

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004542.D
 Acq On : 14 Sep 2018 16:14
 Operator : JC/MD
 Sample : J4898-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF01-COMP-FILL

Quant Time: Sep 15 04:41:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225111	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	187763	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	5.50	113	167055	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	8.72	98	557810	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.14	95	212979	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	555	Below Cal		87
6) Chloroethane	1.73	64	1730	0.72	ug/l #	51
10) Methyl Iodide	2.51	142	365	4.35	ug/l #	75
11) Tert butyl alcohol	3.07	59	887	1.02	ug/l #	92
13) Acrolein	2.29	56	193	0.56	ug/l #	16
14) Allyl chloride	2.85	41	42244	6.96	ug/l #	28
15) Acrylonitrile	3.15	53	513	0.25	ug/l #	73
16) Acetone	2.45	43	30990	17.44	ug/l	95
17) Carbon Disulfide	2.57	76	8045	0.94	ug/l	98
18) Methyl Acetate	2.78	43	6193	1.24	ug/l	99
20) Methylene Chloride	2.85	84	969102	265.79	ug/l	97
25) 2-Butanone	4.70	43	7818	2.76	ug/l #	87
29) Tetrahydrofuran	5.17	42	1018	0.60	ug/l #	72
30) Chloroform	5.22	83	6266	1.04	ug/l	96
31) Cyclohexane	5.57	56	1764	0.33	ug/l	97
36) 1,1-Dichloropropene	5.67	75	18056	3.77	ug/l #	49
37) Ethyl Acetate	4.70	43	7818	1.43	ug/l #	67
38) Carbon Tetrachloride	5.67	117	24450	5.22	ug/l #	14
39) Methylcyclohexane	7.46	83	2927	0.59	ug/l	88
40) Benzene	6.14	78	3219725	226.37	ug/l	95
41) Methacrylonitrile	5.16	41	815	0.27	ug/l #	43
42) 1,2-Dichloroethane	6.15	62	24173	5.12	ug/l #	72
43) Isopropyl Acetate	6.46	43	174278	24.07	ug/l	98
47) Bromodichloromethane	7.90	83	1462	0.36	ug/l #	87
48) Methyl methacrylate	7.69	41	6069	1.69	ug/l #	21
51) 4-Methyl-2-Pentanone	8.62	43	2382	0.47	ug/l #	34
52) Toluene	8.79	92	4160363	496.46	ug/l	98
53) t-1,3-Dichloropropene	8.79	75	46304	9.69	ug/l #	1
54) cis-1,3-Dichloropropene	8.62	75	1073	0.22	ug/l #	67
55) 1,1,2-Trichloroethane	9.08	97	69225	19.19	ug/l #	19
56) Ethyl methacrylate	9.08	69	4438	0.87	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.57	63	20	7.28	ug/l #	45
59) 2-Hexanone	9.55	43	10477	2.67	ug/l #	56
65) Chlorobenzene	10.14	112	2192	0.24	ug/l	99

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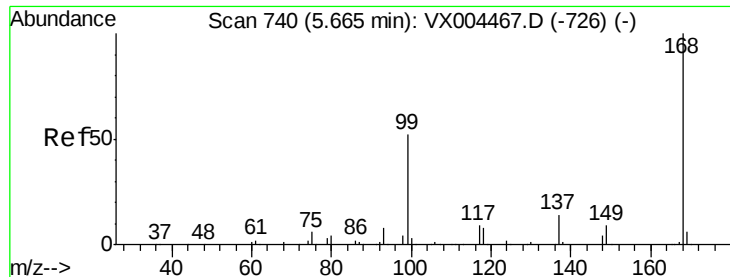
Instrument :
 MSVOA_X
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	10.26	91	2763612	182.90	ug/l	99
68) m/p-Xylenes	10.36	106	3097367	532.15	ug/l	98
69) o-Xylene	10.70	106	1359702	242.99	ug/l	100
70) Styrene	10.71	104	186977	20.17	ug/l #	1
73) Isopropylbenzene	11.02	105	235483	15.88	ug/l	100
76) 1,2,3-Trichloropropane	11.44	75	6803	1.50	ug/l #	1
78) n-propylbenzene	11.36	91	36790	2.16	ug/l #	51
79) 2-Chlorotoluene	11.43	91	101274	9.80	ug/l #	50
80) 1,3,5-Trimethylbenzene	11.51	105	833645	66.89	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	99738	70.19	ug/l #	10
82) 4-Chlorotoluene	11.51	91	81333	6.74	ug/l #	44
83) tert-Butylbenzene	11.81	119	275006	23.18	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.81	105	2155069	169.36	ug/l	100
85) sec-Butylbenzene	11.81	105	2155069	142.53	ug/l #	55
86) p-Isopropyltoluene	12.07	119	51668	3.87	ug/l	92
89) n-Butylbenzene	12.38	91	22000	1.81	ug/l #	1
90) Hexachloroethane	12.48	117	1863414	871.75	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	115391	113.01	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

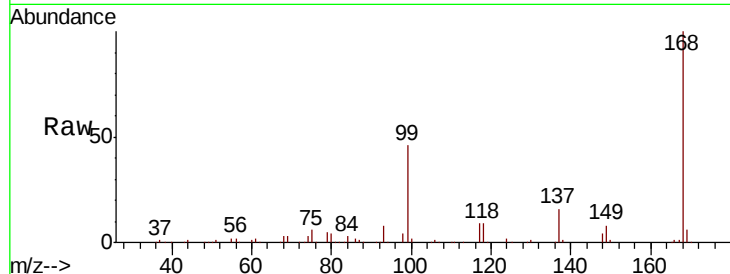
ROLLOFF01-COMP-FILL

Tot Ion:168 Resp: 282430

Ion Ratio Lower Upper

168 100

99 46.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

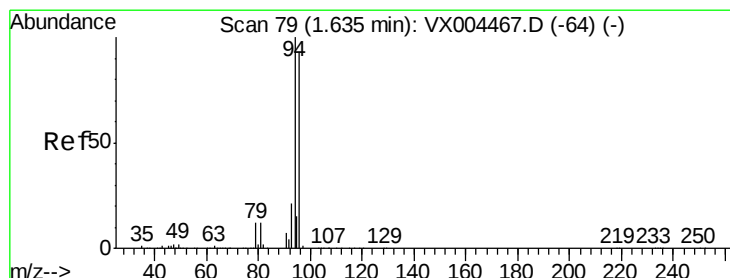
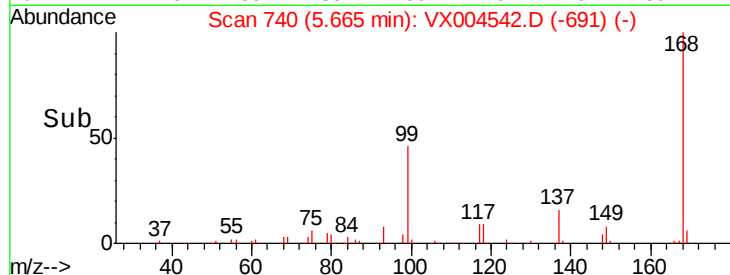
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004542.D

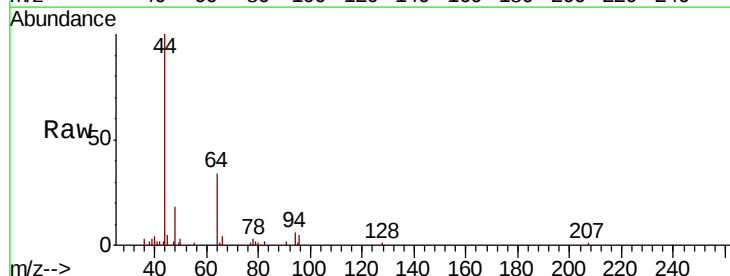
Acq: 14 Sep 2018 16:14

Tgt Ion: 94 Resp: 555

Ion Ratio Lower Upper

94 100

96 81.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

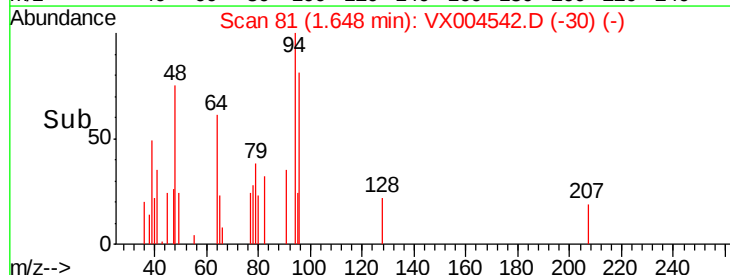
150

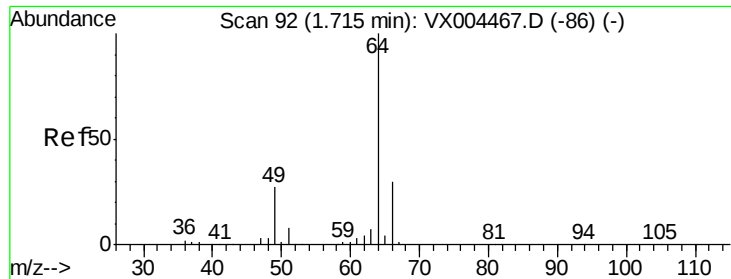
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.72 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

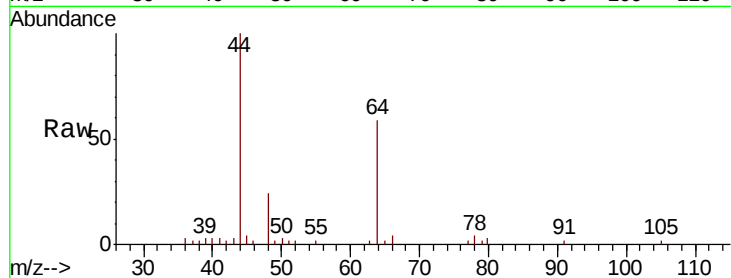
ROLLOFF01-COMP-FILL

Tot Ion: 64 Resp: 1730

Ion Ratio Lower Upper

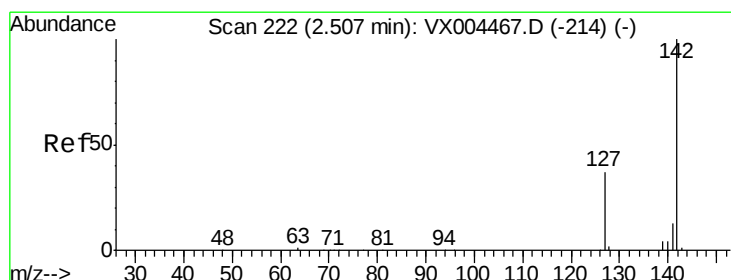
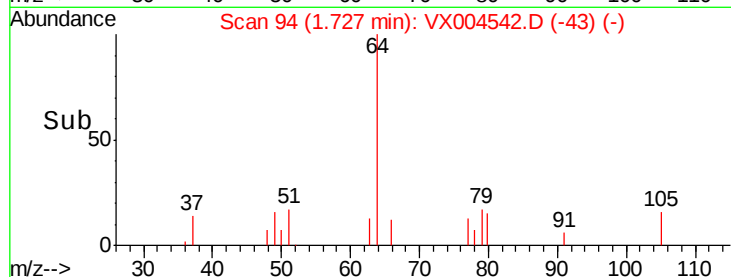
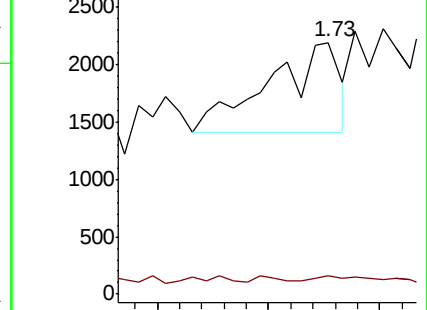
64 100

66 3.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.35 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

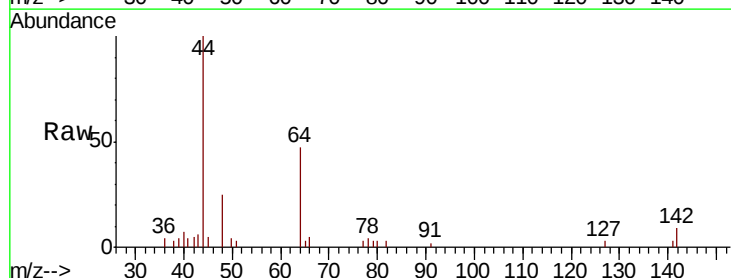
Tgt Ion: 142 Resp: 365

Ion Ratio Lower Upper

142 100

127 25.2 33.8 50.6#

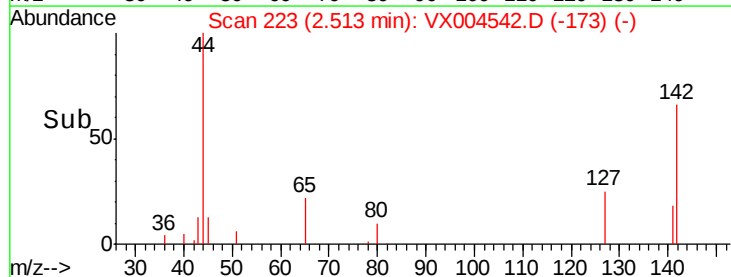
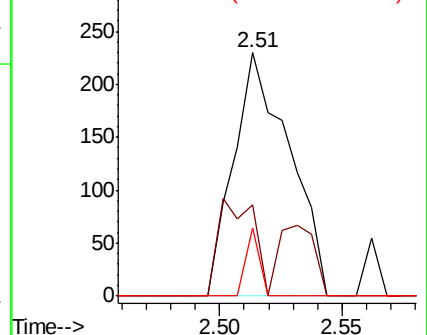
141 6.3 11.4 17.0#

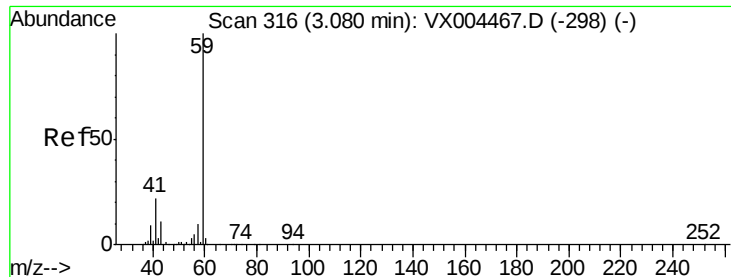


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

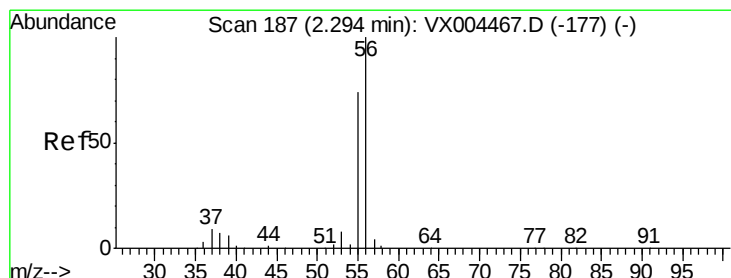
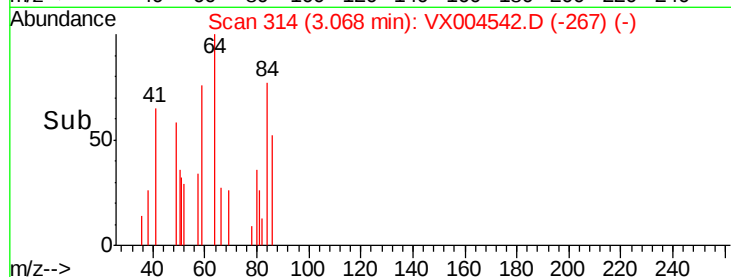
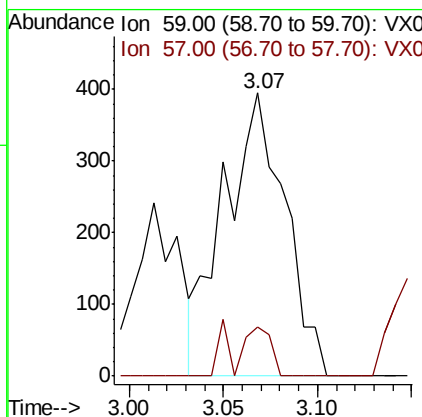
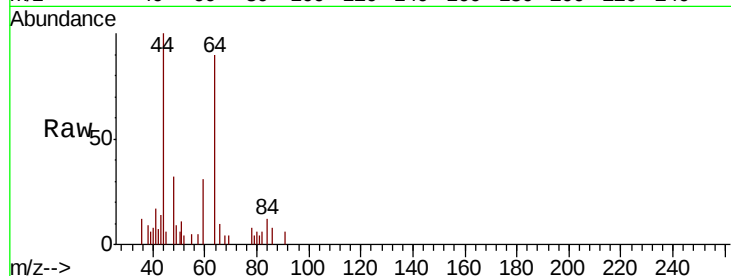




#11
Tert butvl alcohol
Concen: 1.02 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

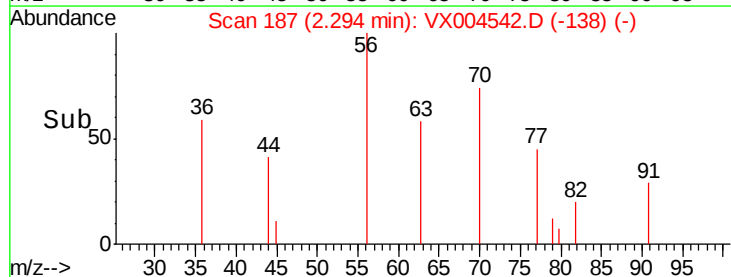
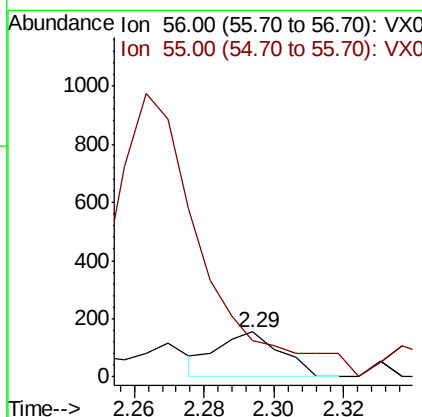
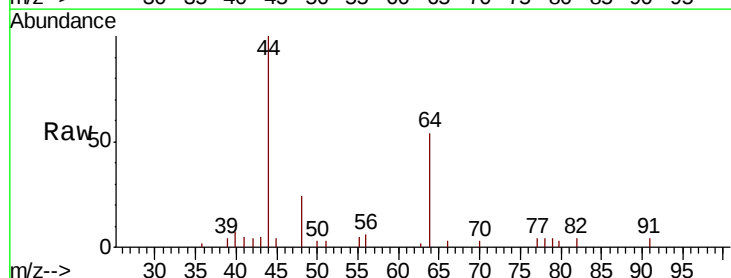
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

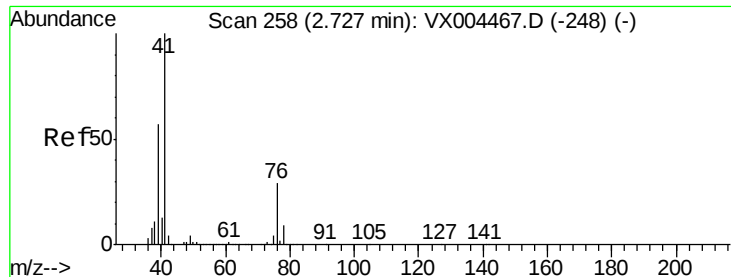
Tot Ion: 59 Resp: 887
Ion Ratio Lower Upper
59 100
57 7.4 8.2 12.4#



#13
Acrolein
Concen: 0.56 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#14

Allvl chloride

Concen: 6.96 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.13 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

