

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004563.D
 Acq On : 15 Sep 2018 04:56
 Operator : JC/MD
 Sample : J4925-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0252

Quant Time: Sep 15 06:07:56 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	256315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176881	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	158577	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.51	113	144802	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
50) Toluene-d8	8.71	98	520808	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	169297	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1338	0.40	ug/l #	81
5) Bromomethane	1.65	94	932	Below Cal	#	68
10) Methyl Iodide	2.52	142	496	4.39	ug/l #	82
11) Tert butyl alcohol	3.06	59	634	0.80	ug/l #	72
13) Acrolein	2.40	56	58316	187.33	ug/l #	74
14) Allyl chloride	2.84	41	166179	30.18	ug/l #	61
15) Acrylonitrile	3.17	53	29512	15.54	ug/l #	41
16) Acetone	2.40	43	163638	101.45	ug/l #	50
18) Methyl Acetate	2.84	43	449128	99.24	ug/l #	51
19) Methyl tert-butyl Ether	3.20	73	2174	0.23	ug/l #	1
20) Methylene Chloride	2.84	84	2226	0.67	ug/l #	1
25) 2-Butanone	4.54	43	17639	6.87	ug/l #	47
26) 2,2-Dichloropropane	4.39	77	6178	1.61	ug/l #	52
29) Tetrahydrofuran	5.24	42	3722	2.40	ug/l #	1
30) Chloroform	5.24	83	1850	0.34	ug/l #	1
31) Cyclohexane	5.57	56	376977	78.85	ug/l	97
36) 1,1-Dichloropropene	5.67	75	16587	3.90	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21881	5.26	ug/l #	16
39) Methylcyclohexane	7.46	83	547850	123.34	ug/l	97
41) Methacrylonitrile	4.89	41	705	0.26	ug/l #	46
43) Isopropyl Acetate	6.46	43	10982	1.71	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	4792	1.58	ug/l #	1
48) Methyl methacrylate	7.73	41	12466	3.92	ug/l #	52
51) 4-Methyl-2-Pentanone	8.66	43	14640	3.23	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	47306	14.77	ug/l #	20
56) Ethyl methacrylate	9.16	69	10017	2.21	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.25	63	100	7.31	ug/l #	45
59) 2-Hexanone	9.52	43	996	0.29	ug/l	80
73) Isopropylbenzene	11.02	105	73339	6.30	ug/l	100
74) N-amyl acetate	10.91	43	1464	0.30	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	2037	0.54	ug/l #	41
76) 1,2,3-Trichloropropane	11.14	75	79686	22.39	ug/l #	37
78) n-propylbenzene	11.36	91	76425	5.71	ug/l	98
79) 2-Chlorotoluene	11.36	91	76425	9.41	ug/l #	39

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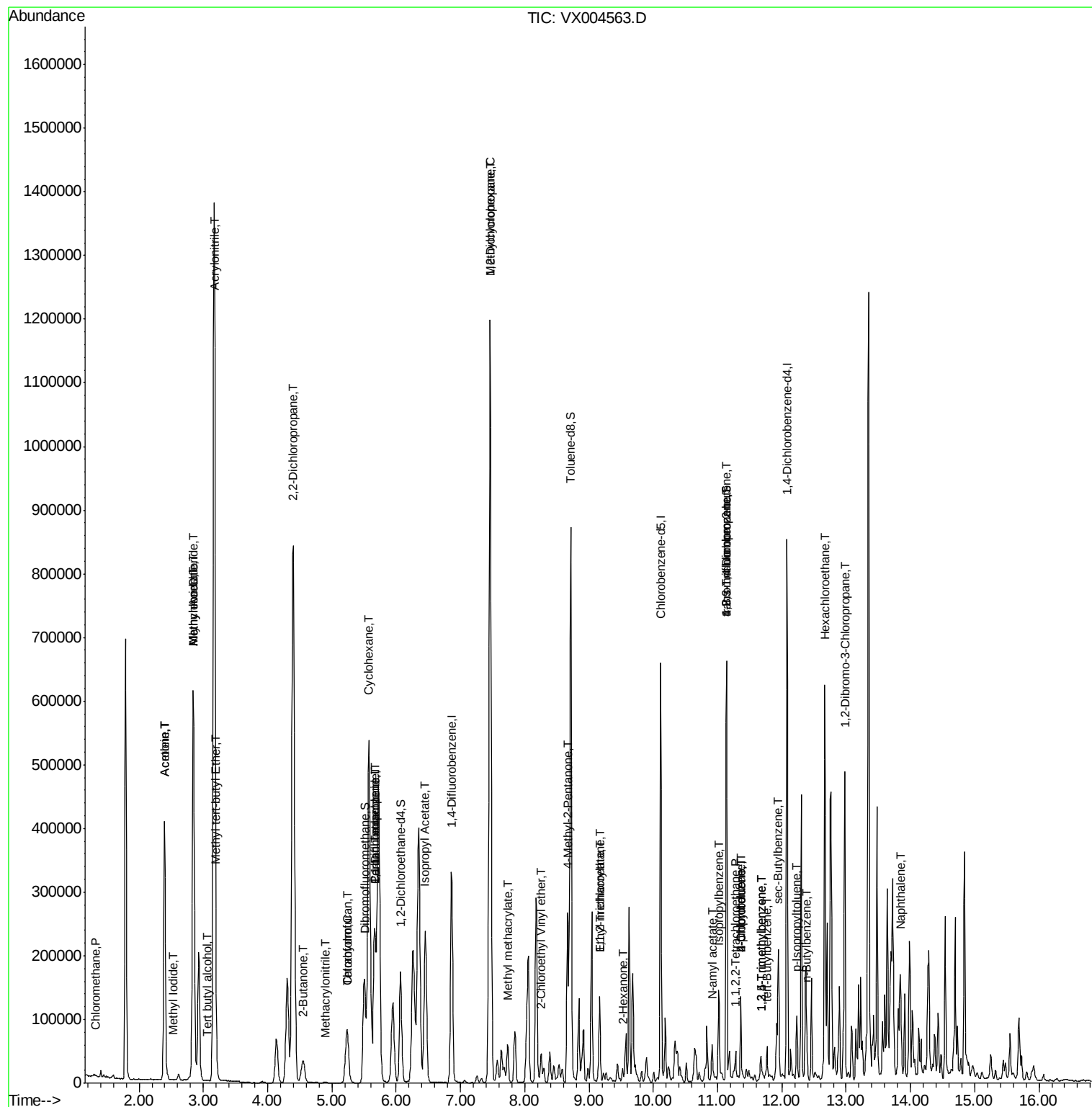
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.67	105	4021	0.41	ug/l	75
81) trans-1,4-Dichloro-2-buten	11.14	75	79686	71.37	ug/l #	9
82) 4-Chlorotoluene	11.36	91	76425	8.06	ug/l #	44
83) tert-Butylbenzene	11.77	119	18626	2.00	ug/l	89
84) 1,2,4-Trimethylbenzene	11.67	105	4021	0.40	ug/l	81
85) sec-Butylbenzene	11.94	105	104674	8.81	ug/l	81
86) p-Isopropyltoluene	12.23	119	43291	4.13	ug/l	96
89) n-Butylbenzene	12.39	91	33864	3.54	ug/l #	58
90) Hexachloroethane	12.67	117	26096	15.54	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1705	2.13	ug/l #	1
95) Naphthalene	13.83	128	98010	8.12	ug/l	95

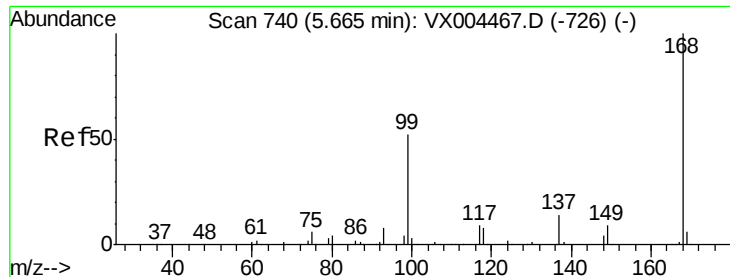
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

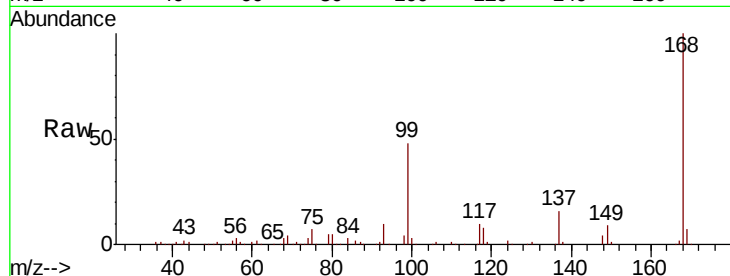
S13-0252

Tot Ion:168 Resp: 256315

Ion Ratio Lower Upper

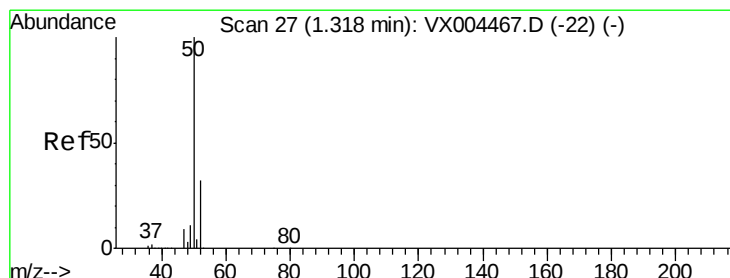
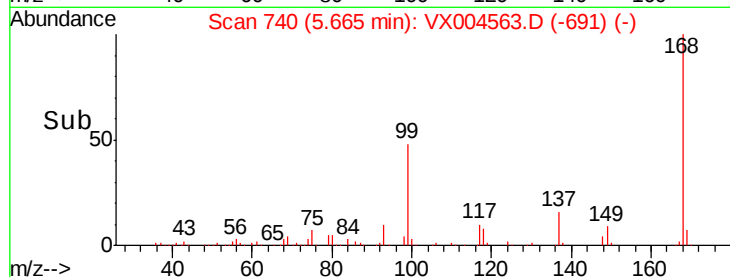
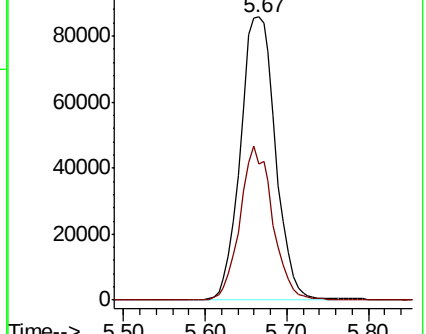
168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.40 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004563.D

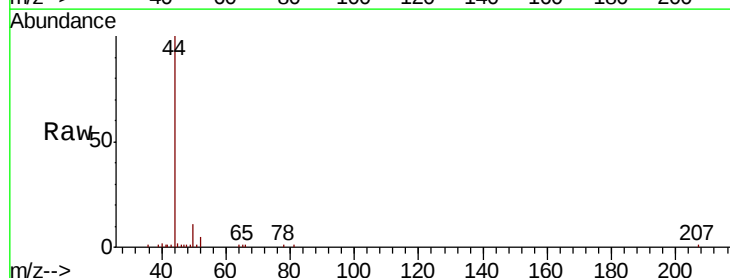
Acq: 15 Sep 2018 04:56

Tgt Ion: 50 Resp: 1338

Ion Ratio Lower Upper

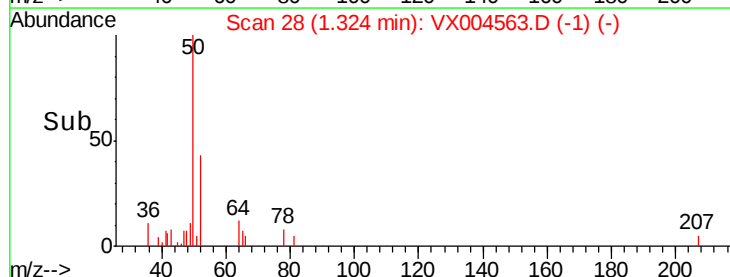
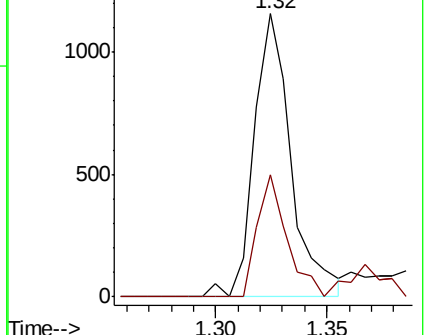
50 100

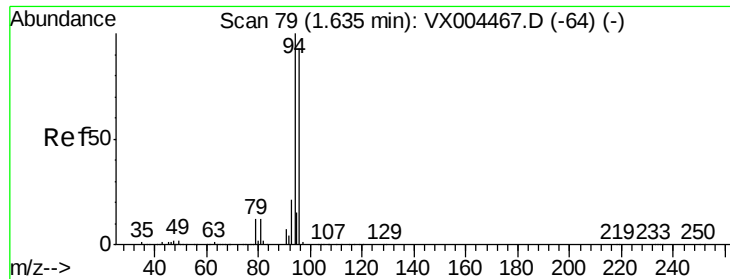
52 43.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

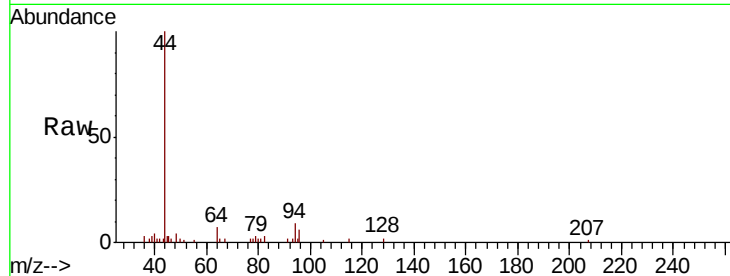
S13-0252

Tot Ion: 94 Resp: 932

Ion Ratio Lower Upper

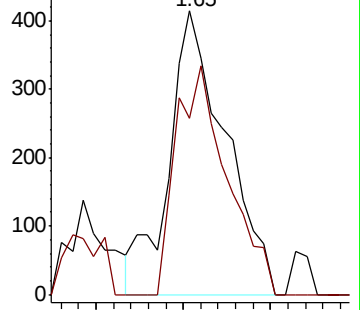
94 100

96 62.1 74.5 111.7#

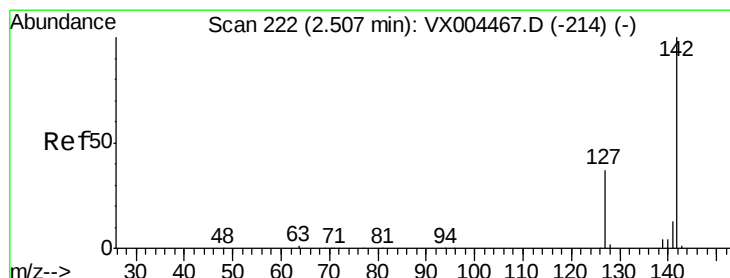
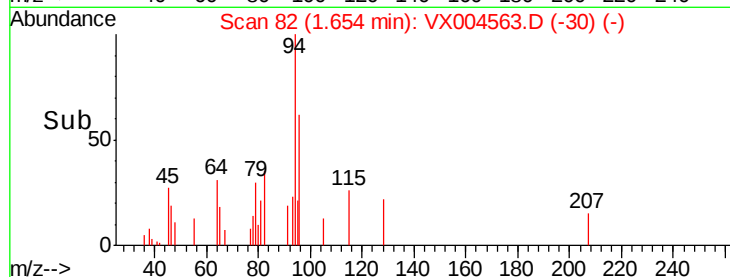


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.39 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

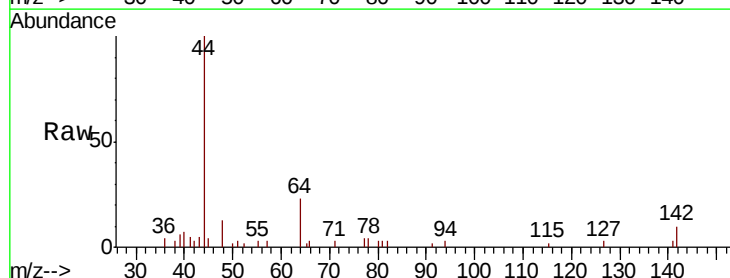
Tgt Ion: 142 Resp: 496

Ion Ratio Lower Upper

142 100

127 29.8 33.8 50.6#

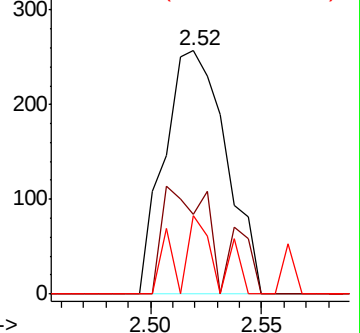
141 20.0 11.4 17.0#



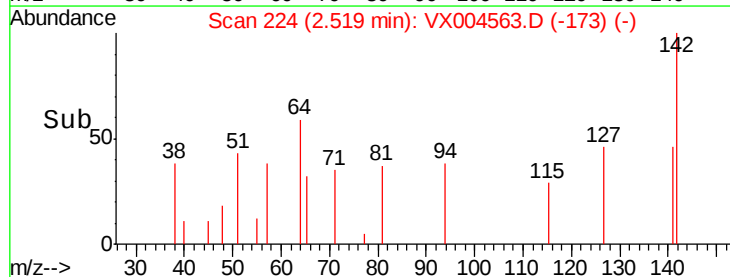
Abundance Ion 141.80 (141.50 to 142.50): V

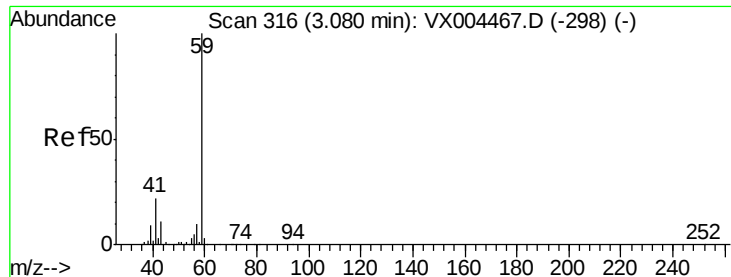
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

