

Data File : VX017235.D
Acq On : 08 Jul 2020 04:23
Operator : JC/SP
Sample : L3232-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1009-MW-16

Quant Time: Jul 08 06:12:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	415792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166987	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
35) Dibromofluoromethane	5.47	113	143418	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	8.70	98	507904	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.12	95	207057	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

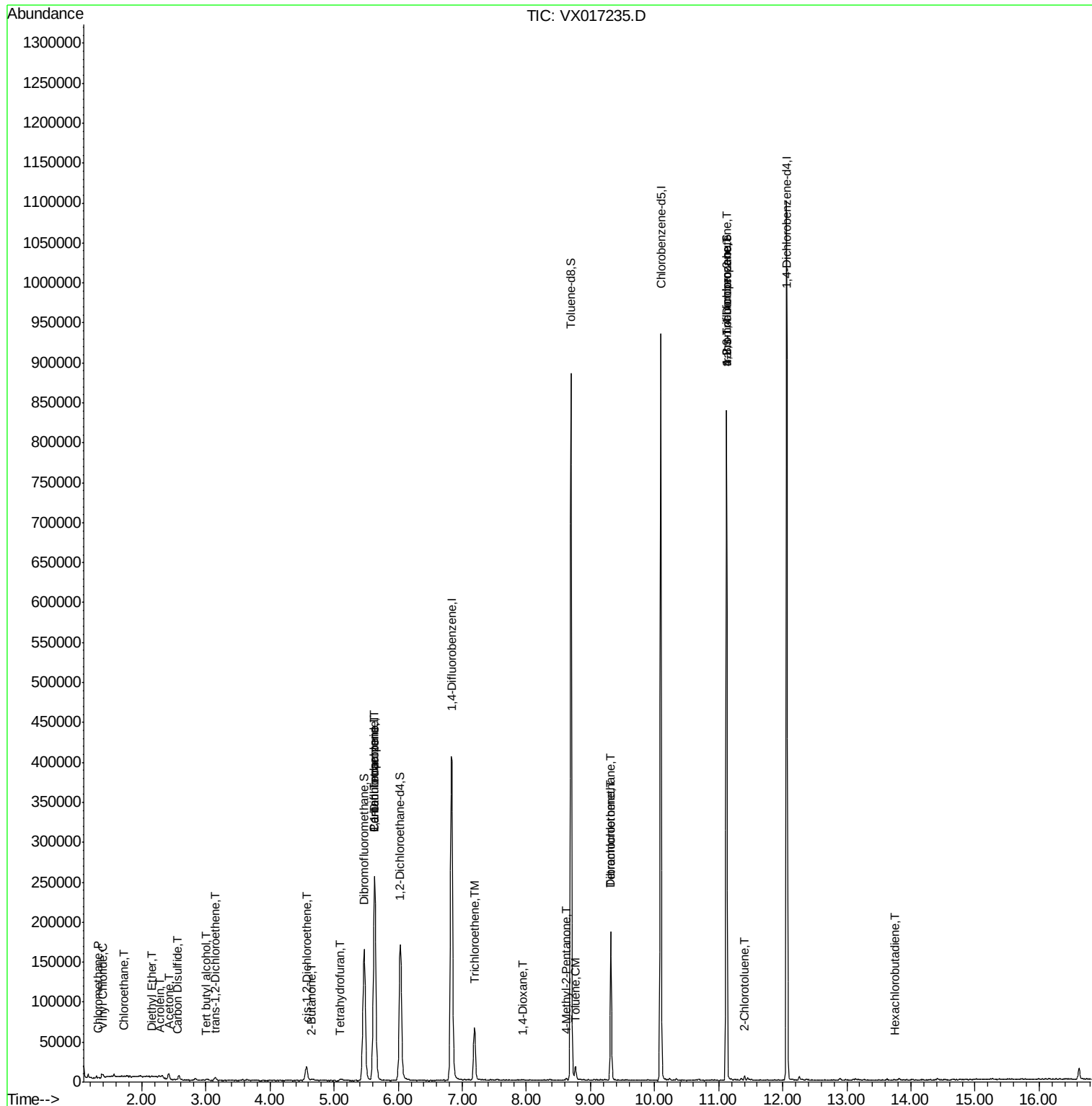
Target Compounds				Qvalue		
3) Chloromethane	1.31	50	773	0.270	ug/l	93
4) Vinyl Chloride	1.40	62	893	0.336	ug/l #	86
6) Chloroethane	1.71	64	396	0.252	ug/l	96
8) Diethyl Ether	2.16	74	200	0.516	ug/l	91
11) Tert butyl alcohol	3.01	59	1797	3.126	ug/l #	73
13) Acrolein	2.28	56	531	1.545	ug/l #	56
16) Acetone	2.42	43	8579	7.611	ug/l	96
17) Carbon Disulfide	2.55	76	1220	0.204	ug/l	96
20) Methylene Chloride	2.84	84	789	Below Cal	#	79
21) trans-1,2-Dichloroethene	3.15	96	1596	0.595	ug/l #	80
25) 2-Butanone	4.64	43	1824	0.971	ug/l #	76
27) cis-1,2-Dichloroethene	4.57	96	10986	3.613	ug/l	88
29) Tetrahydrofuran	5.09	42	786	0.633	ug/l #	63
36) 1,1-Dichloropropene	5.63	75	17622	4.484	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24296	5.613	ug/l #	17
44) Trichloroethene	7.19	130	25962	7.888	ug/l	95
49) 1,4-Dioxane	7.95	88	32	0.449	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	1482	0.375	ug/l	96
52) Toluene	8.76	92	5625	0.780	ug/l	92
60) Dibromochloromethane	9.32	129	33425	9.771	ug/l #	10
64) Tetrachloroethene	9.32	164	36613	10.534	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	103443	22.676	ug/l #	37
79) 2-Chlorotoluene	11.41	91	2241	0.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	103443	58.722	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	306	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	45	0.868	ug/l #	17

