

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024965.D
 Acq On : 27 Jun 2018 14:39
 Operator : MD/SY
 Sample : VU0627MBSD02
 Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

Quant Time: Jun 28 02:25:42 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	196328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290805	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	156606	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	4.89	113	124889	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	7.57	98	421992	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	10.31	95	171977	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	43235	17.594	ug/l	99
3) Chloromethane	1.33	50	46071	18.351	ug/l	99
4) Vinyl Chloride	1.40	62	47857	18.484	ug/l	97
5) Bromomethane	1.63	94	30773	24.586	ug/l	97
6) Chloroethane	1.70	64	30855	20.709	ug/l	100
7) Trichlorofluoromethane	1.89	101	79996	20.246	ug/l	99
8) Diethyl Ether	2.10	74	29929	21.172	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	47908	19.544	ug/l	97
10) Methyl Iodide	2.41	142	46498	25.331	ug/l	97
11) Tert butyl alcohol	2.82	59	70324	90.216	ug/l	99
12) 1,1-Dichloroethene	2.29	96	44144	19.747	ug/l	95
13) Acrolein	2.19	56	20479	50.029	ug/l	99
14) Allyl chloride	2.60	41	76029	18.317	ug/l	97
15) Acrylonitrile	2.94	53	151633	99.981	ug/l	98
16) Acetone	2.32	43	176336	102.396	ug/l	98
17) Carbon Disulfide	2.48	76	123285	17.223	ug/l	98
18) Methyl Acetate	2.62	43	85829	23.248	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	173691	20.670	ug/l	97
20) Methylene Chloride	2.71	84	54452	20.152	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	48709	19.783	ug/l	99
22) Diisopropyl ether	3.57	45	163984	19.930	ug/l	93
23) Vinyl Acetate	3.53	43	702799	95.350	ug/l	98
24) 1,1-Dichloroethane	3.45	63	95941	20.269	ug/l	98
25) 2-Butanone	4.26	43	231351	100.015	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92333	20.543	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	58362	20.618	ug/l	99
28) Bromochloromethane	4.55	49	38846	18.632	ug/l	86
29) Tetrahydrofuran	4.64	42	137778	96.182	ug/l	97
30) Chloroform	4.68	83	99445	20.757	ug/l	98
31) Cyclohexane	5.00	56	87218	19.547	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	91276	20.602	ug/l	96
36) 1,1-Dichloropropene	5.14	75	71005	20.779	ug/l	97
37) Ethyl Acetate	4.38	43	79619	21.377	ug/l #	96
38) Carbon Tetrachloride	5.14	117	79840	21.247	ug/l	97

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 Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

Quant Time: Jun 28 02:25:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	89161	20.908	ug/l	96
40) Benzene	5.39	78	208659	21.429	ug/l	100
41) Methacrylonitrile	4.54	41	44329	22.075	ug/l	99
42) 1,2-Dichloroethane	5.41	62	87036	23.469	ug/l	98
43) Isopropyl Acetate	5.55	43	128377	19.941	ug/l	99
44) Trichloroethene	6.19	130	58068	20.954	ug/l	95
45) 1,2-Dichloropropane	6.44	63	55599	21.400	ug/l	100
46) Dibromomethane	6.56	93	40144	21.998	ug/l	95
47) Bromodichloromethane	6.76	83	74831	20.592	ug/l	98
48) Methyl methacrylate	6.62	41	68004	21.693	ug/l	98
49) 1,4-Dioxane	6.62	88	26818	437.440	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	419906	103.818	ug/l	99
52) Toluene	7.64	92	134917	21.537	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	81768	20.036	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	87063	20.021	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	55055	21.620	ug/l	96
56) Ethyl methacrylate	8.02	69	85336	20.022	ug/l	97
57) 1,3-Dichloropropane	8.25	76	91925	21.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	18614	11.400	ug/l	95
59) 2-Hexanone	8.36	43	339330	102.763	ug/l	99
60) Dibromochloromethane	8.48	129	60904	19.180	ug/l	99
61) 1,2-Dibromoethane	8.59	107	58967	20.805	ug/l	97
64) Tetrachloroethene	8.23	164	52628	20.418	ug/l	99
65) Chlorobenzene	9.12	112	150323	21.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	57345	21.789	ug/l	98
67) Ethyl Benzene	9.25	91	262717	21.633	ug/l	100
68) m/p-Xylenes	9.38	106	203414	43.619	ug/l	98
69) o-Xylene	9.78	106	101078	21.901	ug/l	98
70) Styrene	9.80	104	158388	20.884	ug/l	99
71) Bromoform	9.96	173	46866	18.735	ug/l #	100
73) Isopropylbenzene	10.17	105	271499	22.286	ug/l	99
74) N-amyl acetate	10.01	43	111646	19.267	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	87823	21.512	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	104250	29.841	ug/l	82
77) Bromobenzene	10.45	156	67342	21.835	ug/l	96
78) n-propylbenzene	10.59	91	305095	21.259	ug/l	97
79) 2-Chlorotoluene	10.66	91	185448	21.913	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	232000	21.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	104250	69.065	ug/l #	100
82) 4-Chlorotoluene	10.78	91	209434	21.262	ug/l	99
83) tert-Butylbenzene	11.10	119	233156	22.955	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	234263	21.770	ug/l	99
85) sec-Butylbenzene	11.33	105	275756	21.689	ug/l	97
86) p-Isopropyltoluene	11.48	119	245692	21.577	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	122130	21.434	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	123024	21.451	ug/l	99
89) n-Butylbenzene	11.89	91	196605	19.448	ug/l	97
90) Hexachloroethane	12.15	117	42339	19.060	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	125907	22.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22635	20.094	ug/l	94

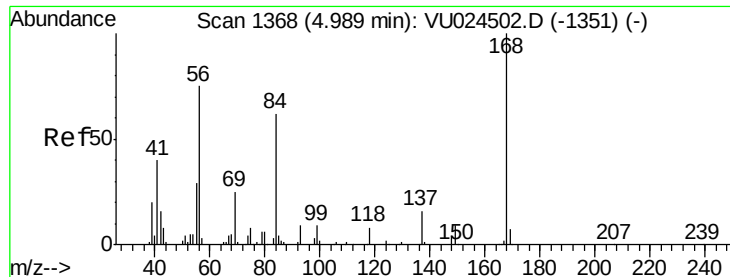
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU024965.D
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Sample : VU0627MBSD02
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Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

Quant Time: Jun 28 02:25:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78246	22.201	ug/l	99
94) Hexachlorobutadiene	13.70	225	43752	22.055	ug/l	99
95) Naphthalene	13.74	128	256963	22.404	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	83719	23.839	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

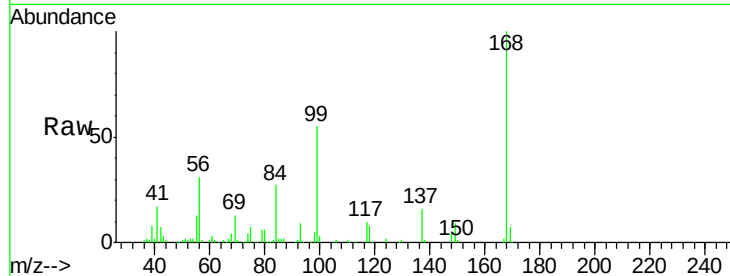
VU0627MBSD03

Tgt Ion:168 Resp: 196328

Ion Ratio Lower Upper

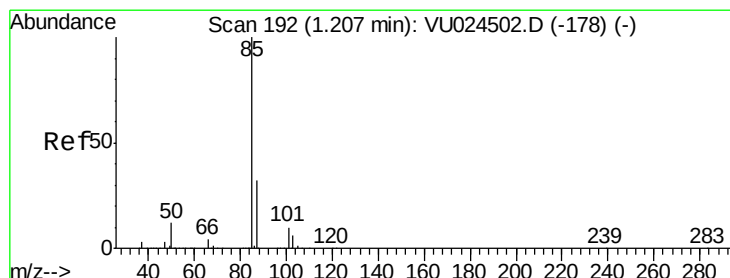
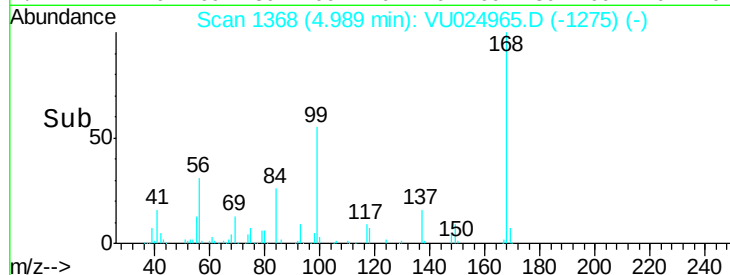
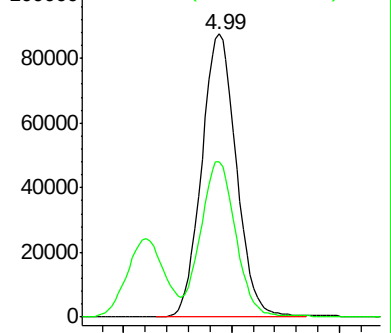
168 100

99 54.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 17.594 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024965.D

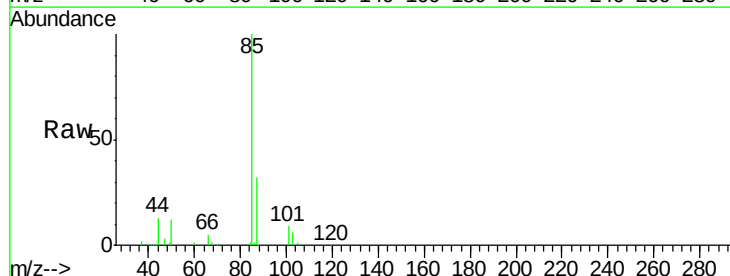
Acq: 27 Jun 2018 14:39

Tgt Ion: 85 Resp: 43235

Ion Ratio Lower Upper

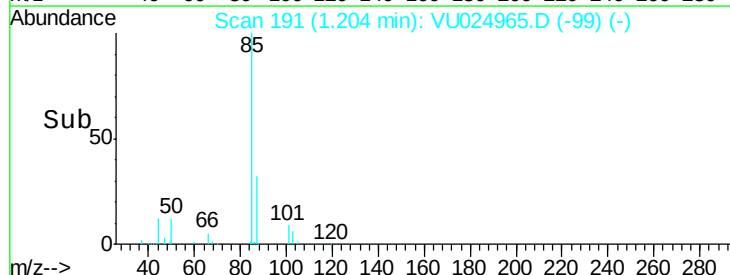
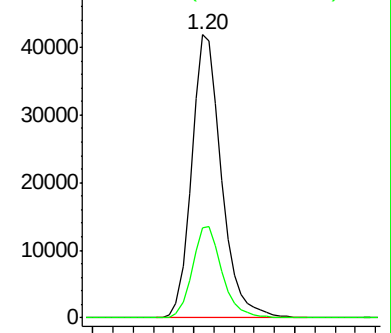
85 100

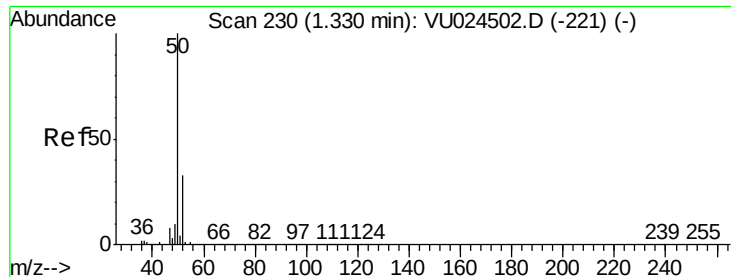
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.351 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

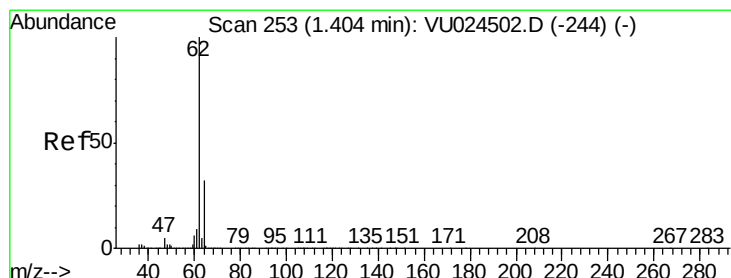
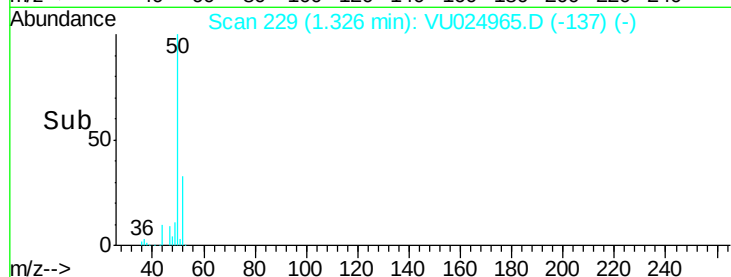
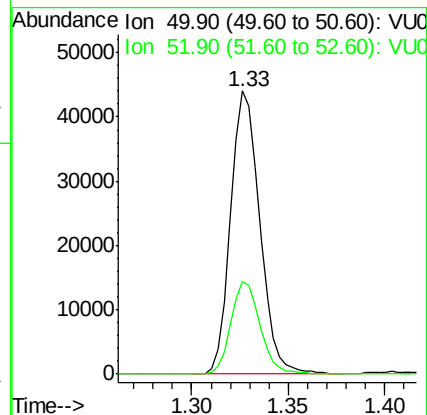
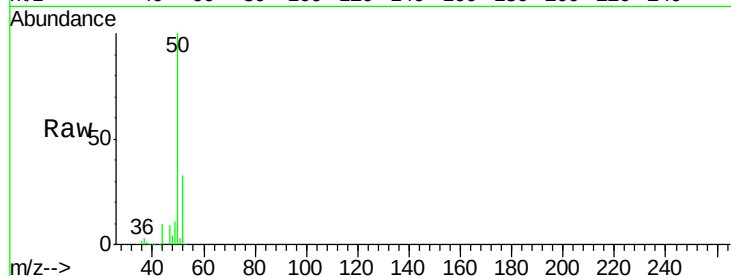
VU0627MBSD03

Tgt Ion: 50 Resp: 46071

Ion Ratio Lower Upper

50 100

52 32.6 26.4 39.6



#4

Vinyl Chloride

Concen: 18.484 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024965.D

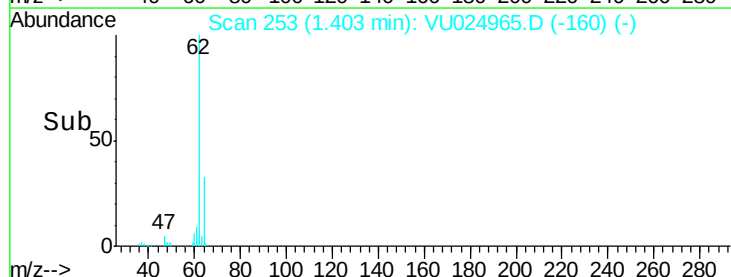
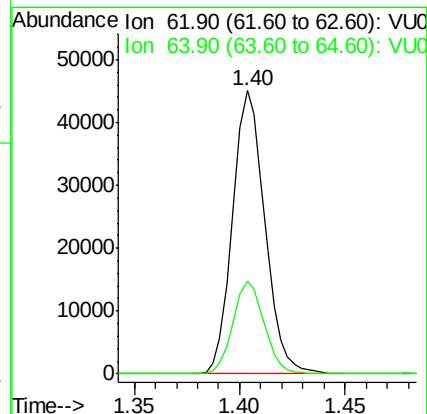
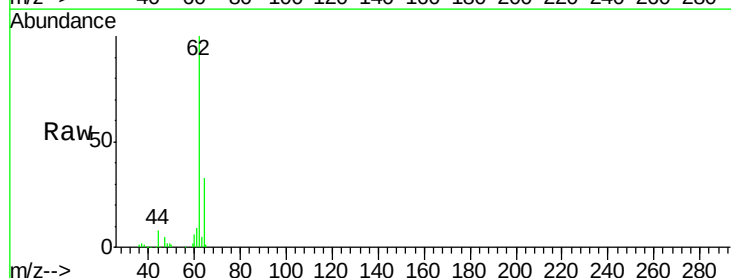
Acq: 27 Jun 2018 14:39

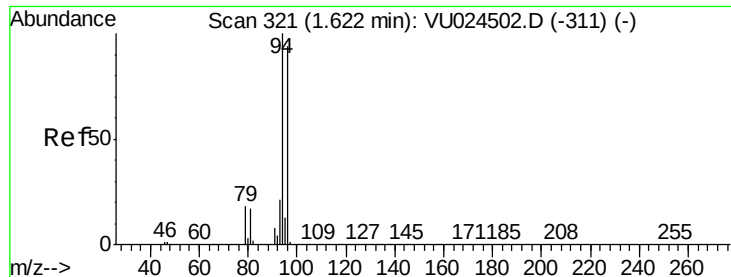
Tgt Ion: 62 Resp: 47857

Ion Ratio Lower Upper

62 100

64 32.7 24.8 37.2





#5

Bromomethane

Concen: 24.586 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

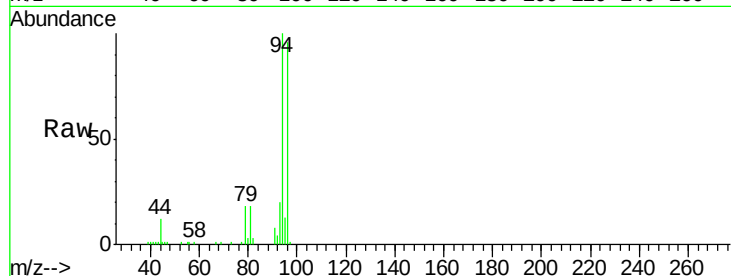
VU0627MBSD03

Tgt Ion: 94 Resp: 30773

Ion Ratio Lower Upper

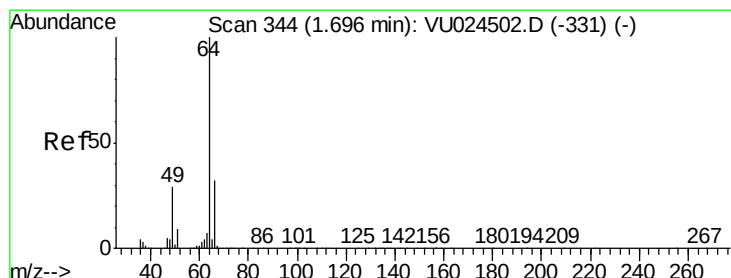
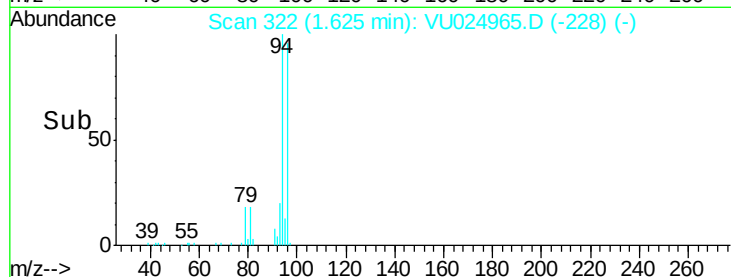
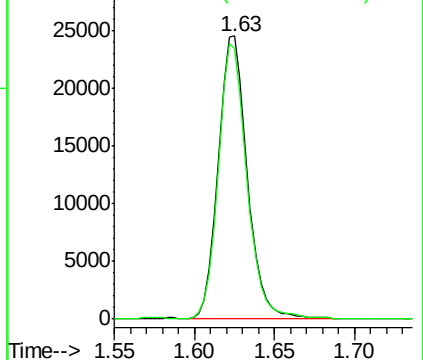
94 100

96 95.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.709 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024965.D

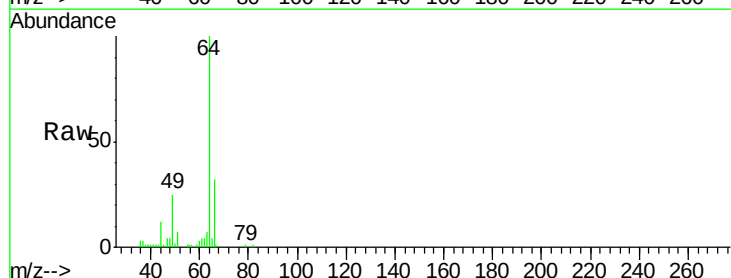
Acq: 27 Jun 2018 14:39

Tgt Ion: 64 Resp: 30855

Ion Ratio Lower Upper

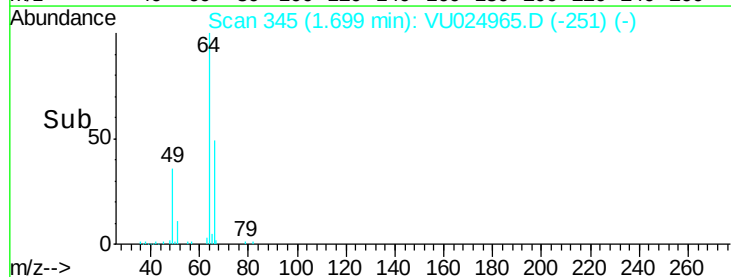
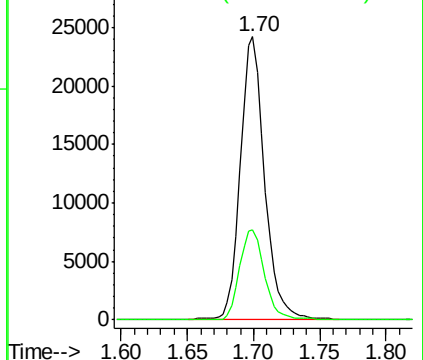
64 100

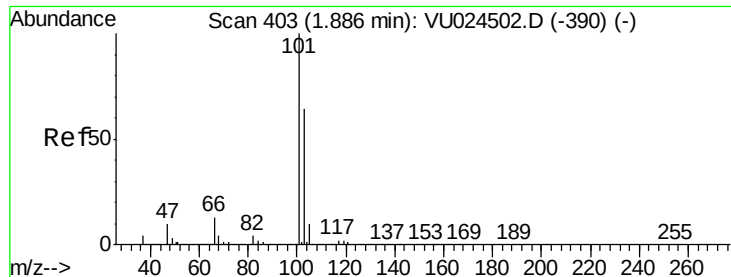
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



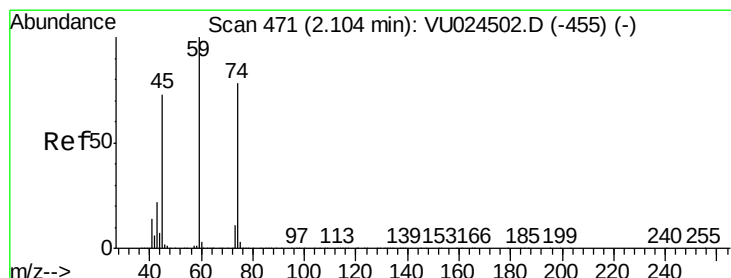
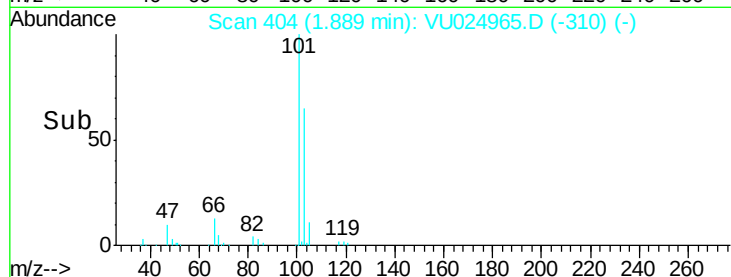
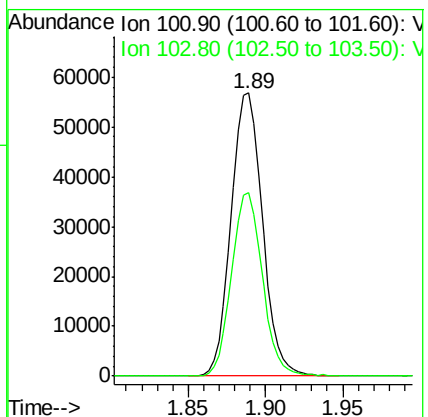
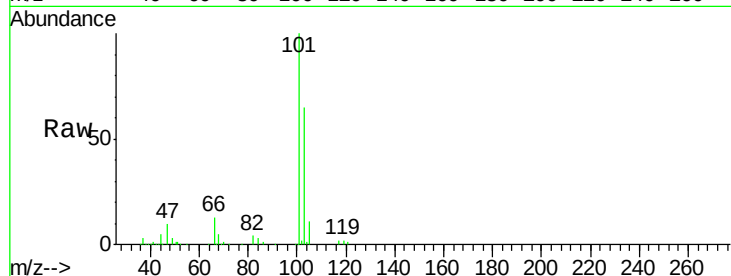


#7

Trichlorofluoromethane
Concen: 20.246 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

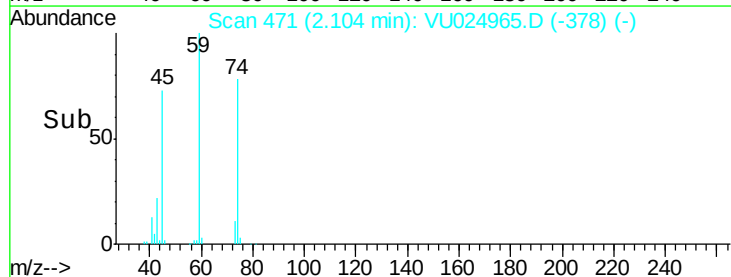
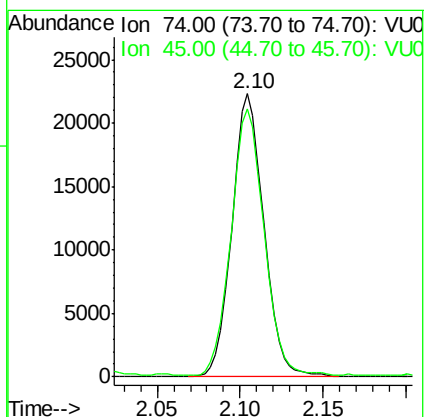
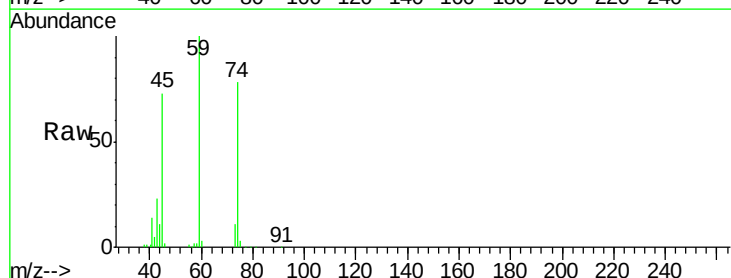
Tgt Ion:101 Resp: 79996
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5

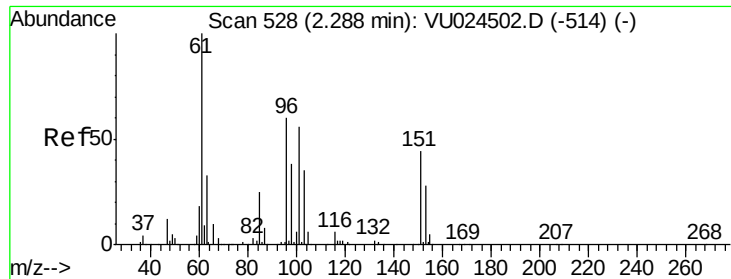


#8

Diethyl Ether
Concen: 21.172 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion: 74 Resp: 29929
Ion Ratio Lower Upper
74 100
45 96.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.544 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

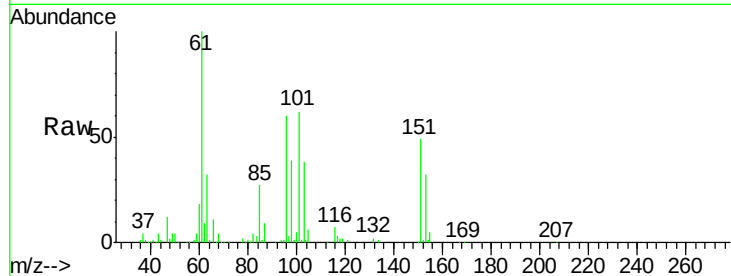
Tgt Ion:101 Resp: 47908

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

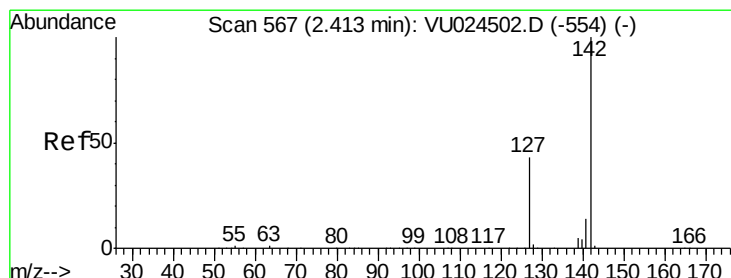
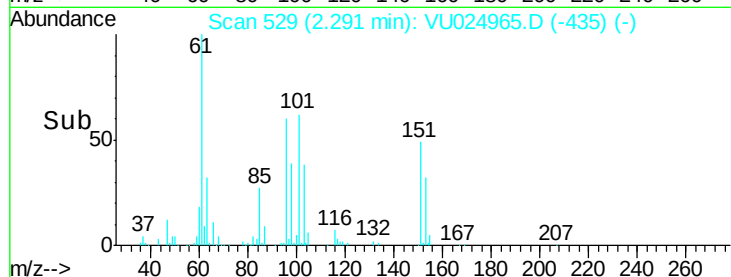
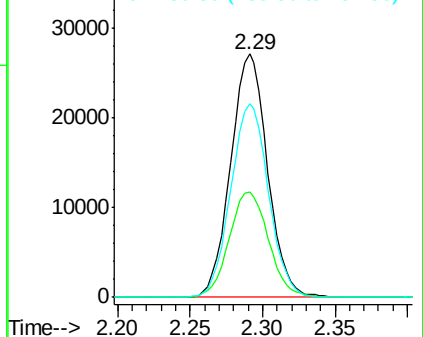
151 81.5 62.3 93.5



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: 25.331 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

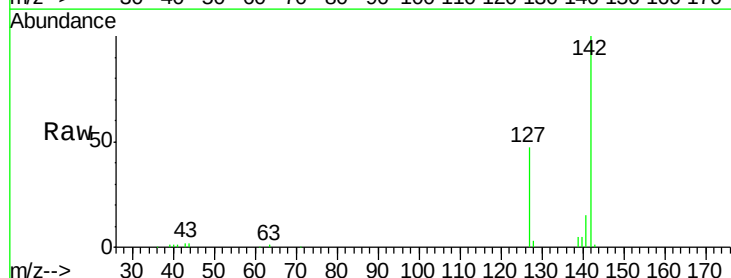
Tgt Ion:142 Resp: 46498

Ion Ratio Lower Upper

142 100

127 46.5 35.6 53.4

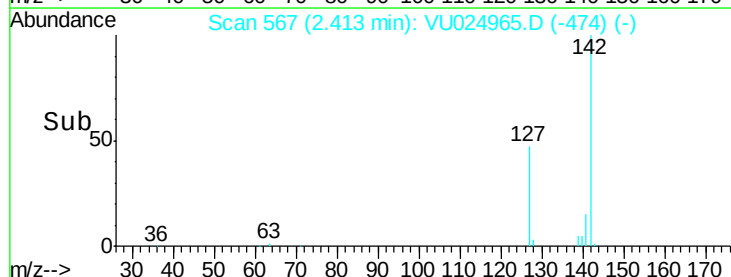
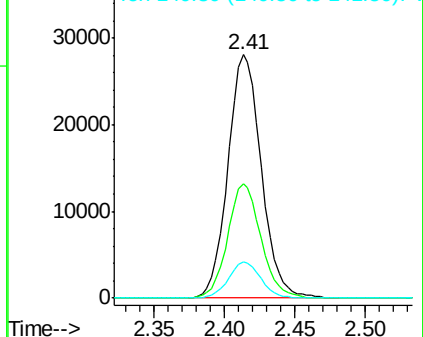
141 14.3 11.7 17.5