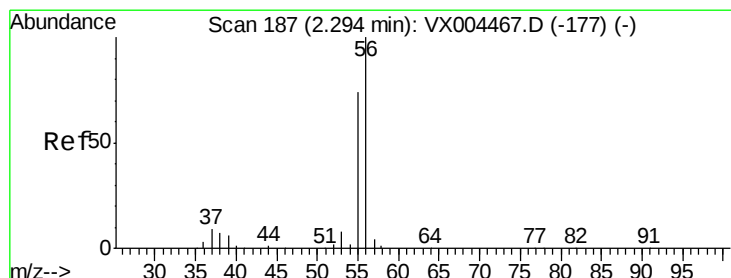
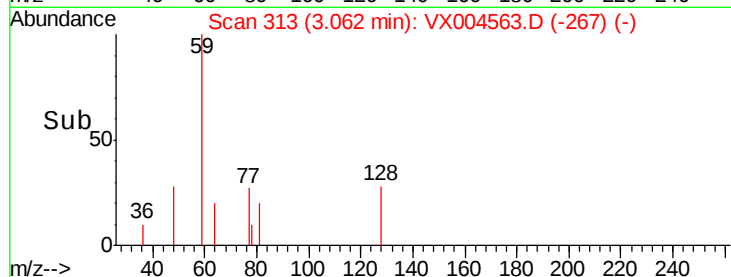
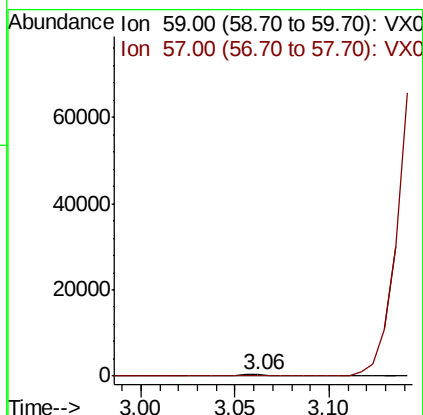
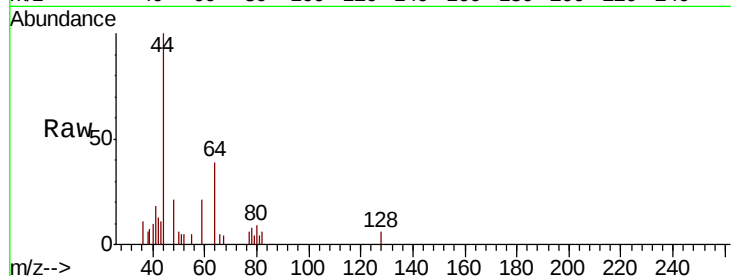




#11
Tert butyl alcohol
Concen: 0.80 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

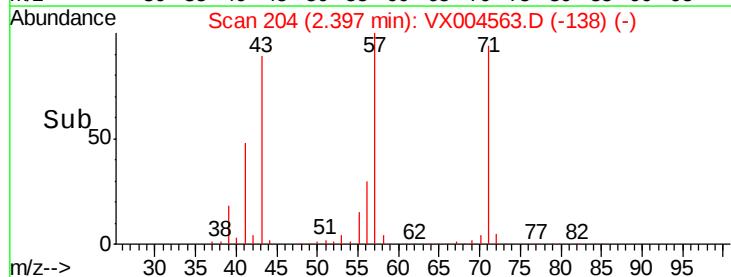
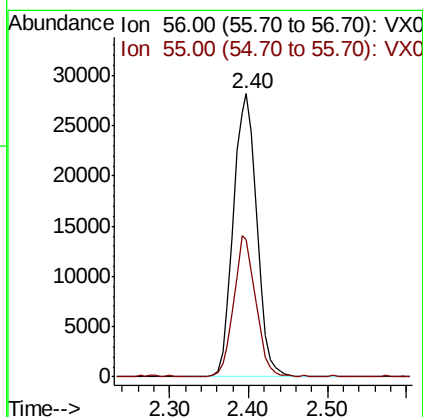
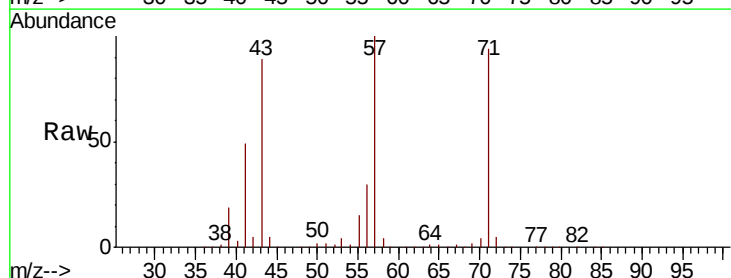
Instrument :
MSVOA_X
ClientSampleId :
S13-0252

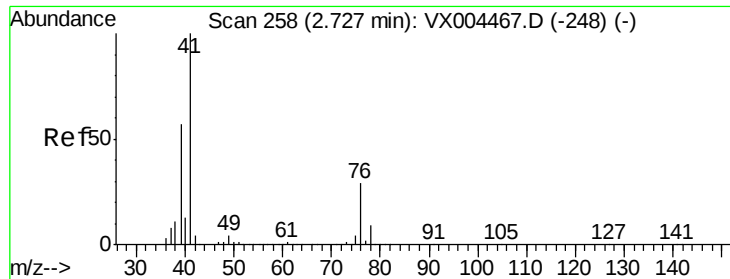
Tot Ion: 59 Resp: 634
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 187.33 ug/l
RT: 2.40 min Scan# 204
Delta R.T. 0.10 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion: 56 Resp: 58316
Ion Ratio Lower Upper
56 100
55 47.2 54.7 82.1#





#14

Allvl chloride

Concen: 30.18 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

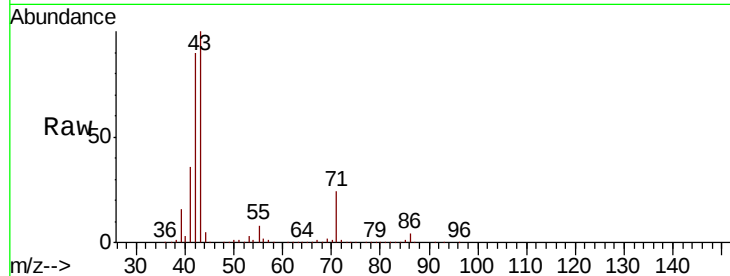
Tot Ion: 41 Resp: 166179

Ion Ratio Lower Upper

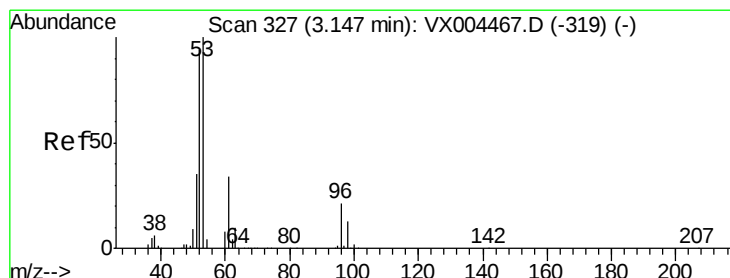
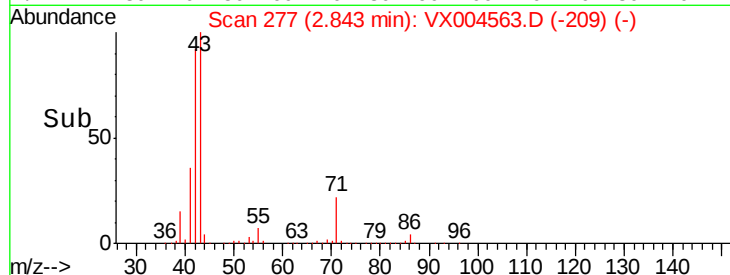
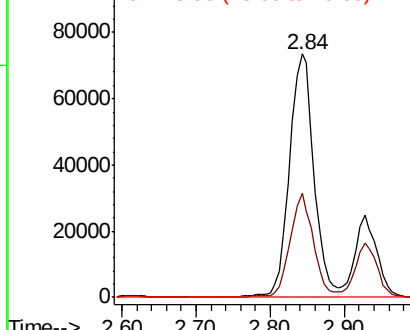
41 100

39 39.7 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: 15.54 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

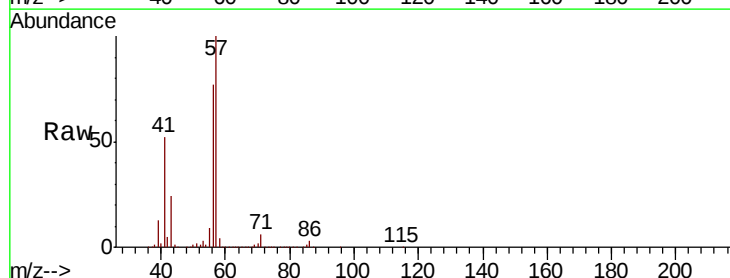
Tgt Ion: 53 Resp: 29512

Ion Ratio Lower Upper

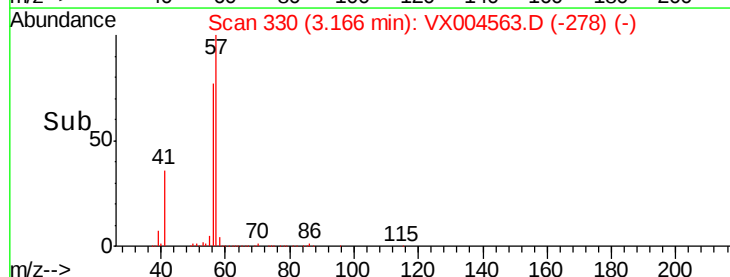
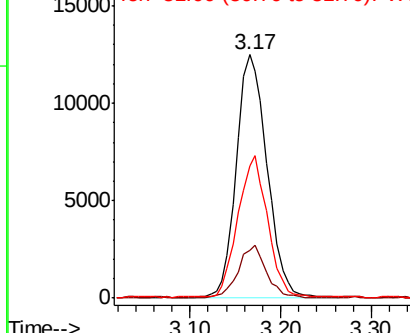
53 100

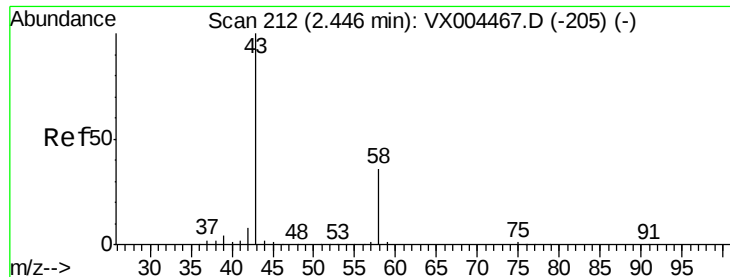
52 20.0 65.2 97.8#

51 55.6 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: 101.45 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

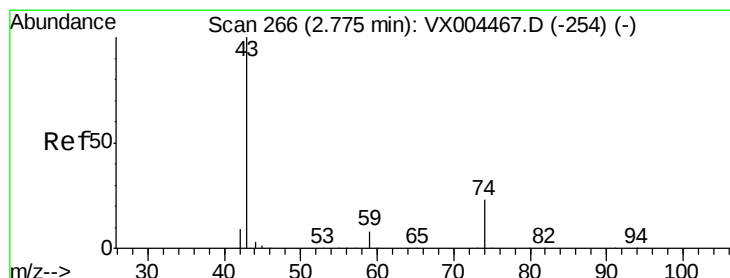
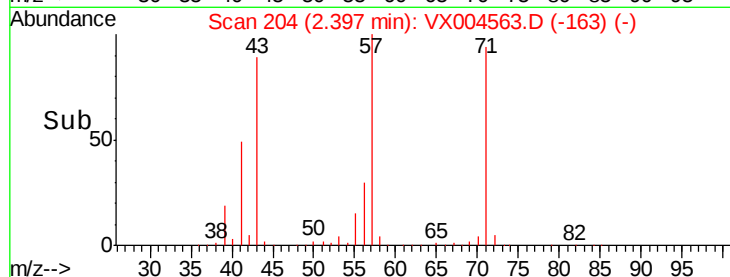
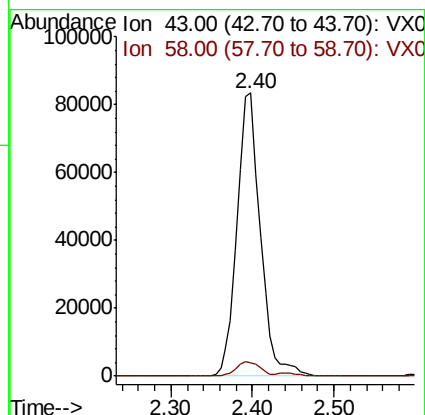
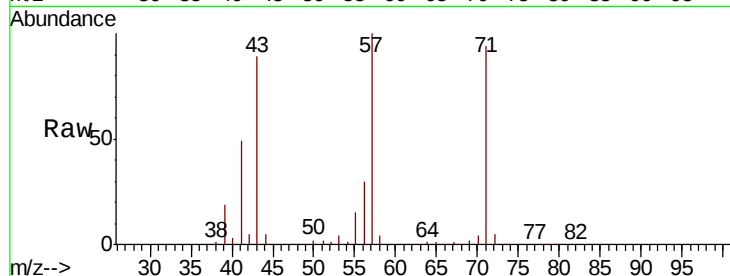
S13-0252

Tot Ion: 43 Resp: 163638

Ion Ratio Lower Upper

43 100

58 4.6 26.2 39.4#



#18

Methyl Acetate

Concen: 99.24 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX004563.D

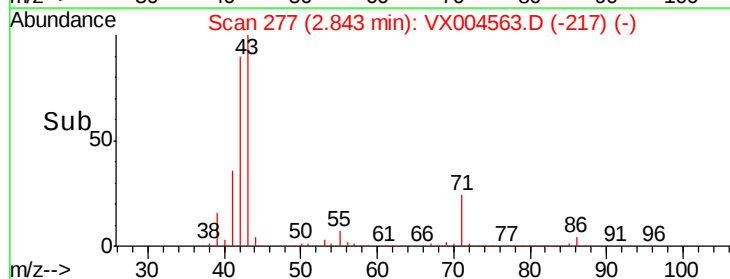
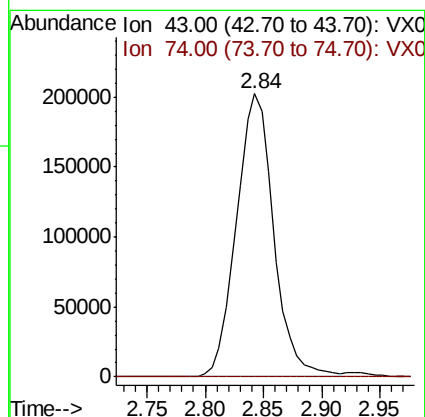
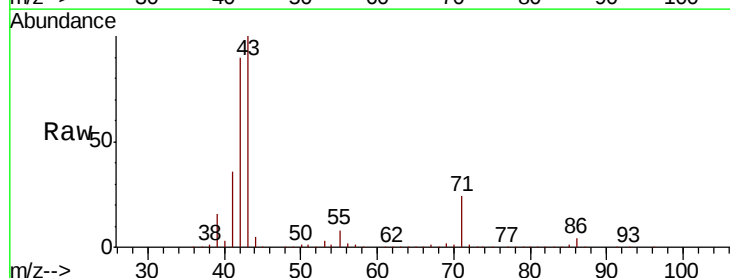
Acq: 15 Sep 2018 04:56

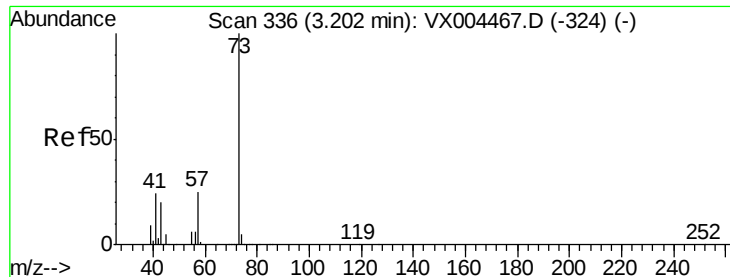
Tgt Ion: 43 Resp: 449128

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#





#19

Methvl tert-butvl Ether

Concen: 0.23 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

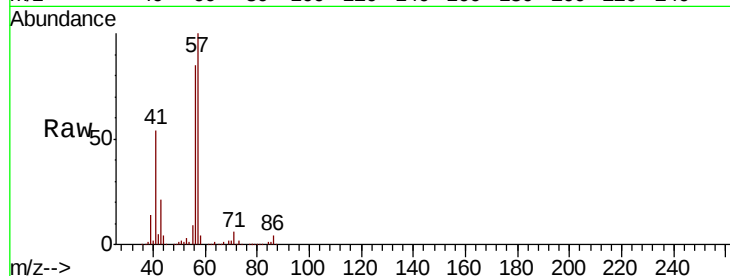
S13-0252

Tot Ion: 73 Resp: 2174

Ion Ratio Lower Upper

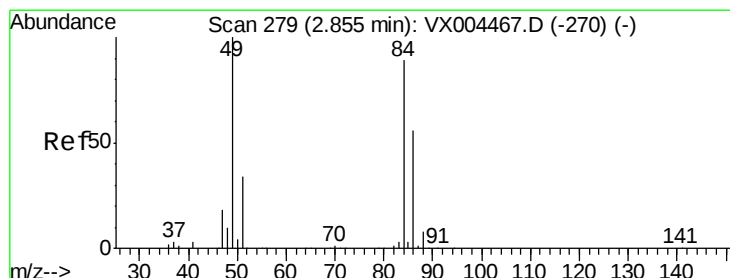
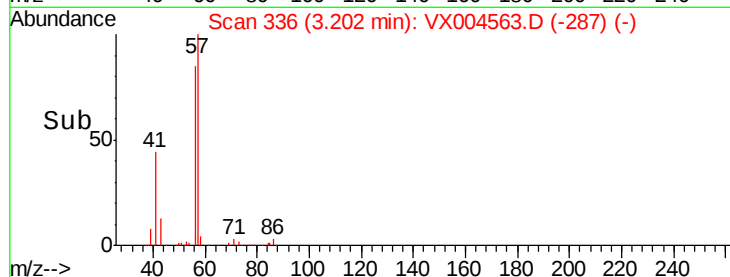
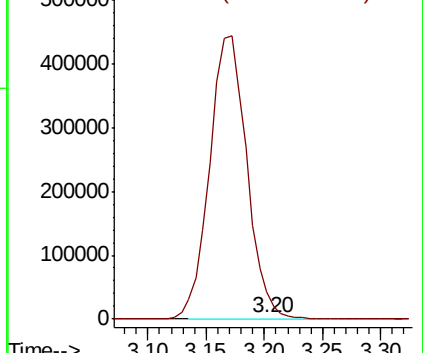
73 100

