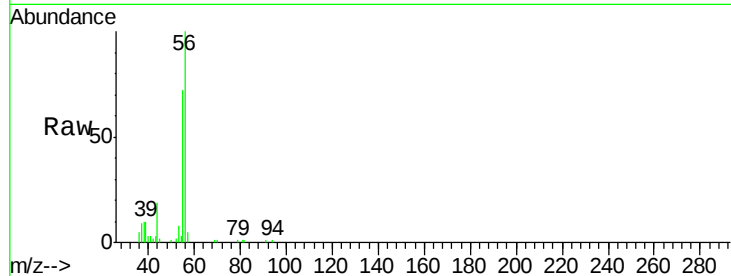
VU0625MBSD02

Tgt Ion: 56 Resp: 15973

Ion Ratio Lower Upper

56 100

55 69.4 58.4 87.6



#14

Allyl chloride

Concen: 20.036 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

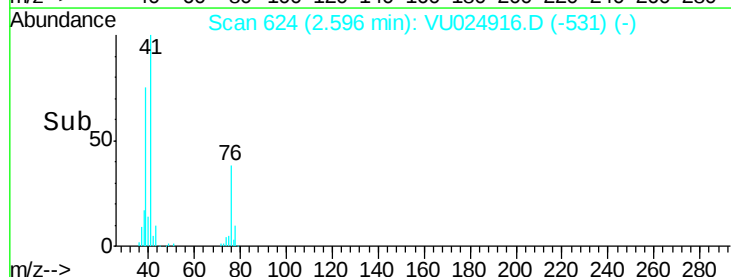
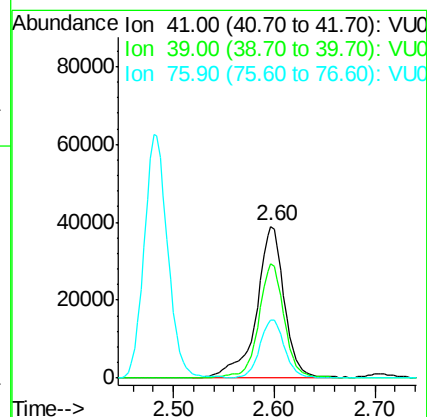
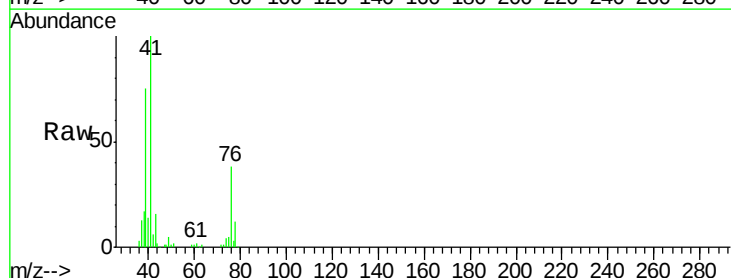
Tgt Ion: 41 Resp: 73030

Ion Ratio Lower Upper

41 100

39 70.2 61.6 92.4

76 34.8 29.7 44.5





#15

Acrylonitrile

Concen: 99.650 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

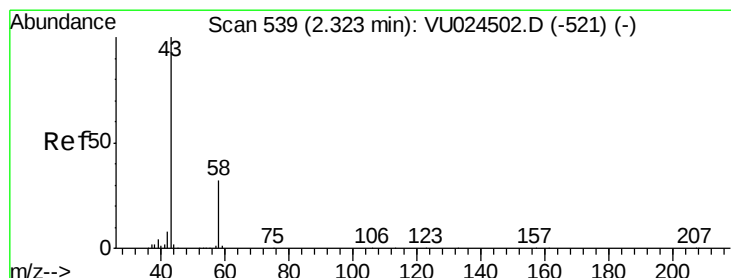
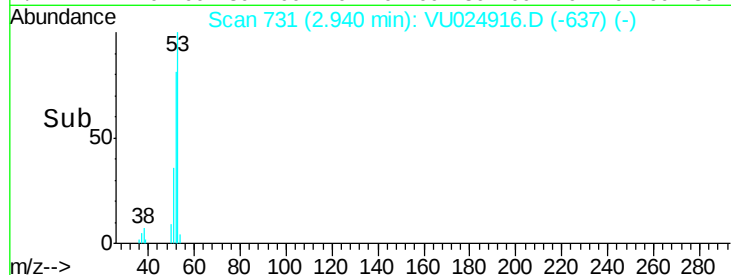
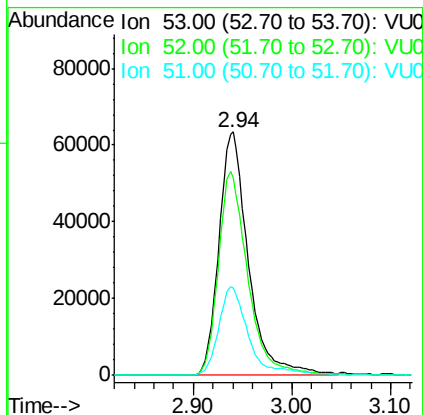
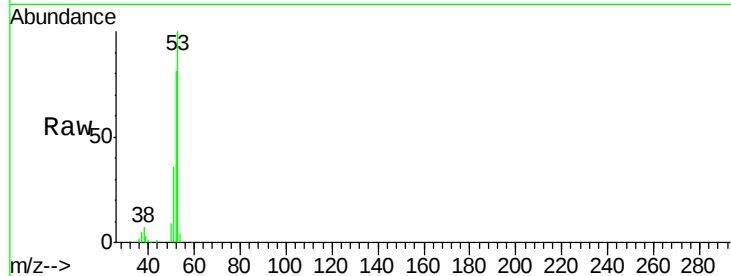
Tgt Ion: 53 Resp: 132715

Ion Ratio Lower Upper

53 100

52 83.6 67.1 100.7

51 37.0 28.4 42.6



#16

Acetone

Concen: 85.518 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024916.D

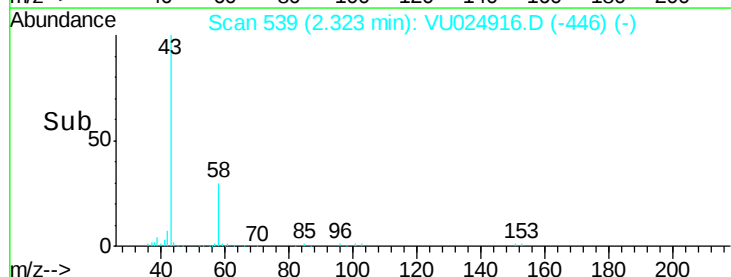
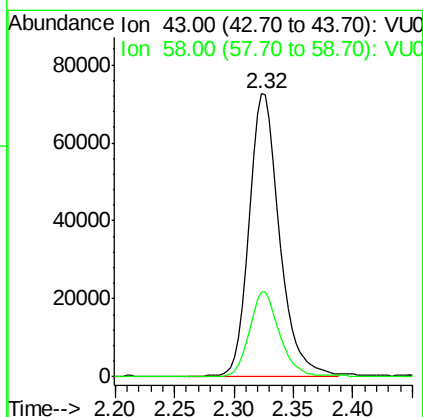
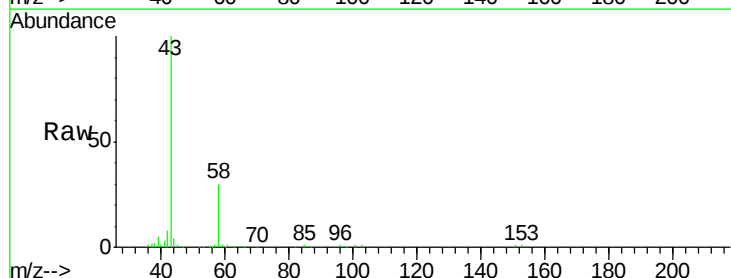
Acq: 26 Jun 2018 08:15

Tgt Ion: 43 Resp: 129324

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6

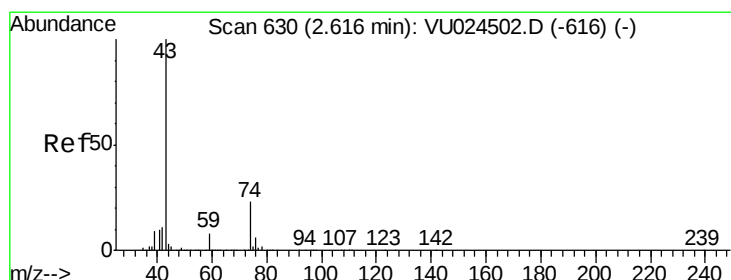
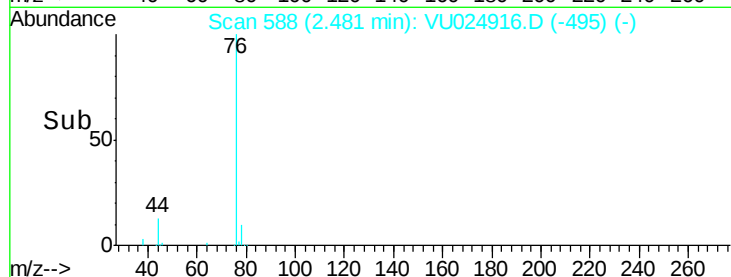
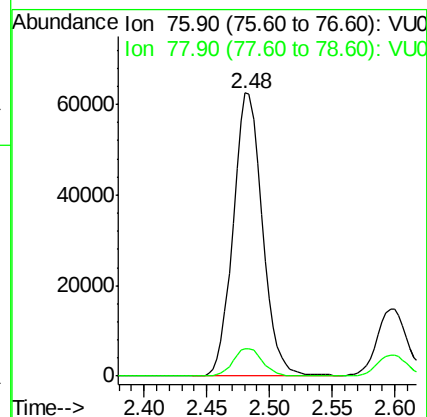
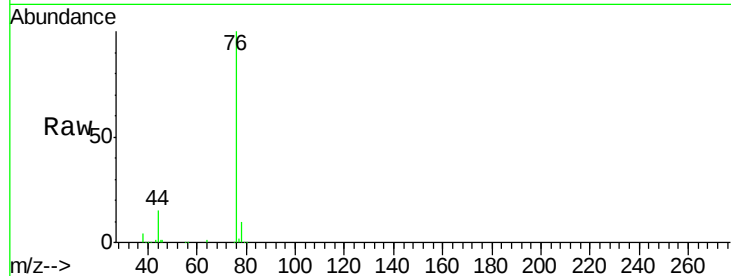




#17
 Carbon Disulfide
 Concen: 16.099 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

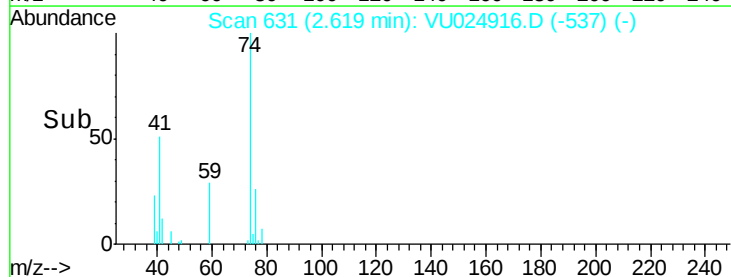
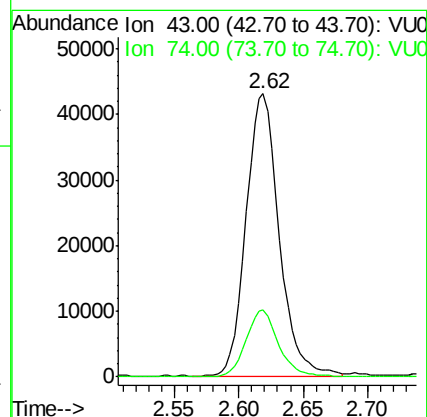
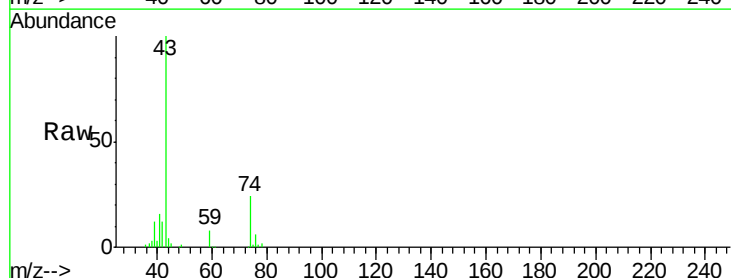
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBS02

Tgt Ion: 76 Resp: 101196
 Ion Ratio Lower Upper
 76 100
 78 9.8 7.1 10.7



#18
 Methyl Acetate
 Concen: 23.650 ug/l
 RT: 2.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 43 Resp: 76671
 Ion Ratio Lower Upper
 43 100
 74 23.4 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 21.253 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

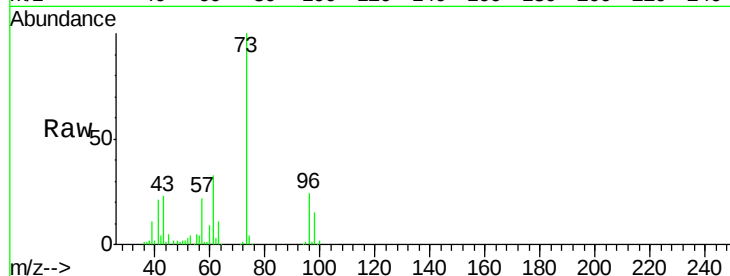
VU0625MBSD02

Tgt Ion: 73 Resp: 156832

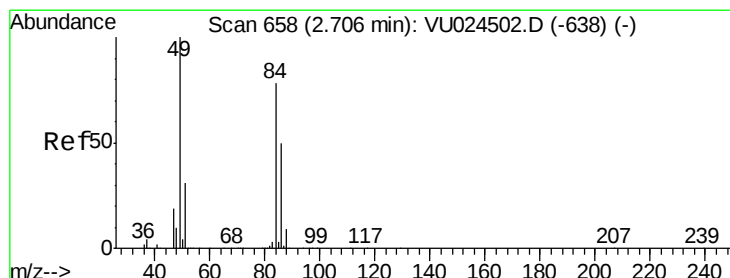
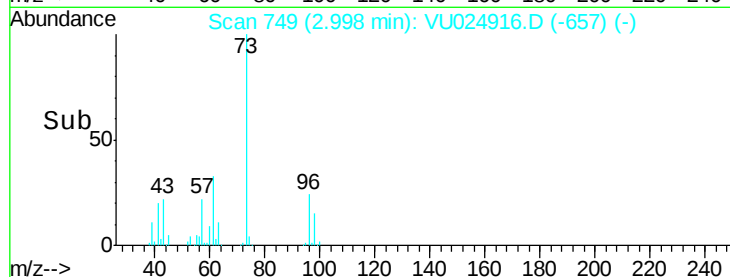
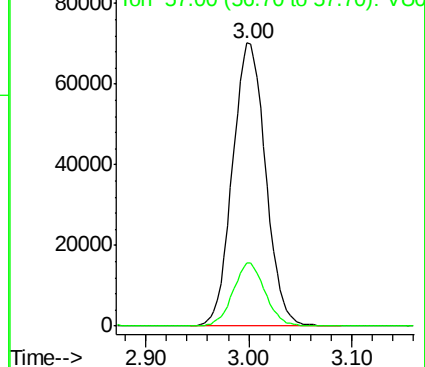
Ion Ratio Lower Upper

73 100

57 22.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024916.D (-657) (-)



#20

Methylene Chloride

Concen: 22.529 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Tgt Ion: 84 Resp: 53458

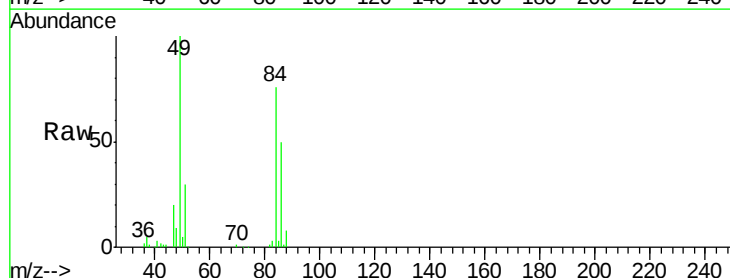
Ion Ratio Lower Upper

84 100

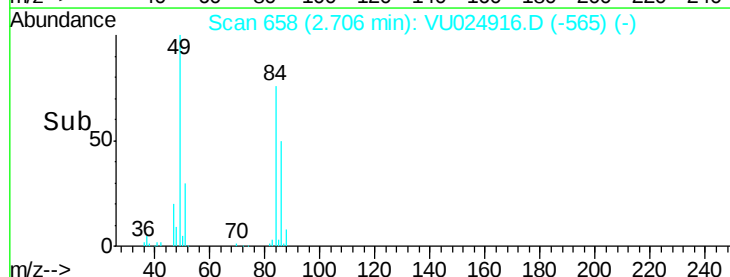
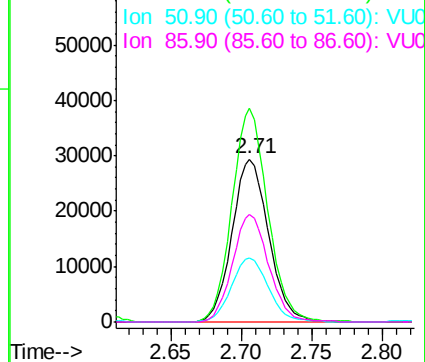
49 130.9 103.8 155.8

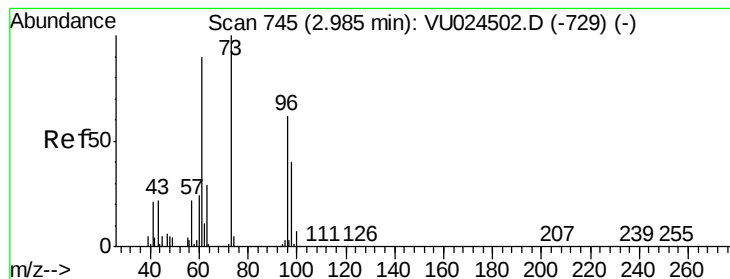
51 39.5 32.0 48.0

86 66.0 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024916.D (-565) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.696 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

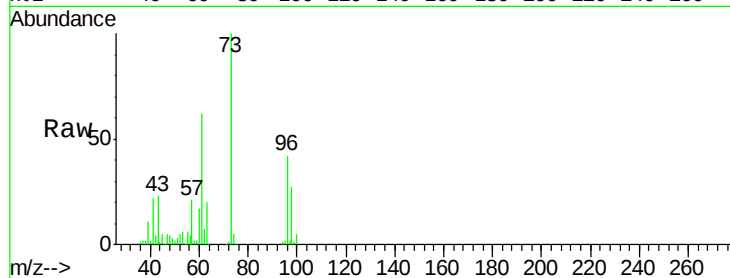
Tgt Ion: 96 Resp: 42586

Ion Ratio Lower Upper

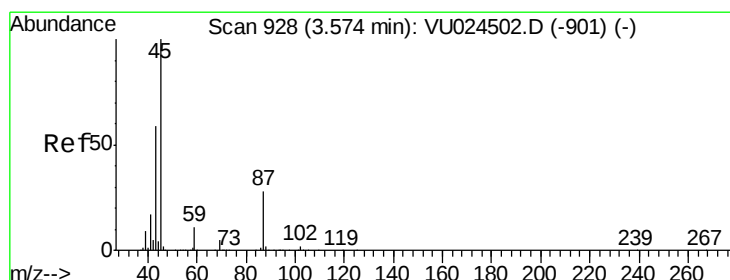
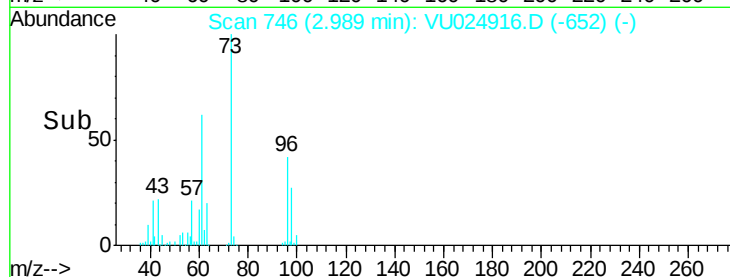
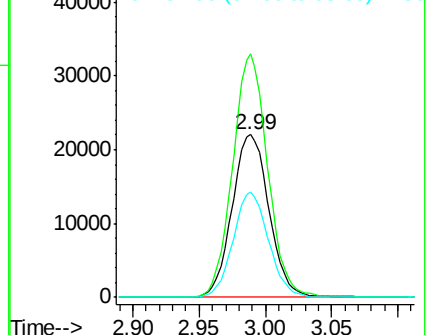
96 100

61 149.9 119.4 179.0

98 64.5 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: 20.813 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Tgt Ion: 45 Resp: 150385

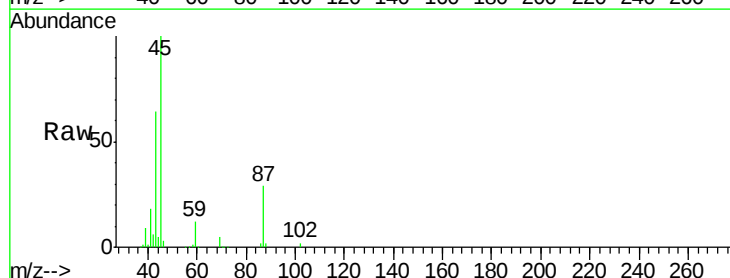
Ion Ratio Lower Upper

45 100

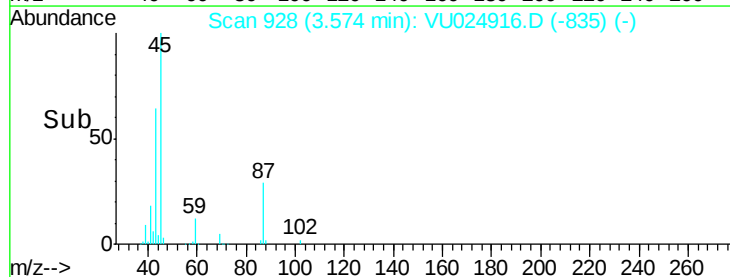
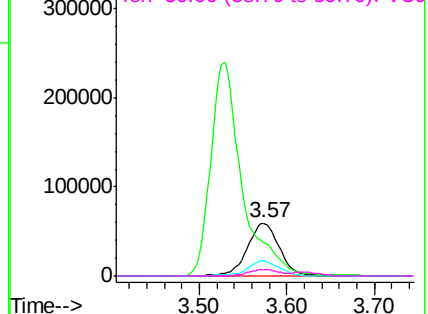
43 62.1 45.8 68.6

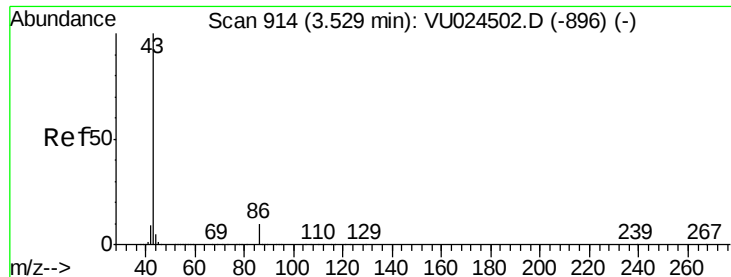
87 29.0 20.6 31.0

59 12.2 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: 92.775 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

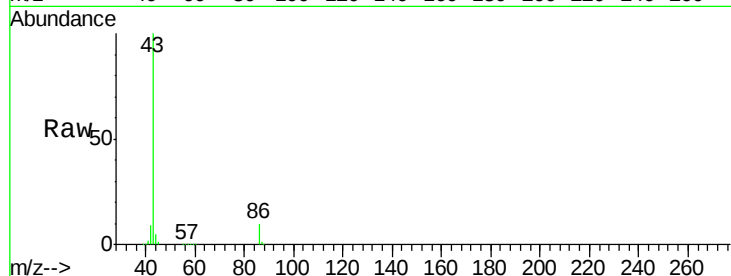
VU0625MBSD02

Tgt Ion: 43 Resp: 600489

Ion Ratio Lower Upper

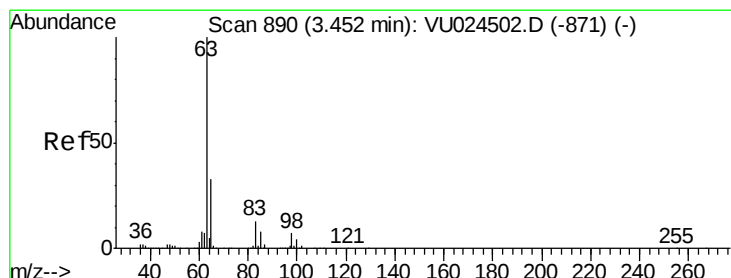
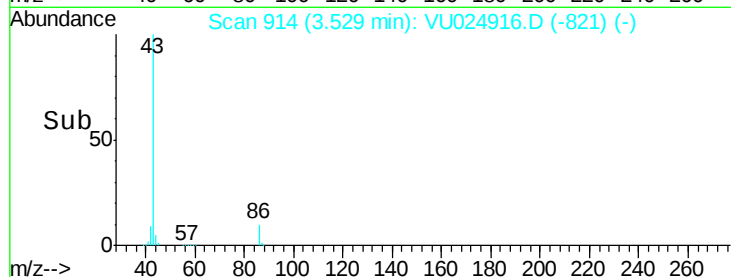
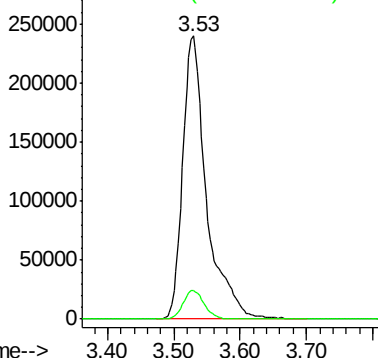
43 100