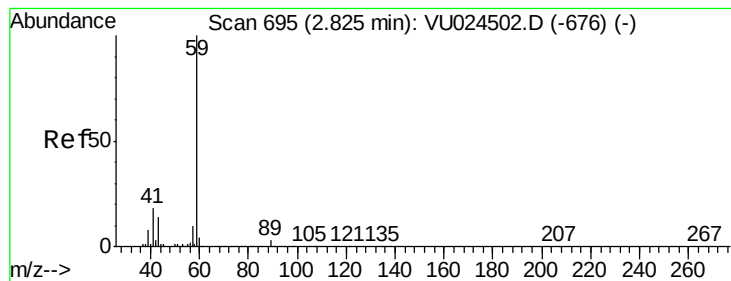


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



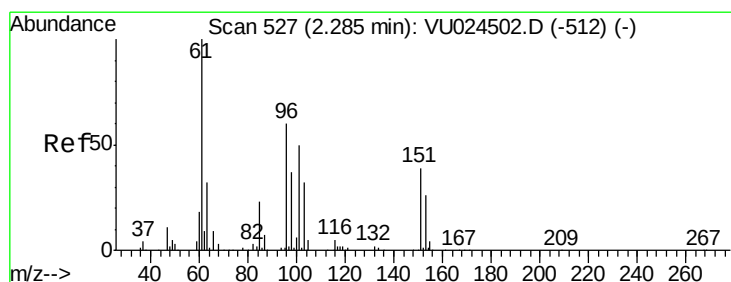
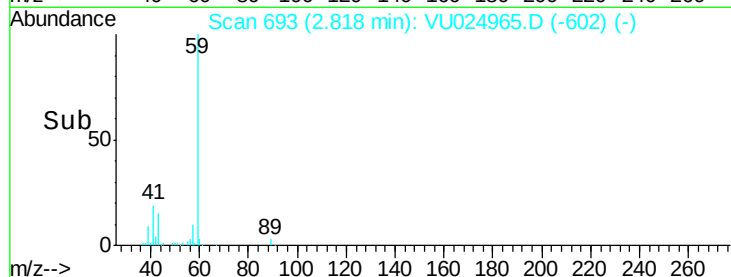
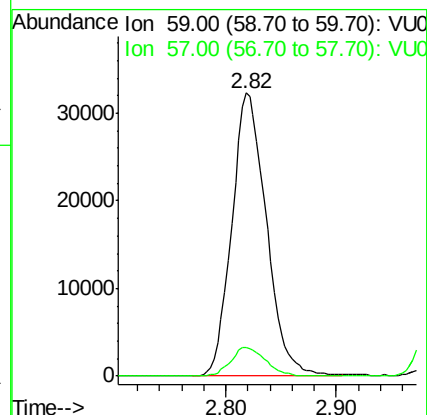
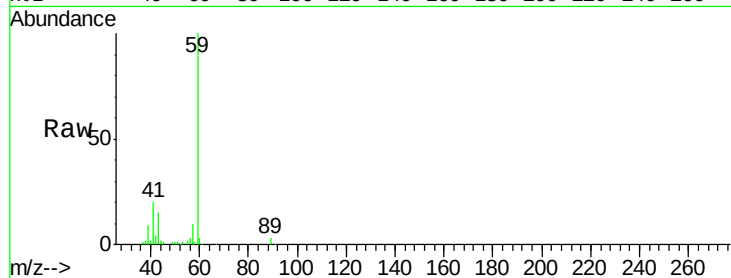


#11

Tert butyl alcohol
 Concen: 90.216 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

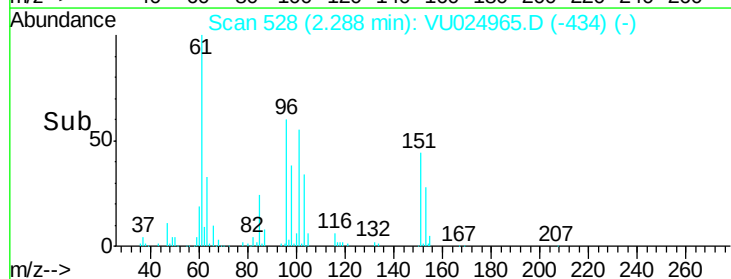
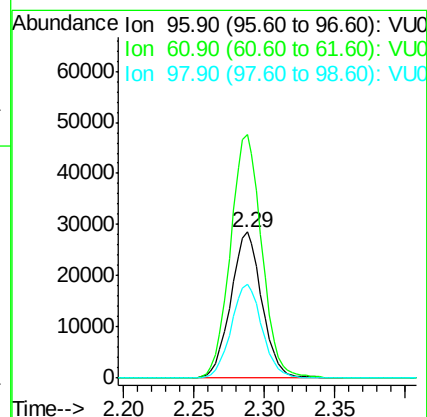
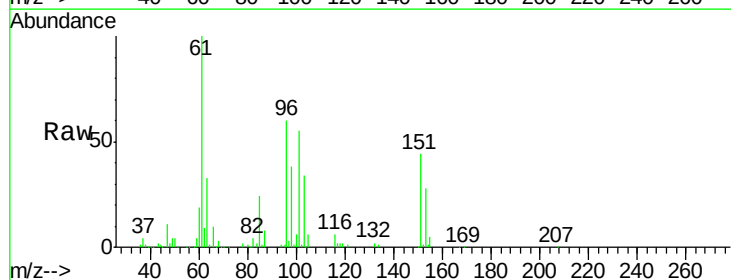
Tgt Ion: 59 Resp: 70324
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

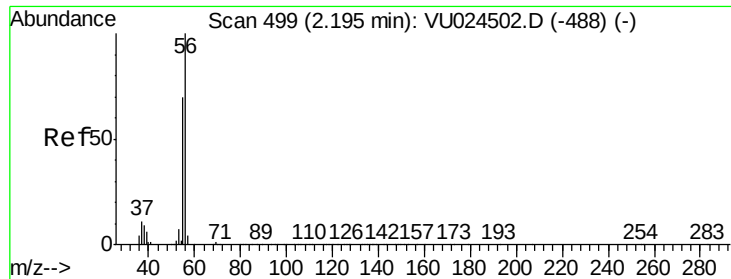


#12

1,1-Dichloroethene
 Concen: 19.747 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 96 Resp: 44144
 Ion Ratio Lower Upper
 96 100
 61 166.9 141.7 212.5
 98 63.9 51.6 77.4





#13

Acrolein

Concen: 50.029 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

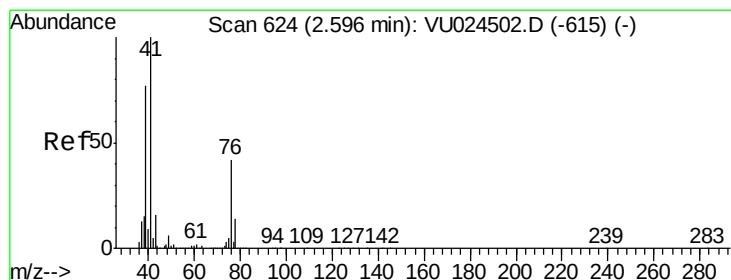
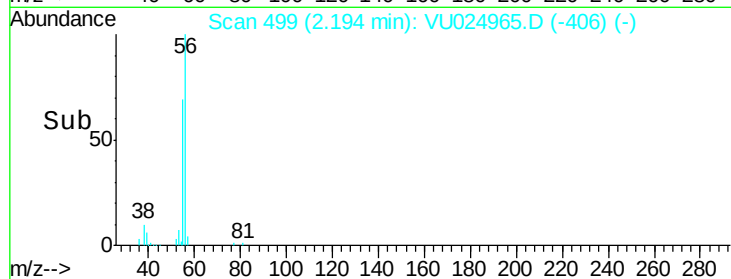
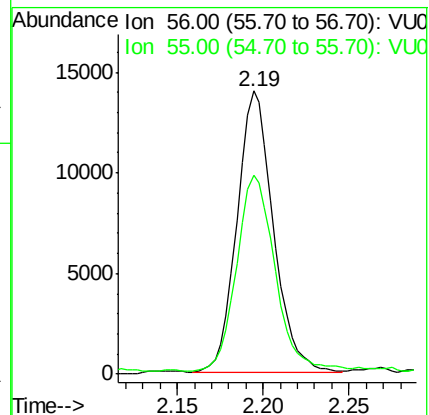
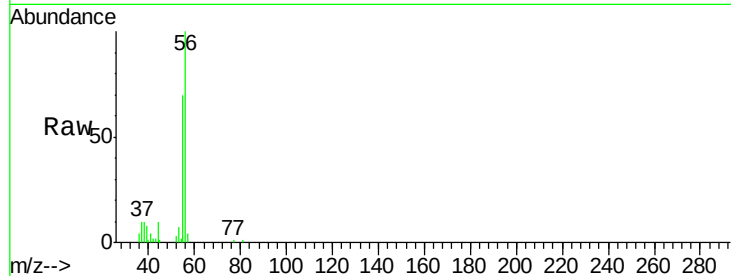
VU0627MBSD03

Tgt Ion: 56 Resp: 20479

Ion Ratio Lower Upper

56 100

55 74.2 58.4 87.6



#14

Allyl chloride

Concen: 18.317 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

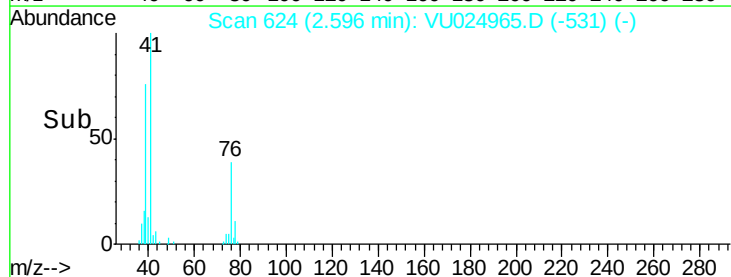
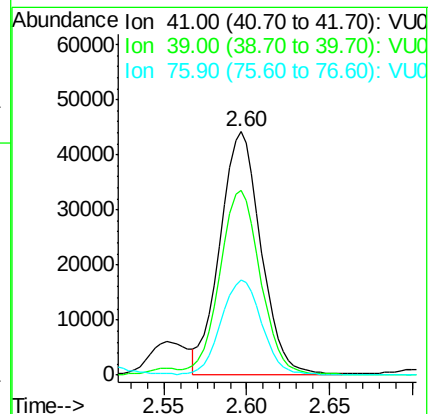
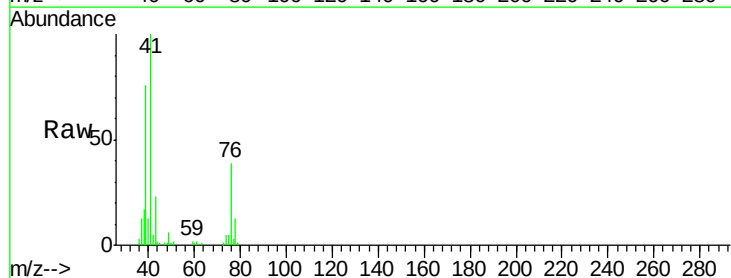
Tgt Ion: 41 Resp: 76029

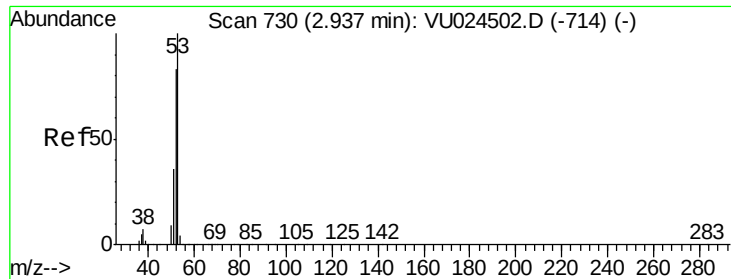
Ion Ratio Lower Upper

41 100

39 75.2 61.6 92.4

76 39.2 29.7 44.5

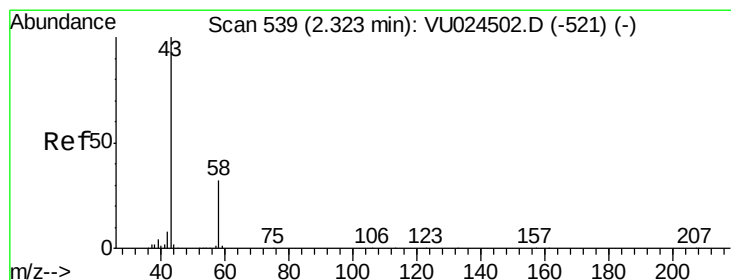
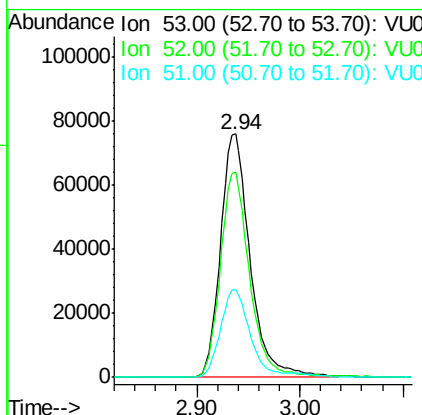
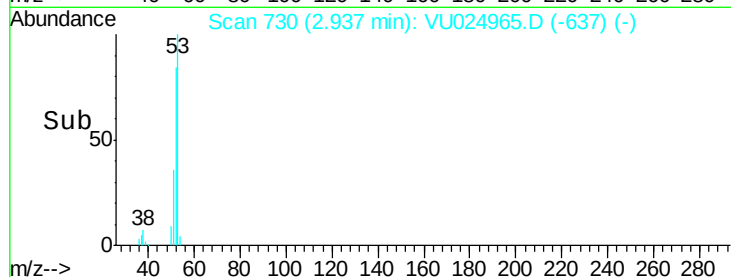
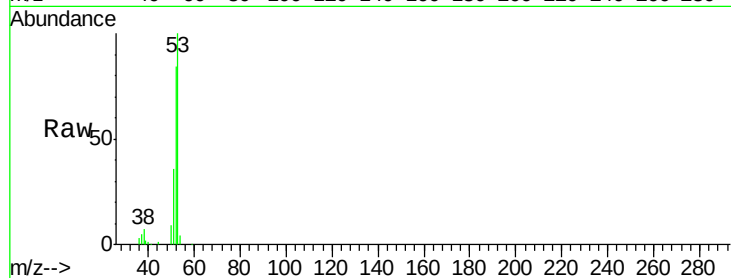




#15
 Acrylonitrile
 Concen: 99.981 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

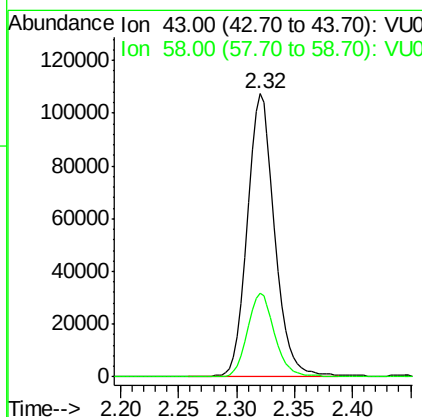
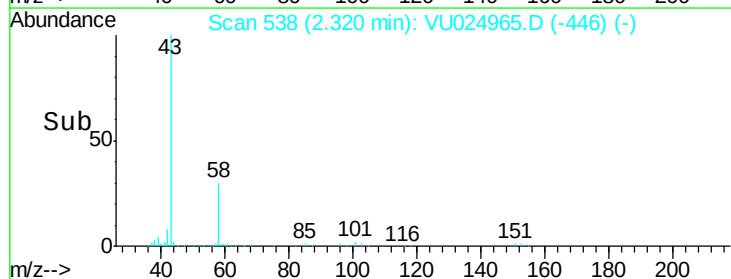
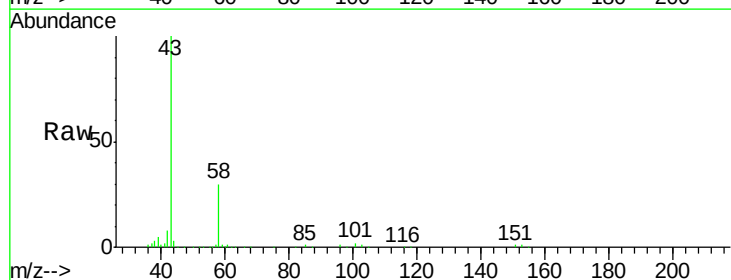
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

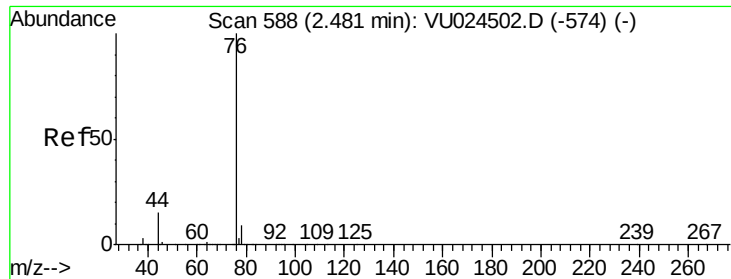
Tgt Ion: 53 Resp: 151633
 Ion Ratio Lower Upper
 53 100
 52 83.1 67.1 100.7
 51 37.3 28.4 42.6



#16
 Acetone
 Concen: 102.396 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 43 Resp: 176336
 Ion Ratio Lower Upper
 43 100
 58 29.6 24.4 36.6





#17

Carbon Disulfide

Concen: 17.223 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

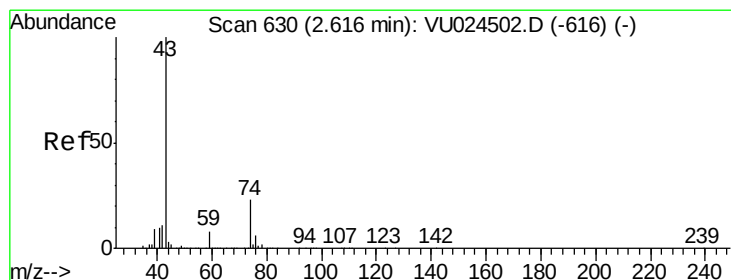
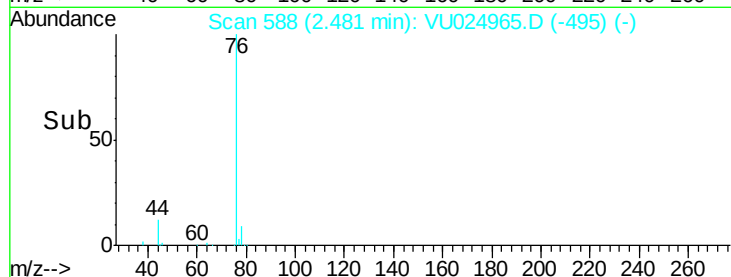
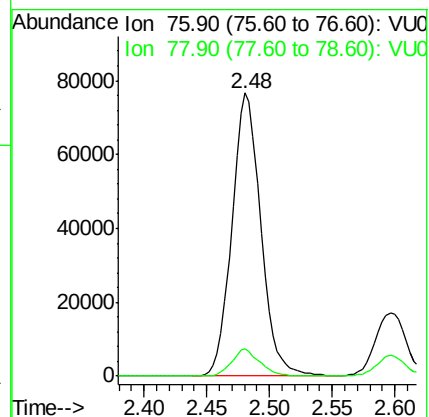
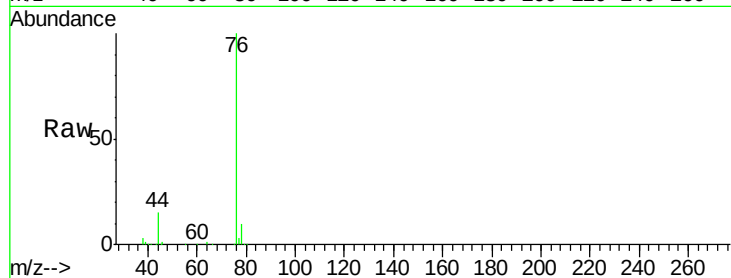
VU0627MBSD03

Tgt Ion: 76 Resp: 123285

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 23.248 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024965.D

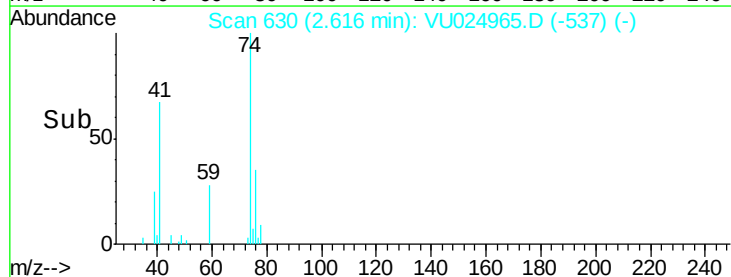
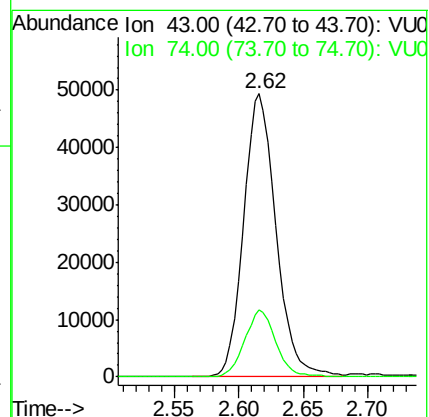
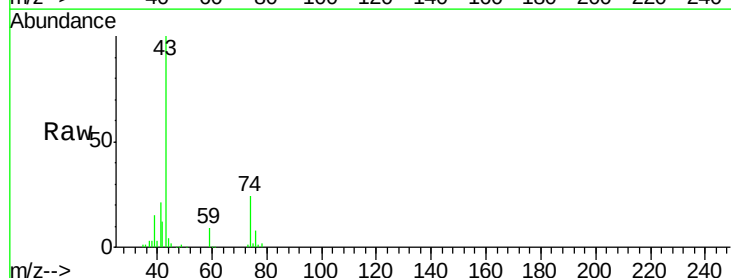
Acq: 27 Jun 2018 14:39

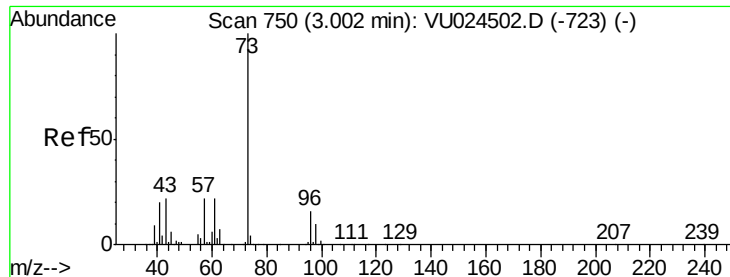
Tgt Ion: 43 Resp: 85829

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 20.670 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

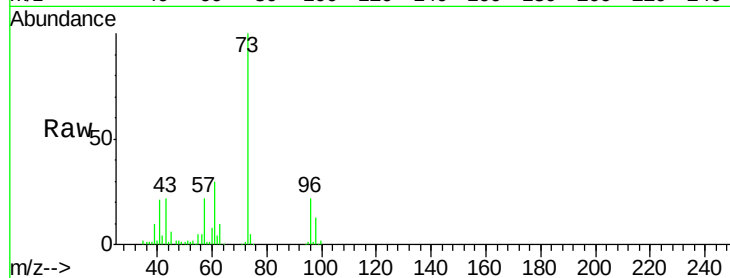
VU0627MBSD03

Tgt Ion: 73 Resp: 173691

Ion Ratio Lower Upper

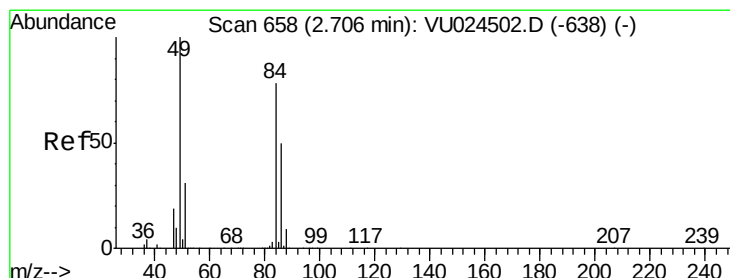
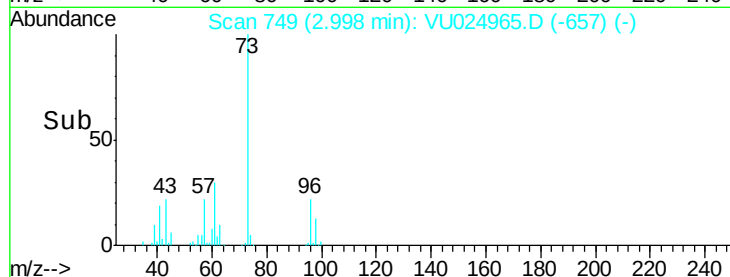
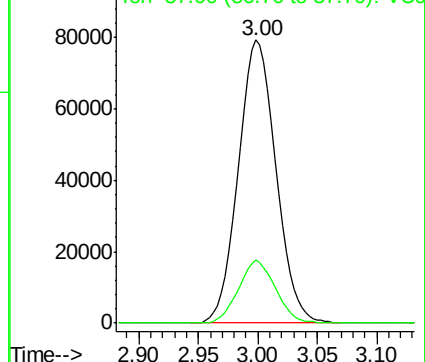
73 100

57 22.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#20

Methylene Chloride

Concen: 20.152 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Tgt Ion: 84 Resp: 54452

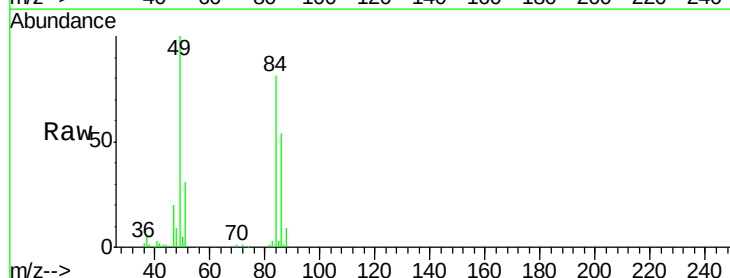
Ion Ratio Lower Upper

84 100

49 122.9 103.8 155.8

51 38.2 32.0 48.0

86 66.1 51.6 77.4

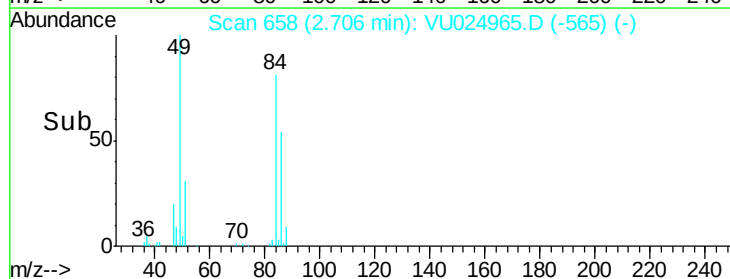
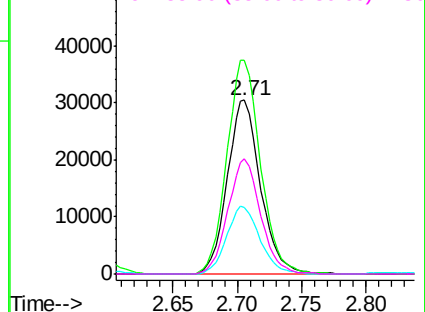


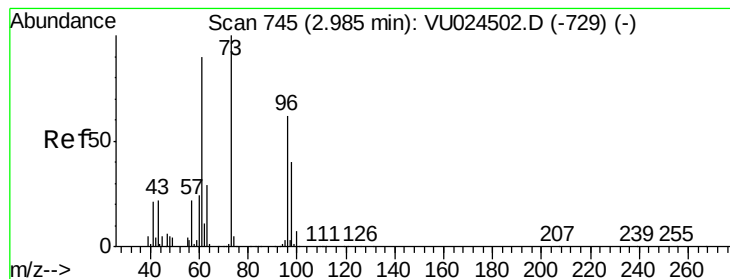
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 19.783 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

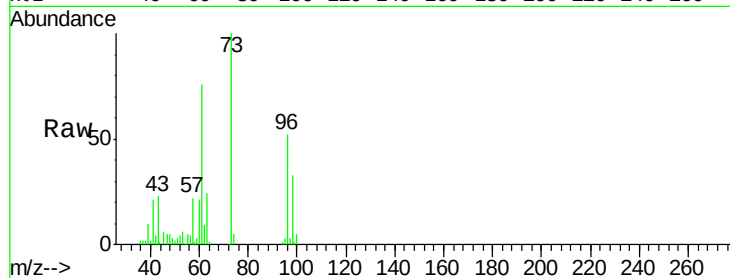
Tgt Ion: 96 Resp: 48709

Ion Ratio Lower Upper

96 100

61 147.0 119.4 179.0

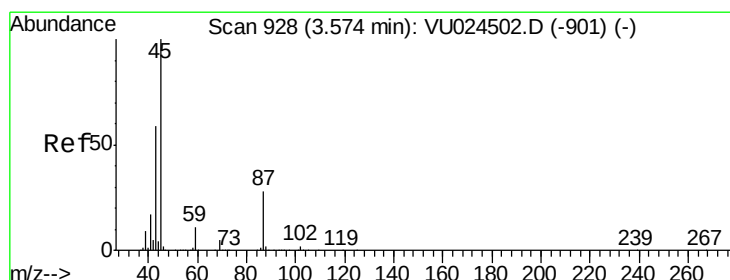
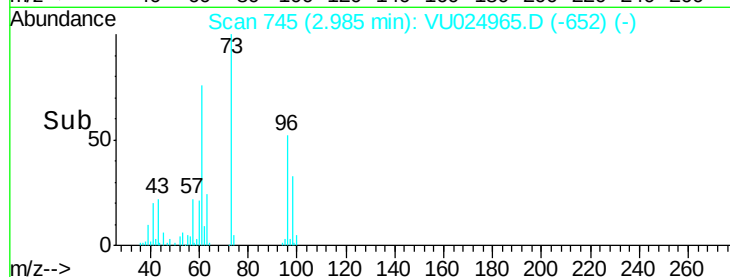
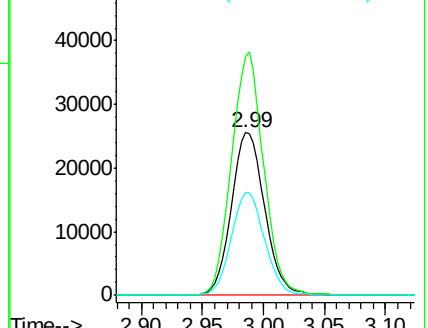
98 63.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.930 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Tgt Ion: 45 Resp: 163984

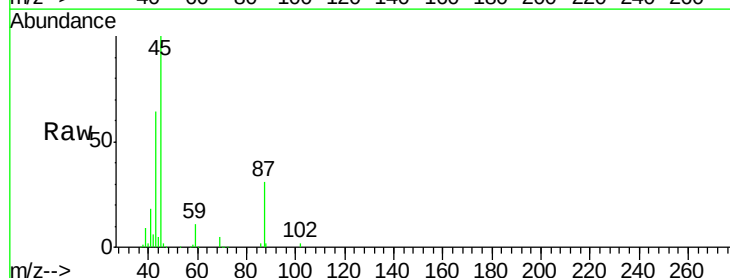
Ion Ratio Lower Upper

45 100

43 63.0 45.8 68.6

87 30.6 20.6 31.0

59 11.4 9.4 14.0

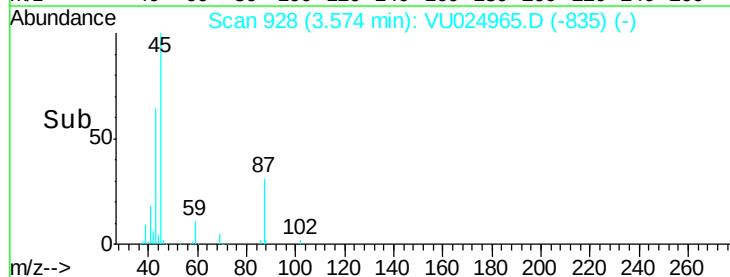
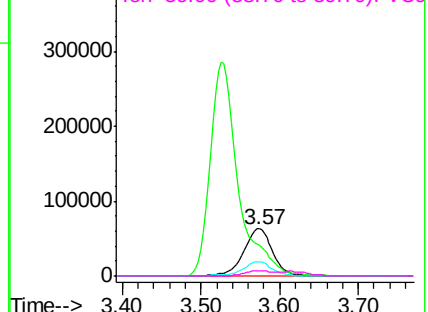


