

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009627.D
 Acq On : 16 May 2019 23:46
 Operator : JC/SP
 Sample : K2887-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB07-190514

Quant Time: May 17 06:42:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98645	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	112935	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.50	113	82413	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	334069	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	109639	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

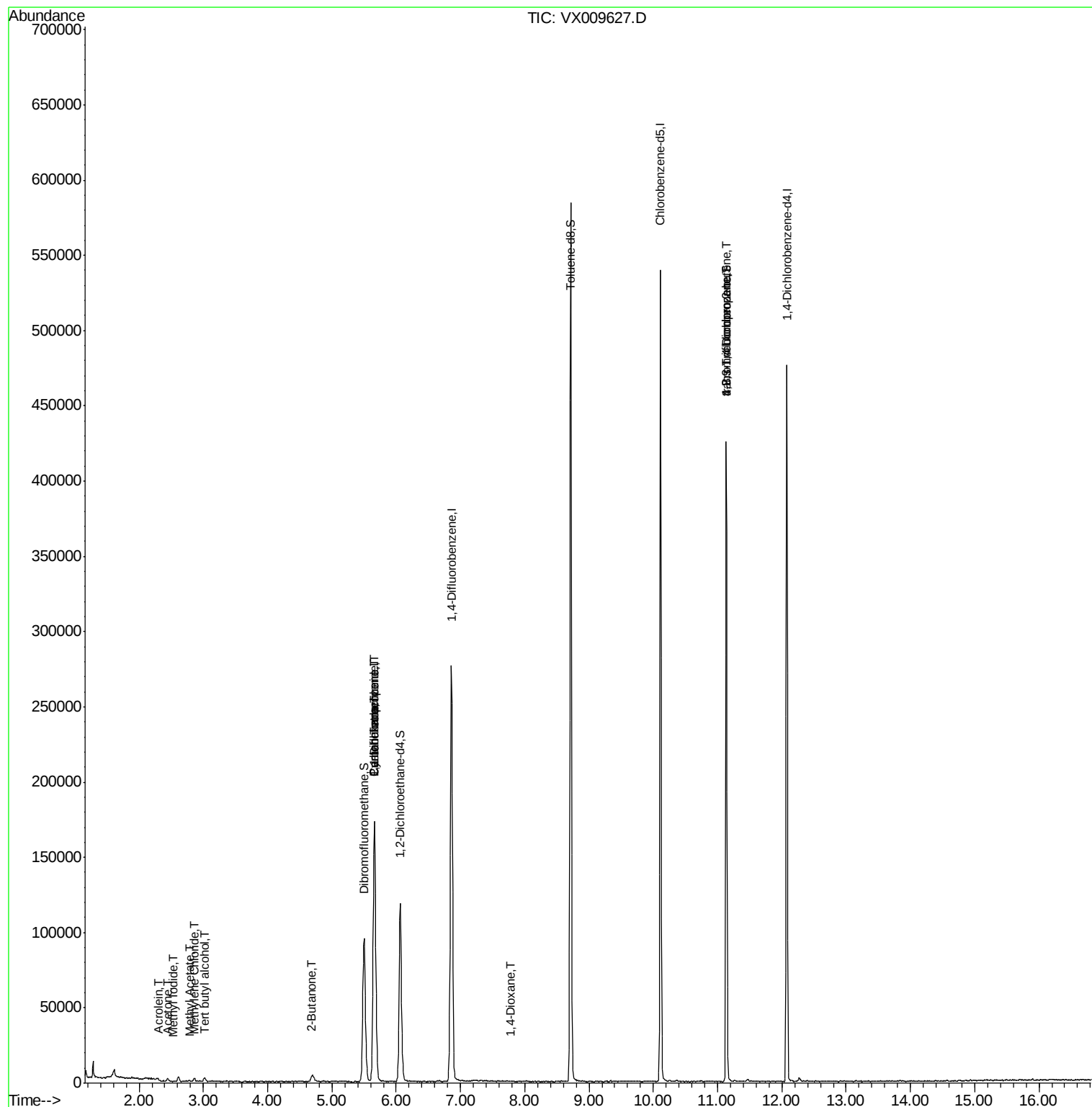
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	44	4.616	ug/l #	42
11) Tert butyl alcohol	3.02	59	1627	3.039	ug/l #	76
13) Acrolein	2.29	56	126	0.260	ug/l #	1
16) Acetone	2.45	43	2145	1.727	ug/l	95
18) Methyl Acetate	2.78	43	1161	0.393	ug/l #	90
20) Methylene Chloride	2.86	84	898	0.447	ug/l #	76
25) 2-Butanone	4.68	43	407	0.211	ug/l #	53
28) Bromochloromethane	5.04	49	89	Below Cal	#	20
31) Cyclohexane	5.67	56	3711	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13117	5.245	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15764	6.938	ug/l #	16
49) 1,4-Dioxane	7.79	88	20	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56144	24.536	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56144	62.779	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

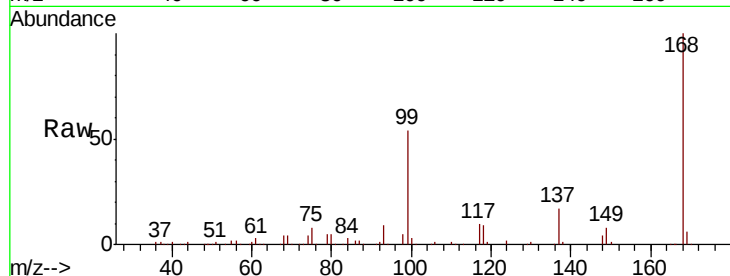
Z4-TB07-190514

Tot Ion:168 Resp: 169401

Ion Ratio Lower Upper

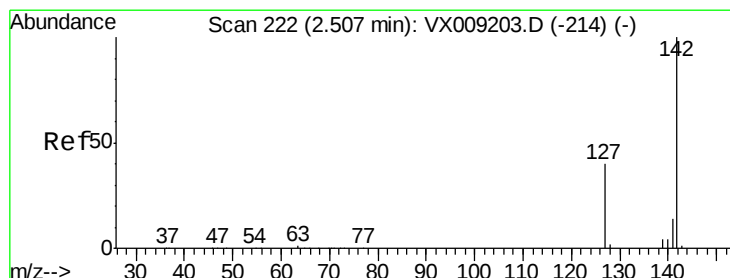
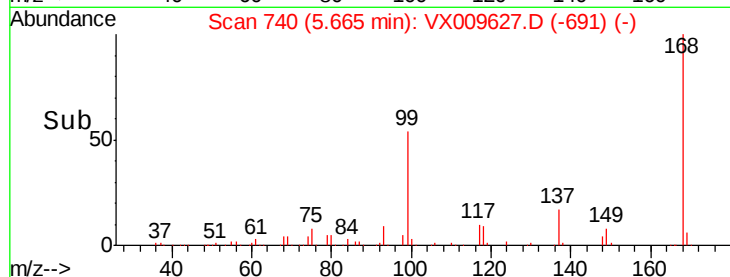
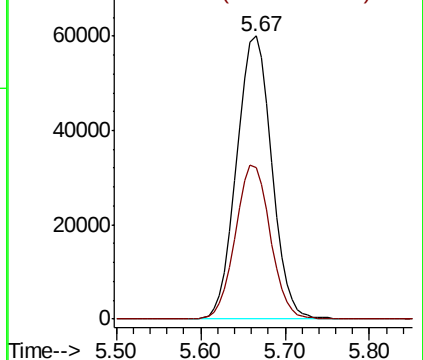
168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.616 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

