

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009628.D
 Acq On : 17 May 2019 00:10
 Operator : JC/SP
 Sample : K2887-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB08-190514

Quant Time: May 17 06:43:05 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	176152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280449	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108549	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	116162	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.50	113	85495	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	353772	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	118551	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

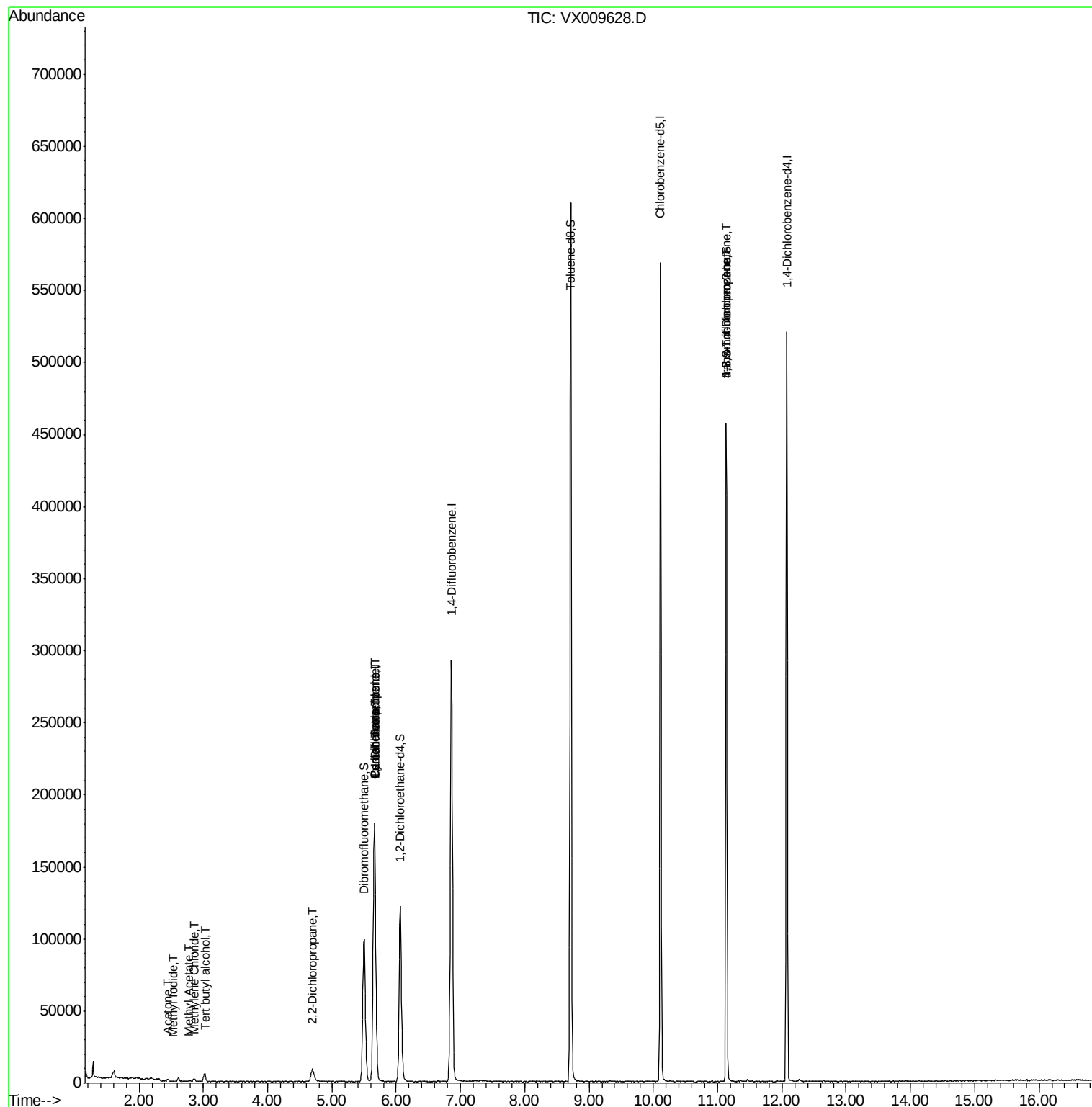
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	23	4.605	ug/l #	42
11) Tert butyl alcohol	3.03	59	3511	6.308	ug/l #	76
16) Acetone	2.44	43	1906	1.476	ug/l	99
18) Methyl Acetate	2.78	43	1071	0.349	ug/l	99
20) Methylene Chloride	2.85	84	935	0.447	ug/l #	90
26) 2,2-Dichloropropane	4.70	77	768	0.270	ug/l #	53
28) Bromochloromethane	5.01	49	94	Below Cal	#	20
31) Cyclohexane	5.66	56	4054	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13742	5.273	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16743	7.071	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59873	23.779	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59873	60.841	ug/l #	10

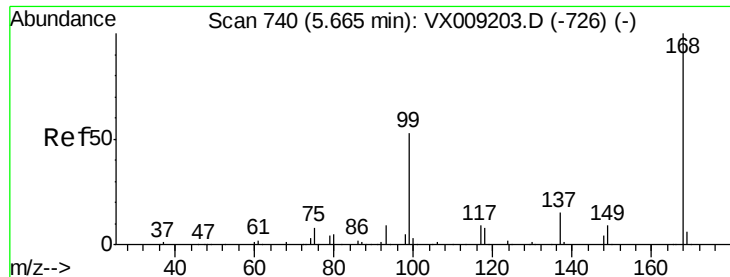
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

Instrument :

MSVOA_X

ClientSampleId :

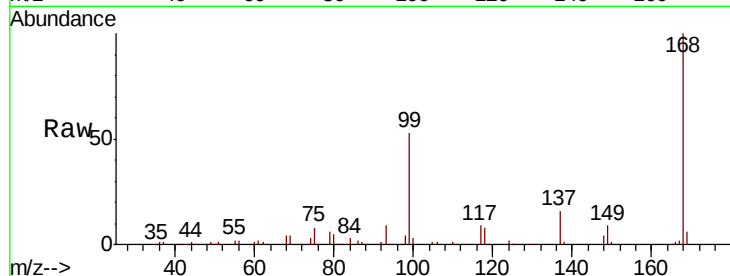
Z4-TB08-190514

Tot Ion:168 Resp: 176152

Ion Ratio Lower Upper

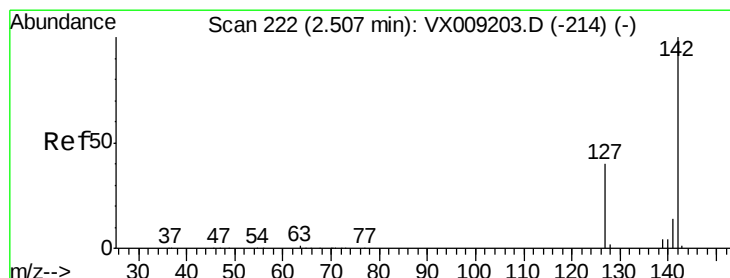
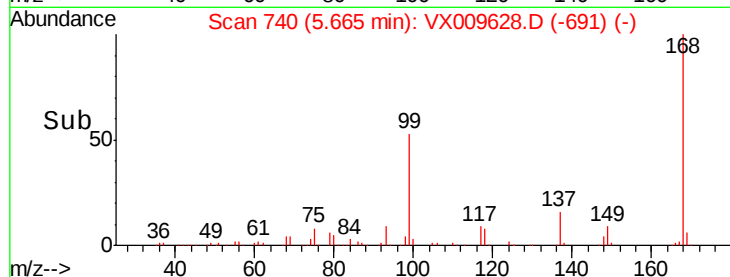
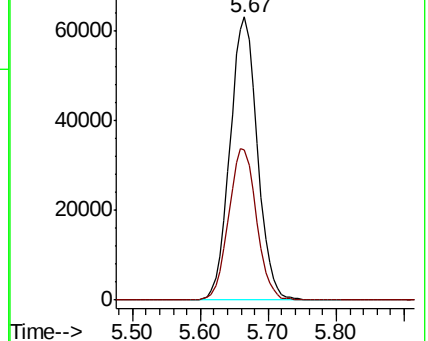
168 100