57 4853.8 17.1 25.7#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 0.67 ug/l

RT: 2.84 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Tgt Ion: 84 Resp: 2226

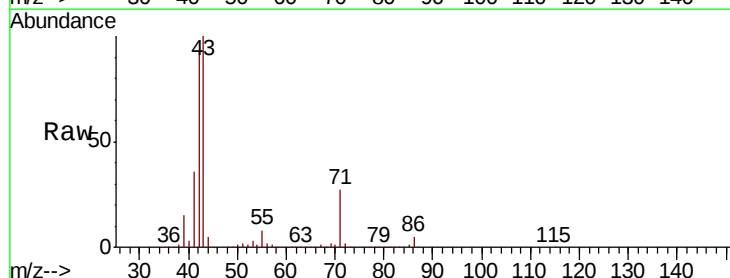
Ion Ratio Lower Upper

84 100

49 37.8 101.2 151.8#

51 315.0 29.5 44.3#

86 978.4 52.3 78.5#

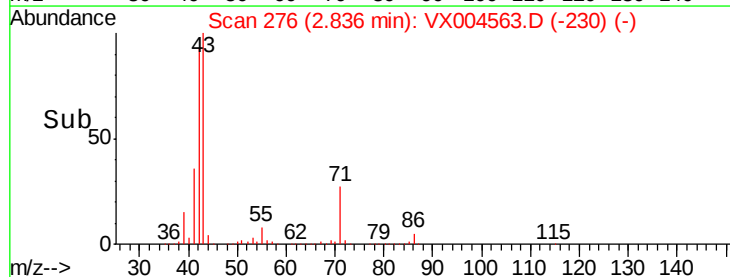
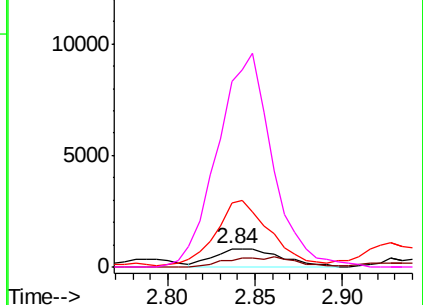


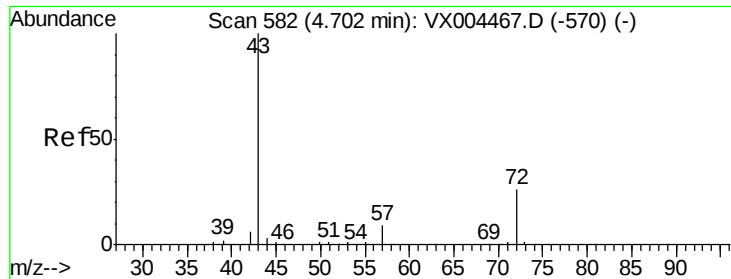
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 6.87 ug/l

RT: 4.54 min Scan# 556

Delta R.T. -0.16 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

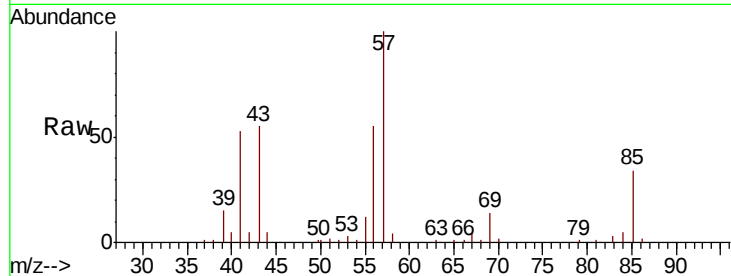
S13-0252

Tot Ion: 43 Resp: 17639

Ion Ratio Lower Upper

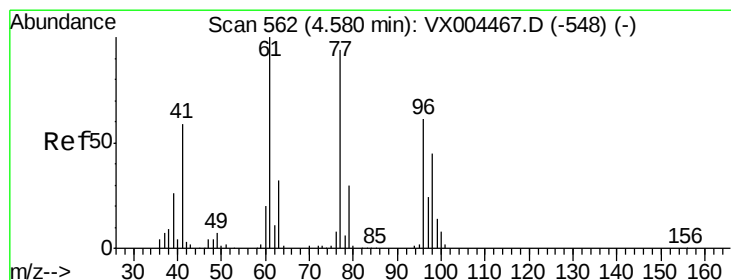
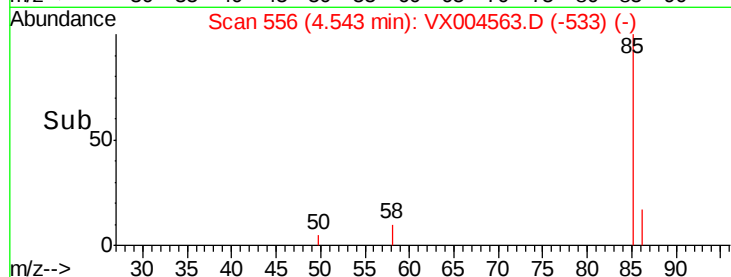
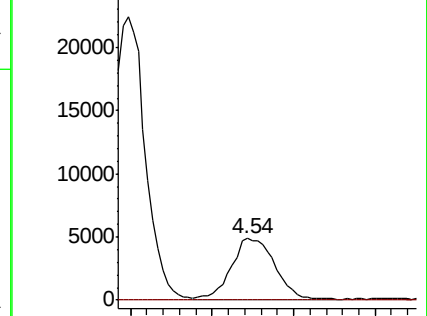
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.61 ug/l

RT: 4.39 min Scan# 531

Delta R.T. -0.19 min

Lab File: VX004563.D

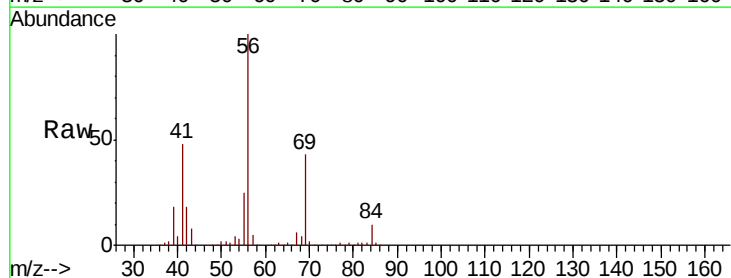
Acq: 15 Sep 2018 04:56

Tgt Ion: 77 Resp: 6178

Ion Ratio Lower Upper

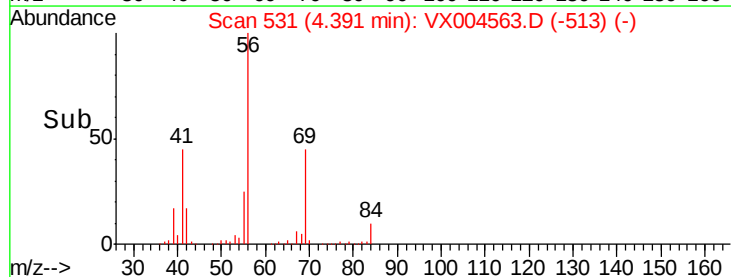
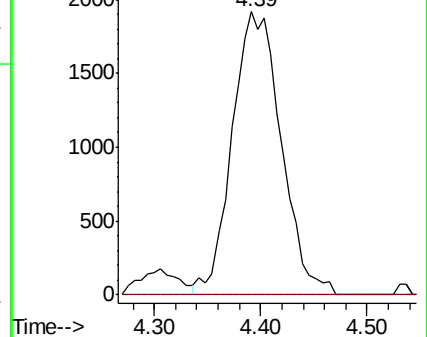
77 100

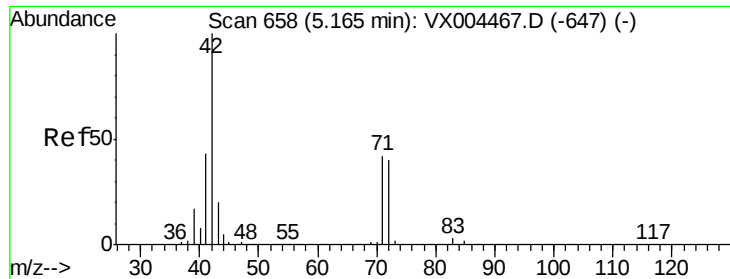
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 2.40 ug/l

RT: 5.24 min Scan# 670

Delta R.T. 0.07 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

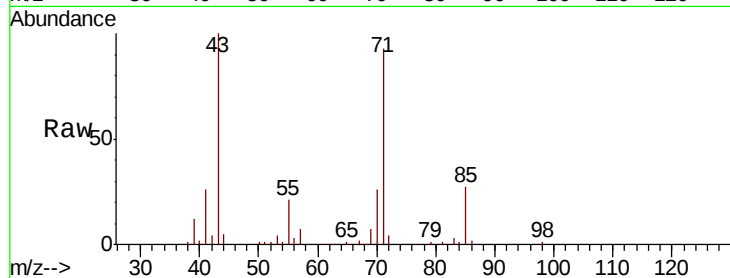
Tot Ion: 42 Resp: 3722

Ion Ratio Lower Upper

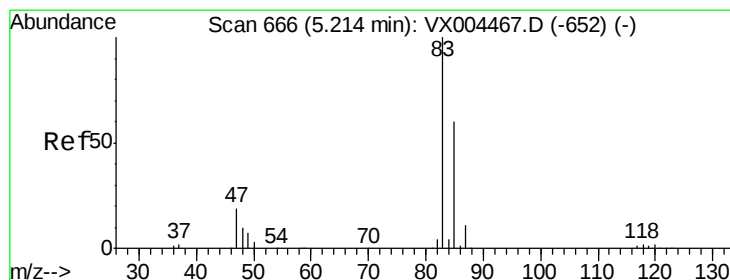
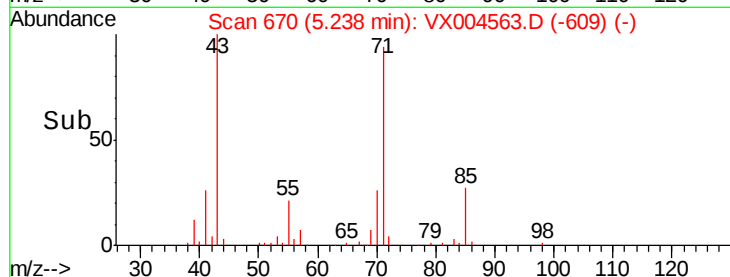
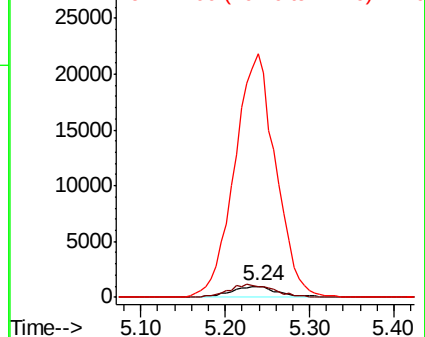
42 100

72 112.7 37.4 56.0#

71 1941.8 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: 0.34 ug/l

RT: 5.24 min Scan# 670

Delta R.T. 0.02 min

Lab File: VX004563.D

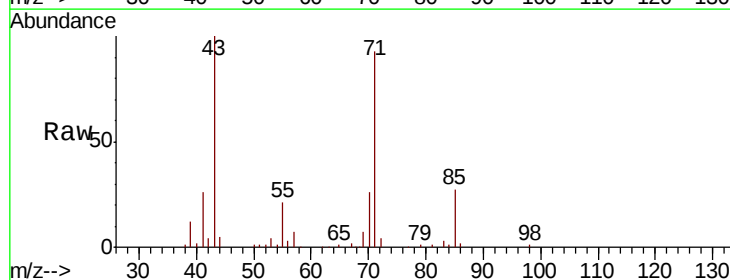
Acq: 15 Sep 2018 04:56

Tgt Ion: 83 Resp: 1850

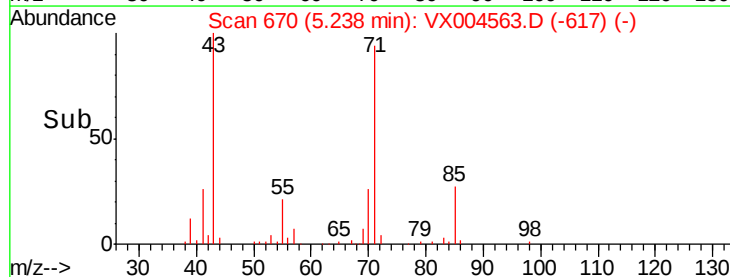
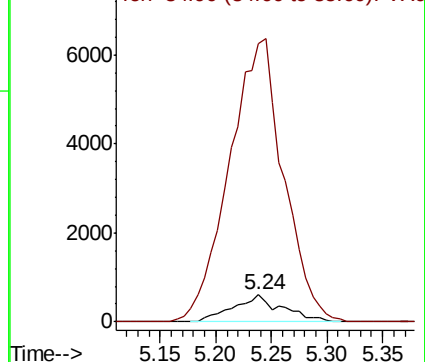
Ion Ratio Lower Upper

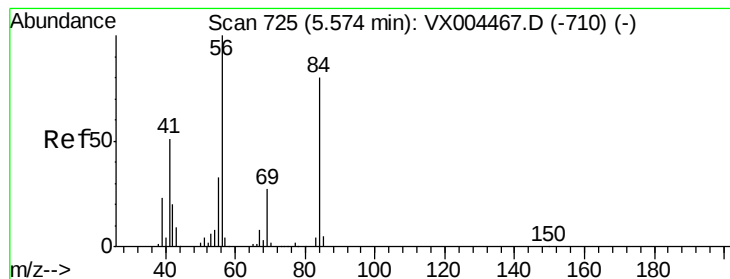
83 100

85 1027.6 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 78.85 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

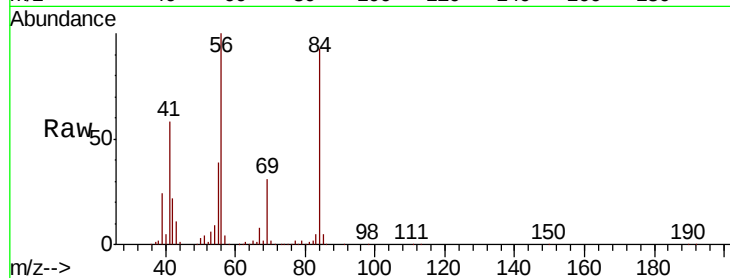
Tot Ion: 56 Resp: 376977

Ion Ratio Lower Upper

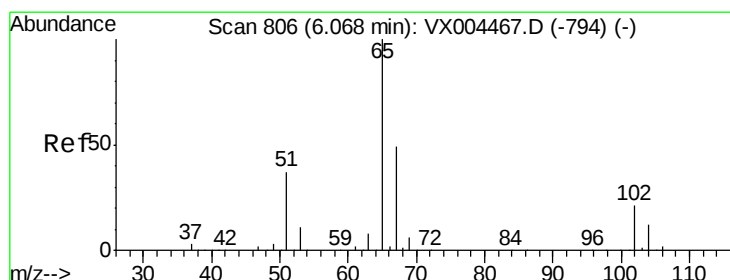
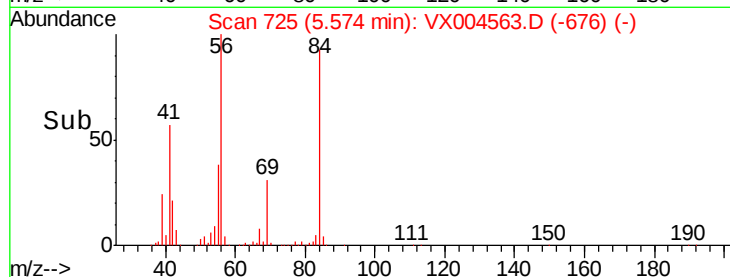
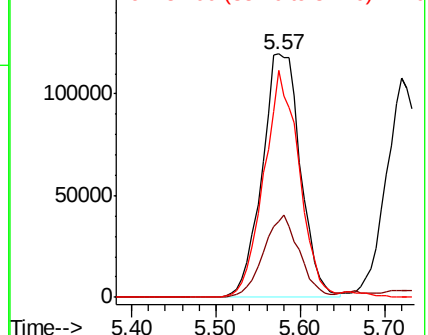
56 100

69 31.2 25.4 38.2

84 93.2 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.98 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004563.D

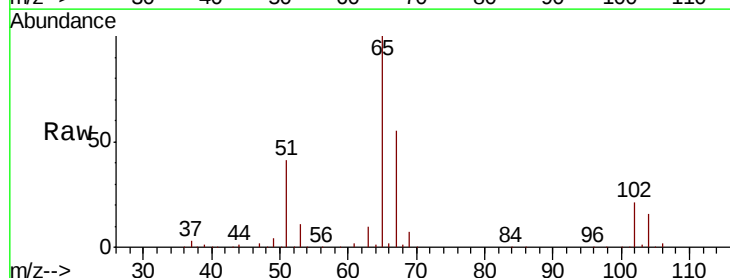
Acq: 15 Sep 2018 04:56

Tgt Ion: 65 Resp: 158577

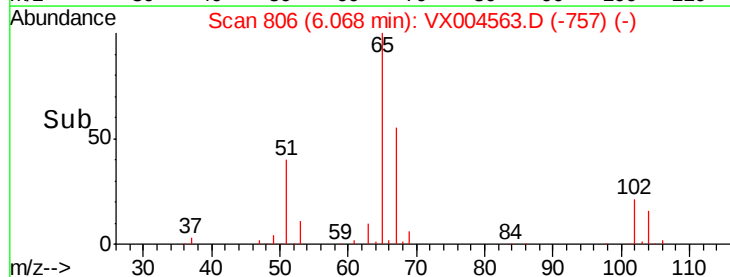
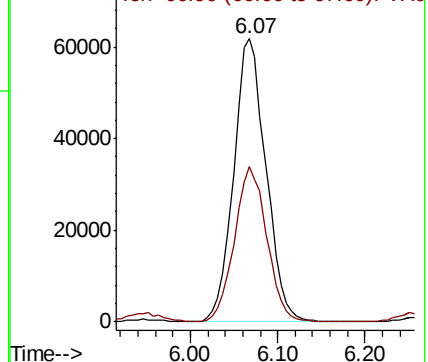
Ion Ratio Lower Upper