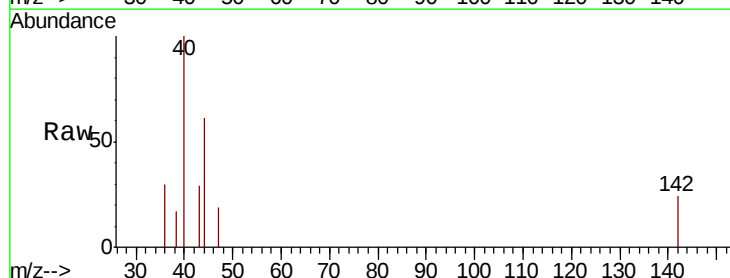
Tgt Ion:142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

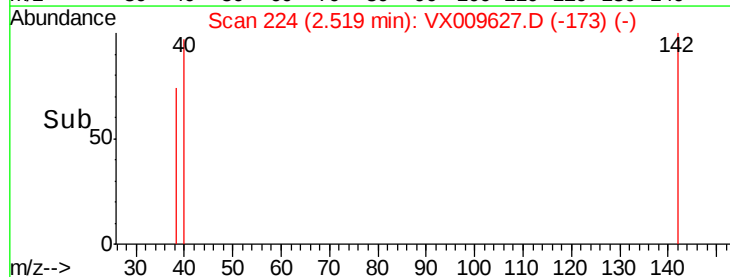
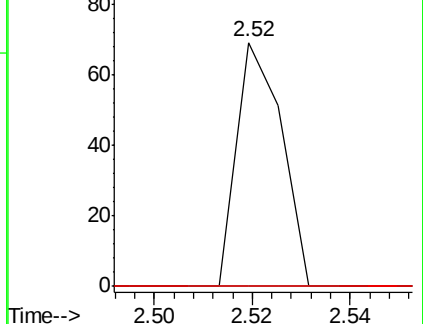
141 0.0 11.5 17.3#

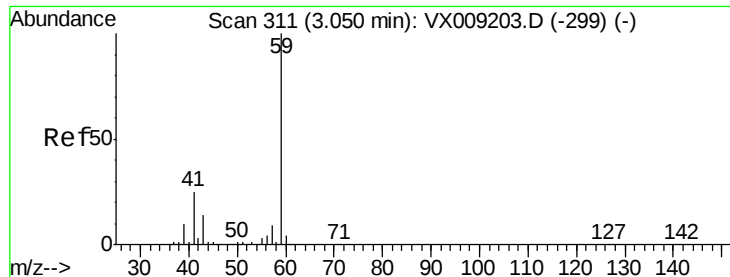


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



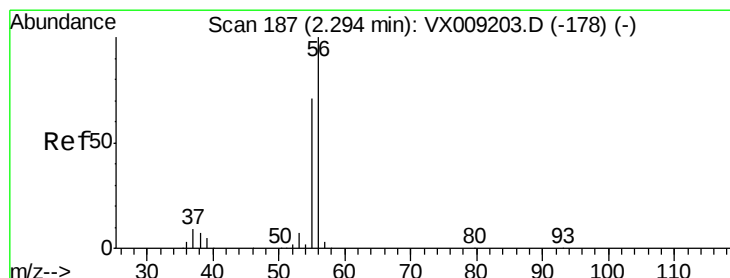
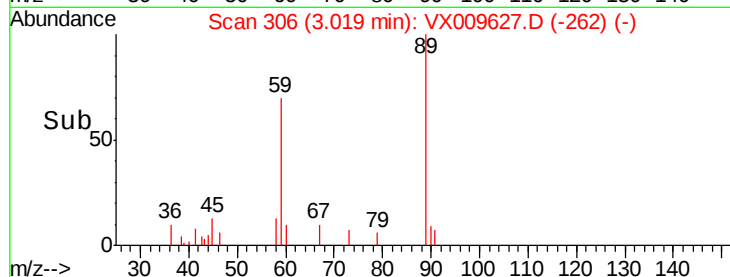
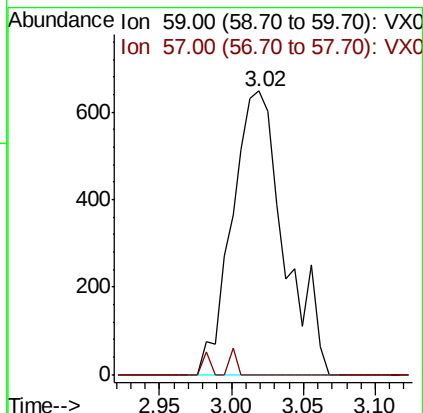
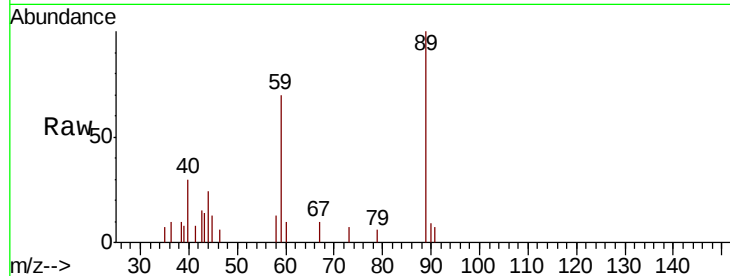


#11

Tert butyl alcohol
Concen: 3.039 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB07-190514

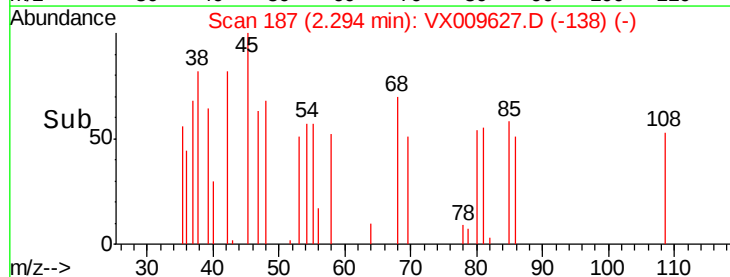
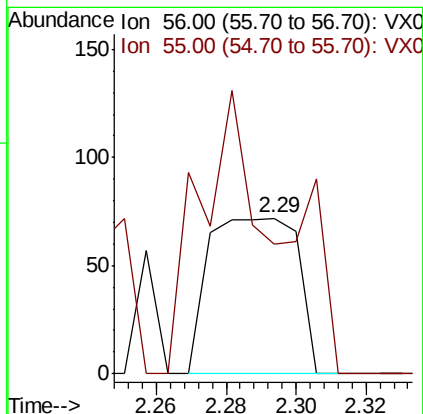
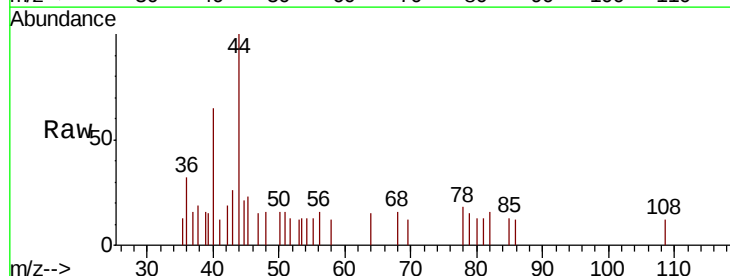
Tot Ion: 59 Resp: 1627
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.2#



#13

Acrolein
Concen: 0.260 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 165.9 56.6 85.0#