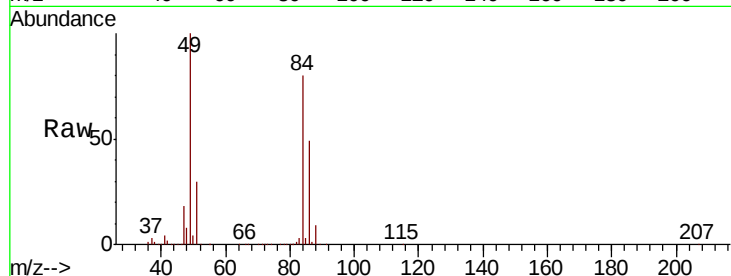
Tot Ion: 41 Resp: 42244

Ion Ratio Lower Upper

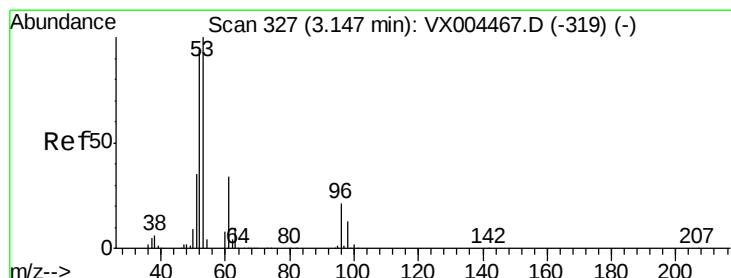
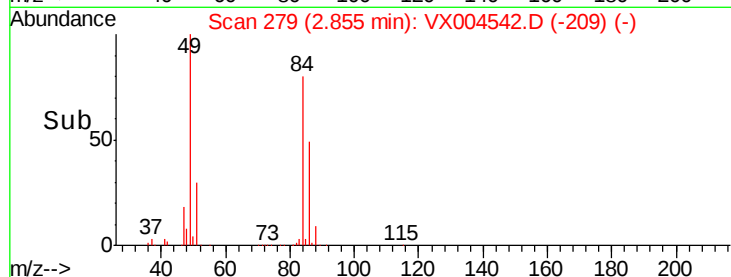
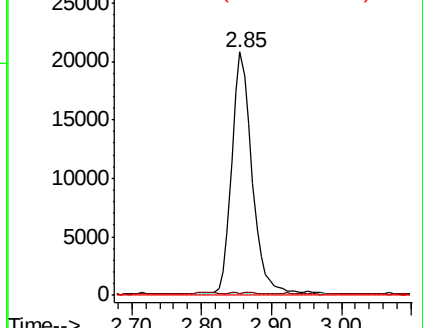
41 100

39 0.2 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

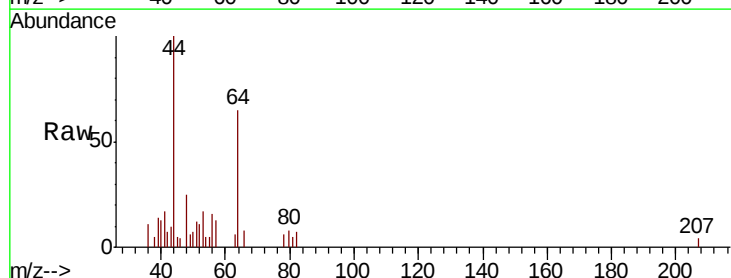
Tgt Ion: 53 Resp: 513

Ion Ratio Lower Upper

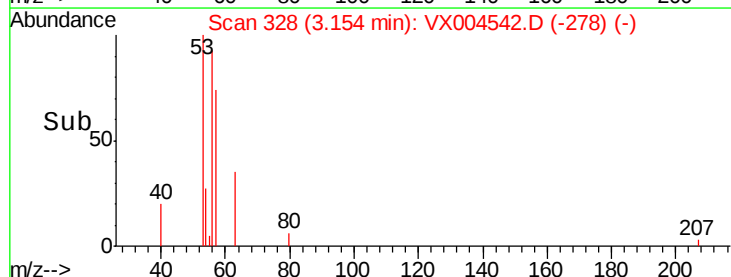
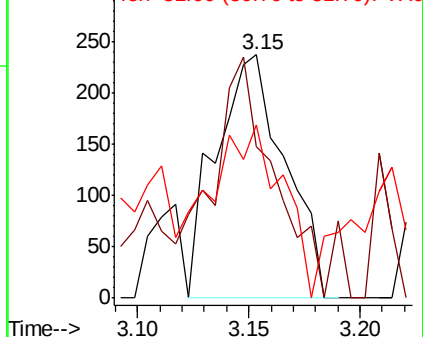
53 100

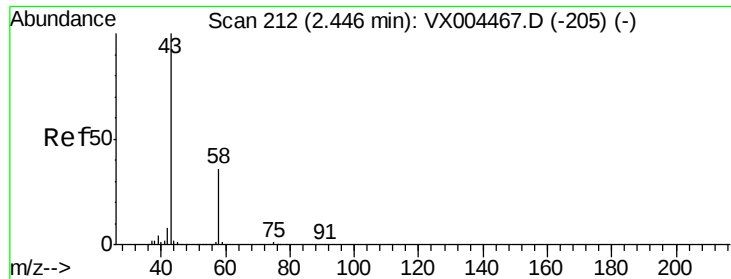
52 93.0 65.2 97.8

51 0.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 17.44 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

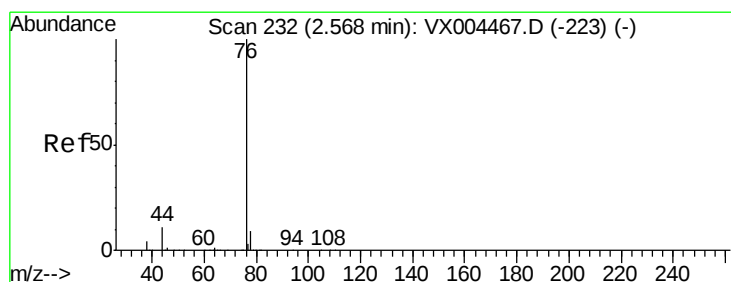
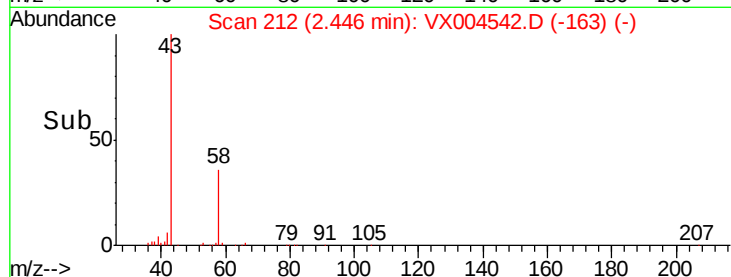
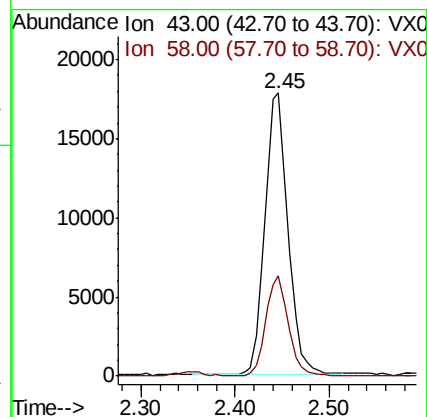
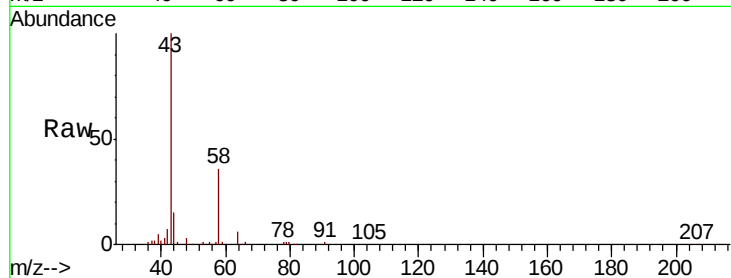
ROLLOFF01-COMP-FILL

Tot Ion: 43 Resp: 30990

Ion Ratio Lower Upper

43 100

58 35.8 26.2 39.4



#17

Carbon Disulfide

Concen: 0.94 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004542.D

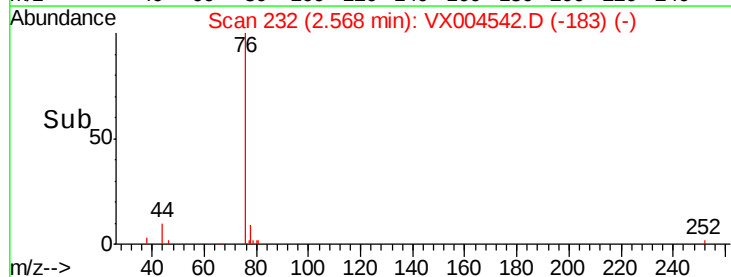
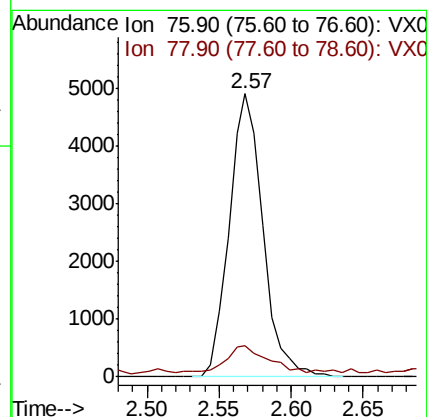
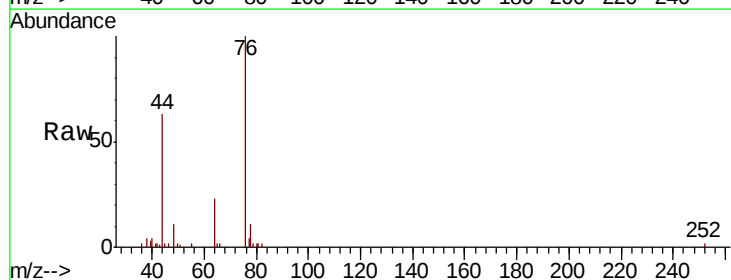
Acq: 14 Sep 2018 16:14

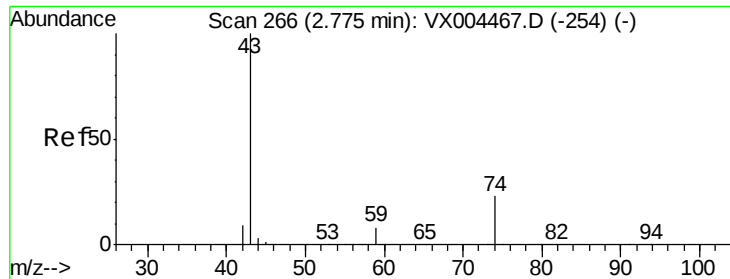
Tgt Ion: 76 Resp: 8045

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6





#18

Methvl Acetate

Concen: 1.24 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

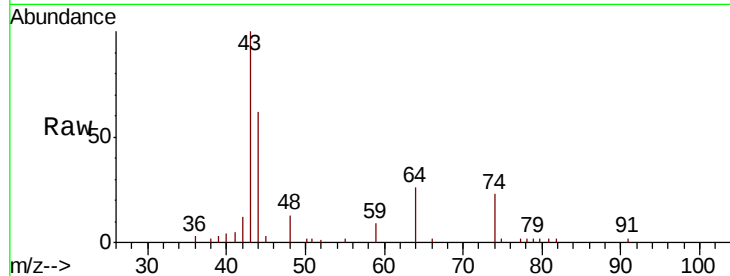
ROLLOFF01-COMP-FILL

Tot Ion: 43 Resp: 6193

Ion Ratio Lower Upper

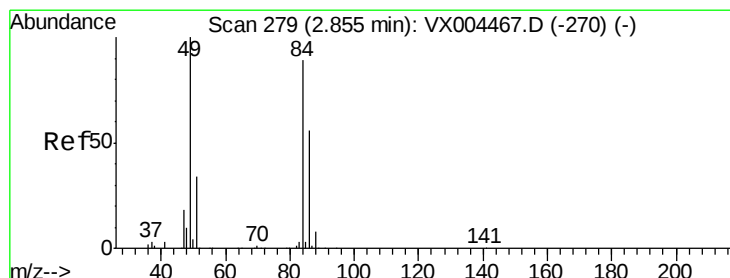
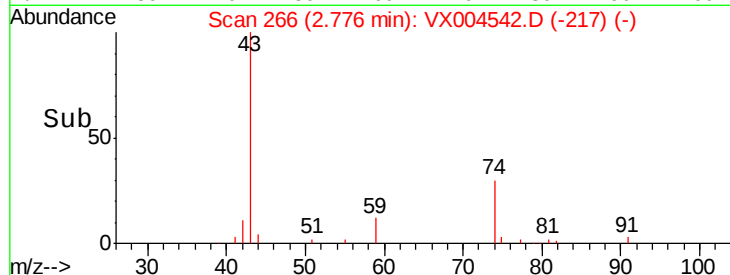
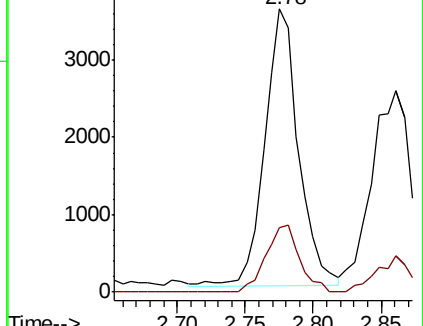
43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 265.79 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Tgt Ion: 84 Resp: 969102

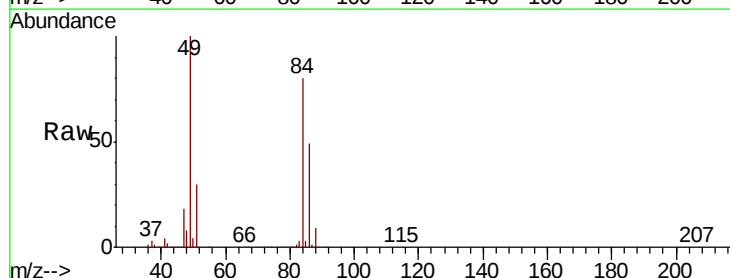
Ion Ratio Lower Upper

84 100

49 124.4 101.2 151.8

51 37.6 29.5 44.3

86 61.0 52.3 78.5

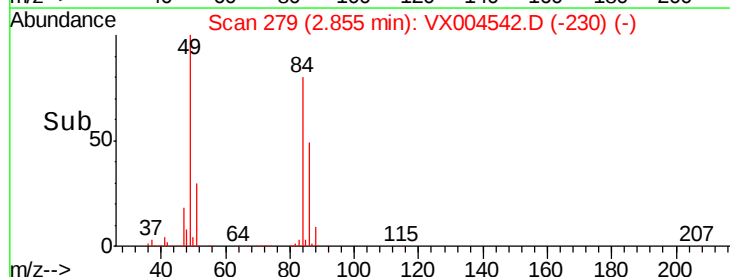
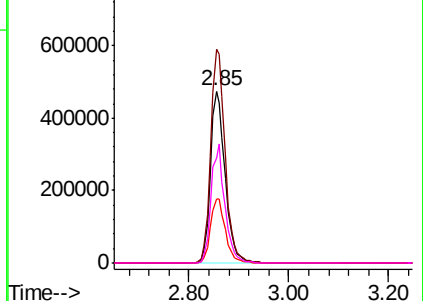


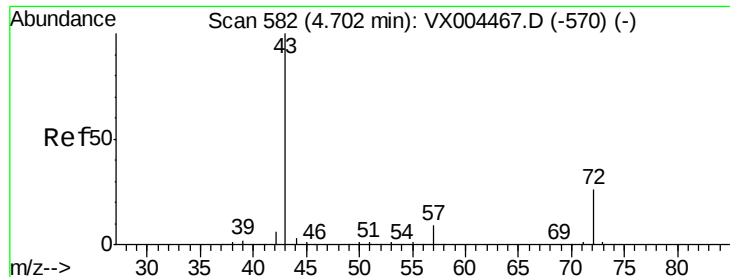
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 2.76 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

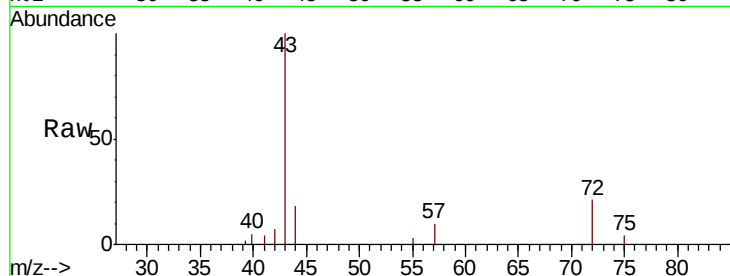
ROLLOFF01-COMP-FILL

Tot Ion: 43 Resp: 7818

Ion Ratio Lower Upper

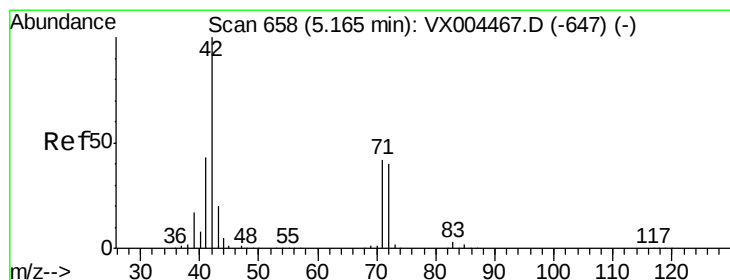
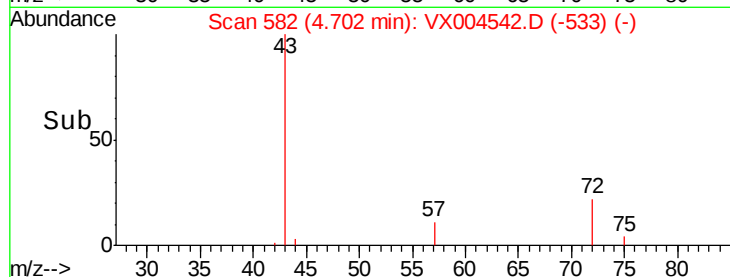
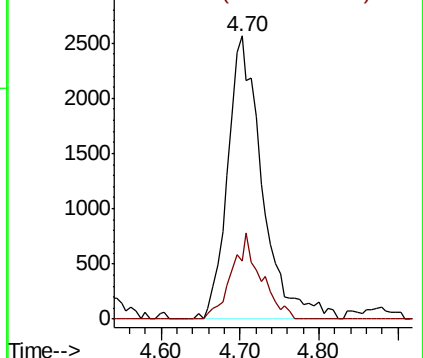
43 100

72 20.6 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

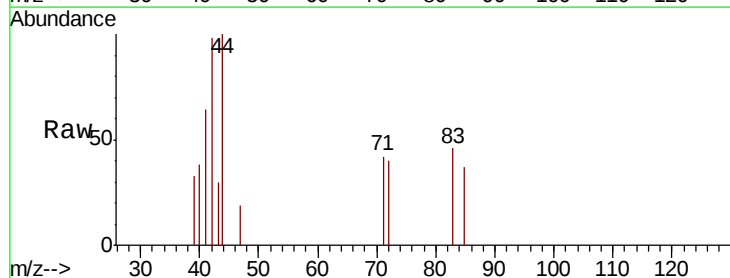
Tgt Ion: 42 Resp: 1018

Ion Ratio Lower Upper

42 100

72 34.9 37.4 56.0#

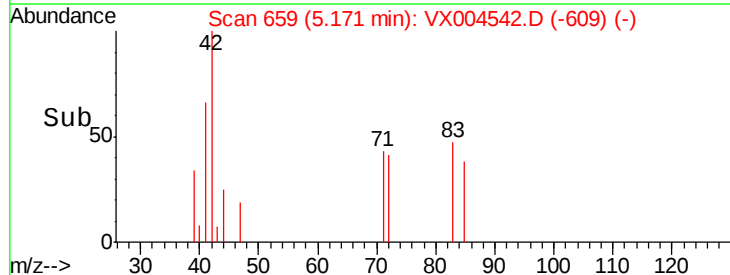
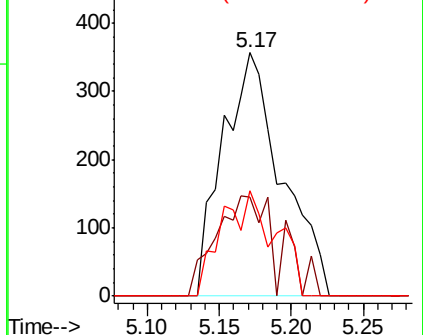
71 17.5 34.5 51.7#