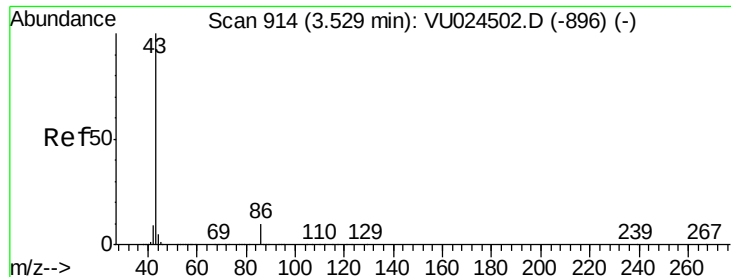
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 95.350 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

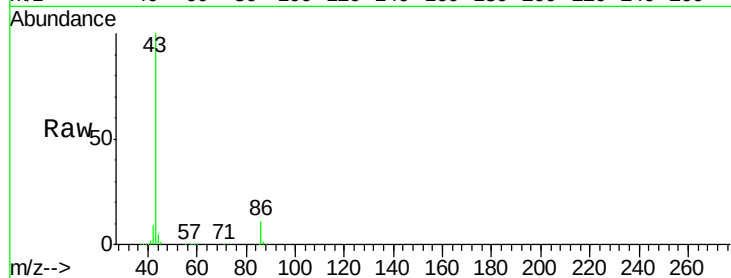
VU0627MBSD03

Tgt Ion: 43 Resp: 702799

Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

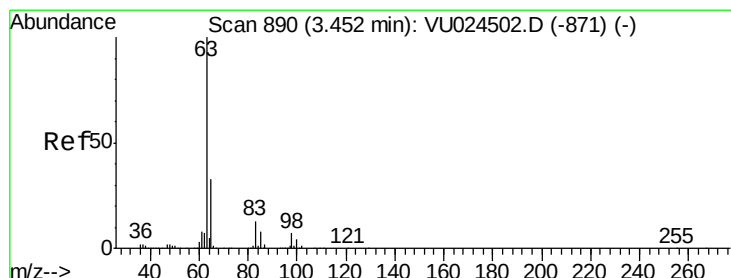
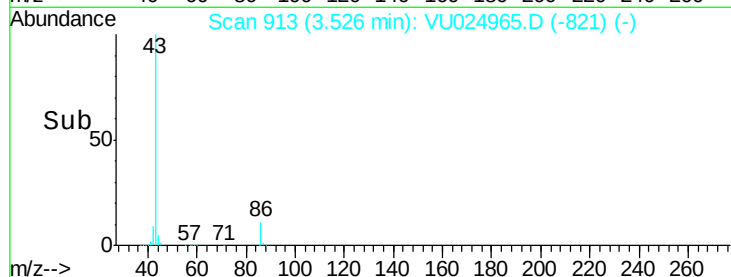
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.269 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

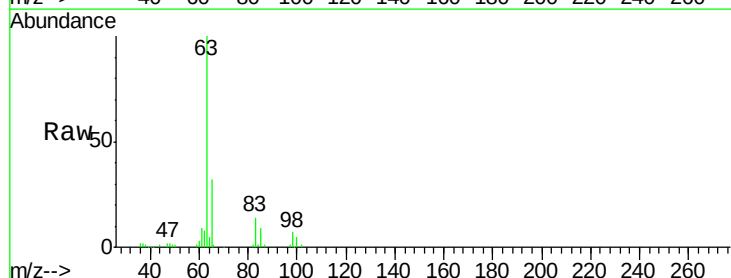
Tgt Ion: 63 Resp: 95941

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.8 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

3.45

60000

50000

40000

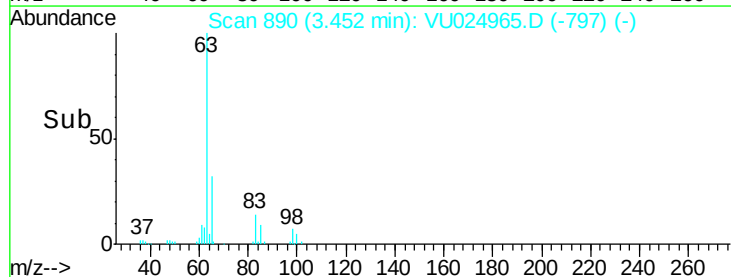
30000

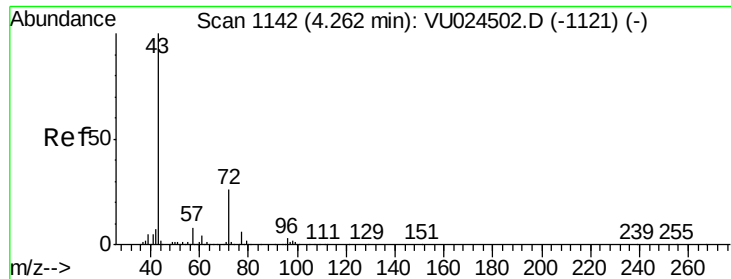
20000

10000

0

Time-->

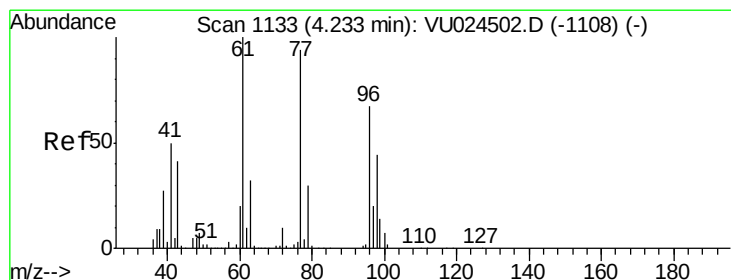
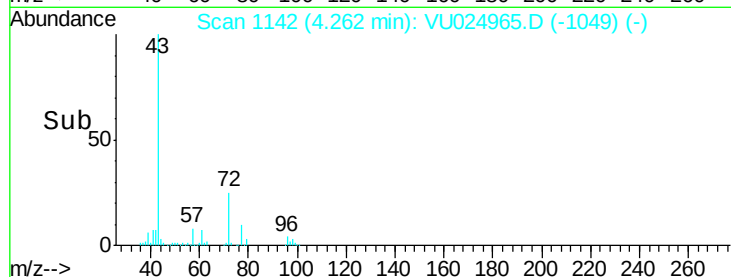
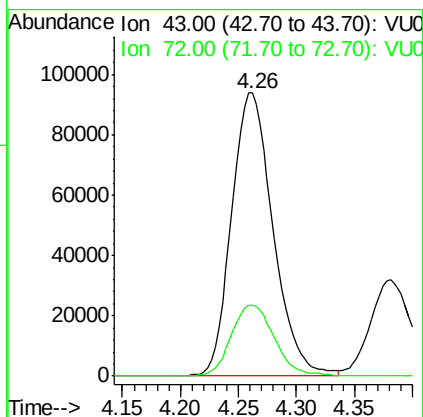
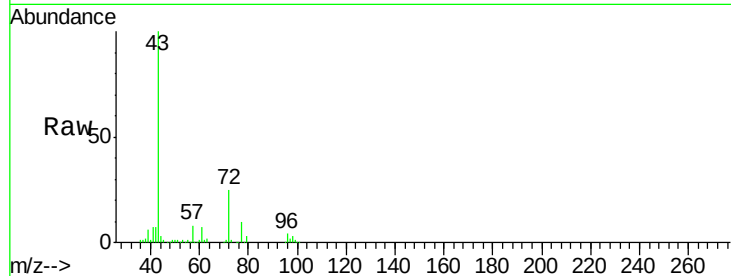




#25
 2-Butanone
 Concen: 100.015 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

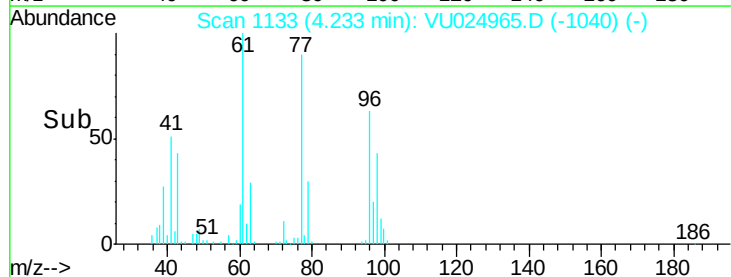
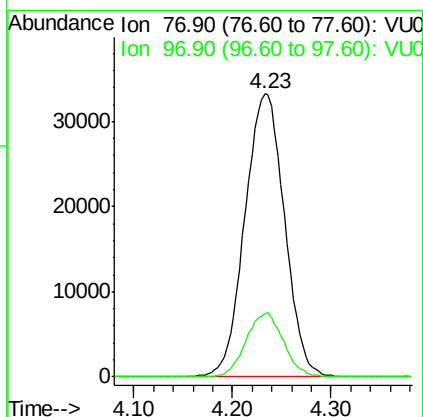
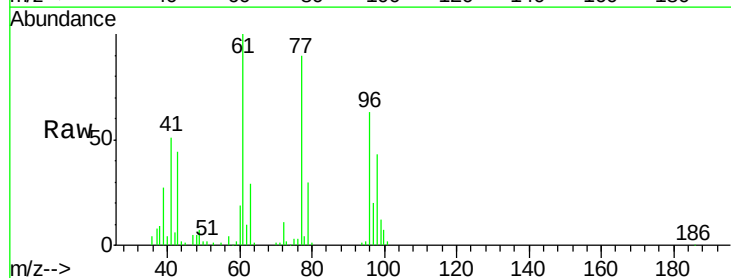
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

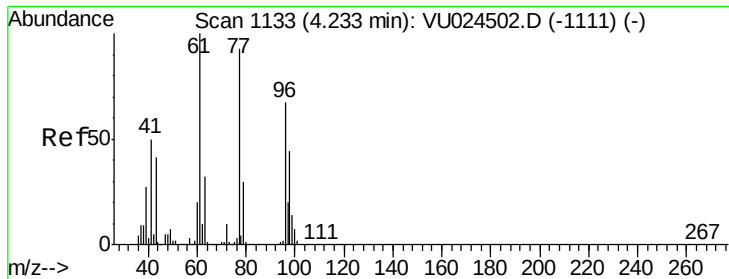
Tgt Ion: 43 Resp: 231351
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 20.543 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 77 Resp: 92333
 Ion Ratio Lower Upper
 77 100
 97 21.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.618 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

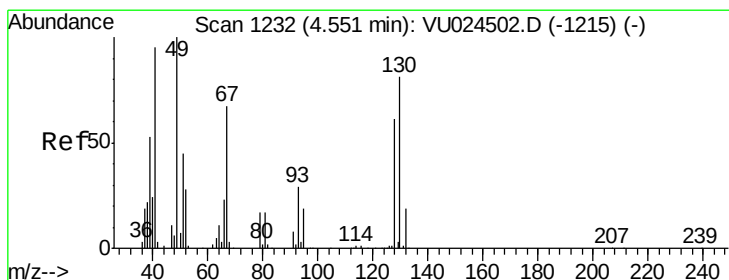
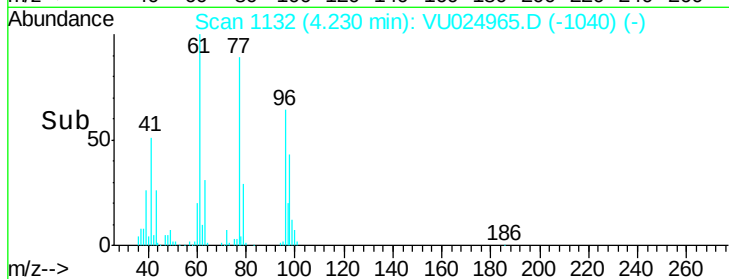
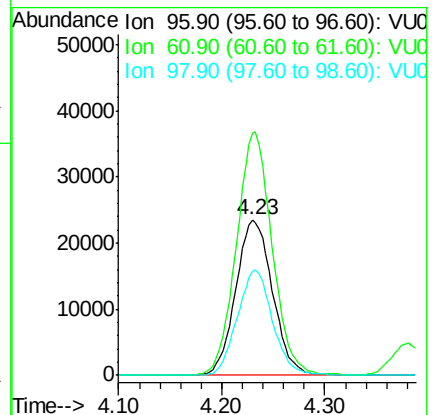
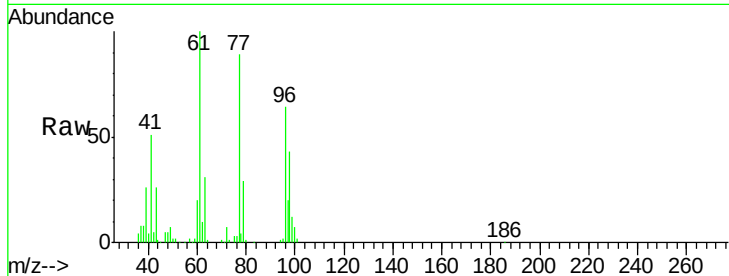
Tgt Ion: 96 Resp: 58362

Ion Ratio Lower Upper

96 100

61 151.9 0.0 306.6

98 64.7 0.0 128.8



#28

Bromochloromethane

Concen: 18.632 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

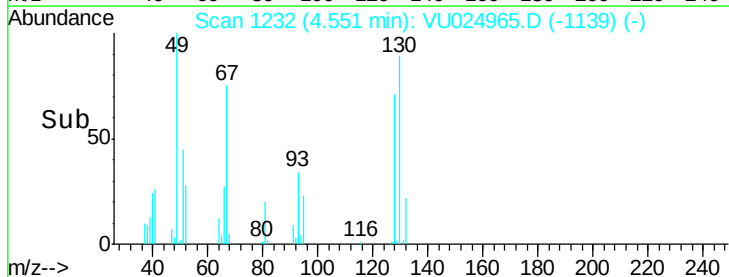
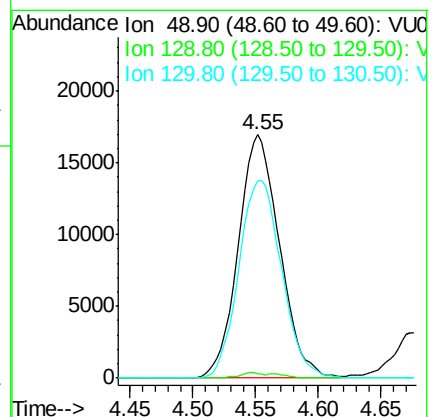
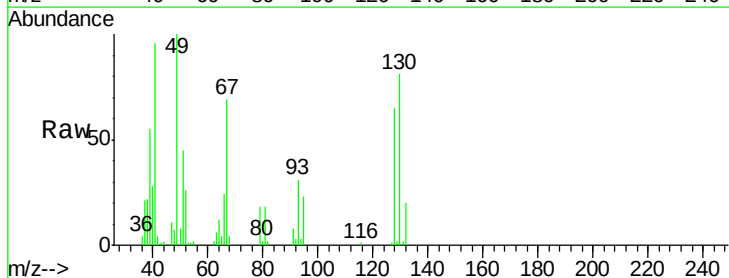
Tgt Ion: 49 Resp: 38846

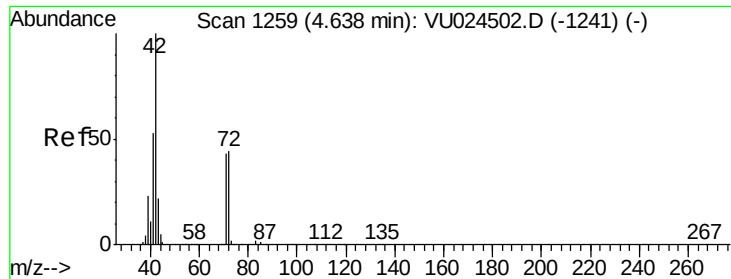
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

130 84.2 57.8 86.6





#29

Tetrahydrofuran

Concen: 96.182 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

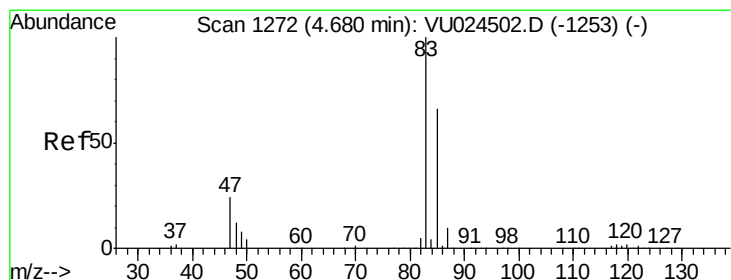
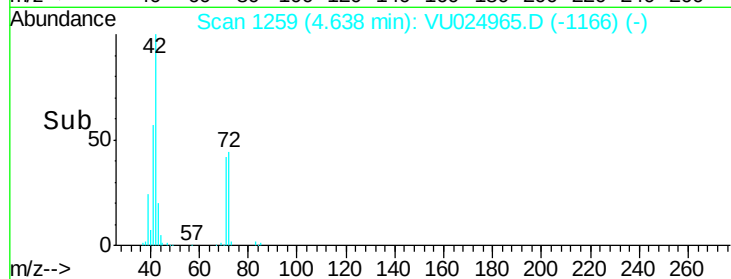
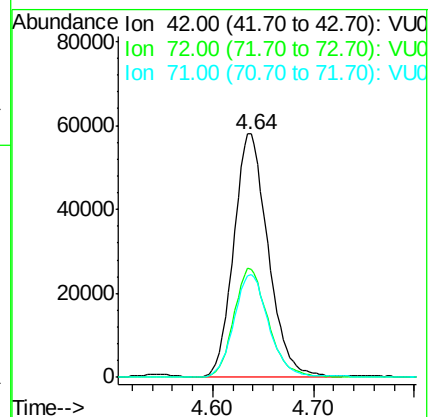
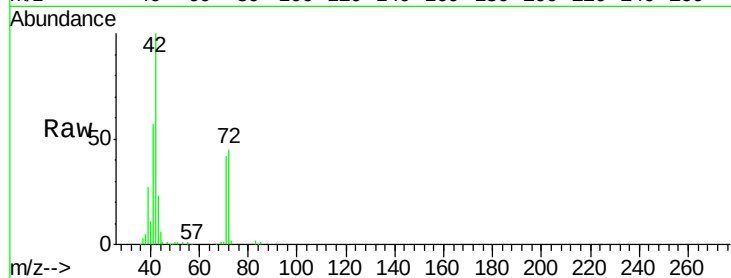
Tgt Ion: 42 Resp: 137778

Ion Ratio Lower Upper

42 100

72 44.7 34.5 51.7

71 42.5 32.2 48.4



#30

Chloroform

Concen: 20.757 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024965.D

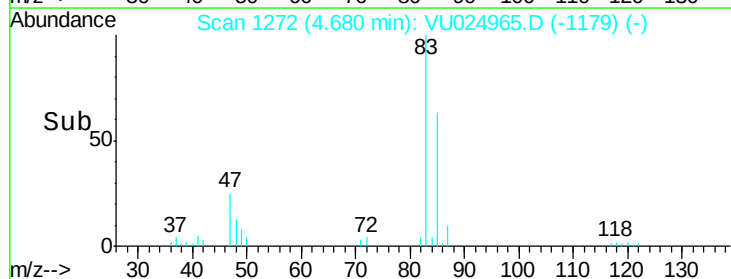
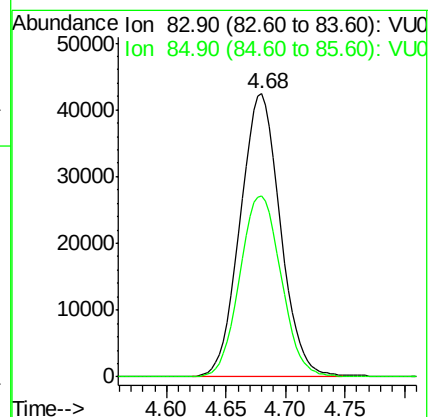
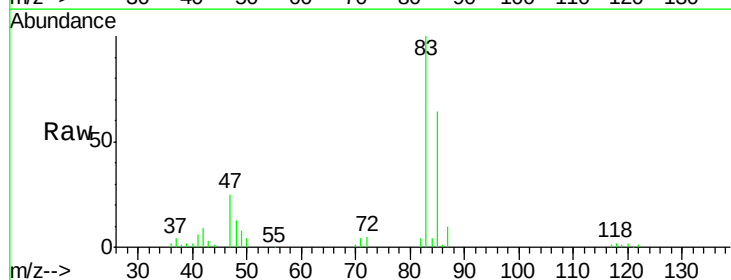
Acq: 27 Jun 2018 14:39

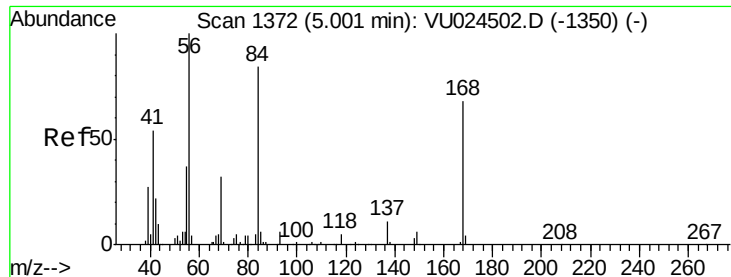
Tgt Ion: 83 Resp: 99445

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

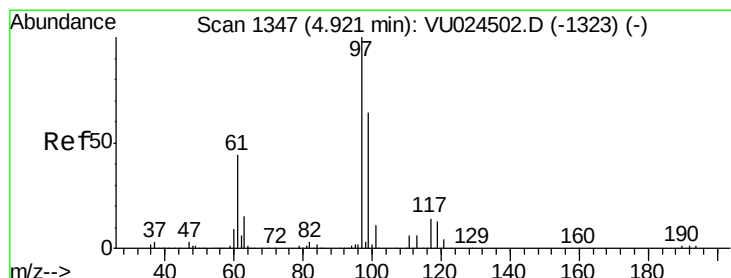
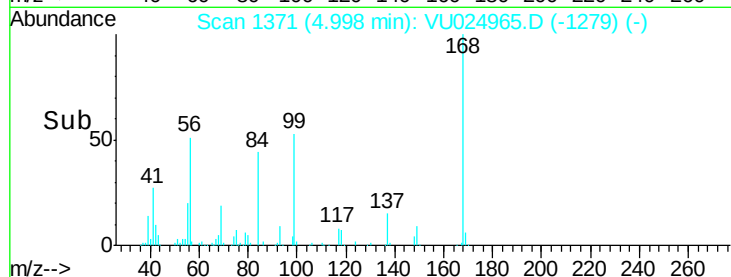
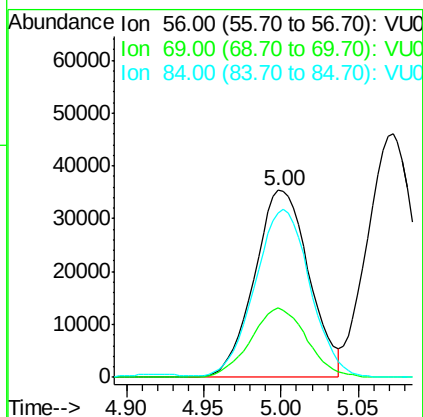
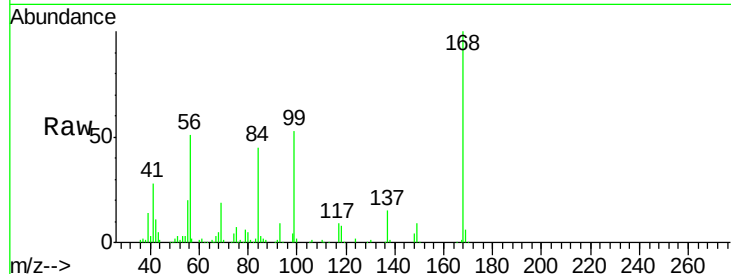




#31
Cyclohexane
Concen: 19.547 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

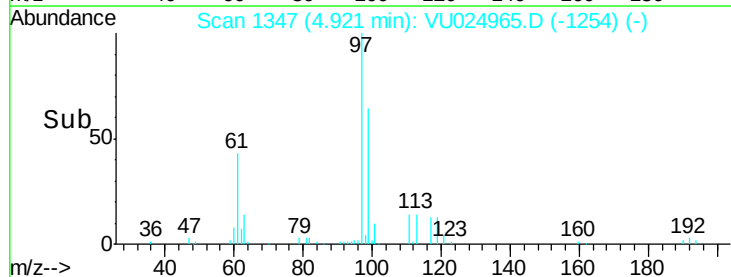
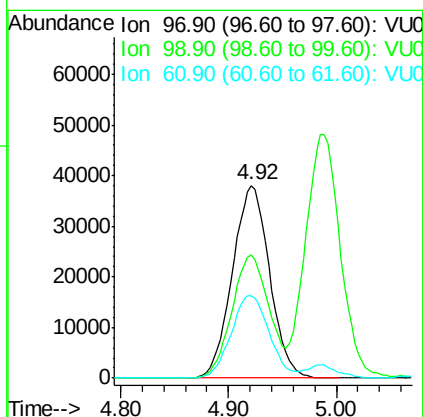
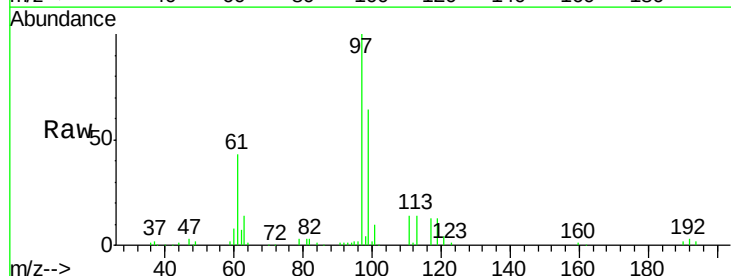
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

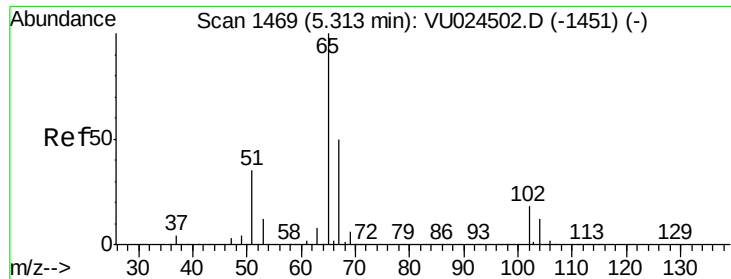
Tgt Ion: 56 Resp: 87218
Ion Ratio Lower Upper
56 100
69 36.9 24.8 37.2
84 87.0 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.602 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion: 97 Resp: 91276
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 43.7 39.4 59.0

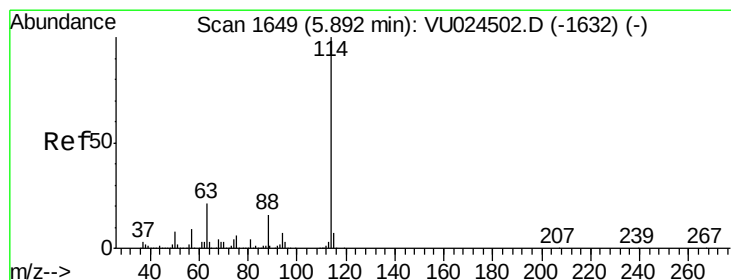
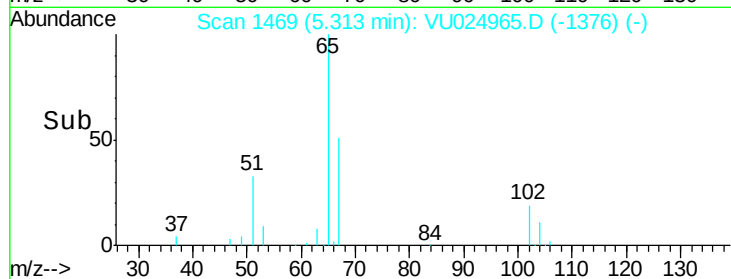
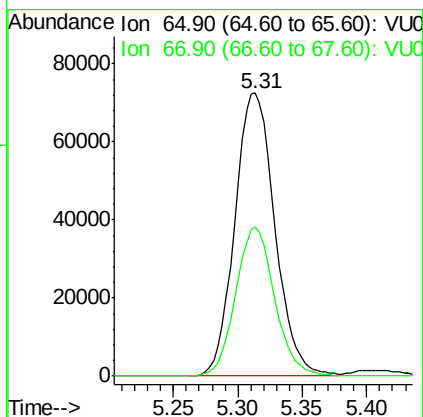
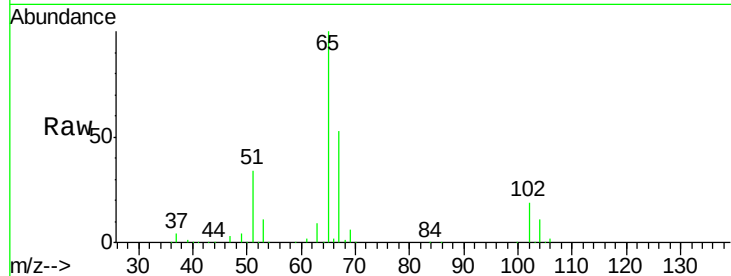




#33
 1,2-Dichloroethane-d4
 Concen: 48.862 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

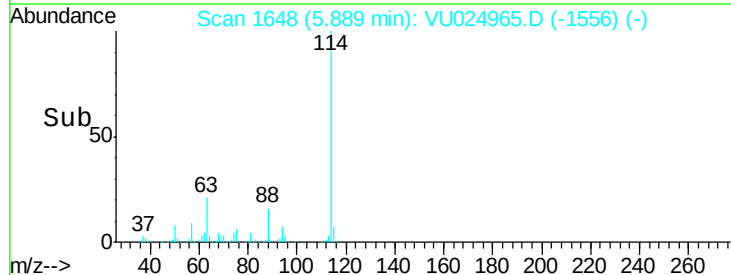
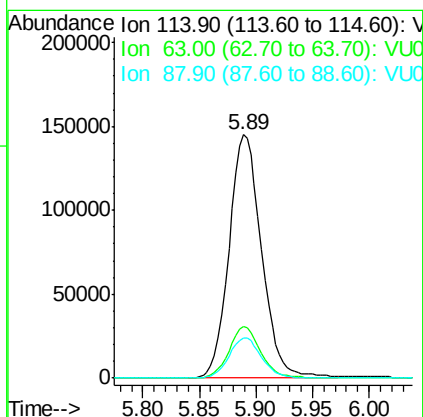
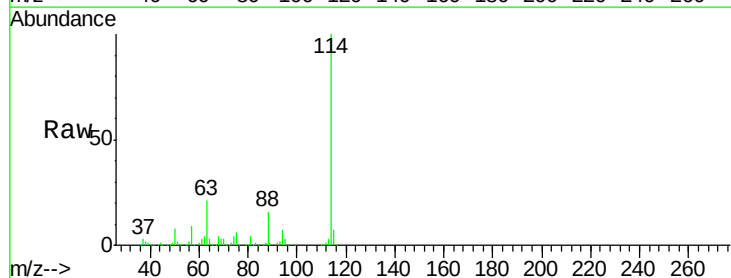
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

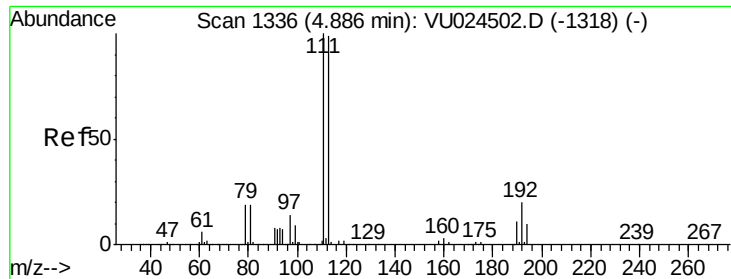
Tgt Ion: 65 Resp: 156606
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 114 Resp: 290805
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.4 0.0 31.0