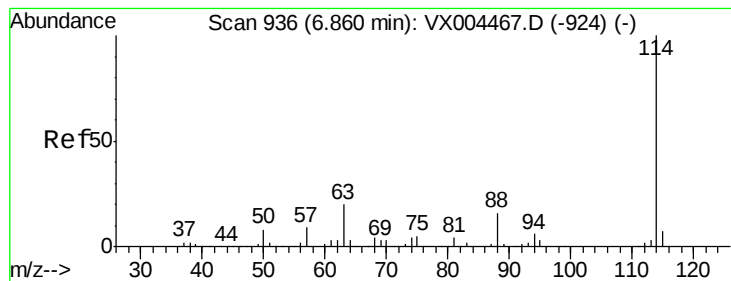
65 100

67 54.5 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: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

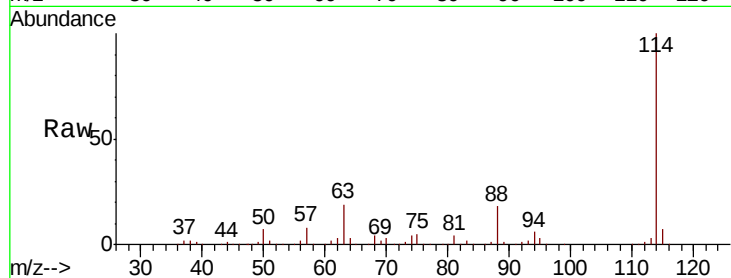
Tot Ion:114 Resp: 350597

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.0

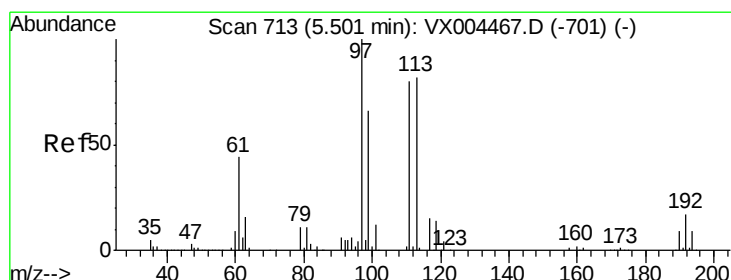
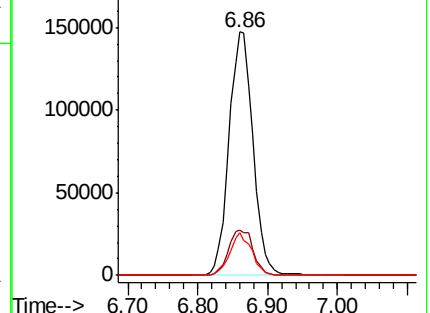
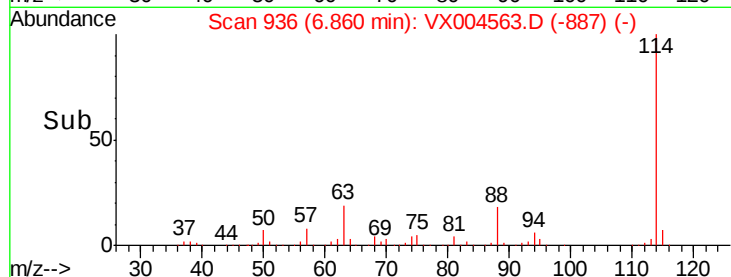
88 17.7 0.0 30.4



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: 45.13 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

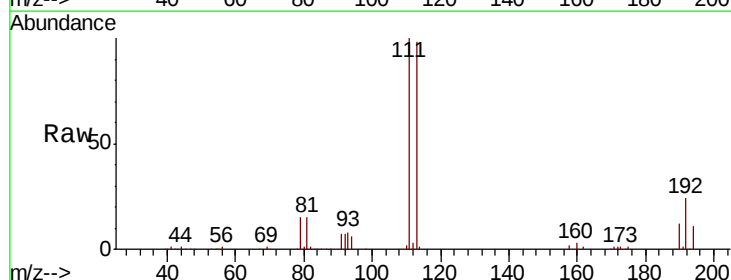
Tgt Ion:113 Resp: 144802

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

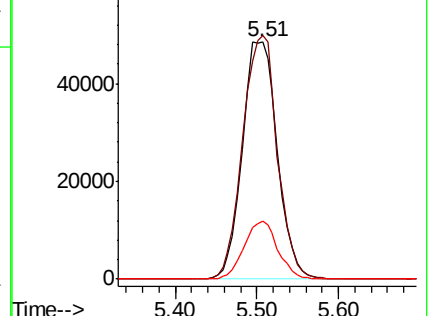
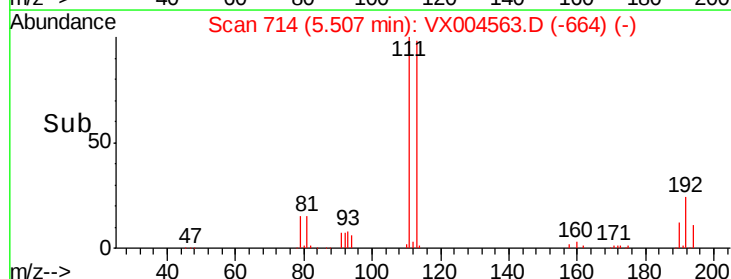
192 23.5 19.4 29.2

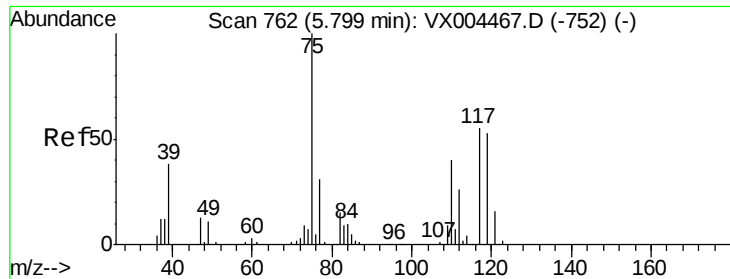


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

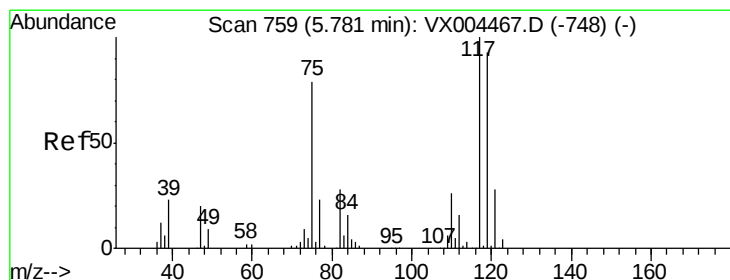
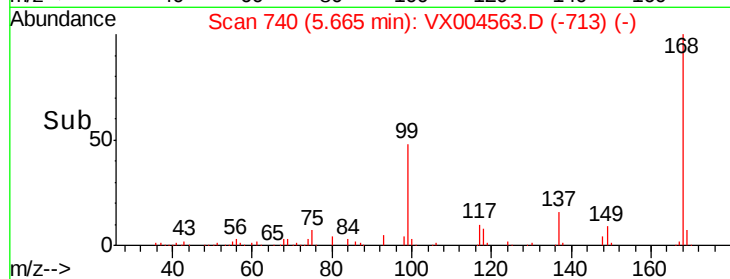
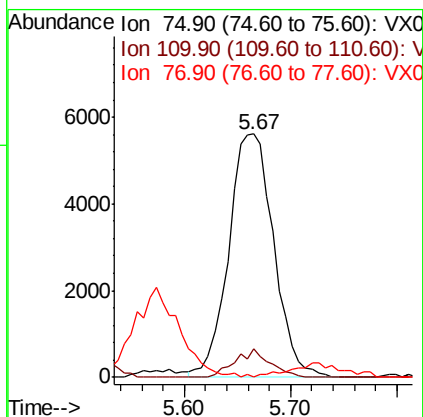
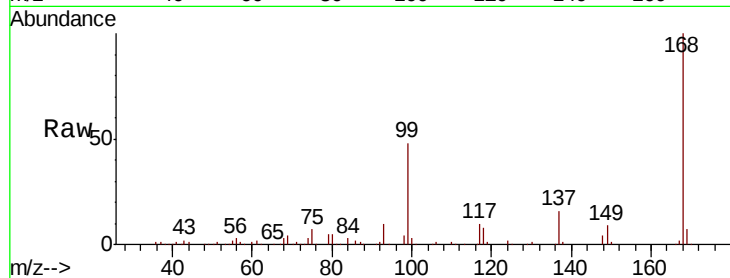




#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

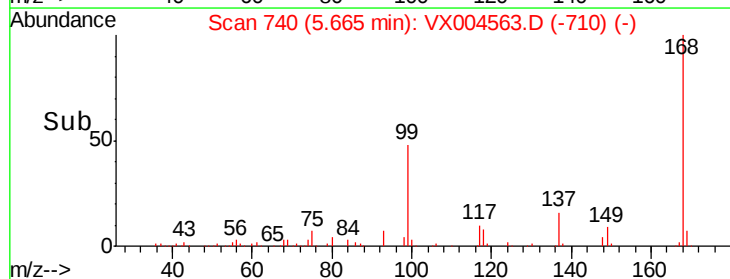
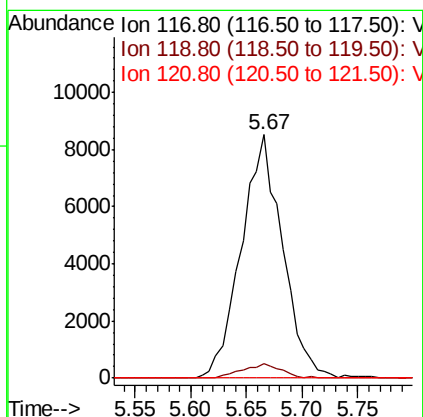
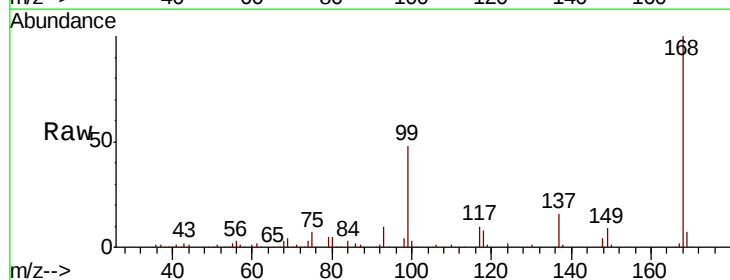
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0252

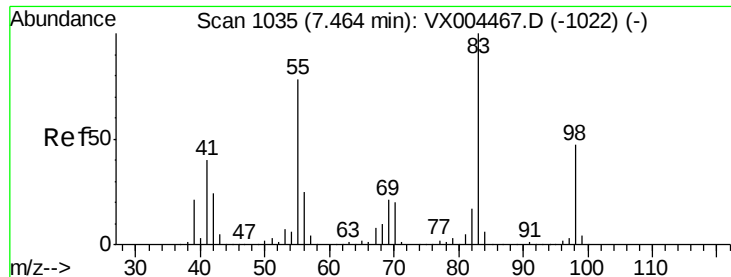
Tot Ion	75	Resp	16587
Ion Ratio	Lower	Upper	
75	100		
110	9.2	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.26 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

Tgt Ion	117	Resp	21881
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	6.0	78.8	118.2#
121	0.0	24.9	37.3#

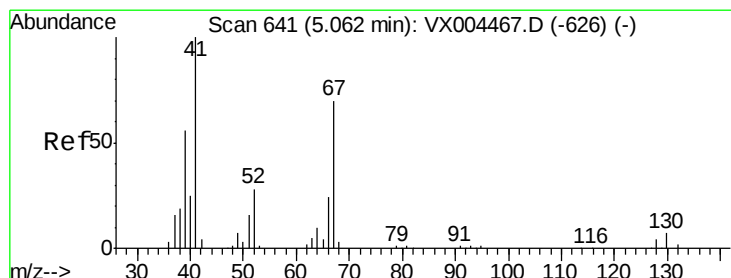
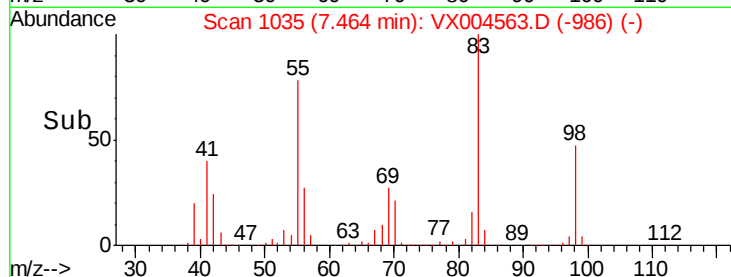
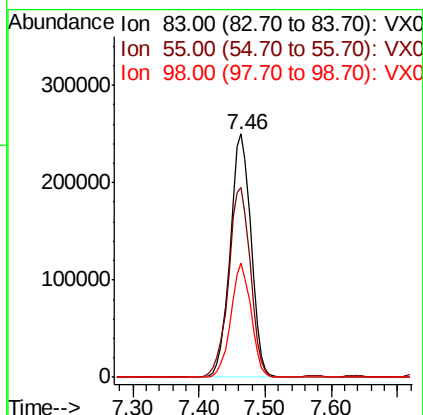
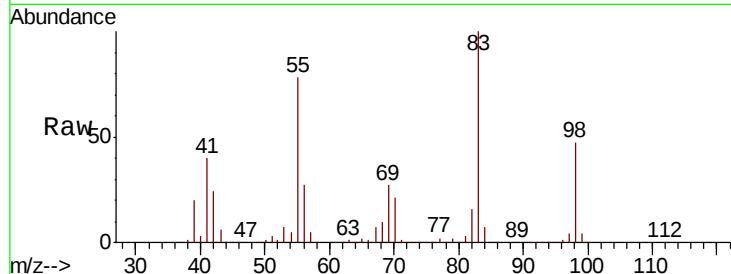




#39
Methylvlcyclohexane
Concen: 123.34 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

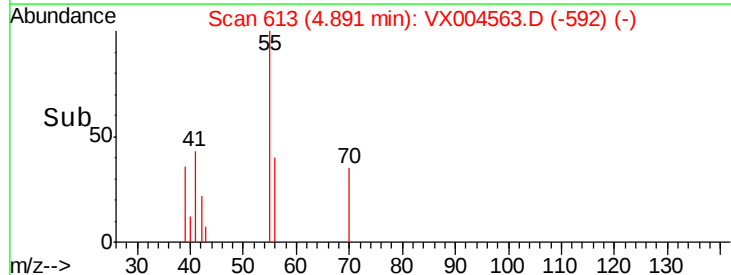
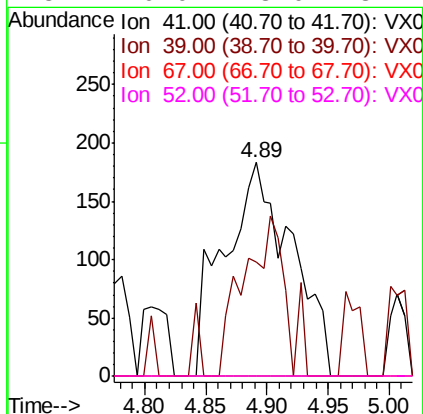
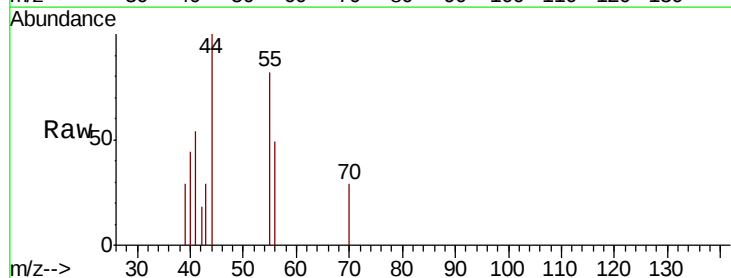
Instrument :
MSVOA_X
ClientSampleId :
S13-0252

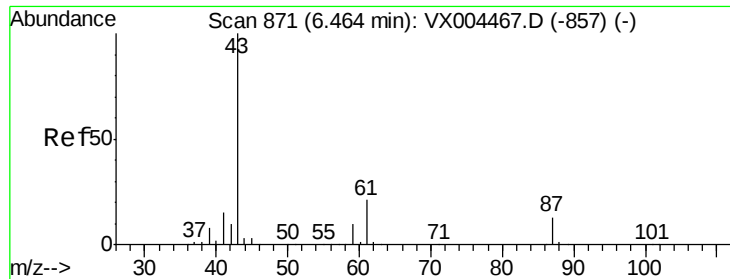
Tot Ion: 83 Resp: 547850
Ion Ratio Lower Upper
83 100
55 77.8 61.0 91.4
98 46.8 39.6 59.4



#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 4.89 min Scan# 613
Delta R.T. -0.17 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion: 41 Resp: 705
Ion Ratio Lower Upper
41 100
39 47.2 42.4 63.6
67 0.0 59.2 88.8#
52 0.0 23.0 34.4#