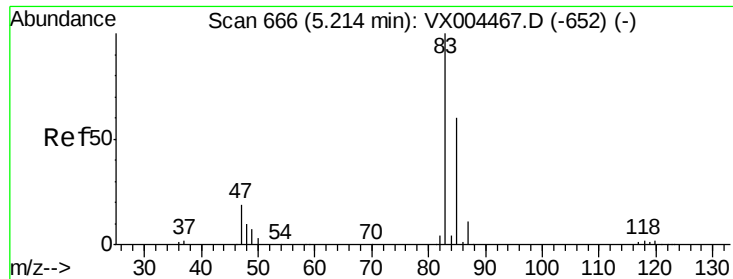


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

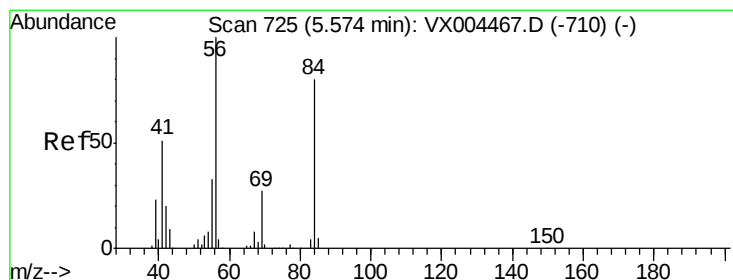
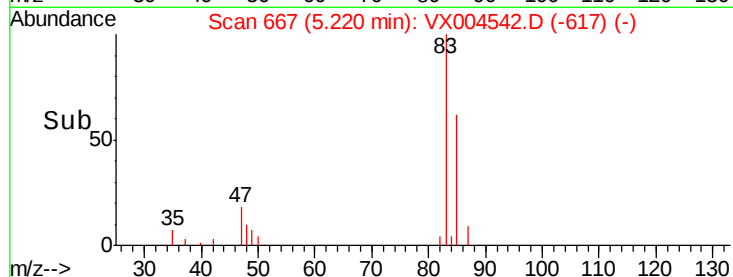
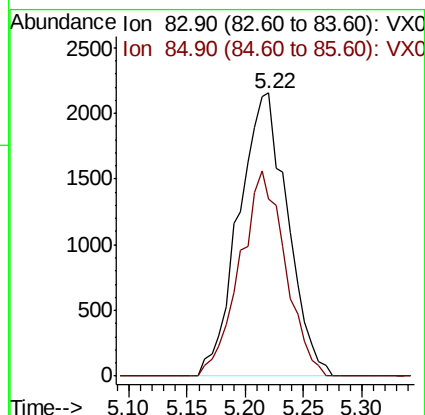
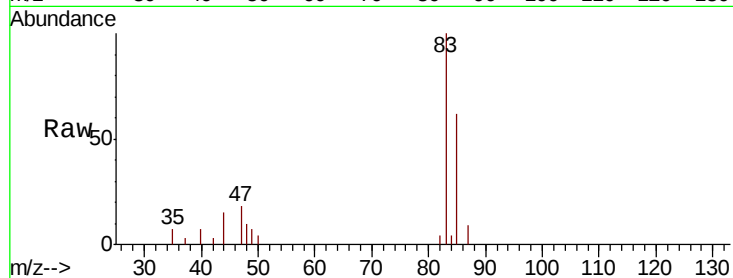




#30
Chloroform
Concen: 1.04 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

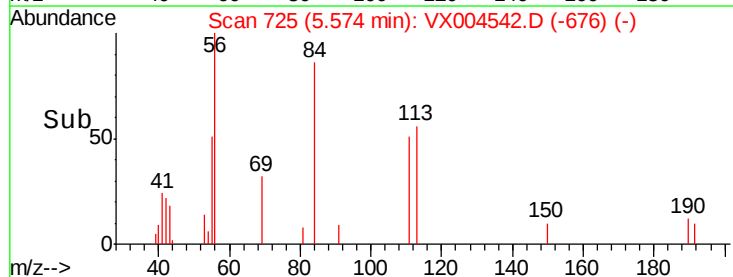
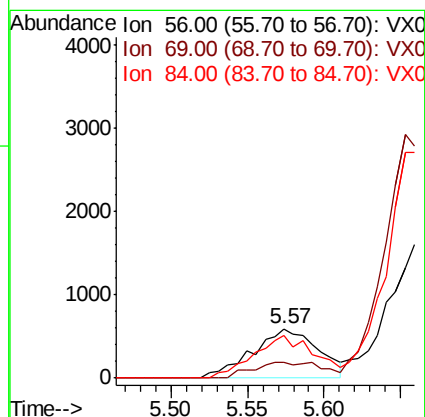
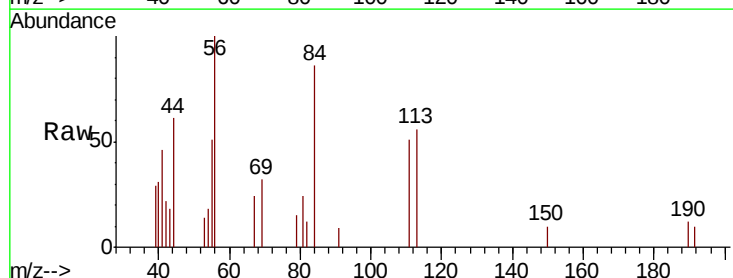
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

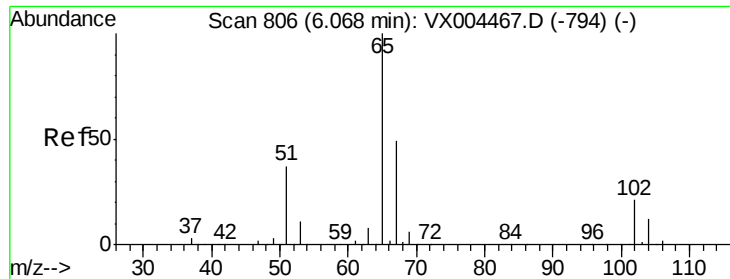
Tot Ion: 83 Resp: 6266
Ion Ratio Lower Upper
83 100
85 62.5 52.6 79.0



#31
Cyclohexane
Concen: 0.33 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 56 Resp: 1764
Ion Ratio Lower Upper
56 100
69 32.3 25.4 38.2
84 85.7 71.4 107.2





#33

1,2-Dichloroethane-d4

Concen: 51.56 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

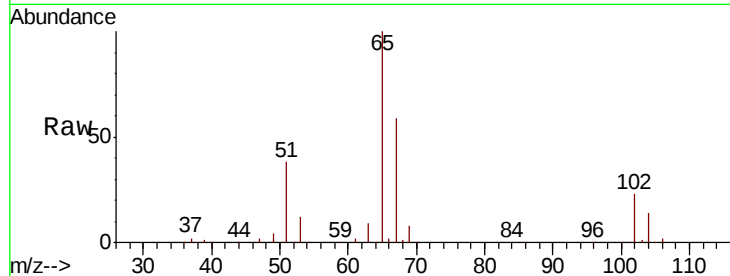
ROLLOFF01-COMP-FILL

Tot Ion: 65 Resp: 187763

Ion Ratio Lower Upper

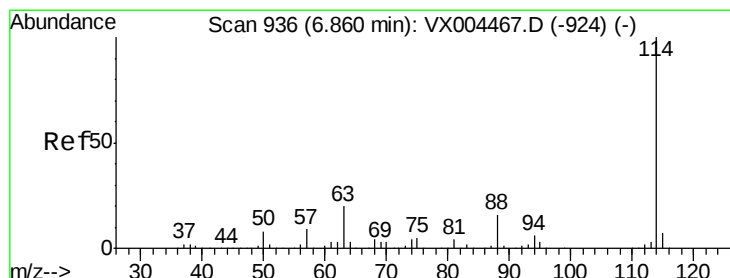
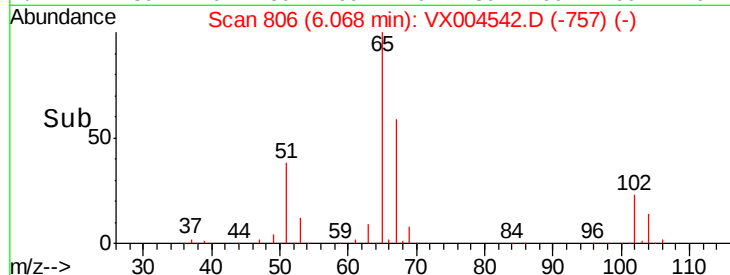
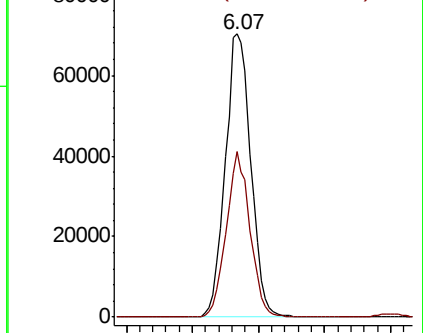
65 100

67 54.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

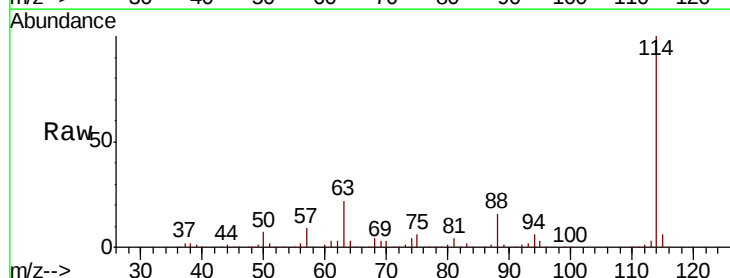
Tgt Ion: 114 Resp: 394859

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

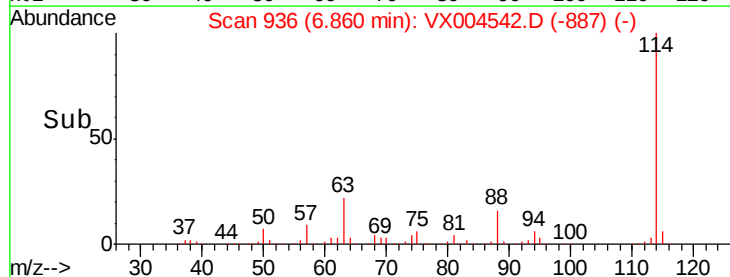
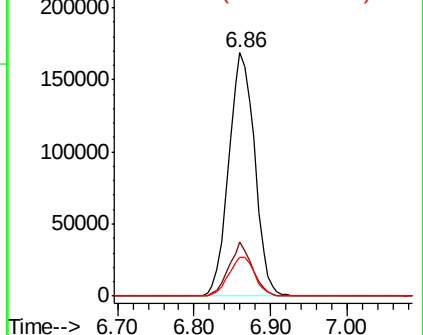
88 15.8 0.0 30.4

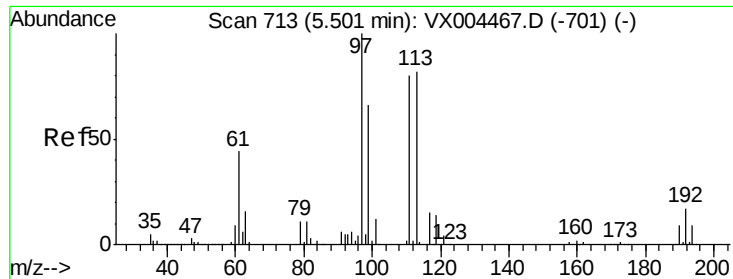


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.23 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

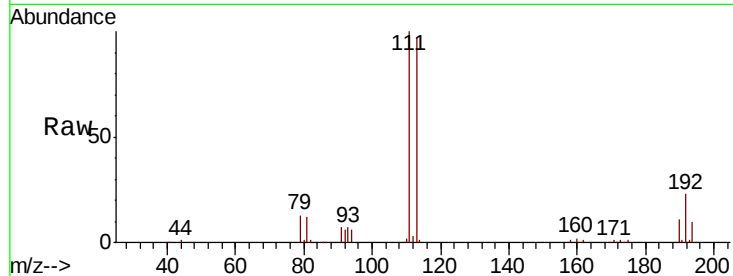
Tot Ion:113 Resp: 167055

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

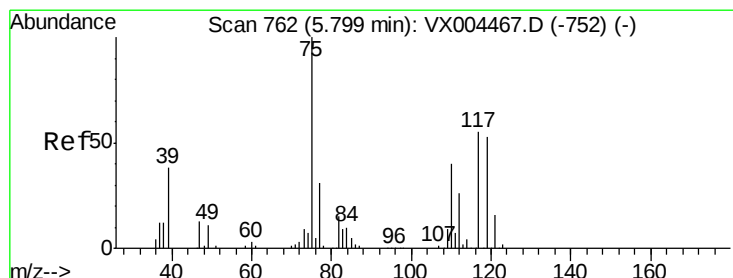
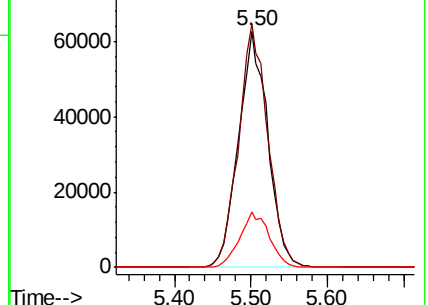
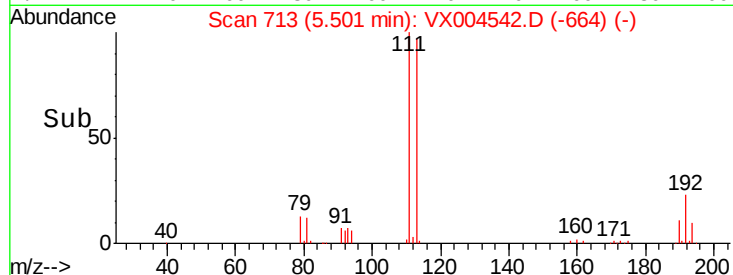
192 23.7 19.4 29.2



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: 3.77 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

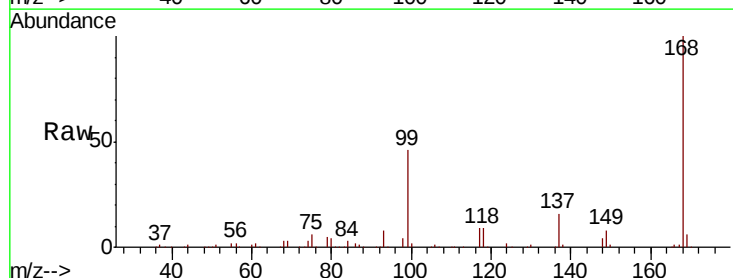
Tgt Ion: 75 Resp: 18056

Ion Ratio Lower Upper

75 100

110 8.5 18.0 54.0#

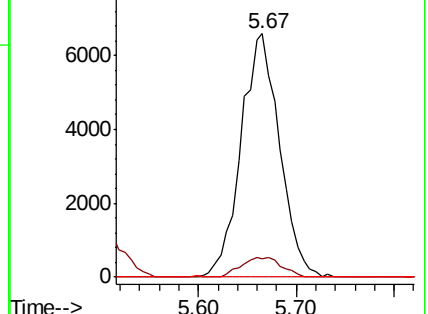
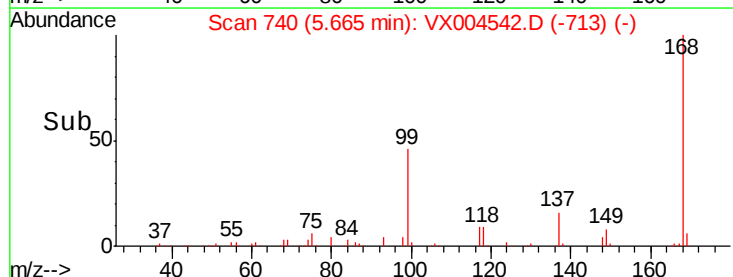
77 0.0 24.6 36.8#

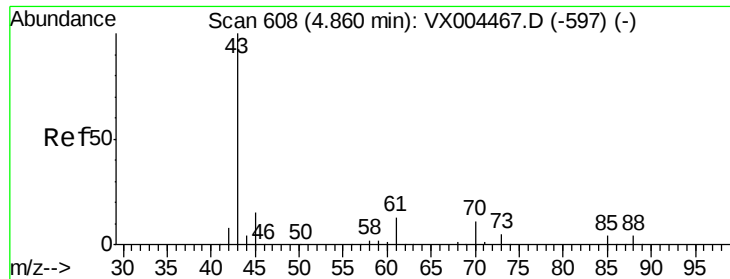


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.43 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

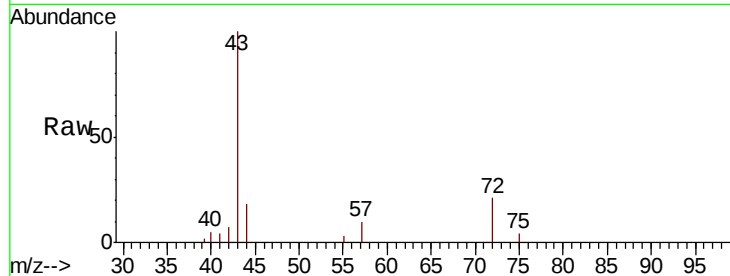
Tot Ion: 43 Resp: 7818

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

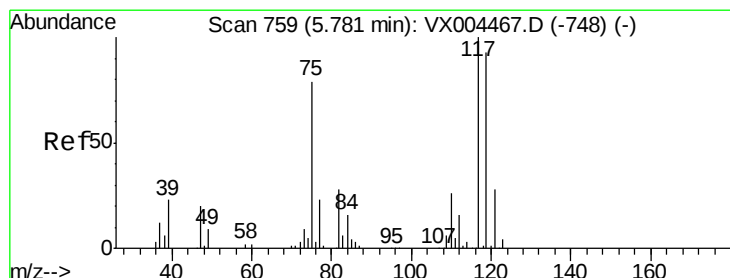
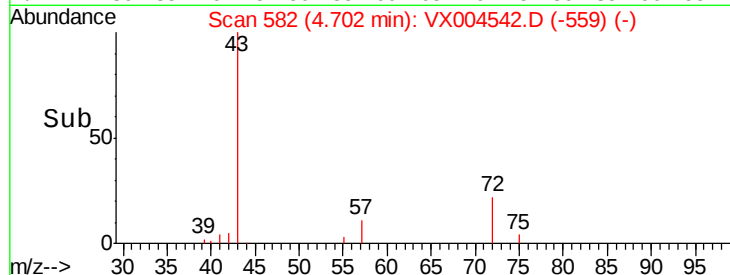
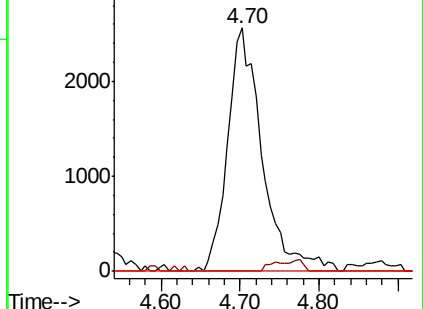
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

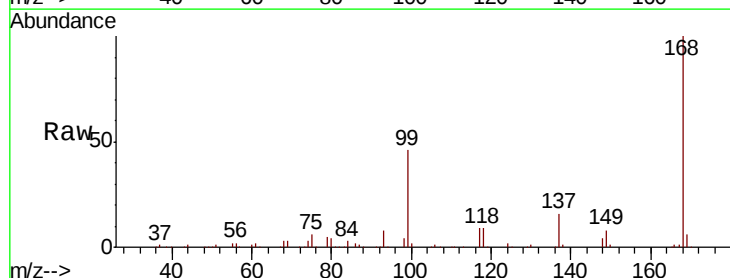
Tgt Ion: 117 Resp: 24450

Ion Ratio Lower Upper

117 100

119 4.4 78.8 118.2#

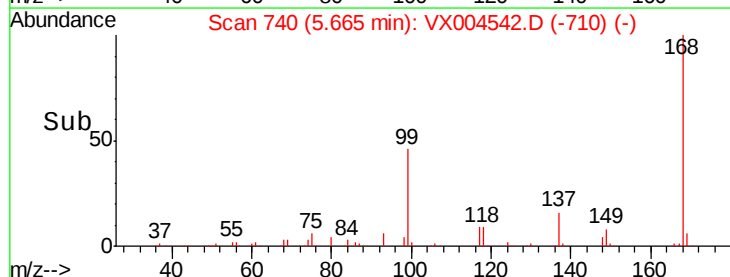
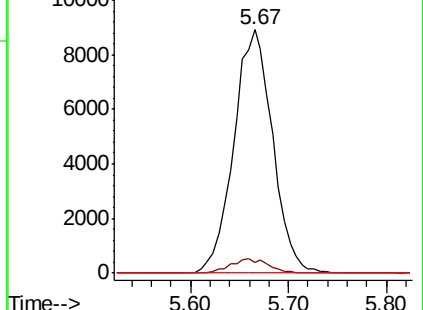
121 0.0 24.9 37.3#