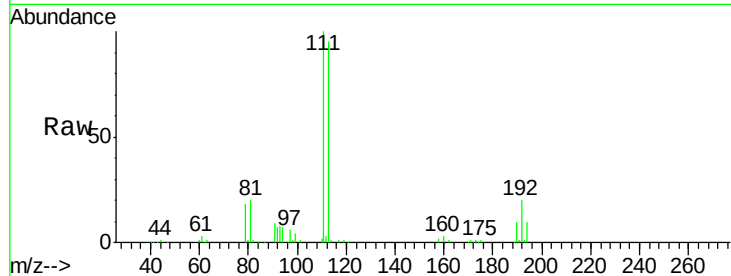




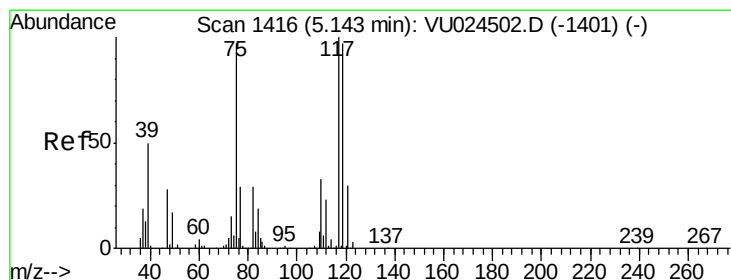
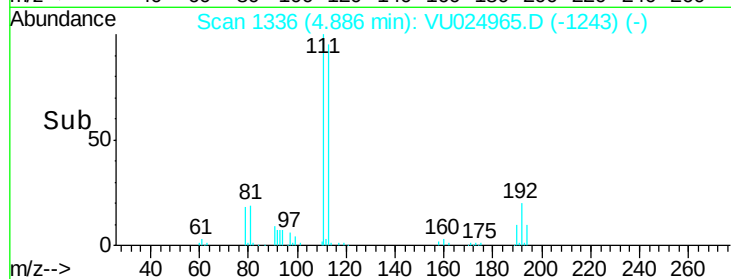
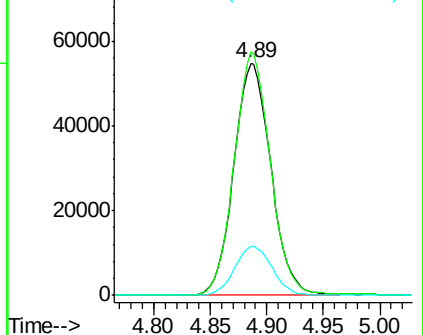
#35
 Dibromofluoromethane
 Concen: 51.747 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.2	16.2	24.4

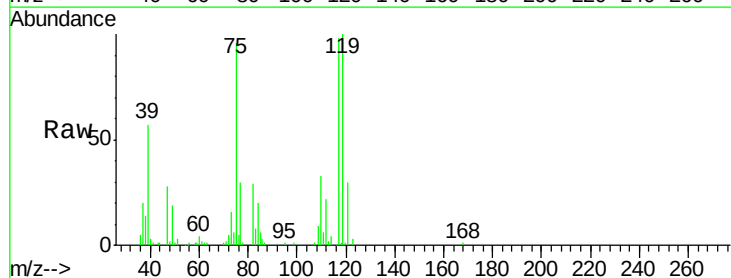


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

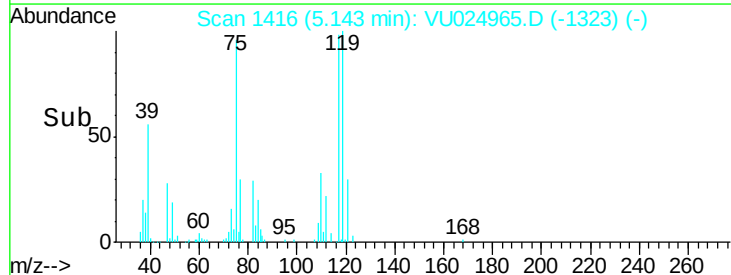
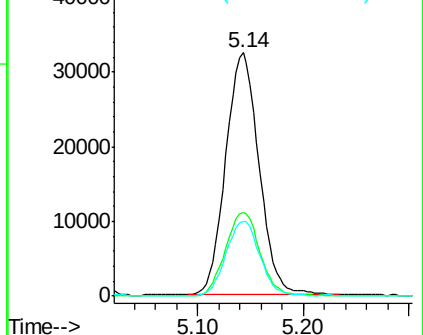


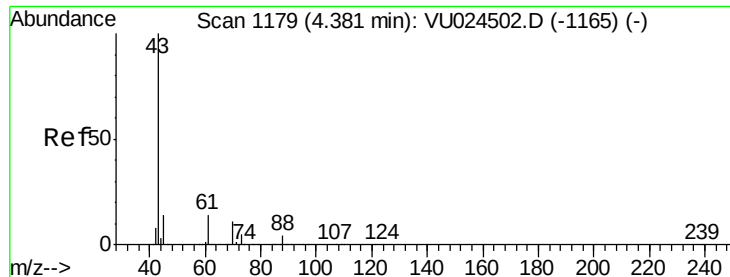
#36
 1,1-Dichloropropene
 Concen: 20.779 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.0	50.9
77	31.6	24.2	36.4



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

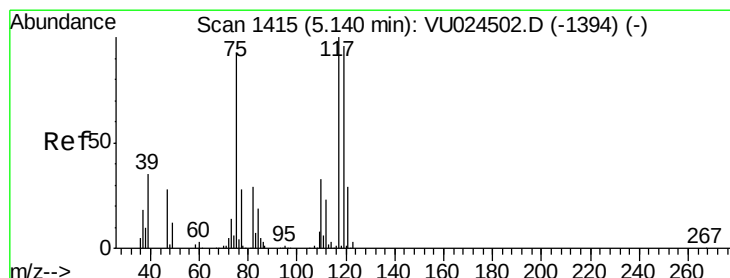
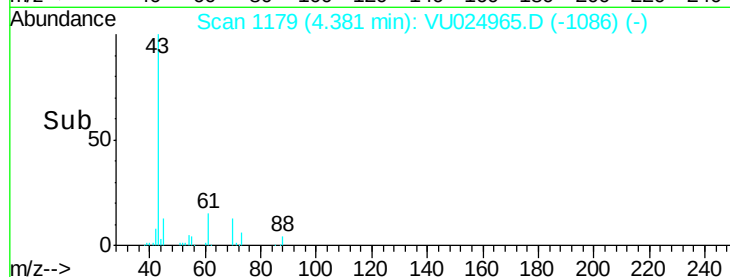
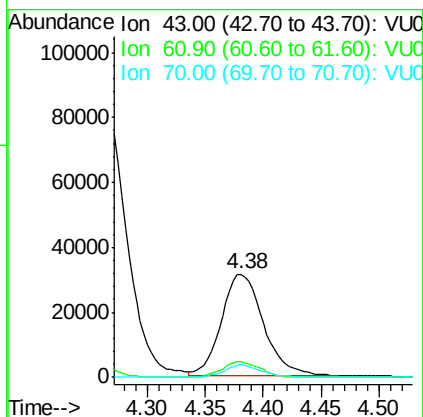
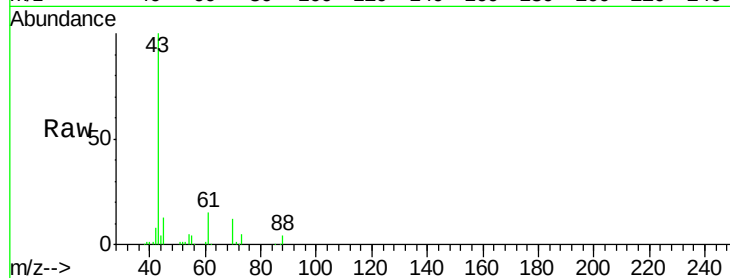




#37
Ethyl Acetate
 Concen: 21.377 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

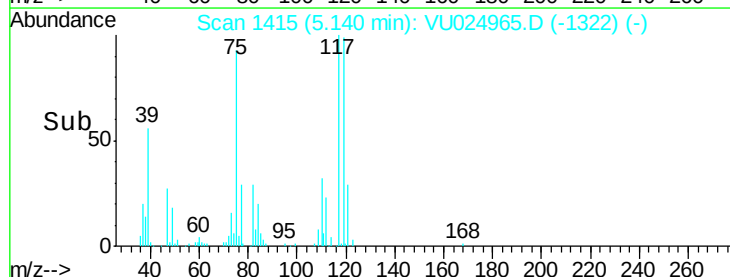
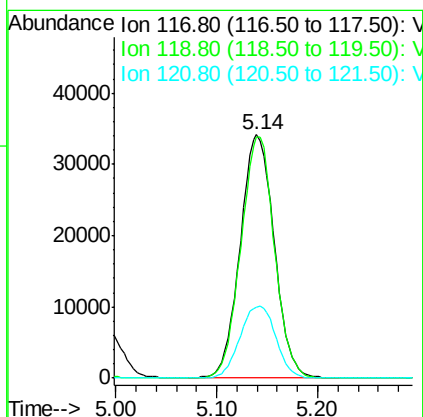
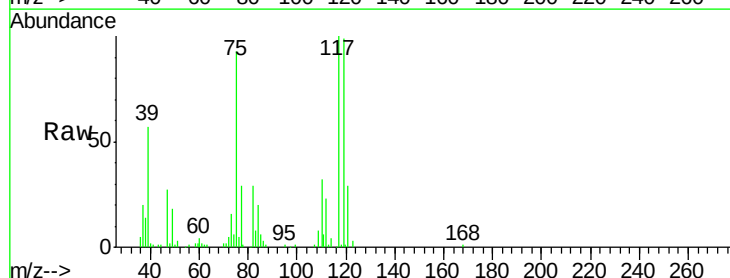
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

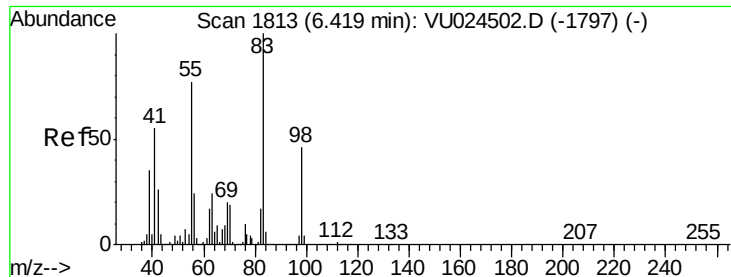
Tgt Ion: 43 Resp: 79619
 Ion Ratio Lower Upper
 43 100
 61 14.4 10.5 15.7
 70 11.2 7.4 11.2#



#38
Carbon Tetrachloride
 Concen: 21.247 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 117 Resp: 79840
 Ion Ratio Lower Upper
 117 100
 119 99.3 76.1 114.1
 121 29.3 23.7 35.5

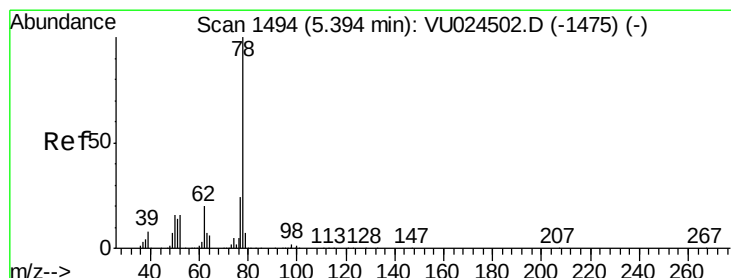
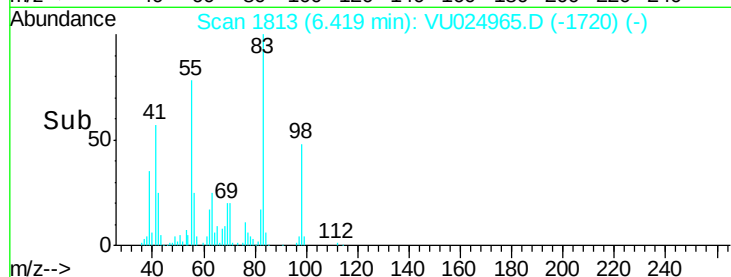
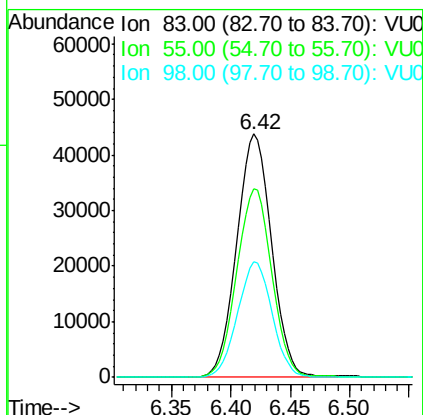
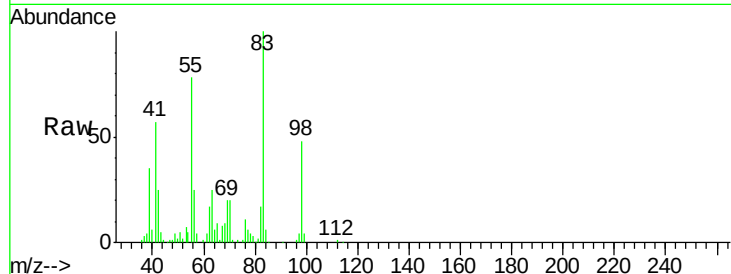




#39
Methylcyclohexane
Concen: 20.908 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

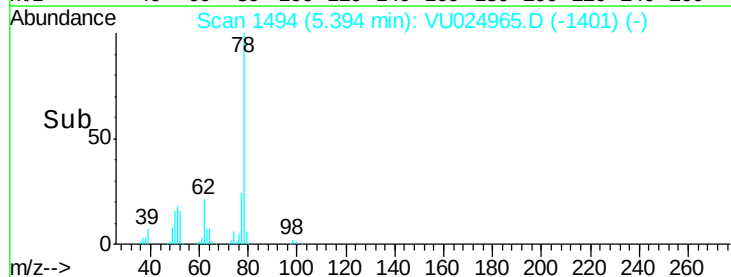
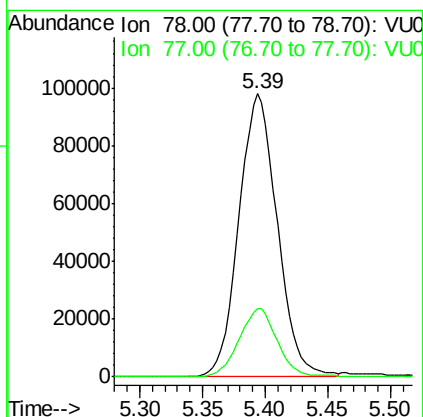
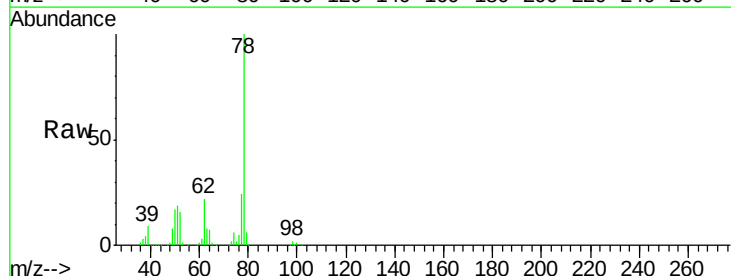
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

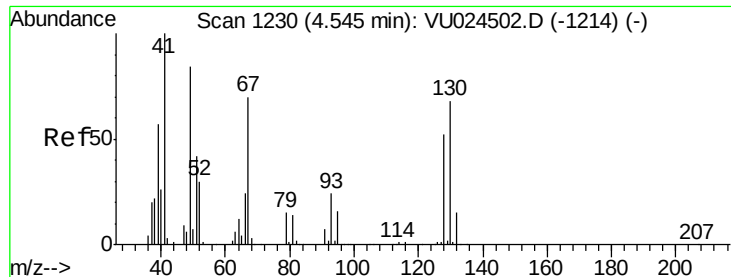
Tgt Ion: 83 Resp: 89161
Ion Ratio Lower Upper
83 100
55 77.7 65.8 98.6
98 47.7 36.7 55.1



#40
Benzene
Concen: 21.429 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion: 78 Resp: 208659
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

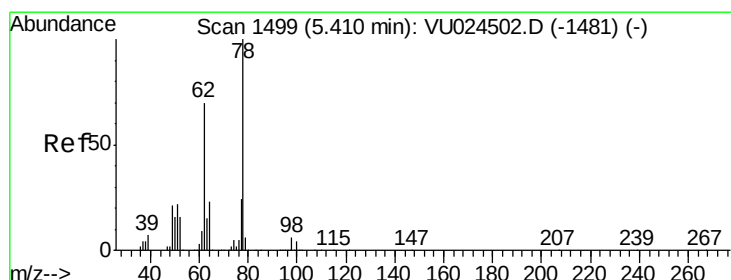
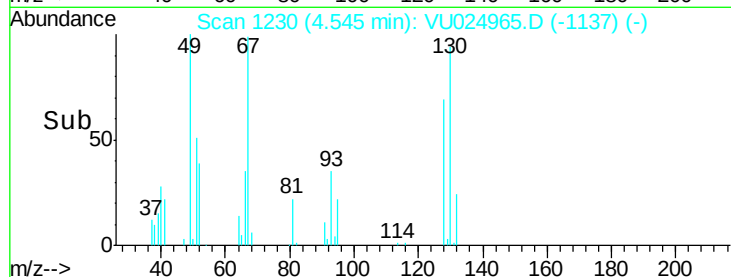
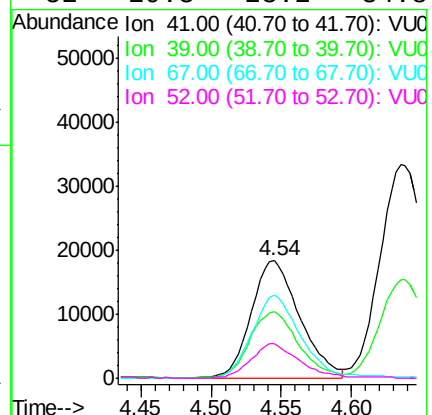
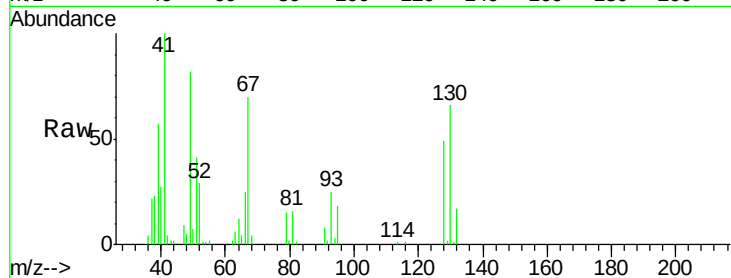




#41
Methacrylonitrile
Concen: 22.075 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

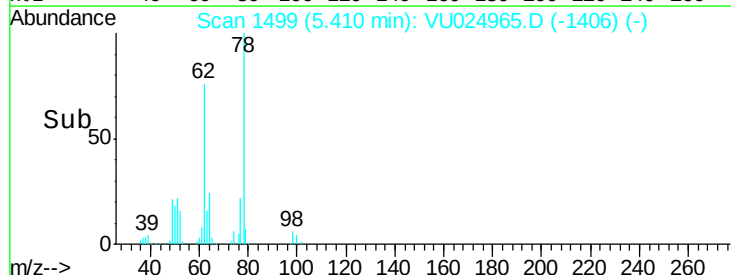
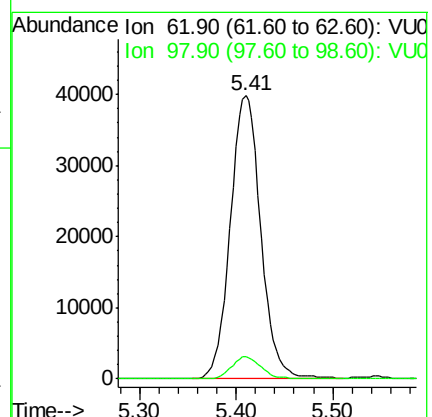
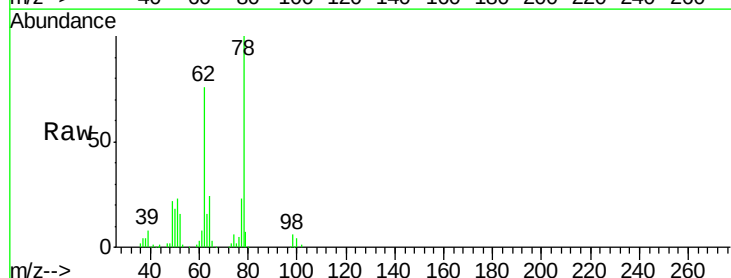
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

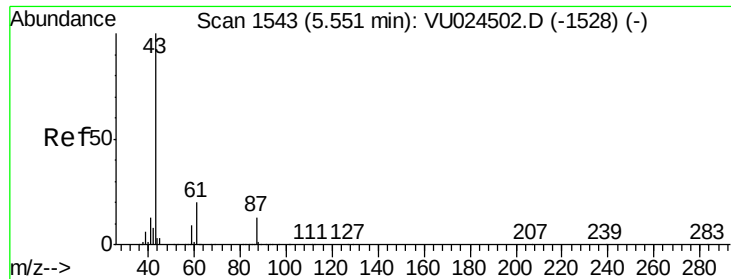
Tgt Ion:	41	Resp:	44329
Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.8	65.6
67	70.3	56.3	84.5
52	29.3	23.2	34.8



#42
1,2-Dichloroethane
Concen: 23.469 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion:	62	Resp:	87036
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.941 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

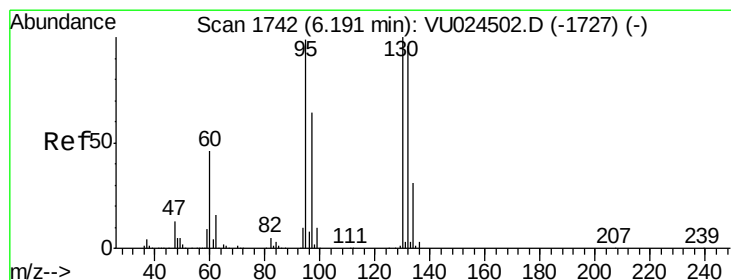
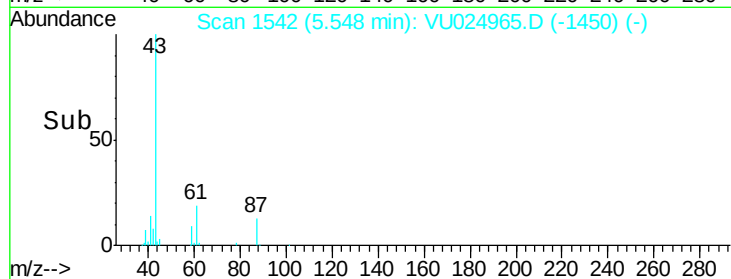
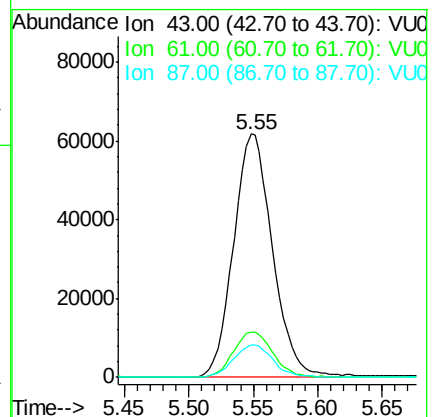
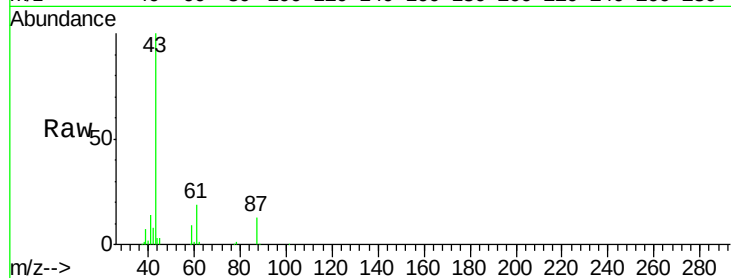
Tgt Ion: 43 Resp: 128377

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

87 13.7 10.0 15.0



#44

Trichloroethene

Concen: 20.954 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024965.D

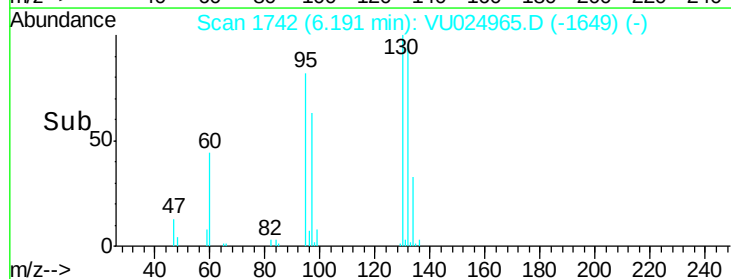
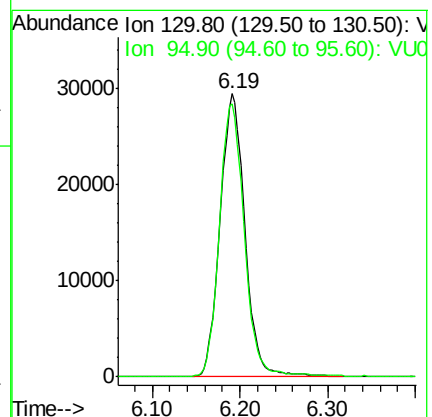
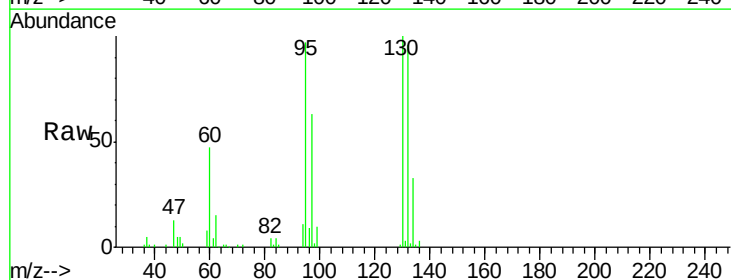
Acq: 27 Jun 2018 14:39

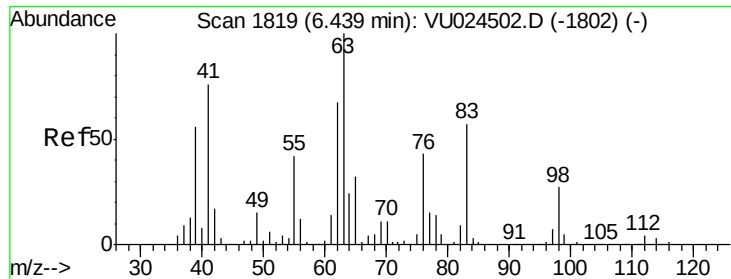
Tgt Ion: 130 Resp: 58068

Ion Ratio Lower Upper

130 100

95 96.6 0.0 202.4

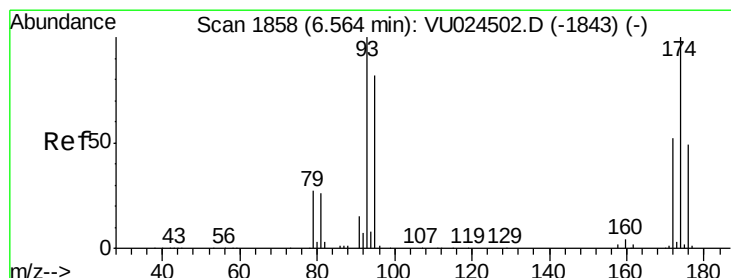
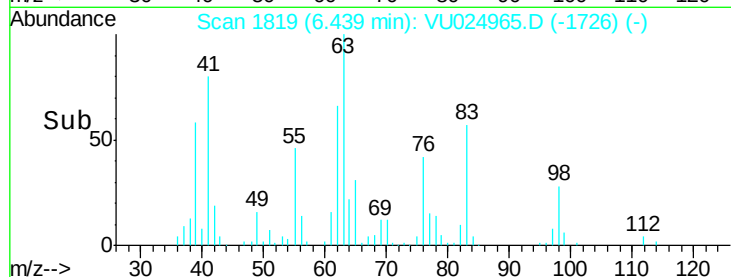
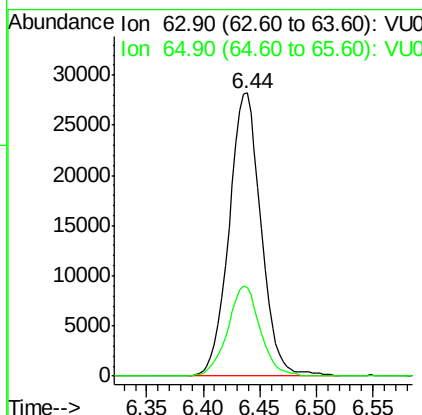
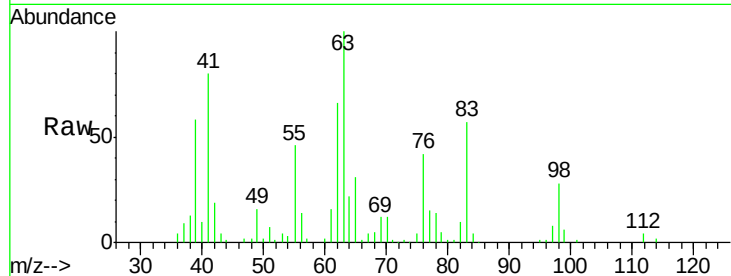




#45
 1,2-Dichloropropane
 Concen: 21.400 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

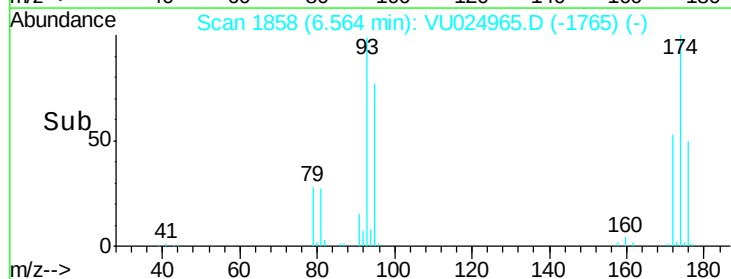
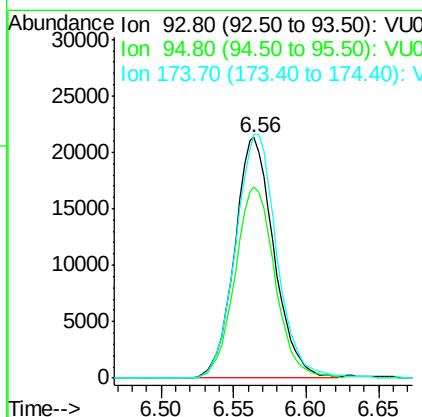
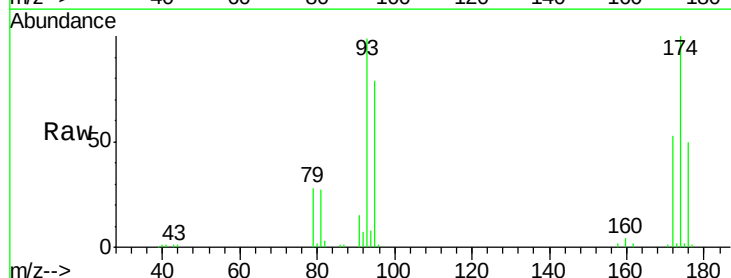
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

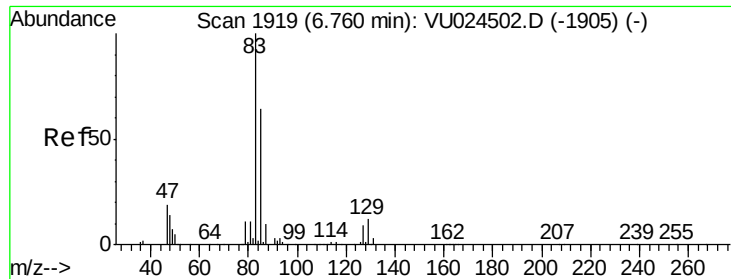
Tgt Ion: 63 Resp: 55599
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#46
 Dibromomethane
 Concen: 21.998 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 93 Resp: 40144
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.5 98.3
 174 105.8 78.7 118.1