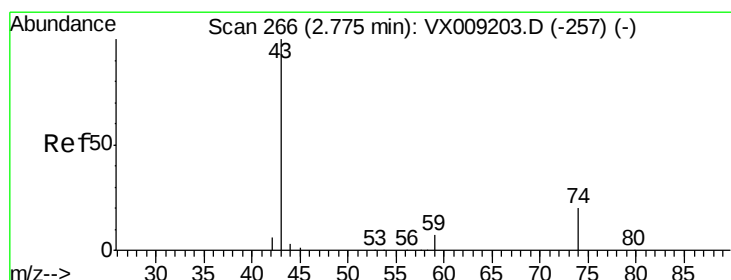
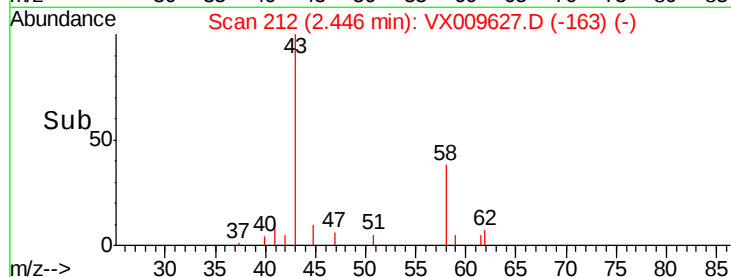
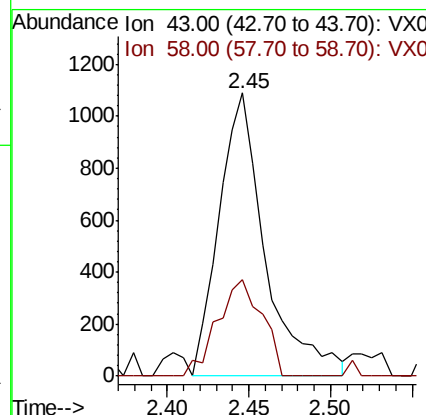
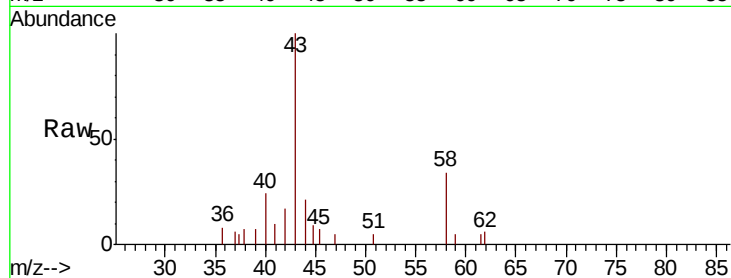




#16
Acetone
Concen: 1.727 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

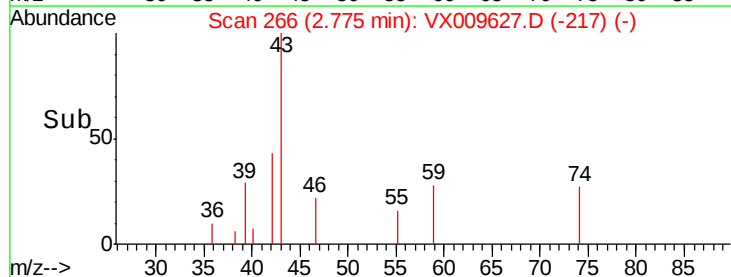
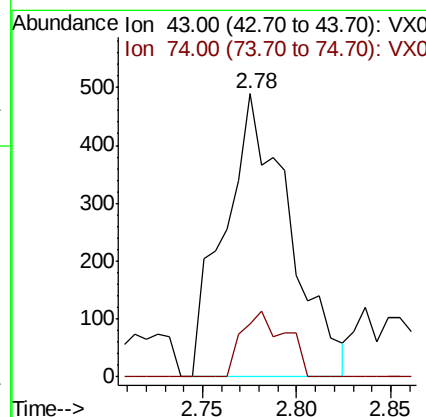
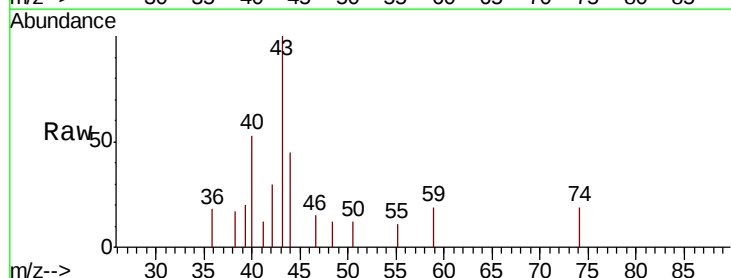
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB07-190514

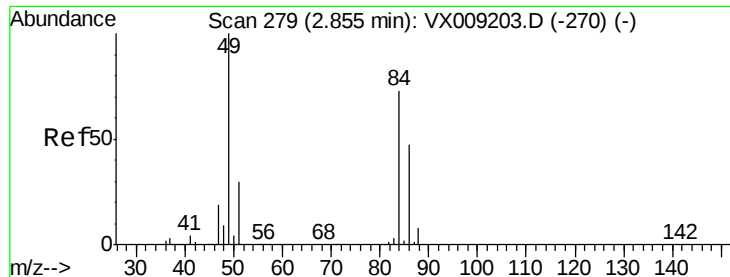
Tot Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 33.9 24.9 37.3



#18
Methyl Acetate
Concen: 0.393 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
74 15.7 16.2 24.4#

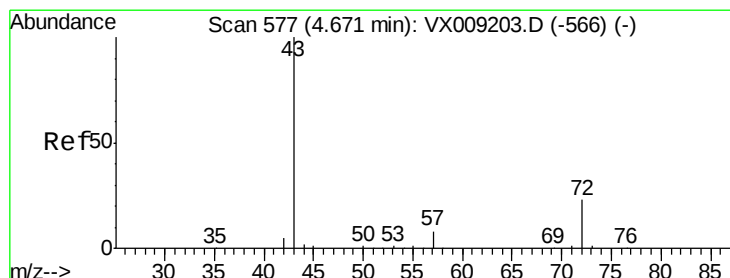
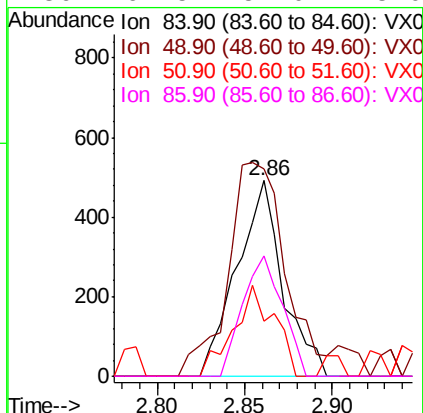
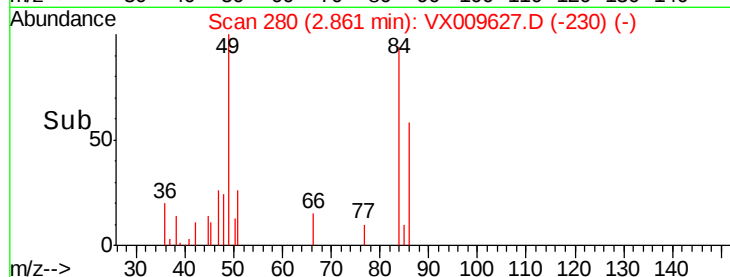
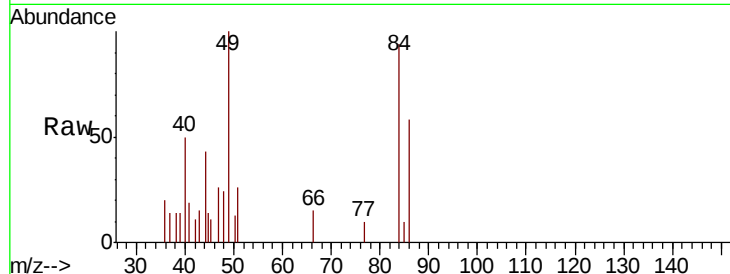