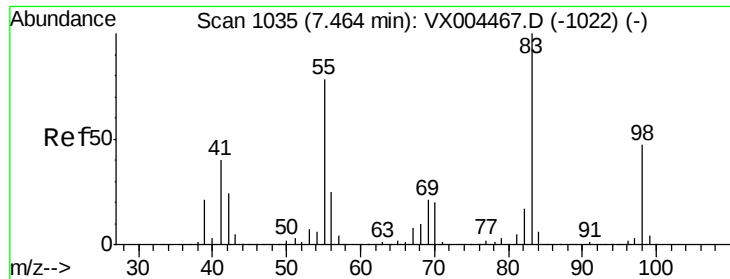


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

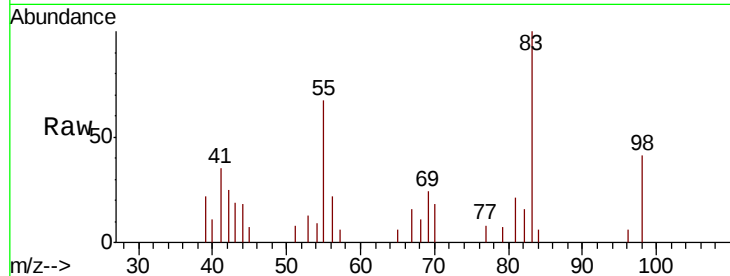




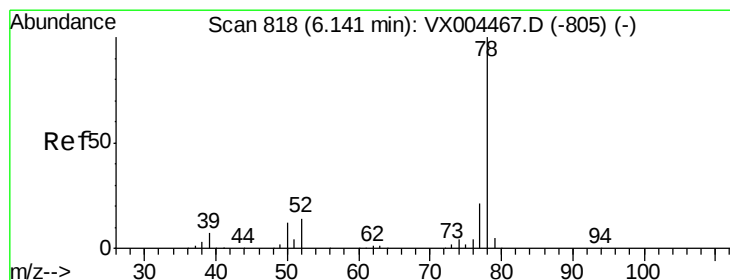
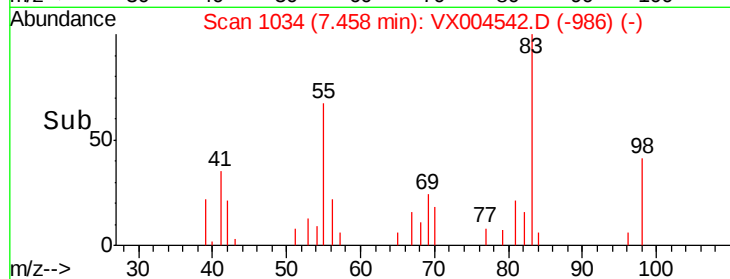
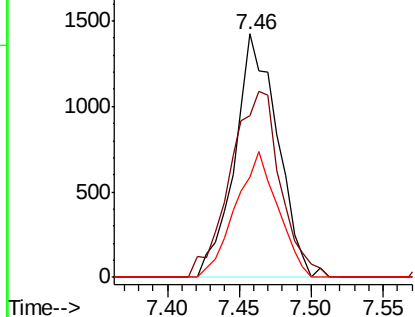
#39
Methvlcvclohexane
Concen: 0.59 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

Tot Ion: 83 Resp: 2927
Ion Ratio Lower Upper
83 100
55 66.7 61.0 91.4
98 41.1 39.6 59.4

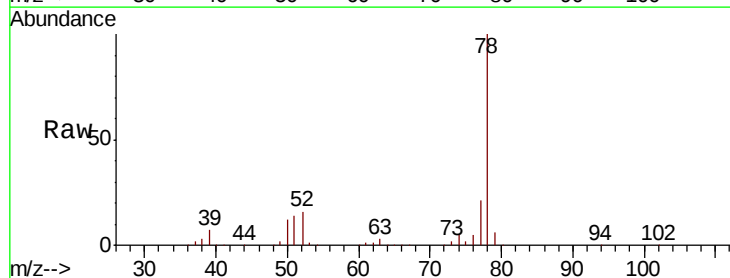


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

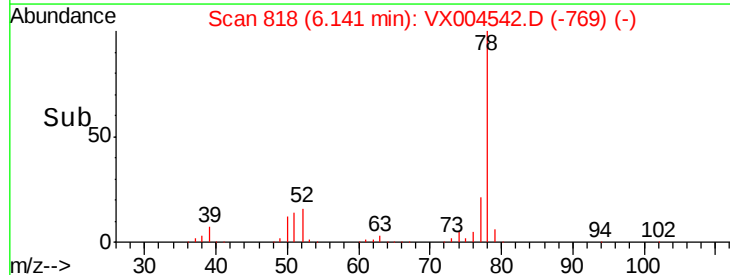
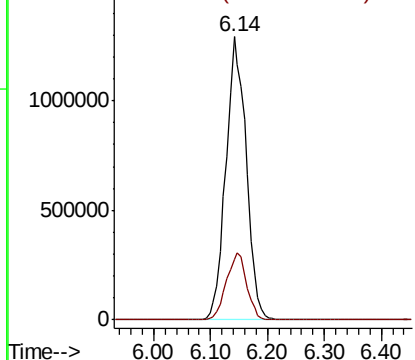


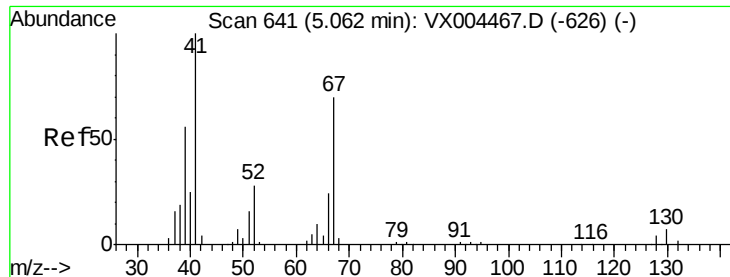
#40
Benzene
Concen: 226.37 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 78 Resp: 3219725
Ion Ratio Lower Upper
78 100
77 21.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 0.27 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

Tot Ion: 41 Resp: 815

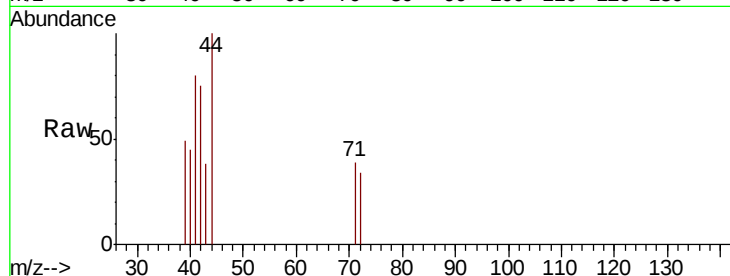
Ion Ratio Lower Upper

41 100

39 41.6 42.4 63.6#

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

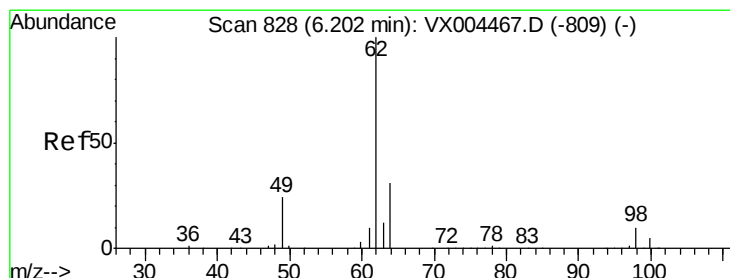
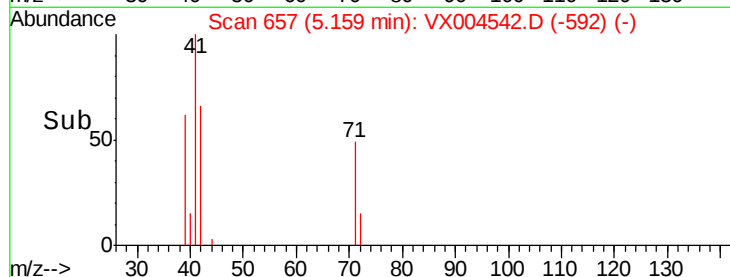
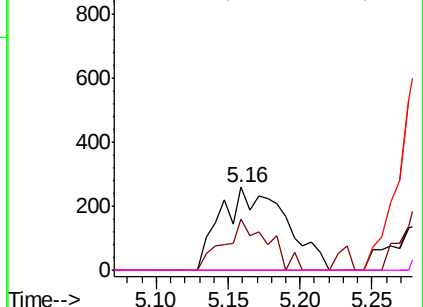


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.12 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX004542.D

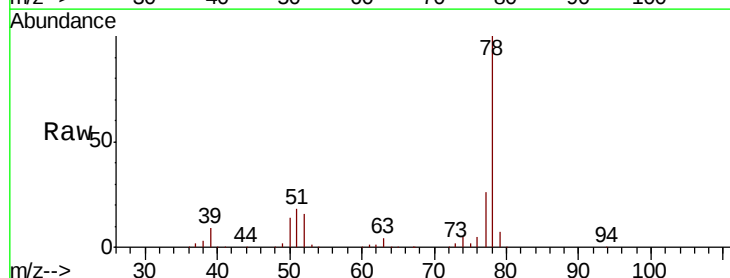
Acq: 14 Sep 2018 16:14

Tgt Ion: 62 Resp: 24173

Ion Ratio Lower Upper

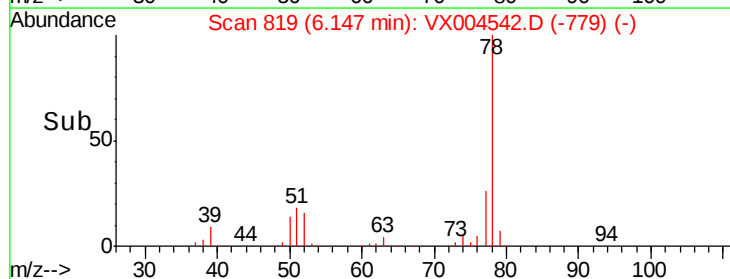
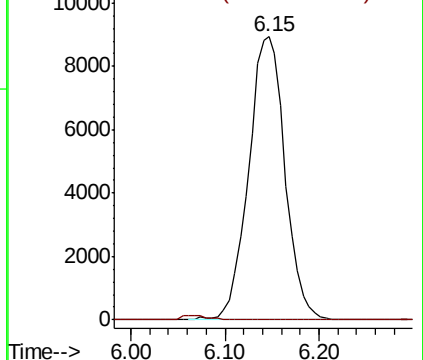
62 100

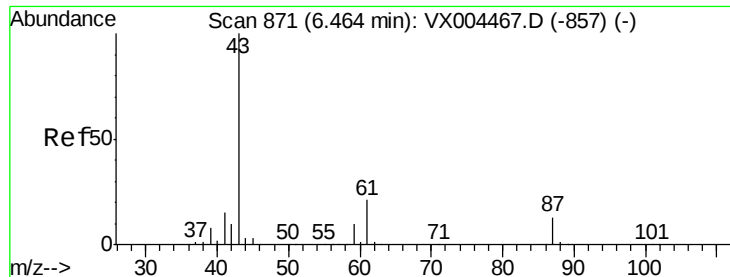
98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



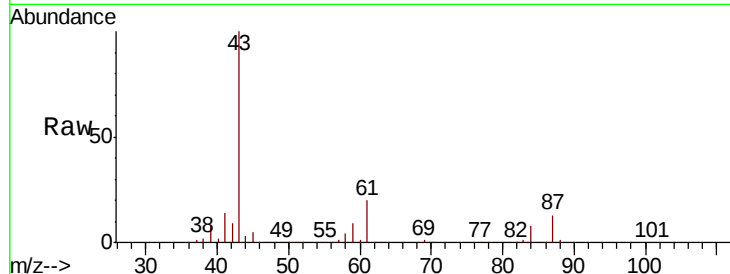


#43

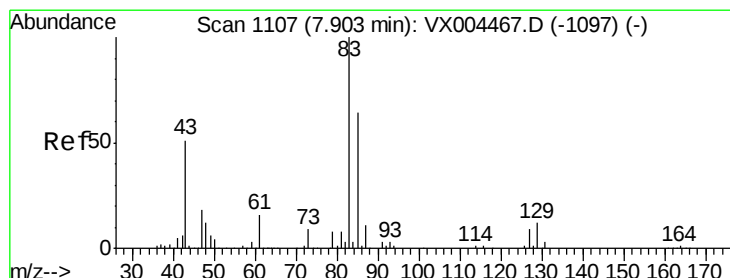
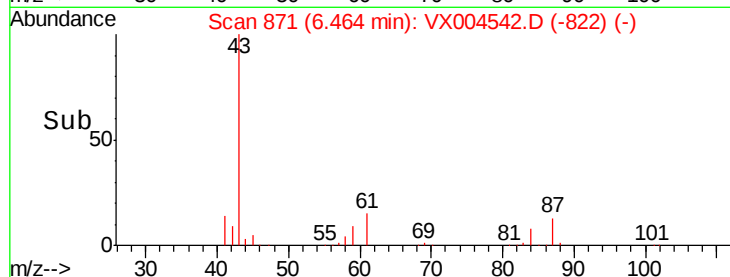
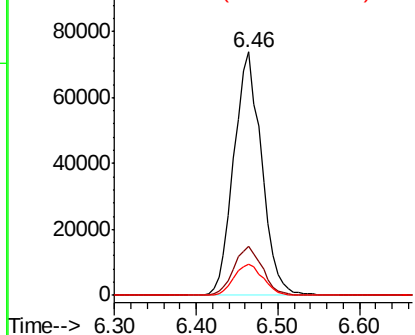
Isopropyl Acetate
 Concen: 24.07 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF01-COMP-FILL

Tot Ion: 43 Resp: 174278
 Ion Ratio Lower Upper
 43 100
 61 20.6 17.0 25.4
 87 13.4 11.4 17.2



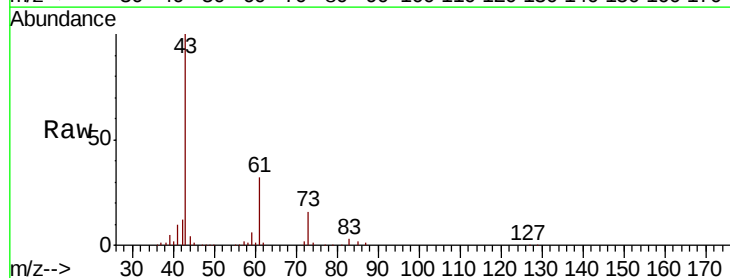
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



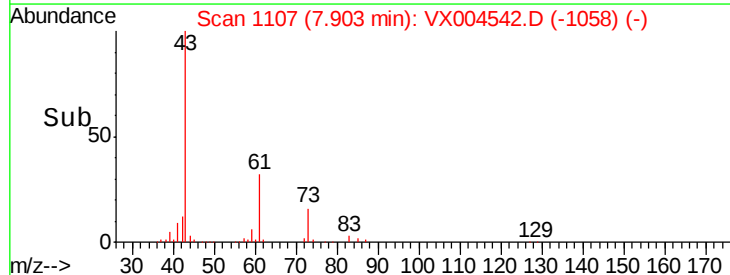
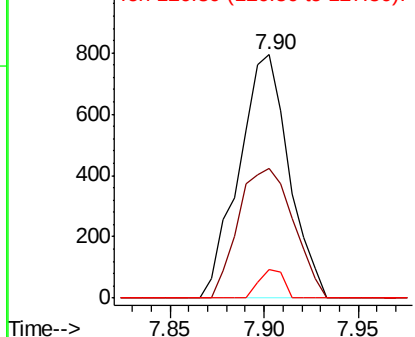
#47

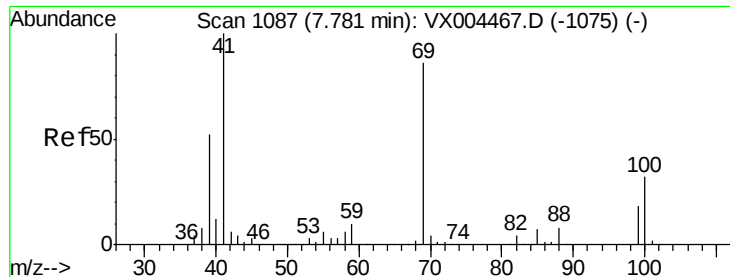
Bromodichloromethane
 Concen: 0.36 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

Tgt Ion: 83 Resp: 1462
 Ion Ratio Lower Upper
 83 100
 85 53.3 50.9 76.3
 127 12.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 1.69 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

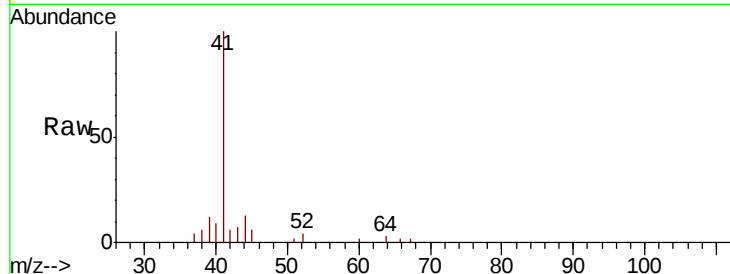
Tot Ion: 41 Resp: 6069

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

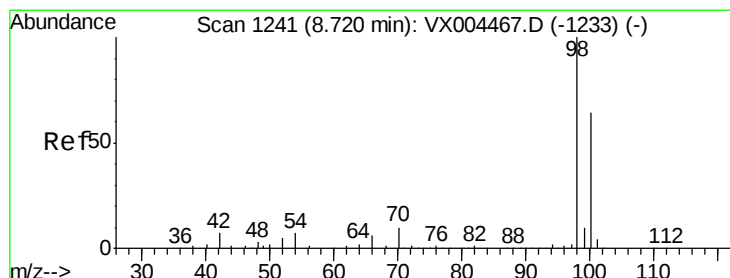
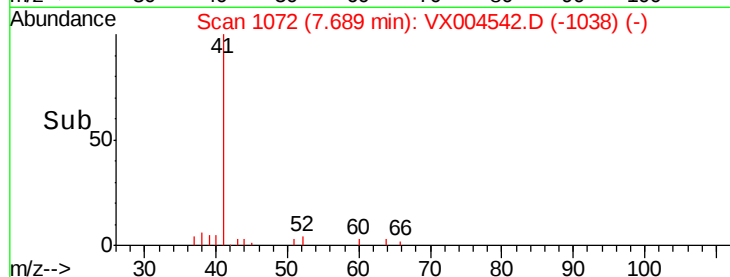
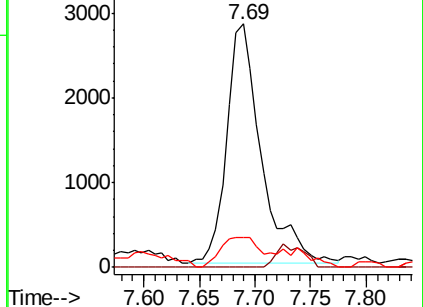
39 15.6 42.7 64.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 46.03 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004542.D