#47

Bromodichloromethane

Concen: 20.592 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

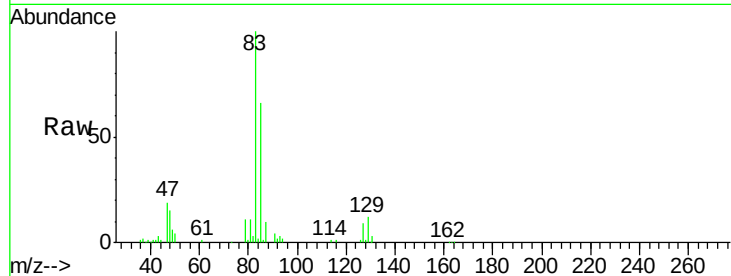
Tgt Ion: 83 Resp: 74831

Ion Ratio Lower Upper

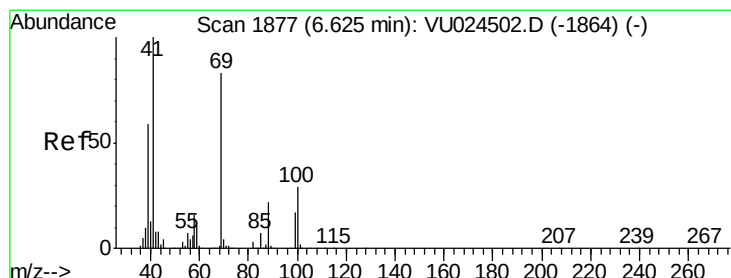
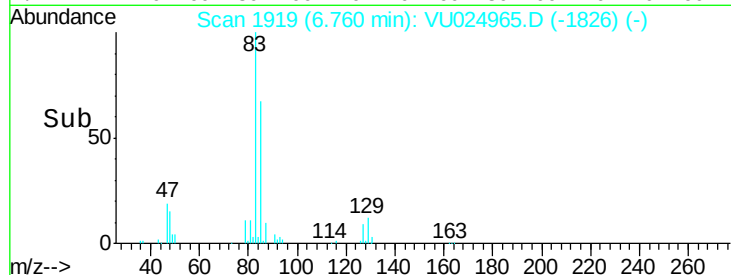
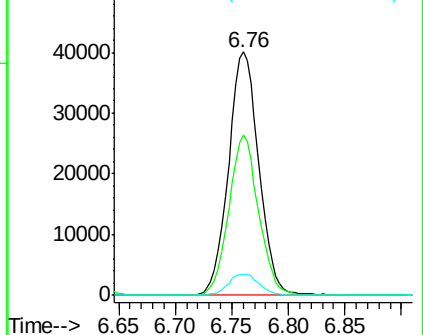
83 100

85 66.1 51.9 77.9

127 8.7 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: 21.693 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

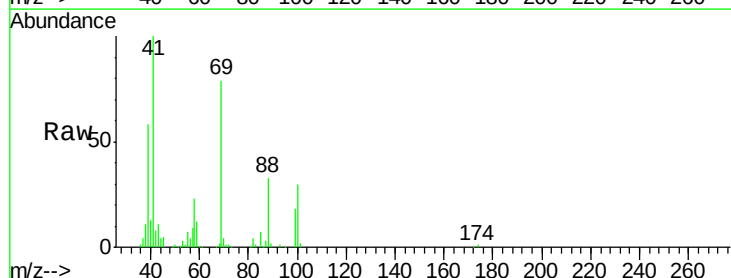
Tgt Ion: 41 Resp: 68004

Ion Ratio Lower Upper

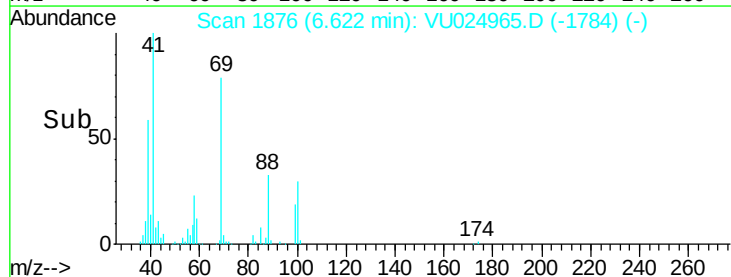
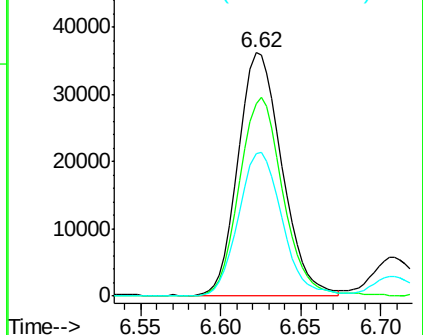
41 100

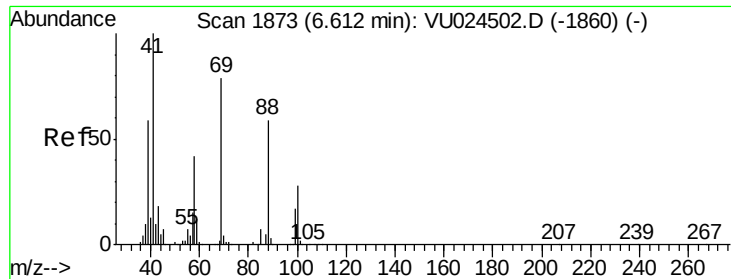
69 81.1 67.3 100.9

39 58.7 46.5 69.7



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

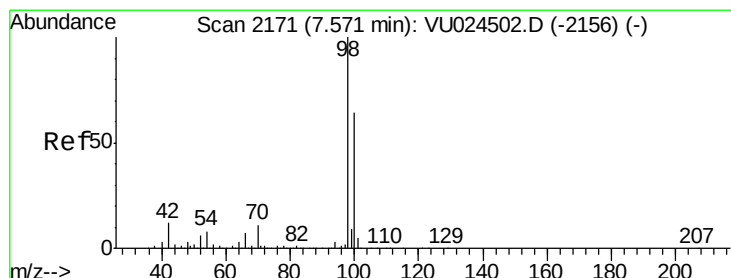
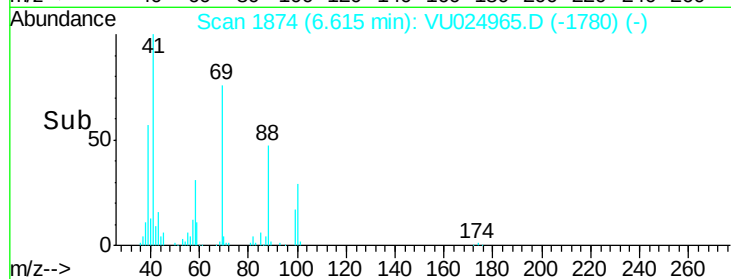
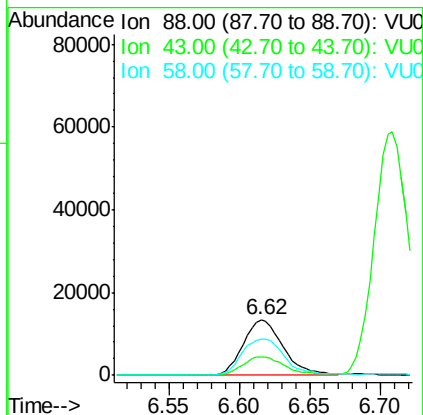
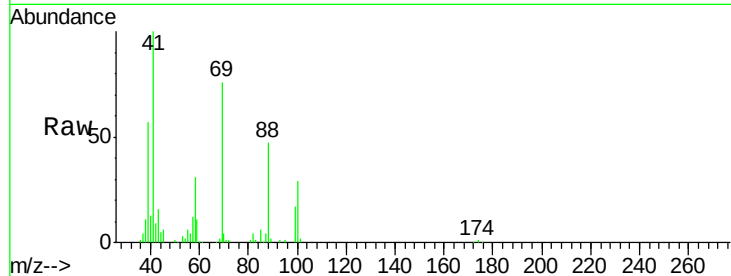




#49
1,4-Dioxane
Concen: 437.440 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

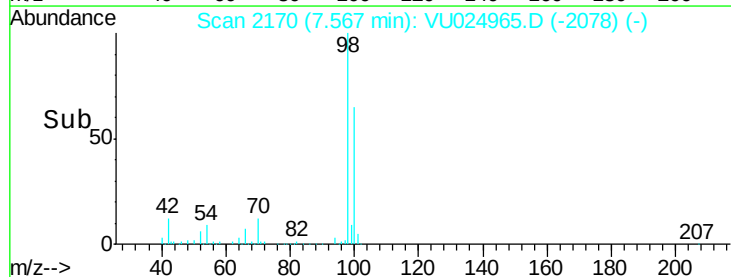
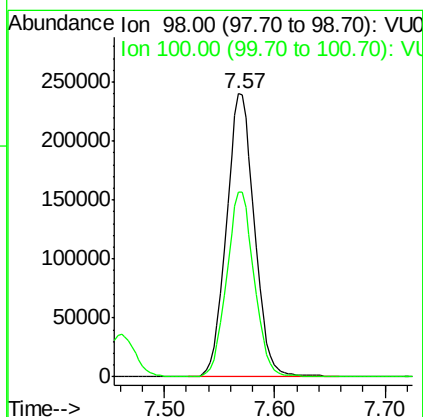
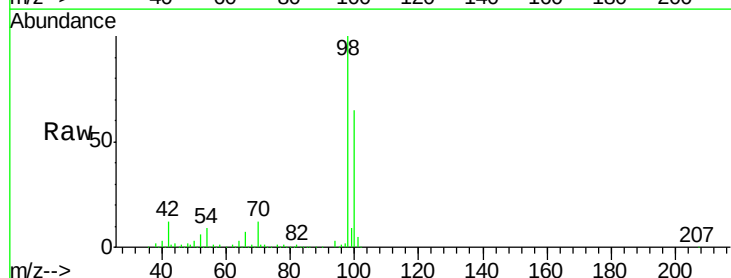
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

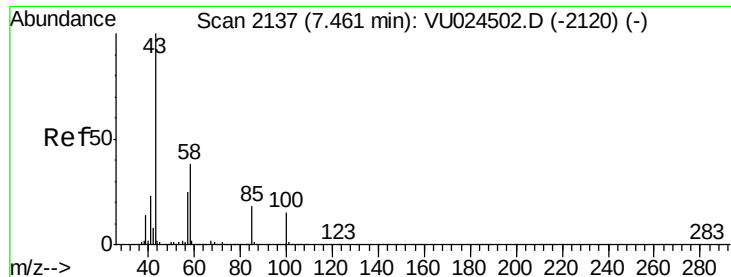
Tgt Ion: 88 Resp: 26818
Ion Ratio Lower Upper
88 100
43 35.1 28.6 42.8
58 70.8 58.2 87.4



#50
Toluene-d8
Concen: 47.936 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion: 98 Resp: 421992
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7

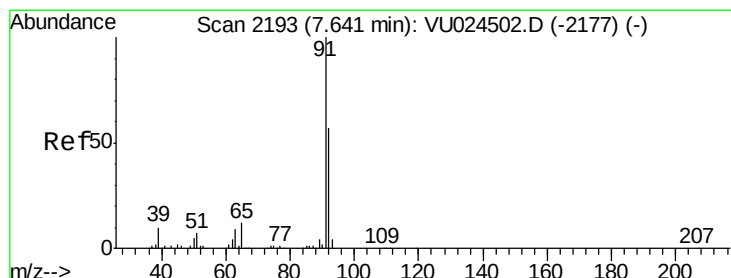
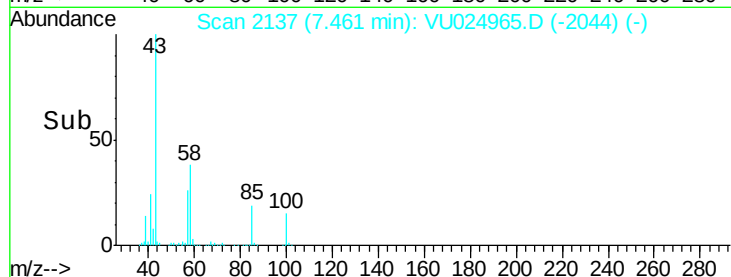
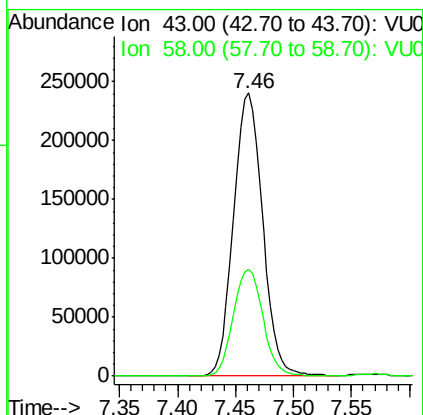
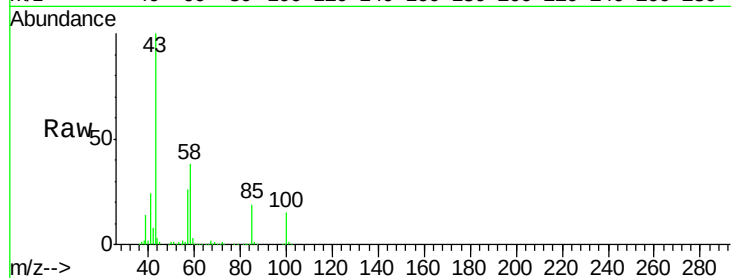




#51
 4-Methyl-2-Pentanone
 Concen: 103.818 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

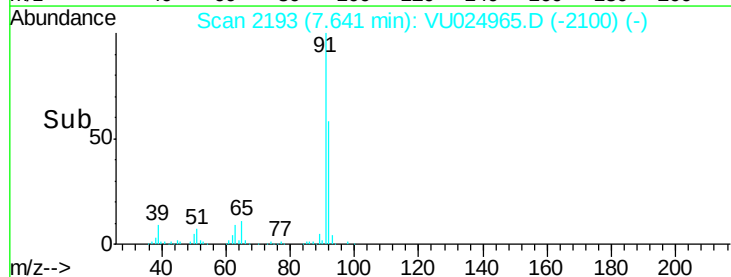
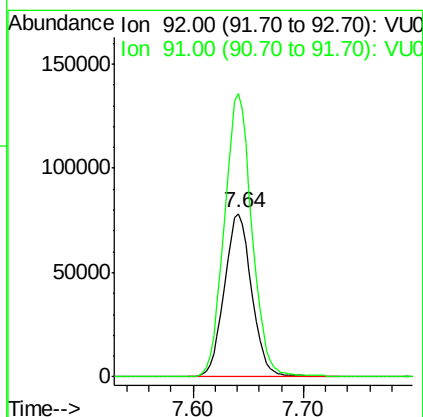
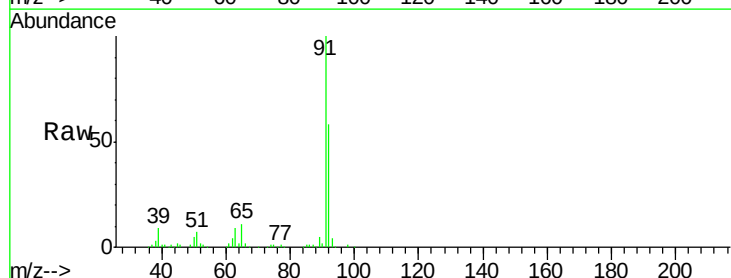
Instrument :
 MSVOA_U
 ClientSampleID :
 VU0627MBSD03

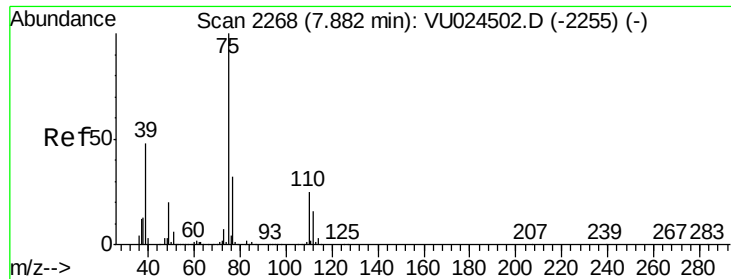
Tgt Ion: 43 Resp: 419906
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.0 45.0



#52
 Toluene
 Concen: 21.537 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 92 Resp: 134917
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 20.036 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

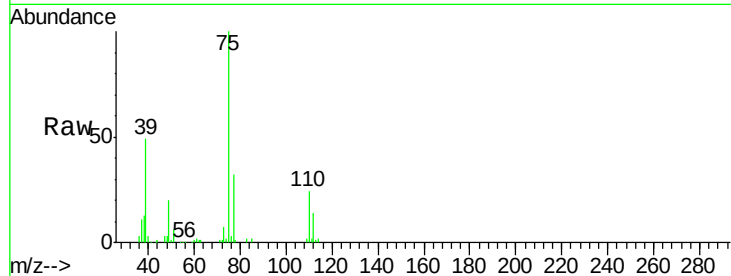
VU0627MBSD03

Tgt Ion: 75 Resp: 81768

Ion Ratio Lower Upper

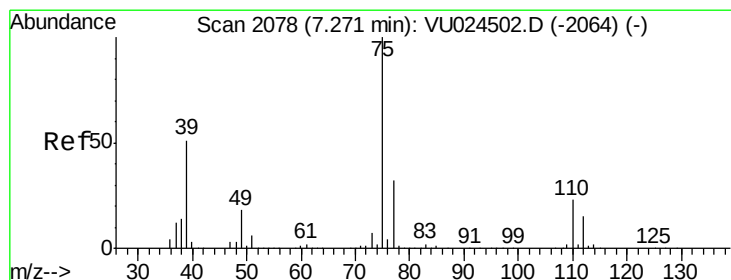
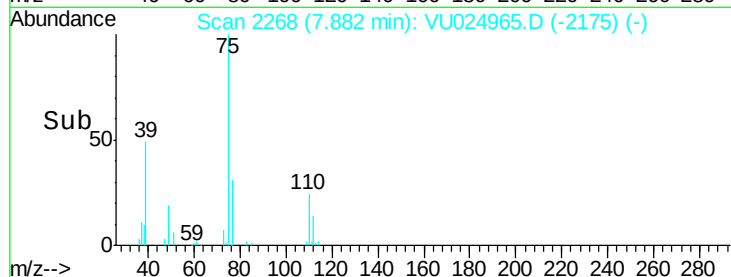
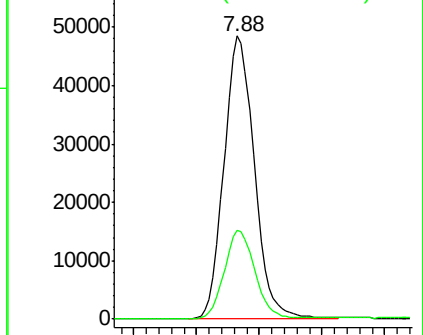
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.021 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

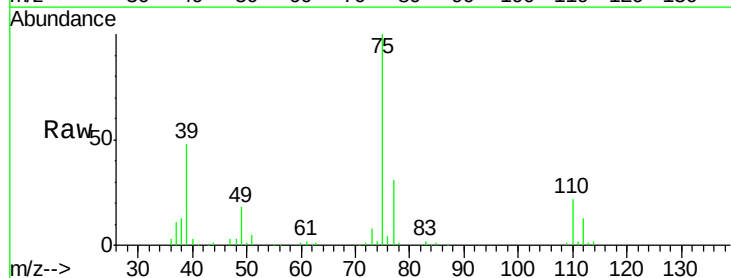
Tgt Ion: 75 Resp: 87063

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

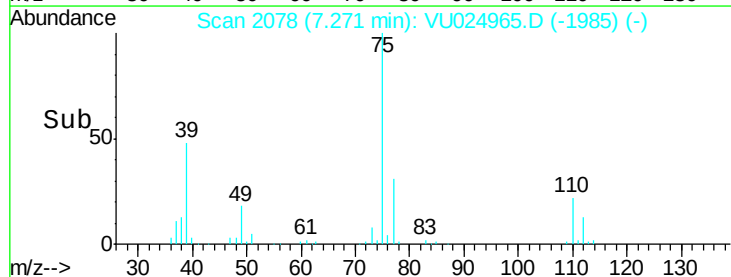
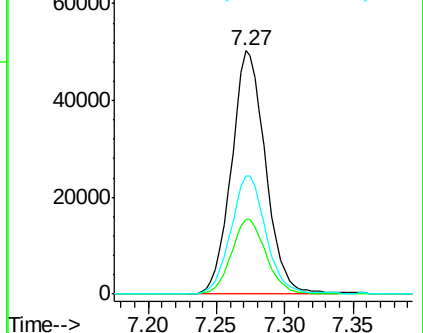
39 48.4 39.8 59.6

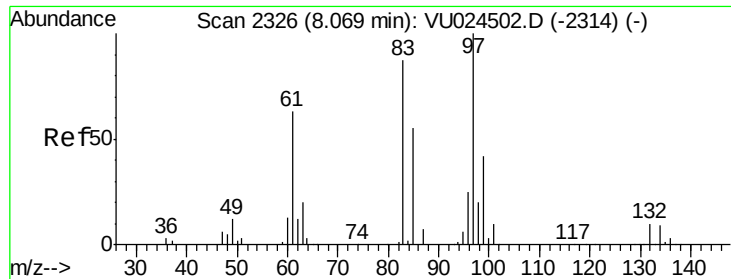


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

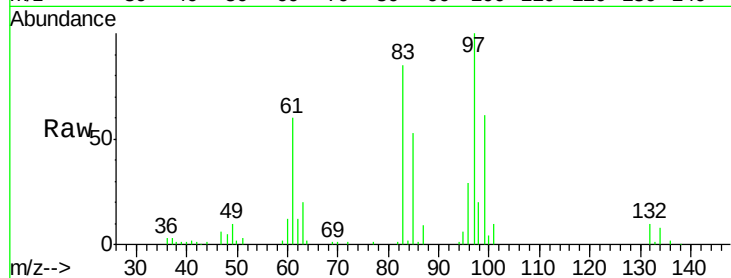




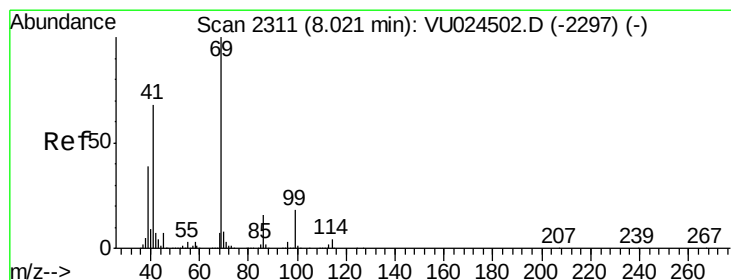
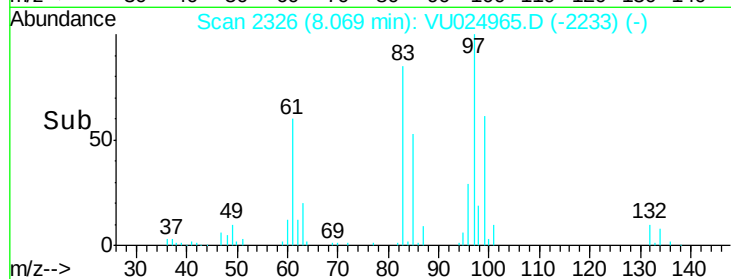
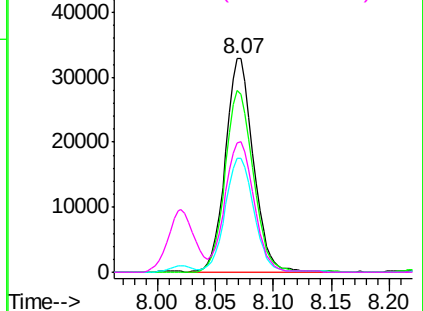
#55
 1,1,2-Trichloroethane
 Concen: 21.620 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

Tgt Ion:	97	Resp:	55055
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	53.5	46.4	69.6
99	60.6	50.2	75.2

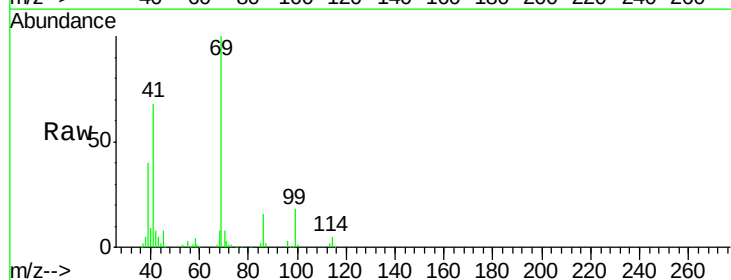


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

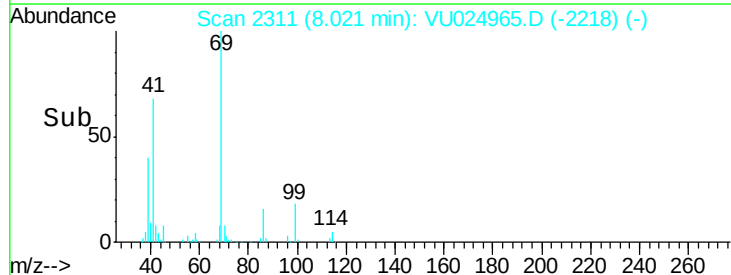
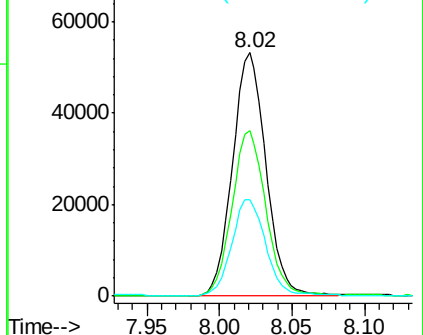


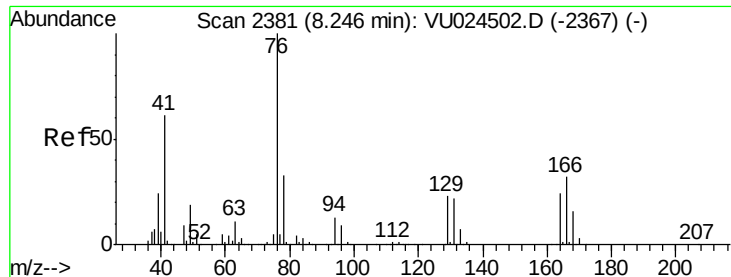
#56
 Ethyl methacrylate
 Concen: 20.022 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion:	69	Resp:	85336
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	39.8	30.3	45.5



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

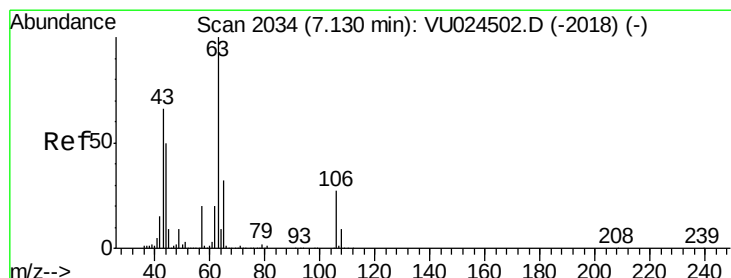
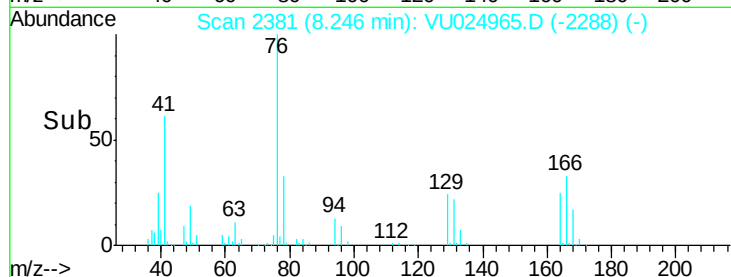
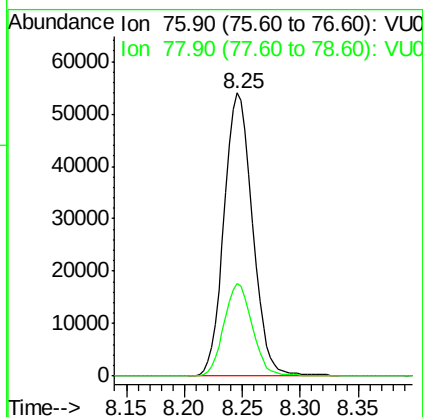
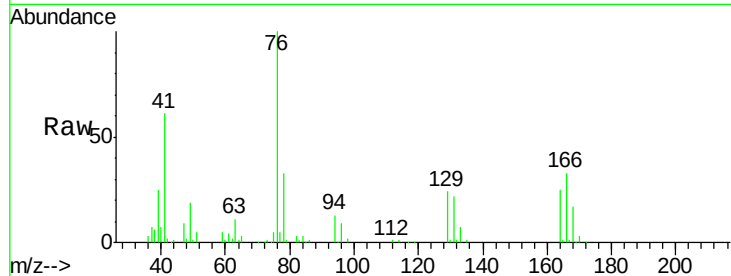




#57
 1,3-Dichloropropane
 Concen: 21.400 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

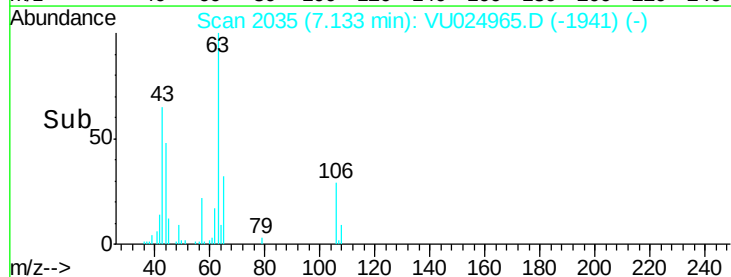
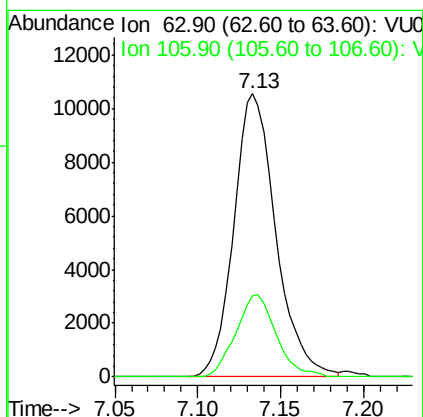
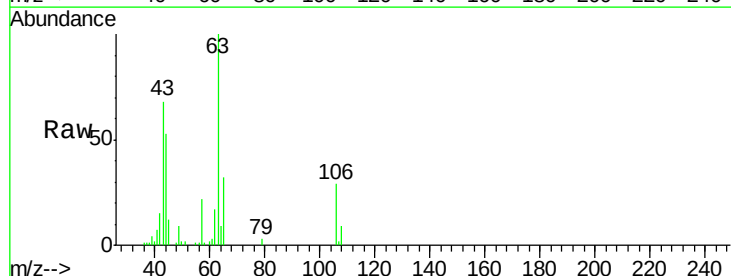
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

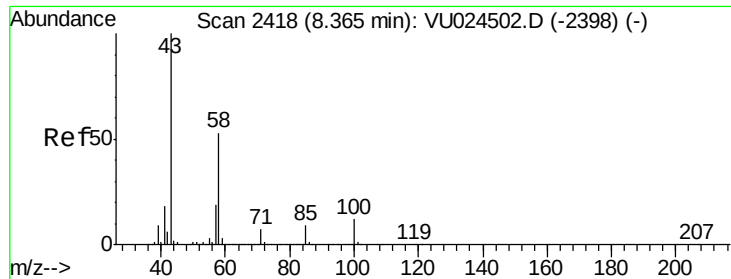
Tgt Ion: 76 Resp: 91925
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.400 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 63 Resp: 18614
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2

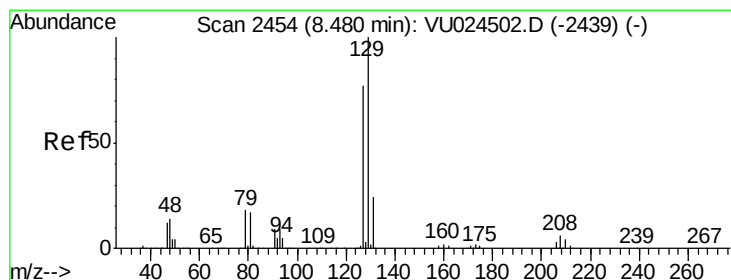
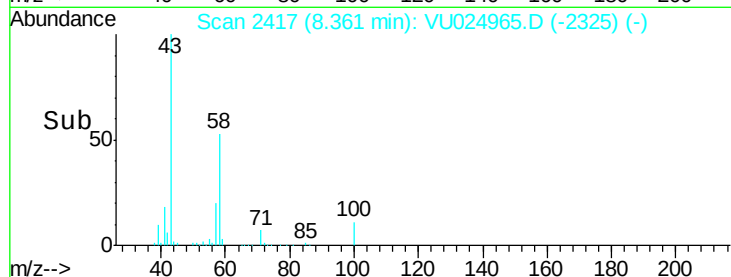
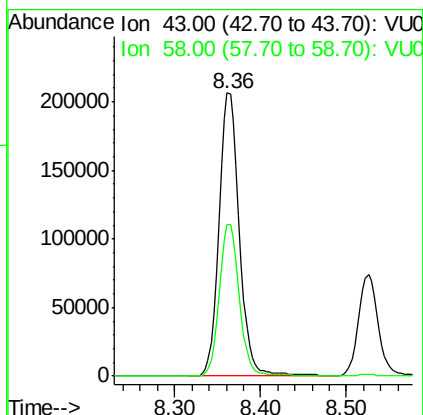
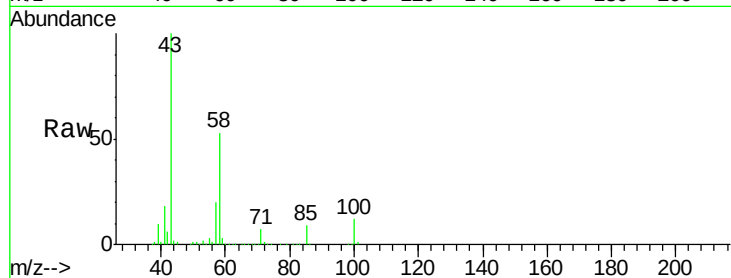