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: 20.503 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

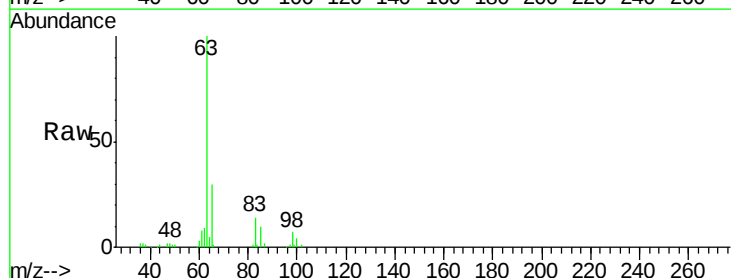
Tgt Ion: 63 Resp: 85221

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

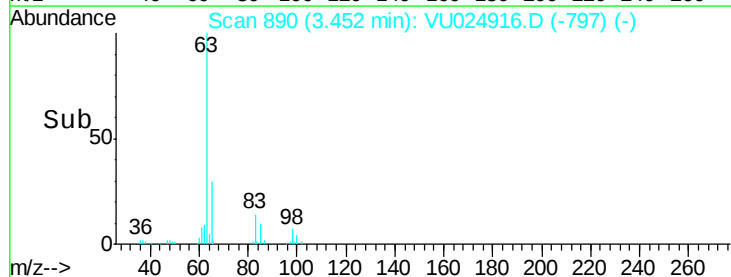
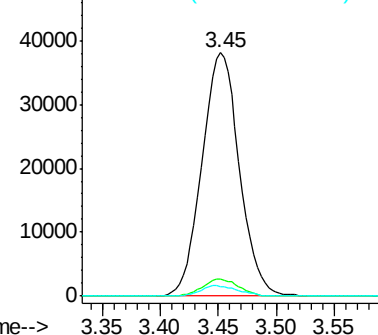
100 4.1 1.8 5.5

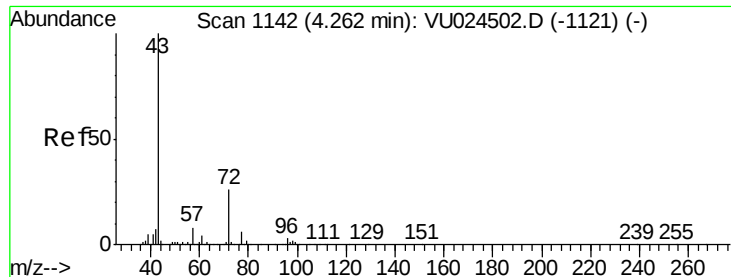


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

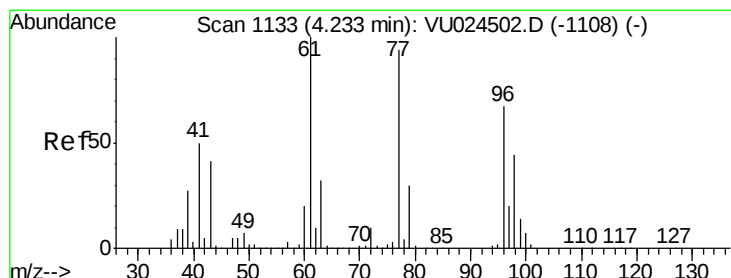
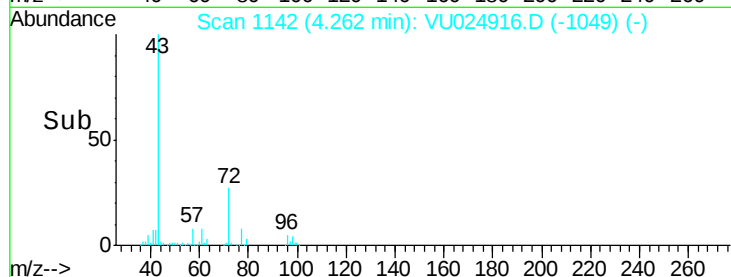
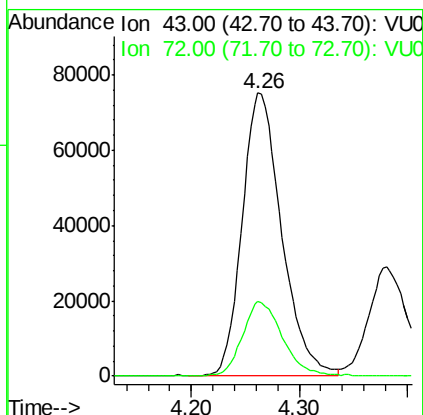
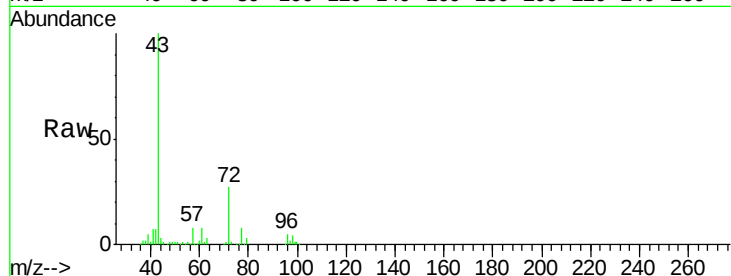




#25
2-Butanone
Concen: 93.297 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

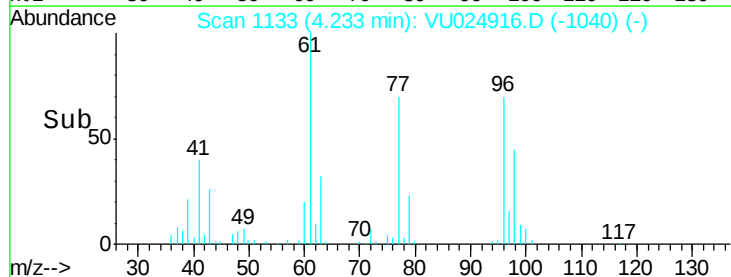
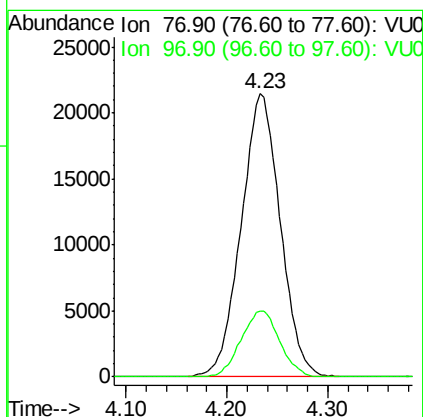
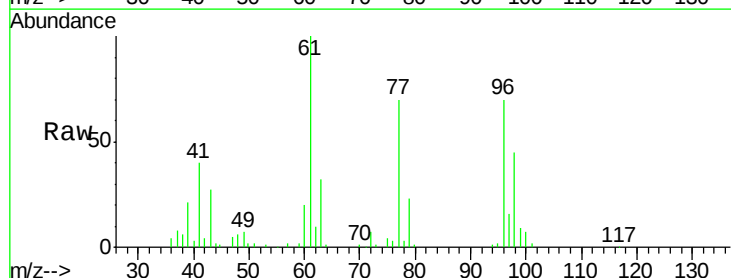
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

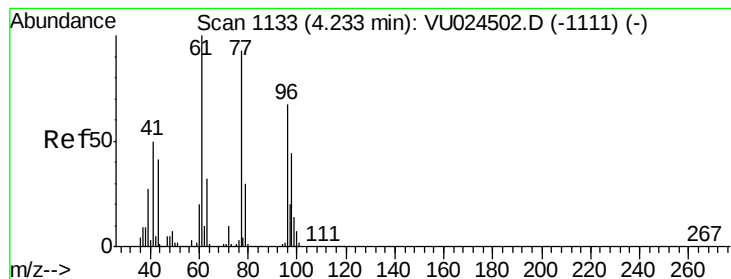
Tgt Ion: 43 Resp: 189512
Ion Ratio Lower Upper
43 100
72 26.7 19.6 29.4



#26
2,2-Dichloropropane
Concen: 14.599 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 77 Resp: 57620
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.928 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

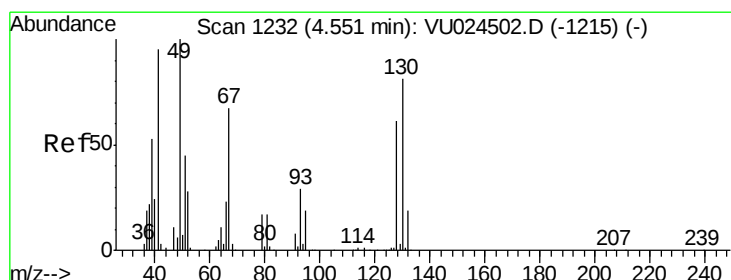
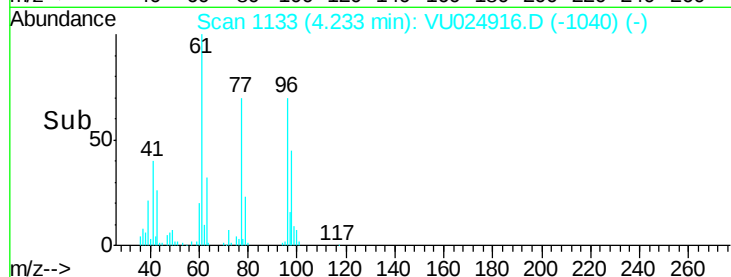
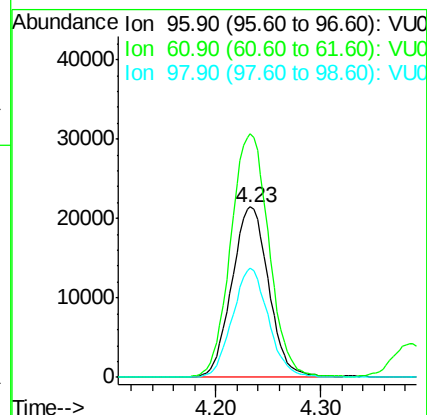
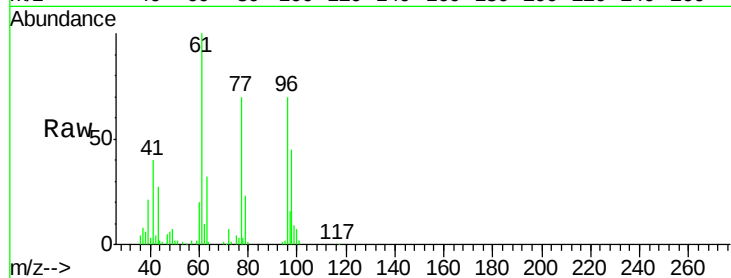
Tgt Ion: 96 Resp: 52021

Ion Ratio Lower Upper

96 100

61 147.9 0.0 306.6

98 62.6 0.0 128.8



#28

Bromochloromethane

Concen: 22.798 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

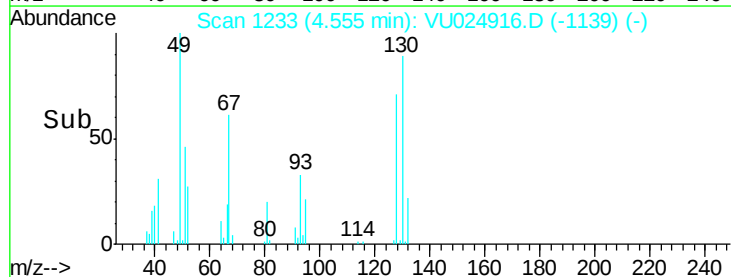
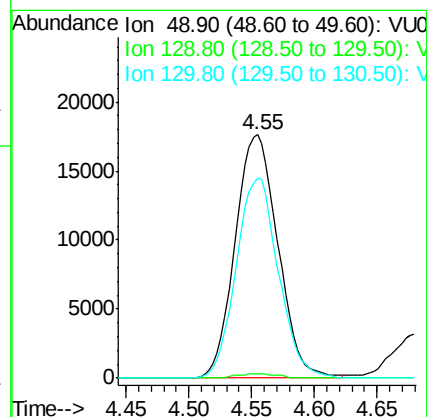
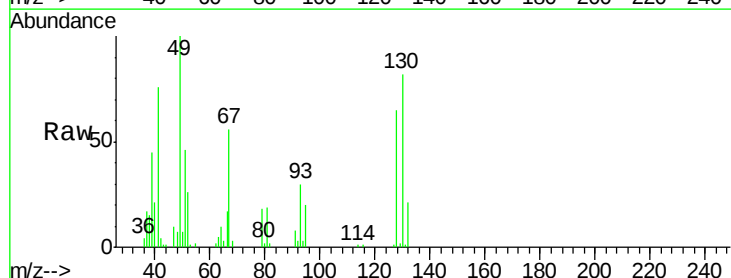
Tgt Ion: 49 Resp: 41740

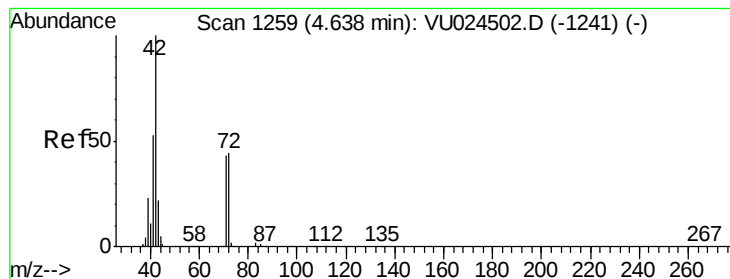
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 81.2 57.8 86.6





#29

Tetrahydrofuran

Concen: 98.238 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

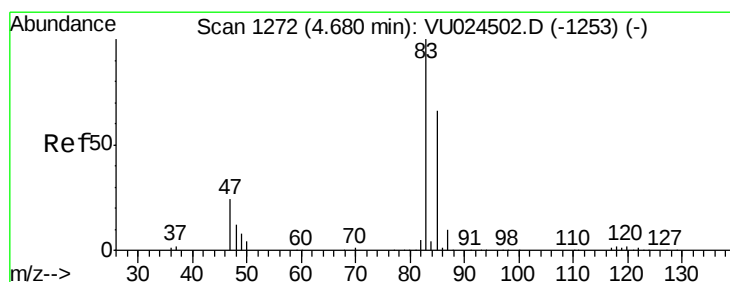
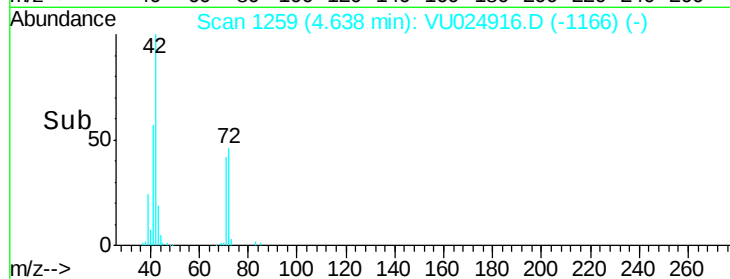
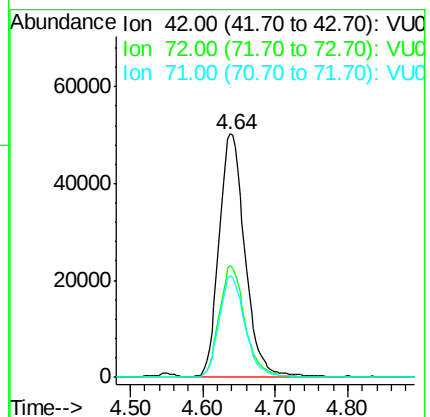
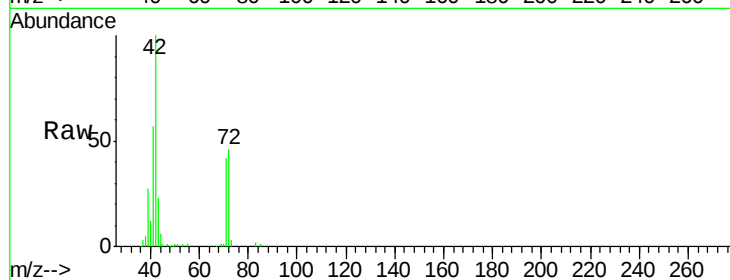
Tgt Ion: 42 Resp: 123575

Ion Ratio Lower Upper

42 100

72 45.9 34.5 51.7

71 41.9 32.2 48.4



#30

Chloroform

Concen: 21.380 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024916.D

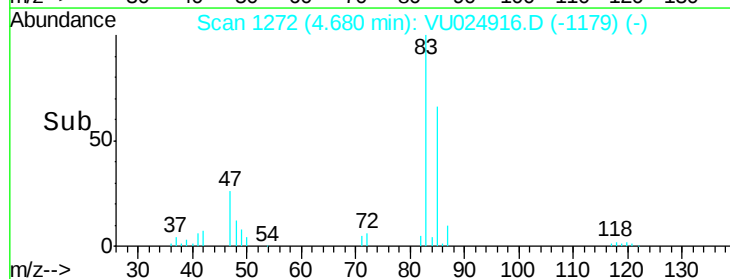
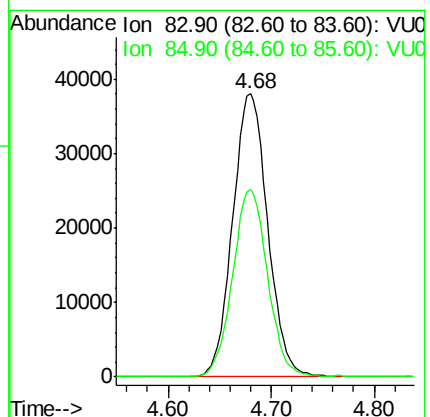
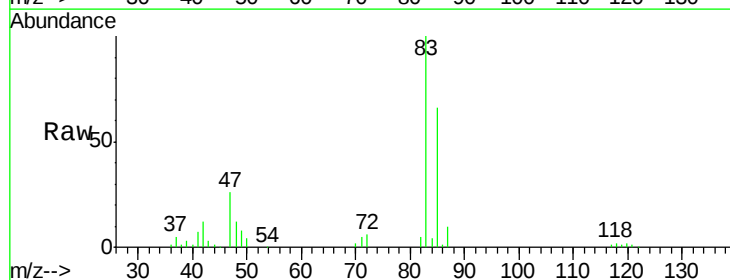
Acq: 26 Jun 2018 08:15

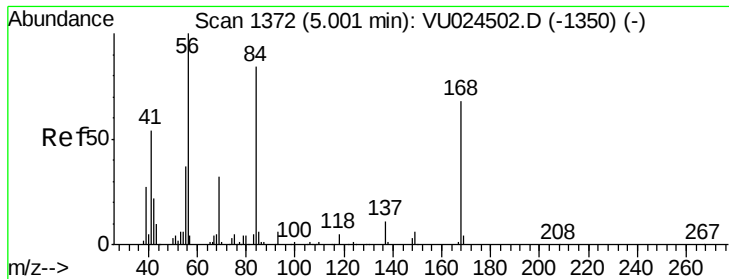
Tgt Ion: 83 Resp: 89948

Ion Ratio Lower Upper

83 100

85 66.4 52.4 78.6

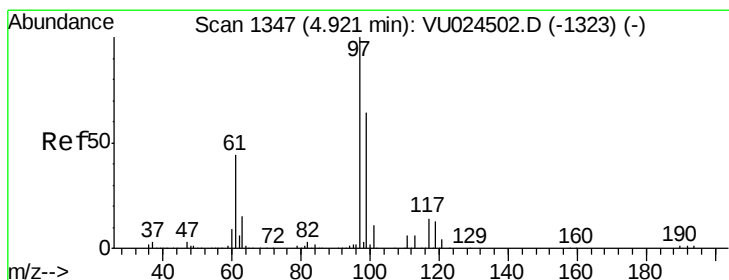
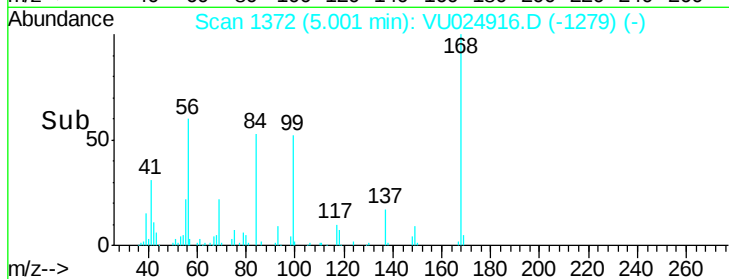
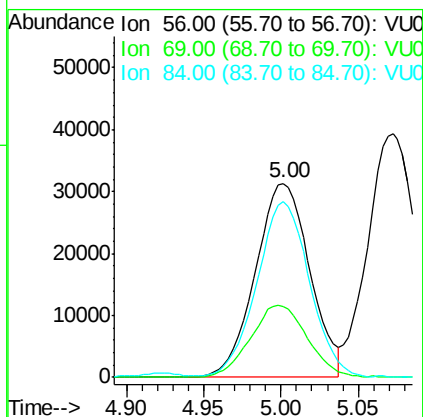
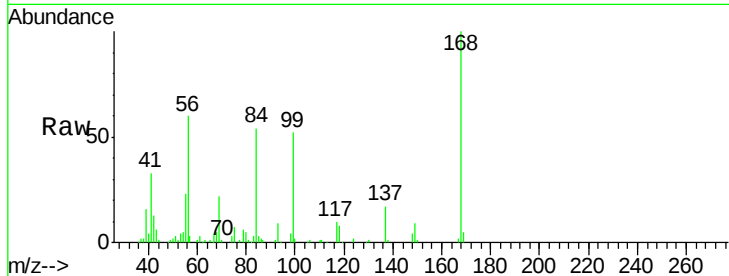




#31
Cyclohexane
Concen: 19.549 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

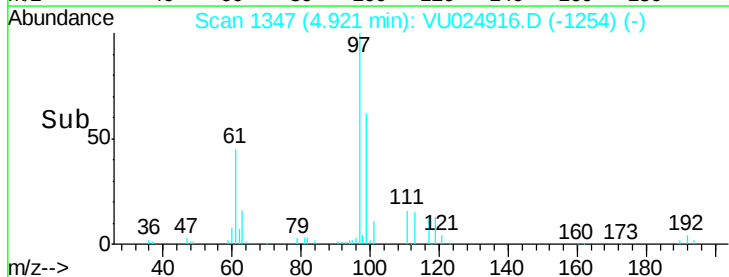
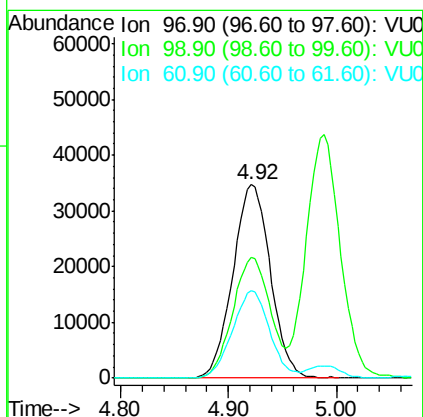
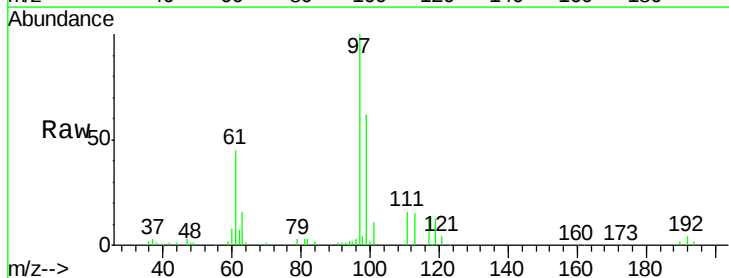
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

Tgt Ion: 56 Resp: 76596
Ion Ratio Lower Upper
56 100
69 36.8 24.8 37.2
84 89.3 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.611 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 97 Resp: 84076
Ion Ratio Lower Upper
97 100
99 62.4 51.0 76.6
61 44.8 39.4 59.0

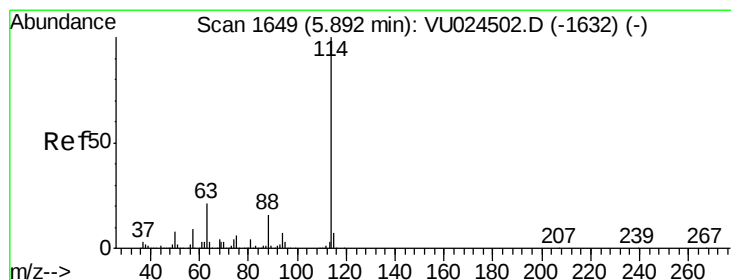
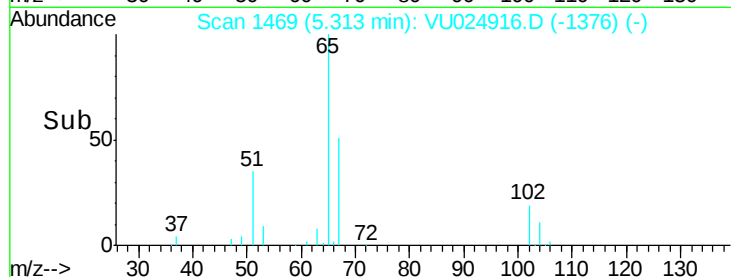
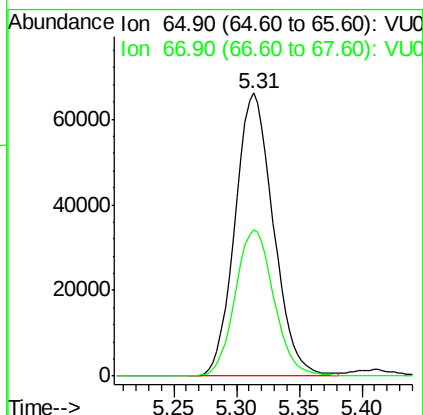
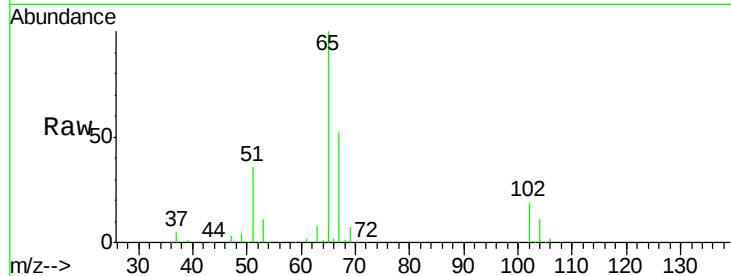