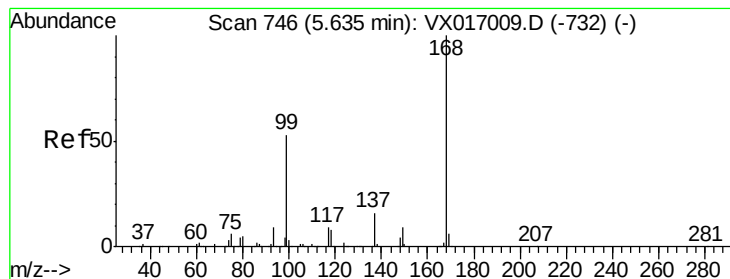
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampleId :

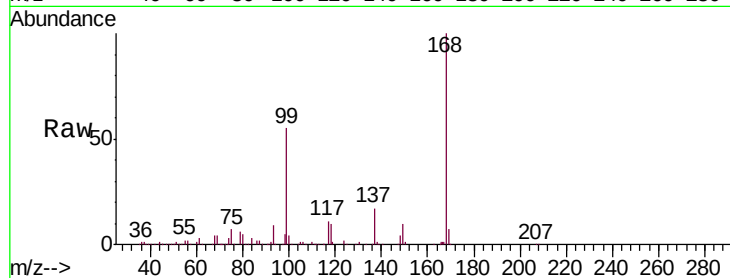
1009-MW-16

Tgt Ion:168 Resp: 244415

Ion Ratio Lower Upper

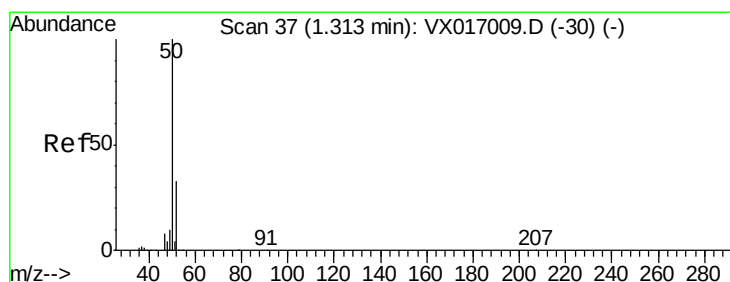
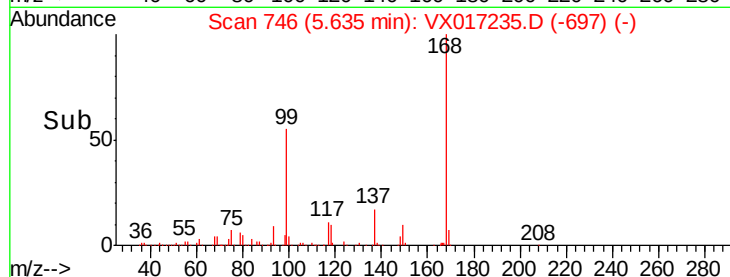
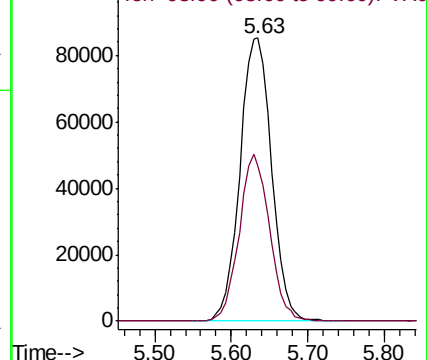
168 100

99 55.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.270 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017235.D