#59
2-Hexanone
Concen: 102.763 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

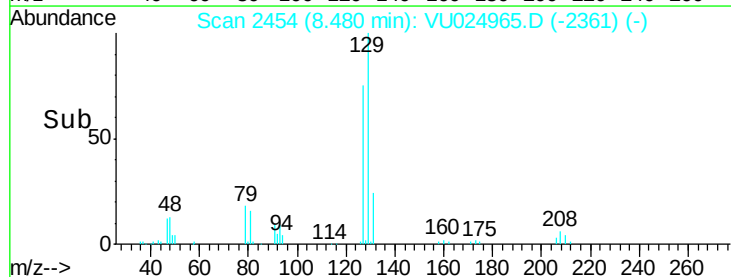
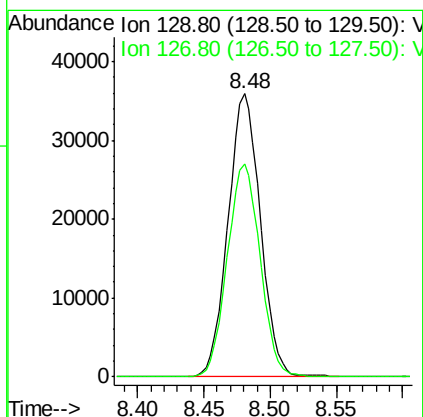
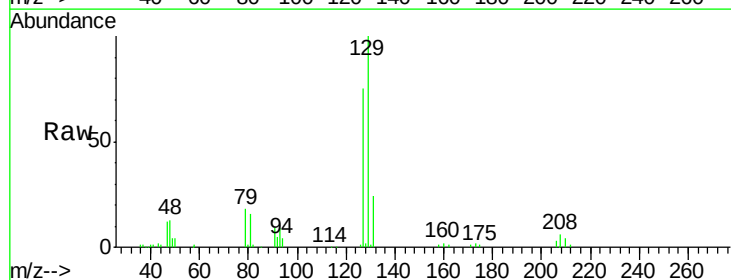
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

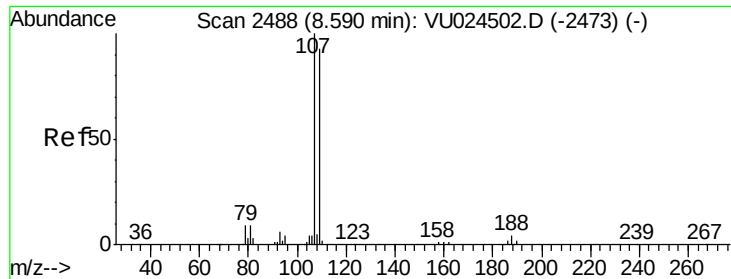
Tgt Ion: 43 Resp: 339330
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 19.180 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion: 129 Resp: 60904
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.805 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

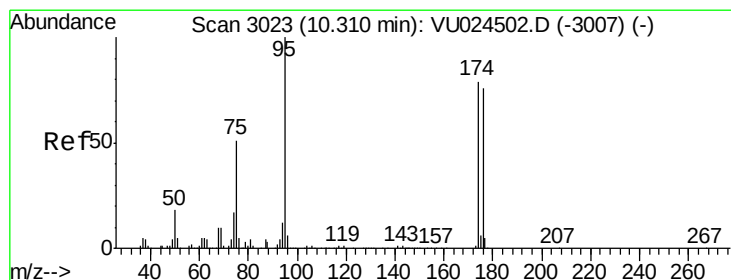
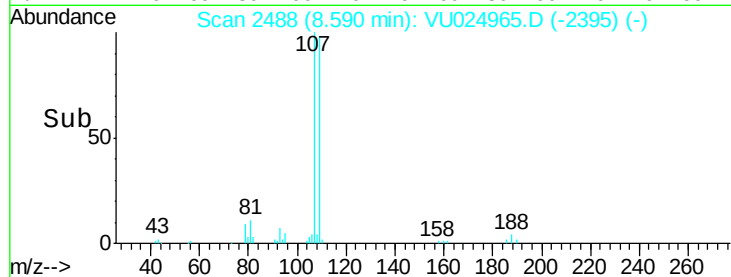
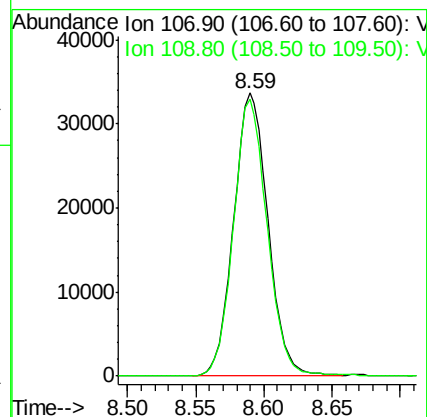
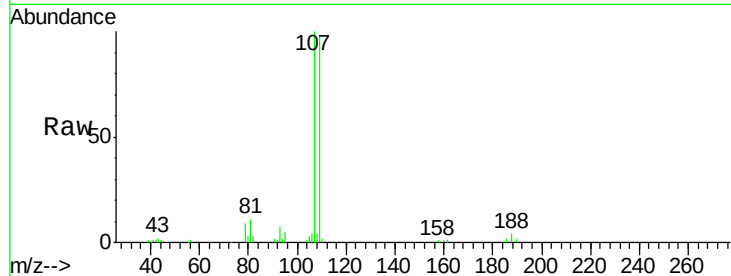
VU0627MBSD03

Tgt Ion: 107 Resp: 58967

Ion Ratio Lower Upper

107 100

109 95.9 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 49.203 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

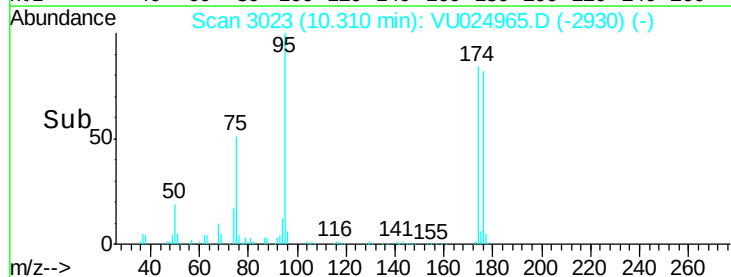
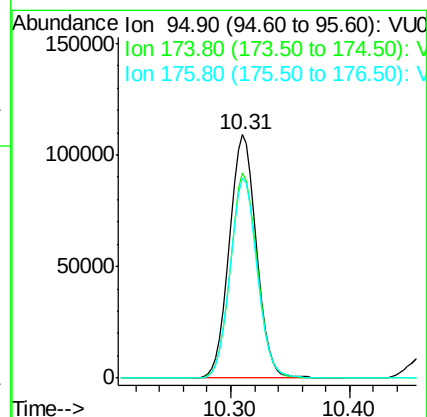
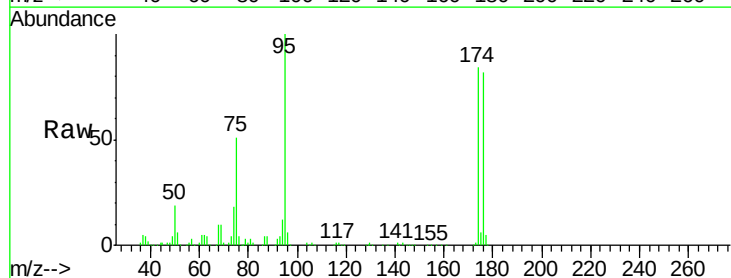
Tgt Ion: 95 Resp: 171977

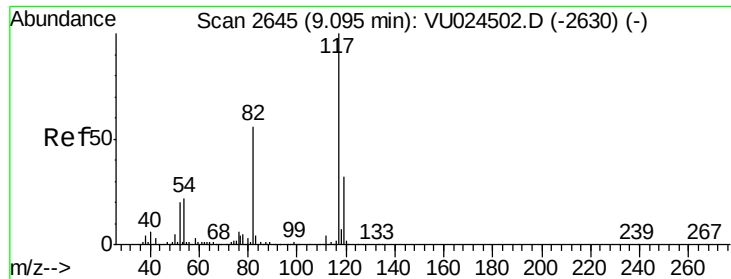
Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.8

176 81.9 0.0 159.4

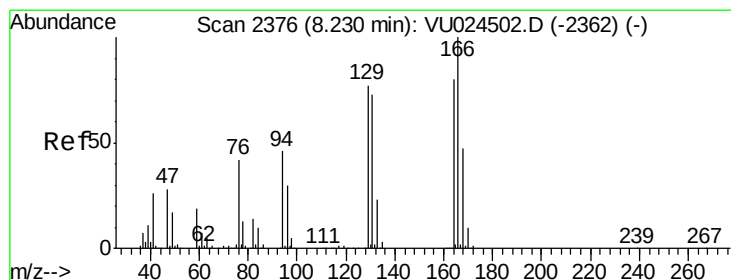
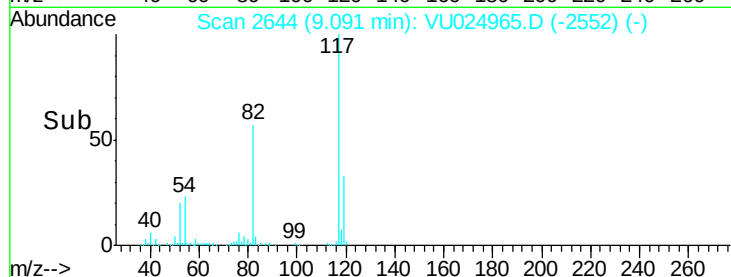
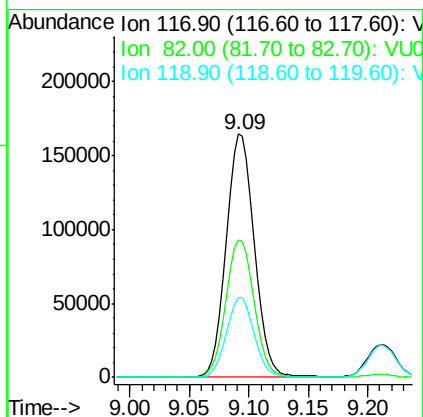
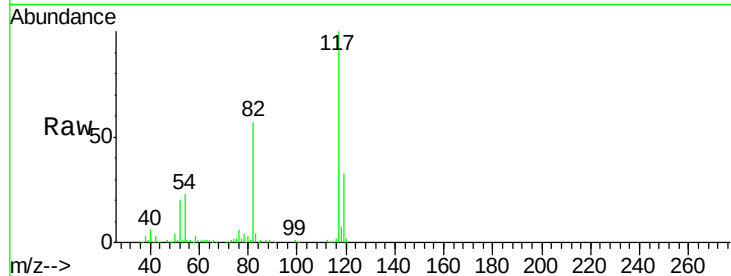




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

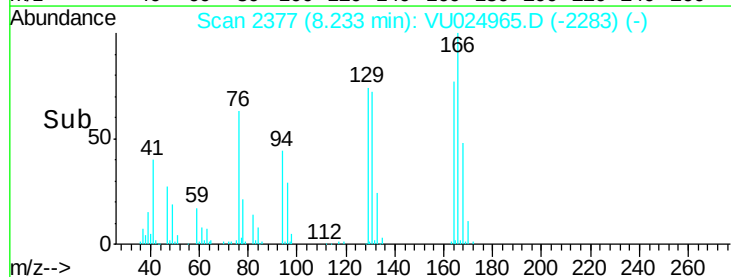
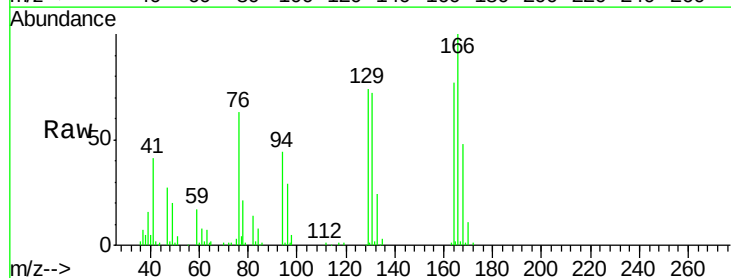
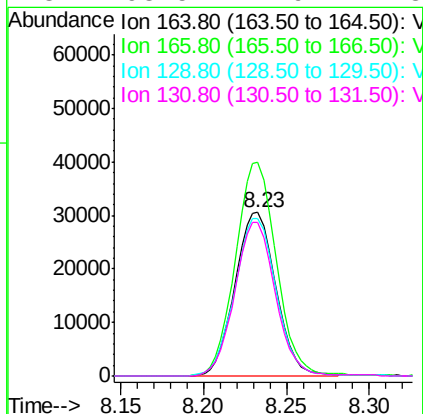
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

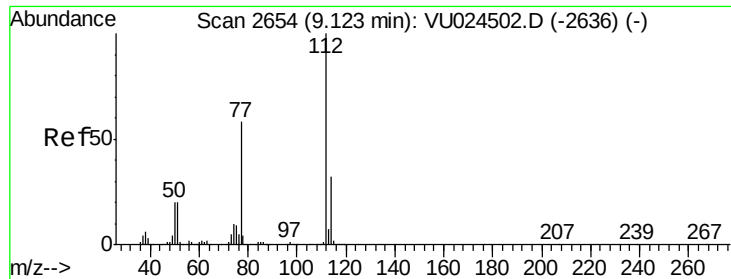
Tgt Ion:117 Resp: 271169
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 33.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion:164 Resp: 52628
Ion Ratio Lower Upper
164 100
166 130.4 101.7 152.5
129 96.5 76.9 115.3
131 93.5 74.9 112.3

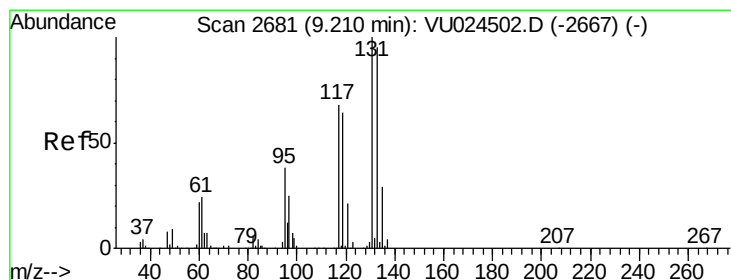
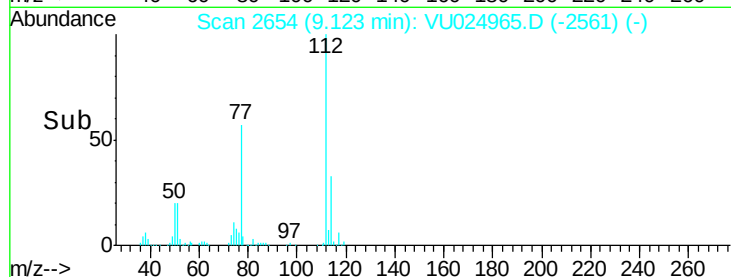
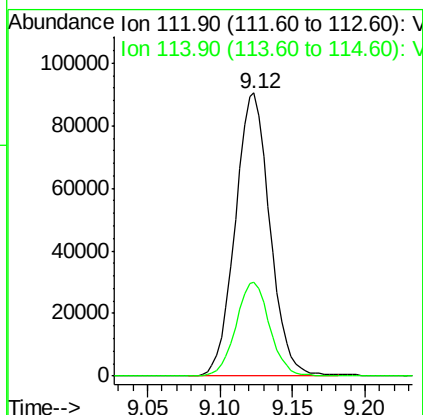
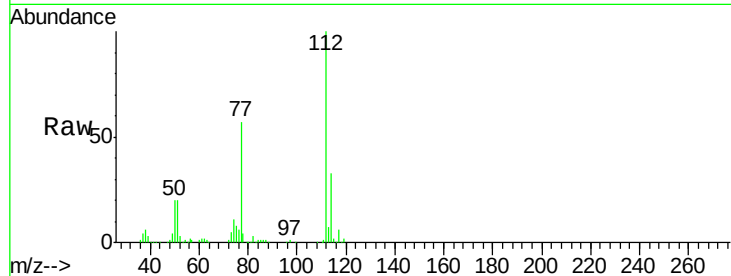




#65
Chlorobenzene
Concen: 21.700 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

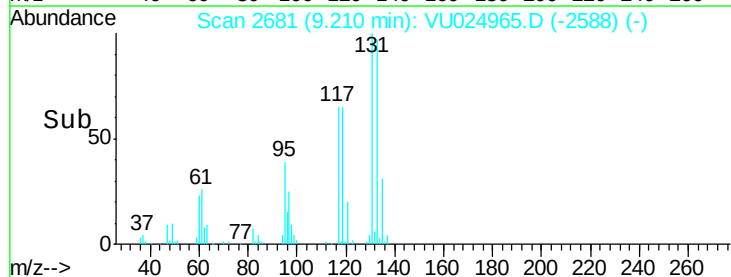
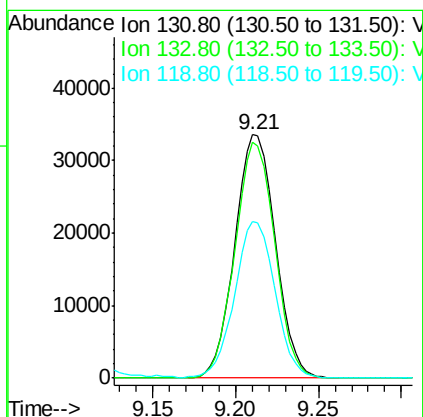
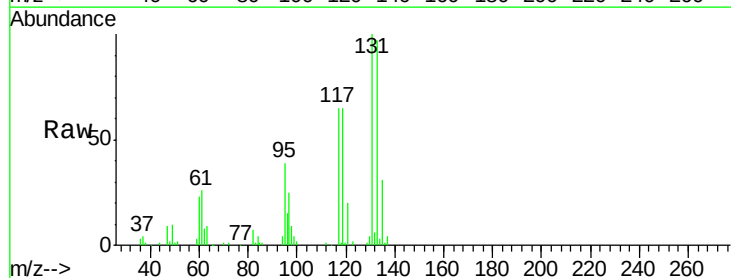
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

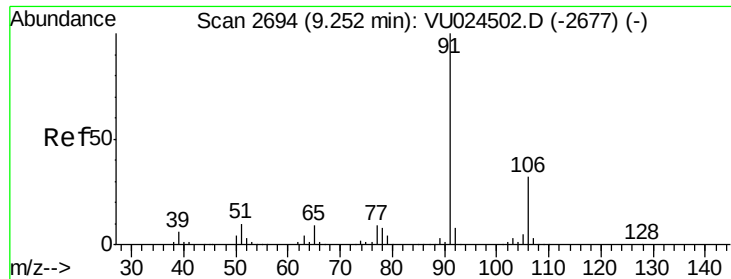
Tgt Ion:112 Resp: 150323
Ion Ratio Lower Upper
112 100
114 33.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.789 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion:131 Resp: 57345
Ion Ratio Lower Upper
131 100
133 94.9 46.9 140.8
119 63.8 33.5 100.4

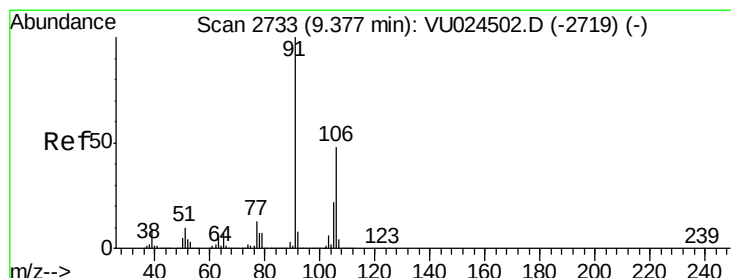
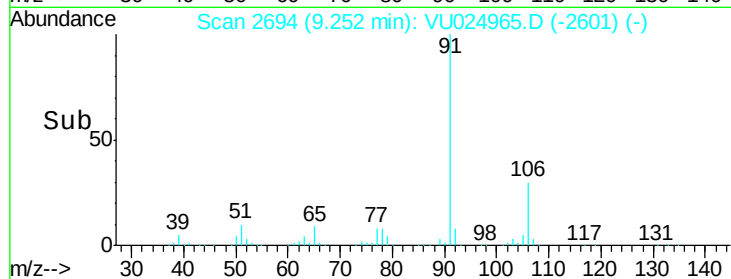
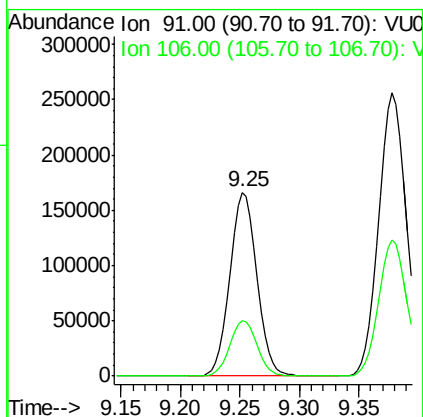
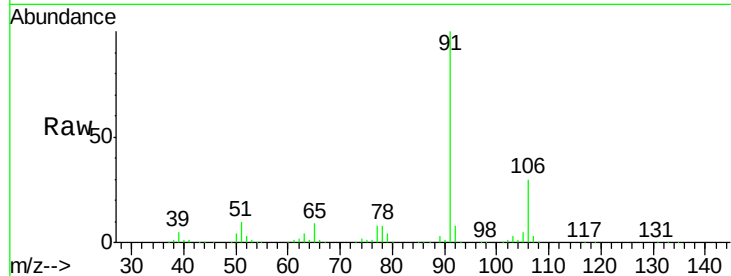




#67
Ethyl Benzene
 Concen: 21.633 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

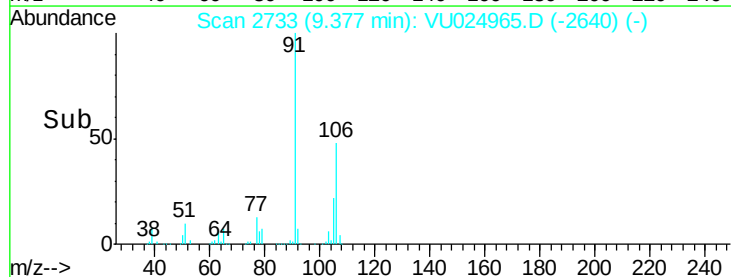
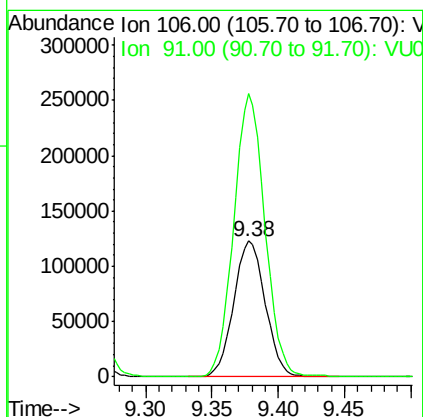
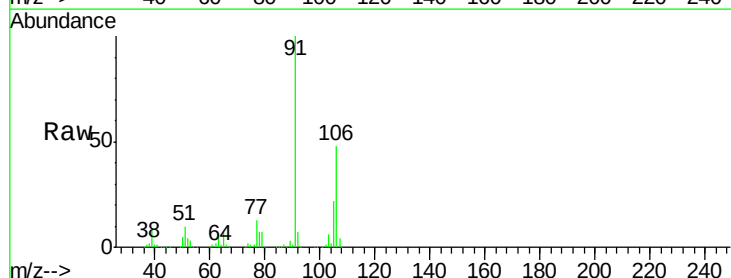
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

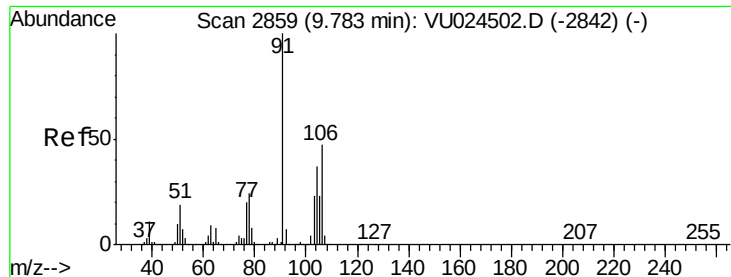
Tgt Ion: 91 Resp: 262717
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.2 36.4



#68
m/p-Xylenes
 Concen: 43.619 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion: 106 Resp: 203414
 Ion Ratio Lower Upper
 106 100
 91 205.1 166.5 249.7

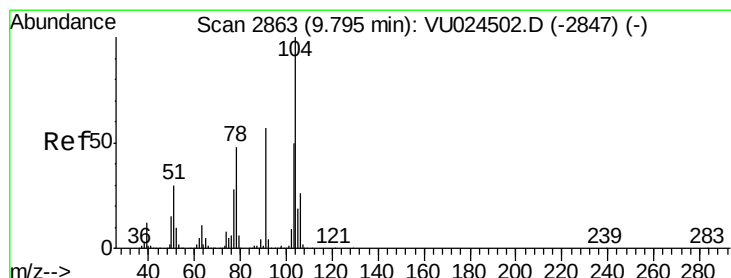
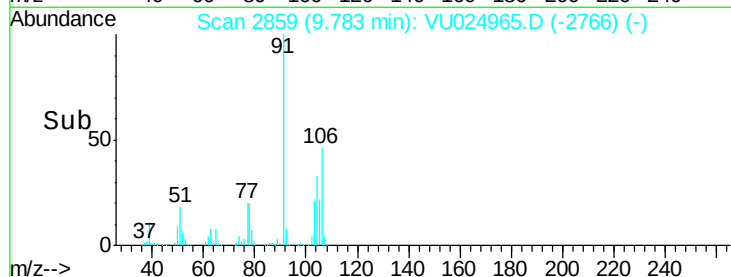
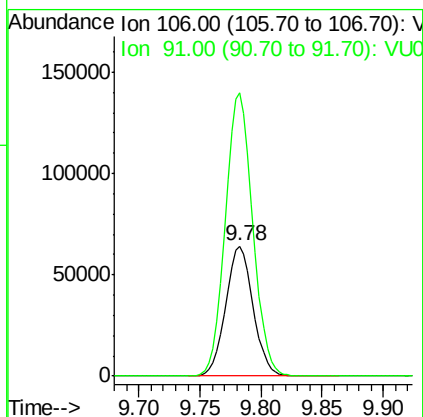
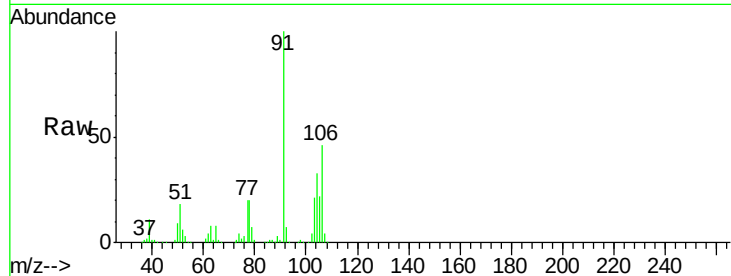




#69
o-Xylene
Concen: 21.901 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

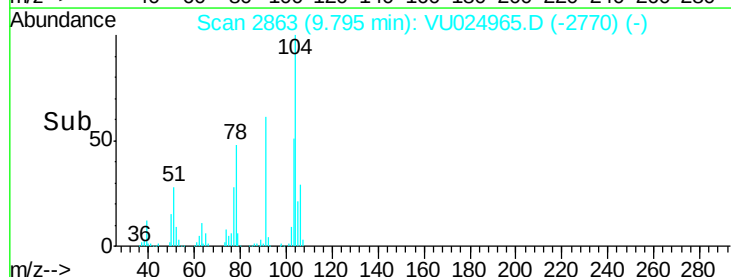
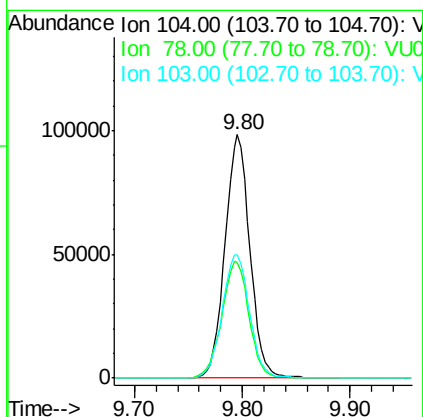
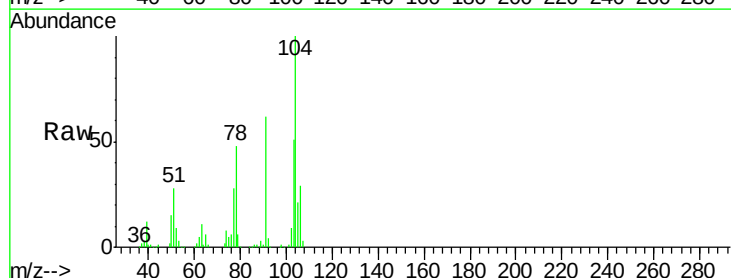
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

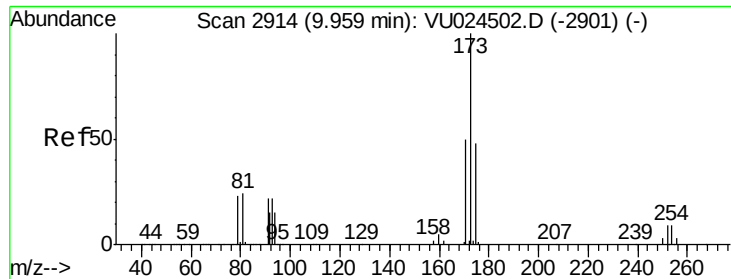
Tgt Ion:106 Resp: 101078
Ion Ratio Lower Upper
106 100
91 217.9 110.7 331.9



#70
Styrene
Concen: 20.884 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024965.D
Acq: 27 Jun 2018 14:39

Tgt Ion:104 Resp: 158388
Ion Ratio Lower Upper
104 100
78 52.2 40.6 60.8
103 55.5 44.7 67.1





#71

Bromoform

Concen: 18.735 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

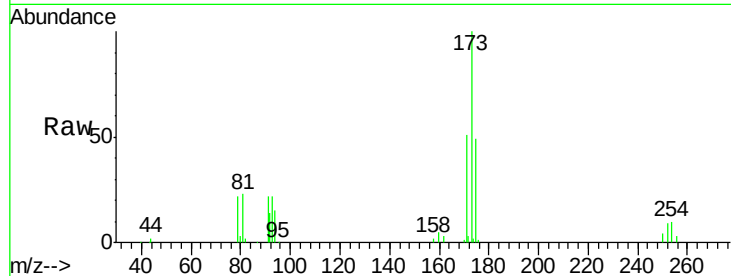
Tgt Ion:173 Resp: 46866

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

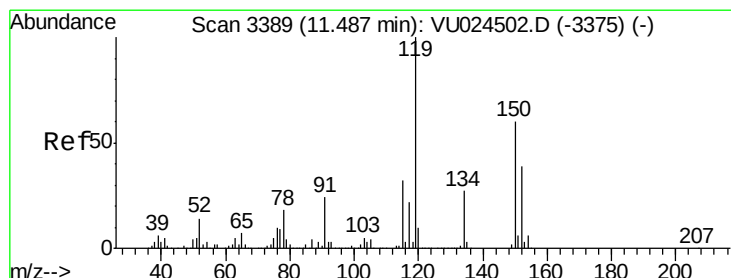
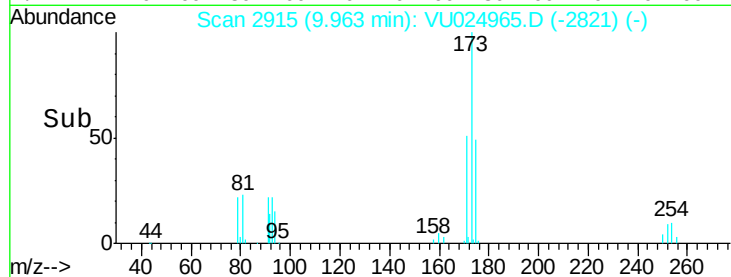
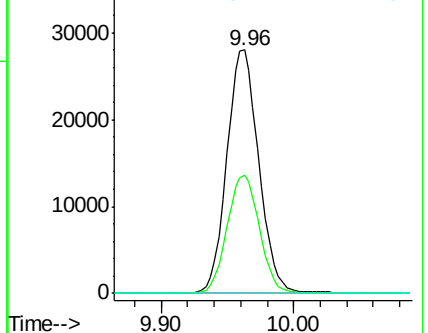
254 0.0 0.0 0.0