#33
 1,2-Dichloroethane-d4
 Concen: 49.951 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

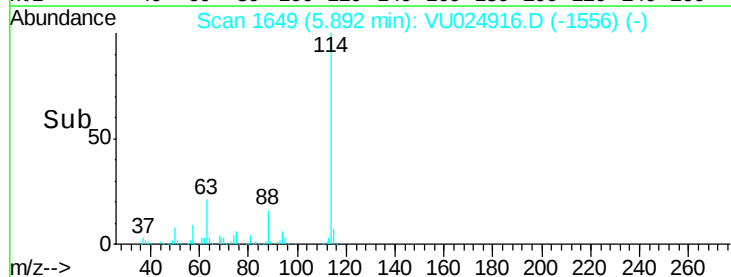
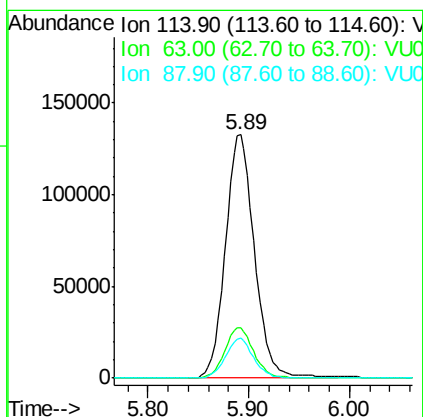
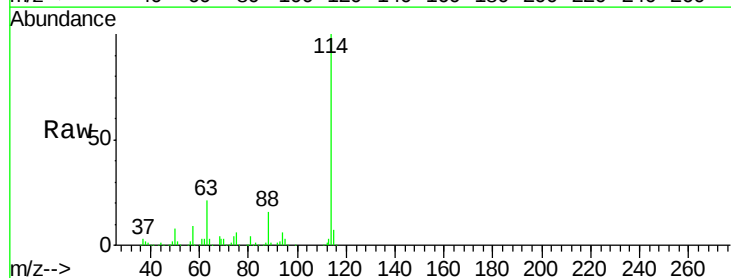
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 65 Resp: 140589
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 114 Resp: 266543
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.3 0.0 31.0

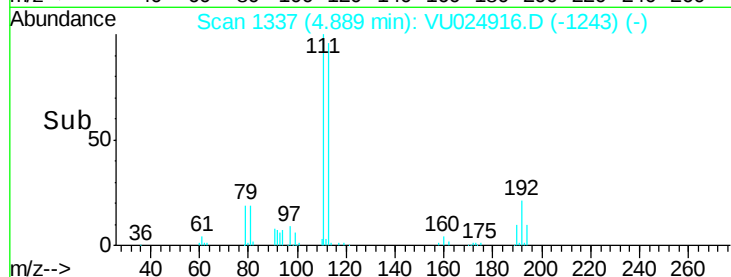
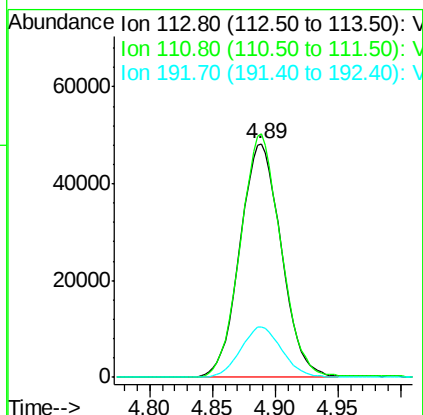
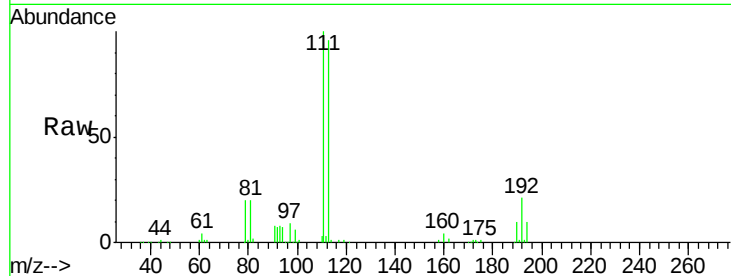




#35
 Dibromofluoromethane
 Concen: 50.084 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

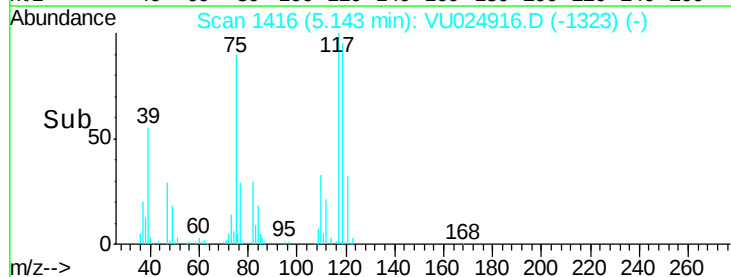
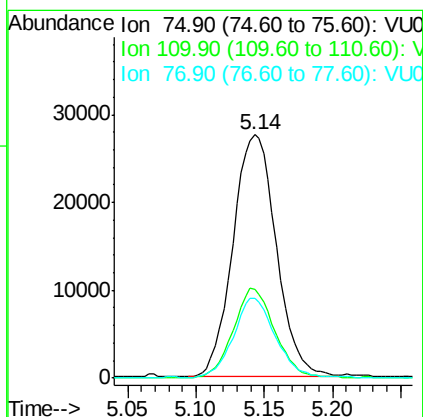
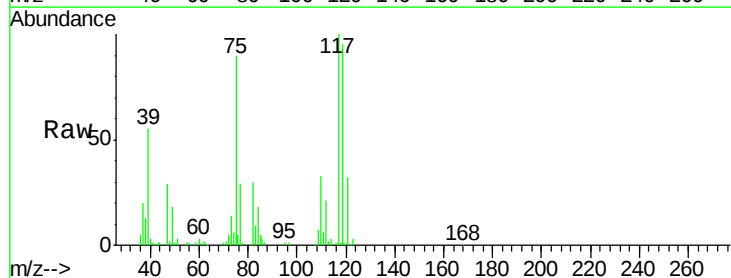
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

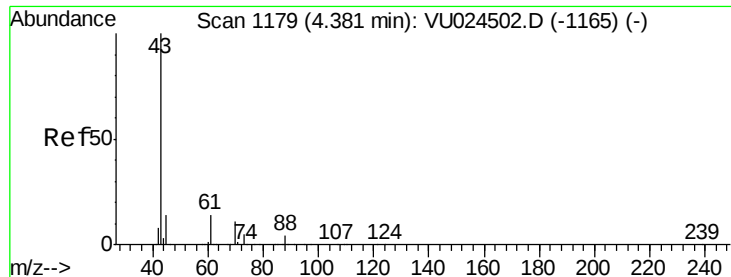
Tgt Ion:113 Resp: 110791
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 21.4 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 19.473 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 75 Resp: 60990
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.0 50.9
 77 32.0 24.2 36.4

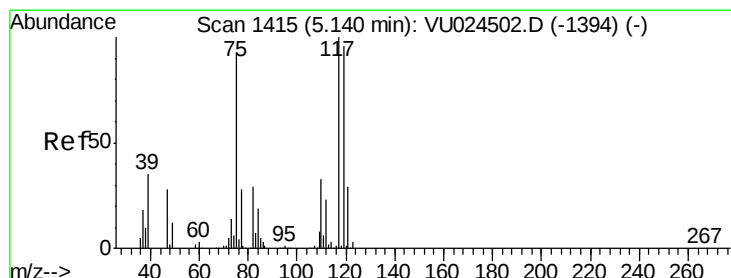
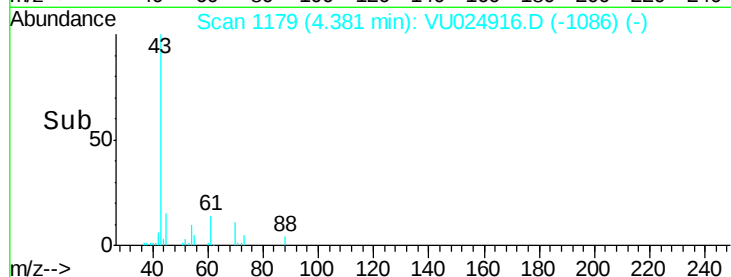
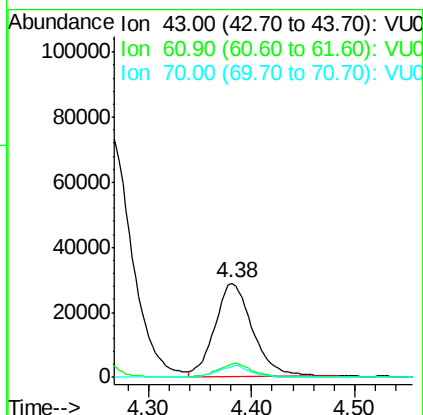
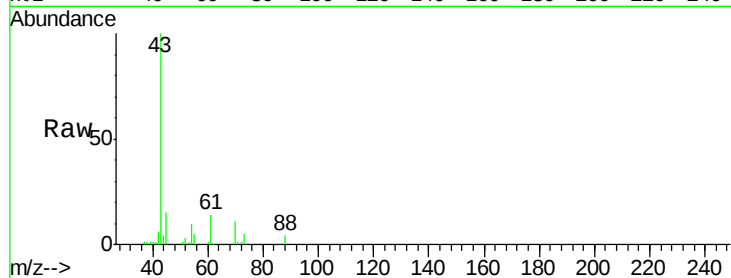




#37
 Ethyl Acetate
 Concen: 21.386 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

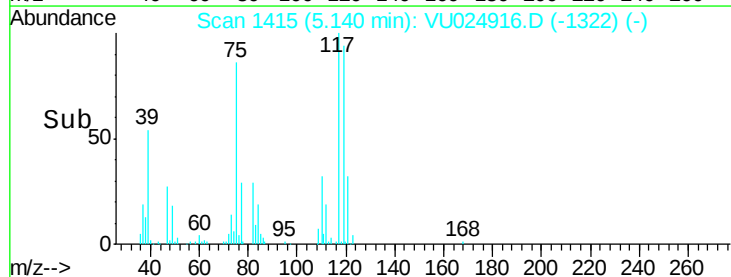
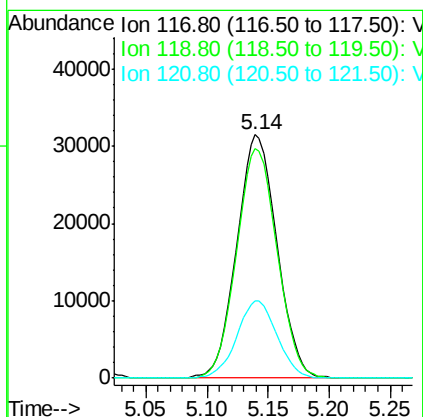
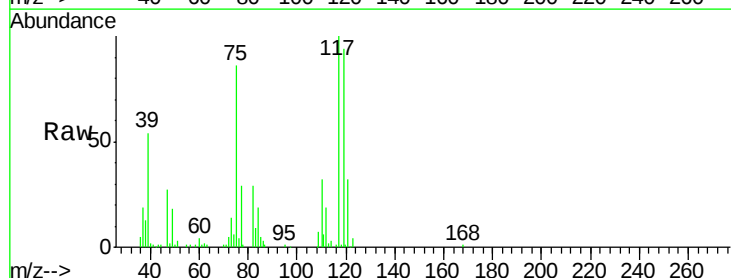
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 43 Resp: 73005
 Ion Ratio Lower Upper
 43 100
 61 14.1 10.5 15.7
 70 11.0 7.4 11.2



#38
 Carbon Tetrachloride
 Concen: 20.764 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 117 Resp: 71516
 Ion Ratio Lower Upper
 117 100
 119 94.1 76.1 114.1
 121 31.9 23.7 35.5

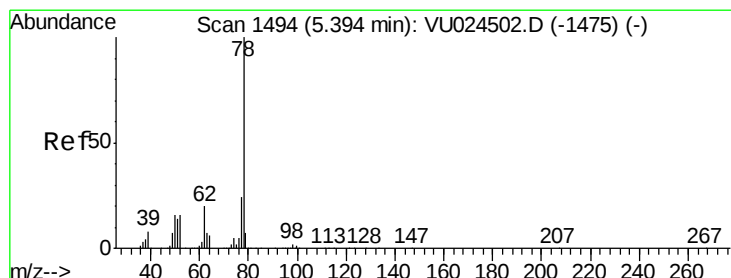
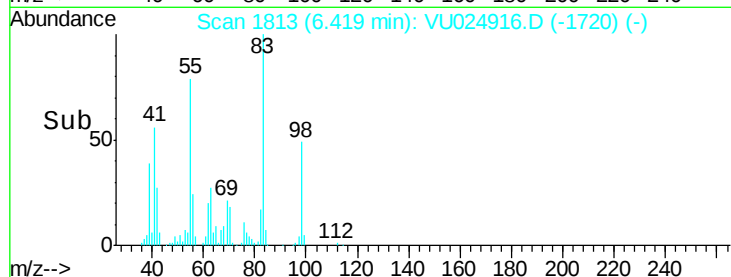
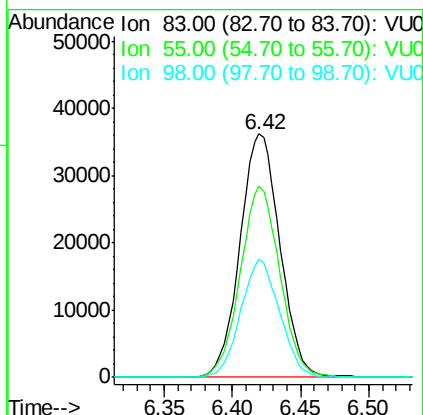
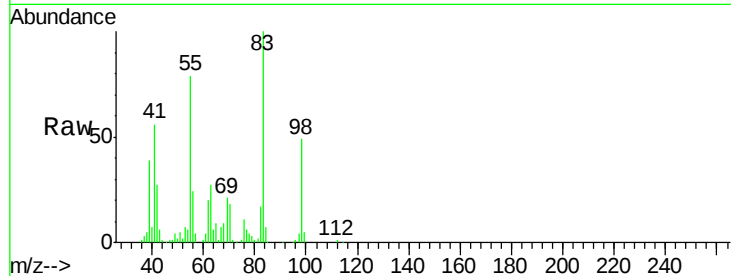




#39
Methylcyclohexane
Concen: 18.802 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

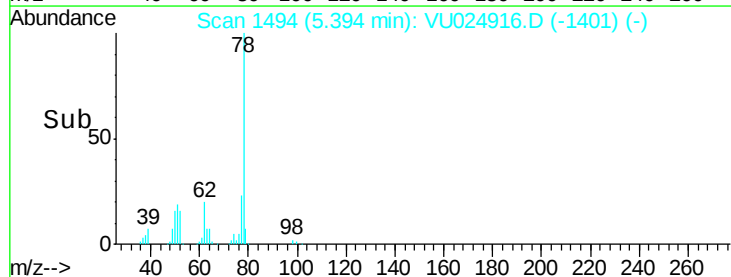
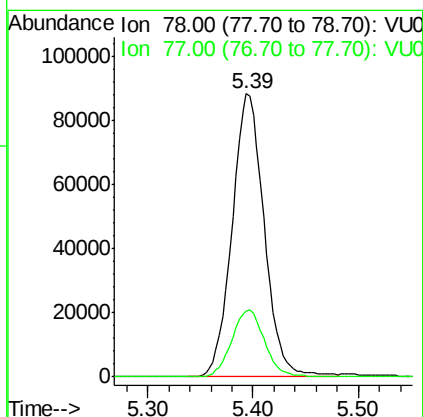
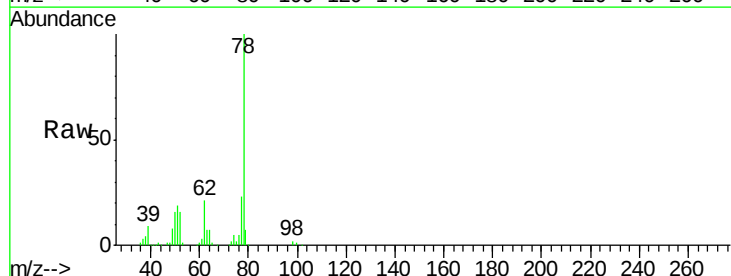
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

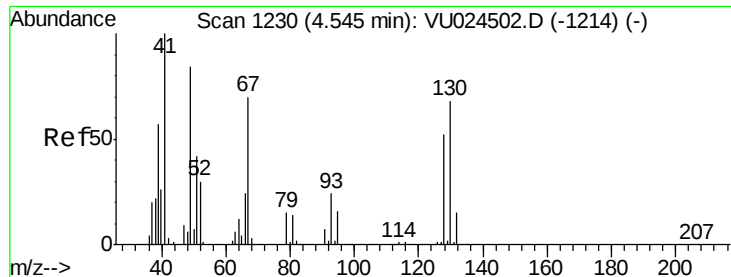
Tgt Ion: 83 Resp: 73488
Ion Ratio Lower Upper
83 100
55 78.6 65.8 98.6
98 48.7 36.7 55.1



#40
Benzene
Concen: 20.901 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 78 Resp: 186532
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 21.208 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

Tgt Ion: 41 Resp: 39034

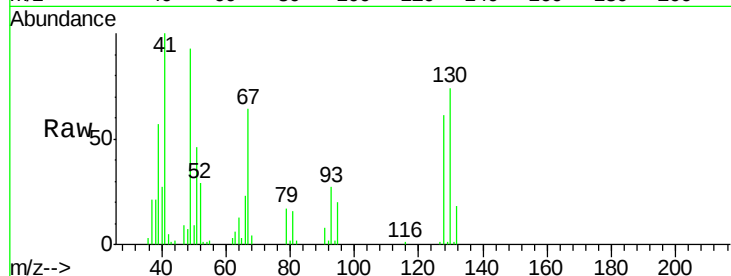
Ion Ratio Lower Upper

41 100

39 58.9 43.8 65.6

67 71.7 56.3 84.5

52 32.1 23.2 34.8

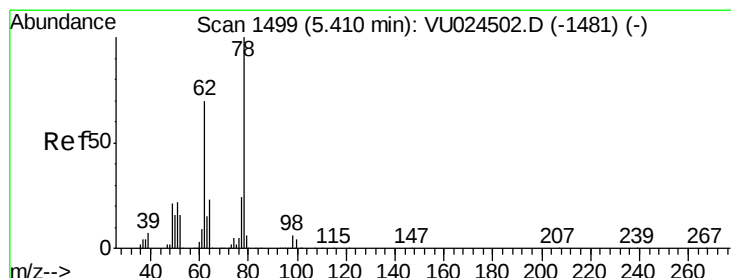
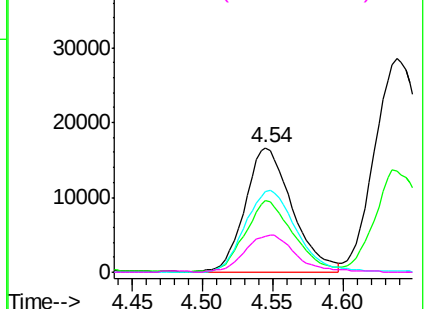
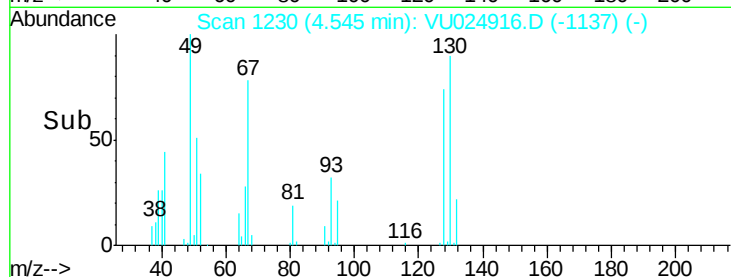


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 22.403 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU024916.D

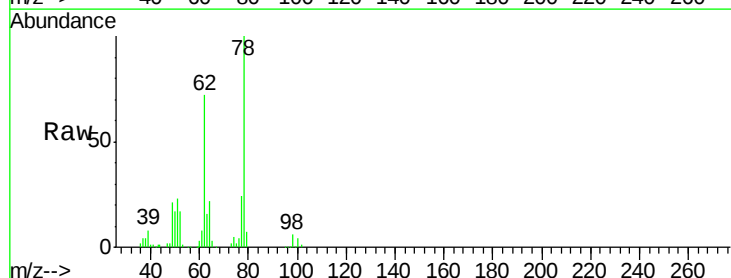
Acq: 26 Jun 2018 08:15

Tgt Ion: 62 Resp: 76151

Ion Ratio Lower Upper

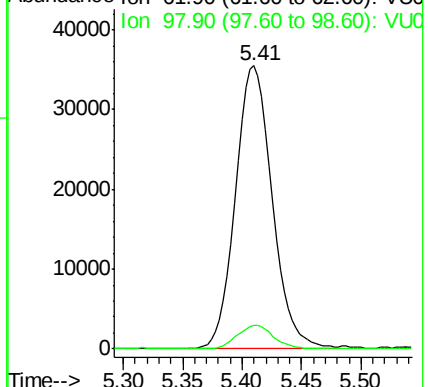
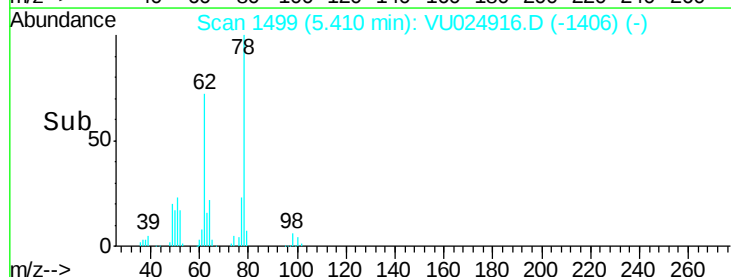
62 100

98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

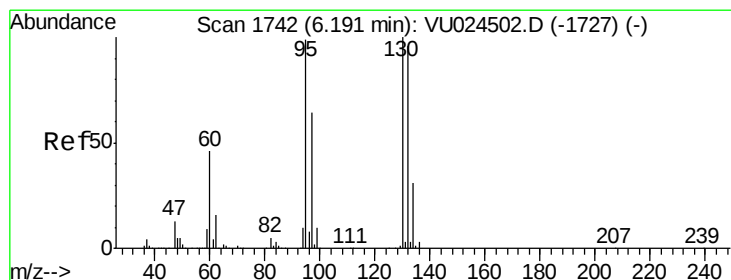
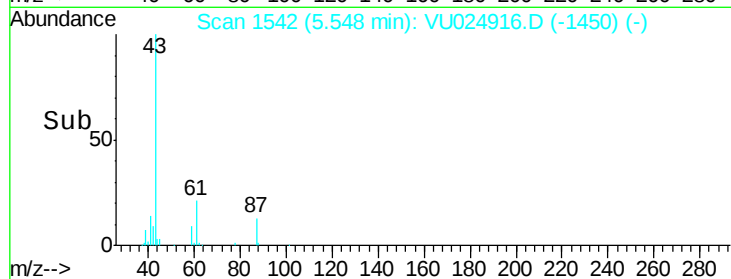
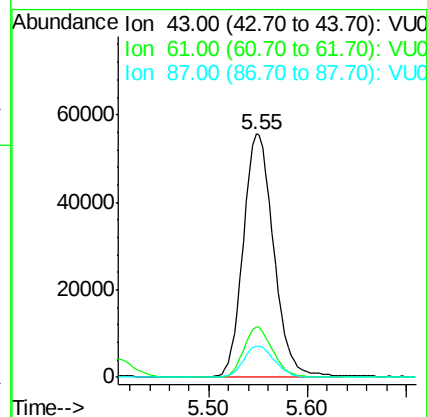
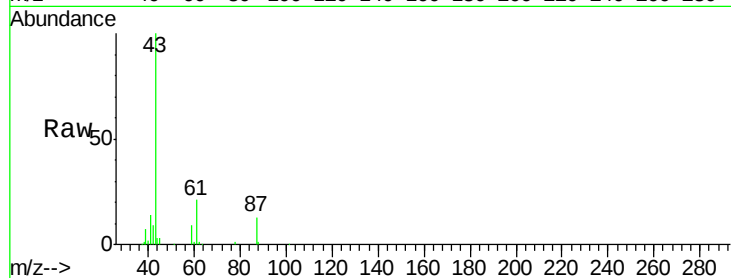




#43
Isopropyl Acetate
Concen: 20.155 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