#43

Isopropyl Acetate

Concen: 1.71 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

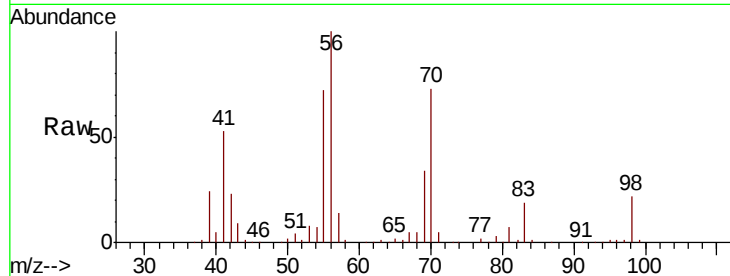
Tot Ion: 43 Resp: 10982

Ion Ratio Lower Upper

43 100

61 2.3 17.0 25.4#

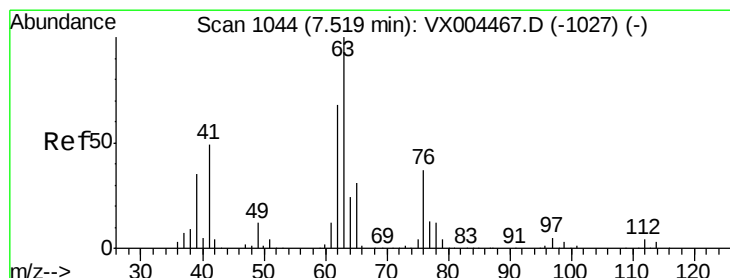
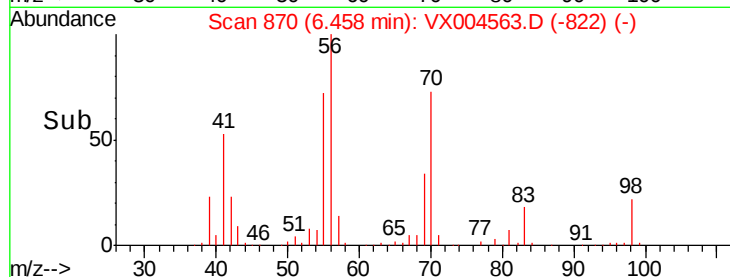
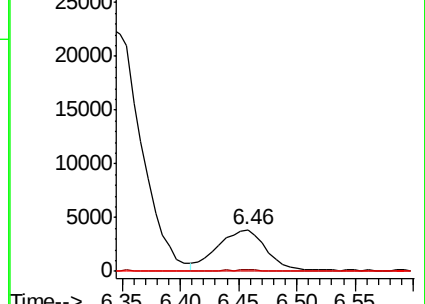
87 0.7 11.4 17.2#



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



#45

1,2-Dichloropropane

Concen: 1.58 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.06 min

Lab File: VX004563.D

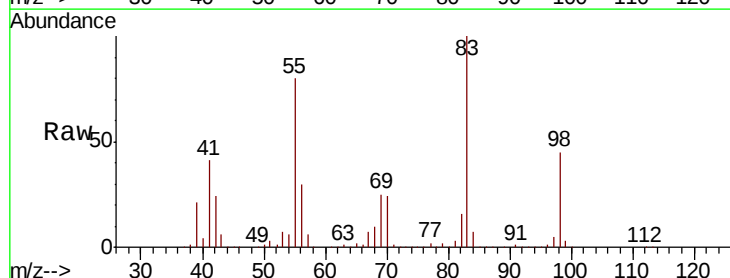
Acq: 15 Sep 2018 04:56

Tgt Ion: 63 Resp: 4792

Ion Ratio Lower Upper

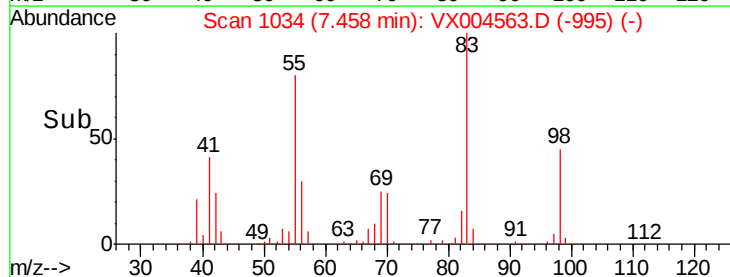
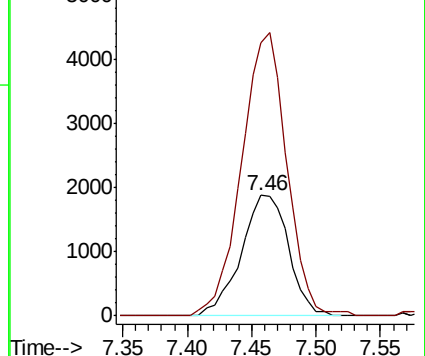
63 100

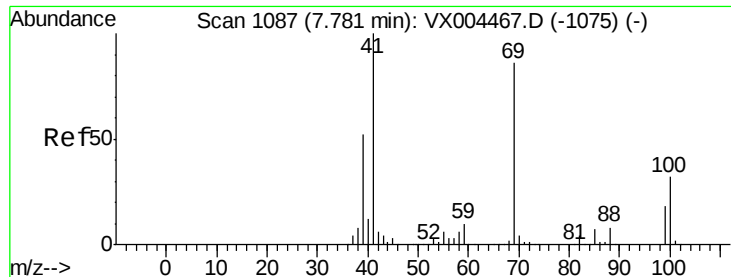
65 226.2 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#48

Methyl methacrylate

Concen: 3.92 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampled :

S13-0252

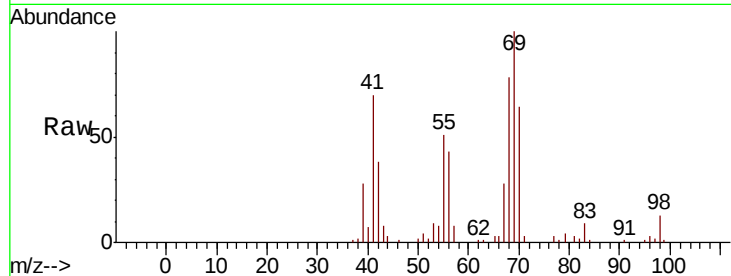
Tot Ion: 41 Resp: 12466

Ion Ratio Lower Upper

41 100

69 151.1 70.2 105.4#

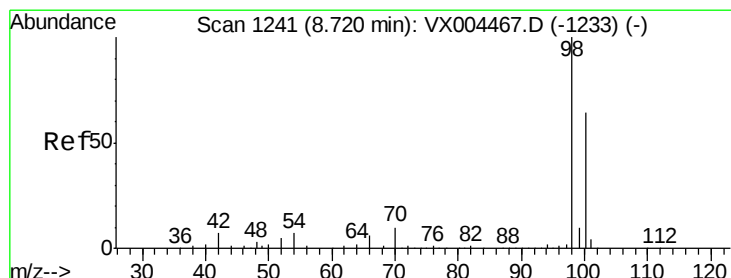
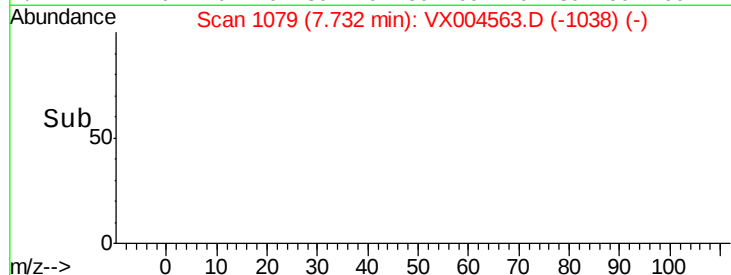
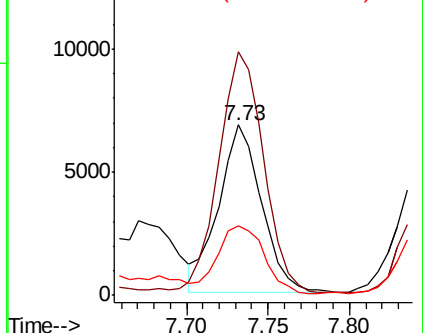
39 43.8 42.7 64.1



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: 48.41 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004563.D

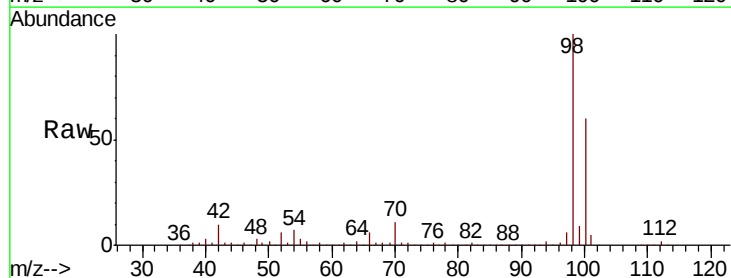
Acq: 15 Sep 2018 04:56

Tgt Ion: 98 Resp: 520808

Ion Ratio Lower Upper

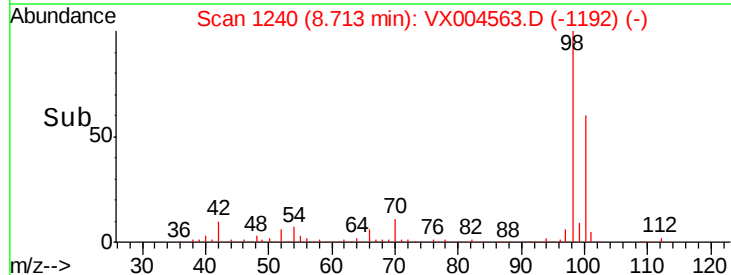
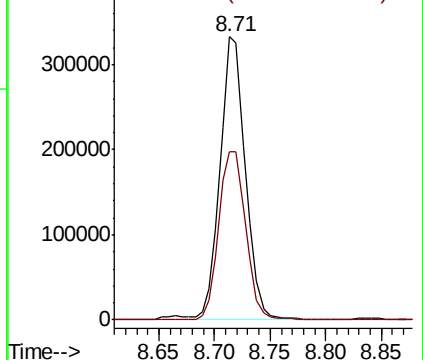
98 100

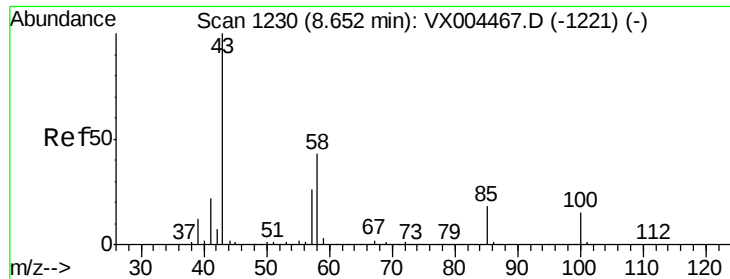
100 64.0 52.9 79.3



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: 3.23 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

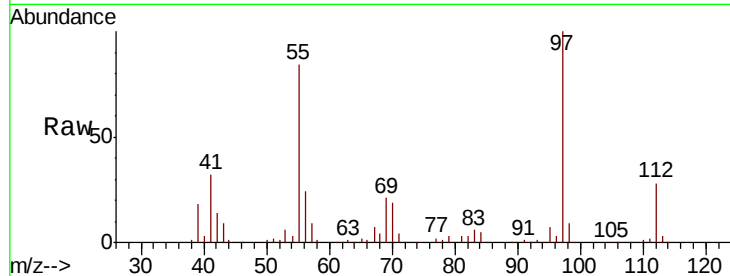
S13-0252

Tot Ion: 43 Resp: 14640

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX004467.D (-1221) (-)

Ion 58.00 (57.70 to 58.70): VX004467.D (-1221) (-)

8.66

5000

4000

3000

2000

1000

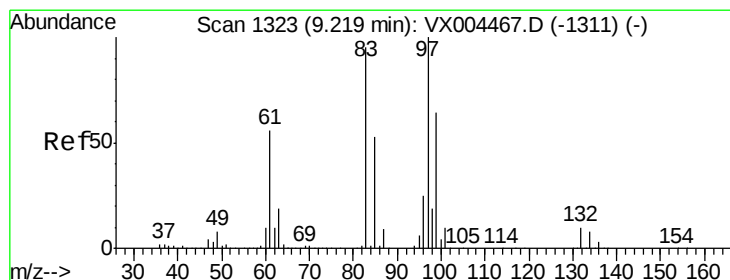
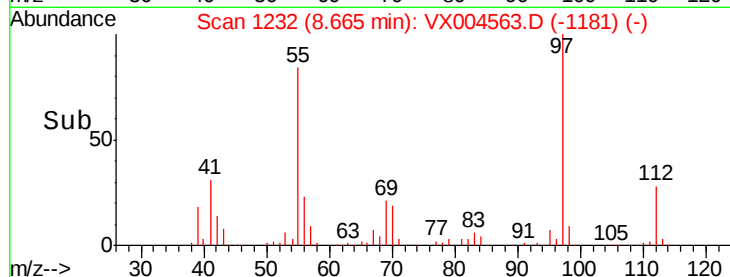
0

8.60

8.70

8.80

Time-->



#55

1,1,2-Trichloroethane

Concen: 14.77 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Tgt Ion: 97 Resp: 47306

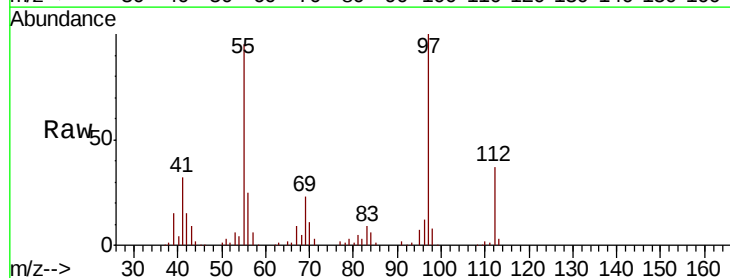
Ion Ratio Lower Upper

97 100

83 8.3 66.4 99.6#

85 0.6 43.3 64.9#

99 0.3 49.0 73.4#



Abundance Ion 96.90 (96.60 to 97.60): VX004467.D (-1311) (-)

Ion 82.90 (82.60 to 83.60): VX004467.D (-1311) (-)

Ion 84.90 (84.60 to 85.60): VX004467.D (-1311) (-)

Ion 98.90 (98.60 to 99.60): VX004467.D (-1311) (-)

9.16

40000

30000

20000

10000

0

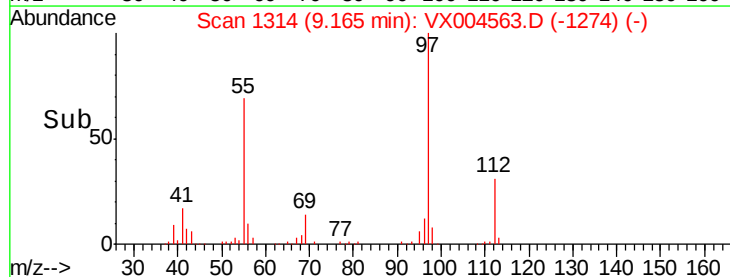
9.10

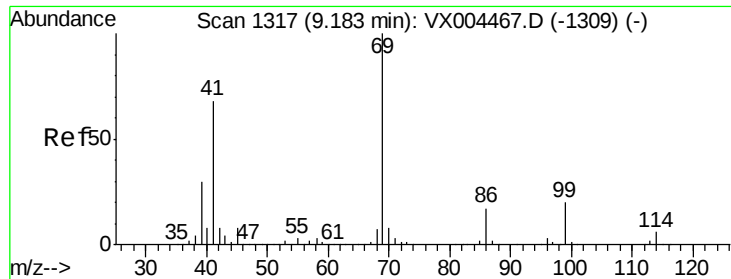
9.15

9.20

9.25

Time-->

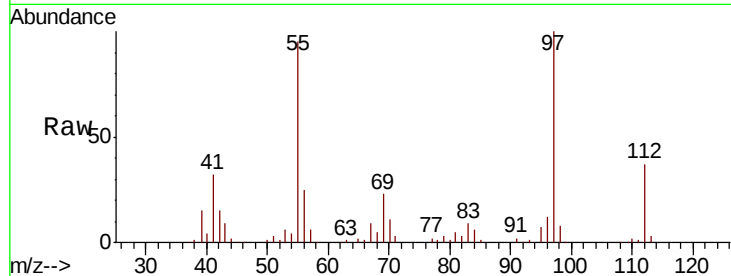




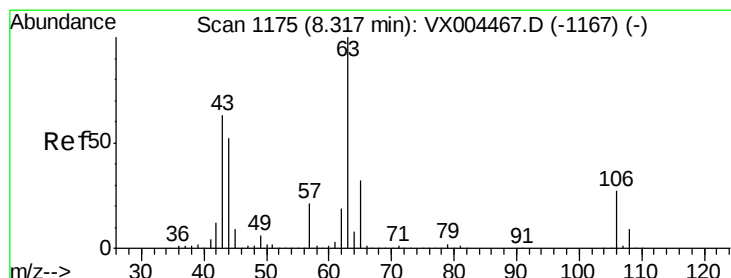
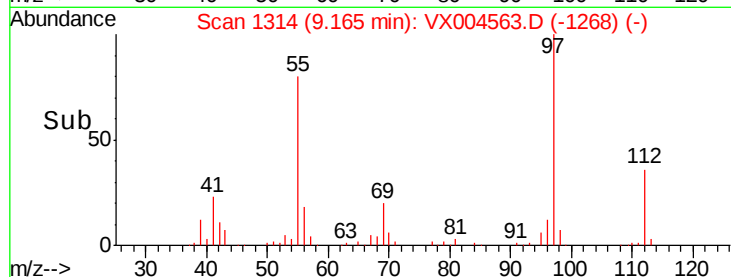
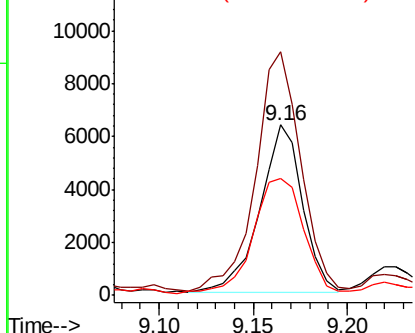
#56
Ethyl methacrylate
Concen: 2.21 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Instrument :
MSVOA_X
ClientSampleId :
S13-0252

Tot Ion: 69 Resp: 10017
Ion Ratio Lower Upper
69 100
41 148.2 51.0 76.4#
39 80.5 26.1 39.1#