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: VU024965.D

Acq: 27 Jun 2018 14:39

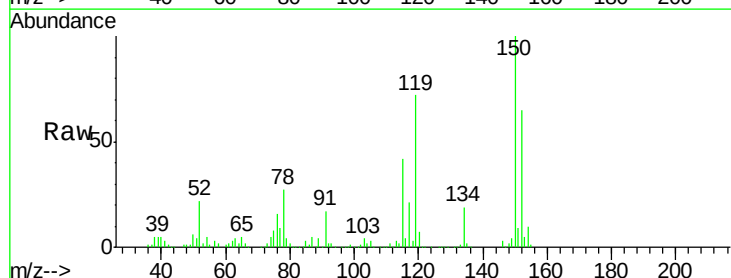
Tgt Ion:152 Resp: 158678

Ion Ratio Lower Upper

152 100

115 69.0 43.0 129.0

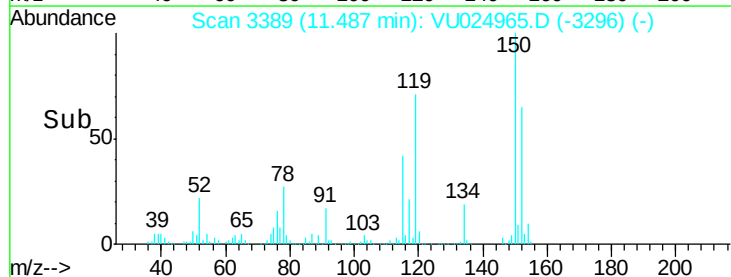
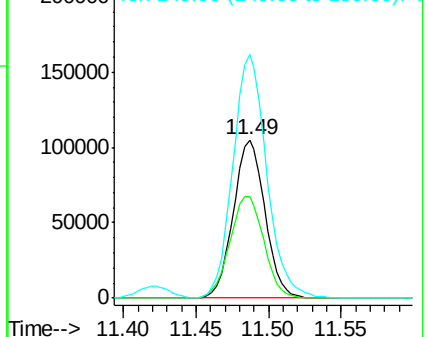
150 164.9 0.0 354.0

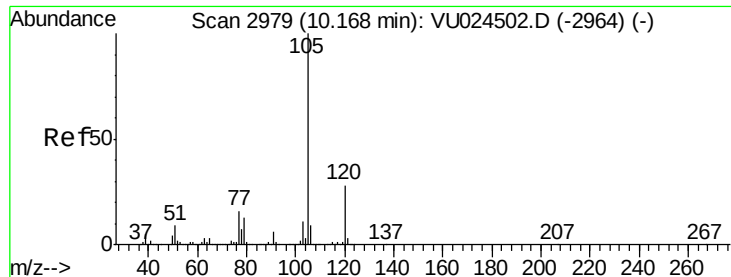


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.286 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

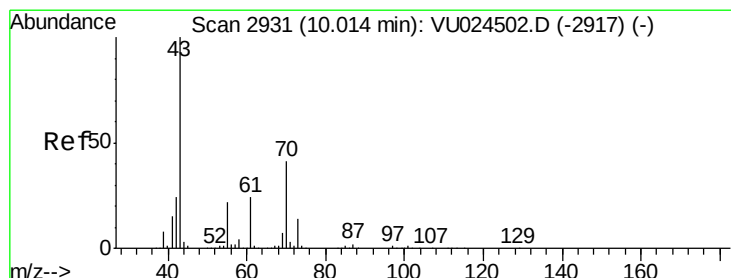
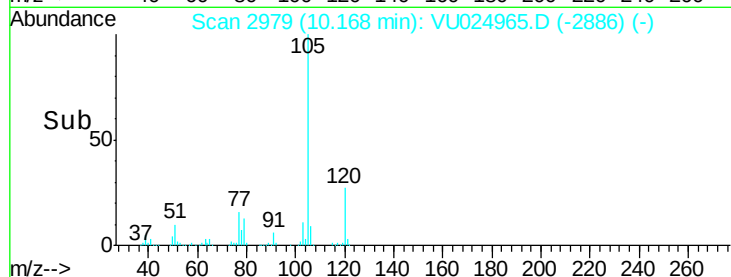
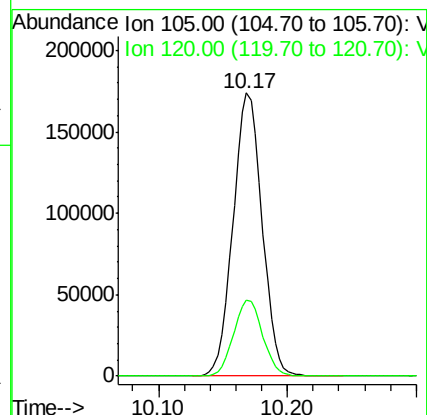
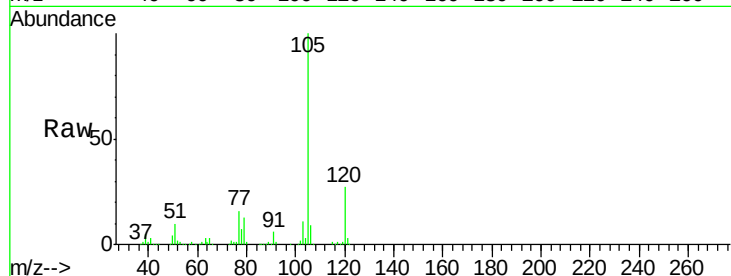
VU0627MBSD03

Tgt Ion: 105 Resp: 271499

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 19.267 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Tgt Ion: 43 Resp: 111646

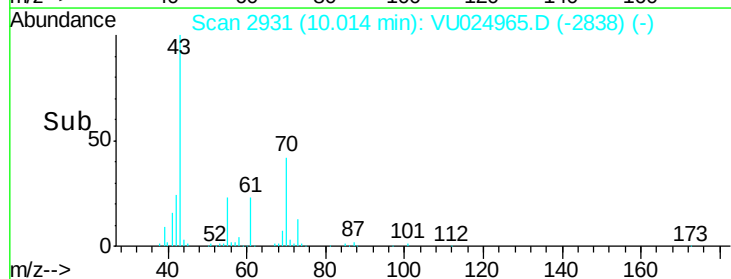
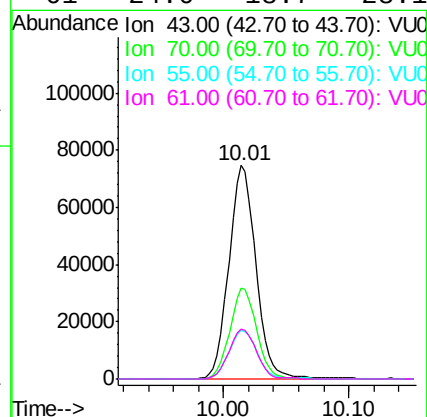
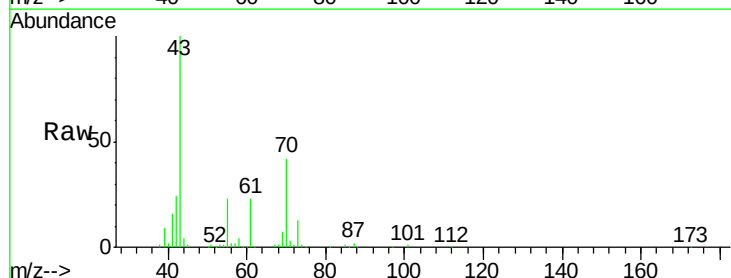
Ion Ratio Lower Upper

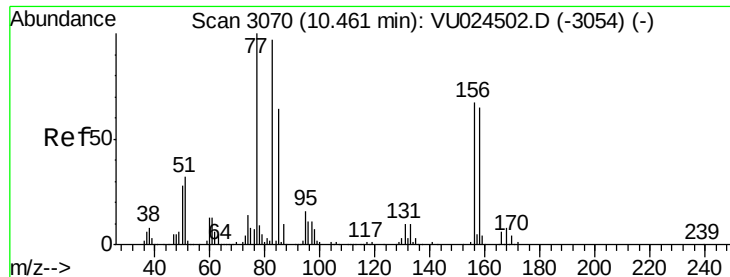
43 100

70 42.3 32.2 48.4

55 23.8 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.512 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

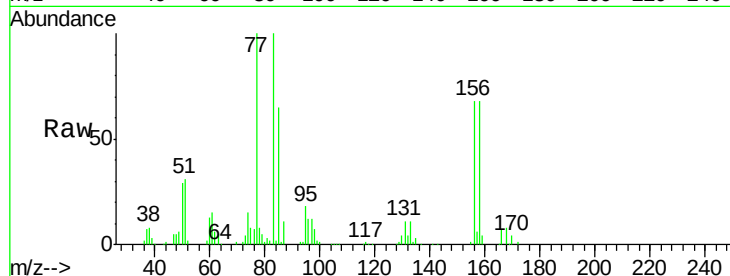
Tgt Ion: 83 Resp: 87823

Ion Ratio Lower Upper

83 100

131 11.2 4.7 14.1

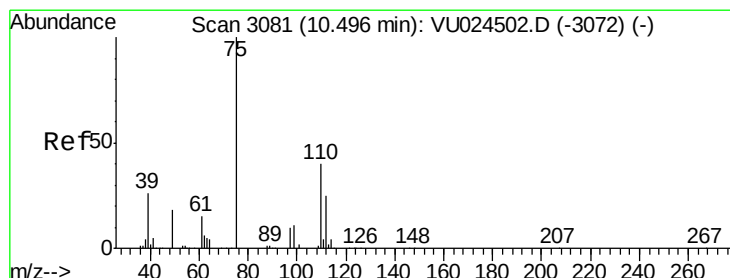
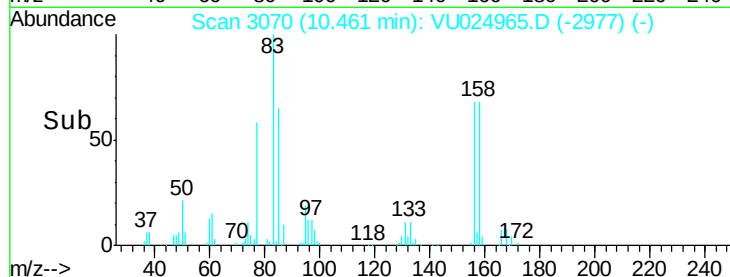
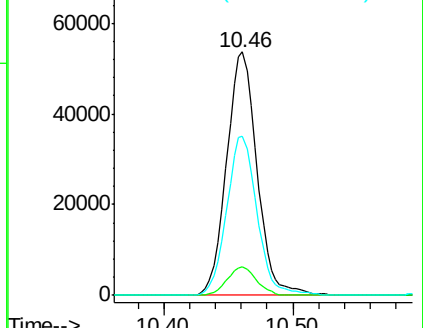
85 65.4 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 29.841 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024965.D

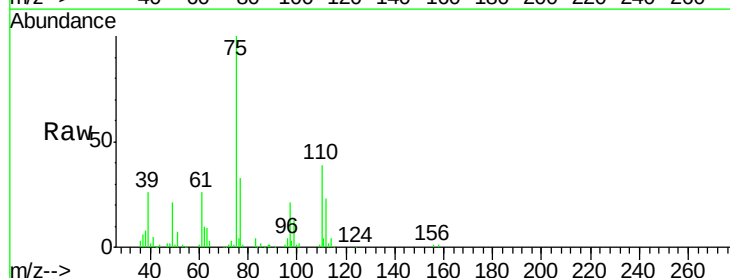
Acq: 27 Jun 2018 14:39

Tgt Ion: 75 Resp: 104250

Ion Ratio Lower Upper

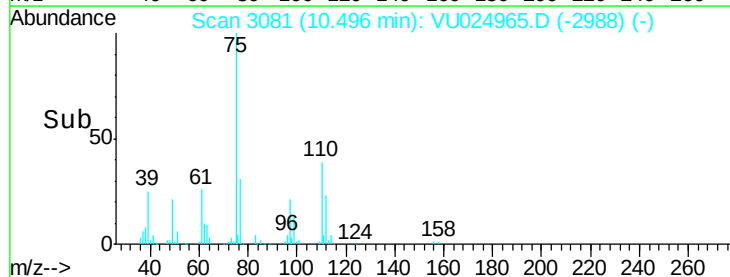
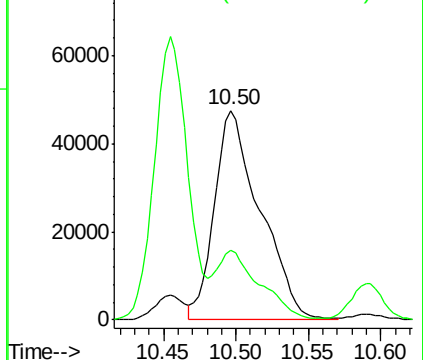
75 100

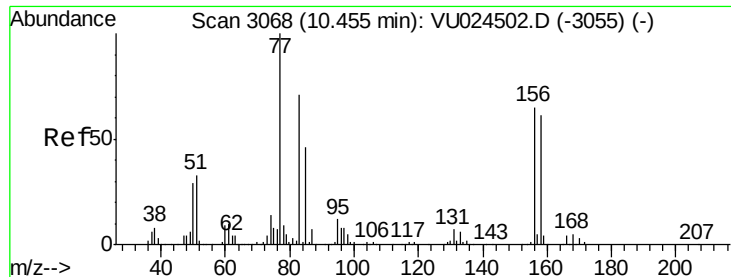
77 30.2 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.835 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

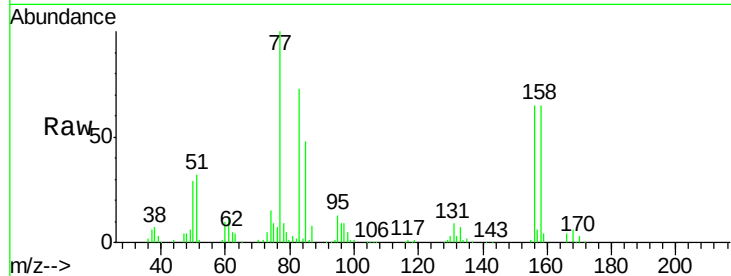
Tgt Ion:156 Resp: 67342

Ion Ratio Lower Upper

156 100

77 152.7 80.5 241.3

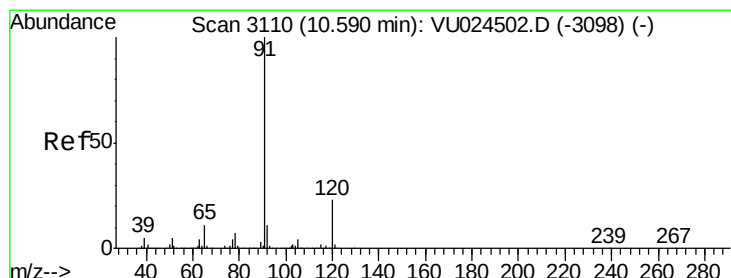
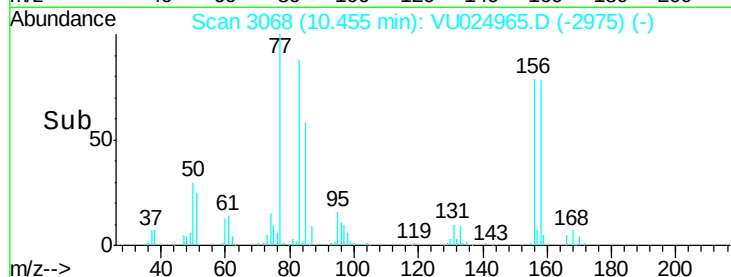
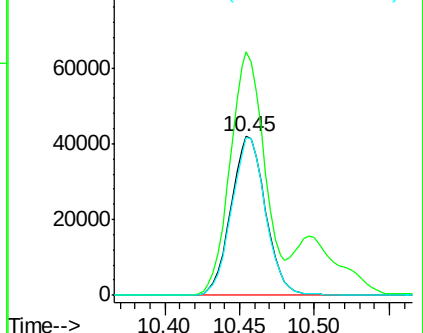
158 97.5 48.2 144.6



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: 21.259 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024965.D

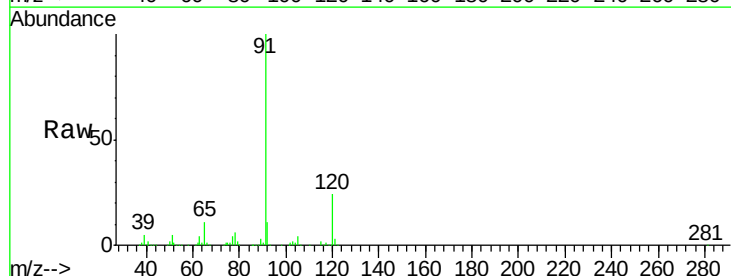
Acq: 27 Jun 2018 14:39

Tgt Ion: 91 Resp: 305095

Ion Ratio Lower Upper

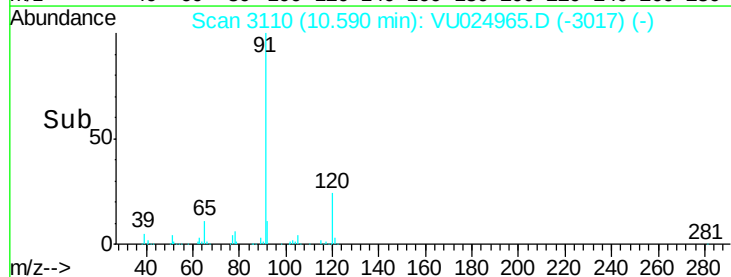
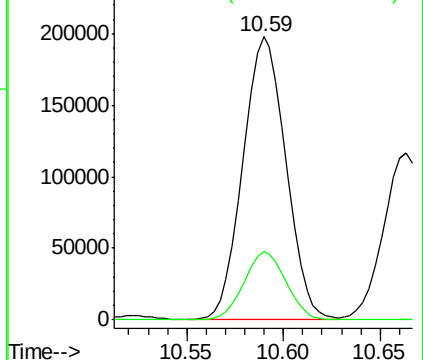
91 100

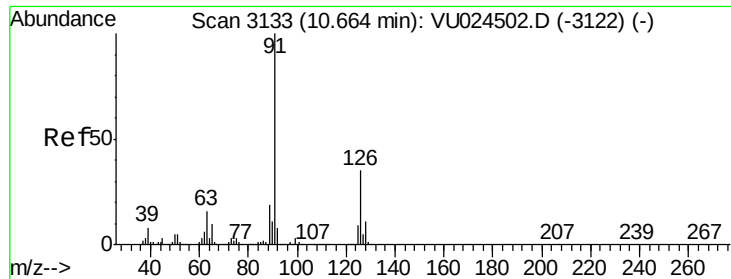
120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.913 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

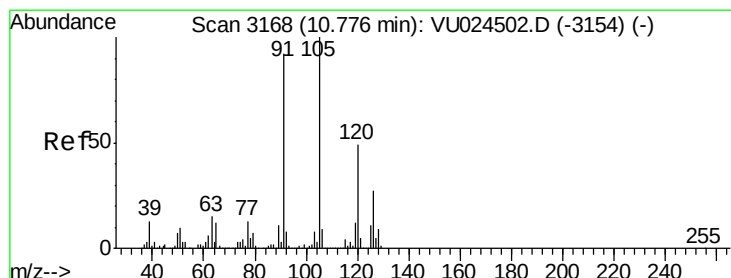
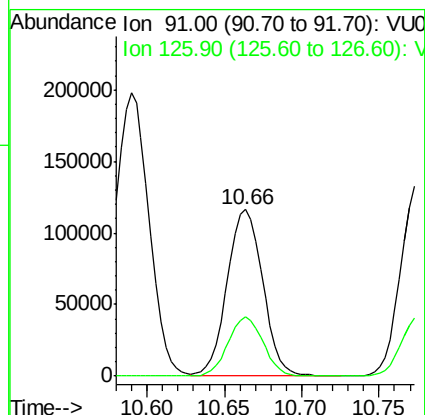
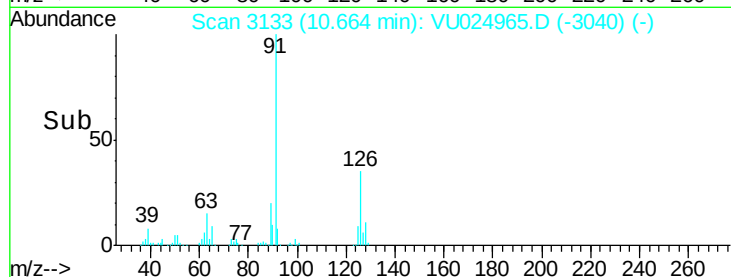
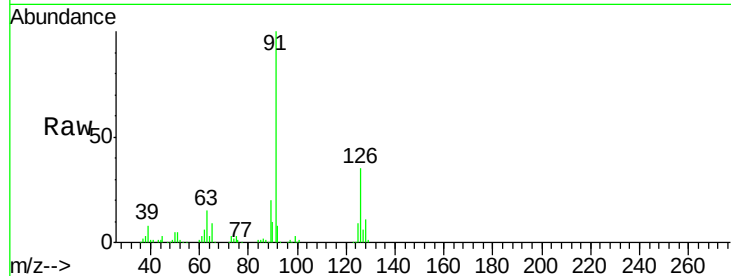
VU0627MBSD03

Tgt Ion: 91 Resp: 185448

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.971 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024965.D

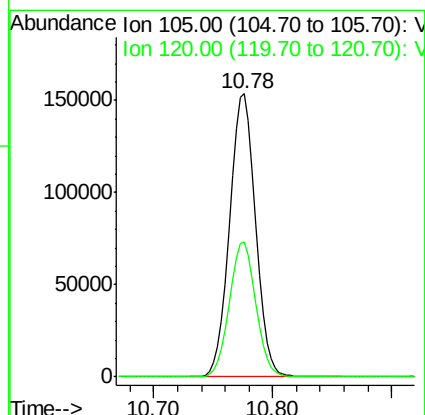
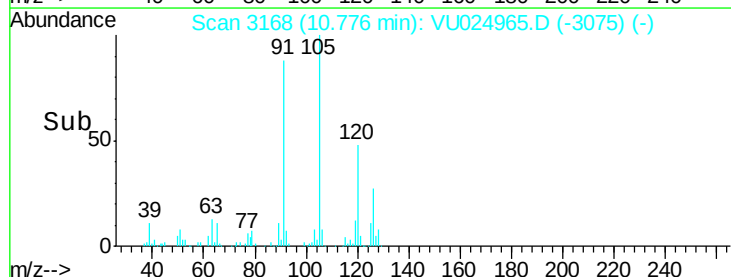
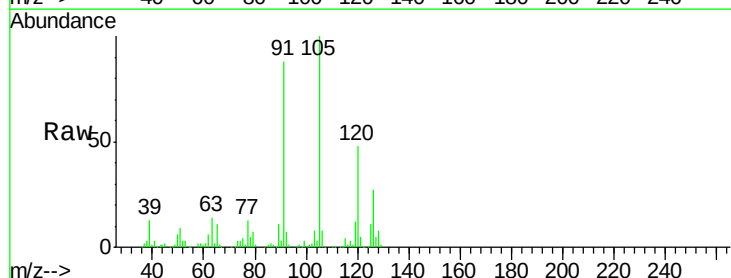
Acq: 27 Jun 2018 14:39

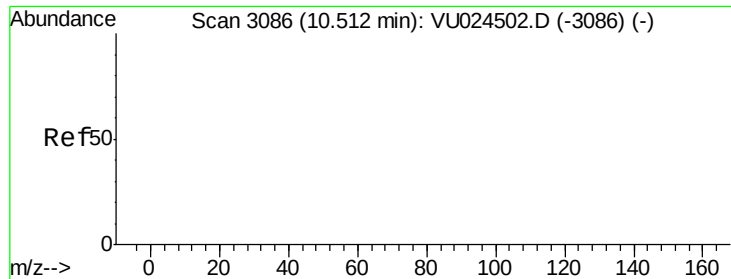
Tgt Ion: 105 Resp: 232000

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.065 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

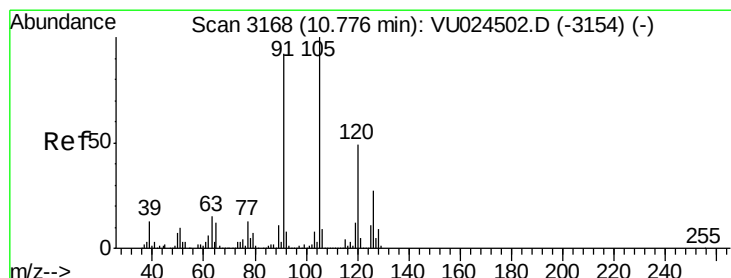
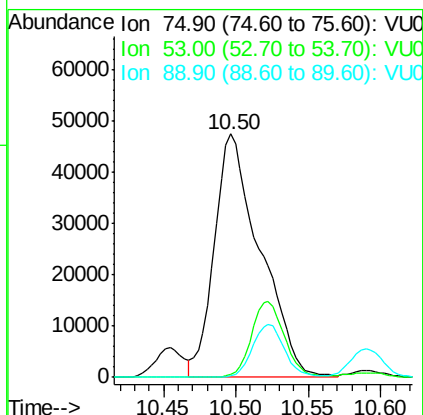
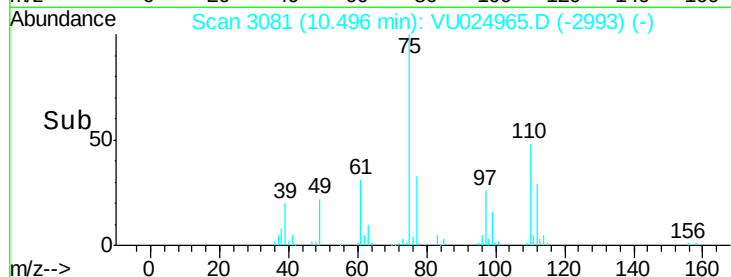
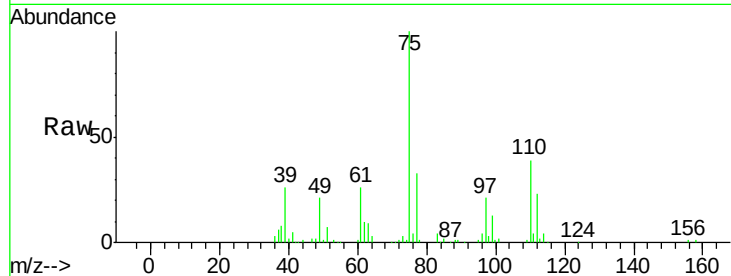
Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD03

Tgt Ion: 75 Resp: 104250

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



#82

4-Chlorotoluene

Concen: 21.262 ug/l

RT: 10.78 min Scan# 3168

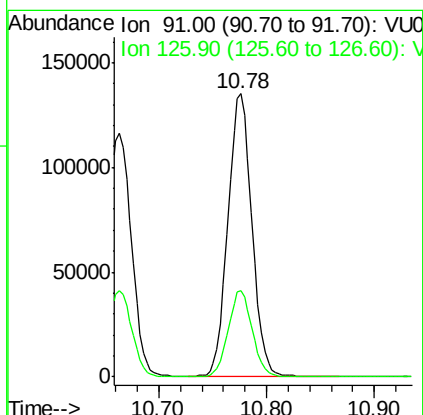
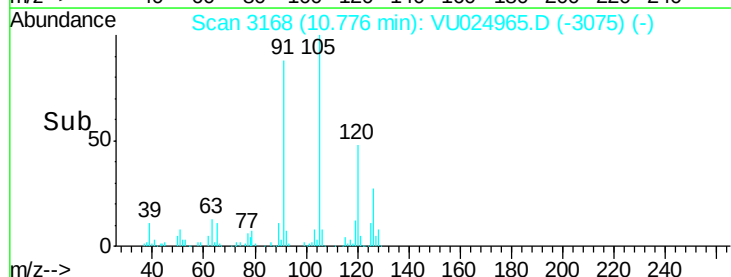
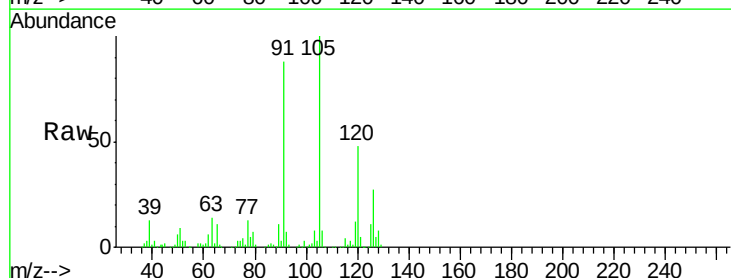
Delta R.T. -0.00 min

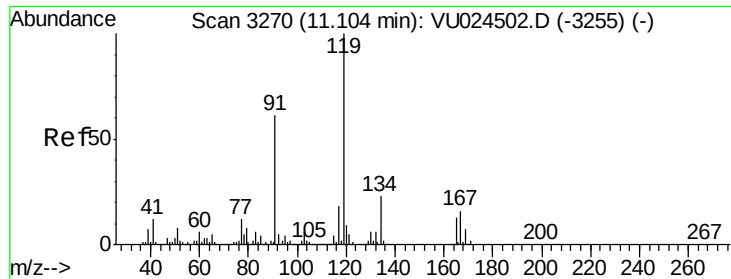
Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Tgt Ion: 91 Resp: 209434

Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.9	44.9

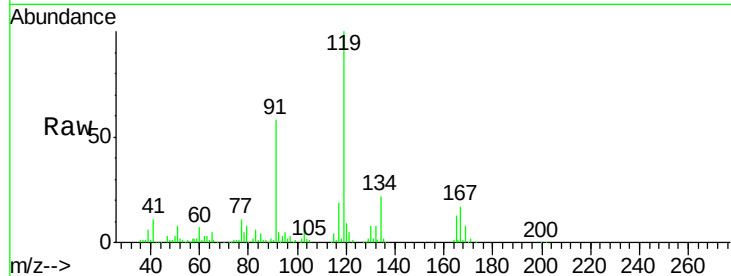




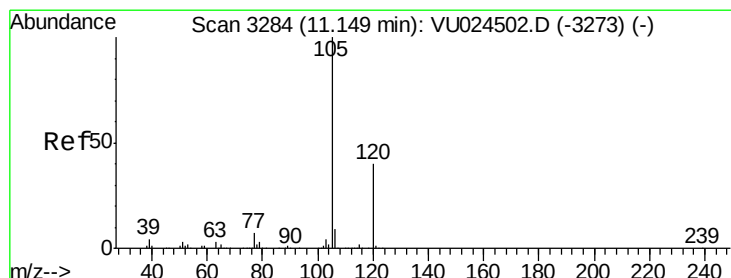
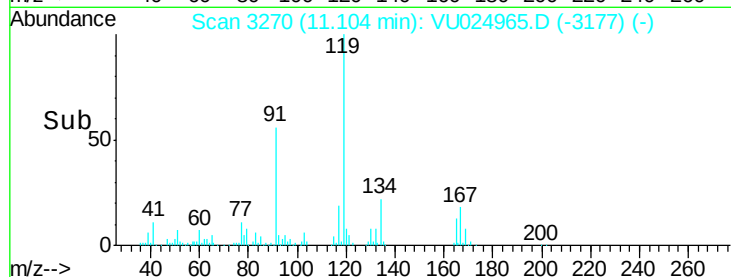
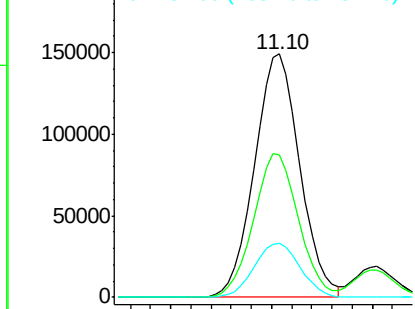
#83
 tert-Butylbenzene
 Concen: 22.955 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.7	89.1
134	22.7	11.6	34.7