#20
Methvlene Chloride
Concen: 0.447 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

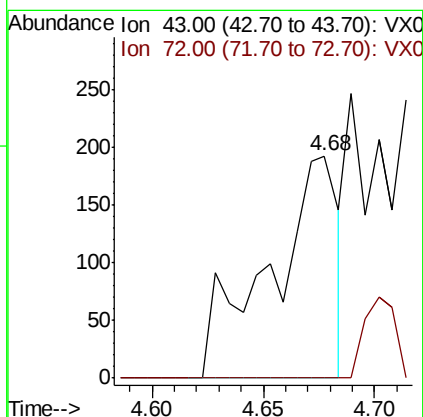
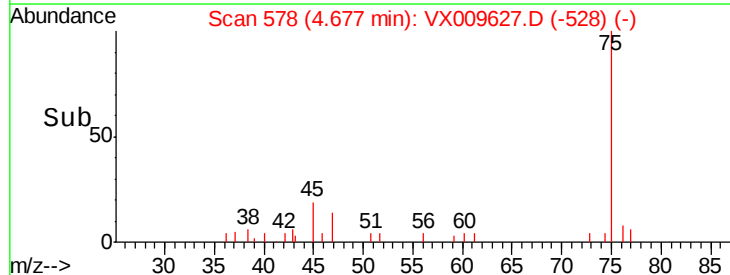
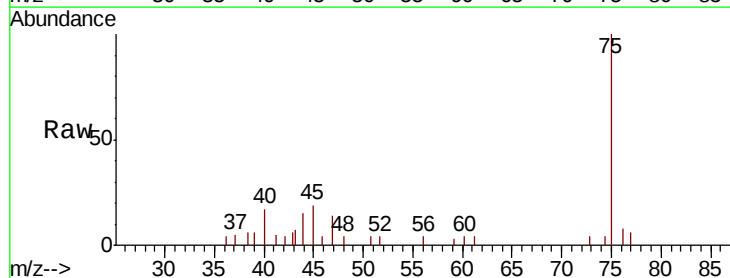
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB07-190514

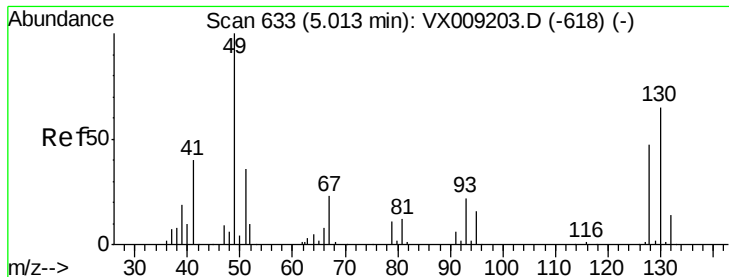
Tot Ion: 84 Resp: 898
Ion Ratio Lower Upper
84 100
49 95.3 109.9 164.9#
51 27.9 32.7 49.1#
86 61.5 52.0 78.0



#25
2-Butanone
Concen: 0.211 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB07-190514

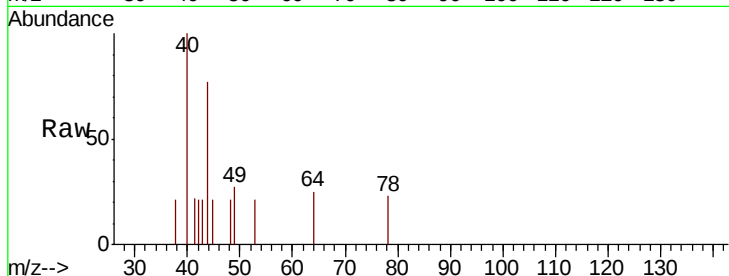
Tot Ion: 49 Resp: 89

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

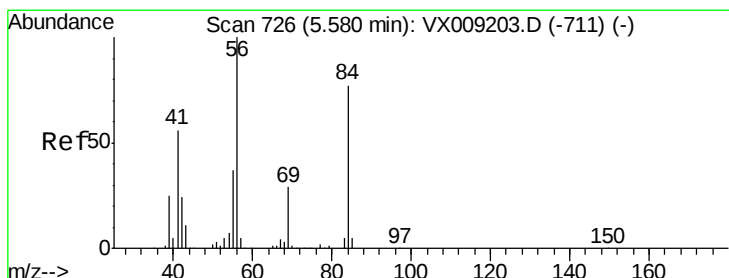
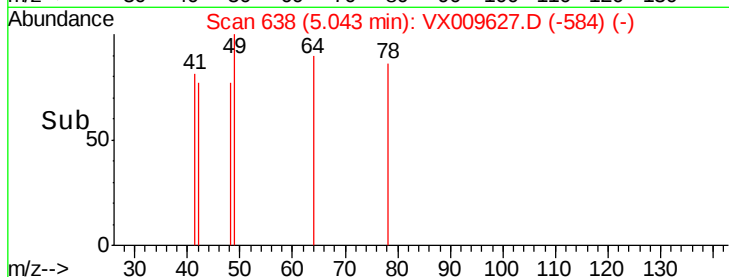
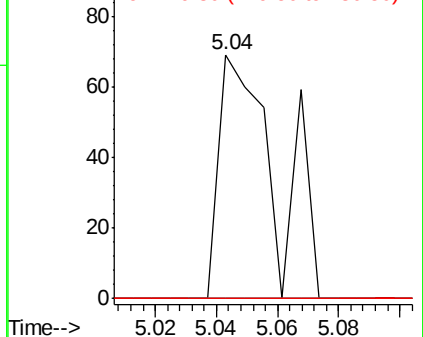
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

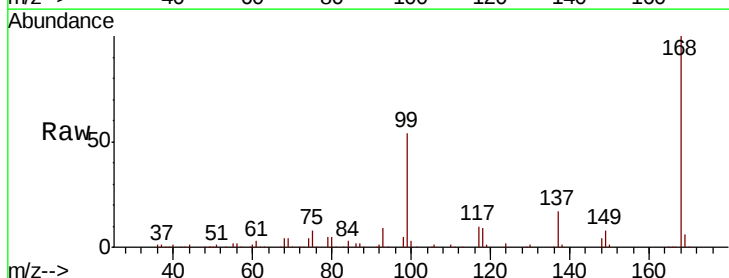
Tgt Ion: 56 Resp: 3711

Ion Ratio Lower Upper

56 100

69 166.9 23.4 35.0#

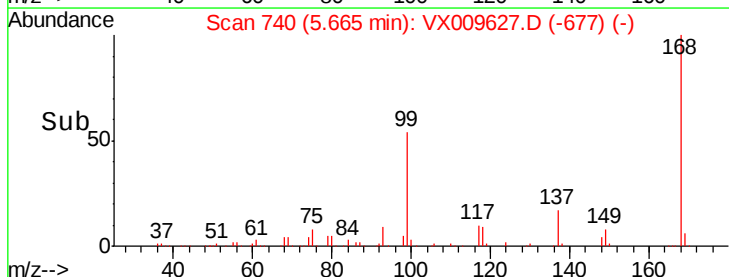
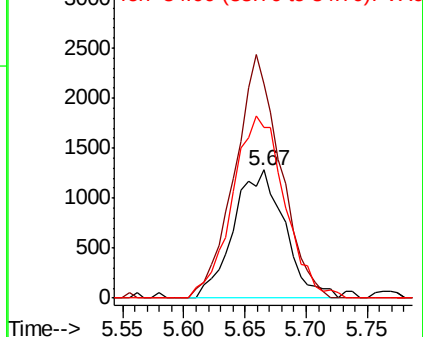
84 132.7 61.9 92.9#