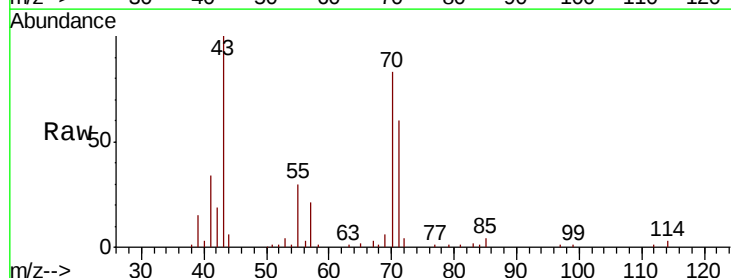


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

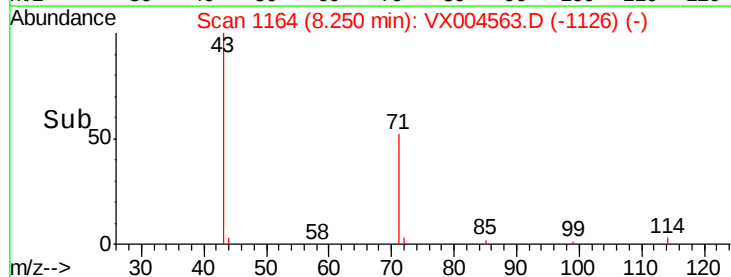
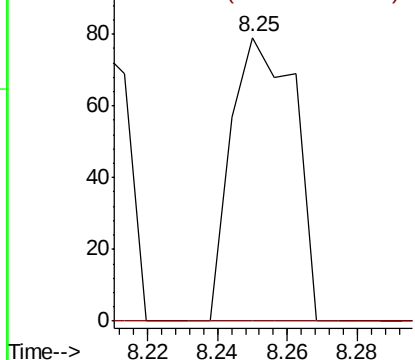


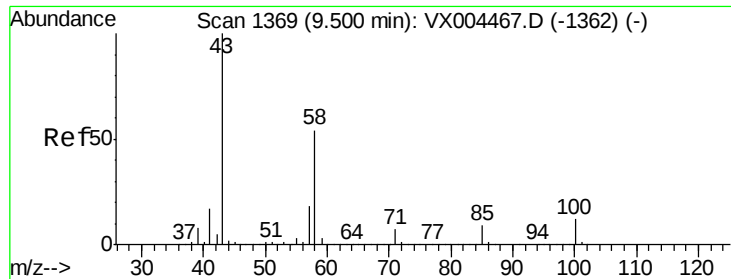
#58
2-Chloroethyl Vinyl ether
Concen: 7.31 ug/l
RT: 8.25 min Scan# 1164
Delta R.T. -0.07 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion: 63 Resp: 100
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

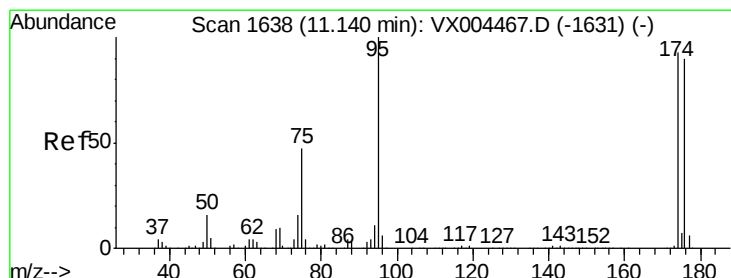
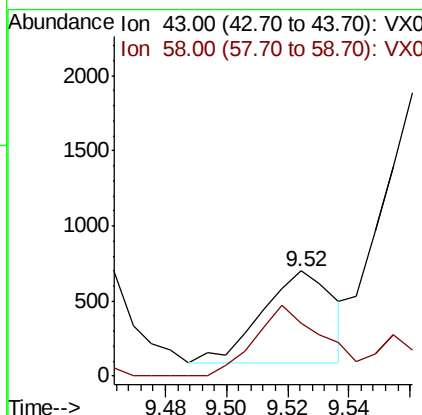
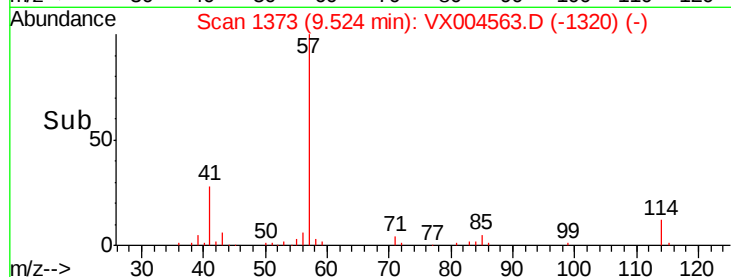
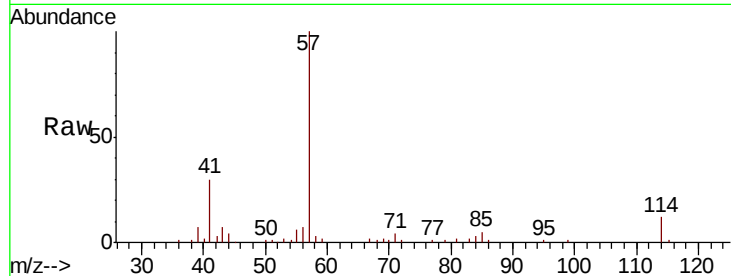




#59
2-Hexanone
Concen: 0.29 ug/l
RT: 9.52 min Scan# 1373
Delta R.T. 0.02 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

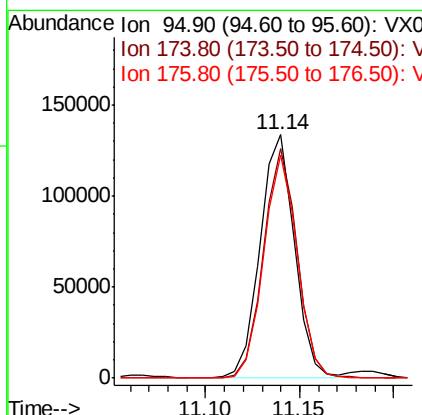
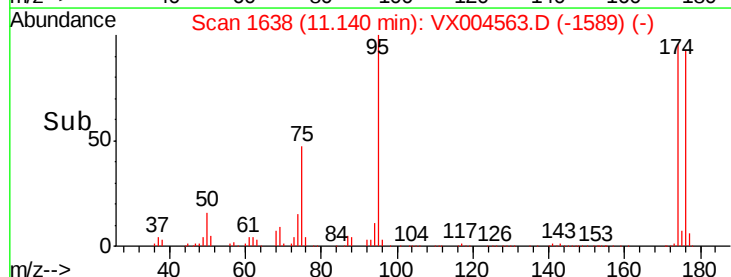
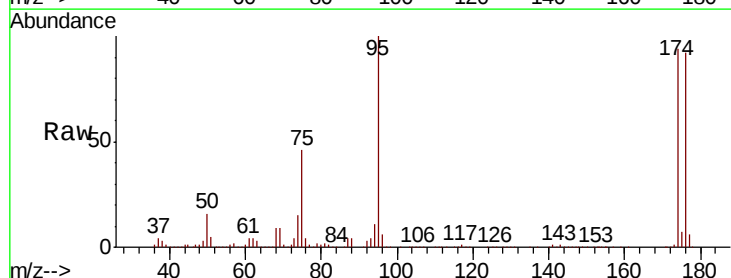
Instrument :
MSVOA_X
ClientSampled :
S13-0252

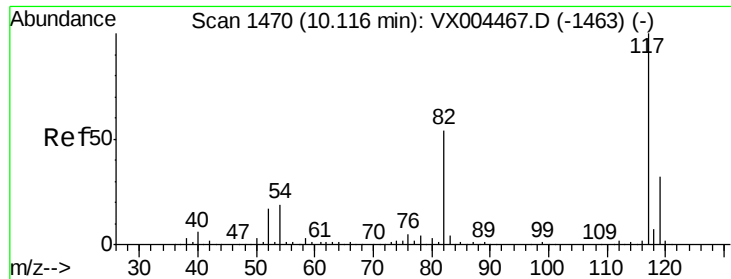
Tot Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 73.1 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion: 95 Resp: 169297
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.2
176 89.9 0.0 178.6

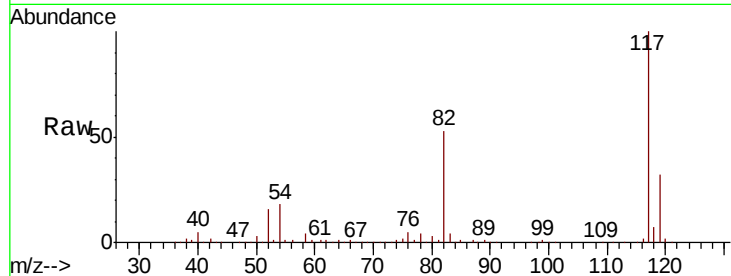




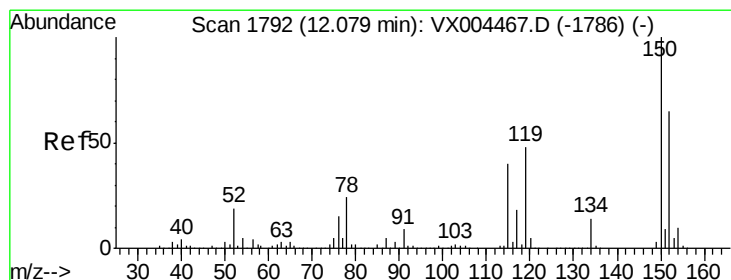
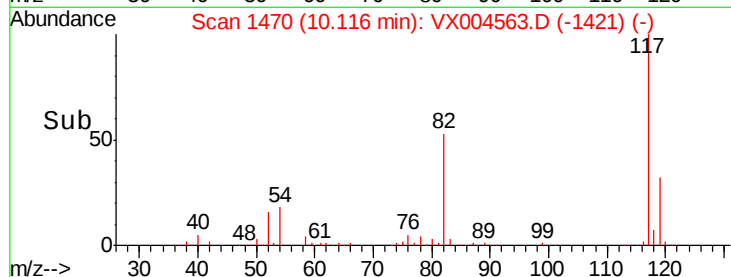
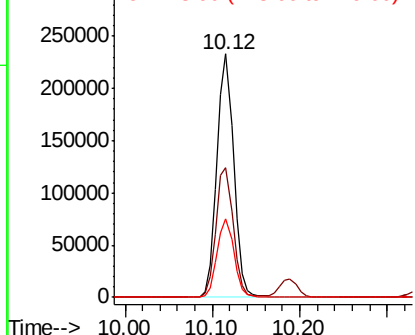
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Instrument :
MSVOA_X
ClientSampleId :
S13-0252

Tot Ion:117 Resp: 309939
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.0 29.3 43.9

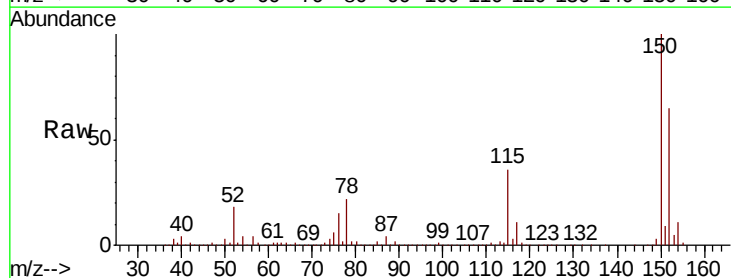


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

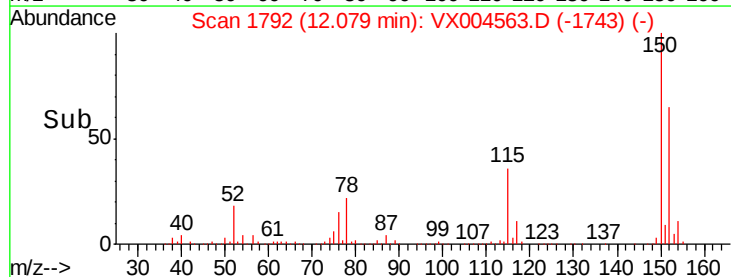
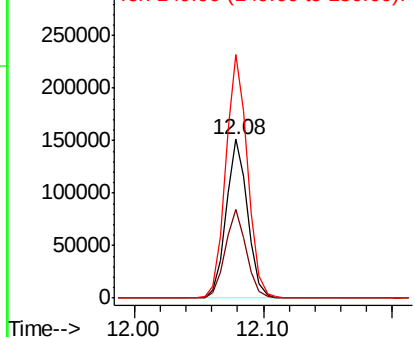


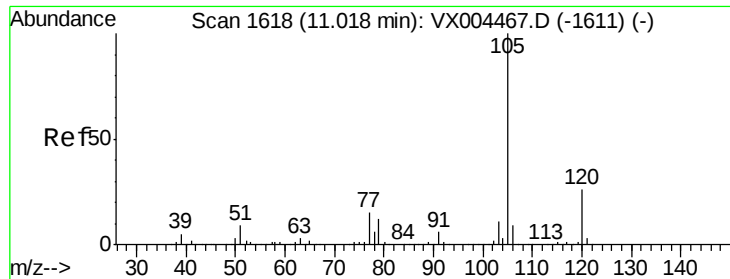
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion:152 Resp: 176881
Ion Ratio Lower Upper
152 100
115 55.0 39.0 117.0
150 155.6 0.0 351.0



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: 6.30 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

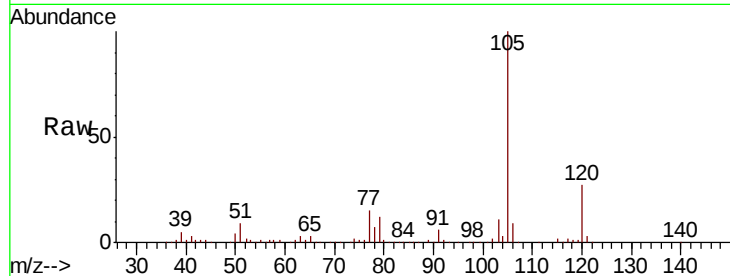
S13-0252

Tot Ion:105 Resp: 73339

Ion Ratio Lower Upper

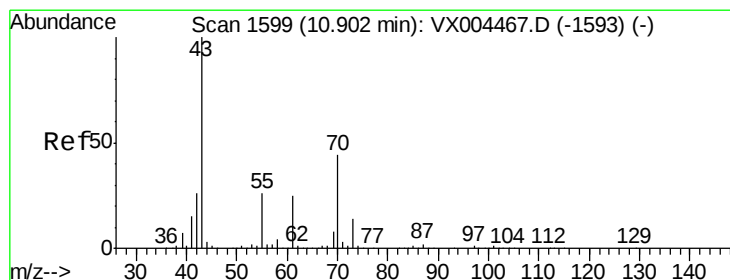
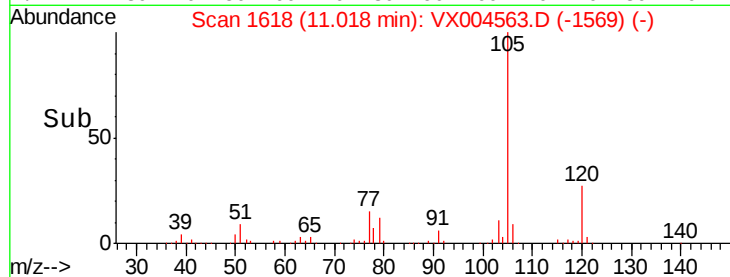
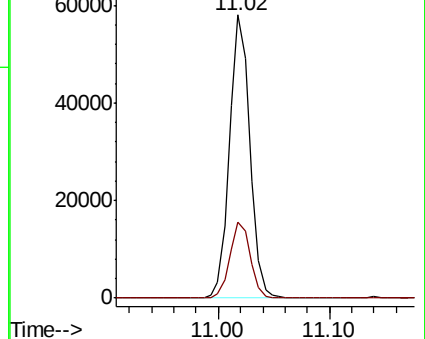
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.30 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Tgt Ion: 43 Resp: 1464

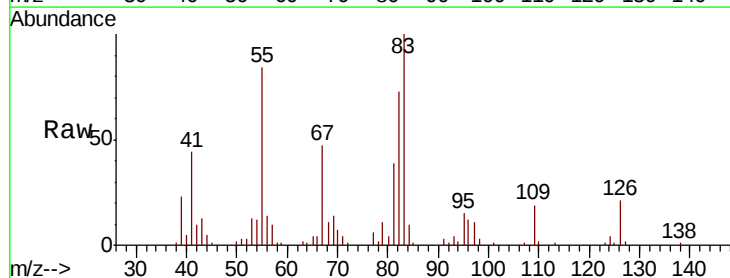
Ion Ratio Lower Upper

43 100

70 109.4 37.4 56.0#

55 767.8 21.8 32.8#

61 0.0 20.6 30.8#

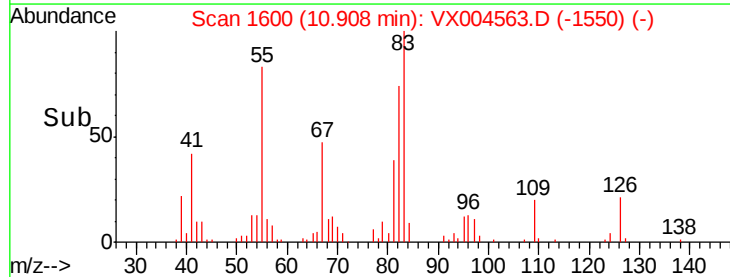
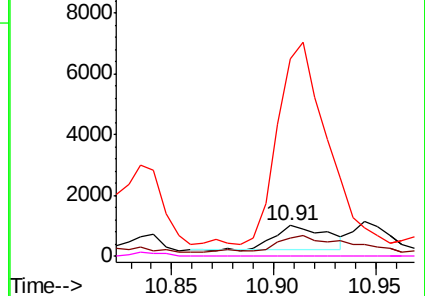


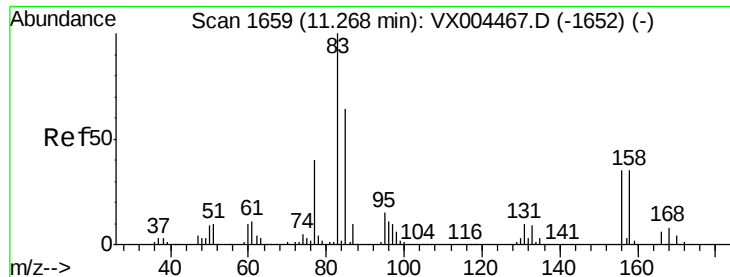
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.54 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampled :

S13-0252

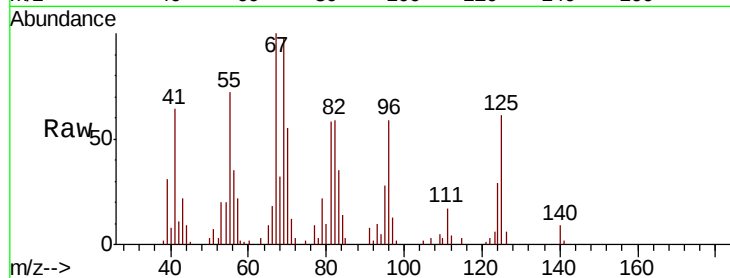
Tot Ion: 83 Resp: 2037

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

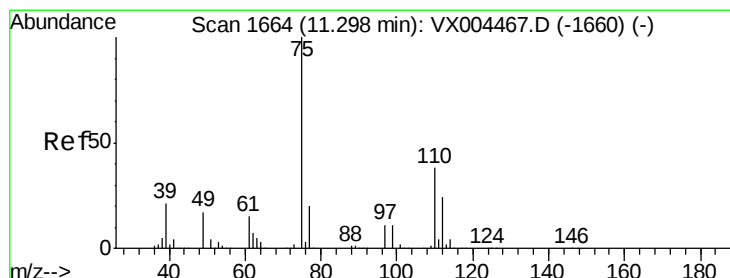
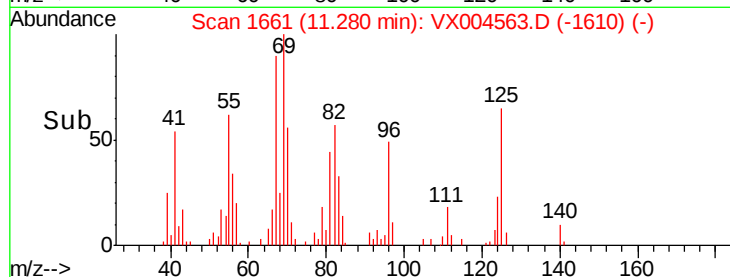
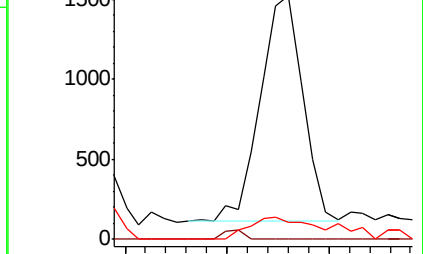
85 14.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.39 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004563.D

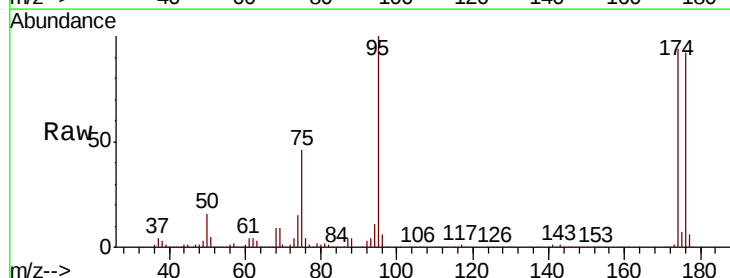
Acq: 15 Sep 2018 04:56

Tgt Ion: 75 Resp: 79686

Ion Ratio Lower Upper

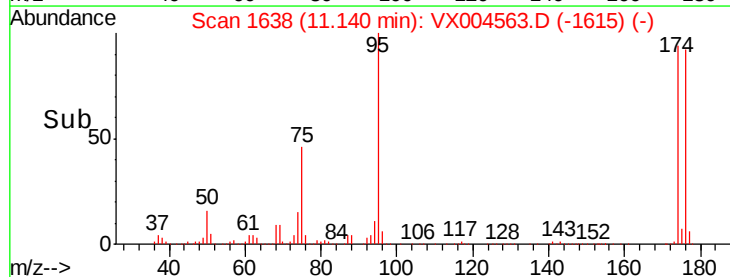
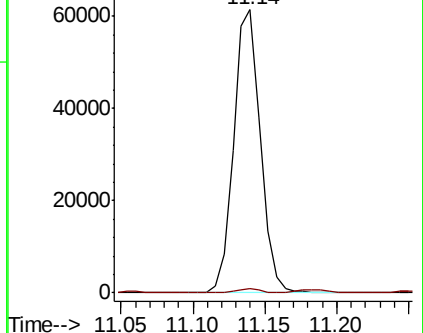
75 100

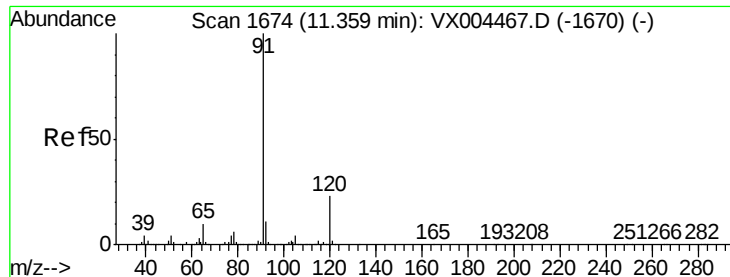
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 5.71 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

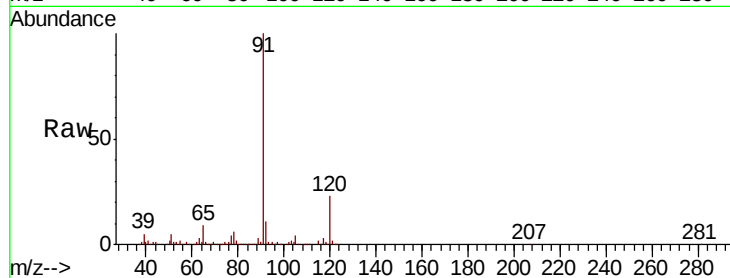
S13-0252

Tot Ion: 91 Resp: 76425

Ion Ratio Lower Upper

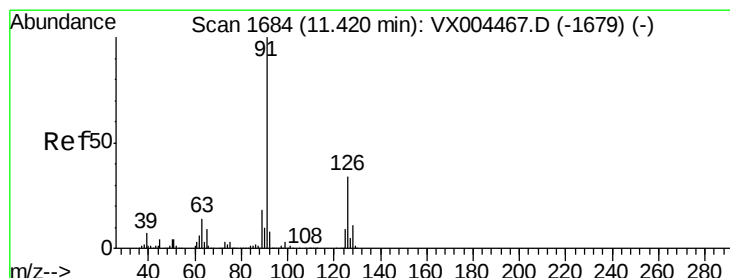
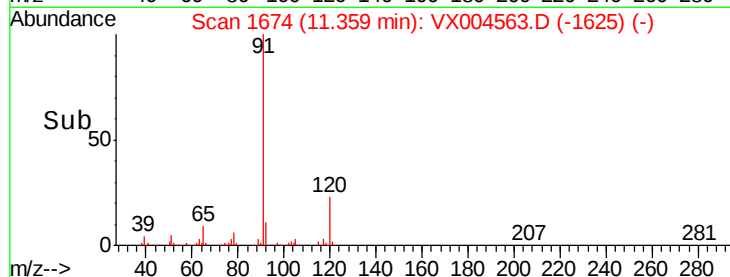
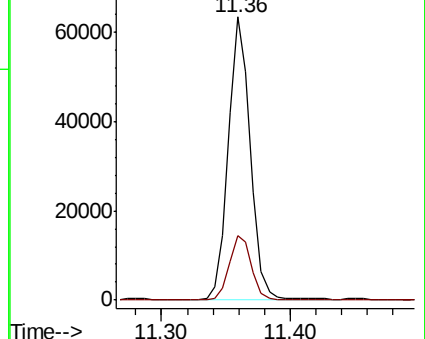
91 100

120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 9.41 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX004563.D

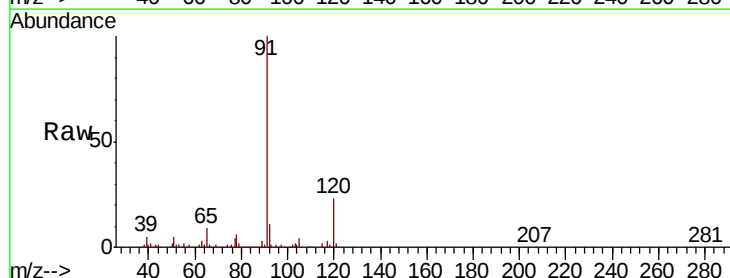
Acq: 15 Sep 2018 04:56

Tgt Ion: 91 Resp: 76425

Ion Ratio Lower Upper

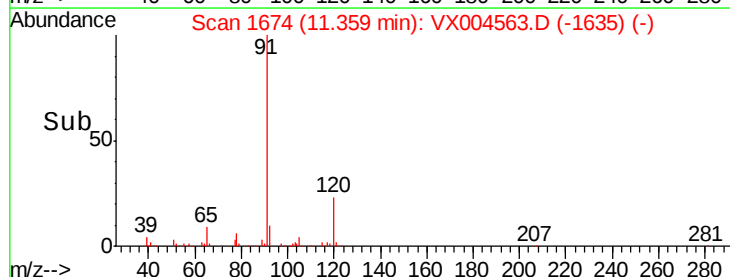
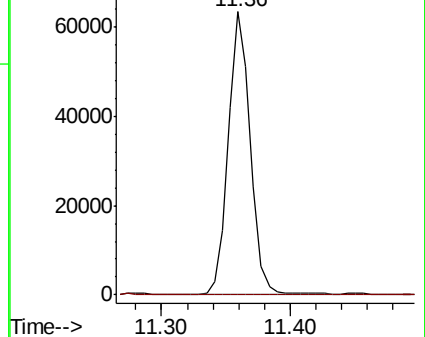
91 100

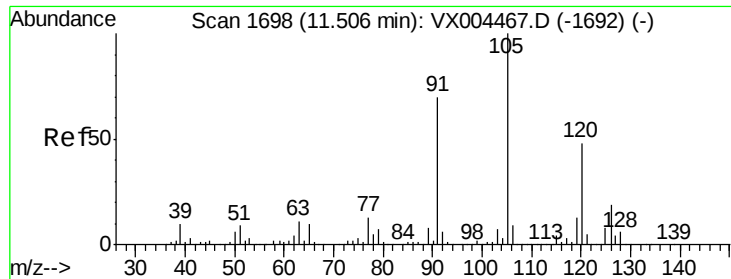
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

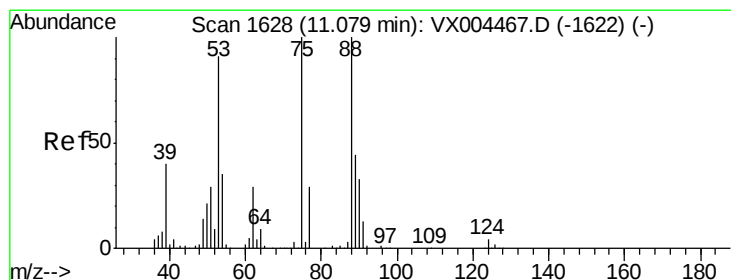
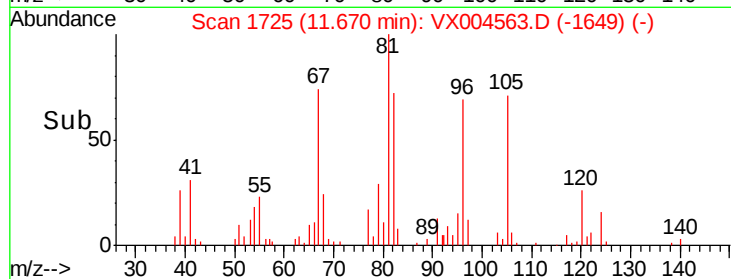
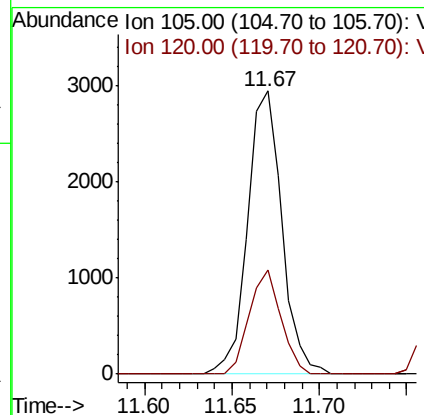
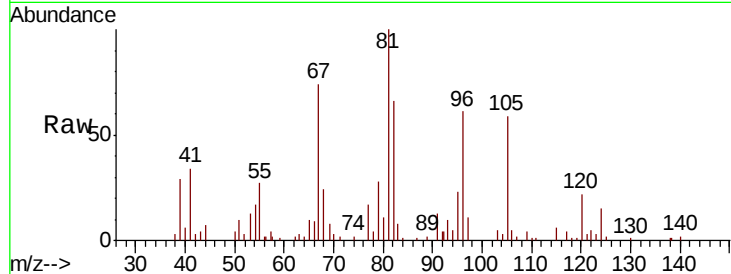




#80
 1,3,5-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. 0.16 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

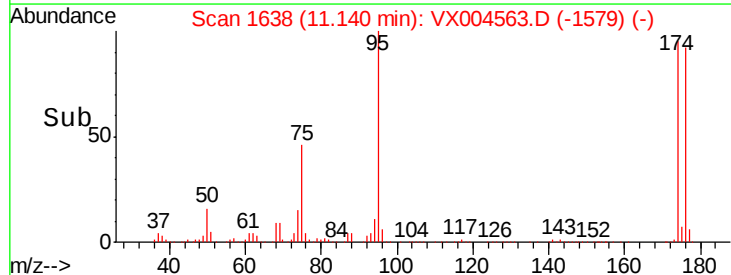
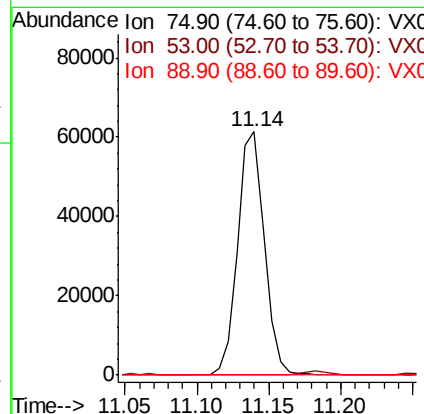
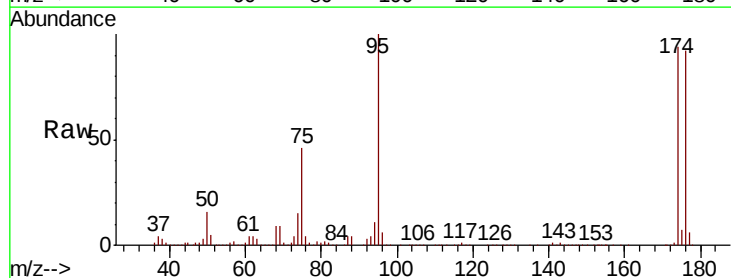
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0252

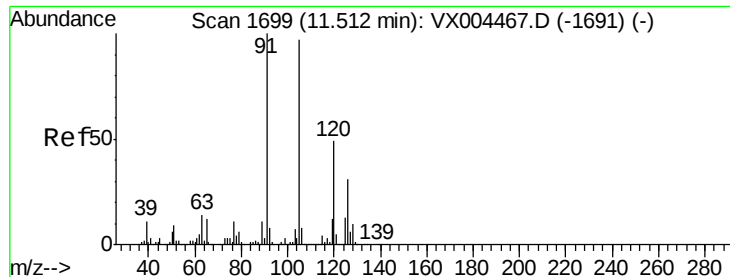
Tot Ion:105 Resp: 4021
 Ion Ratio Lower Upper
 105 100
 120 33.8 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.37 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

Tgt Ion: 75 Resp: 79686
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 8.06 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

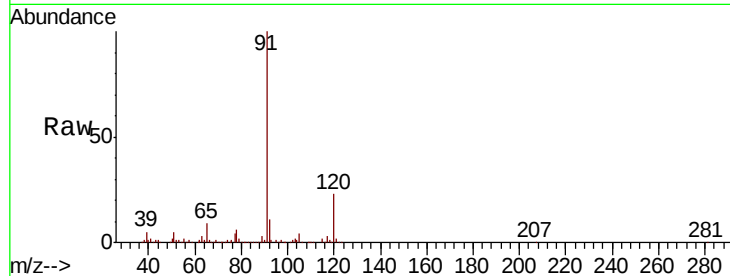
S13-0252

Tot Ion: 91 Resp: 76425

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1691) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1691) (-)

11.36

60000

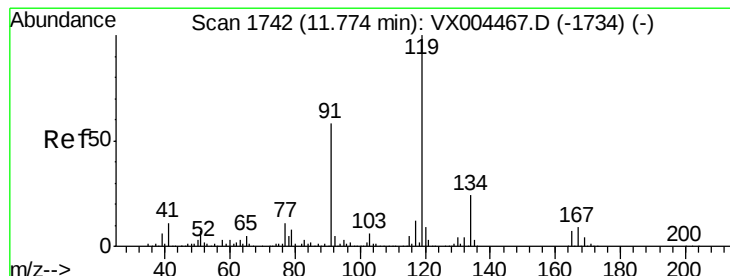
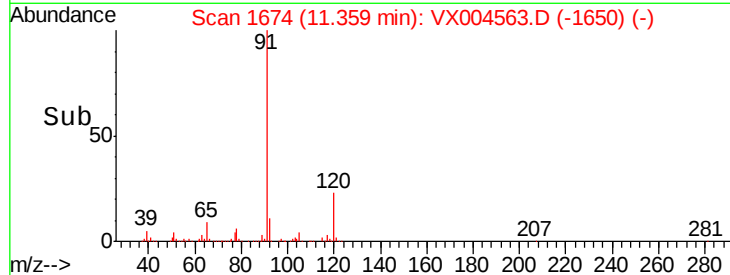
40000

20000

0

11.30 11.40

Time-->



#83

tert-Butylbenzene

Concen: 2.00 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

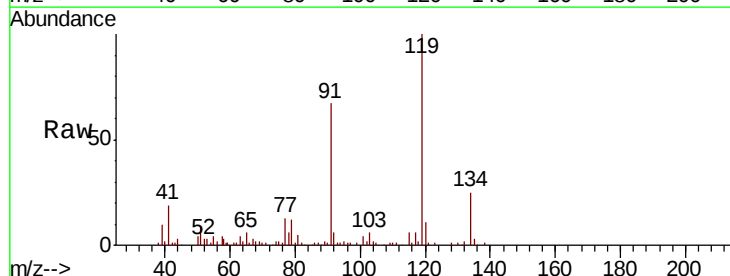
Tgt Ion: 119 Resp: 18626

Ion Ratio Lower Upper

119 100

91 64.8 27.0 81.0

134 24.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): VX004467.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX004467.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1734) (-)