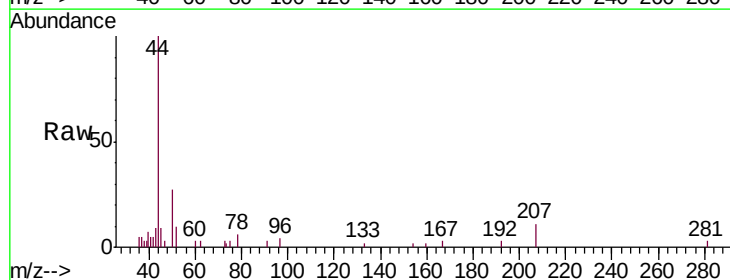
Acq: 08 Jul 2020 04:23

Tgt Ion: 50 Resp: 773

Ion Ratio Lower Upper

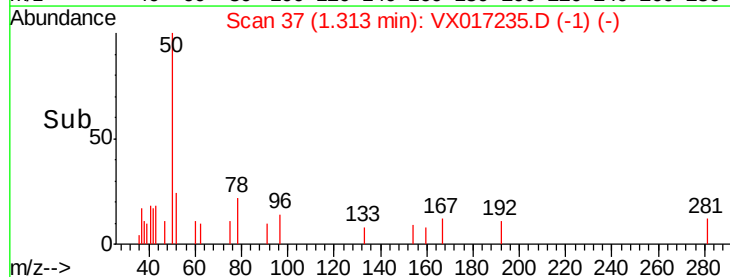
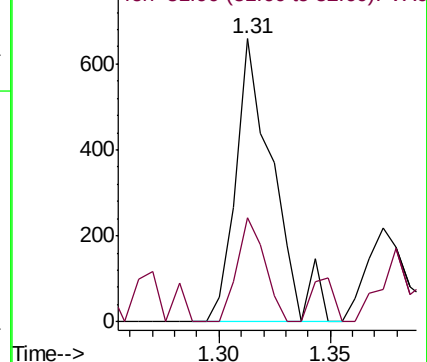
50 100

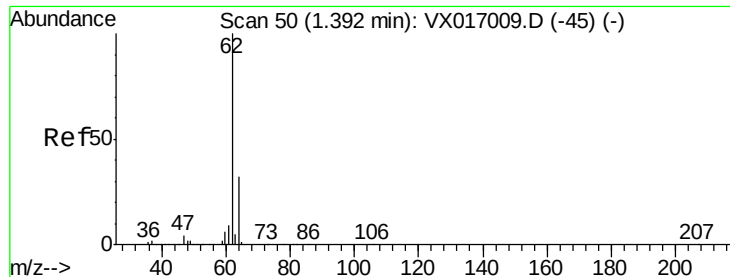
52 36.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.336 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampleId :

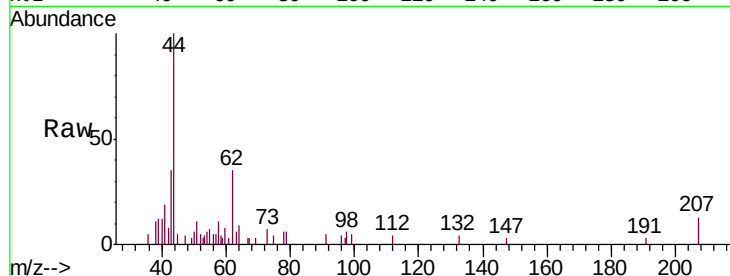
1009-MW-16

Tgt Ion: 62 Resp: 893

Ion Ratio Lower Upper

62 100

64 24.8 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

600

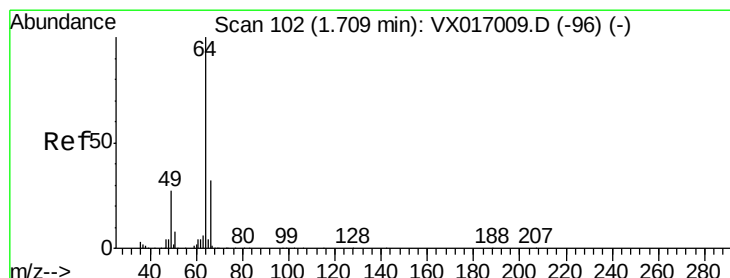
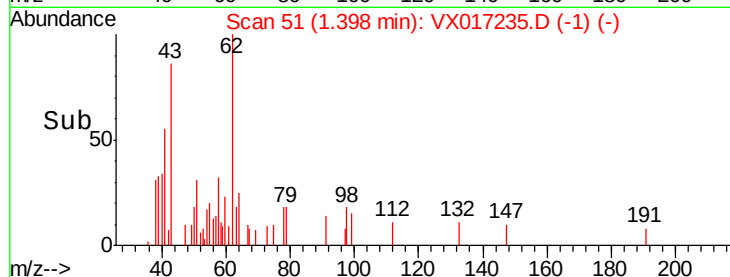
400