99 52.9 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: 4.605 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

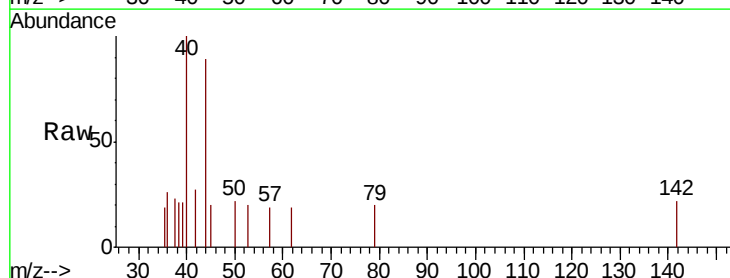
Tgt Ion:142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

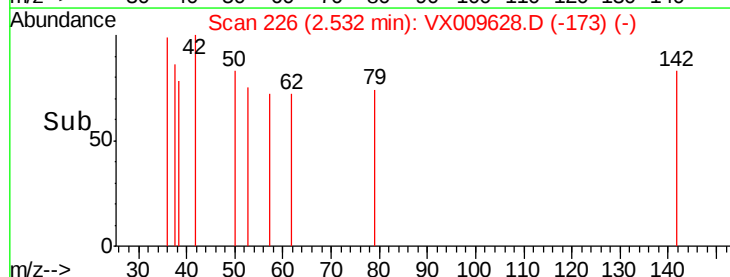
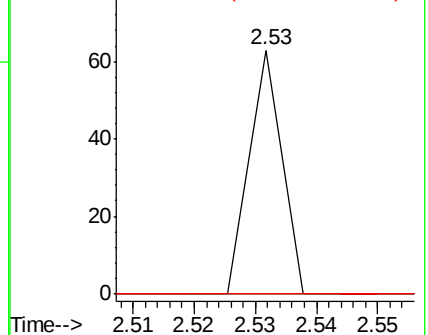
141 0.0 11.5 17.3#

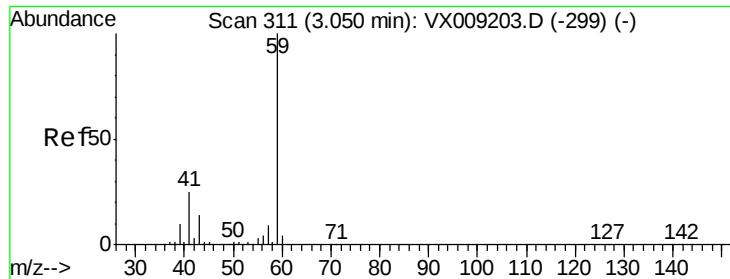


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

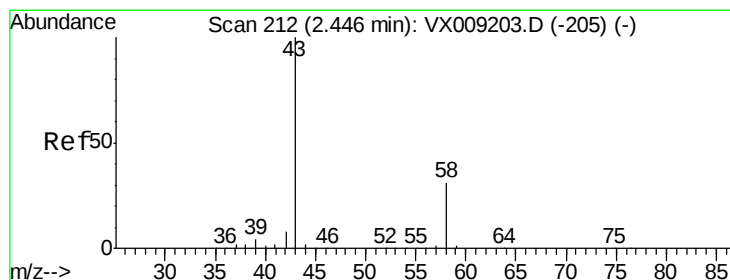
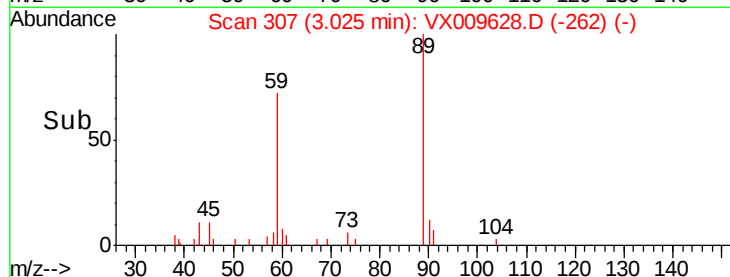
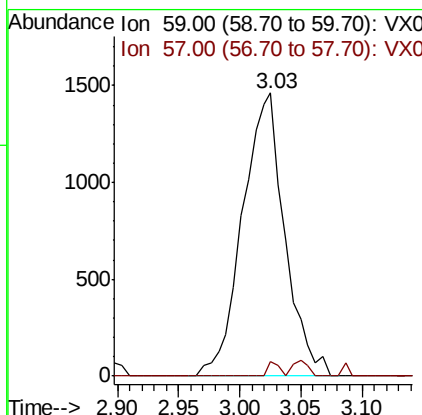
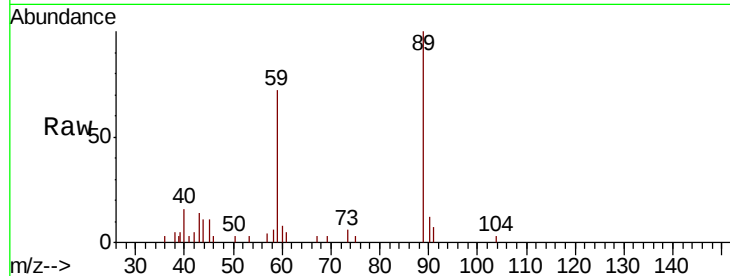




#11
Tert butyl alcohol
Concen: 6.308 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

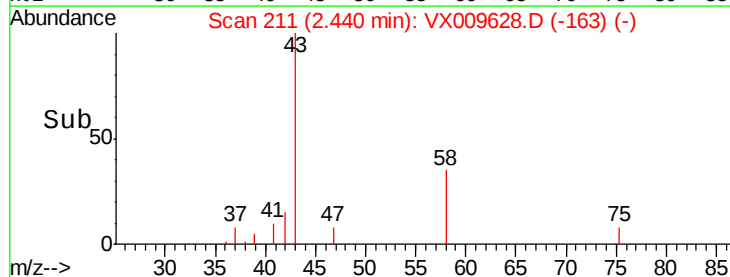
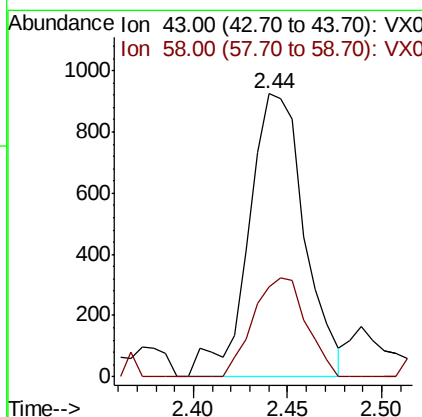
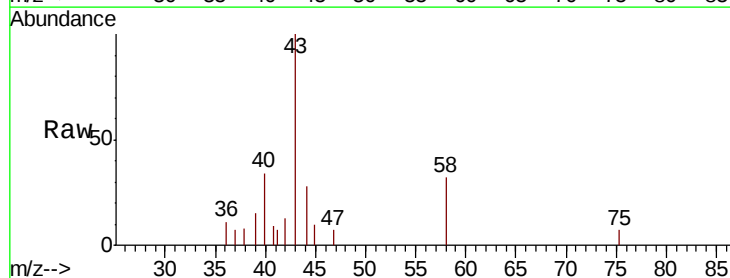
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB08-190514