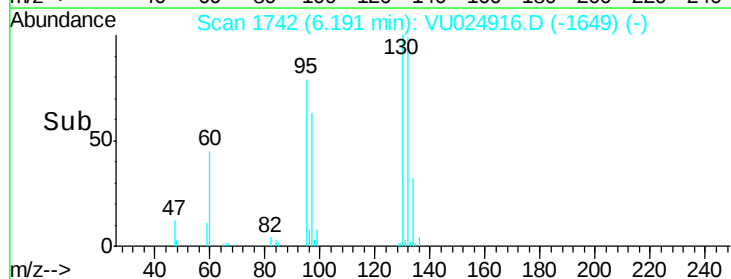
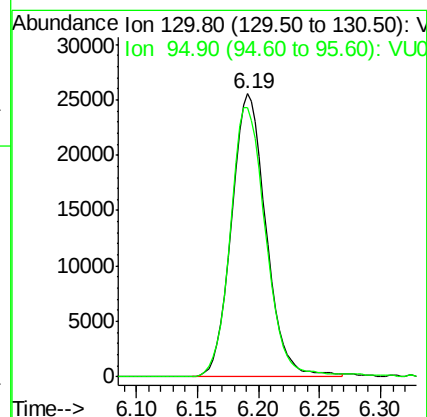
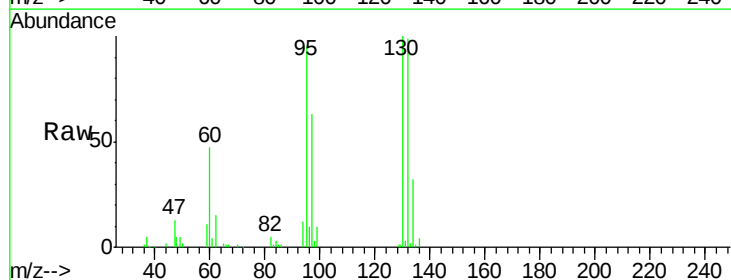
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

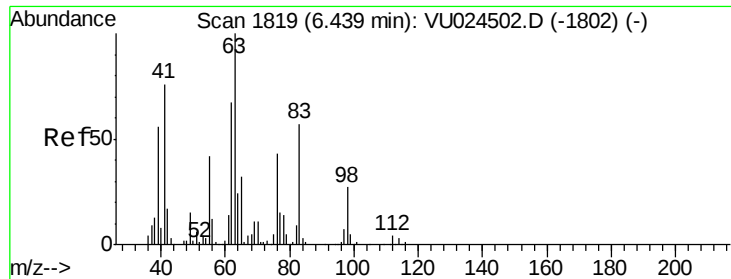
Tgt Ion: 43 Resp: 118933
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0
87 13.1 10.0 15.0



#44
Trichloroethene
Concen: 19.869 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 130 Resp: 50466
Ion Ratio Lower Upper
130 100
95 95.1 0.0 202.4

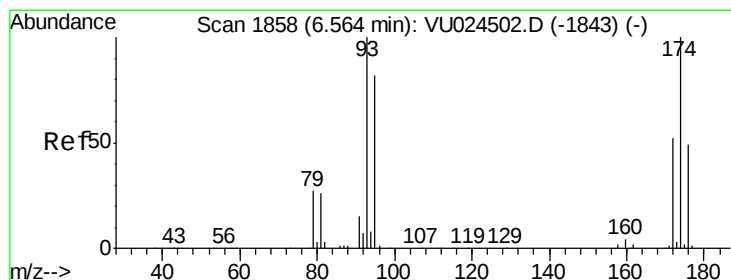
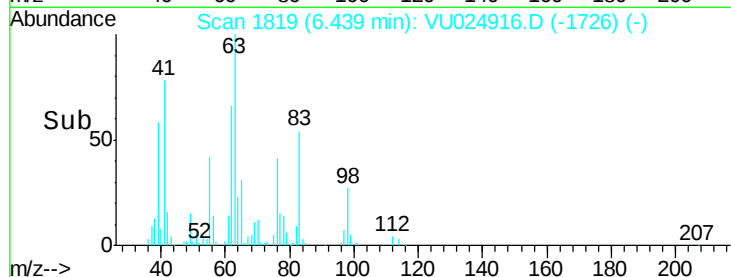
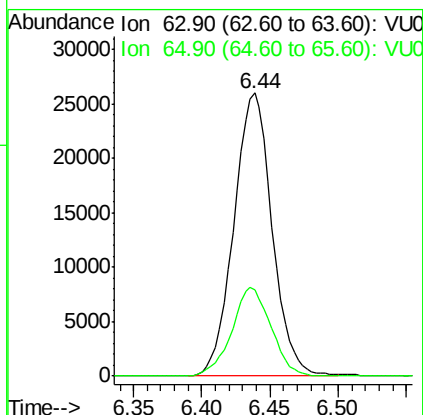
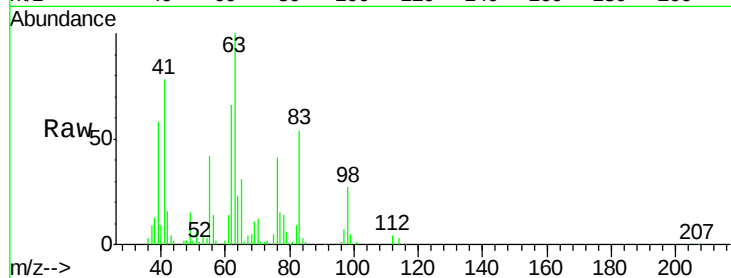




#45
 1,2-Dichloropropane
 Concen: 21.260 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

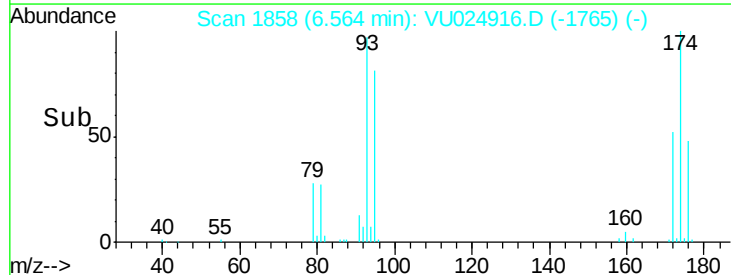
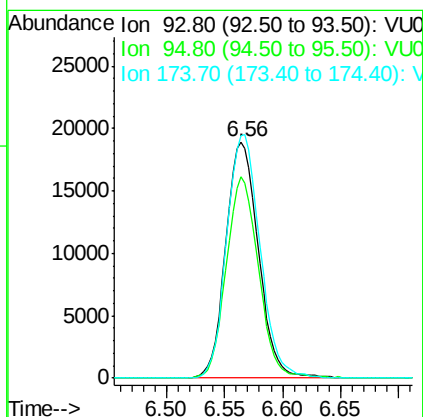
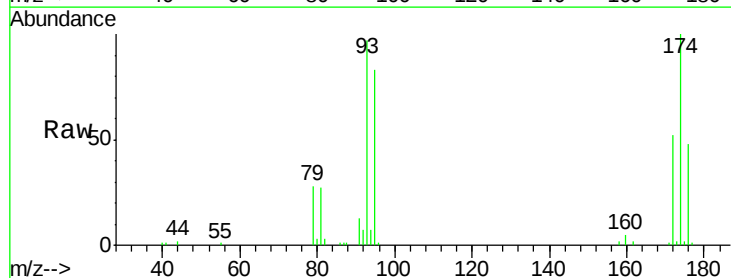
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 63 Resp: 50627
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 21.990 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 93 Resp: 36782
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.5 98.3
 174 105.6 78.7 118.1





#47

Bromodichloromethane

Concen: 20.970 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

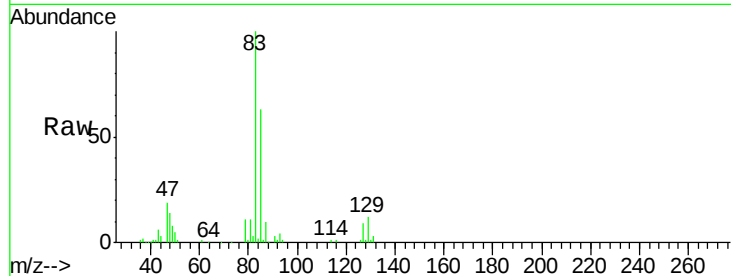
Tgt Ion: 83 Resp: 69845

Ion Ratio Lower Upper

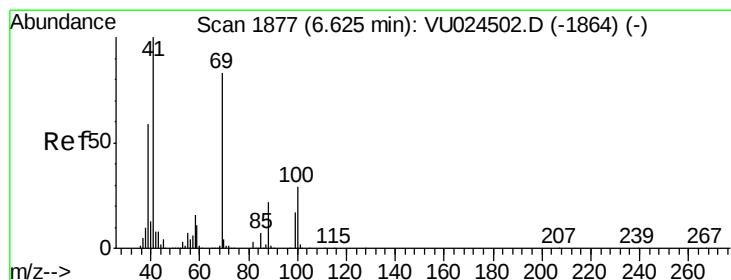
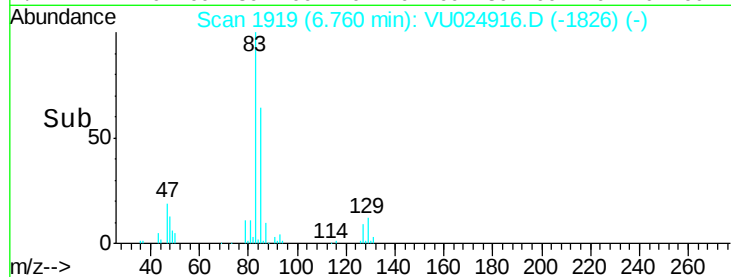
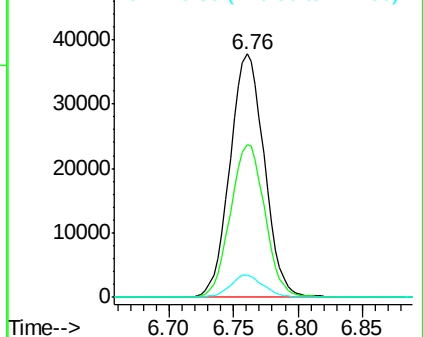
83 100

85 62.8 51.9 77.9

127 9.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.076 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

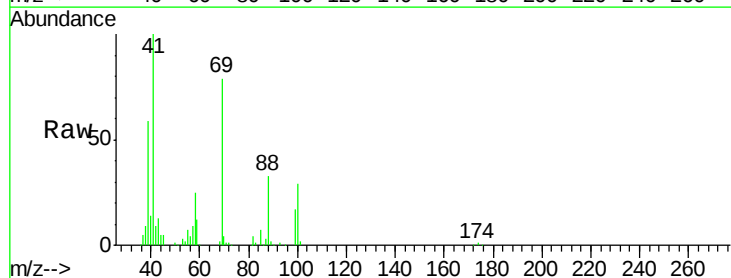
Tgt Ion: 41 Resp: 60559

Ion Ratio Lower Upper

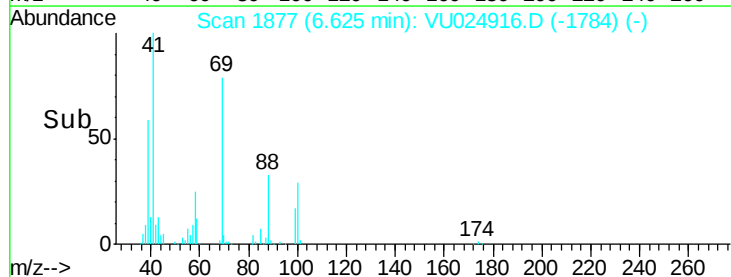
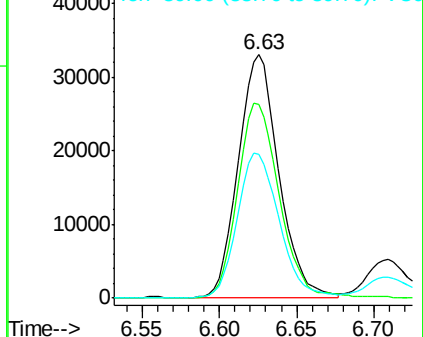
41 100

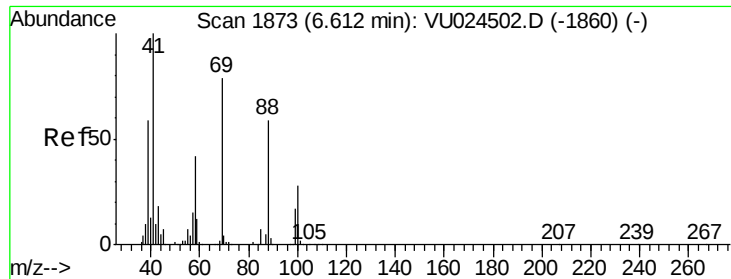
69 81.9 67.3 100.9

39 61.5 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

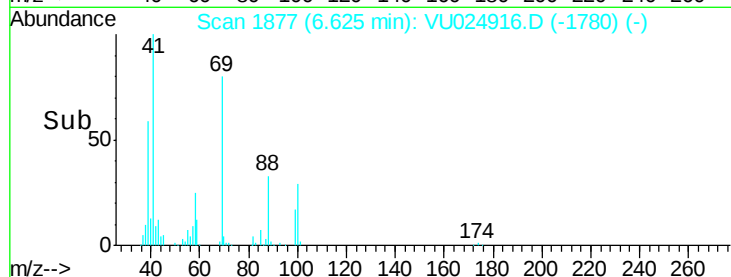
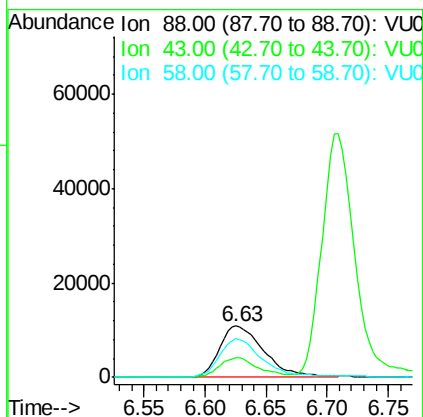
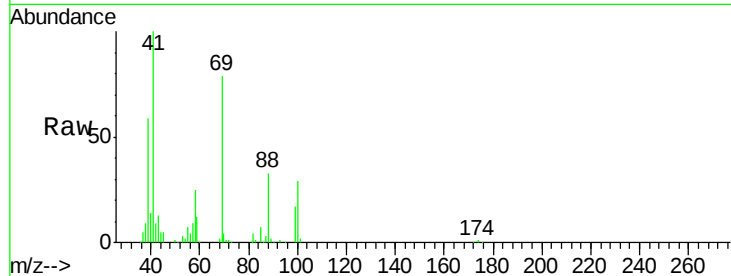




#49
 1,4-Dioxane
 Concen: 491.227 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

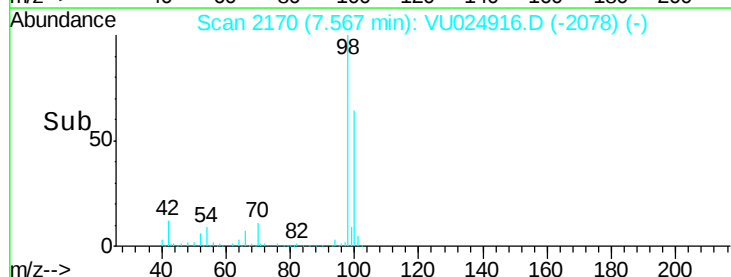
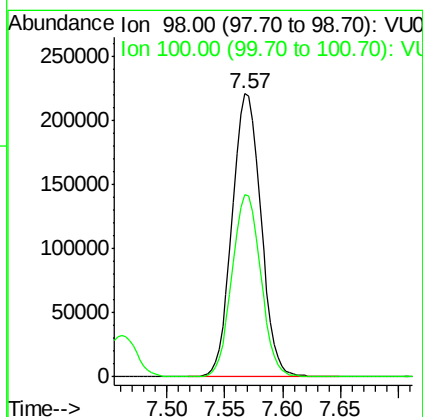
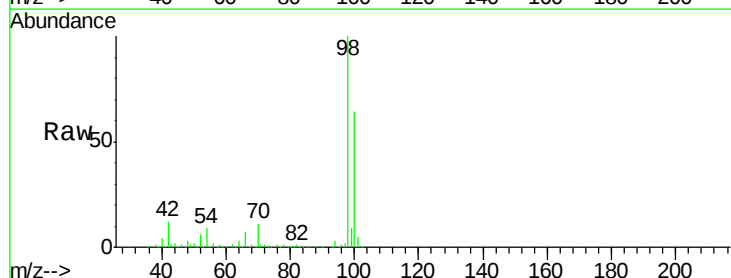
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 88 Resp: 27603
 Ion Ratio Lower Upper
 88 100
 43 34.8 28.6 42.8
 58 74.0 58.2 87.4



#50
 Toluene-d8
 Concen: 47.392 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 98 Resp: 382402
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7

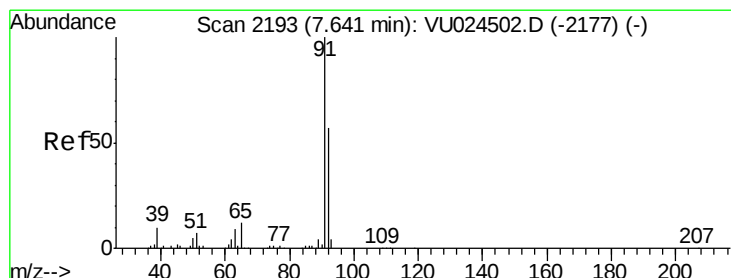
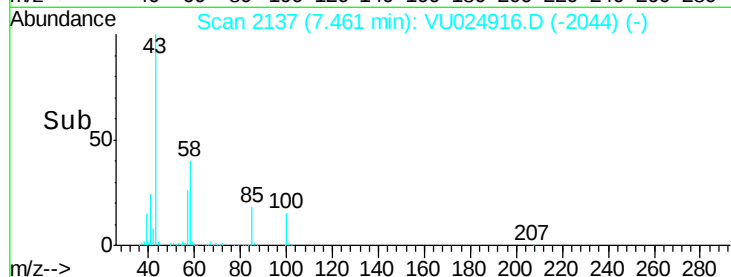
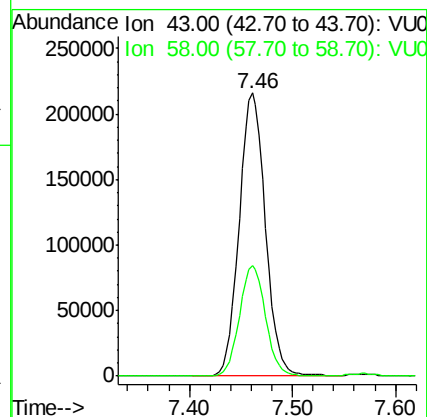
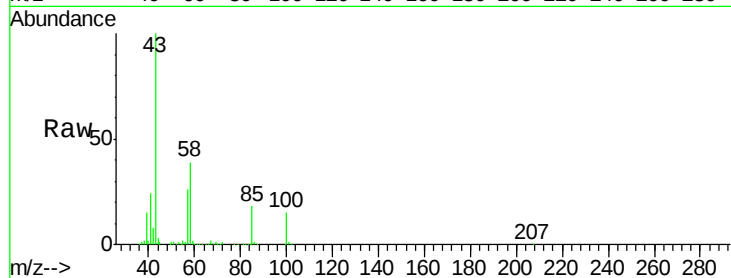




#51
 4-Methyl-2-Pentanone
 Concen: 103.362 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

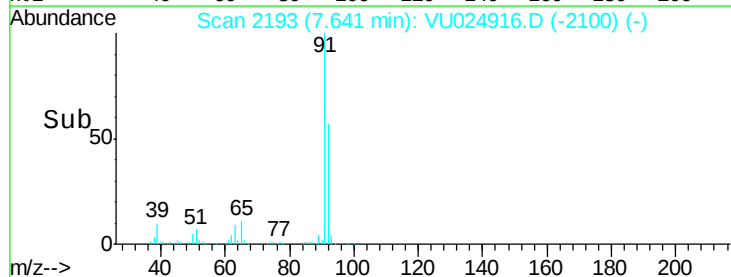
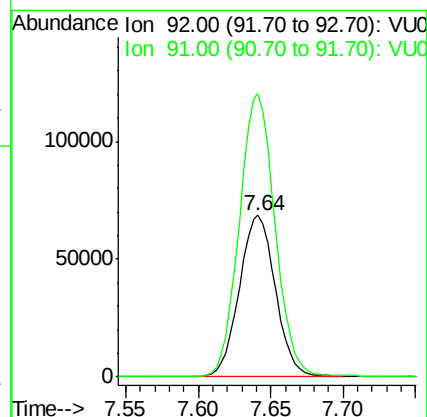
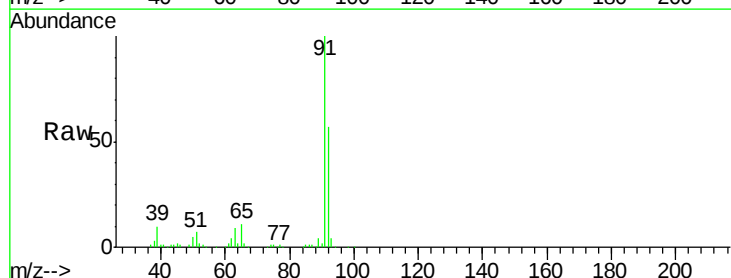
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 43 Resp: 383184
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.0 45.0



#52
 Toluene
 Concen: 20.737 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 92 Resp: 119067
 Ion Ratio Lower Upper
 92 100
 91 172.6 140.5 210.7

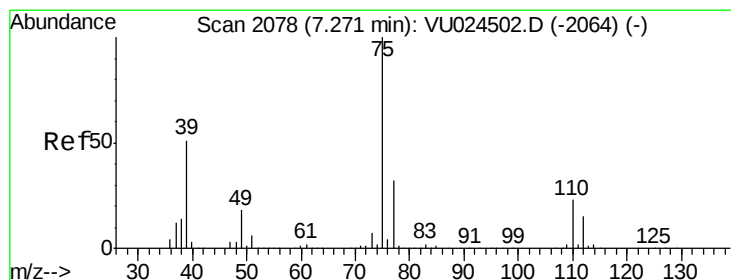
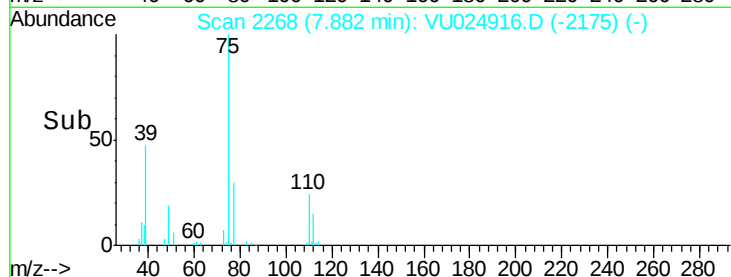
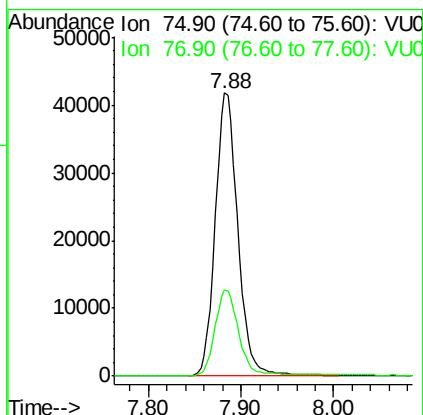
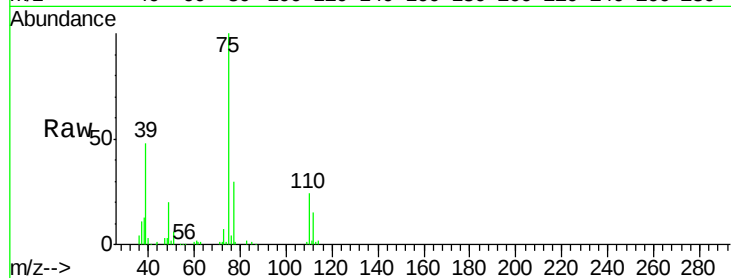




#53
 t-1,3-Dichloropropene
 Concen: 18.925 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

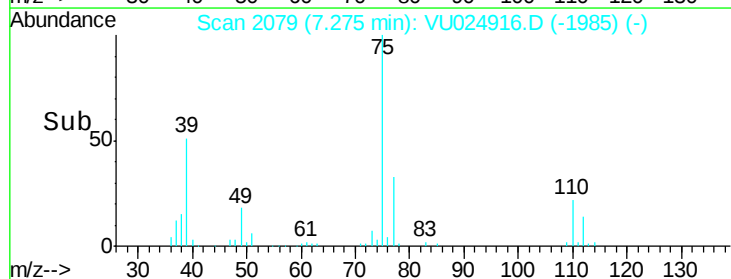
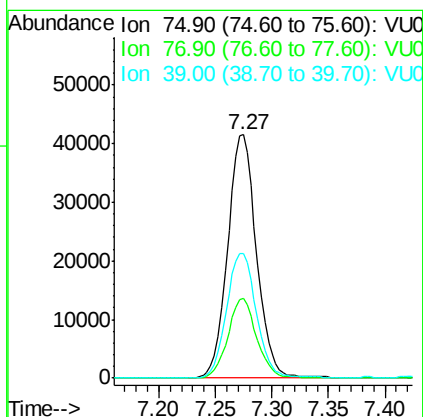
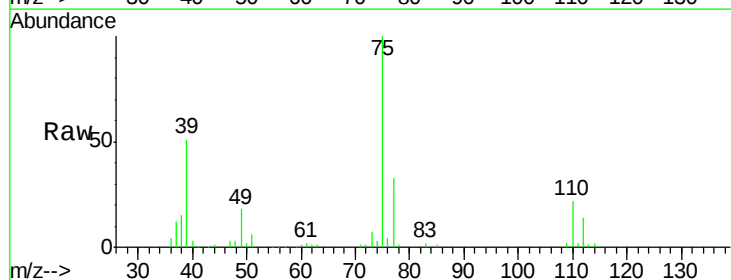
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 75 Resp: 70787
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.499 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 75 Resp: 73730
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 36.8
 39 51.2 39.8 59.6