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: 48.836 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

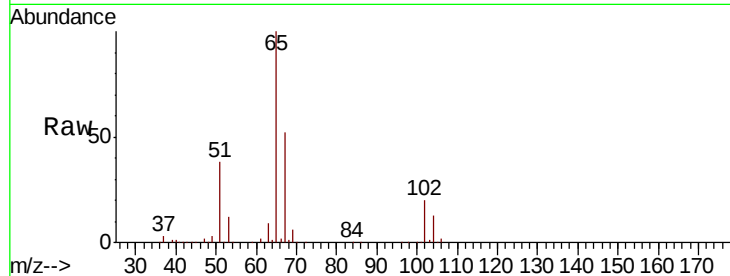
Z4-TB07-190514

Tot Ion: 65 Resp: 112935

Ion Ratio Lower Upper

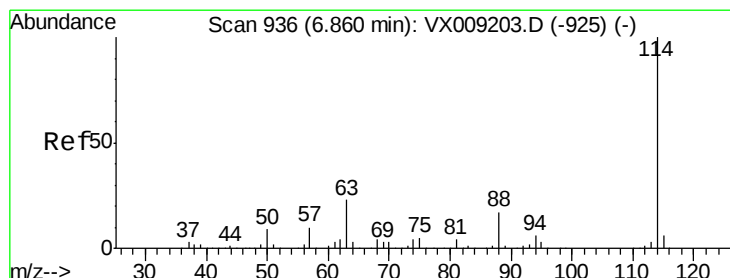
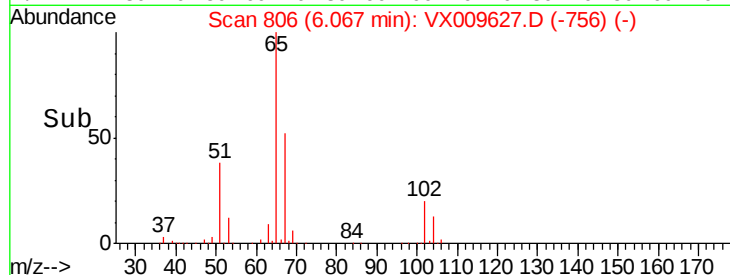
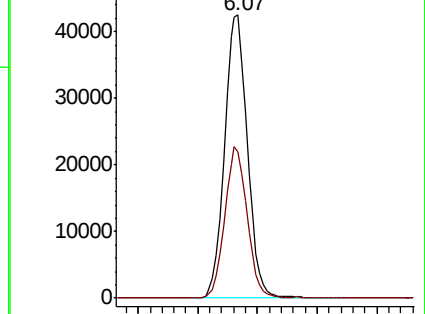
65 100

67 52.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

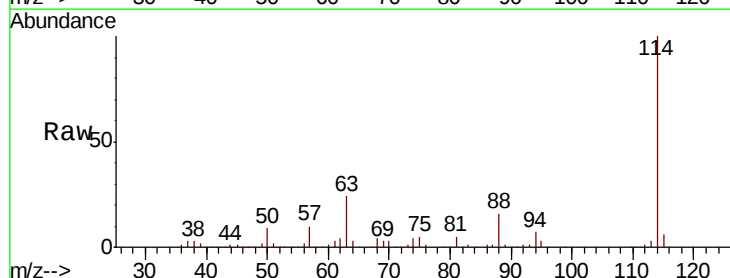
Tgt Ion: 114 Resp: 269099

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.6

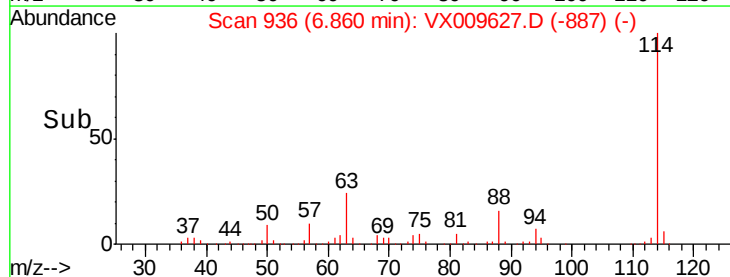
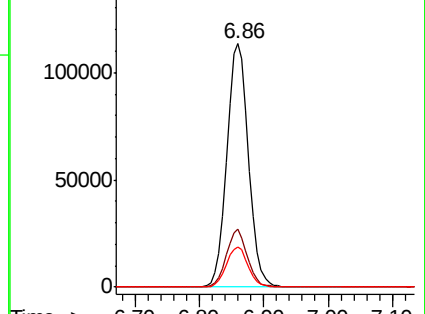
88 16.4 0.0 33.2

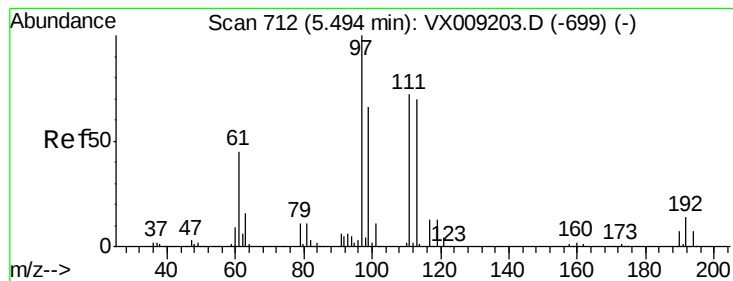


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.717 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

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ClientSampleId :

Z4-TB07-190514

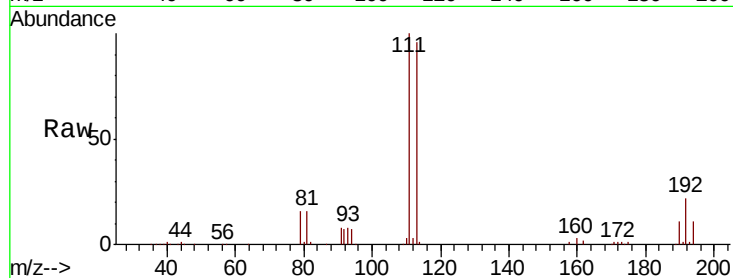
Tot Ion:113 Resp: 82413

Ion Ratio Lower Upper

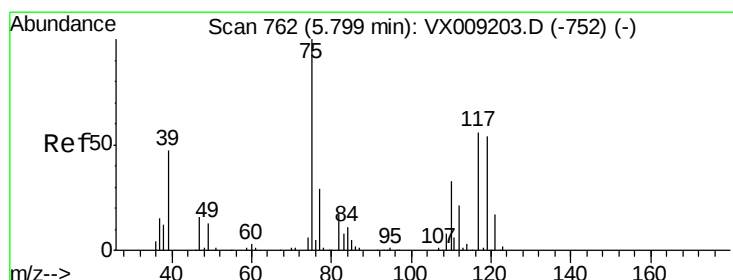
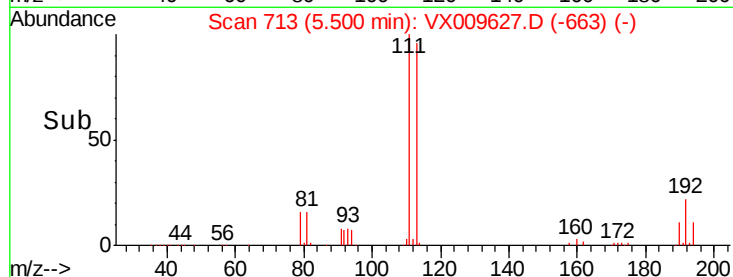
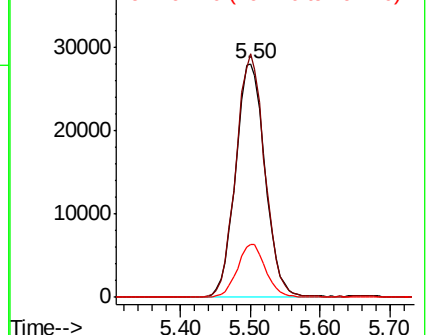
113 100