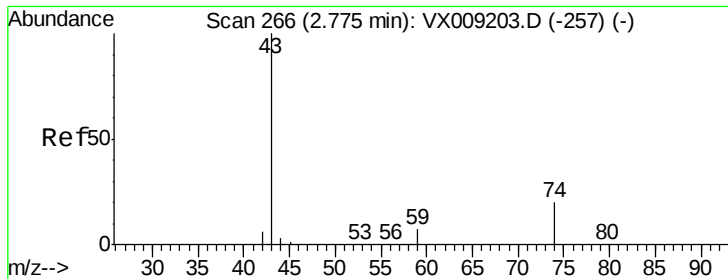
Tot Ion: 59 Resp: 3511
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#



#16
Acetone
Concen: 1.476 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 31.6 24.9 37.3

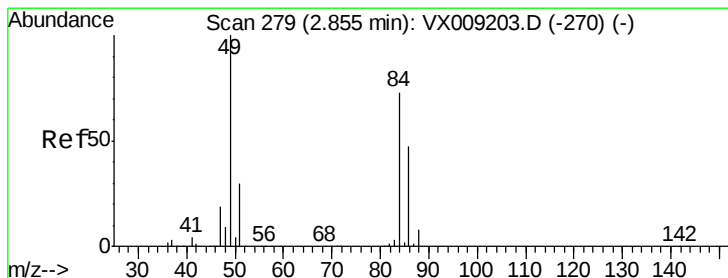
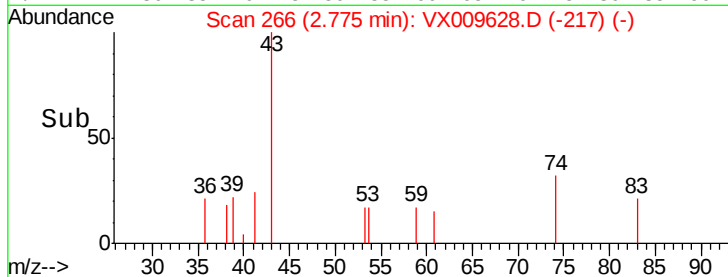
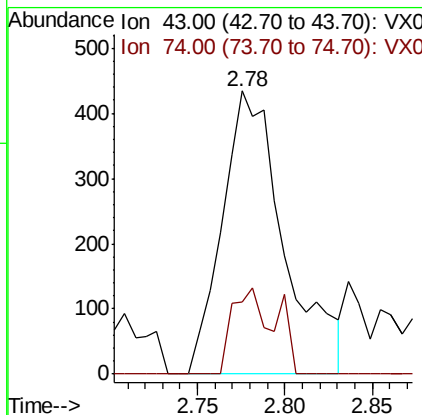
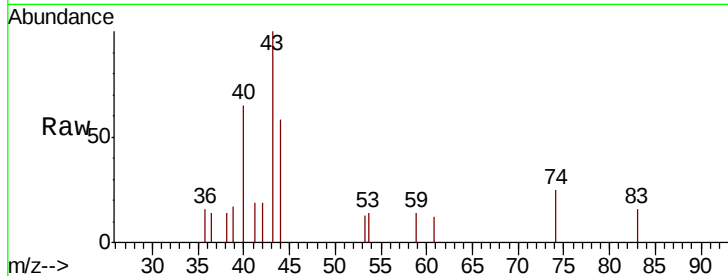




#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

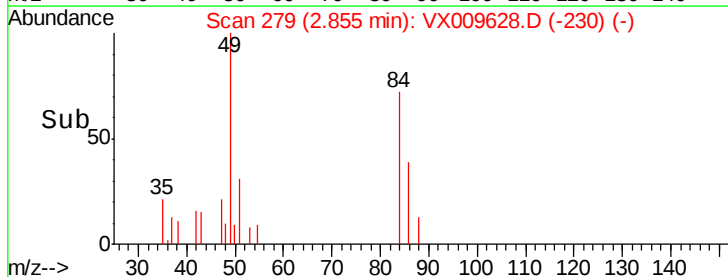
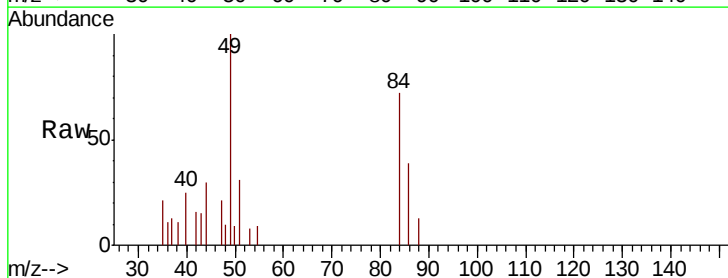
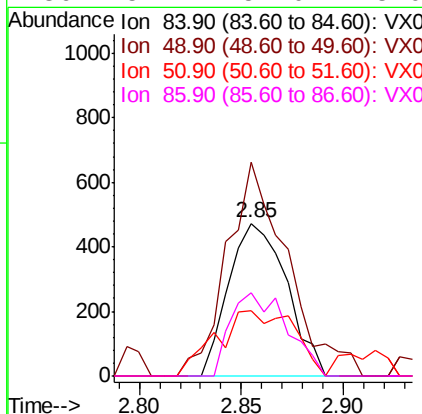
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB08-190514

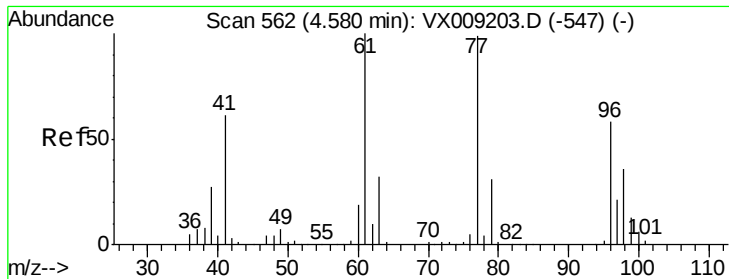
Tot Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4



#20
Methylene Chloride
Concen: 0.447 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

Tgt Ion: 84 Resp: 935
Ion Ratio Lower Upper
84 100
49 128.1 109.9 164.9
51 31.6 32.7 49.1#
86 54.4 52.0 78.0





#26

2,2-Dichloropropane

Concen: 0.270 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.12 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

Instrument :