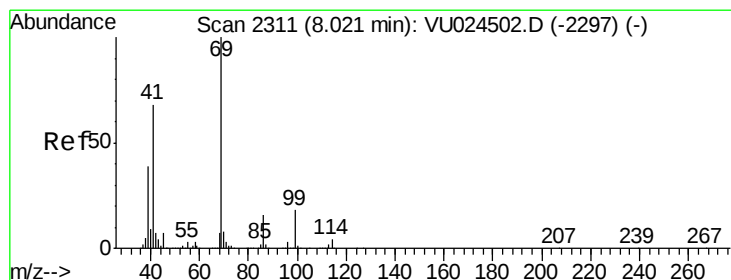
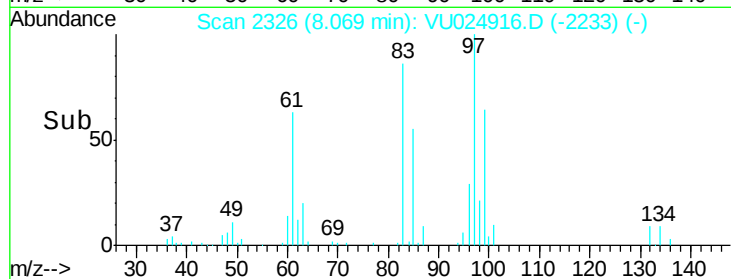
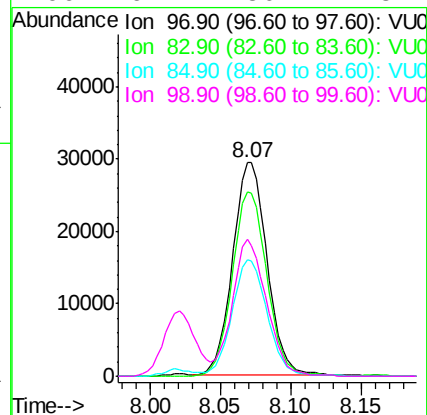
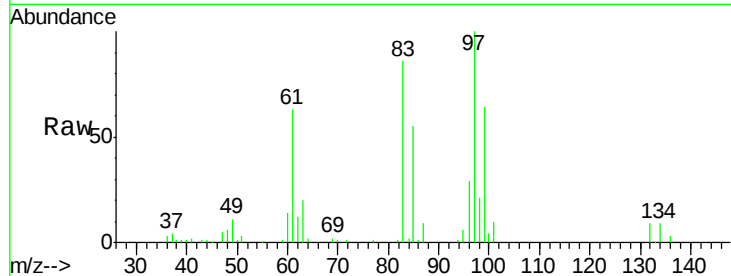




#55
 1,1,2-Trichloroethane
 Concen: 21.522 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

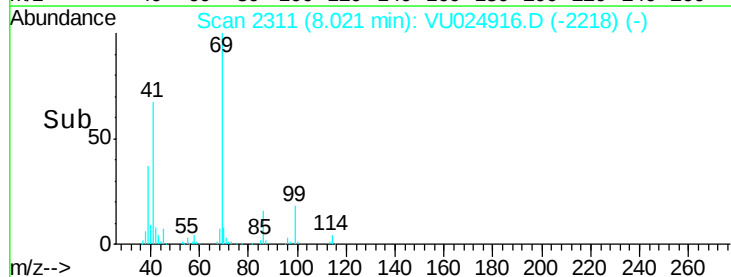
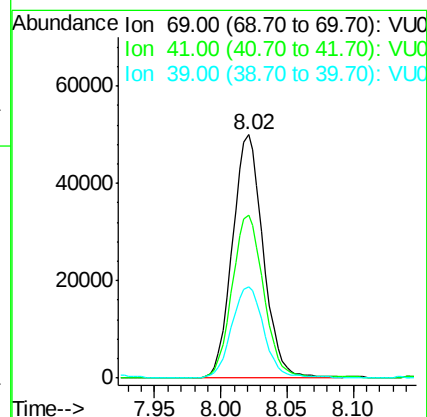
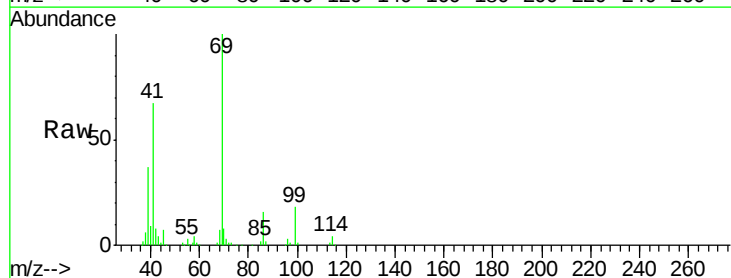
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

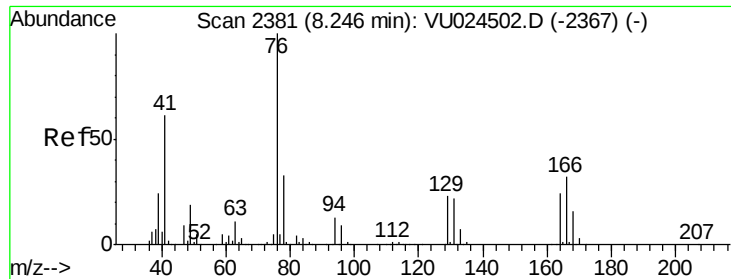
Tgt Ion:	97	Resp:	50233
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.5	105.7
85	54.6	46.4	69.6
99	64.1	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.598 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion:	69	Resp:	80466
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.1	81.1
39	39.3	30.3	45.5

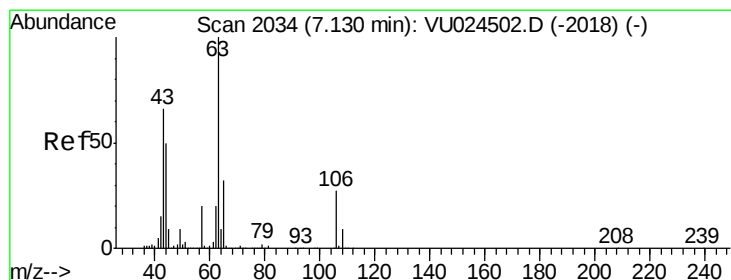
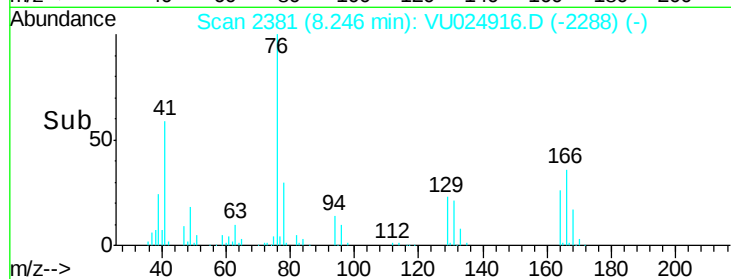
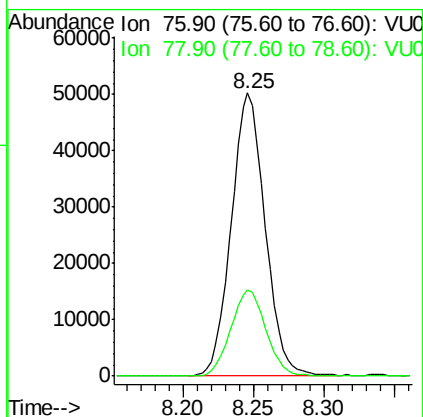
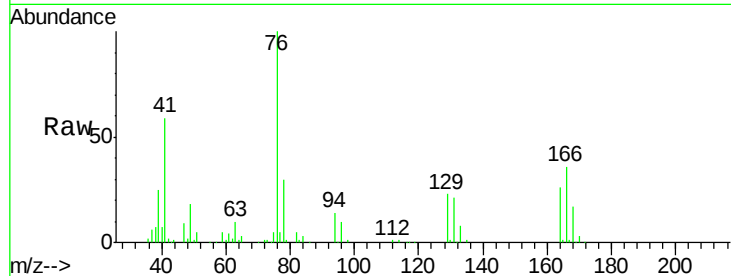




#57
 1,3-Dichloropropane
 Concen: 21.467 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

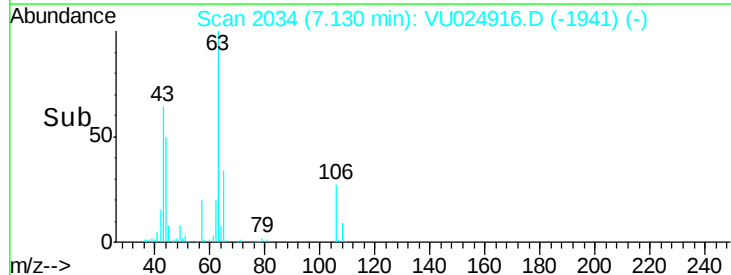
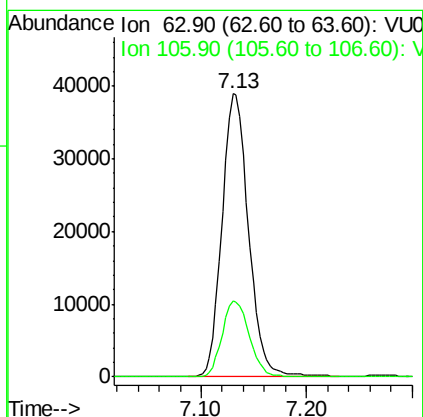
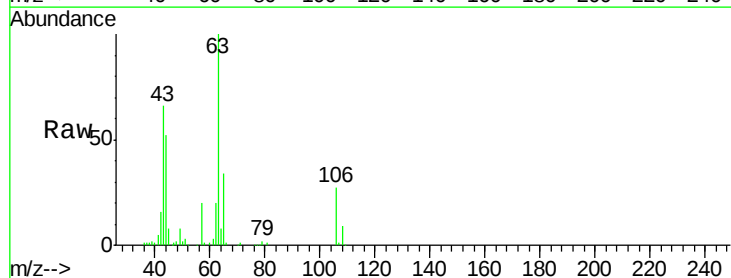
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 76 Resp: 84520
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.385 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 63 Resp: 67924
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.2 30.2

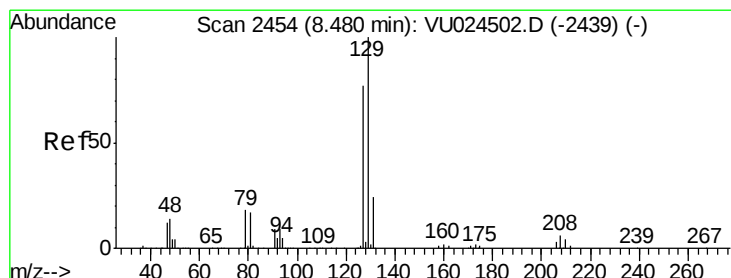
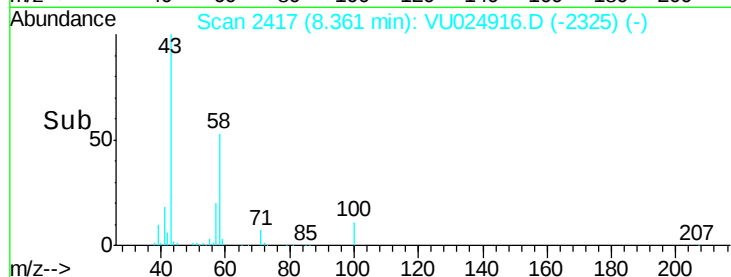
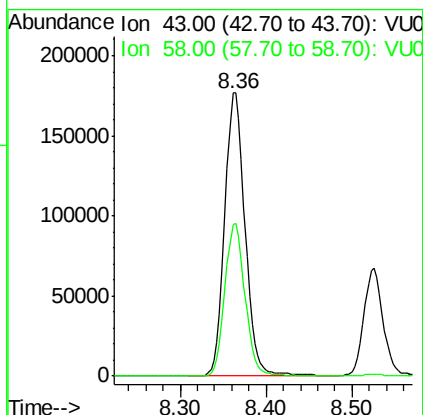
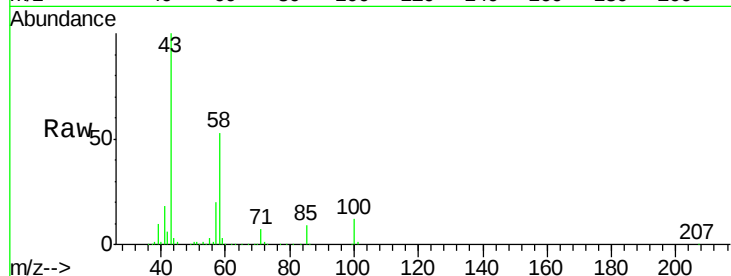




#59
2-Hexanone
Concen: 96.952 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

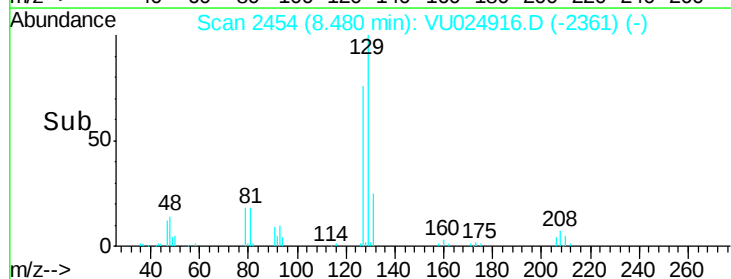
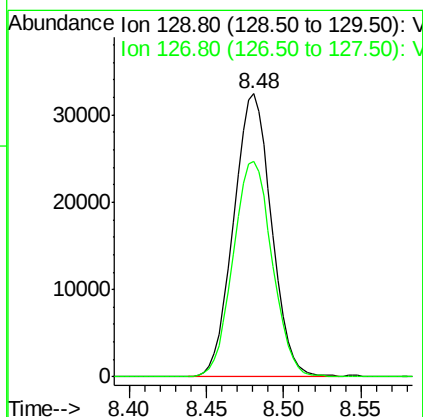
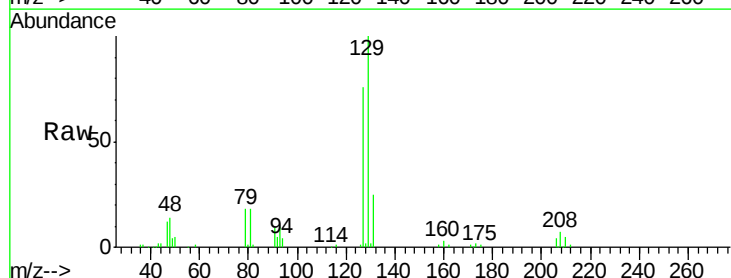
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

Tgt Ion: 43 Resp: 293432
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 18.980 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 129 Resp: 55242
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0

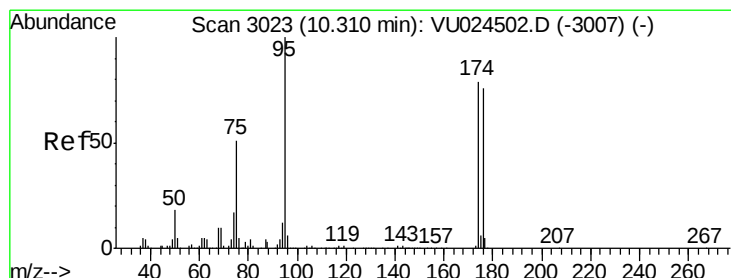
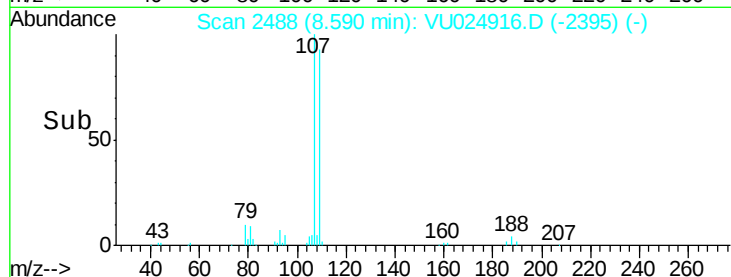
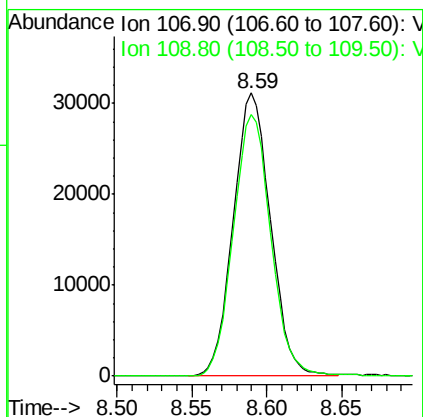
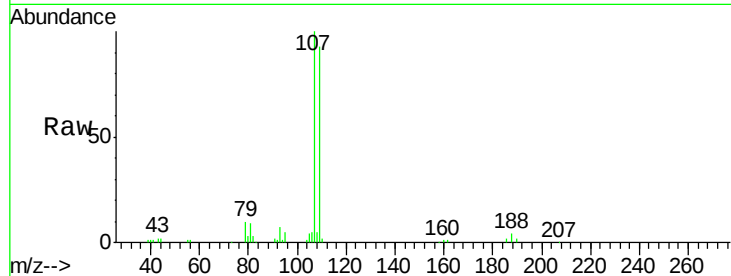




#61
 1,2-Dibromoethane
 Concen: 20.802 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

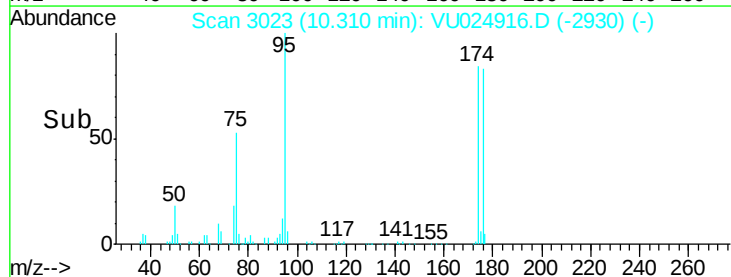
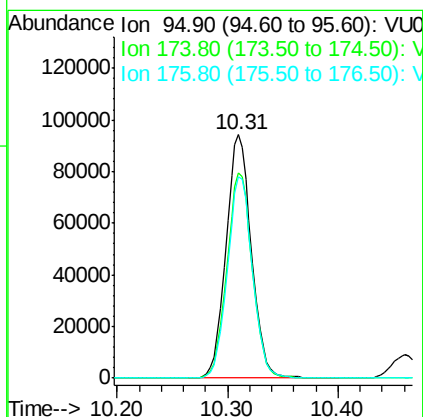
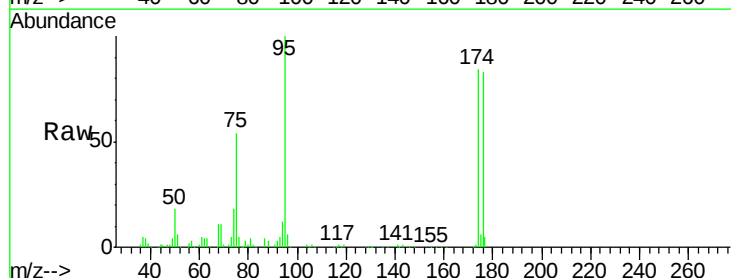
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 107 Resp: 54039
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 46.609 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 95 Resp: 149320
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 165.8
 176 82.2 0.0 159.4

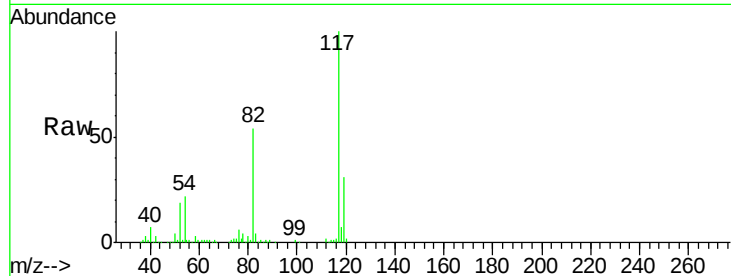




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.3	66.5
119	31.1	25.4	38.2

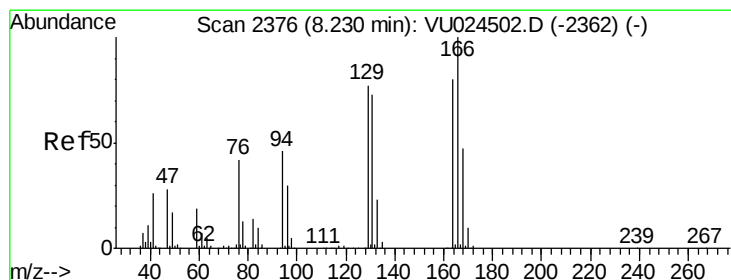
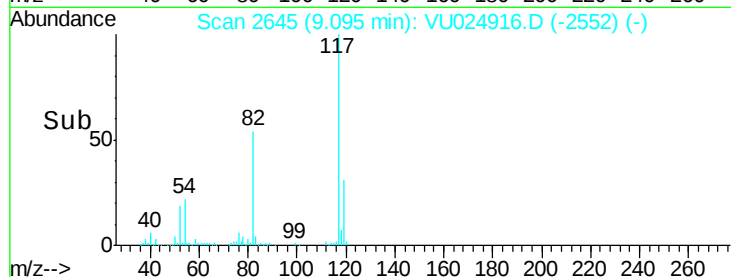
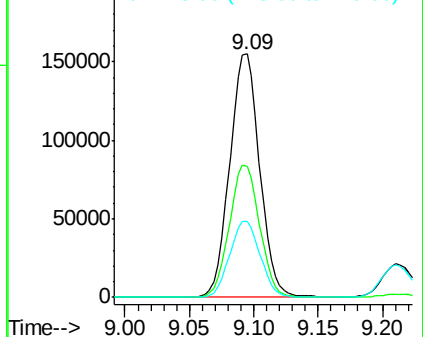


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.702 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.7	152.5
129	89.8	76.9	115.3
131	89.8	74.9	112.3

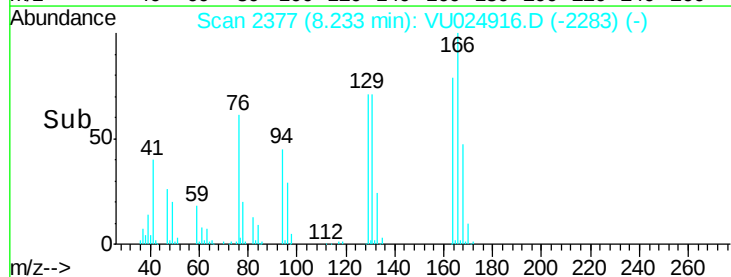
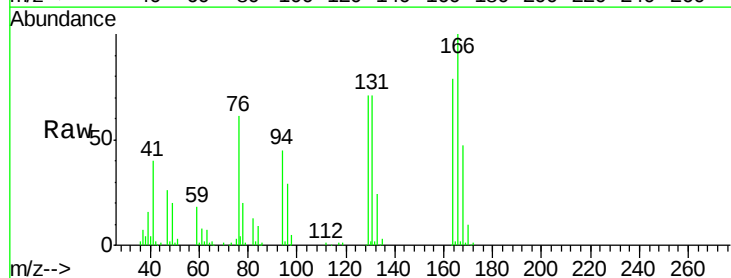
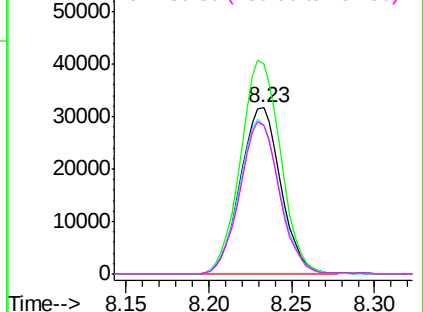
Abundance