11.77

20000

15000

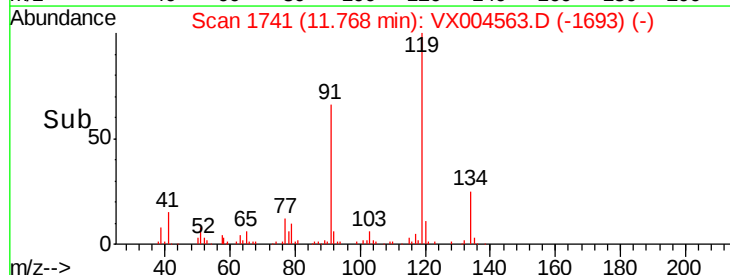
10000

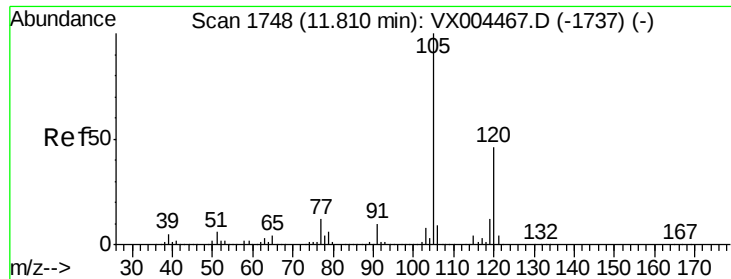
5000

0

11.70 11.75 11.80 11.85

Time-->

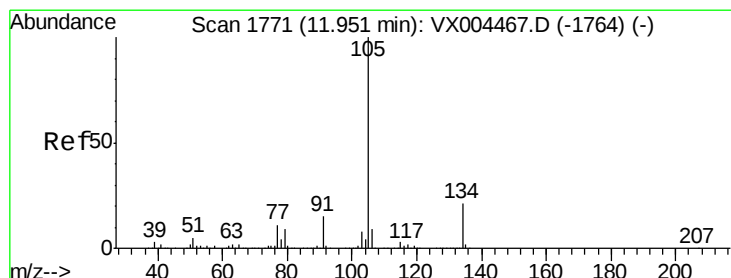
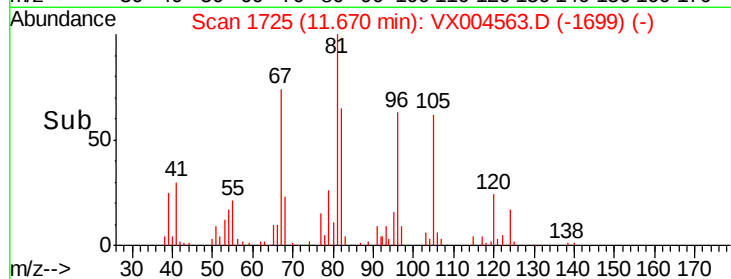
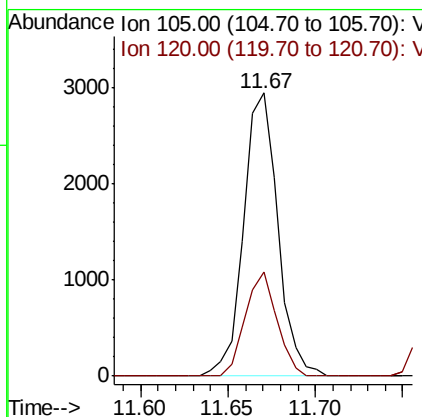
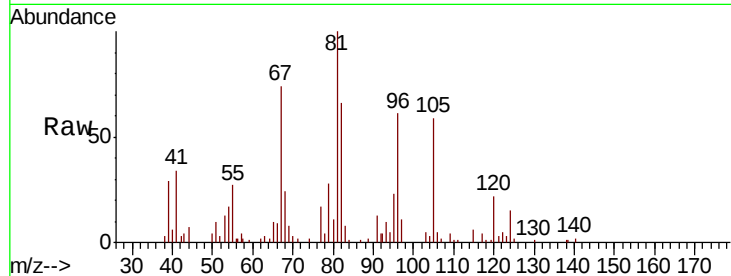




#84
 1,2,4-Trimethylbenzene
 Concen: 0.40 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. -0.14 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

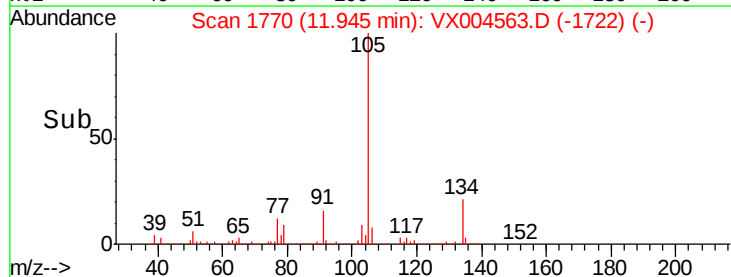
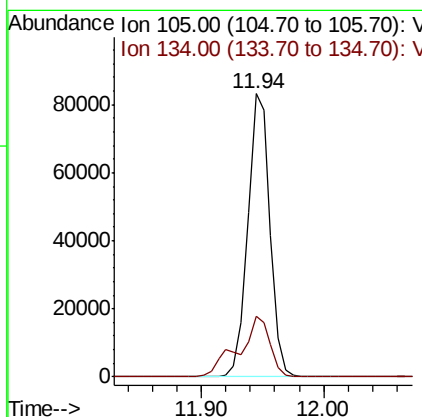
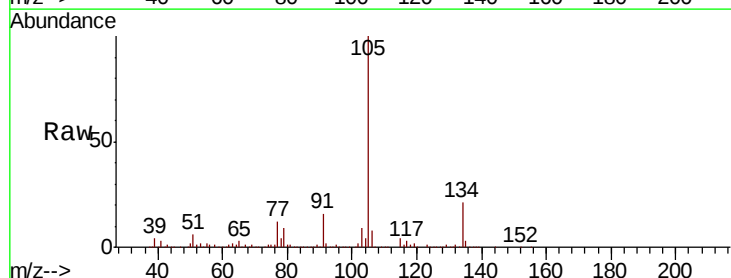
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0252

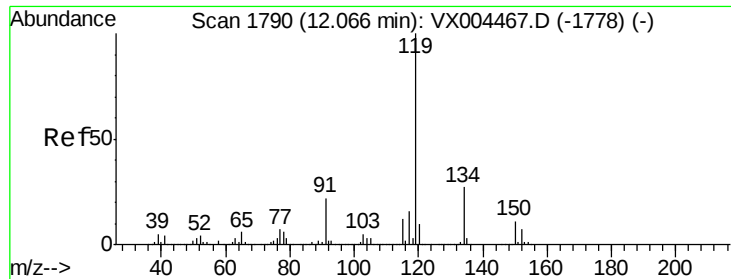
Tot Ion:105 Resp: 4021
 Ion Ratio Lower Upper
 105 100
 120 33.8 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 8.81 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004563.D
 Acq: 15 Sep 2018 04:56

Tgt Ion:105 Resp: 104674
 Ion Ratio Lower Upper
 105 100
 134 30.1 10.5 31.5

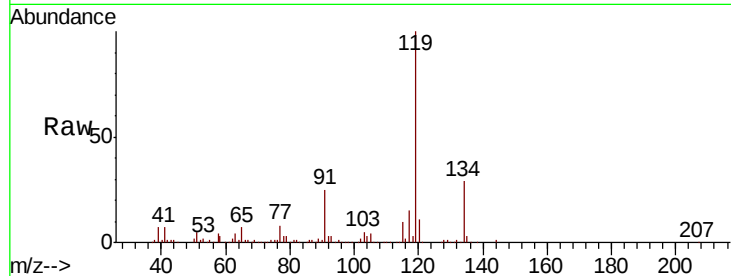




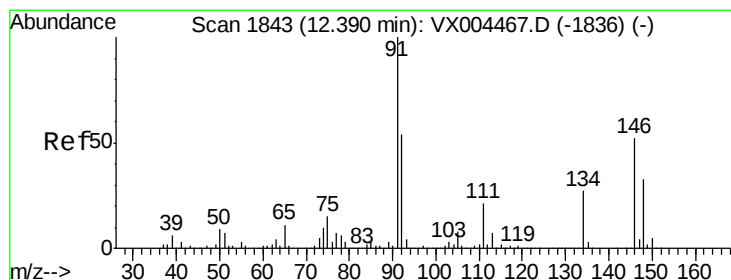
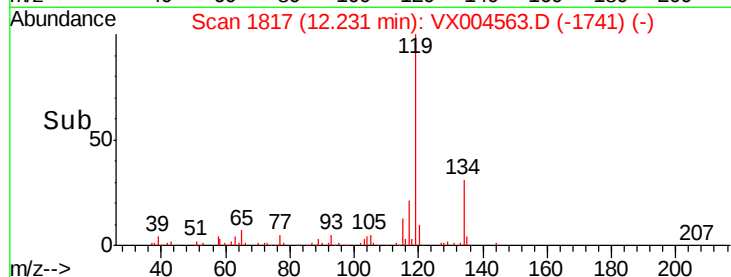
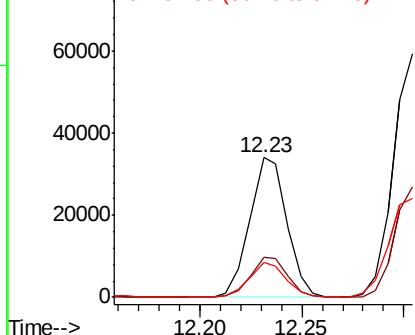
#86
p-Isopropyltoluene
Concen: 4.13 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.16 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Instrument :
MSVOA_X
ClientSampleId :
S13-0252

Tot Ion:119 Resp: 43291
Ion Ratio Lower Upper
119 100
134 28.5 13.4 40.2
91 24.1 10.9 32.7

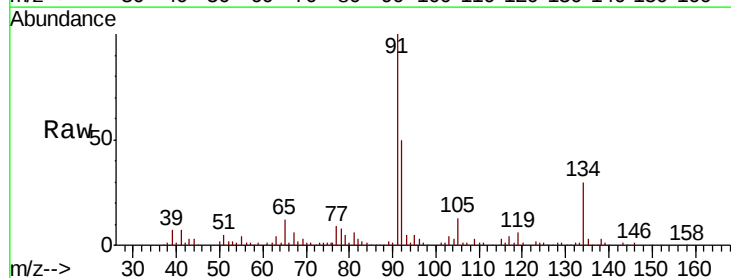


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

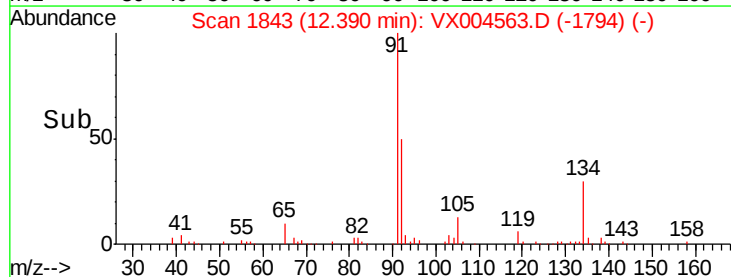
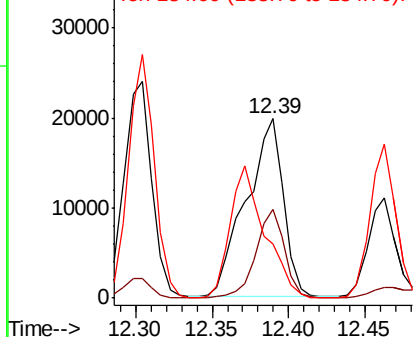


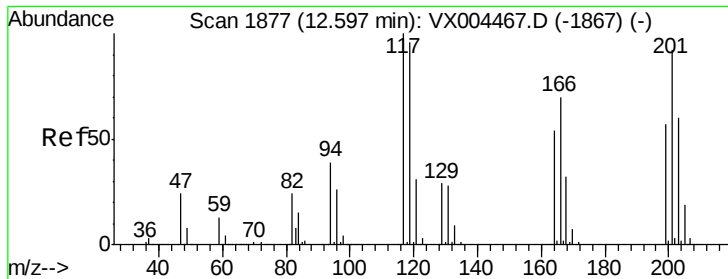
#89
n-Butylbenzene
Concen: 3.54 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004563.D
Acq: 15 Sep 2018 04:56

Tgt Ion: 91 Resp: 33864
Ion Ratio Lower Upper
91 100
92 38.2 27.3 81.9
134 68.2 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: 15.54 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

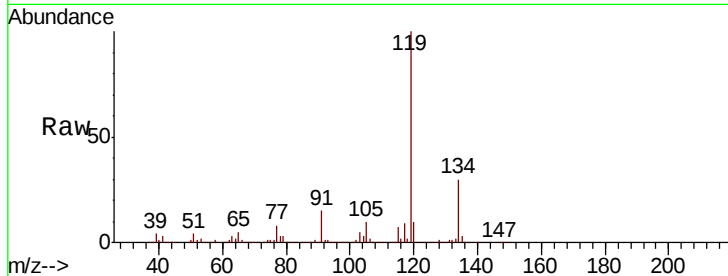
S13-0252

Tot Ion:117 Resp: 26096

Ion Ratio Lower Upper

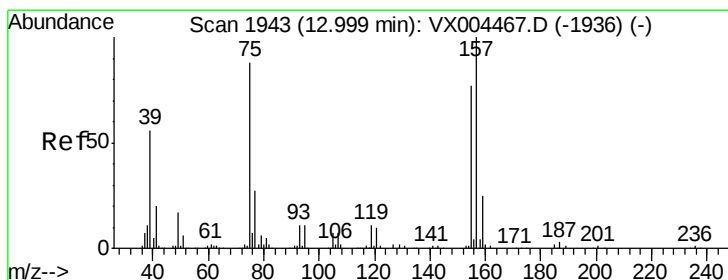
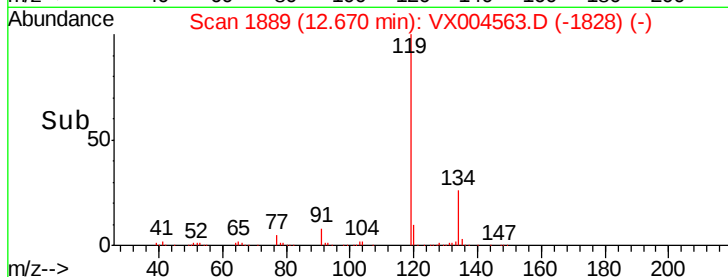
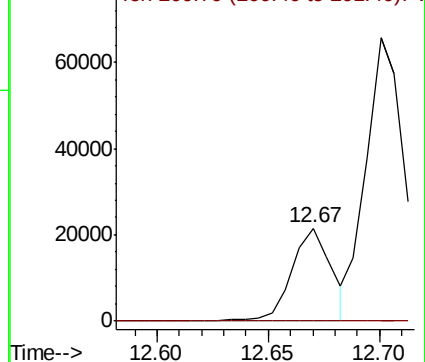
117 100

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: 2.13 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

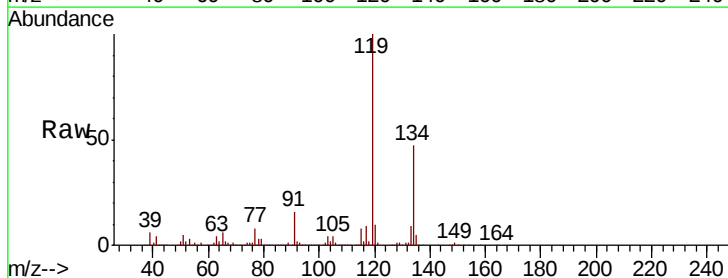
Tgt Ion: 75 Resp: 1705

Ion Ratio Lower Upper

75 100

155 1.4 48.0 144.2#

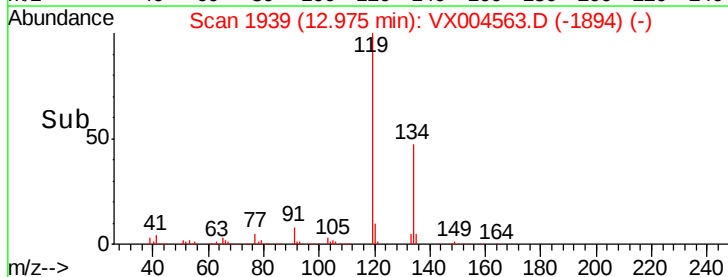
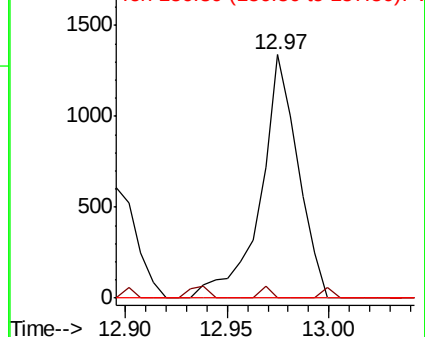
157 0.0 61.4 184.1#

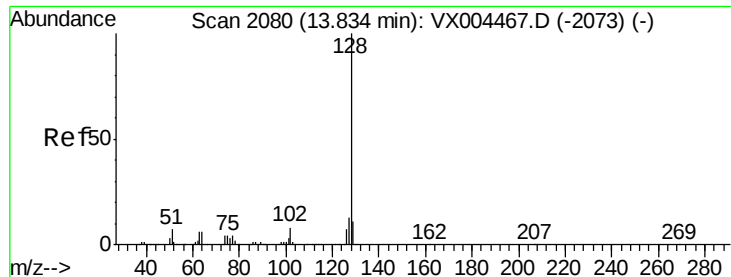


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 8.12 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004563.D

Acq: 15 Sep 2018 04:56

Instrument :

MSVOA_X

ClientSampleId :

S13-0252

Tot Ion:128 Resp: 98010

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.2

129 12.4 8.6 12.8