MSVOA_X

ClientSampleId :

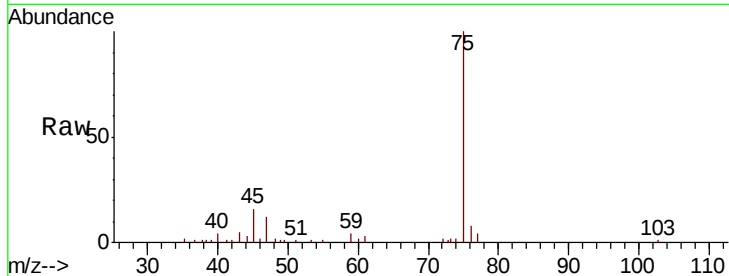
Z4-TB08-190514

Tot Ion: 77 Resp: 768

Ion Ratio Lower Upper

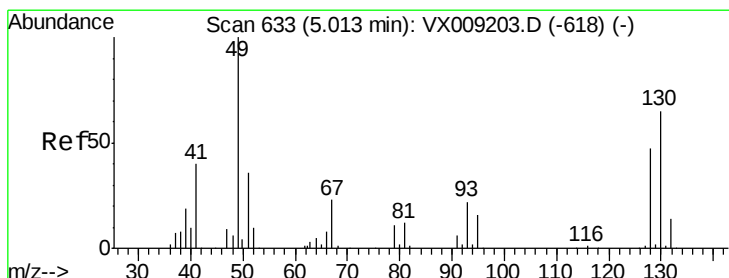
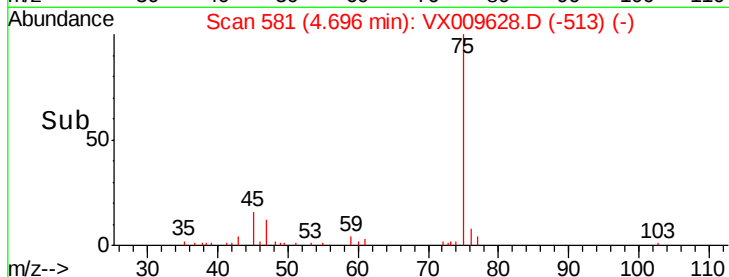
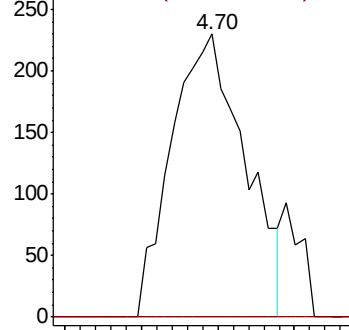
77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

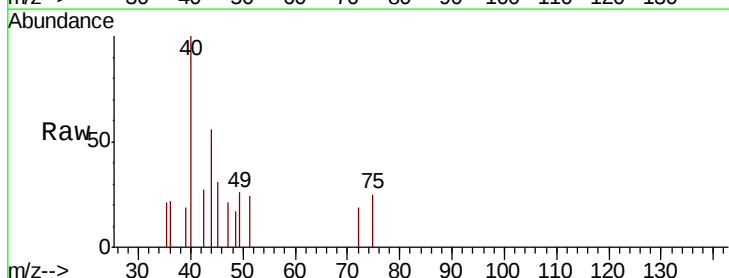
Tgt Ion: 49 Resp: 94

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

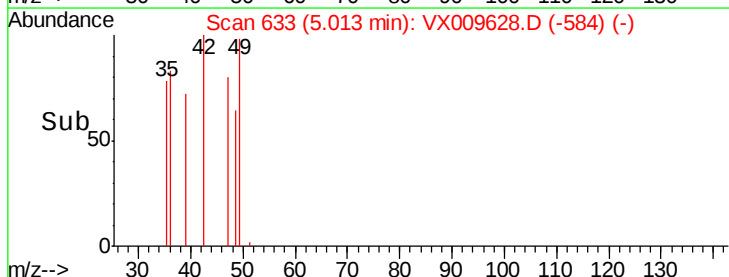
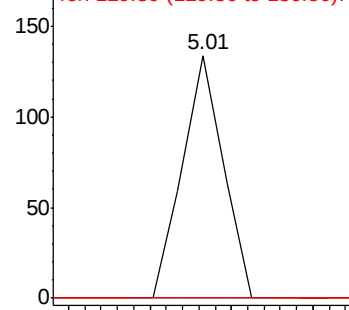
130 0.0 51.2 76.8#

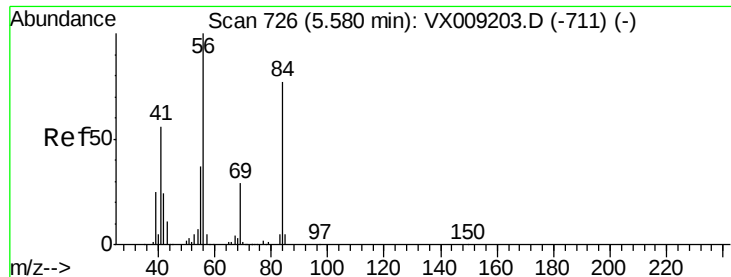


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

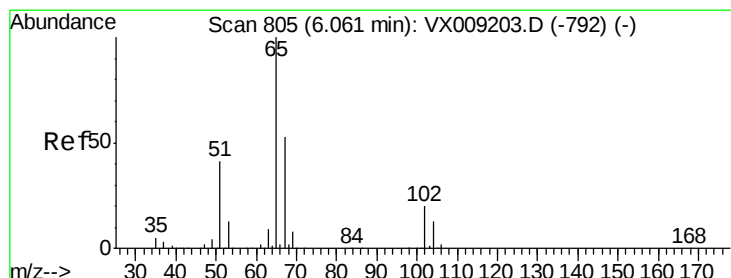
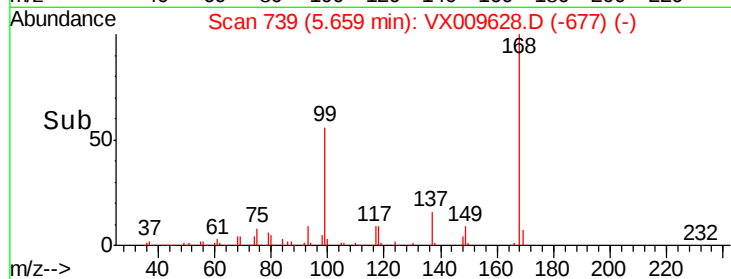
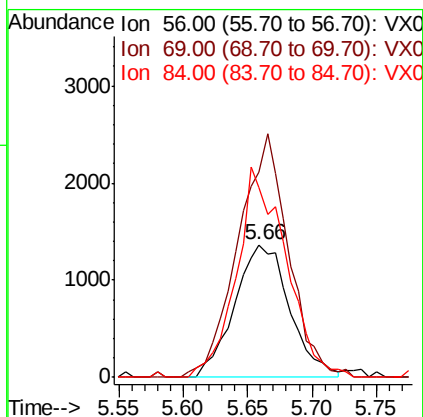
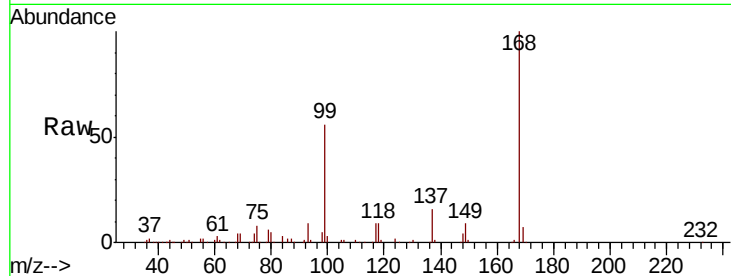