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

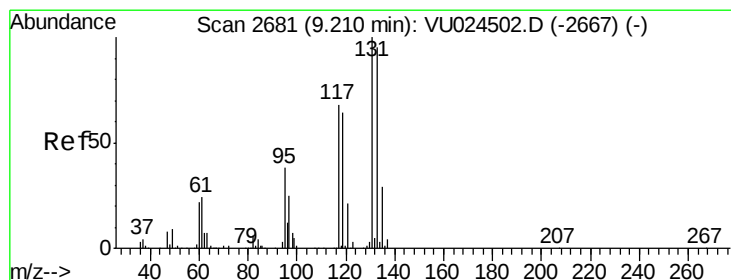
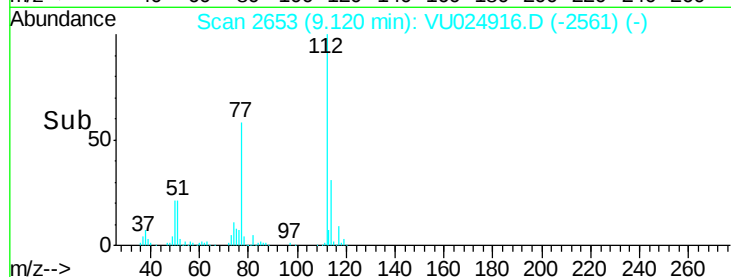
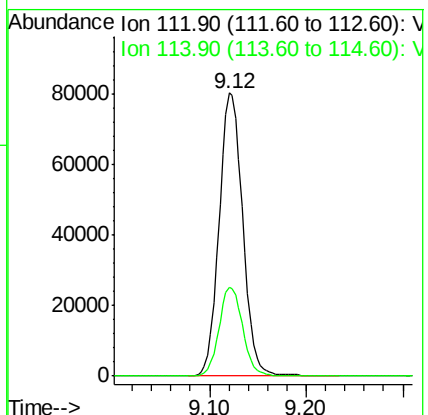
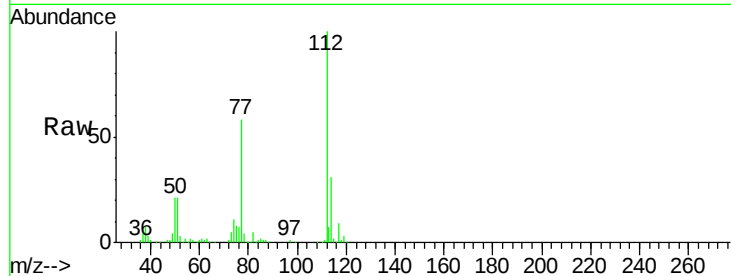




#65
Chlorobenzene
Concen: 21.393 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

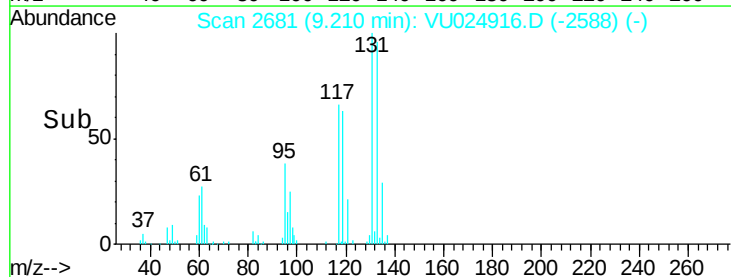
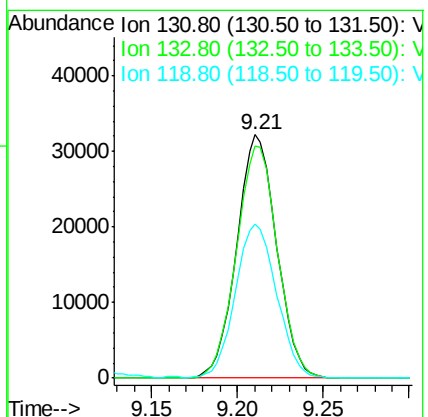
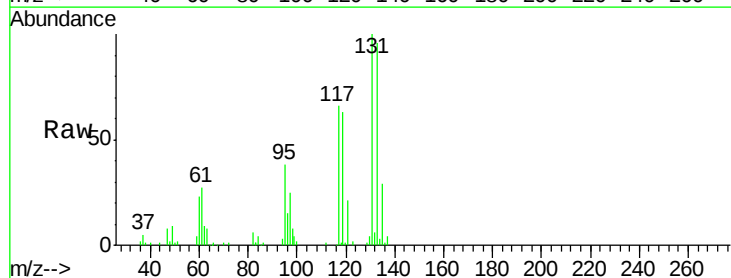
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

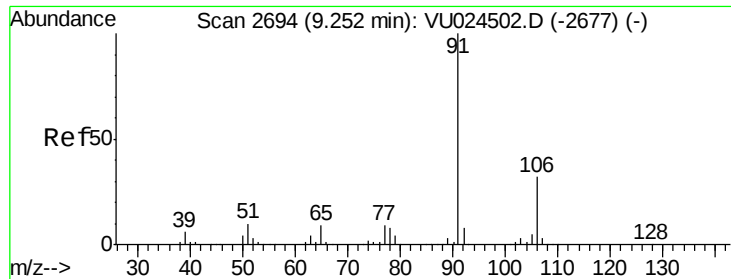
Tgt Ion:112 Resp: 136265
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.467 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion:131 Resp: 51949
Ion Ratio Lower Upper
131 100
133 98.4 46.9 140.8
119 65.6 33.5 100.4

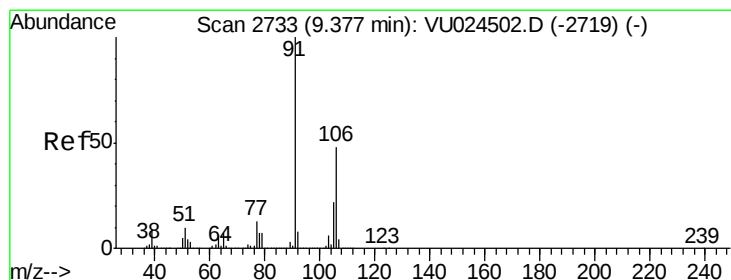
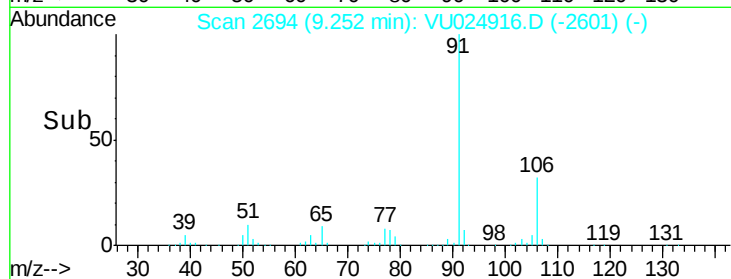
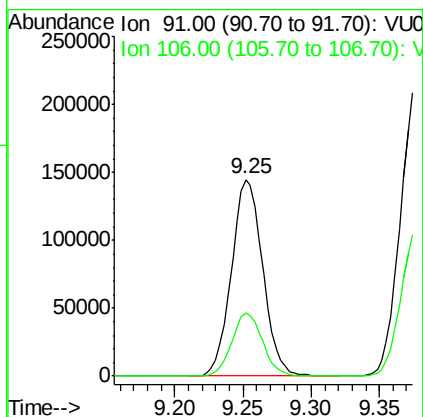
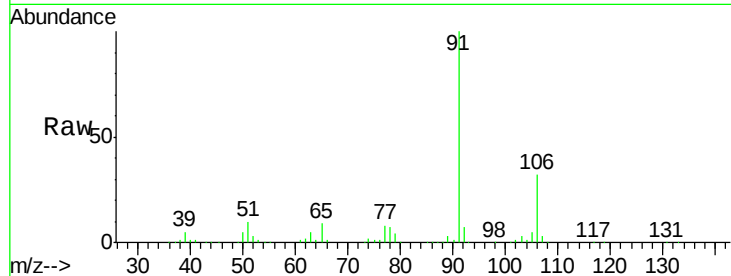




#67
Ethyl Benzene
Concen: 20.702 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

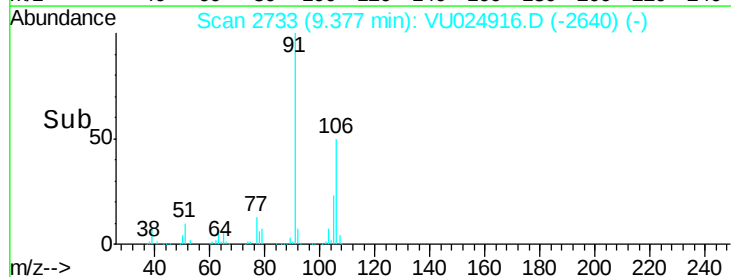
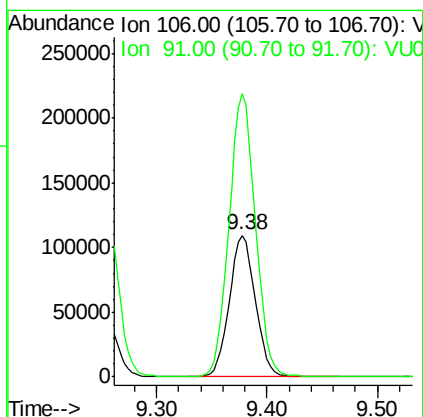
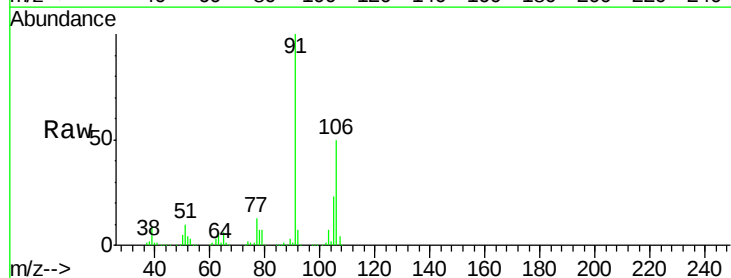
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

Tgt Ion: 91 Resp: 231164
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.4



#68
m/p-Xylenes
Concen: 41.723 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 106 Resp: 178905
Ion Ratio Lower Upper
106 100
91 202.9 166.5 249.7

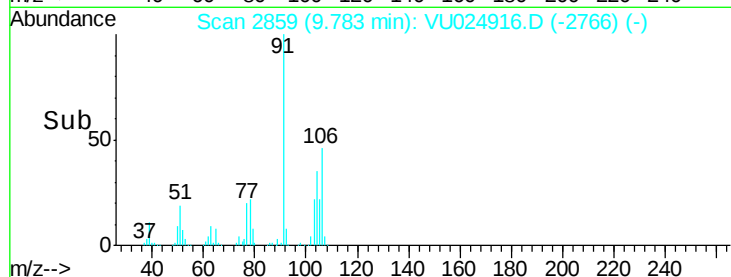
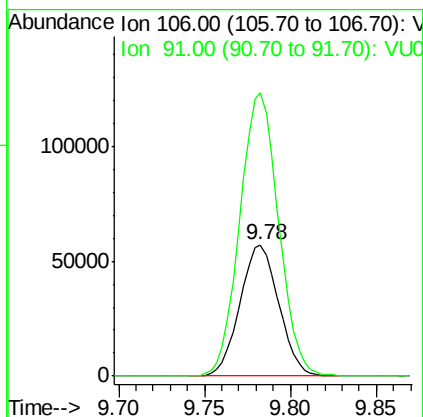
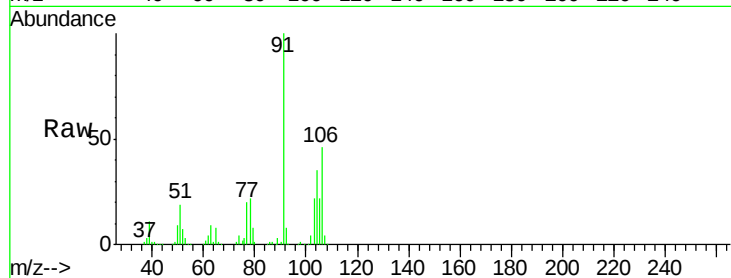




#69
o-Xylene
Concen: 21.086 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

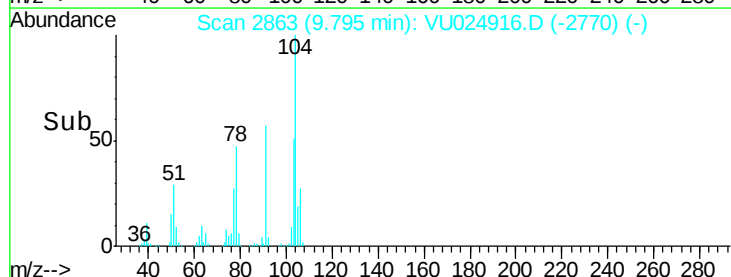
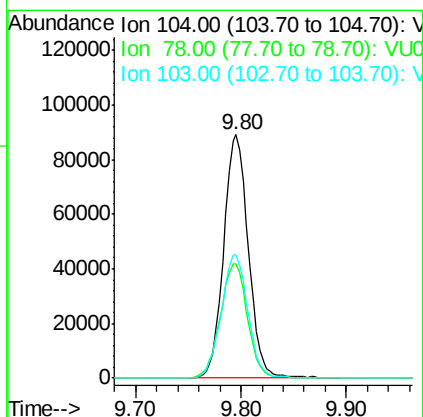
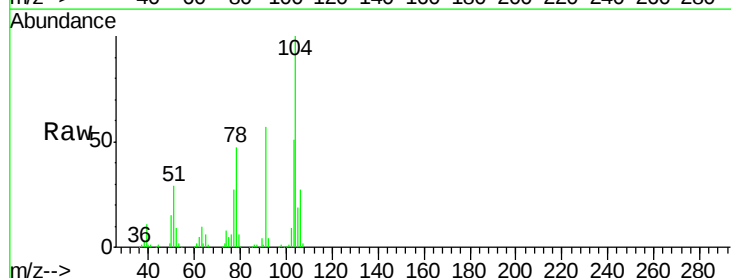
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBSD02

Tgt Ion:106 Resp: 89480
Ion Ratio Lower Upper
106 100
91 215.1 110.7 331.9



#70
Styrene
Concen: 20.705 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion:104 Resp: 144389
Ion Ratio Lower Upper
104 100
78 51.6 40.6 60.8
103 54.6 44.7 67.1





#71

Bromoform

Concen: 18.606 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

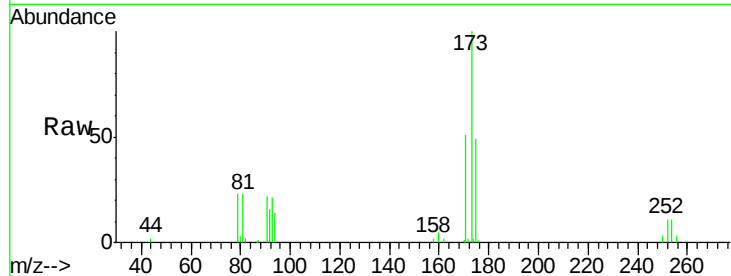
Tgt Ion:173 Resp: 42796

Ion Ratio Lower Upper

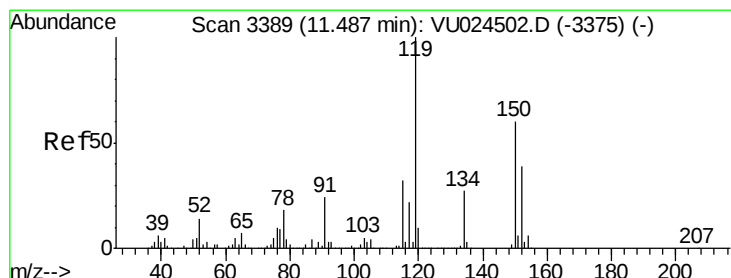
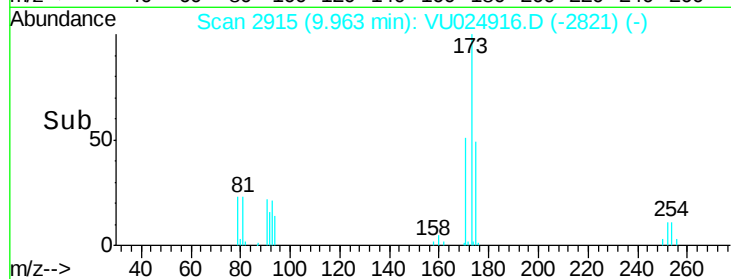
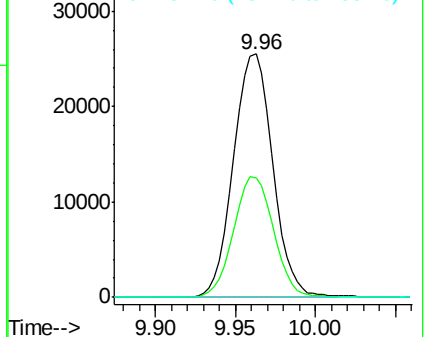
173 100

175 50.1 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

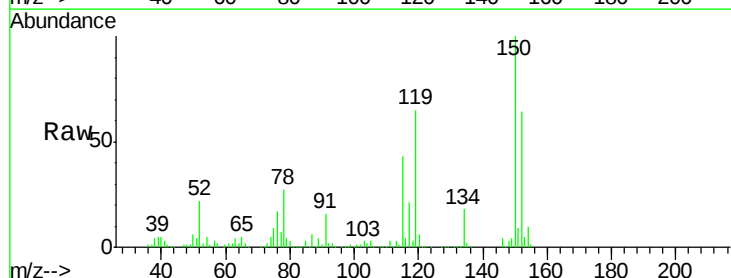
Tgt Ion:152 Resp: 139137

Ion Ratio Lower Upper

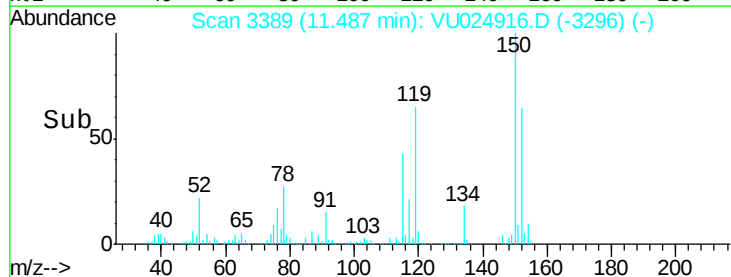
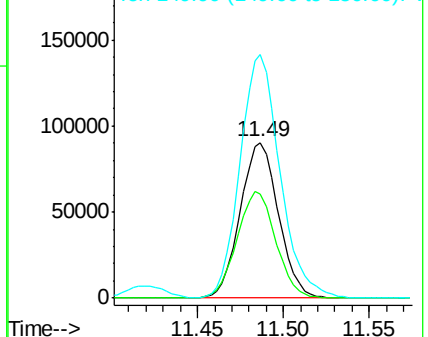
152 100

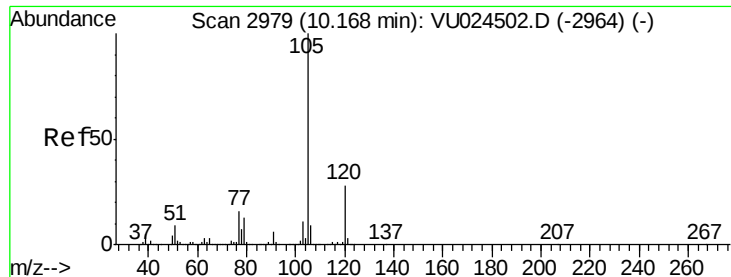
115 69.8 43.0 129.0

150 163.9 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: 22.477 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

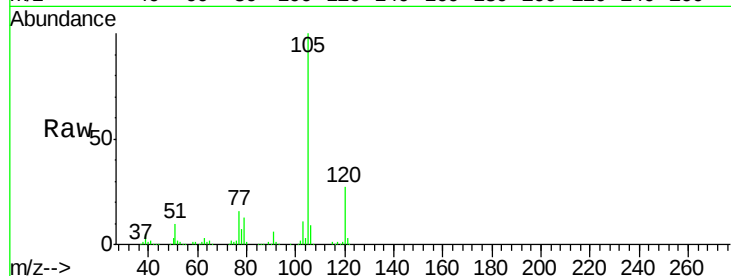
VU0625MBS02

Tgt Ion:105 Resp: 240102

Ion Ratio Lower Upper

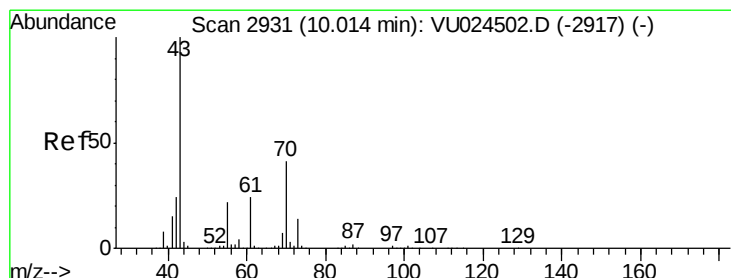
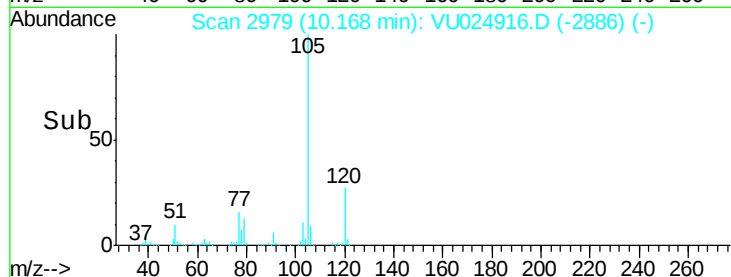
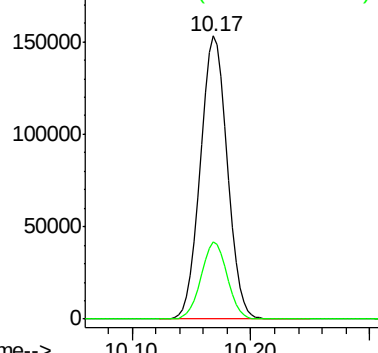
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.154 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Tgt Ion: 43 Resp: 102404

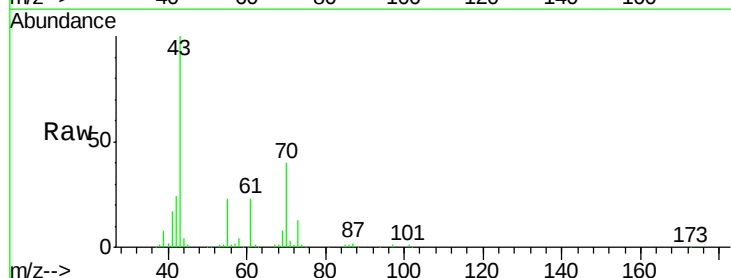
Ion Ratio Lower Upper

43 100

70 40.9 32.2 48.4

55 23.1 20.5 30.7

61 23.5 18.7 28.1

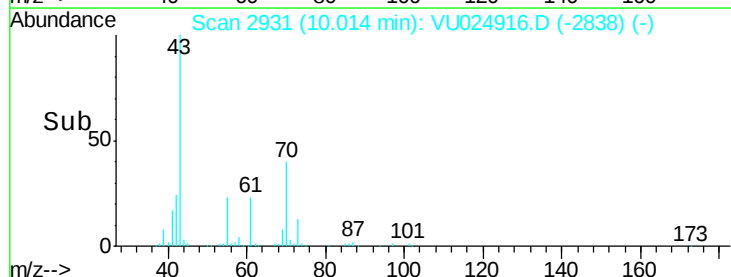
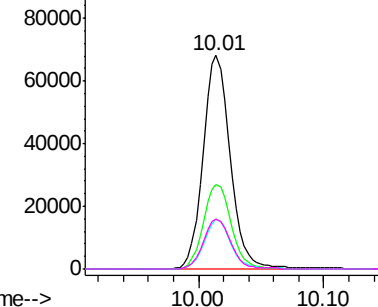


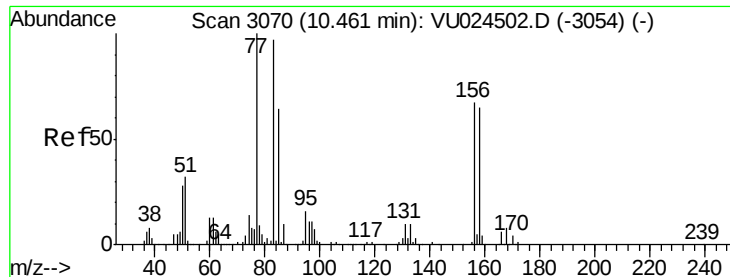
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.781 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

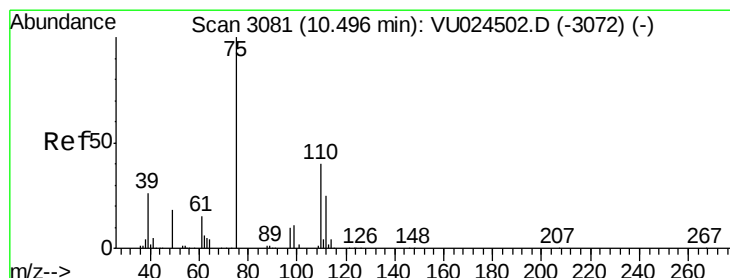
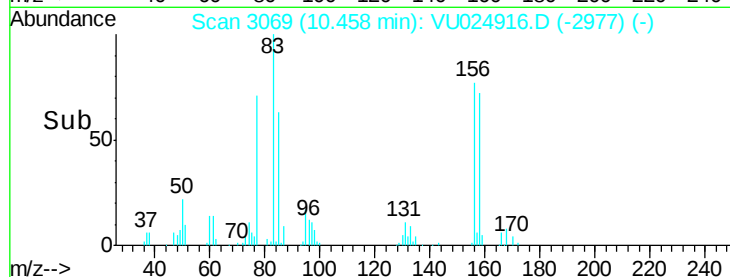
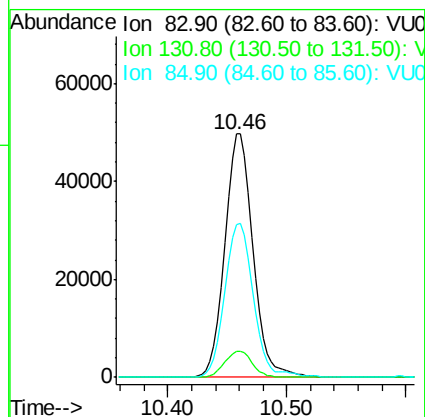
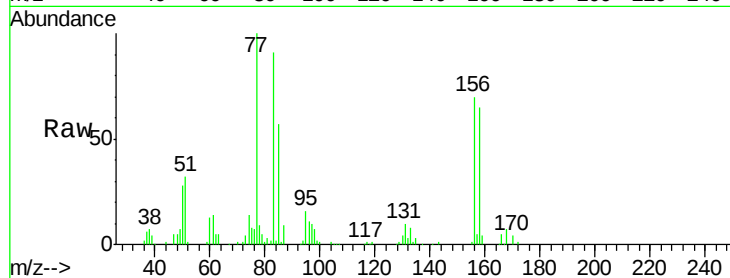
Tgt Ion: 83 Resp: 81550