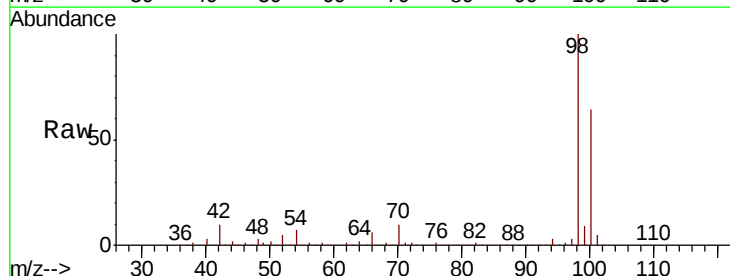
Acq: 14 Sep 2018 16:14

Tgt Ion: 98 Resp: 557810

Ion Ratio Lower Upper

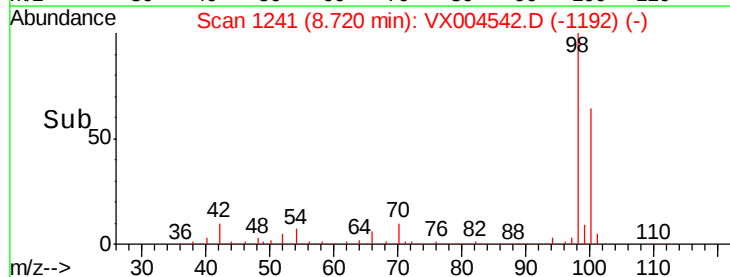
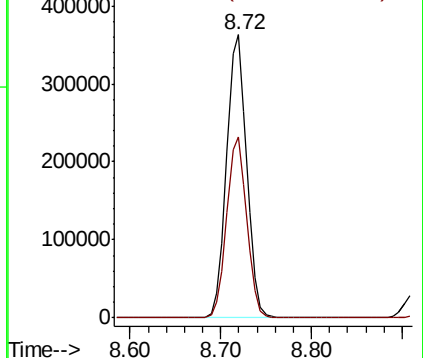
98 100

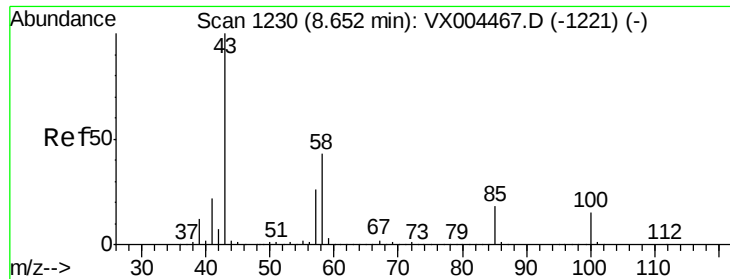
100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

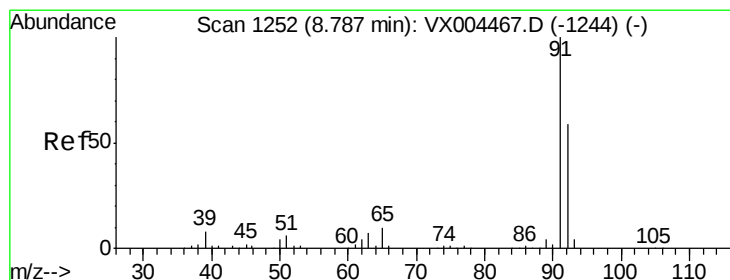
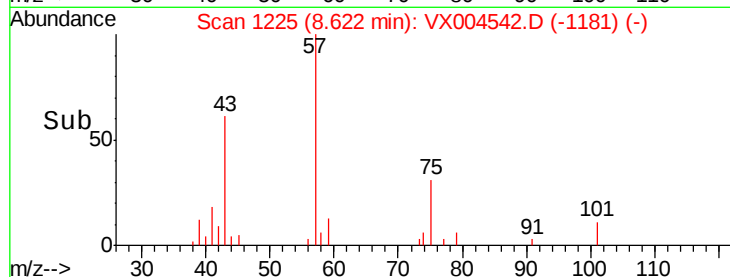
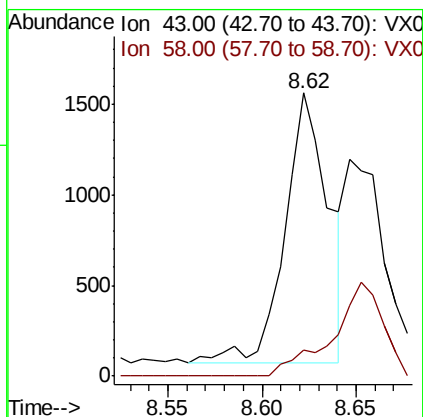
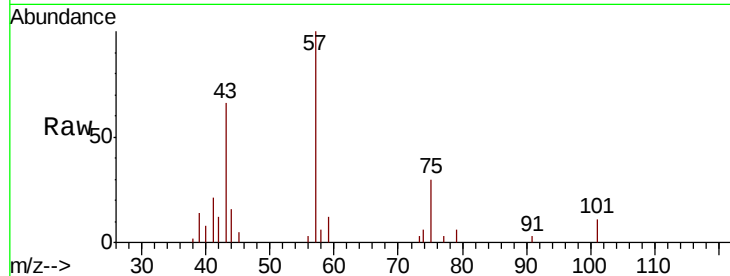




#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

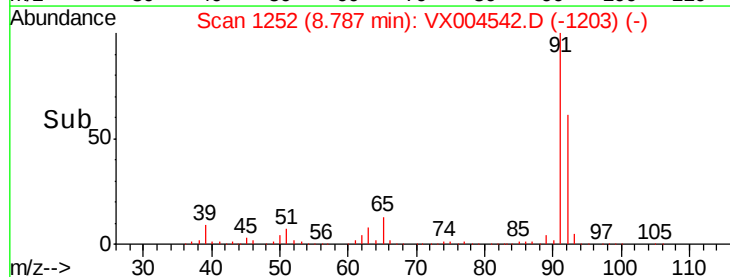
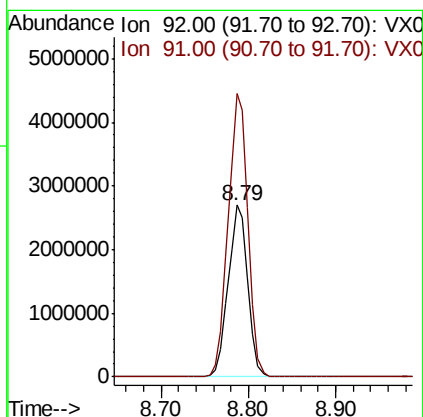
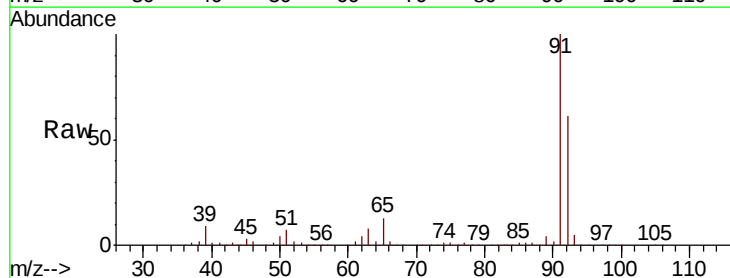
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

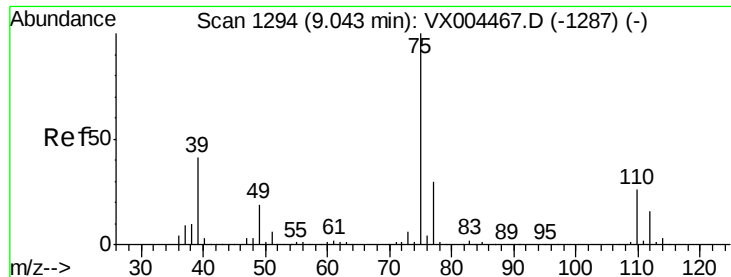
Tot Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#52
Toluene
Concen: 496.46 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 92 Resp: 4160363
Ion Ratio Lower Upper
92 100
91 167.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 9.69 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.26 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

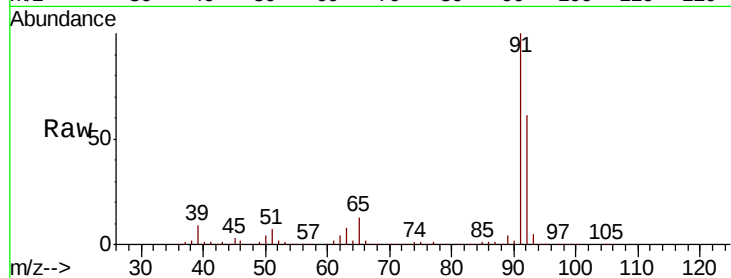
ROLLOFF01-COMP-FILL

Tot Ion: 75 Resp: 46304

Ion Ratio Lower Upper

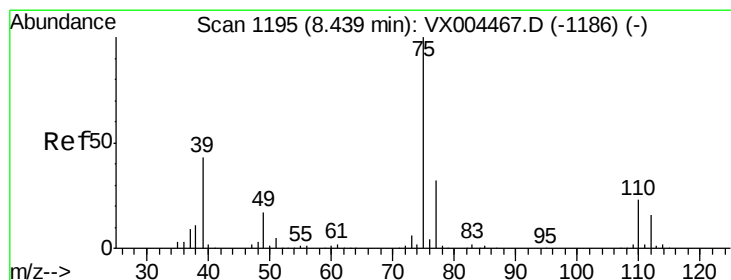
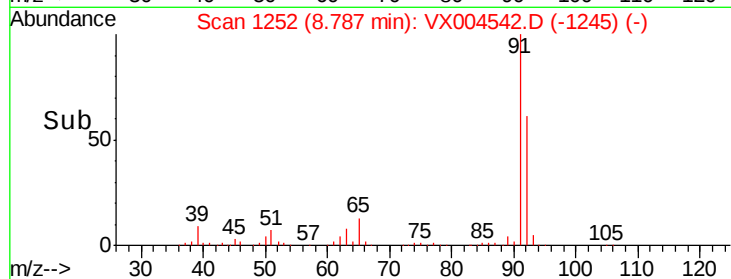
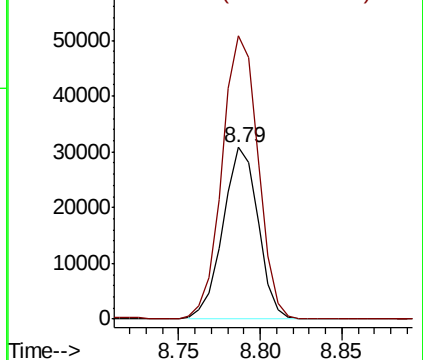
75 100

77 164.5 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.22 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

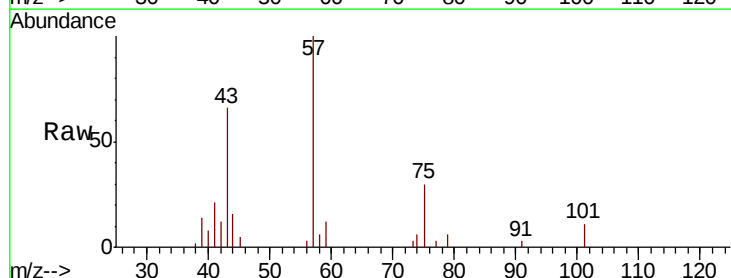
Tgt Ion: 75 Resp: 1073

Ion Ratio Lower Upper

75 100

77 9.0 26.2 39.2#

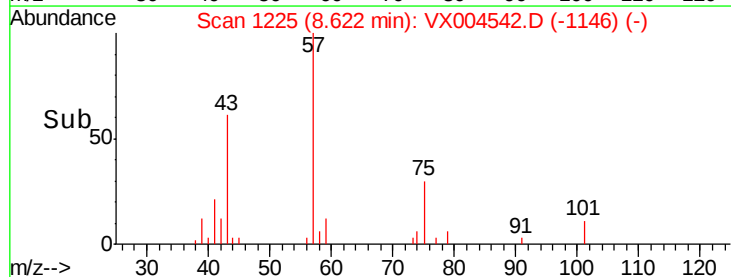
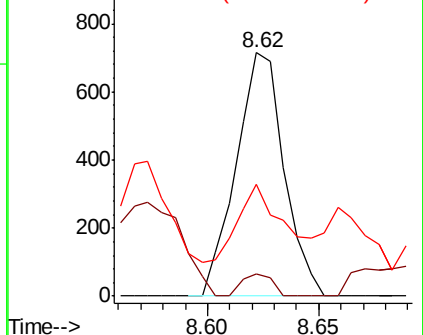
39 28.5 36.4 54.6#

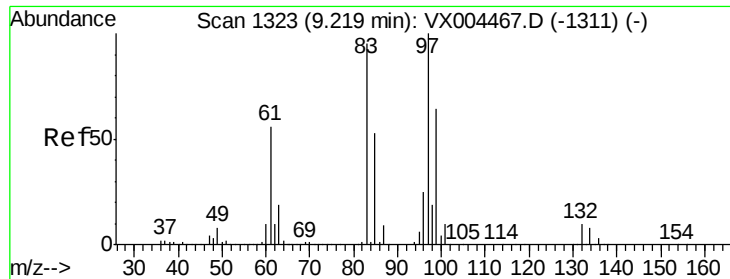


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

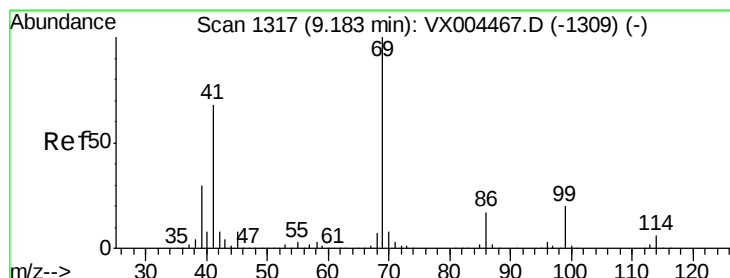
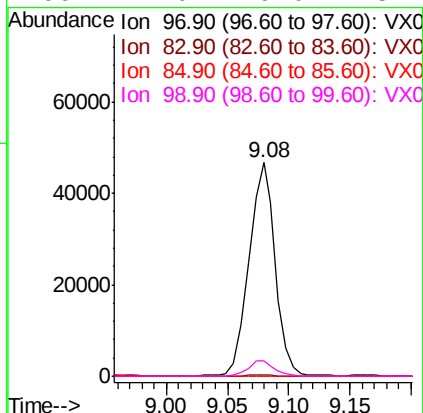
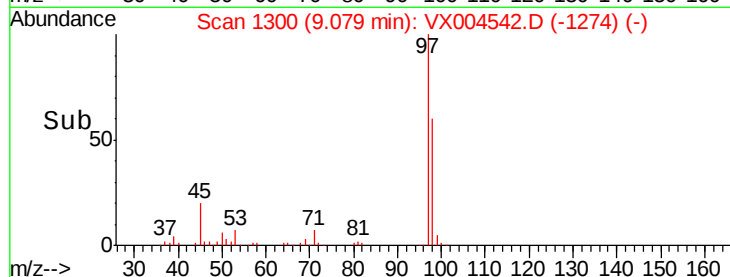
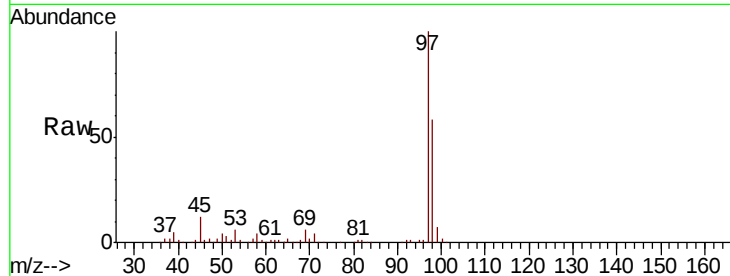




#55
 1,1,2-Trichloroethane
 Concen: 19.19 ug/l
 RT: 9.08 min Scan# 1300
 Delta R.T. -0.14 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

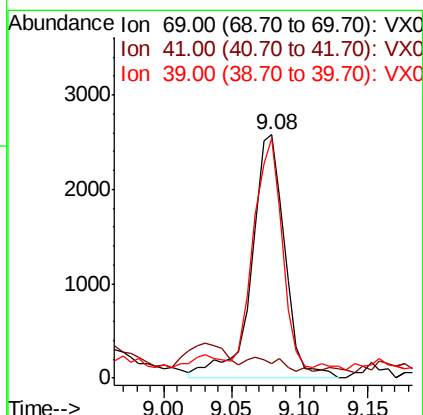
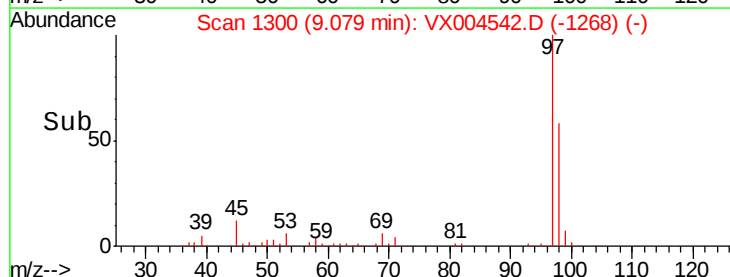
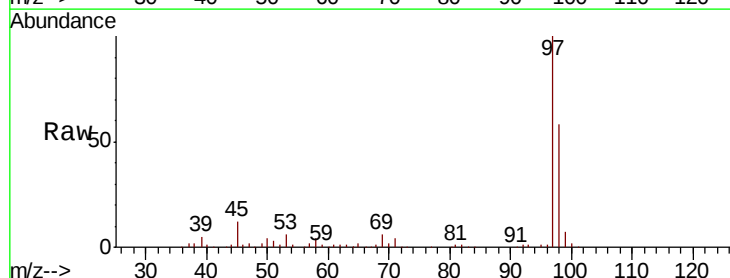
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF01-COMP-FILL

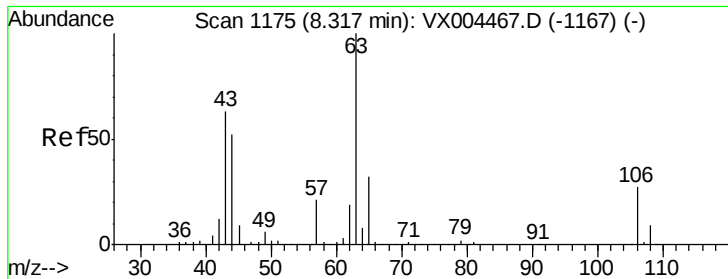
Tot Ion	Ratio	Lower	Upper
97	100		
83	0.4	66.4	99.6#
85	0.0	43.3	64.9#
99	7.0	49.0	73.4#



#56
 Ethyl methacrylate
 Concen: 0.87 ug/l
 RT: 9.08 min Scan# 1300
 Delta R.T. -0.10 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	5.9	51.0	76.4#
39	79.2	26.1	39.1#





#58

2-Chloroethyl Vinyl ether

Concen: 7.28 ug/l

RT: 8.57 min Scan# 1216

Delta R.T. 0.25 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

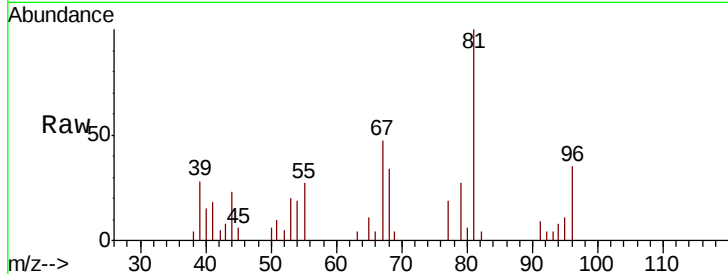
ROLLOFF01-COMP-FILL

Tot Ion: 63 Resp: 20

Ion Ratio Lower Upper

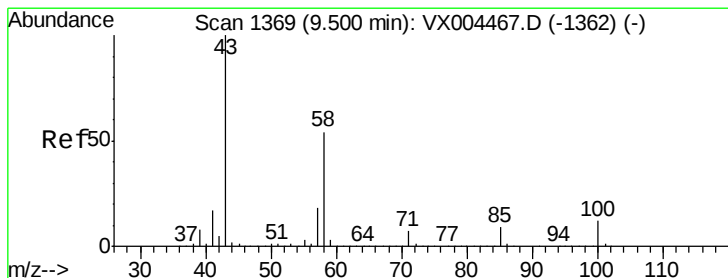
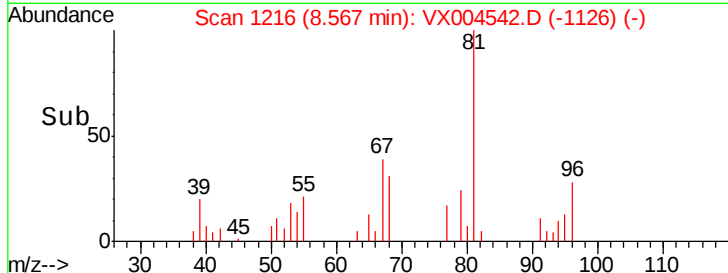
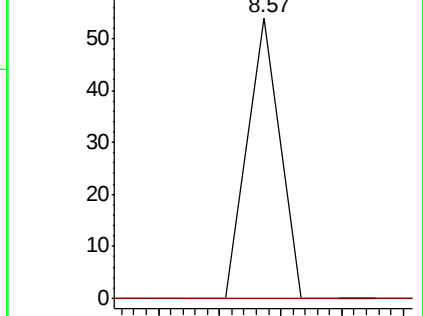
63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 2.67 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.05 min