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

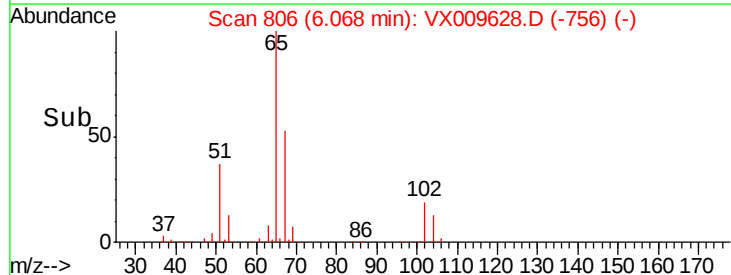
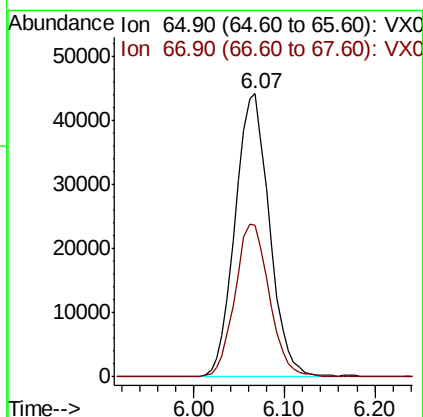
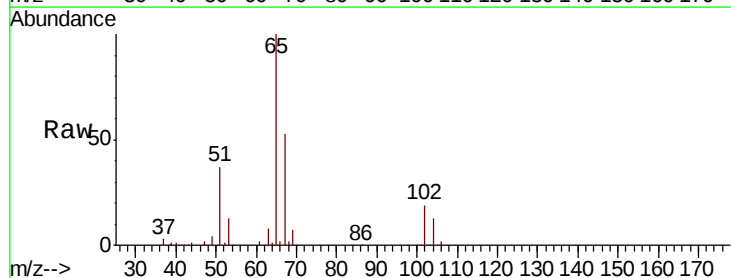
Instrument :
MSVOA_X
ClientSampleId :
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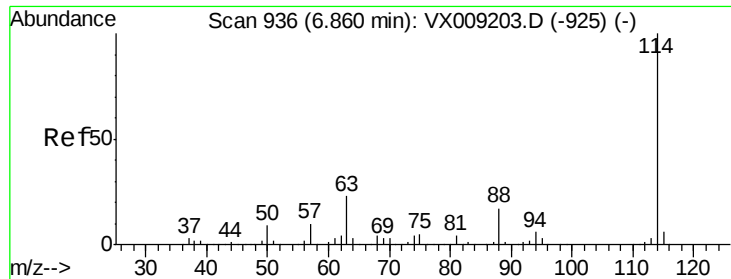
Tot Ion: 56 Resp: 4054
Ion Ratio Lower Upper
56 100
69 151.4 23.4 35.0#
84 143.6 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.307 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

Tgt Ion: 65 Resp: 116162
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.6

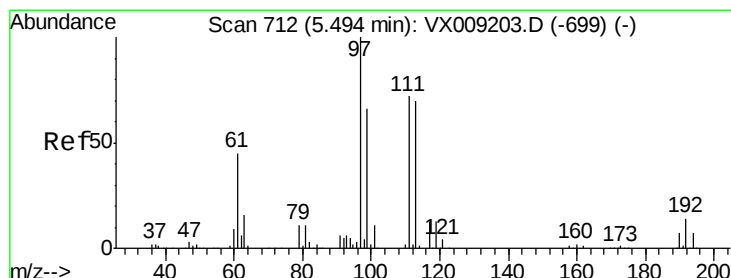
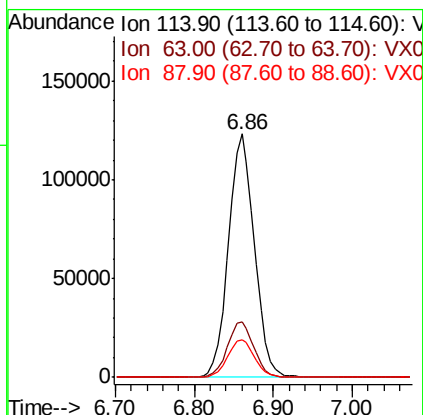
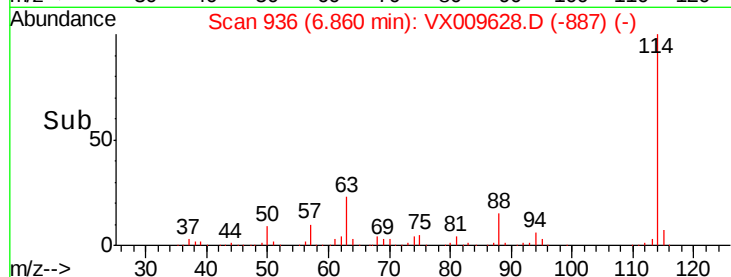
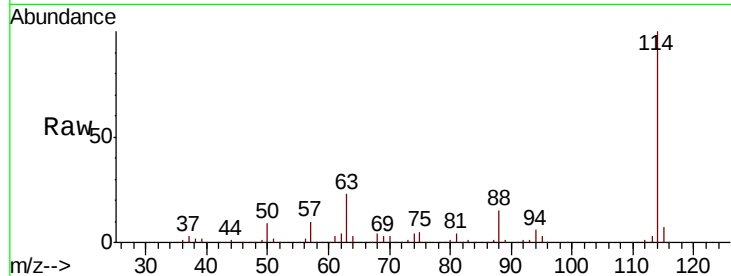




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009628.D
 Acq: 17 May 2019 00:10