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

85 64.3 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 30.141 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024916.D

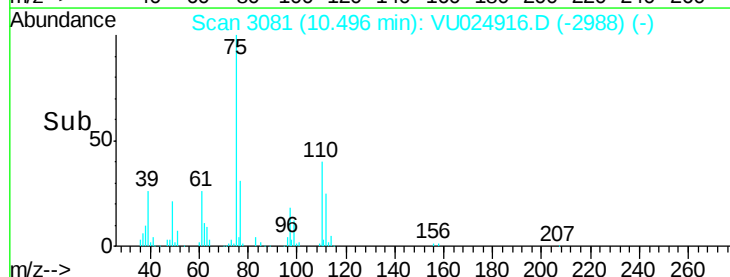
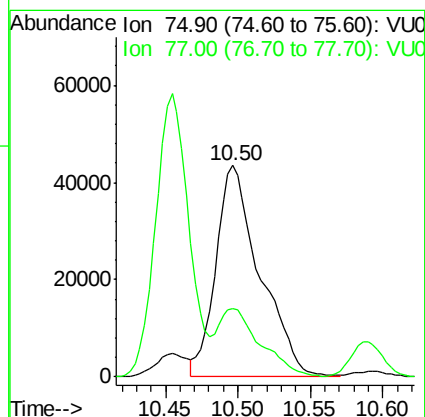
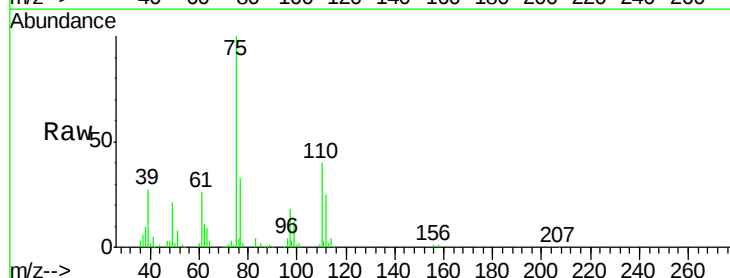
Acq: 26 Jun 2018 08:15

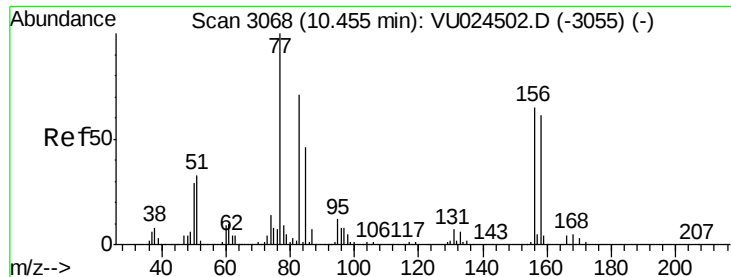
Tgt Ion: 75 Resp: 92330

Ion Ratio Lower Upper

75 100

77 31.6 20.9 62.7





#77

Bromobenzene

Concen: 22.837 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

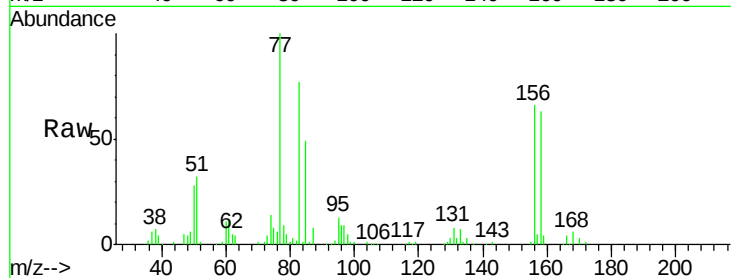
Tgt Ion:156 Resp: 61761

Ion Ratio Lower Upper

156 100

77 150.5 80.5 241.3

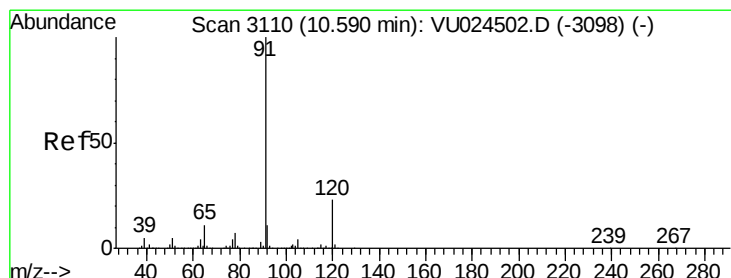
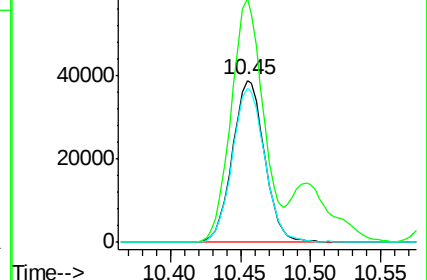
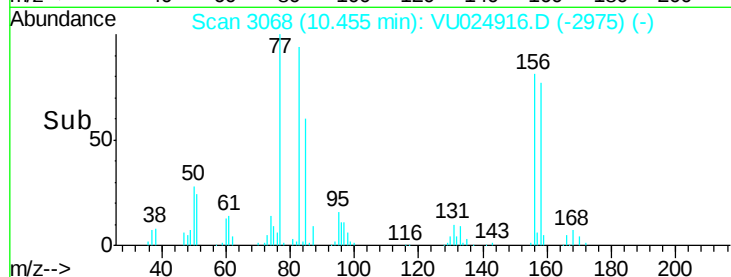
158 96.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.108 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024916.D

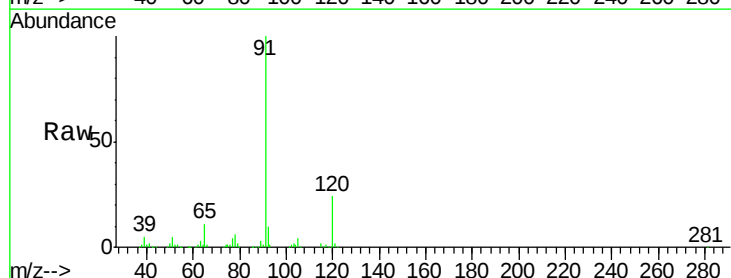
Acq: 26 Jun 2018 08:15

Tgt Ion: 91 Resp: 265620

Ion Ratio Lower Upper

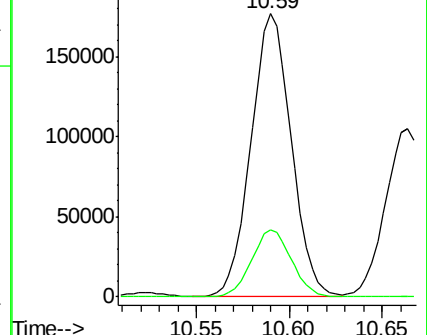
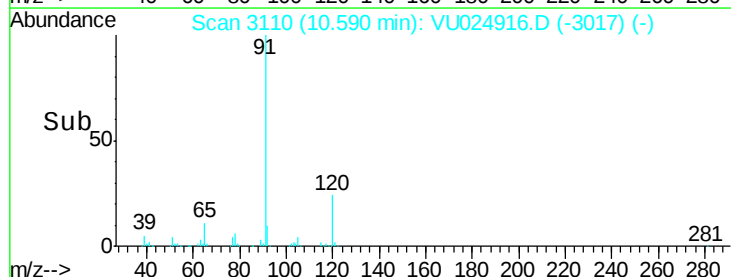
91 100

120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.095 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

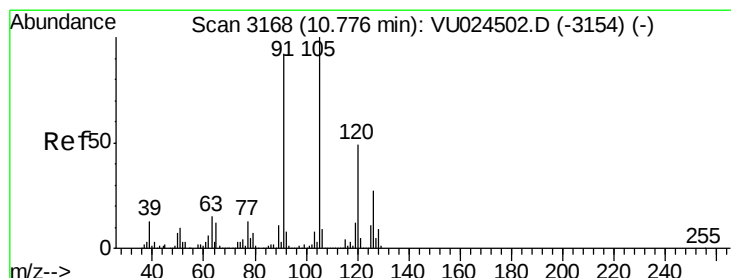
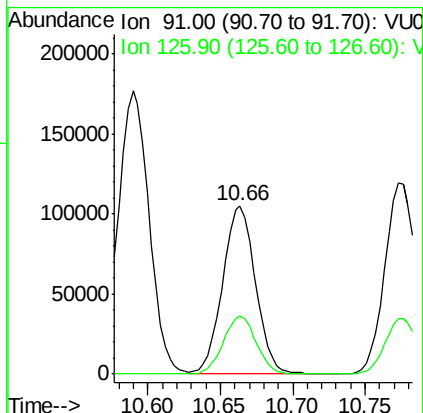
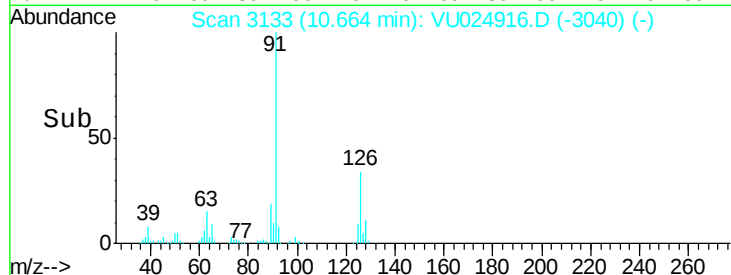
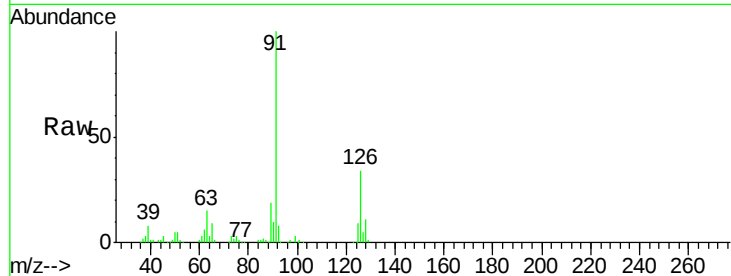
VU0625MBSD02

Tgt Ion: 91 Resp: 163964

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.661 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024916.D

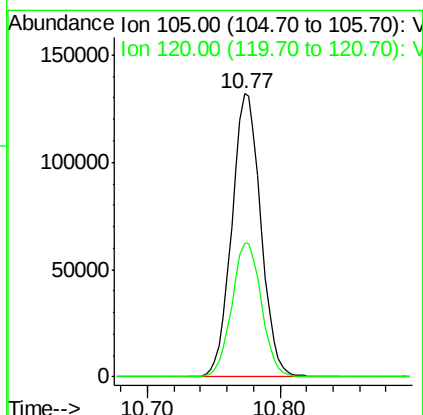
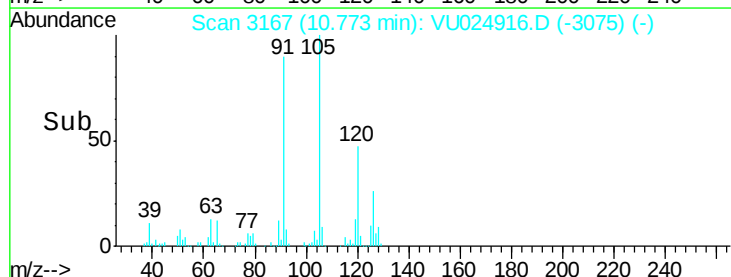
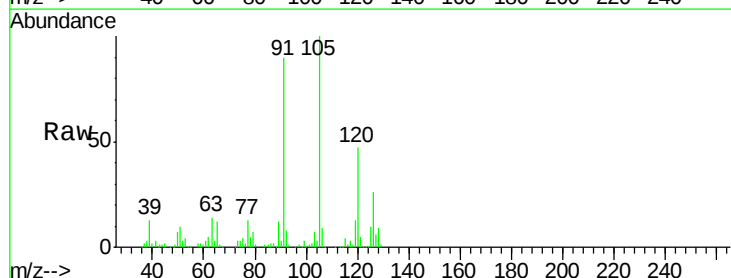
Acq: 26 Jun 2018 08:15

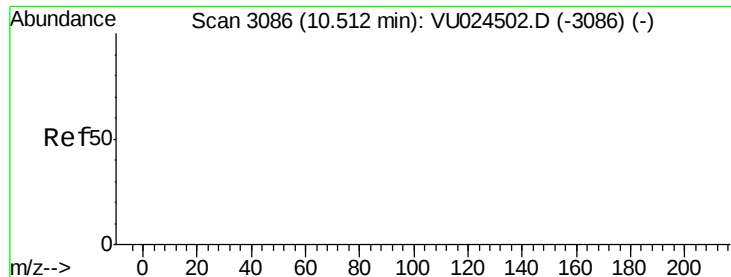
Tgt Ion: 105 Resp: 200557

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2

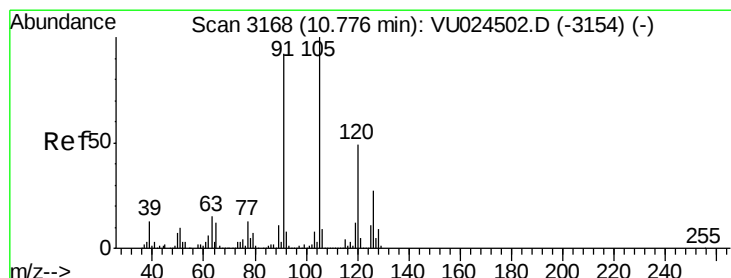
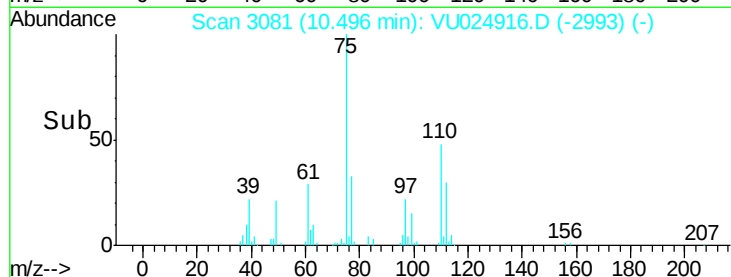
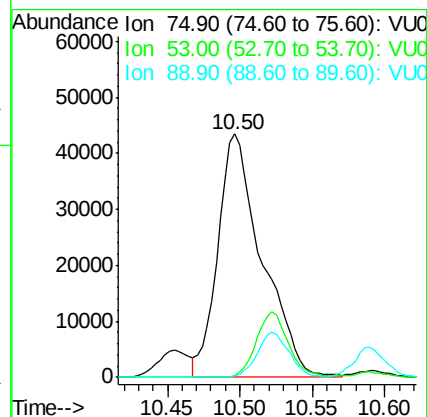
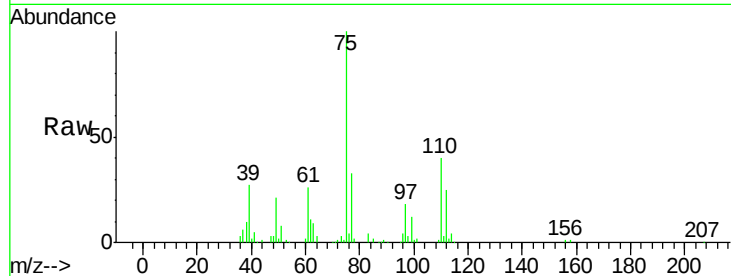




#81
trans-1,4-Dichloro-2-butene
Concen: 69.758 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

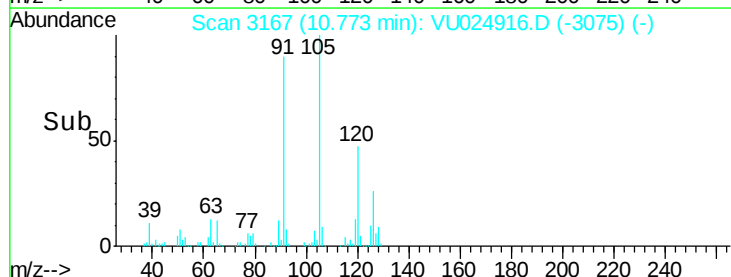
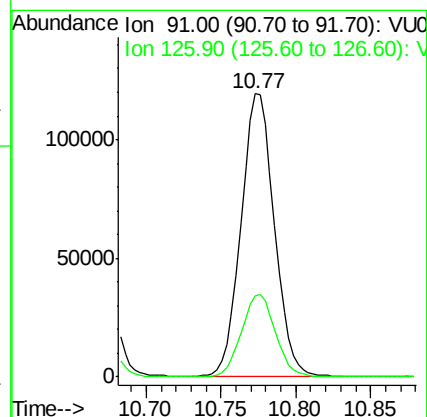
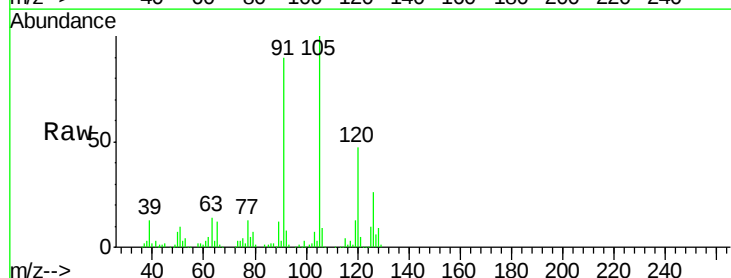
Instrument :
MSVOA_U
ClientSampleId :
VU0625MBS02

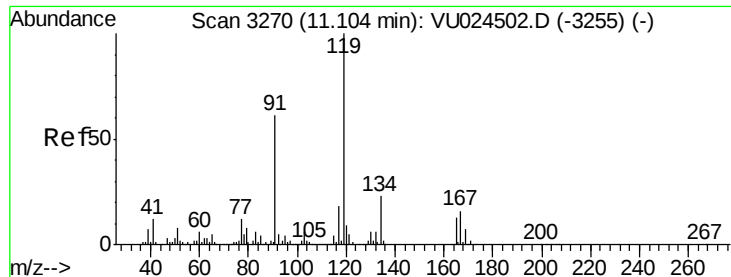
Tgt Ion: 75 Resp: 92330
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.301 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU024916.D
Acq: 26 Jun 2018 08:15

Tgt Ion: 91 Resp: 183983
Ion Ratio Lower Upper
91 100
126 29.8 14.9 44.9

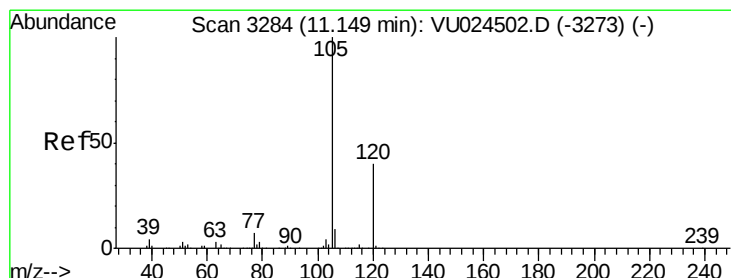
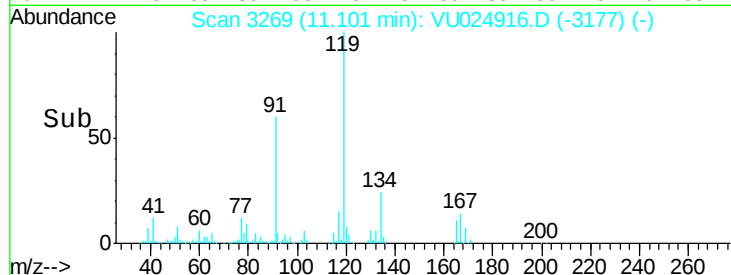
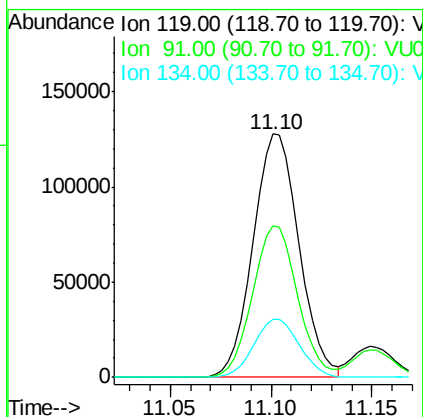
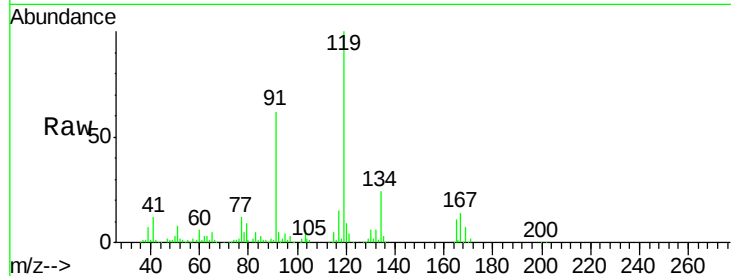




#83
 tert-Butylbenzene
 Concen: 22.881 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

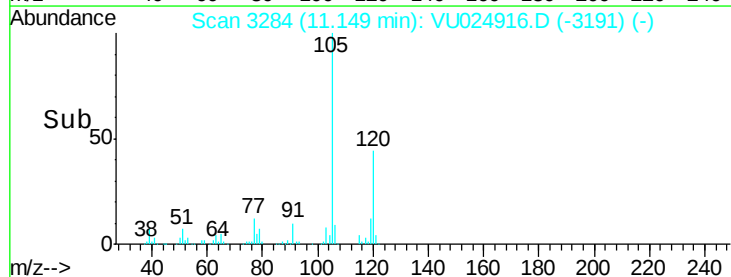
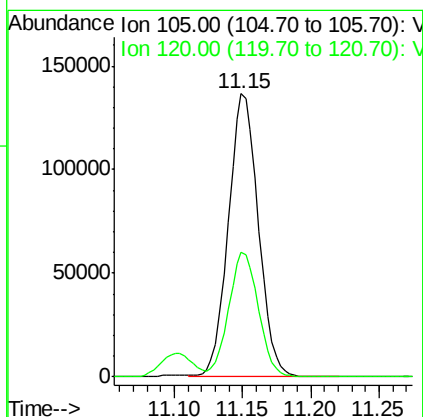
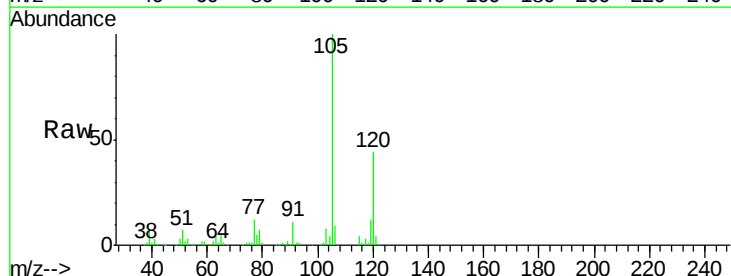
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

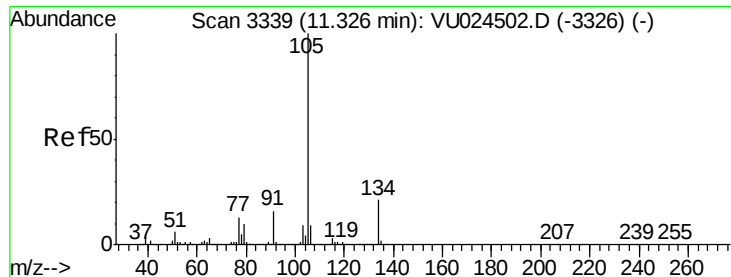
Tgt Ion:119 Resp: 203784
 Ion Ratio Lower Upper
 119 100
 91 60.8 29.7 89.1
 134 23.6 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.076 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion:105 Resp: 208306
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.8