111 101.3 82.8 124.2

192 21.7 17.0 25.6



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: 5.245 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

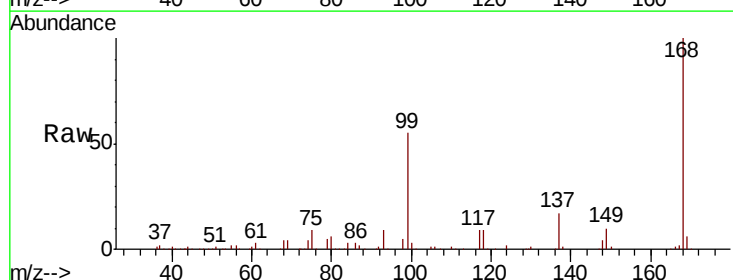
Tgt Ion: 75 Resp: 13117

Ion Ratio Lower Upper

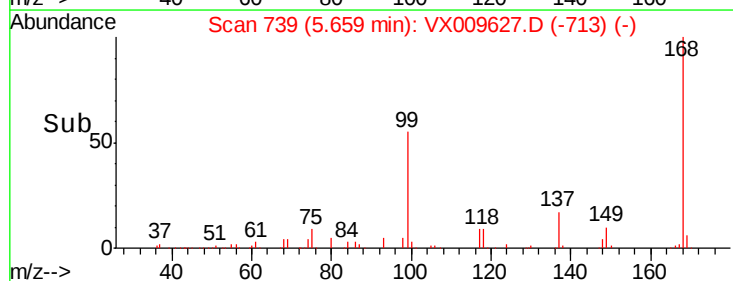
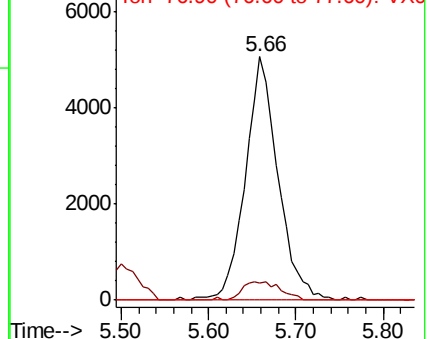
75 100

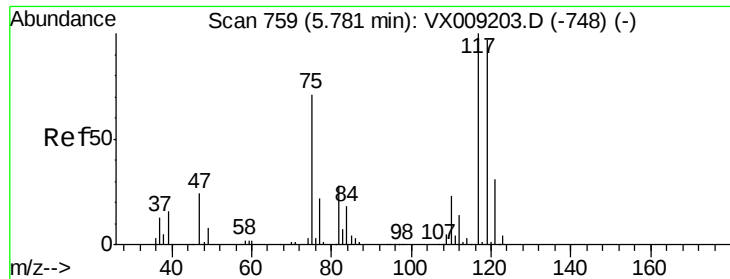
110 8.7 16.9 50.6#

77 0.0 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 6.938 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB07-190514

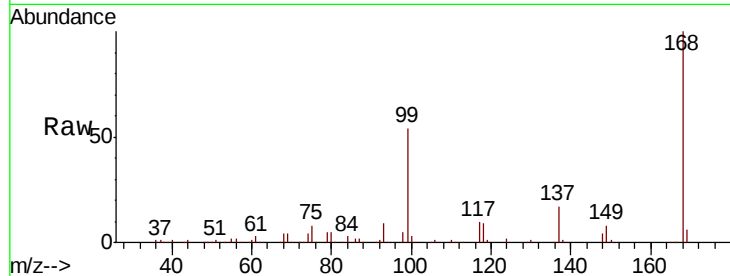
Tot Ion:117 Resp: 15764

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

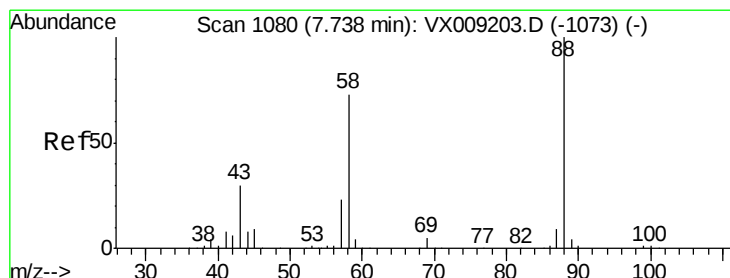
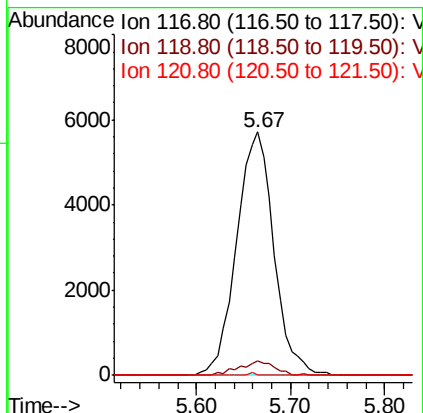
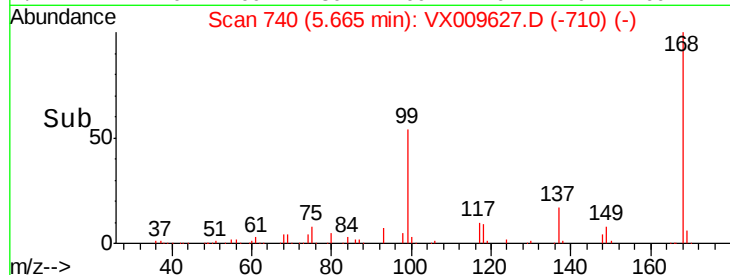
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.357 ug/l

RT: 7.79 min Scan# 1089

Delta R.T. 0.05 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

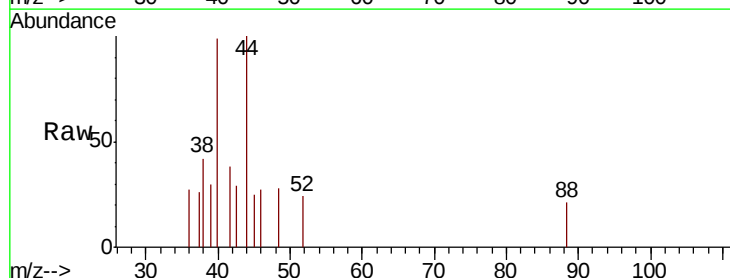
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 455.0 28.6 42.8#