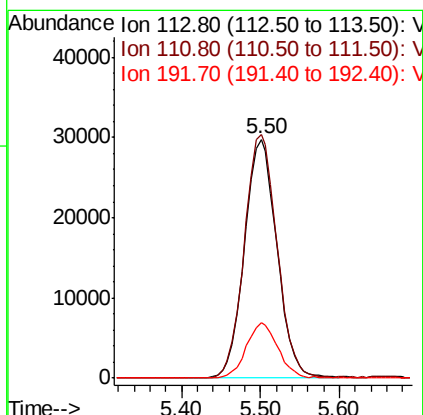
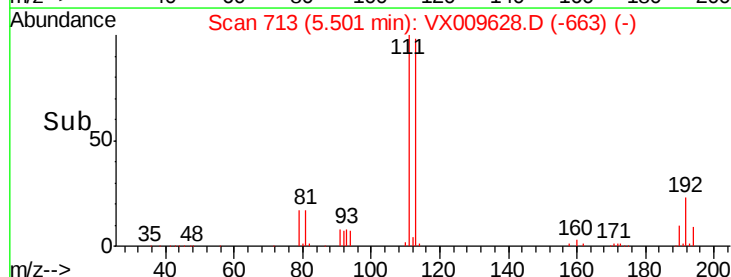
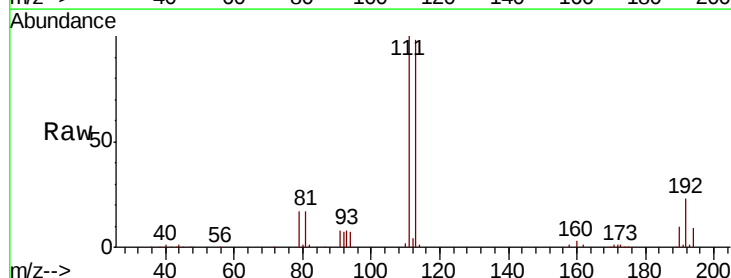
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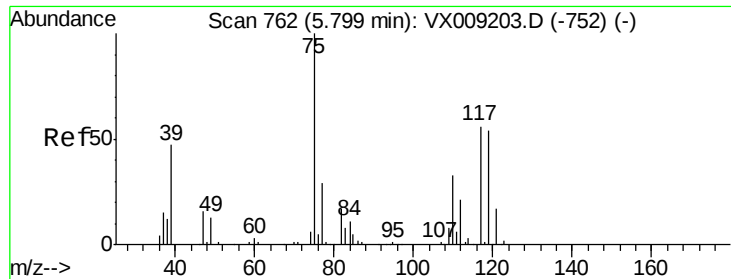
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	15.4	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.494 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009628.D
 Acq: 17 May 2019 00:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	22.4	17.0	25.6

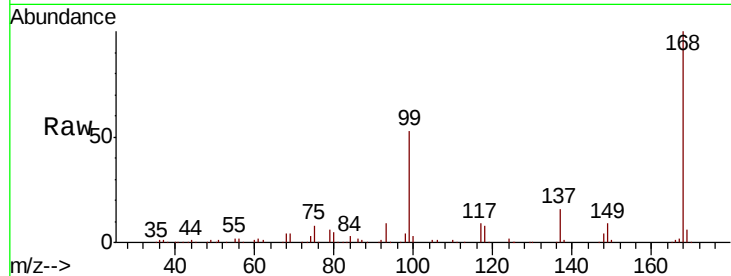




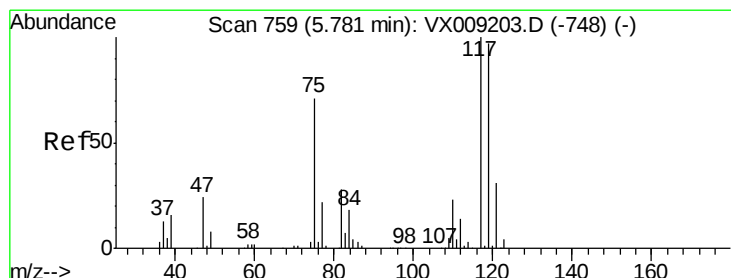
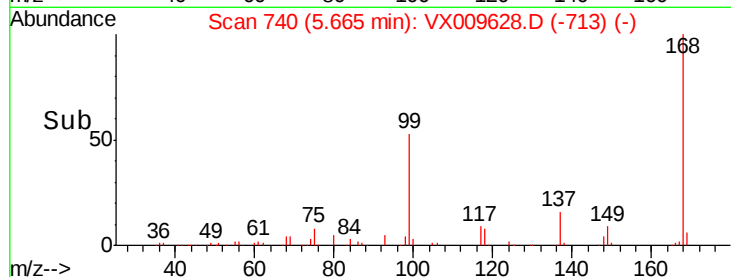
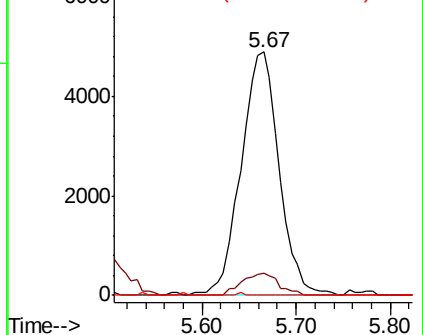
#36
 1,1-Dichloropropene
 Concen: 5.273 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009628.D
 Acq: 17 May 2019 00:10

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB08-190514

Tot Ion: 75 Resp: 13742
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#

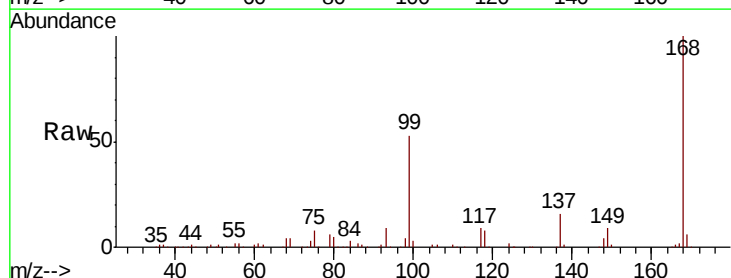


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

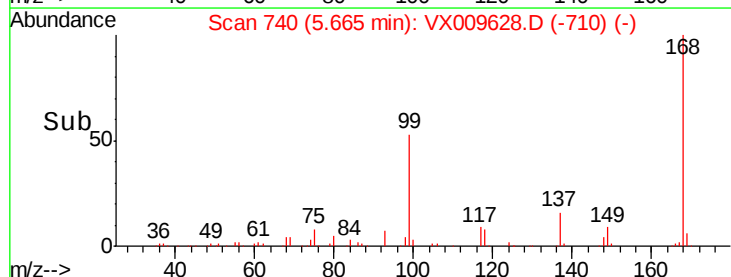
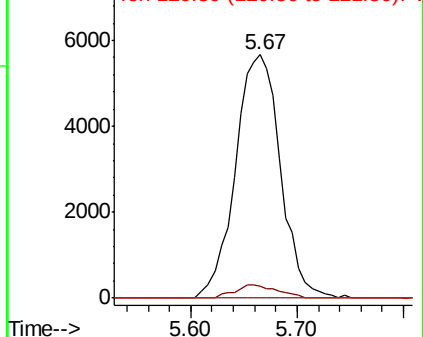


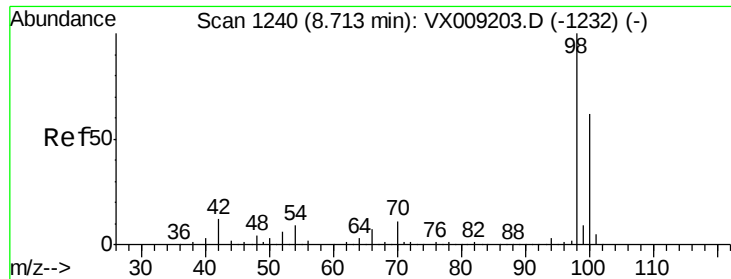
#38
 Carbon Tetrachloride
 Concen: 7.071 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009628.D
 Acq: 17 May 2019 00:10

Tgt Ion: 117 Resp: 16743
 Ion Ratio Lower Upper
 117 100
 119 4.8 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