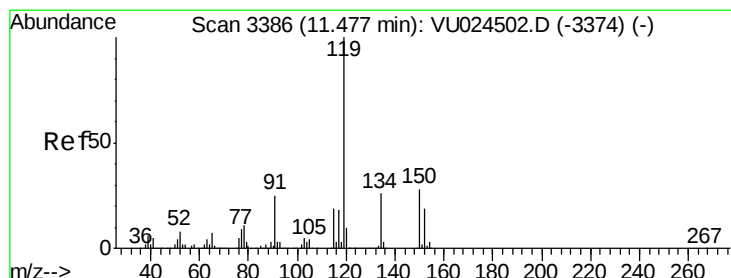
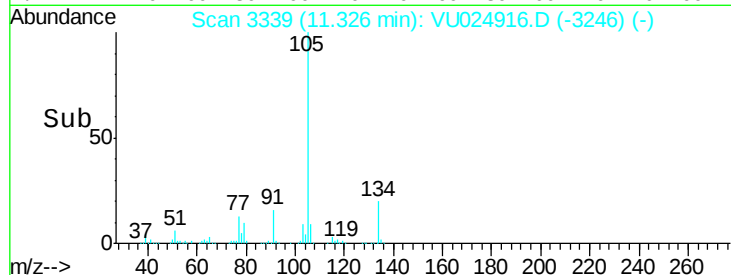
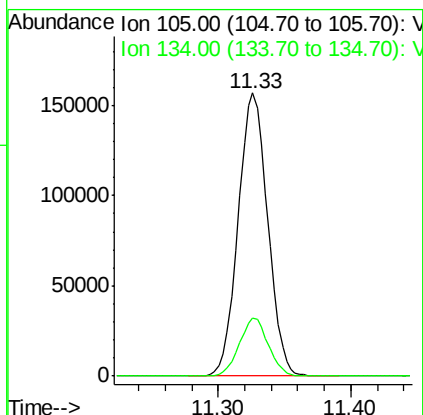
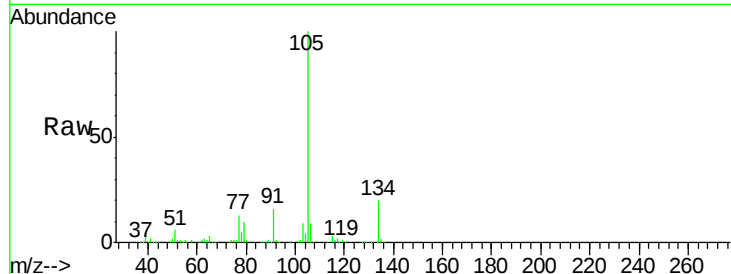




#85
 sec-Butylbenzene
 Concen: 21.754 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

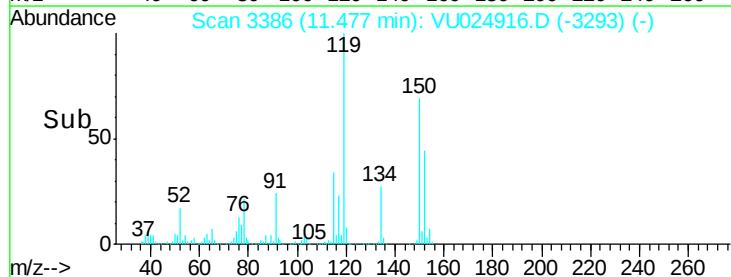
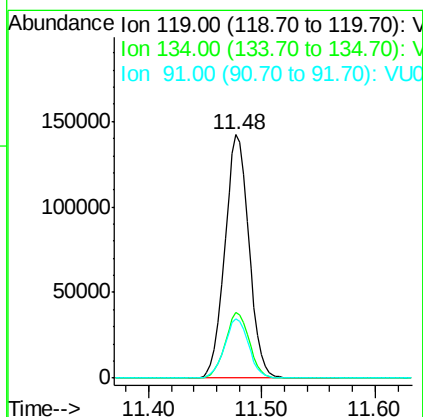
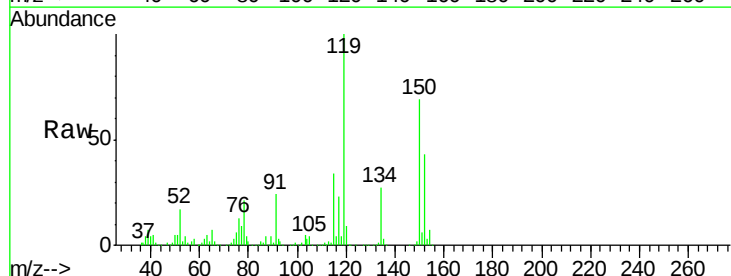
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion:105 Resp: 242519
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.030 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion:119 Resp: 209974
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.9 38.6
 91 24.4 12.0 36.1

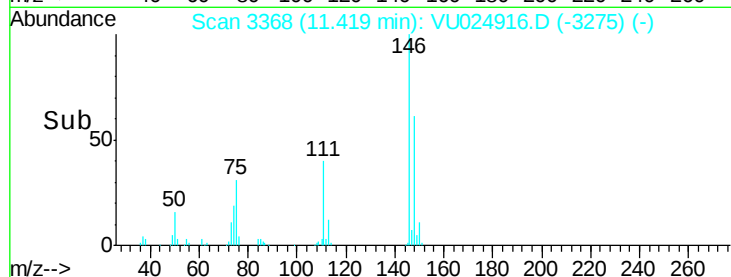
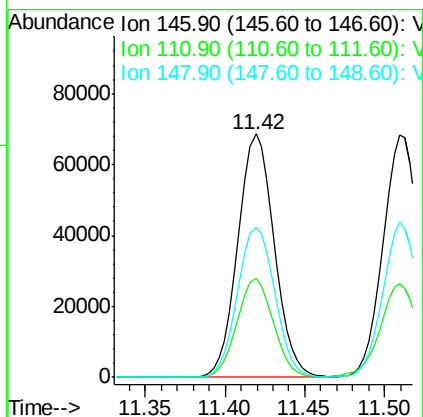
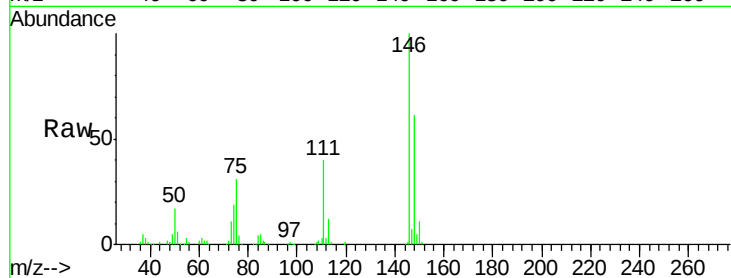




#87
 1,3-Dichlorobenzene
 Concen: 21.309 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

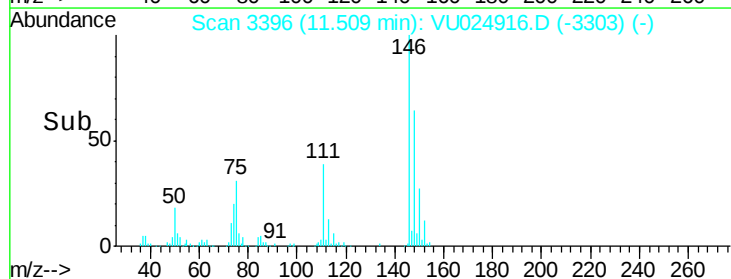
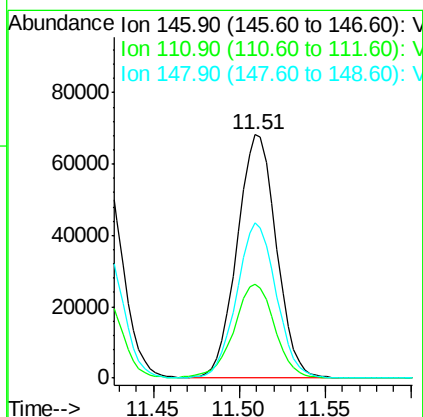
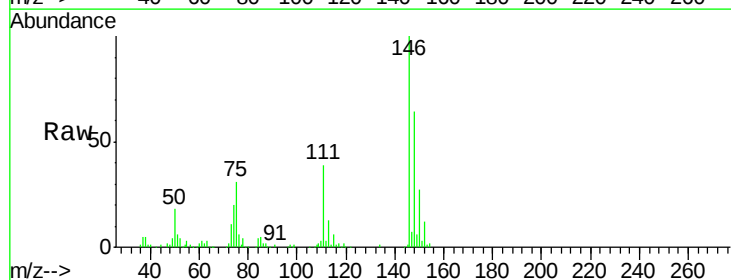
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

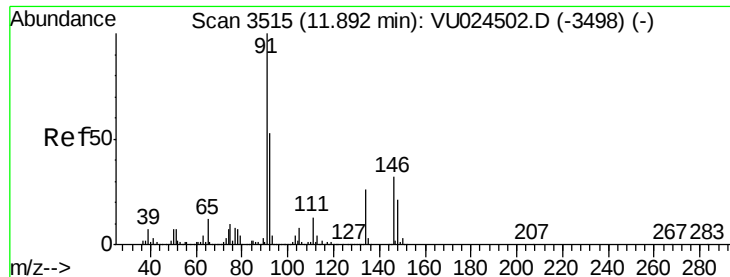
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.387 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	64.8	32.4	97.0





#89

n-Butylbenzene

Concen: 18.707 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBS02

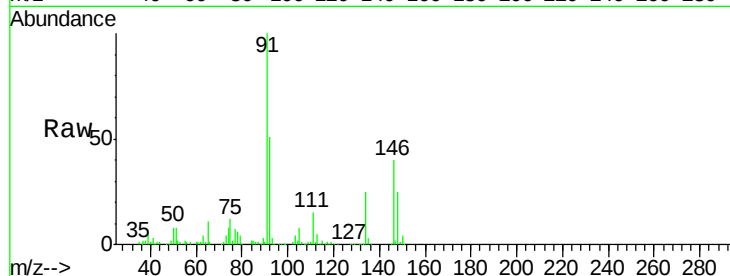
Tgt Ion: 91 Resp: 165831

Ion Ratio Lower Upper

91 100

92 51.8 25.6 76.8

134 25.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024916.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024916.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024916.D (-3422) (-)

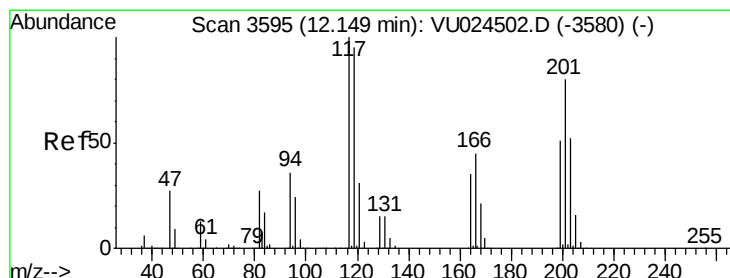
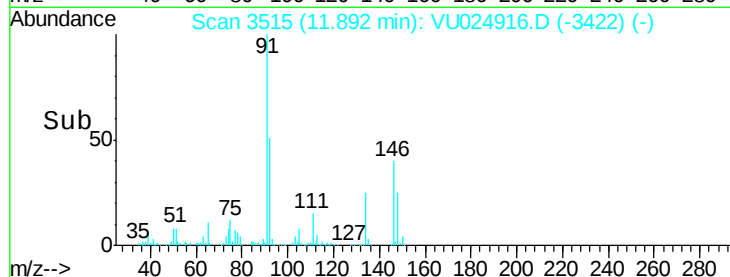
11.89

100000

50000

0

Time--> 11.80 11.90 12.00



#90

Hexachloroethane

Concen: 18.930 ug/l

RT: 12.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VU024916.D

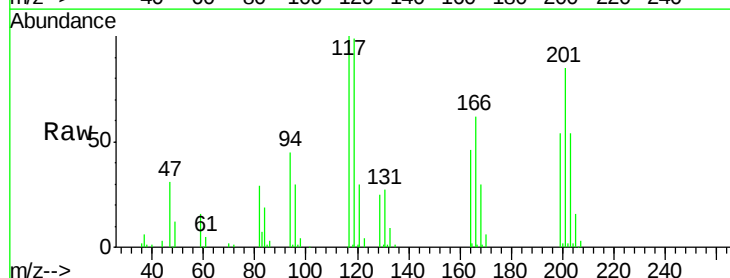
Acq: 26 Jun 2018 08:15

Tgt Ion: 117 Resp: 36872

Ion Ratio Lower Upper

117 100

201 85.2 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024916.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024916.D (-3502) (-)

12.15

25000

20000

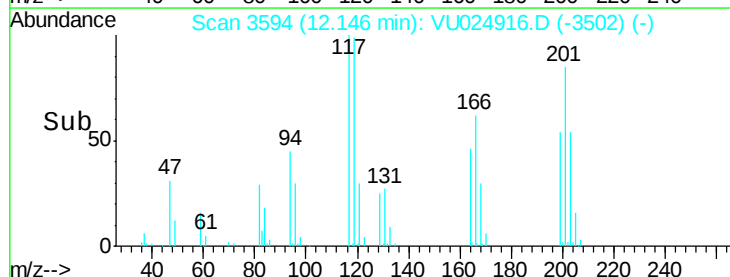
15000

10000

5000

0

Time--> 12.10 12.15 12.20

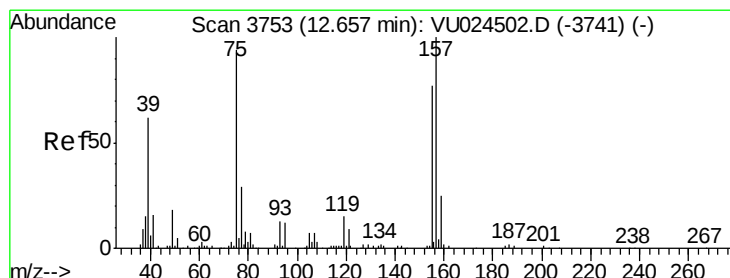
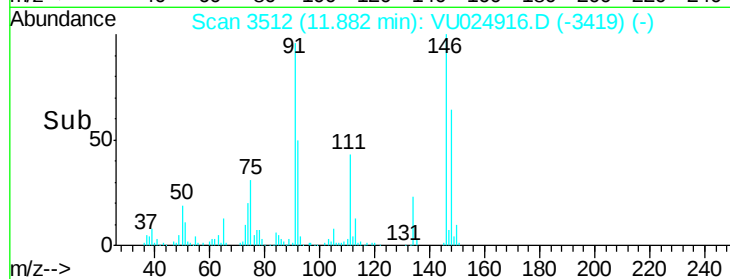
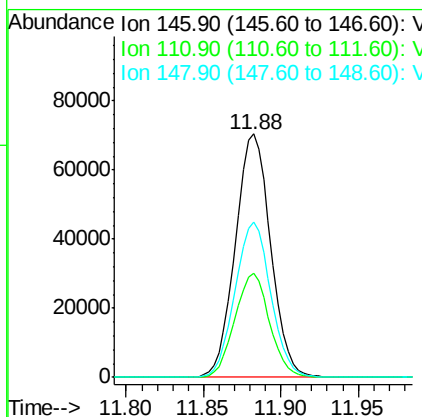
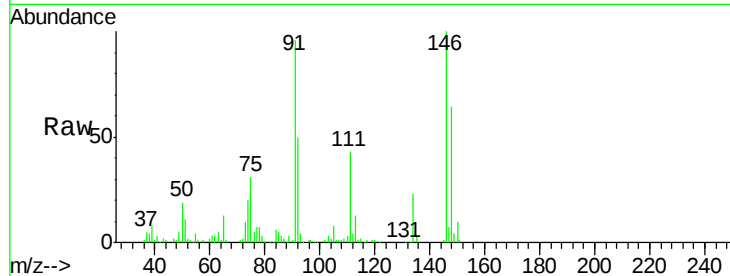




#91
 1,2-Dichlorobenzene
 Concen: 22.312 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

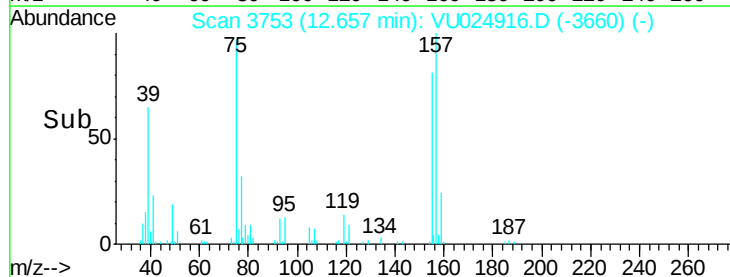
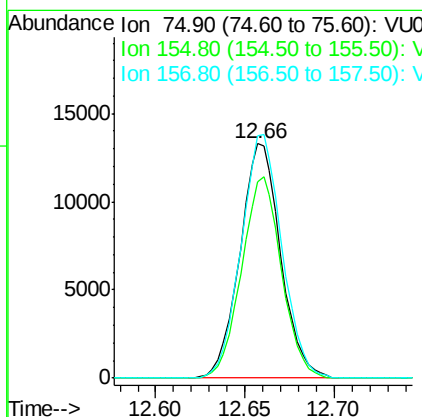
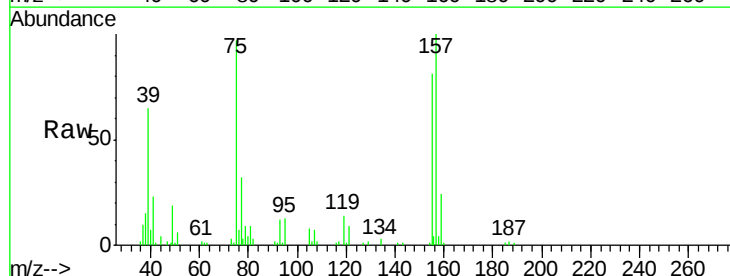
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion: 146 Resp: 111659
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.5 61.6
 148 64.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.370 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion: 75 Resp: 21108
 Ion Ratio Lower Upper
 75 100
 155 84.1 40.4 121.2
 157 104.0 52.3 156.8

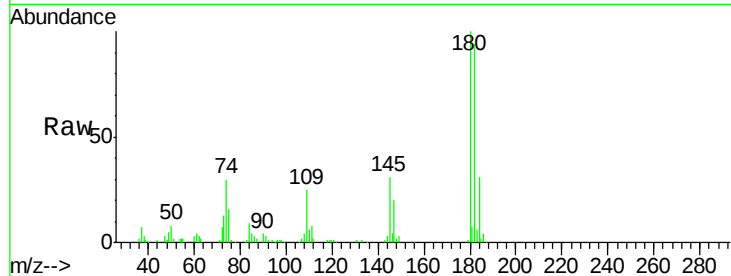




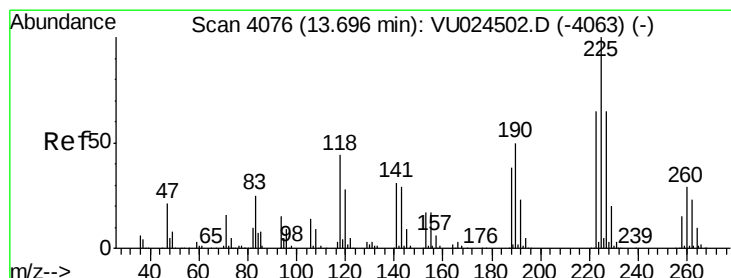
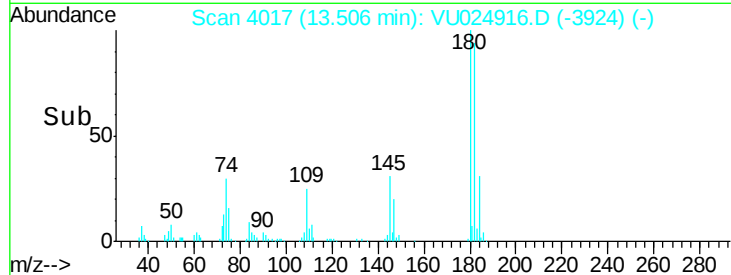
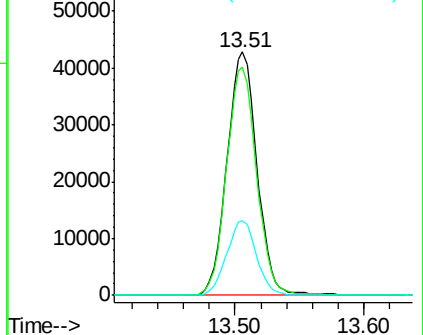
#93
 1,2,4-Trichlorobenzene
 Concen: 22.366 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625MBSD02

Tgt Ion:180 Resp: 69119
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.0 144.2
 145 30.2 14.7 44.1

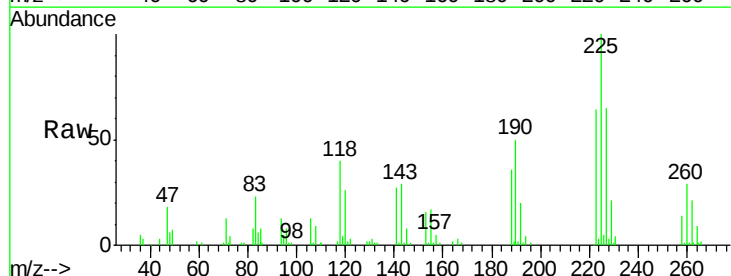


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

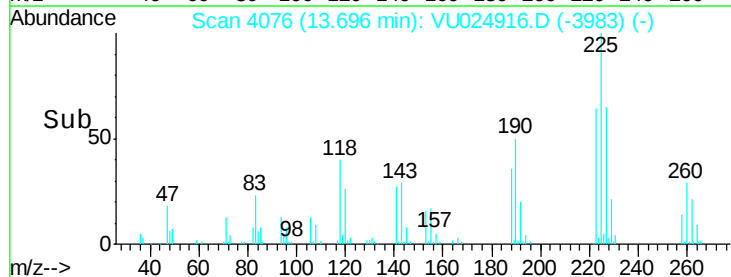
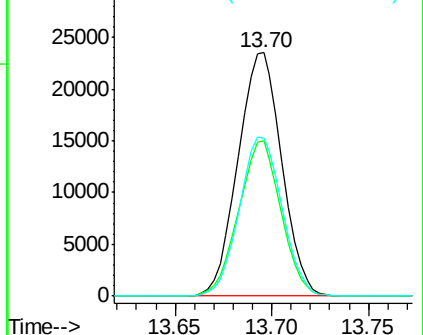


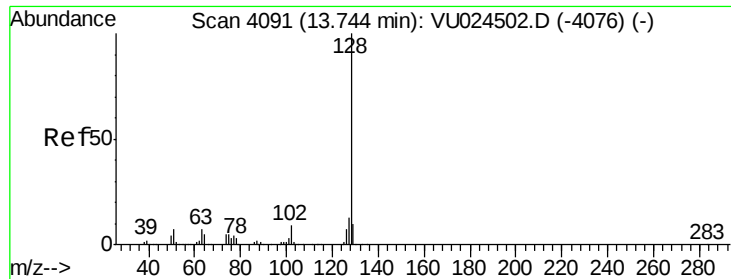
#94
 Hexachlorobutadiene
 Concen: 21.247 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024916.D
 Acq: 26 Jun 2018 08:15

Tgt Ion:225 Resp: 36958
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.3 93.8
 227 64.0 31.8 95.4



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





#95

Naphthalene

Concen: 23.109 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

Instrument :

MSVOA_U

ClientSampleId :

VU0625MBSD02

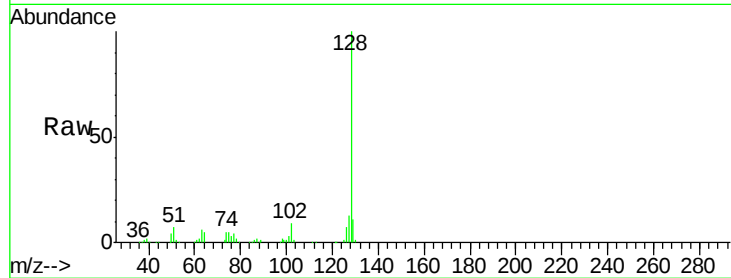
Tgt Ion:128 Resp: 232636

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

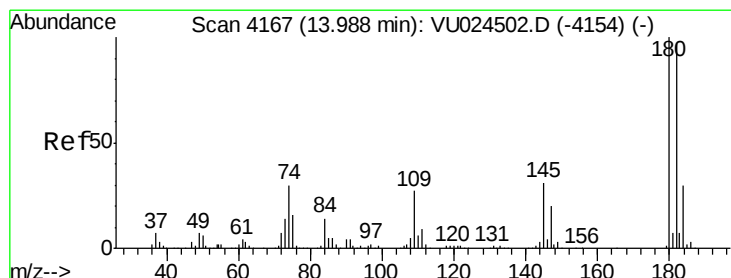
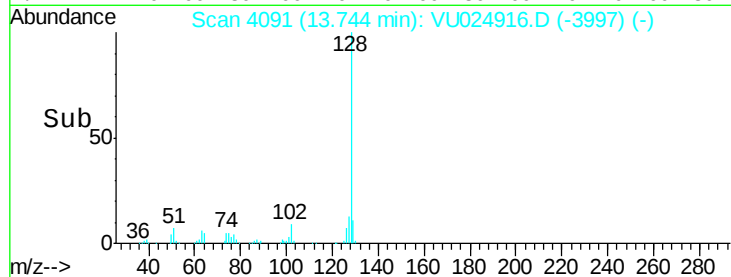
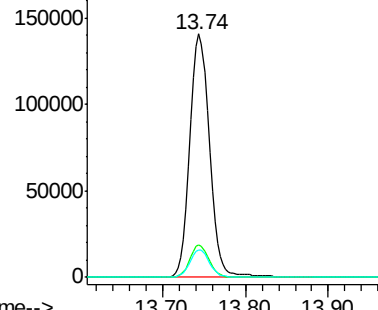
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.599 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024916.D

Acq: 26 Jun 2018 08:15

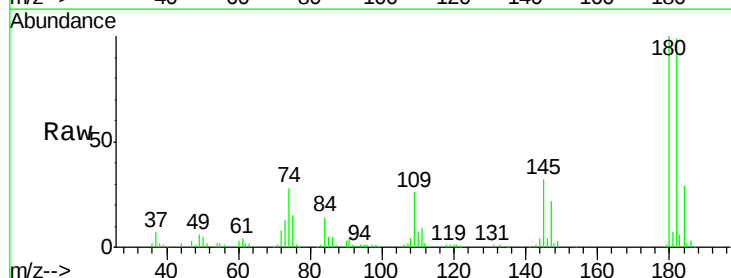
Tgt Ion:180 Resp: 75749

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 30.4 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