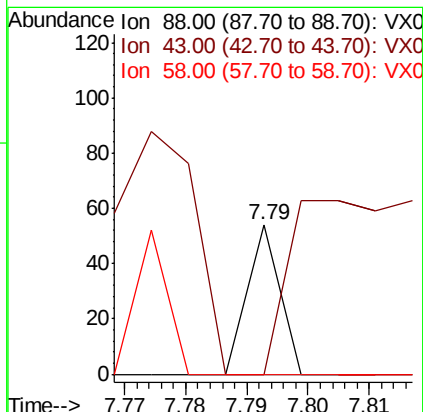
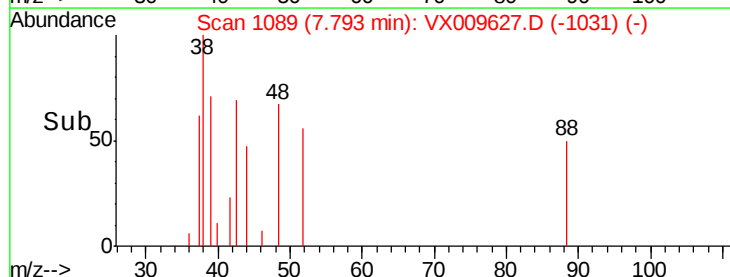
58 0.0 61.7 92.5#

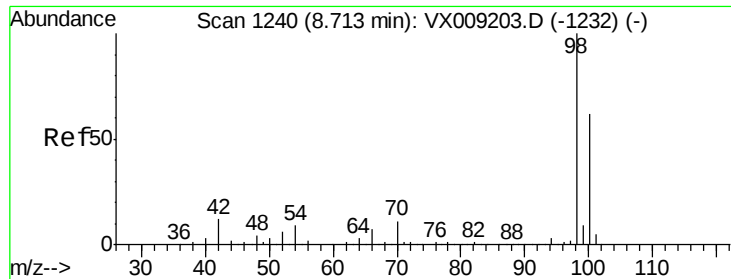


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

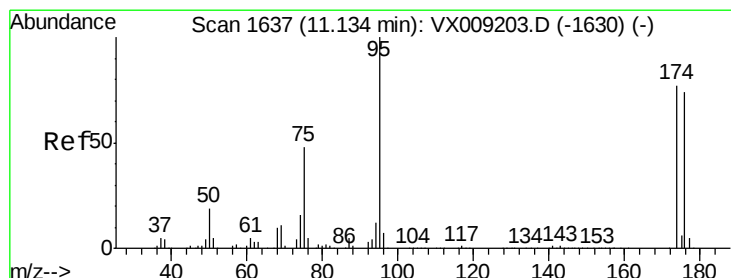
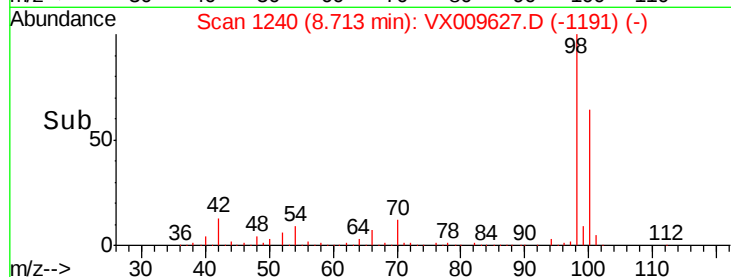
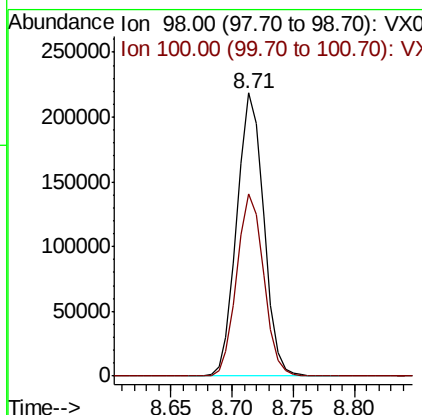
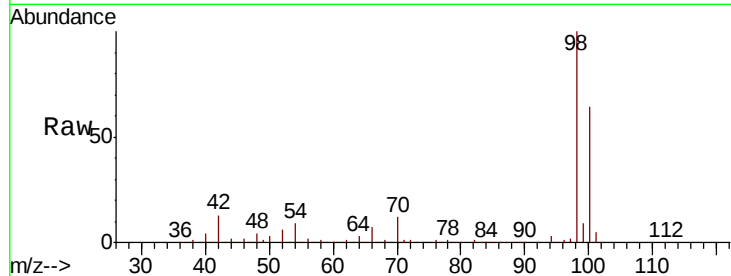




#50
Toluene-d8
Concen: 48.914 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

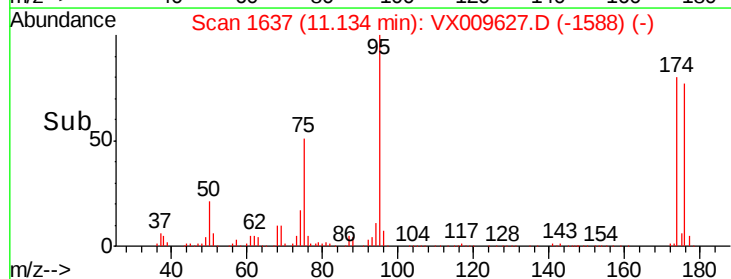
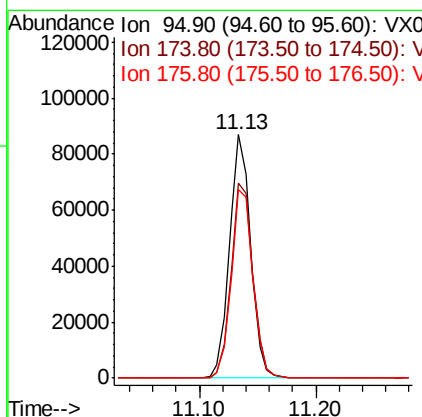
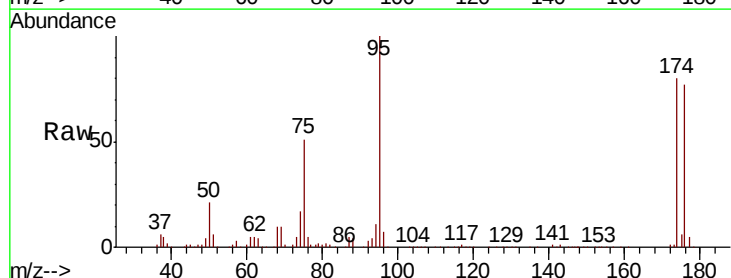
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB07-190514

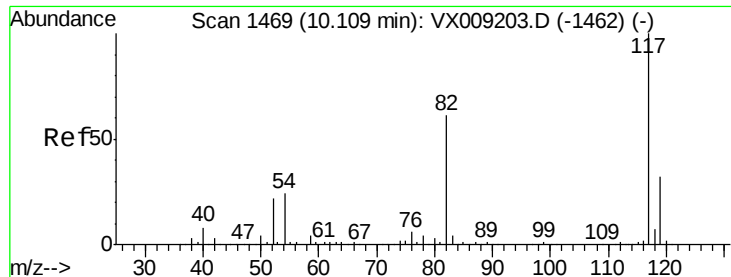
Tot Ion: 98 Resp: 334069
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.180 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Tgt Ion: 95 Resp: 109639
Ion Ratio Lower Upper
95 100
174 82.6 0.0 161.6
176 79.6 0.0 159.2