Lab File: VX004542.D

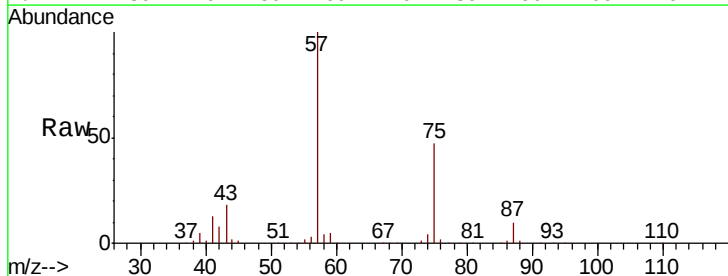
Acq: 14 Sep 2018 16:14

Tgt Ion: 43 Resp: 10477

Ion Ratio Lower Upper

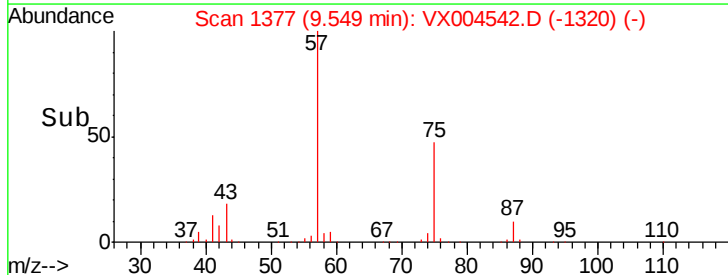
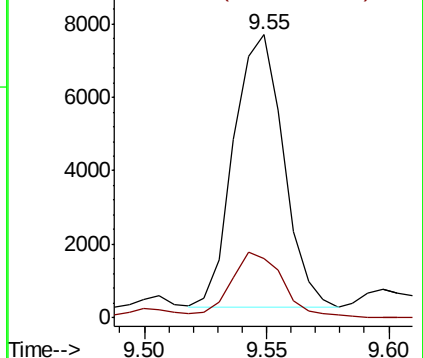
43 100

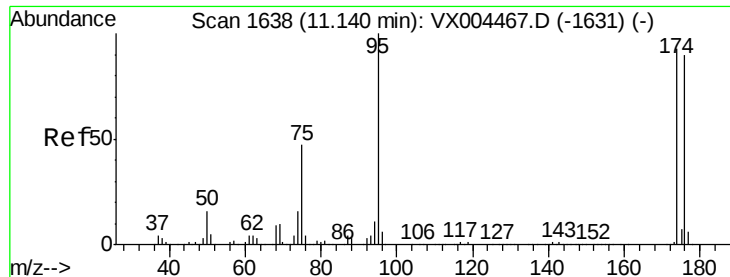
58 25.6 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.24 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

ROLLOFF01-COMP-FILL

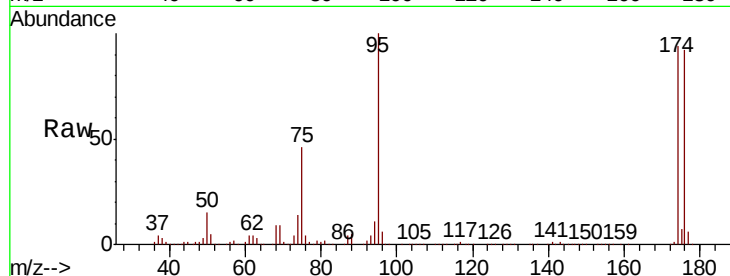
Tot Ion: 95 Resp: 212979

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

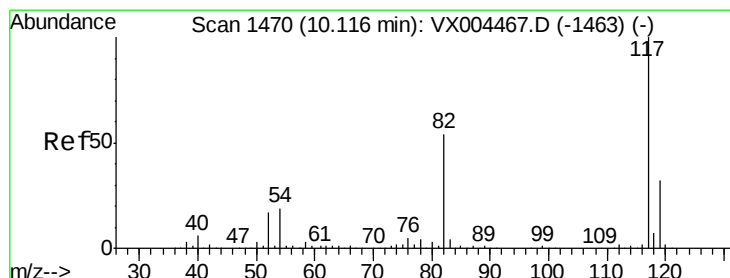
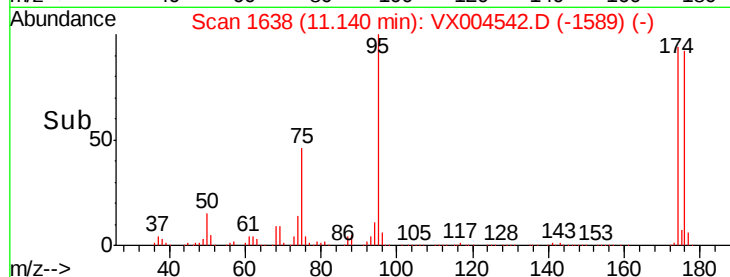
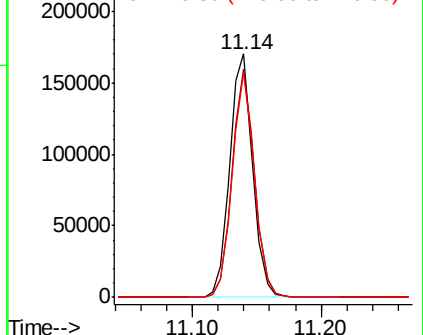
176 89.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

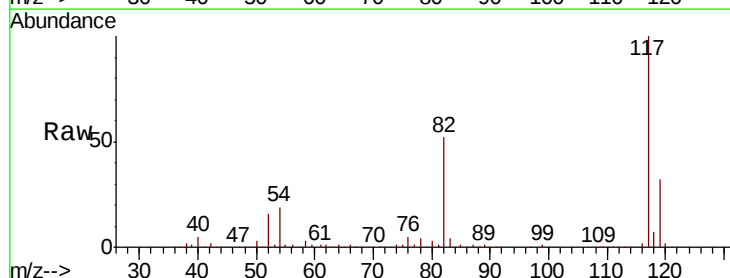
Tgt Ion: 117 Resp: 374115

Ion Ratio Lower Upper

117 100

82 52.5 47.8 71.6

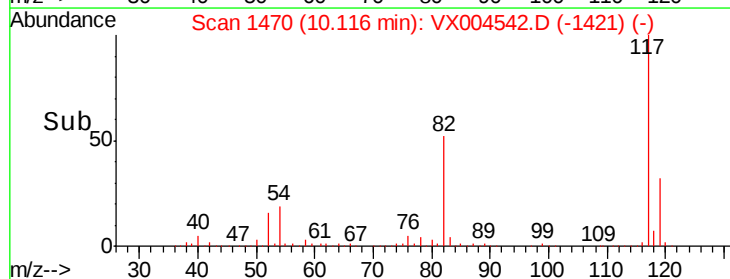
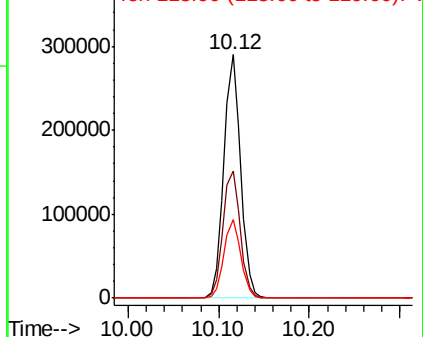
119 32.1 29.3 43.9

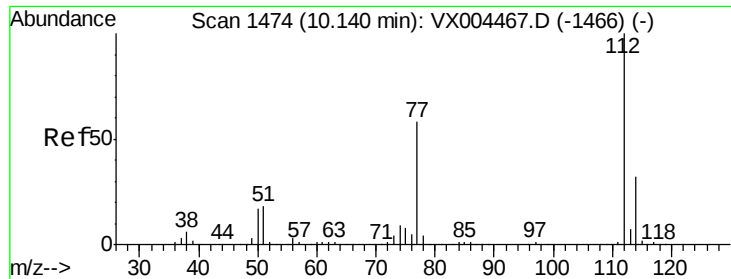


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

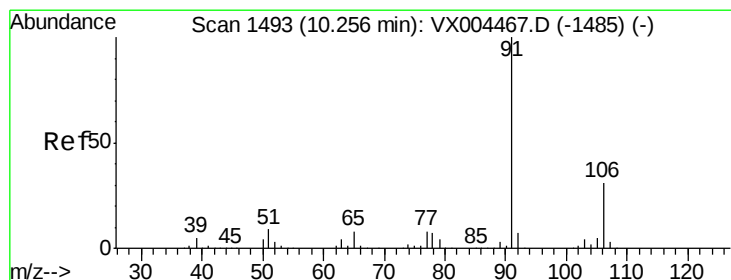
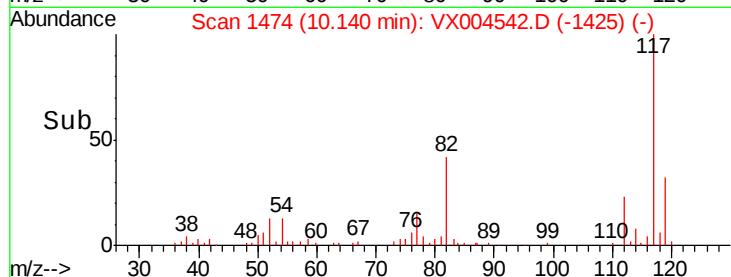
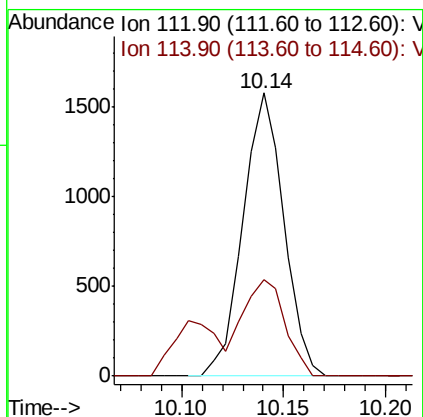
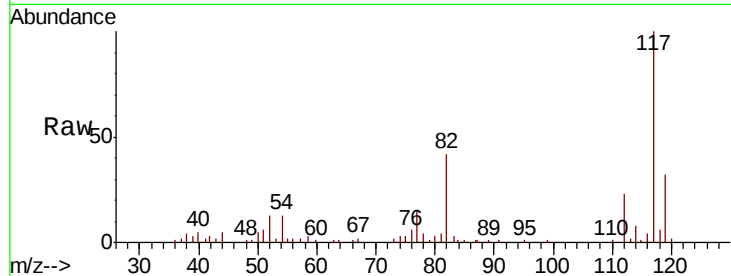




#65
Chlorobenzene
Concen: 0.24 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

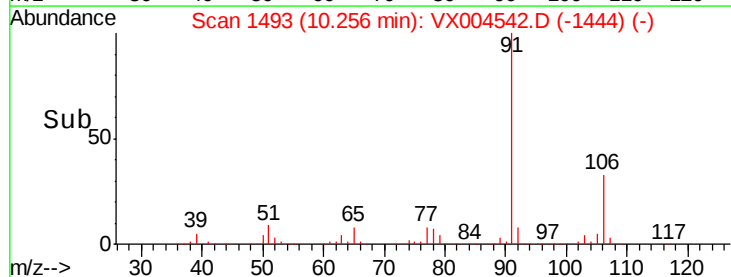
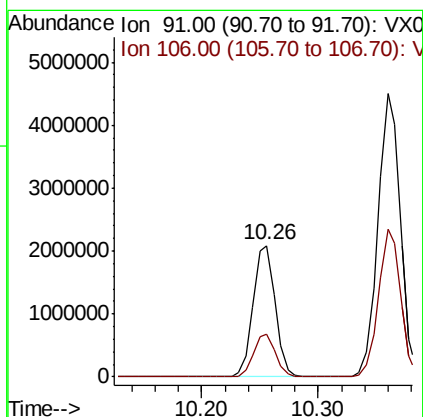
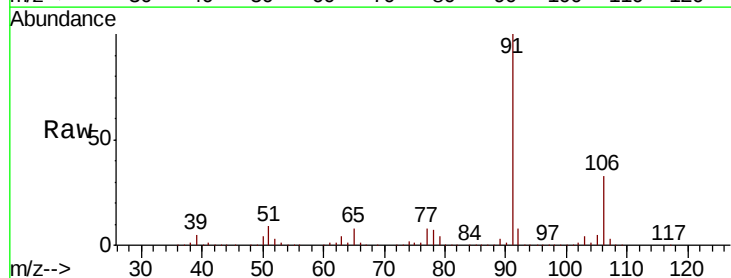
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

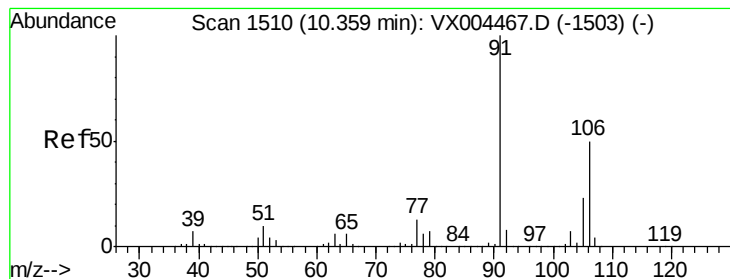
Tot Ion:112 Resp: 2192
Ion Ratio Lower Upper
112 100
114 34.1 27.8 41.8



#67
Ethyl Benzene
Concen: 182.90 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 91 Resp: 2763612
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9





#68

m/p-Xvlenes

Concen: 532.15 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

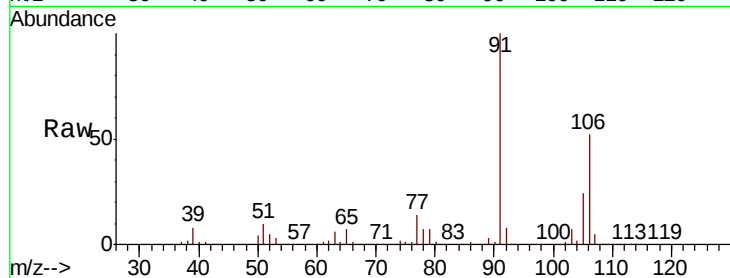
ROLLOFF01-COMP-FILL

Tot Ion:106 Resp: 3097367

Ion Ratio Lower Upper

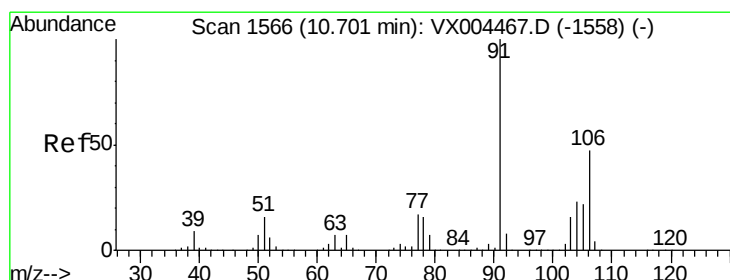
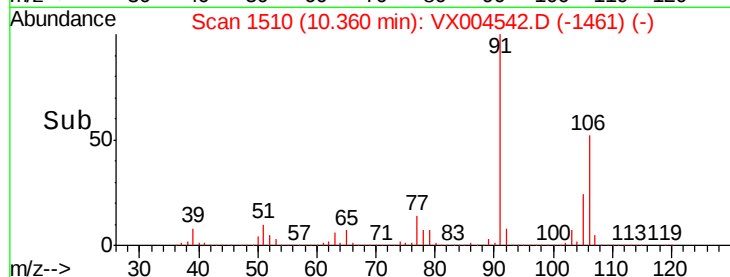
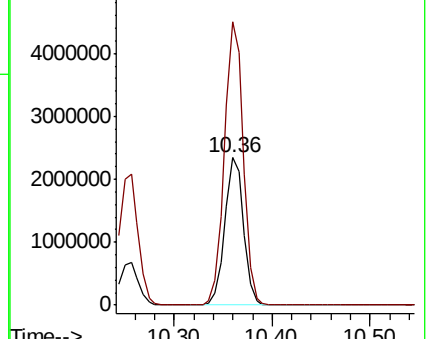
106 100

91 194.0 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 242.99 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX004542.D

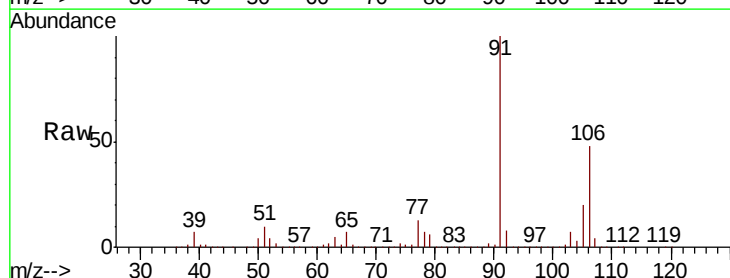
Acq: 14 Sep 2018 16:14

Tgt Ion:106 Resp: 1359702

Ion Ratio Lower Upper

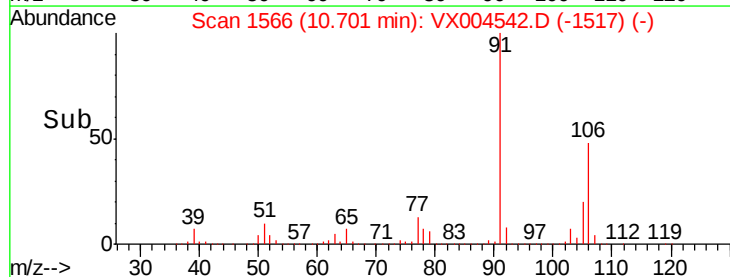
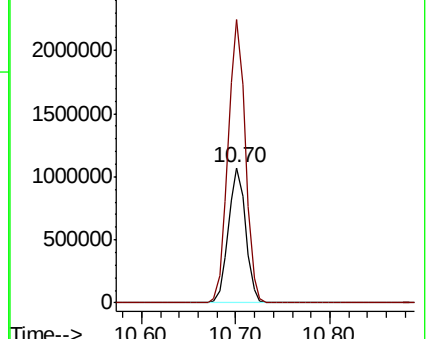
106 100

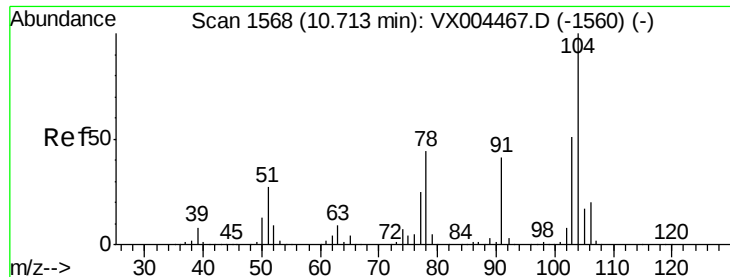
91 209.9 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