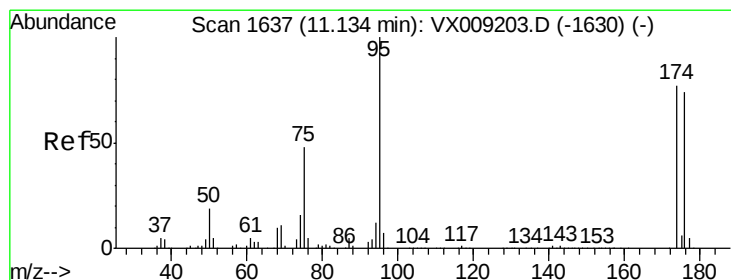
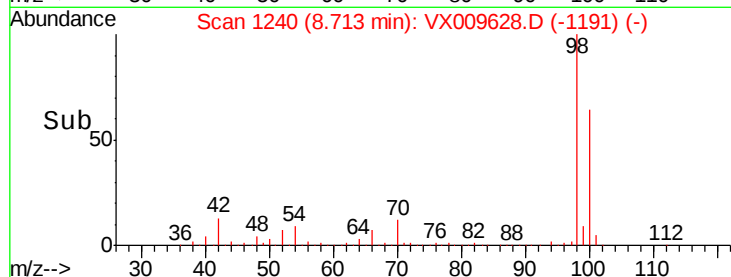
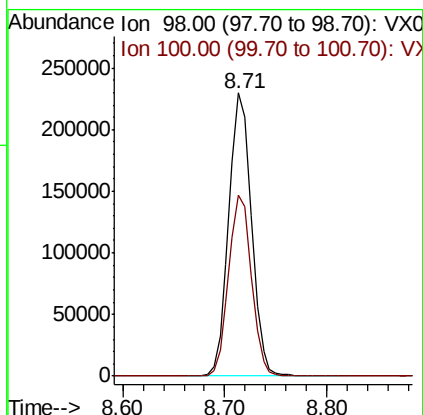
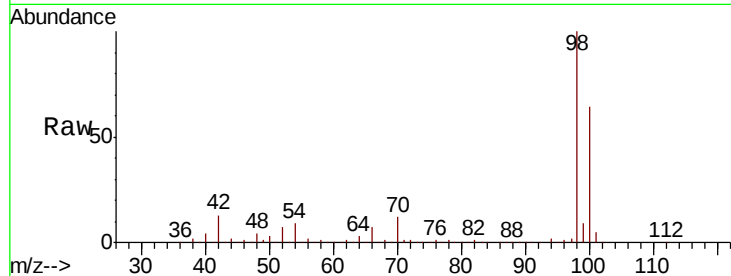




#50
Toluene-d8
Concen: 49.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

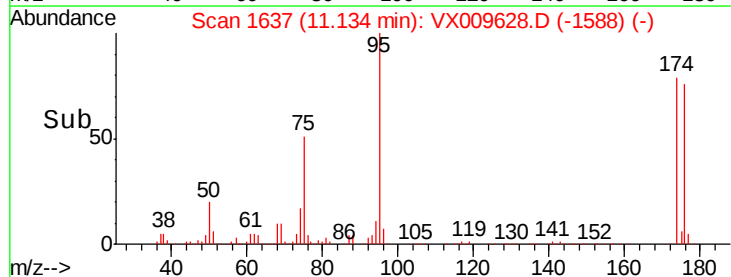
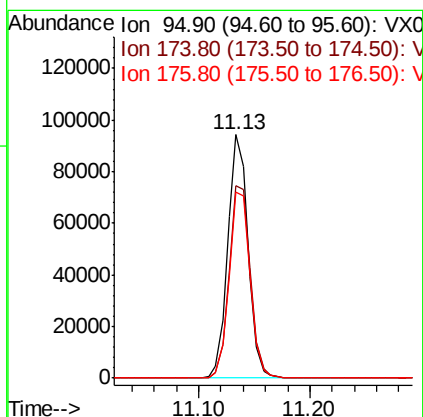
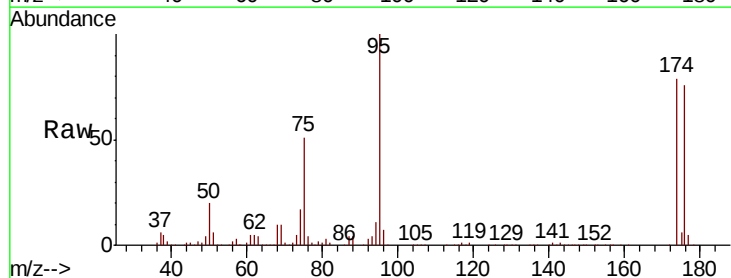
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB08-190514

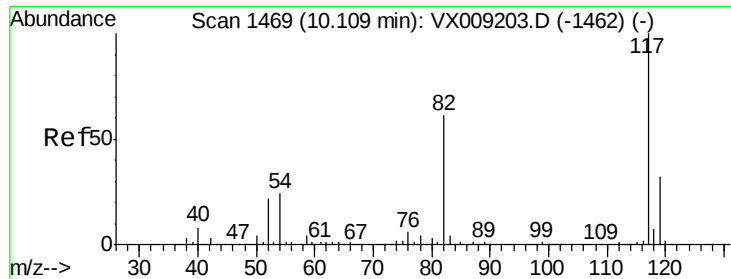
Tot Ion: 98 Resp: 353772
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.838 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

Tgt Ion: 95 Resp: 118551
Ion Ratio Lower Upper
95 100
174 83.0 0.0 161.6
176 79.7 0.0 159.2

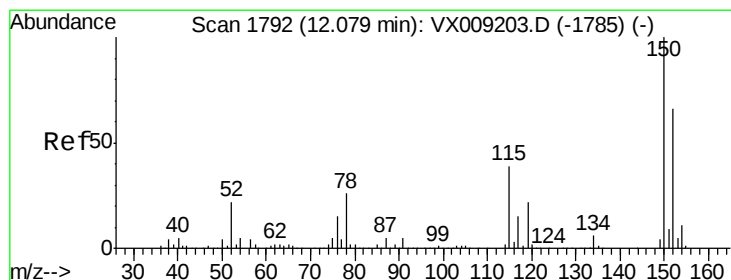
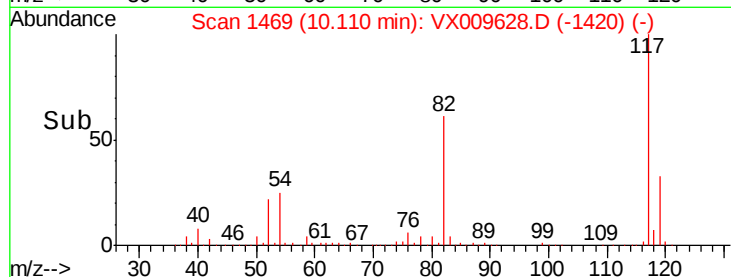
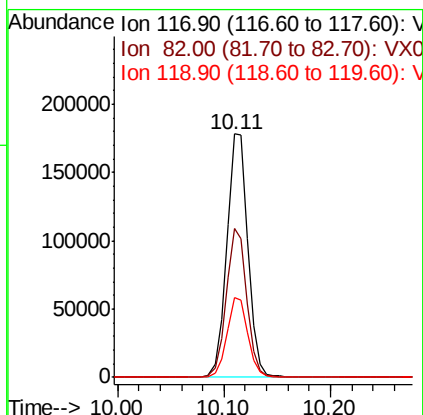
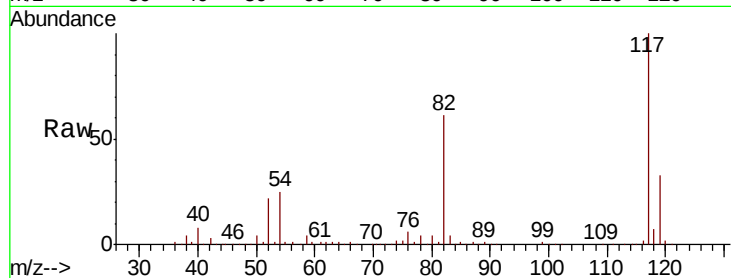