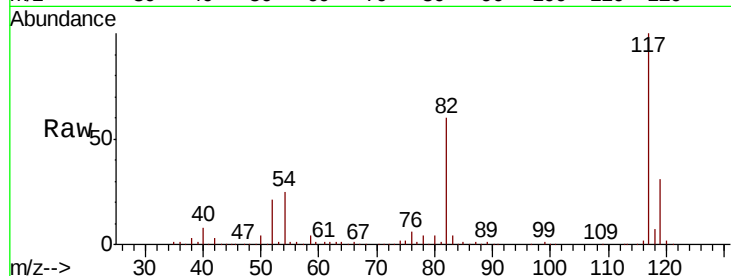




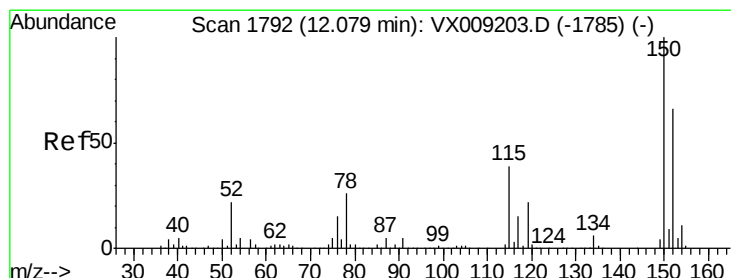
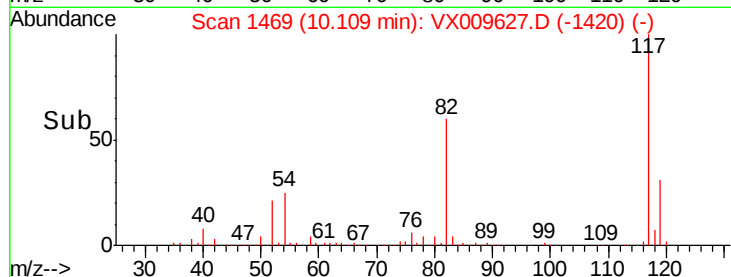
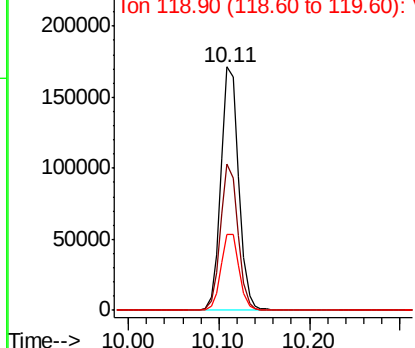
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB07-190514

Tot Ion:117 Resp: 234018
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 31.3 25.8 38.6

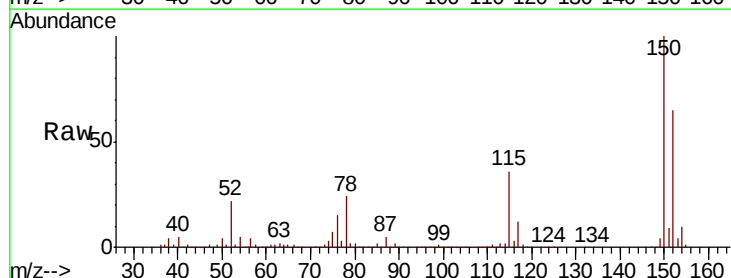


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

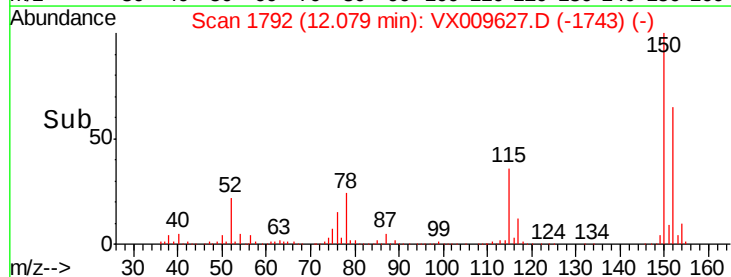
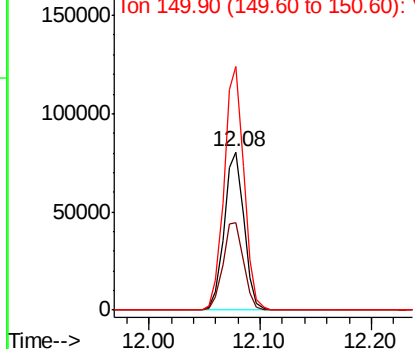


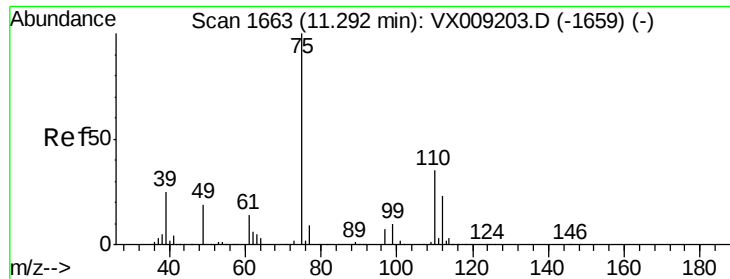
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009627.D
Acq: 16 May 2019 23:46

Tgt Ion:152 Resp: 98645
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 154.3 0.0 346.4



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





#76

1,2,3-Trichloropropane

Concen: 24.536 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

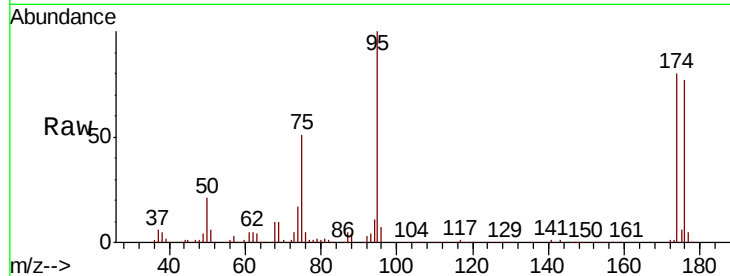
Z4-TB07-190514

Tot Ion: 75 Resp: 56144

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

50000

40000

30000

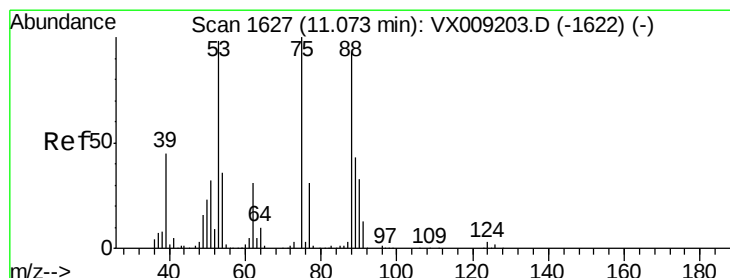
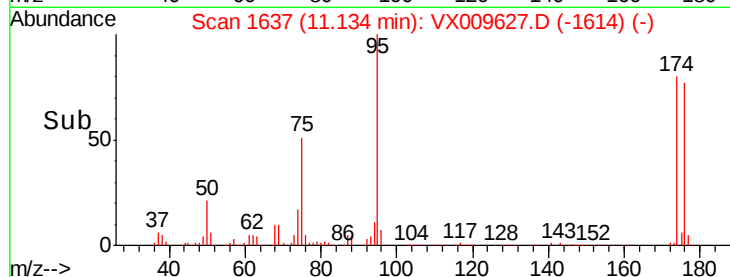
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 62.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009627.D

Acq: 16 May 2019 23:46

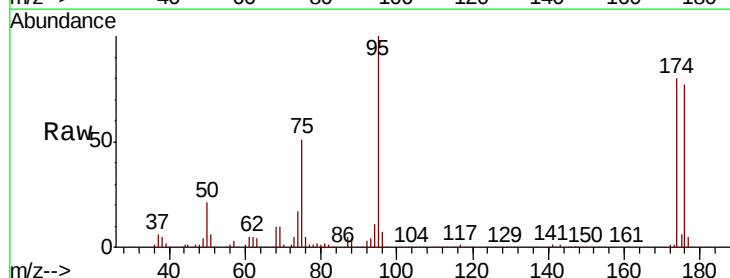
Tgt Ion: 75 Resp: 56144

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