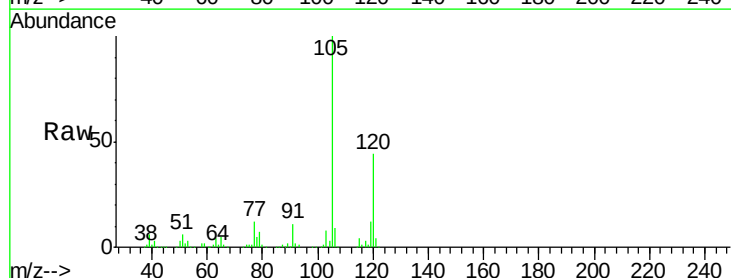


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

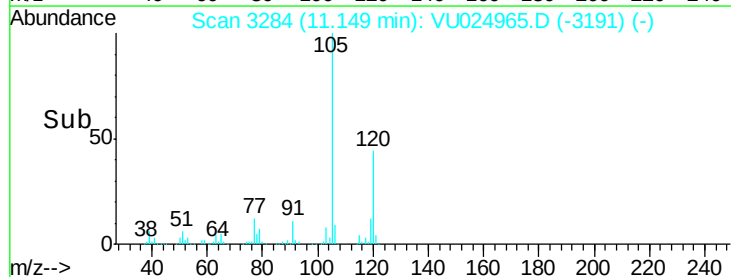
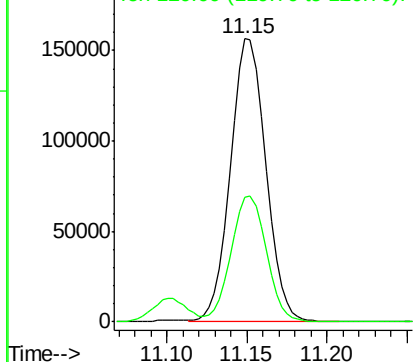


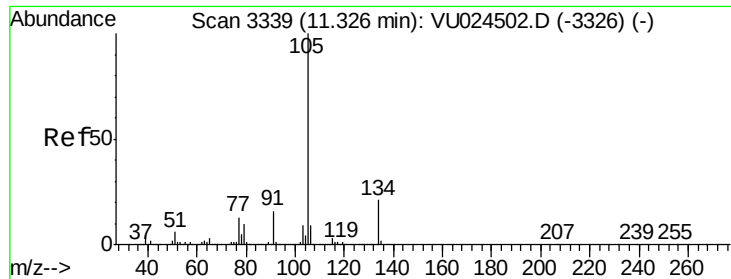
#84
 1,2,4-Trimethylbenzene
 Concen: 21.770 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.689 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

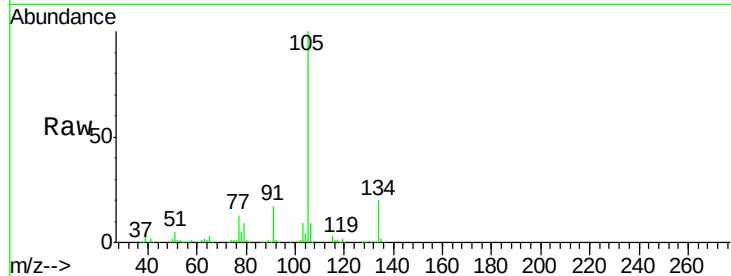
VU0627MBSD03

Tgt Ion:105 Resp: 275756

Ion Ratio Lower Upper

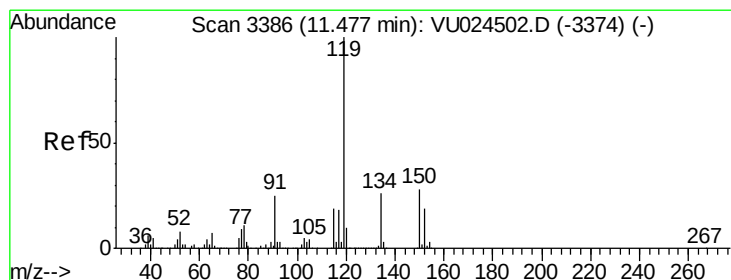
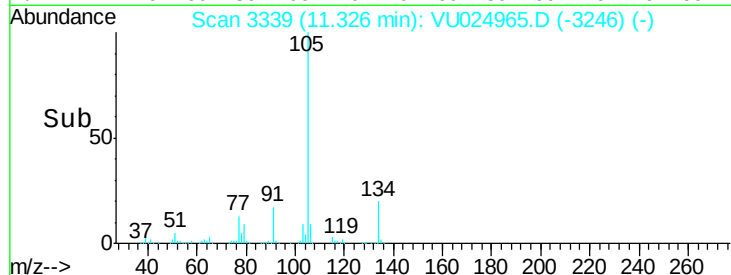
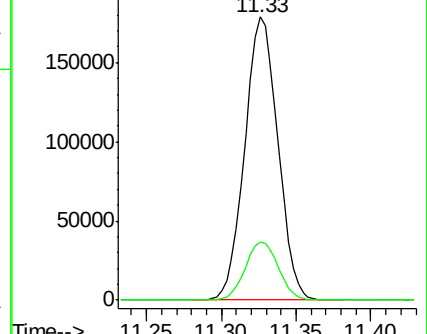
105 100

134 20.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.577 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

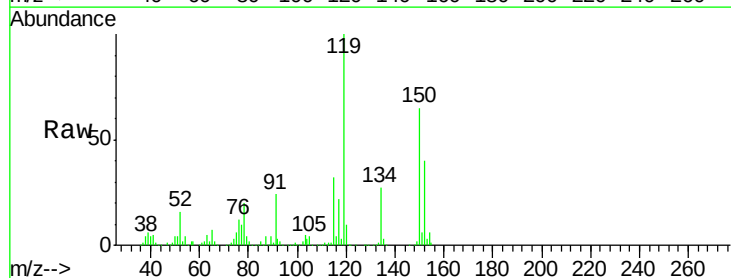
Tgt Ion:119 Resp: 245692

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

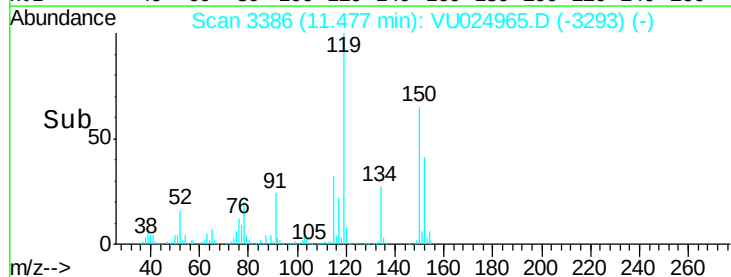
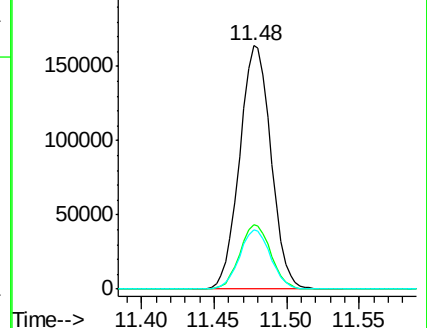
91 24.3 12.0 36.1

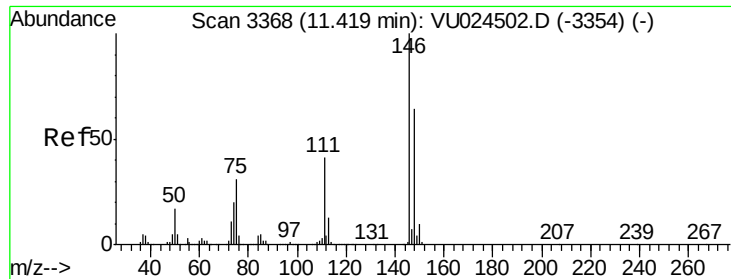


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

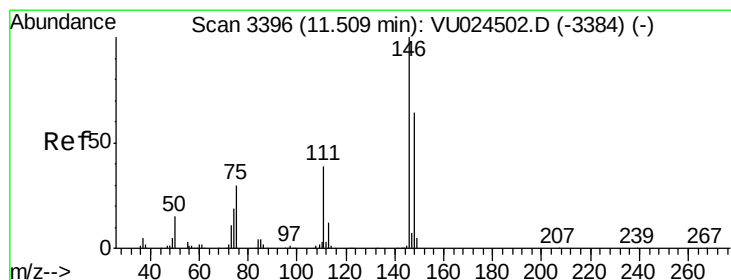
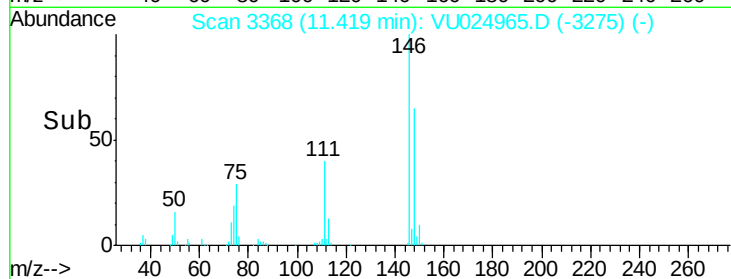
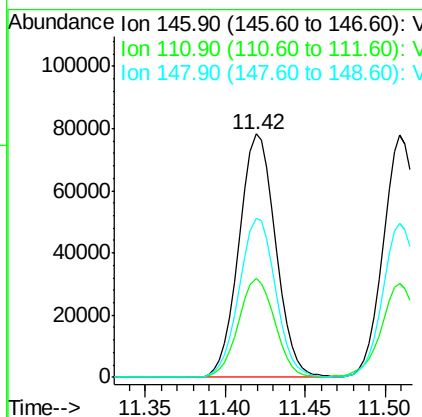
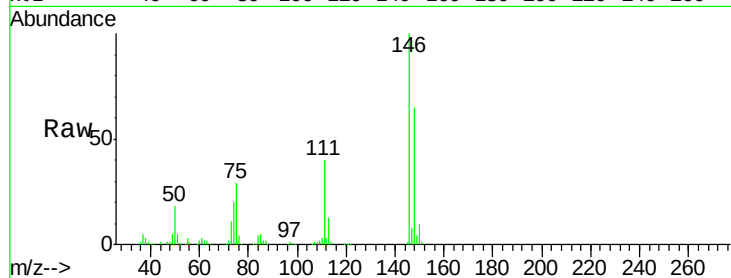




#87
 1,3-Dichlorobenzene
 Concen: 21.434 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

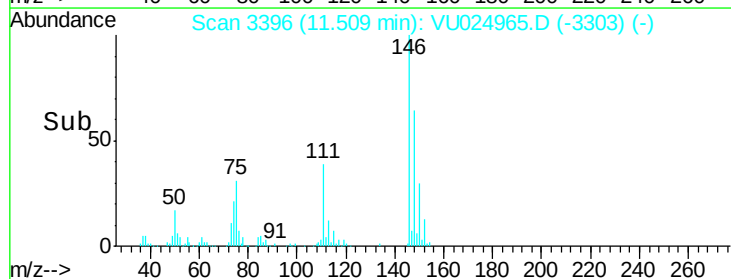
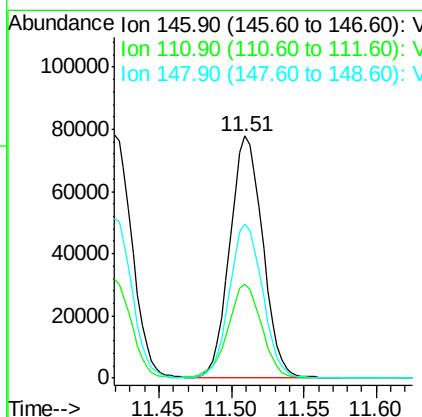
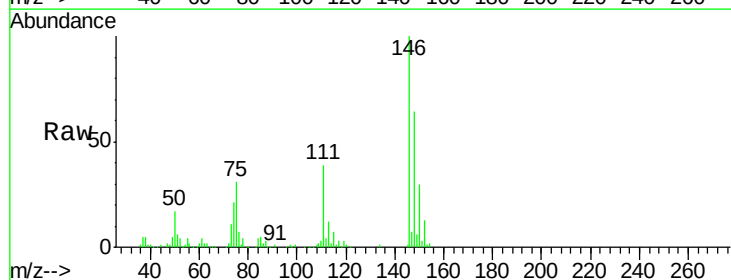
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

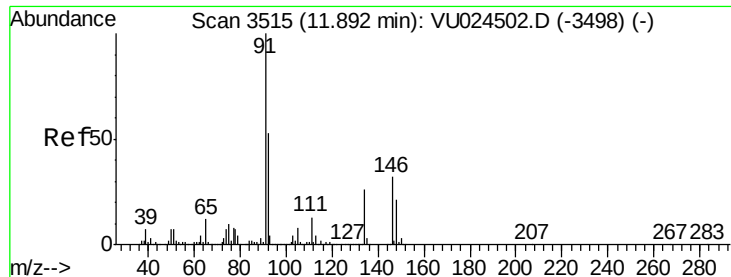
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.451 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 19.448 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

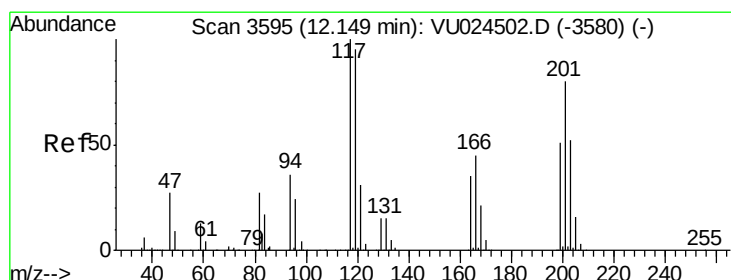
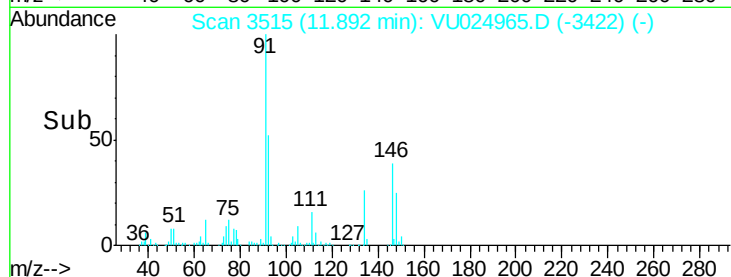
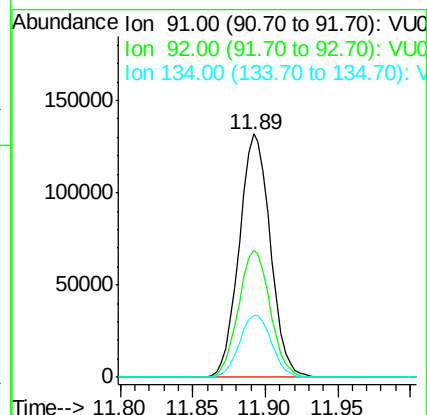
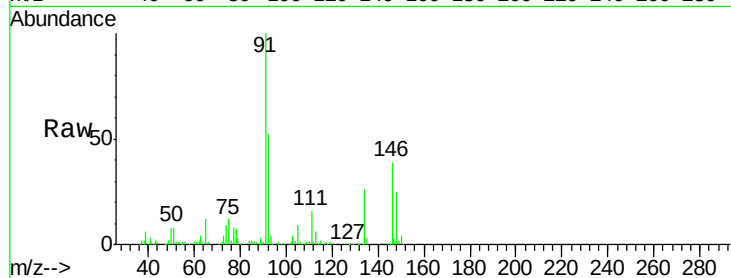
Tgt Ion: 91 Resp: 196605

Ion Ratio Lower Upper

91 100

92 53.1 25.6 76.8

134 26.2 12.3 36.8



#90

Hexachloroethane

Concen: 19.060 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024965.D

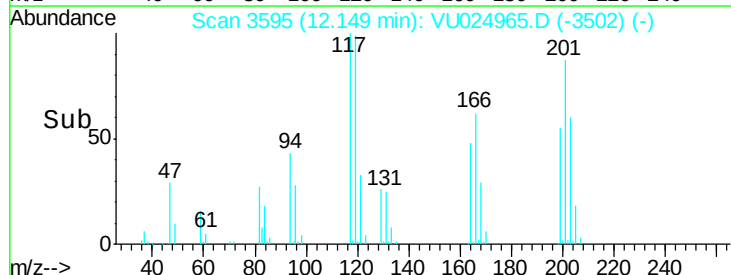
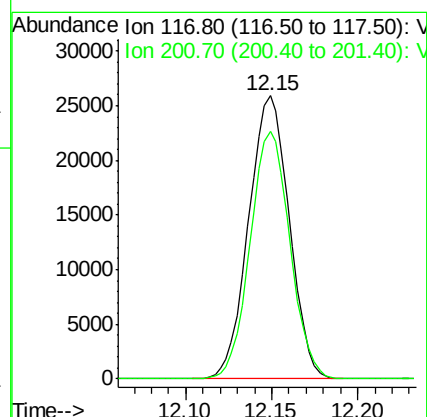
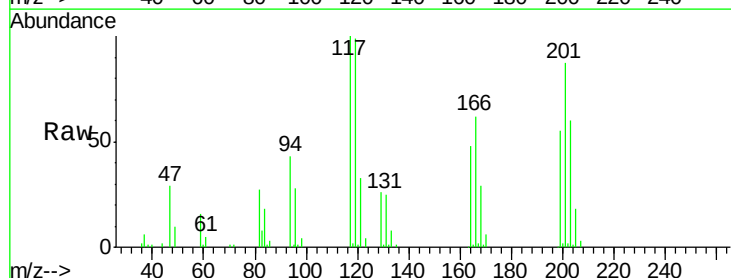
Acq: 27 Jun 2018 14:39

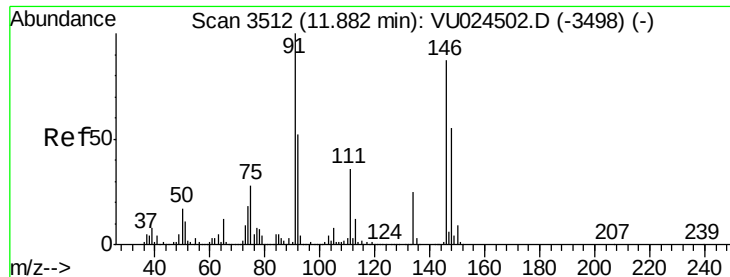
Tgt Ion: 117 Resp: 42339

Ion Ratio Lower Upper

117 100

201 85.5 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 22.061 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

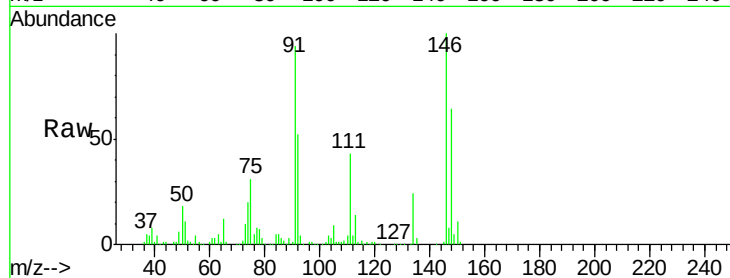
Instrument :

MSVOA_U

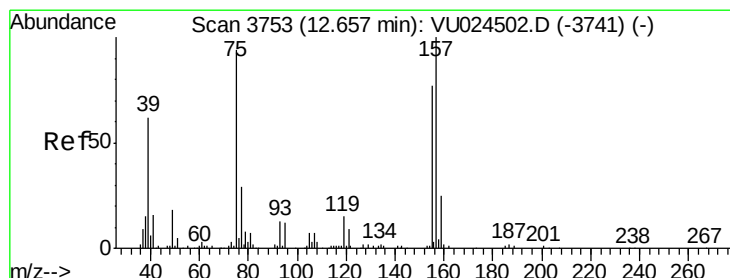
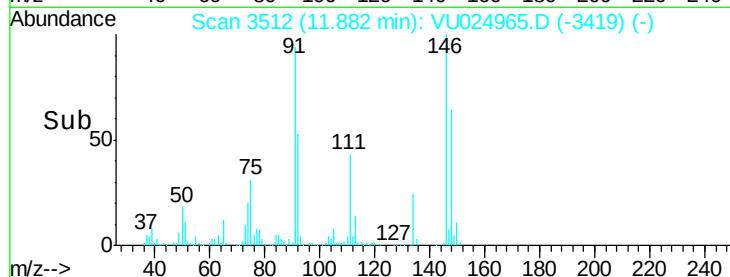
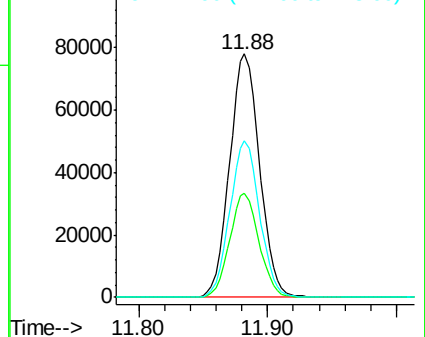
ClientSampleId :

VU0627MBSD03

Tgt Ion:	146	Resp:	125907
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.6	31.9	95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.094 ug/l

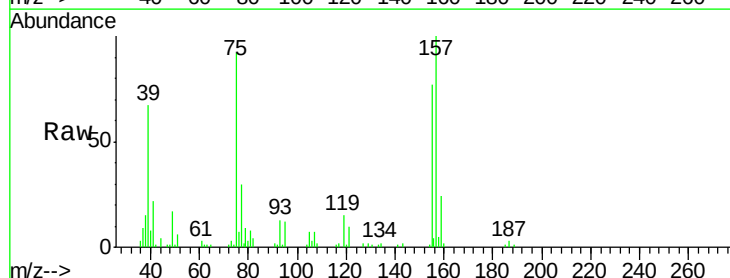
RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

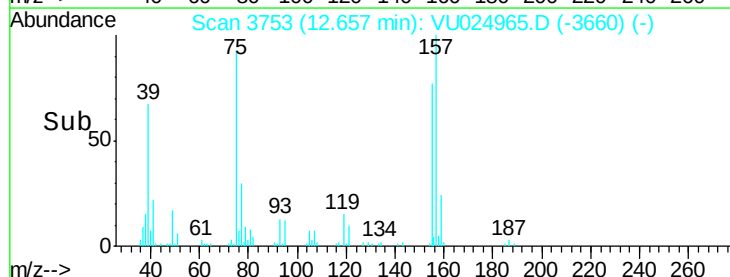
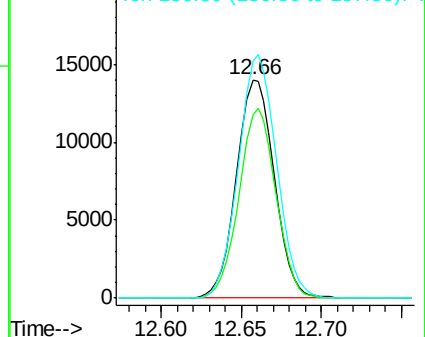
Lab File: VU024965.D

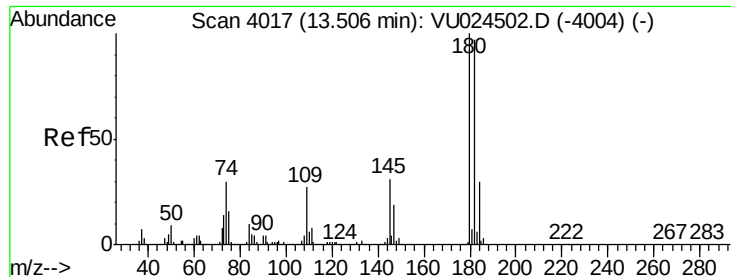
Acq: 27 Jun 2018 14:39

Tgt Ion:	75	Resp:	22635
Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.4	121.2
157	111.8	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

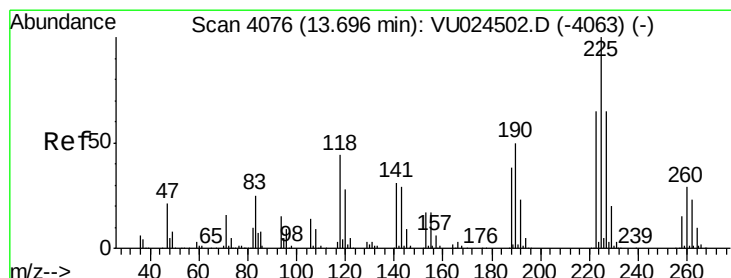
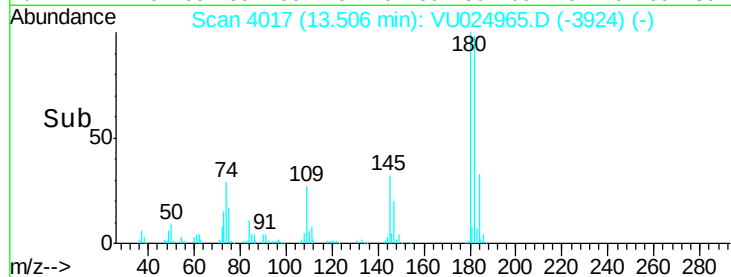
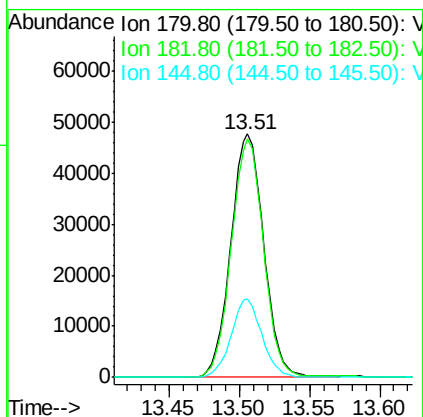
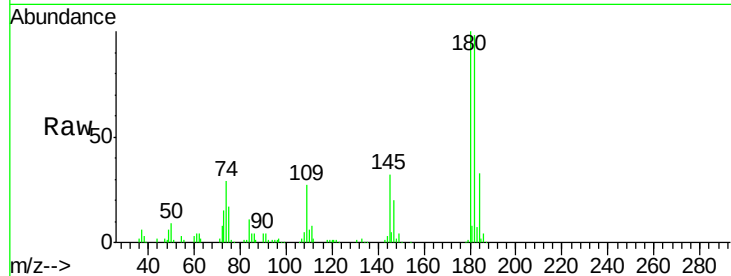




#93
 1,2,4-Trichlorobenzene
 Concen: 22.201 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

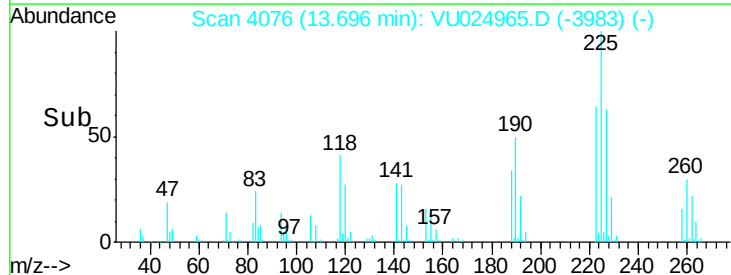
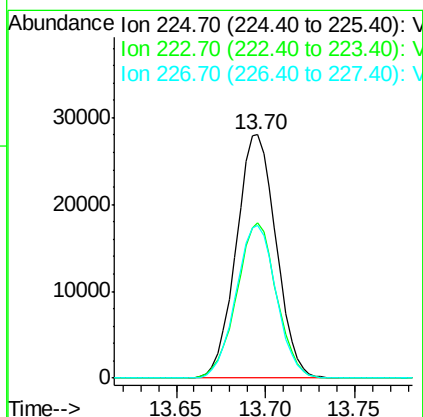
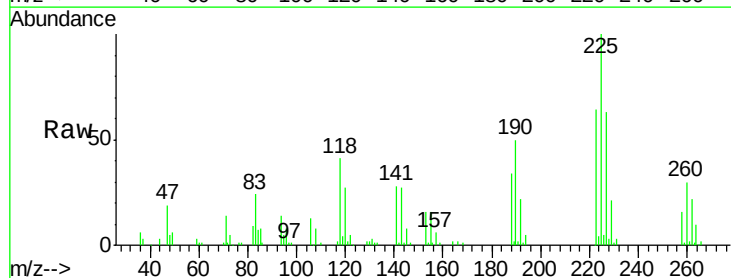
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD03

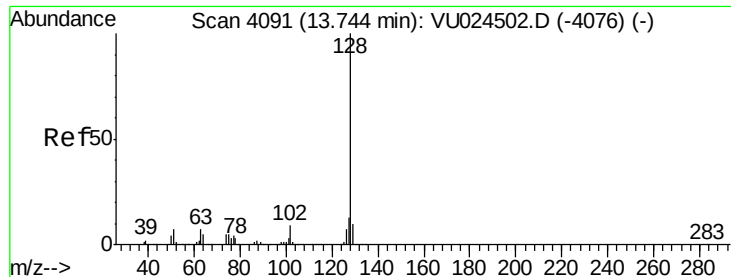
Tgt Ion:180 Resp: 78246
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 30.1 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.055 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024965.D
 Acq: 27 Jun 2018 14:39

Tgt Ion:225 Resp: 43752
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.3 93.8
 227 63.3 31.8 95.4





#95

Naphthalene

Concen: 22.404 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD03

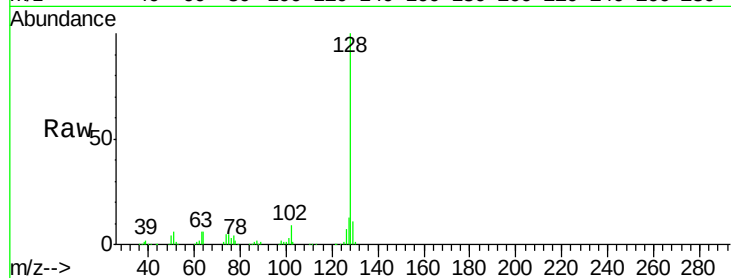
Tgt Ion:128 Resp: 256963

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

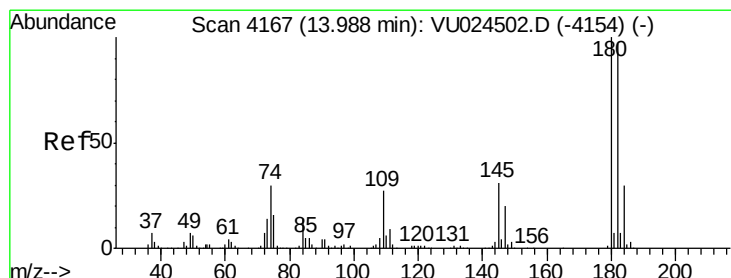
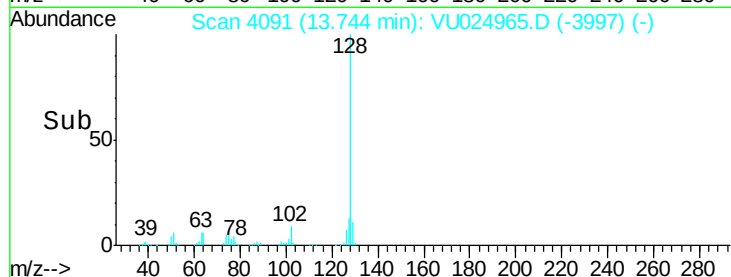
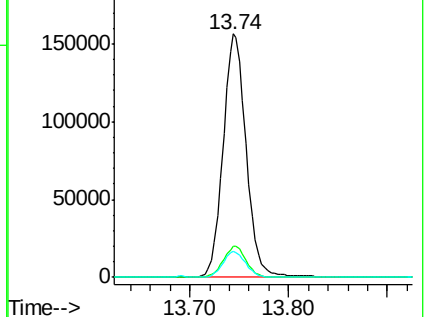
129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.839 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024965.D

Acq: 27 Jun 2018 14:39

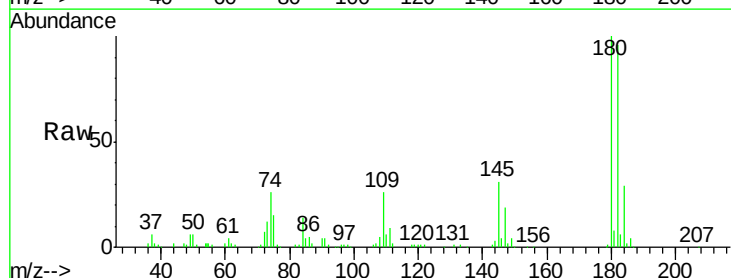
Tgt Ion:180 Resp: 83719

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 31.3 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