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

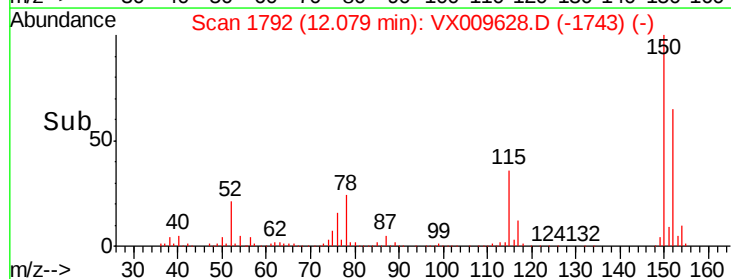
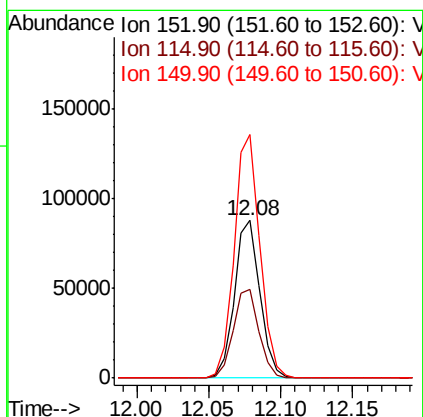
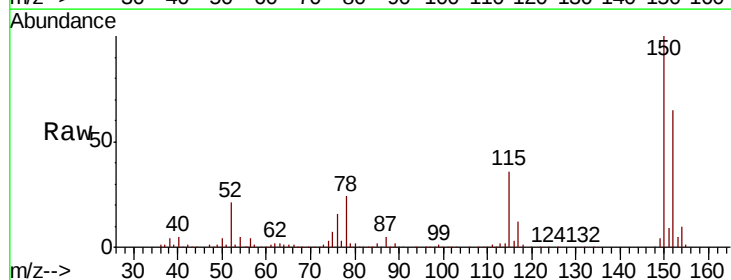
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB08-190514

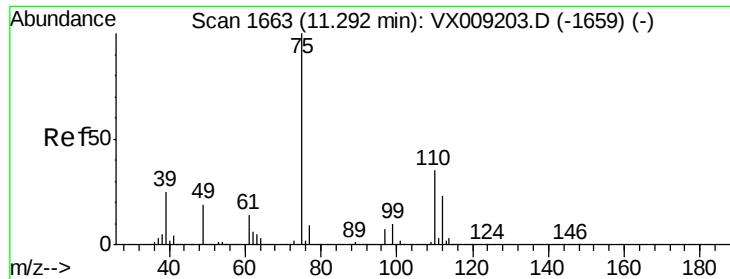
Tot Ion:117 Resp: 247917
Ion Ratio Lower Upper
117 100
82 61.4 48.8 73.2
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009628.D
Acq: 17 May 2019 00:10

Tgt Ion:152 Resp: 108549
Ion Ratio Lower Upper
152 100
115 57.2 41.2 123.6
150 155.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

Instrument :

MSVOA_X

ClientSampleId :

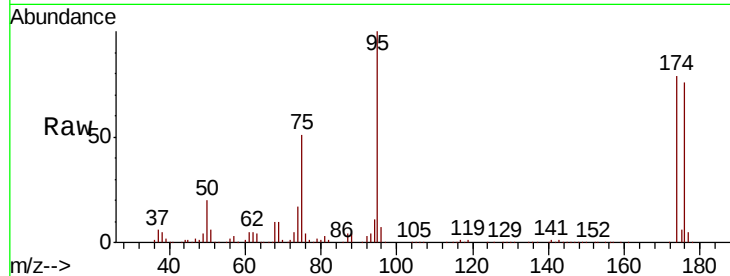
Z4-TB08-190514

Tot Ion: 75 Resp: 59873

Ion Ratio Lower Upper

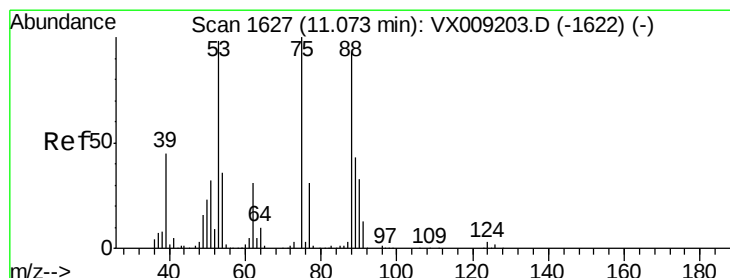
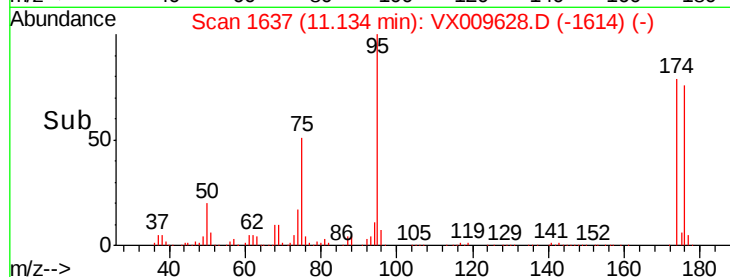
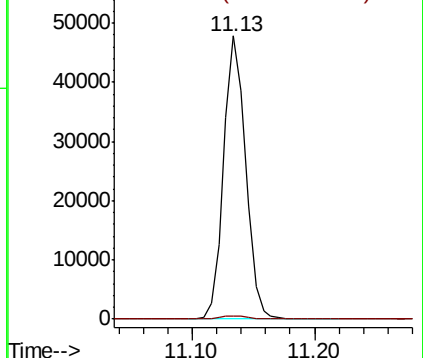
75 100

77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.841 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009628.D

Acq: 17 May 2019 00:10

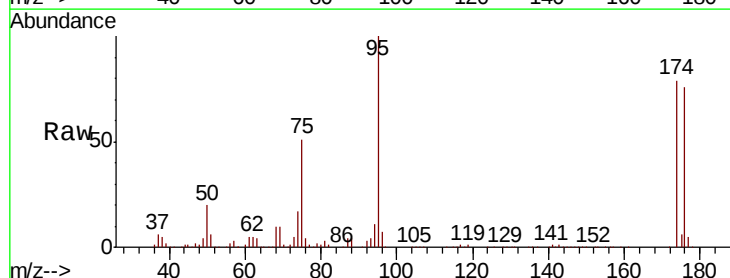
Tgt Ion: 75 Resp: 59873

Ion Ratio Lower Upper

75 100

53 0.2 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