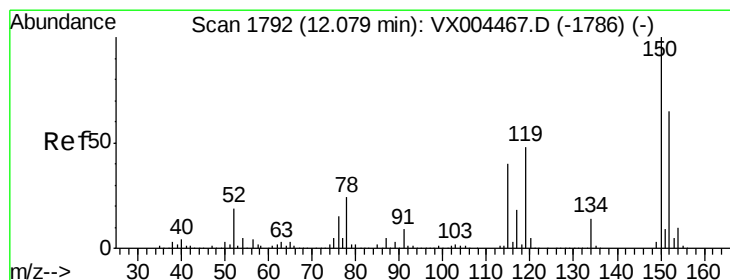
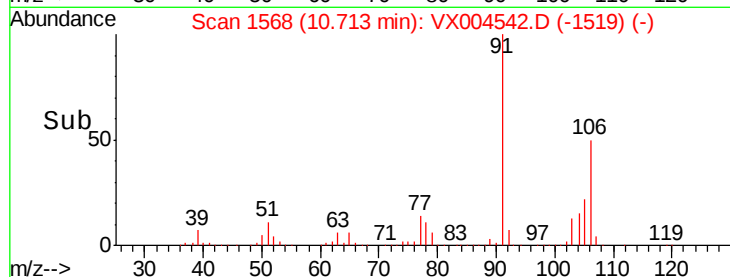
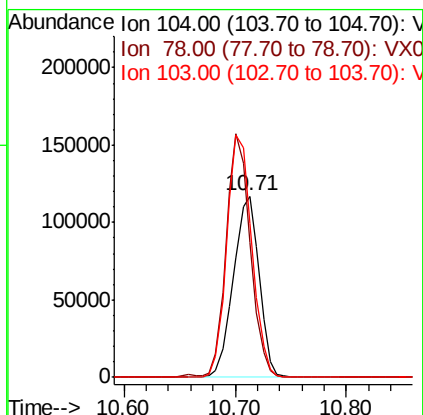
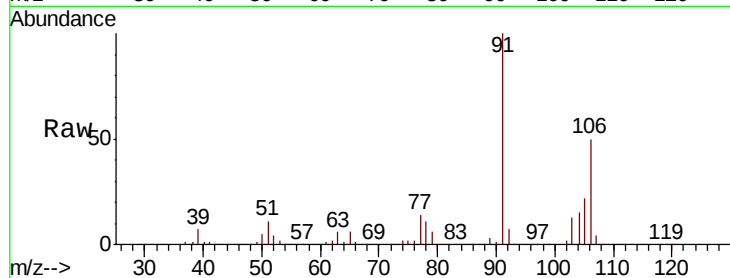




#70
Stvrene
Concen: 20.17 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

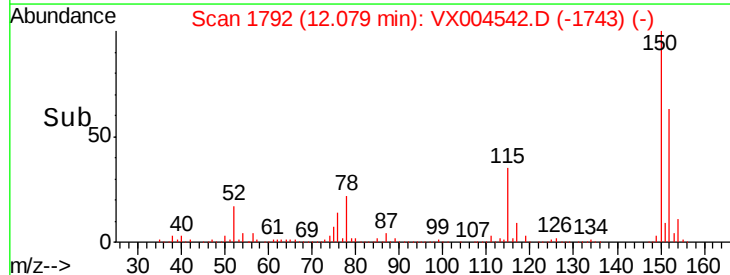
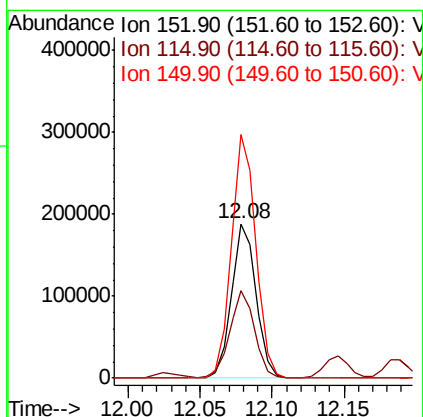
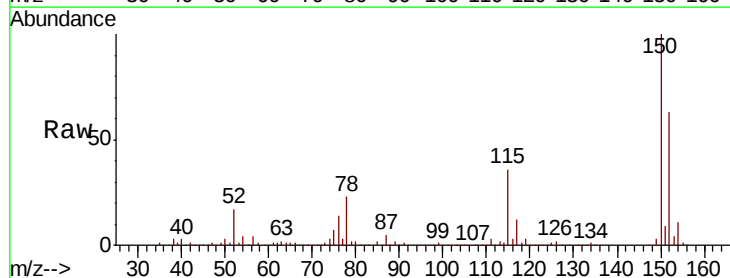
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

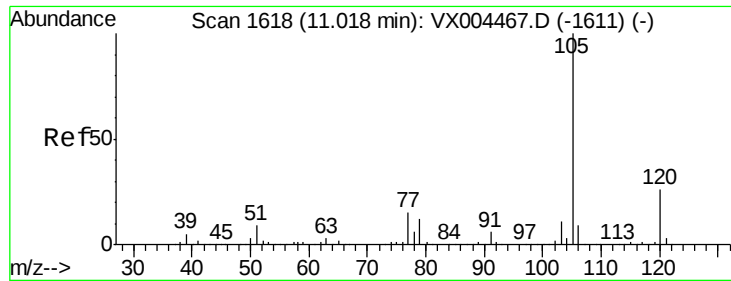
Tot Ion:104 Resp: 186977
Ion Ratio Lower Upper
104 100
78 126.4 37.4 56.0#
103 130.1 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion:152 Resp: 225111
Ion Ratio Lower Upper
152 100
115 57.1 39.0 117.0
150 157.4 0.0 351.0





#73

Isopropylbenzene

Concen: 15.88 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

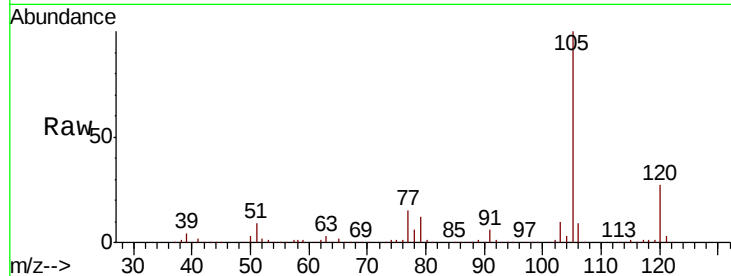
ROLLOFF01-COMP-FILL

Tot Ion:105 Resp: 235483

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

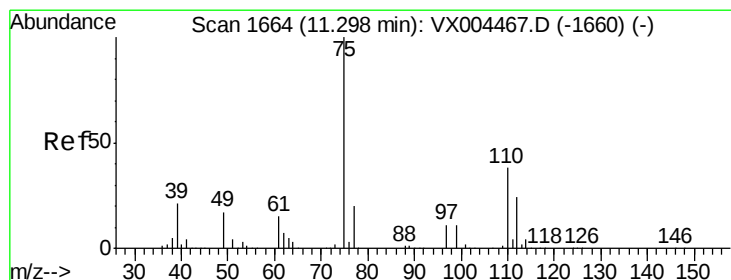
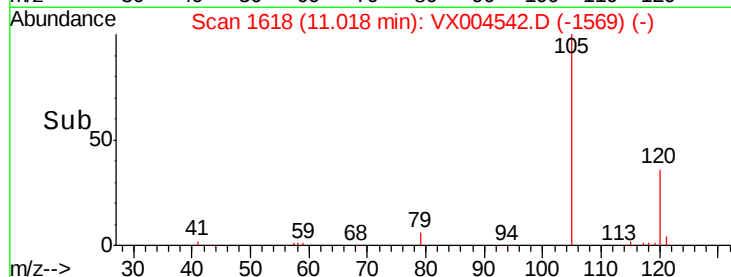
0

11.02

11.00

11.10

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.50 ug/l

RT: 11.44 min Scan# 1687

Delta R.T. 0.14 min

Lab File: VX004542.D

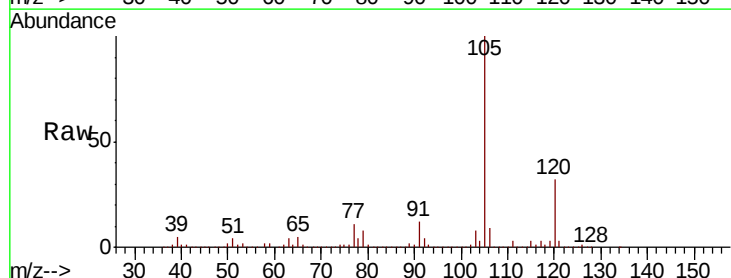
Acq: 14 Sep 2018 16:14

Tgt Ion: 75 Resp: 6803

Ion Ratio Lower Upper

75 100

77 1437.0 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

100000

80000

60000

40000

20000

0

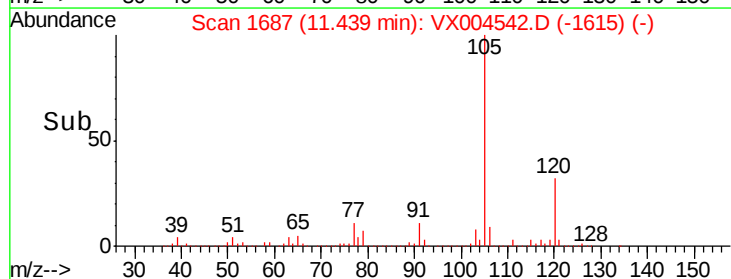
11.44

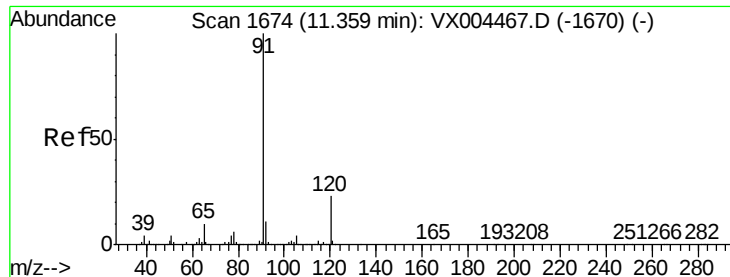
11.40

11.45

11.50

Time-->





#78

n-propylbenzene

Concen: 2.16 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

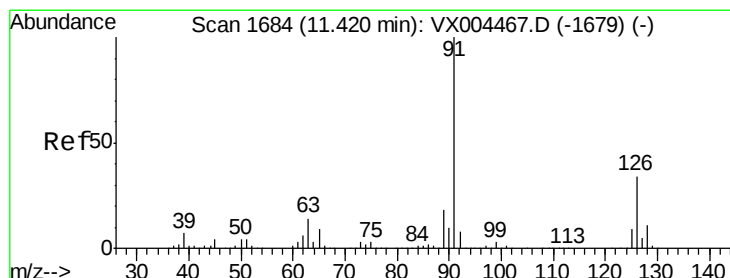
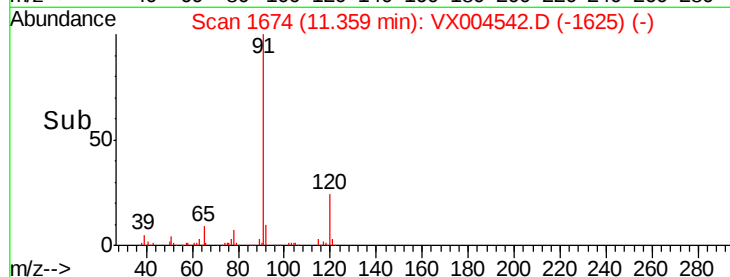
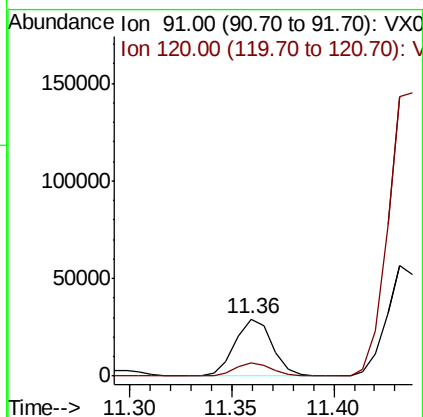
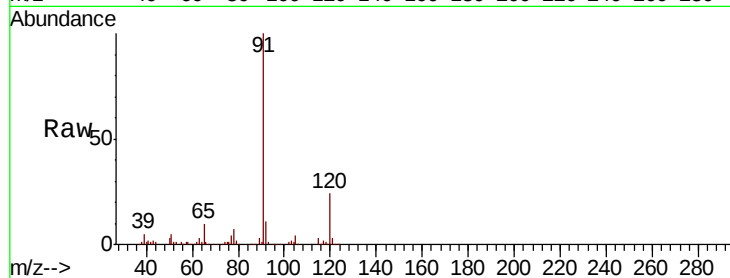
ROLLOFF01-COMP-FILL

Tot Ion: 91 Resp: 36790

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.9#



#79

2-Chlorotoluene

Concen: 9.80 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX004542.D

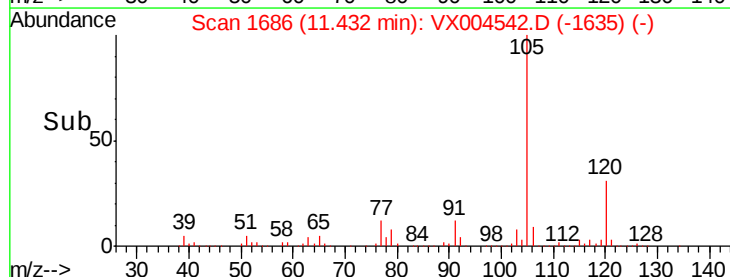
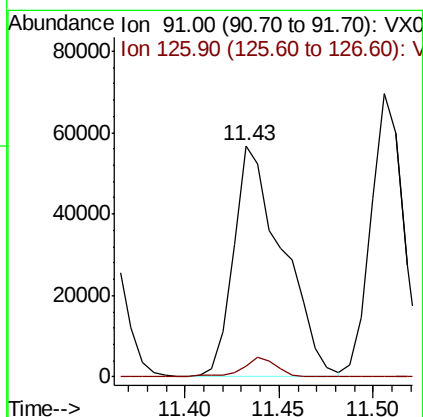
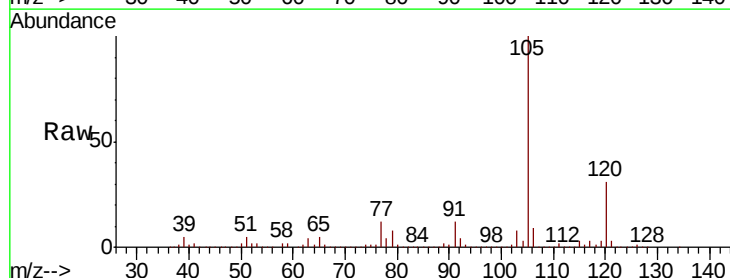
Acq: 14 Sep 2018 16:14

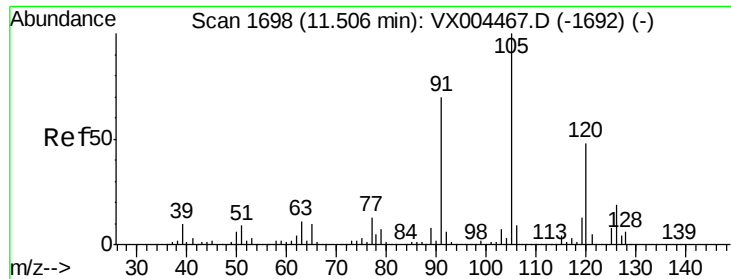
Tgt Ion: 91 Resp: 101274

Ion Ratio Lower Upper

91 100

126 6.3 17.9 53.7#

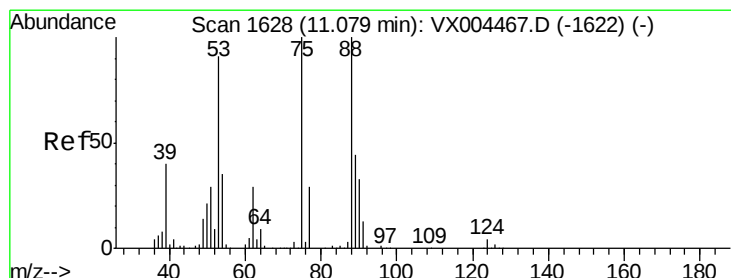
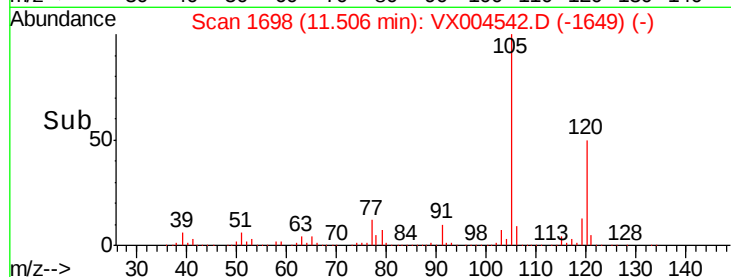
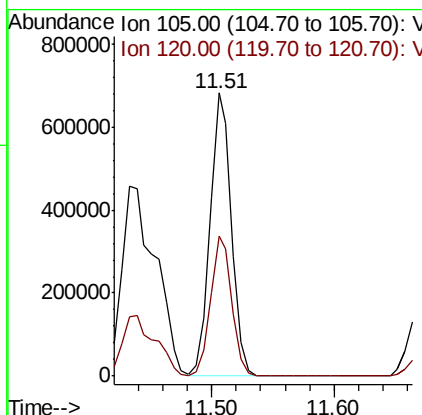
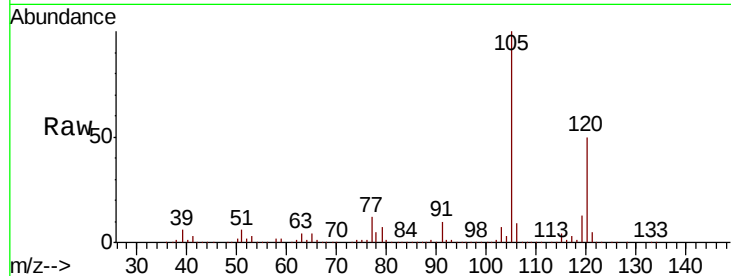




#80
 1,3,5-Trimethylbenzene
 Concen: 66.89 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

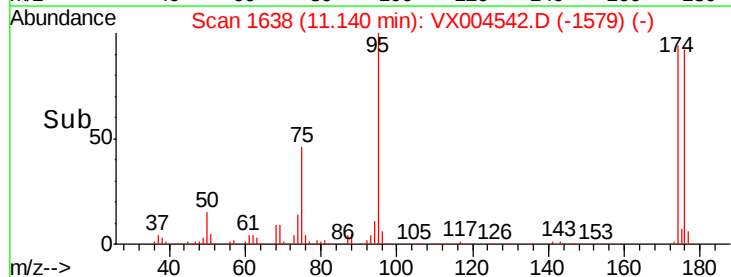
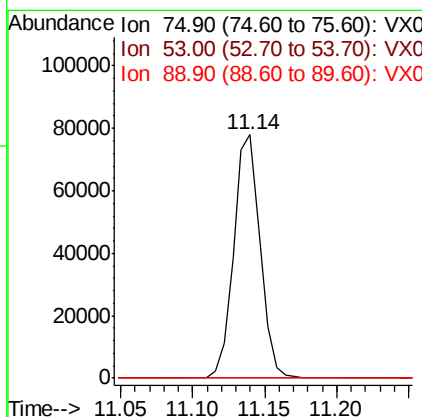
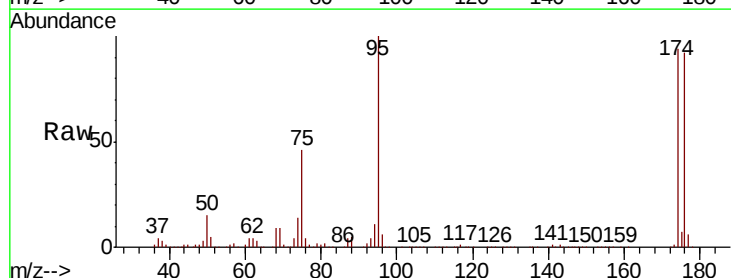
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF01-COMP-FILL

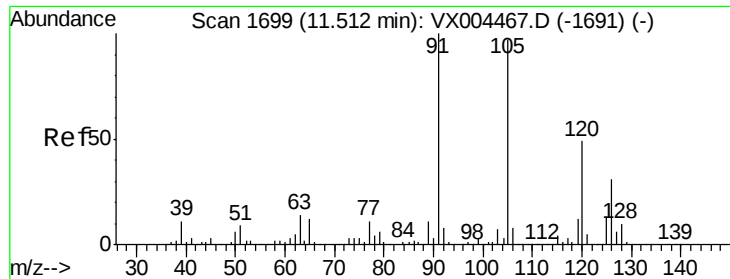
Tot Ion:105 Resp: 833645
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.19 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

Tgt Ion: 75 Resp: 99738
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

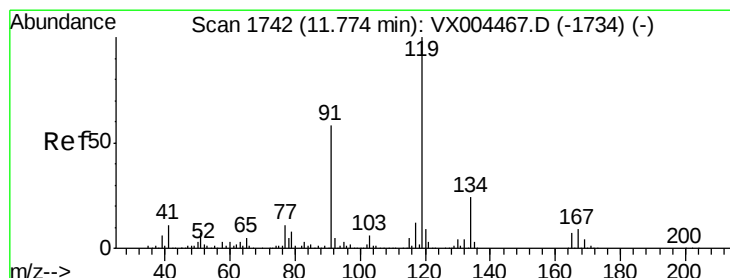
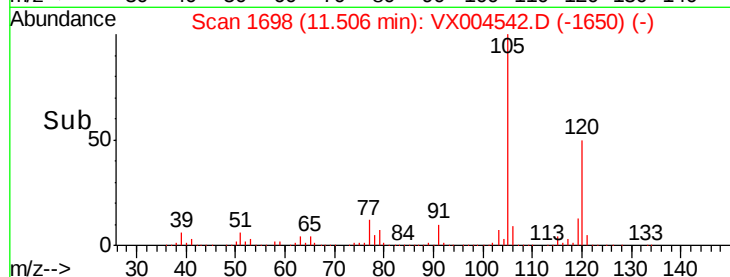
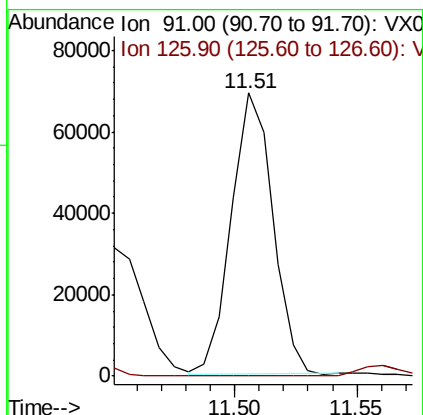
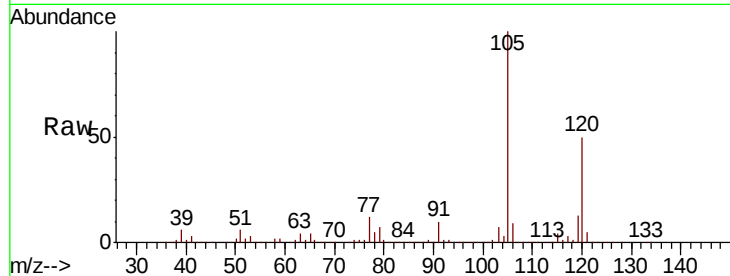




#82
4-Chlorotoluene
Concen: 6.74 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

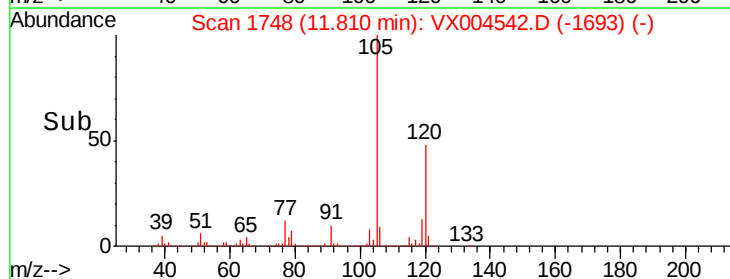
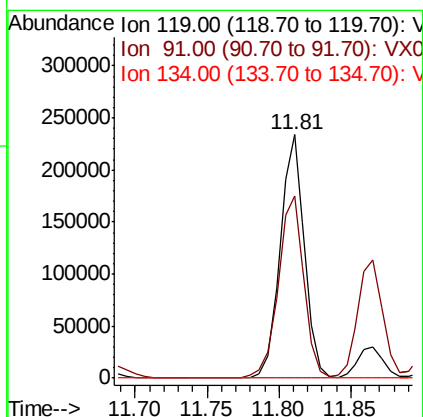
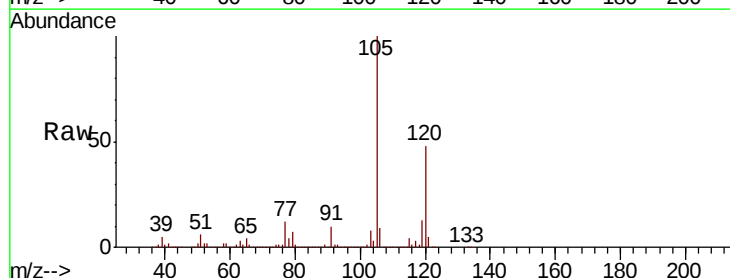
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

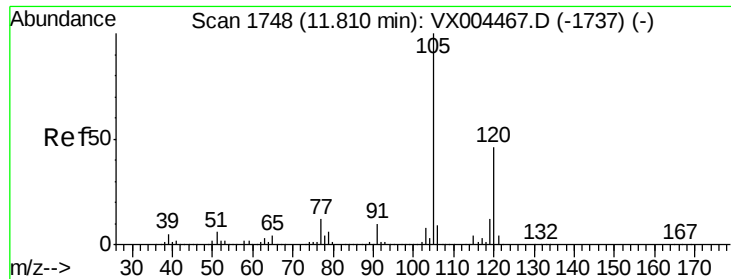
Tot Ion: 91 Resp: 81333
Ion Ratio Lower Upper
91 100
126 0.0 15.5 46.5#



#83
tert-Butylbenzene
Concen: 23.18 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 119 Resp: 275006
Ion Ratio Lower Upper
119 100
91 79.1 27.0 81.0
134 0.0 11.7 35.1#

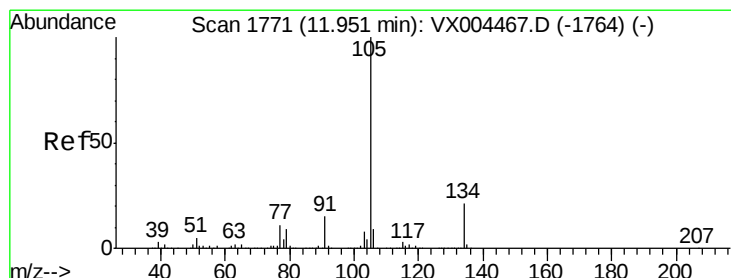
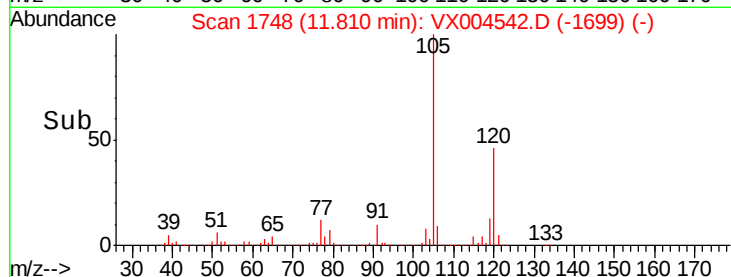
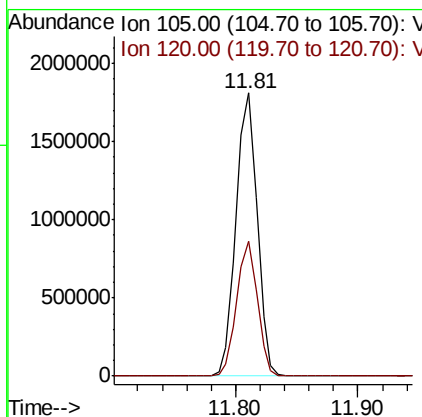
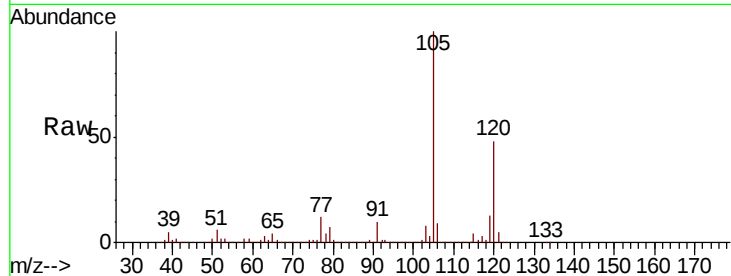




#84
 1,2,4-Trimethylbenzene
 Concen: 169.36 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

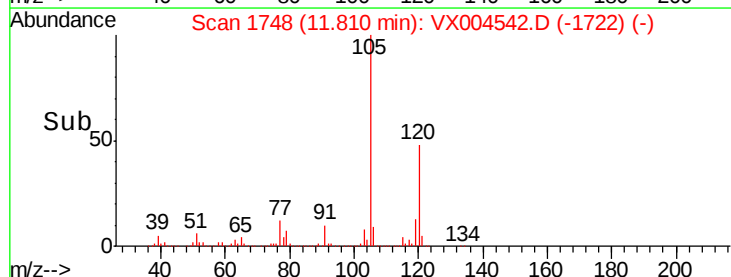
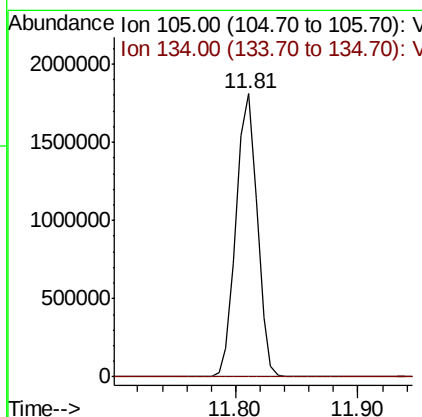
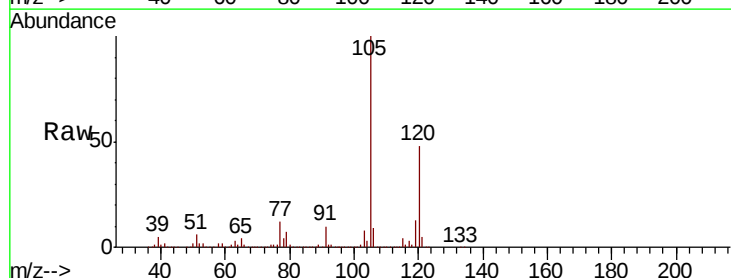
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF01-COMP-FILL

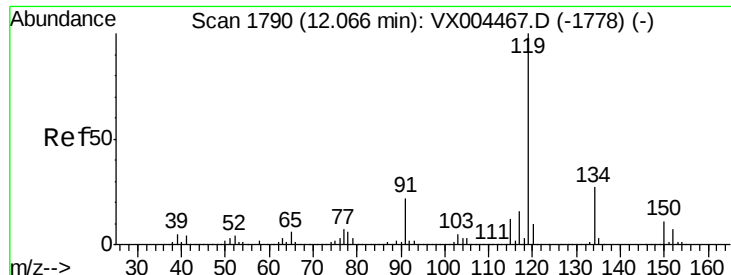
Tot Ion:105 Resp: 2155069
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 142.53 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.14 min
 Lab File: VX004542.D
 Acq: 14 Sep 2018 16:14

Tgt Ion:105 Resp: 2155069
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

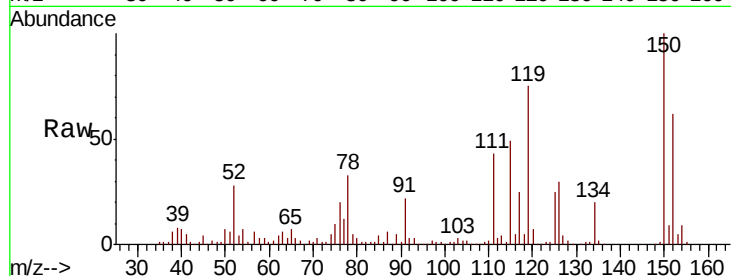




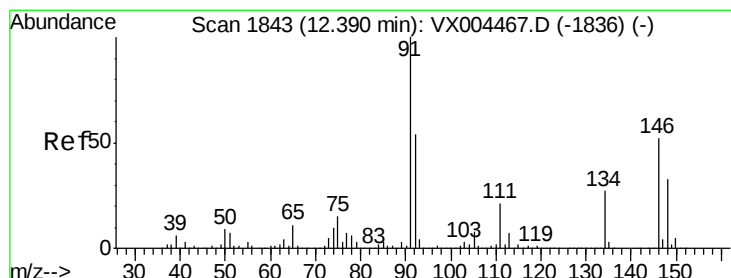
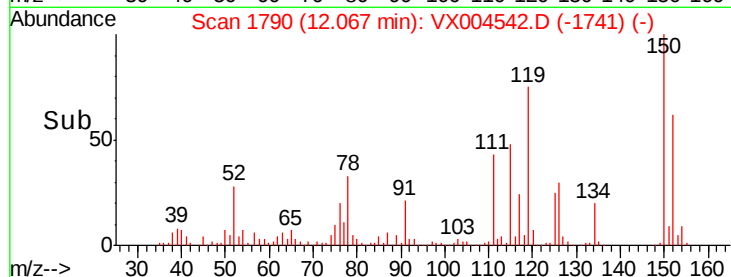
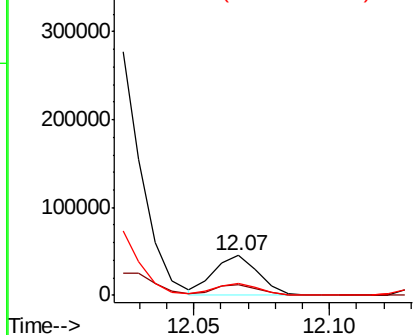
#86
p-Isopropyltoluene
Concen: 3.87 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF01-COMP-FILL

Tot Ion: 119 Resp: 51668
Ion Ratio Lower Upper
119 100
134 26.9 13.4 40.2
91 30.1 10.9 32.7

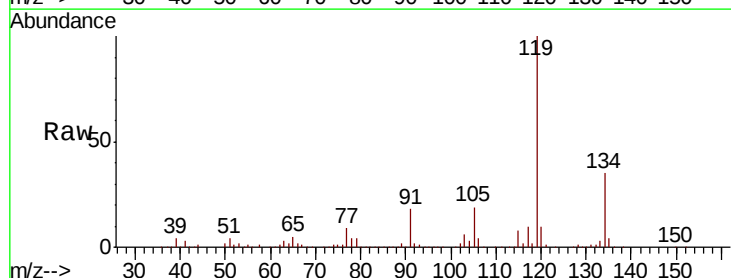


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

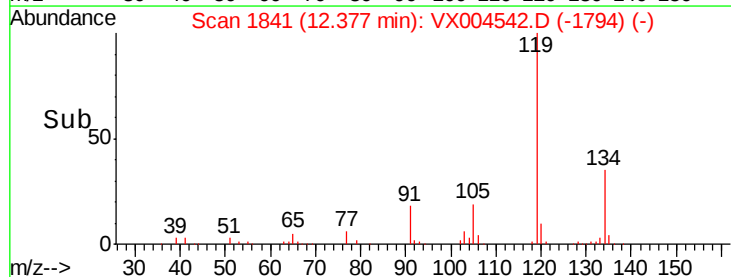
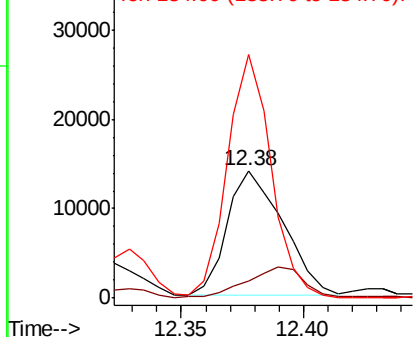


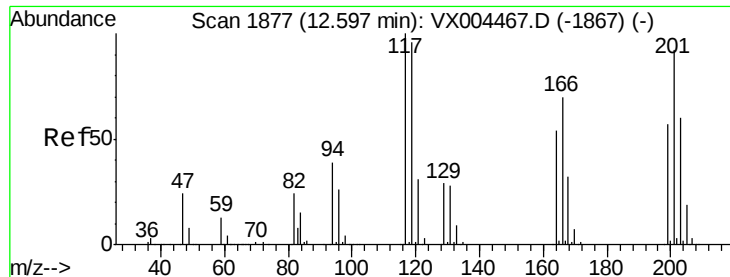
#89
n-Butylbenzene
Concen: 1.81 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX004542.D
Acq: 14 Sep 2018 16:14

Tgt Ion: 91 Resp: 22000
Ion Ratio Lower Upper
91 100
92 25.5 27.3 81.9#
134 155.0 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 871.75 ug/l

RT: 12.48 min Scan# 1858

Delta R.T. -0.12 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

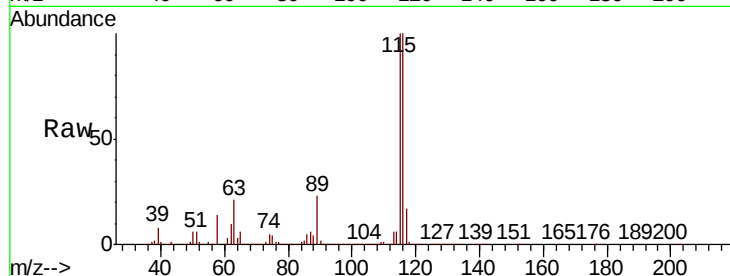
ROLLOFF01-COMP-FILL

Tot Ion:117 Resp: 1863414

Ion Ratio Lower Upper

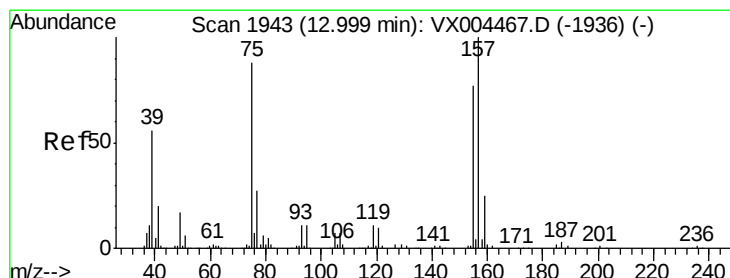
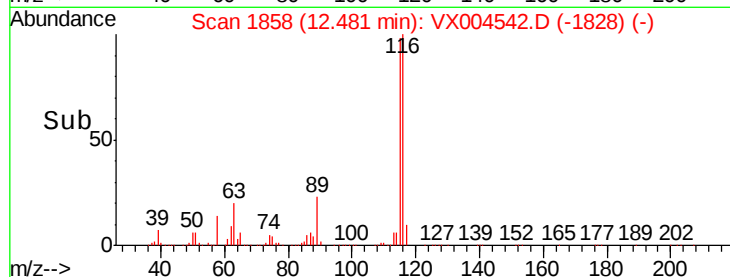
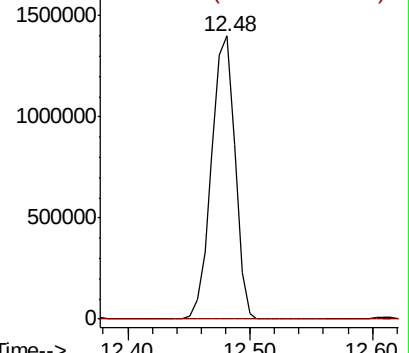
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 113.01 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX004542.D

Acq: 14 Sep 2018 16:14

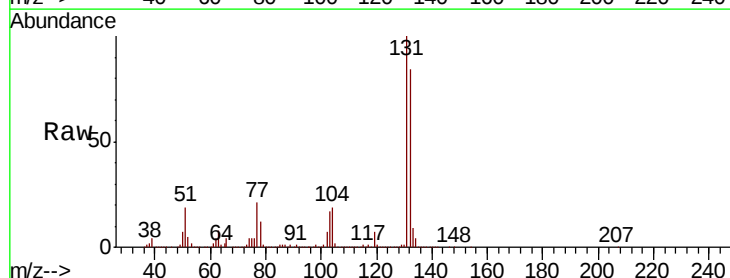
Tgt Ion: 75 Resp: 115391

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