200

0

1.35 1.40 1.45

Time-->



#6

Chloroethane

Concen: 0.252 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017235.D

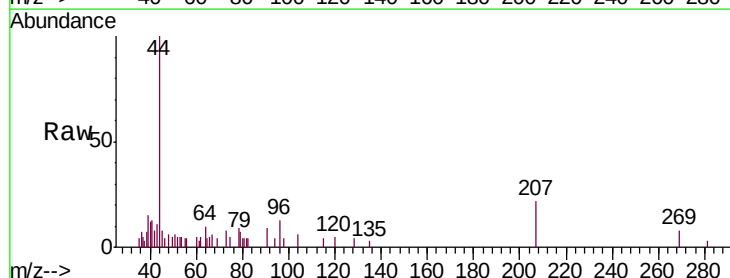
Acq: 08 Jul 2020 04:23

Tgt Ion: 64 Resp: 396

Ion Ratio Lower Upper

64 100

66 34.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

300

250

200

150

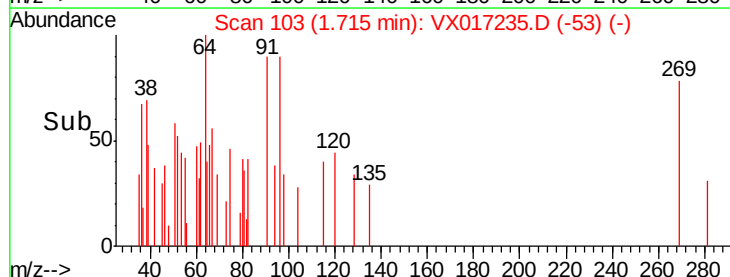
100

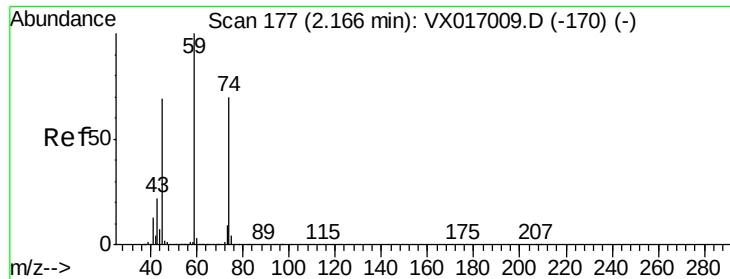
50

0

1.68 1.70 1.72 1.74

Time-->





#8

Diethyl Ether

Concen: 0.516 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampleId :

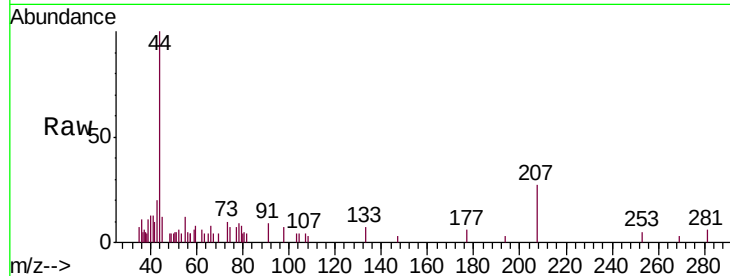
1009-MW-16

Tgt Ion: 74 Resp: 200

Ion Ratio Lower Upper

74 100

45 108.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

500

400

300

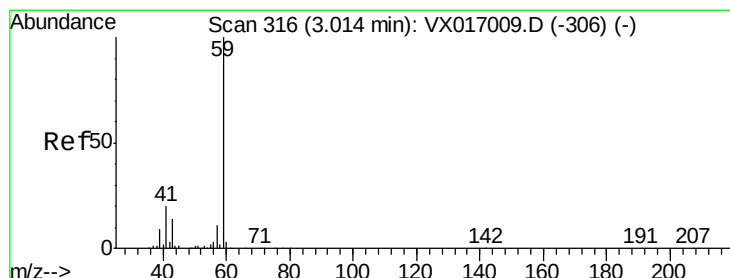
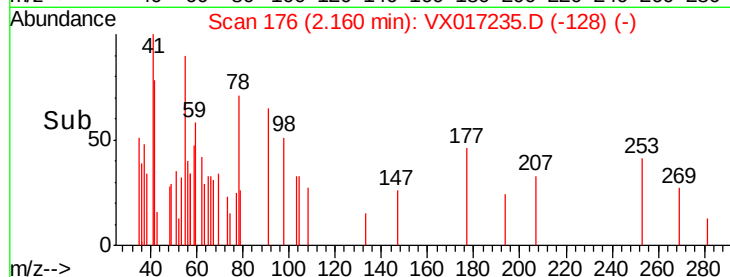
200

100

0

2.14 2.16 2.18 2.20

Time-->



#11

Tert butyl alcohol

Concen: 3.126 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017235.D

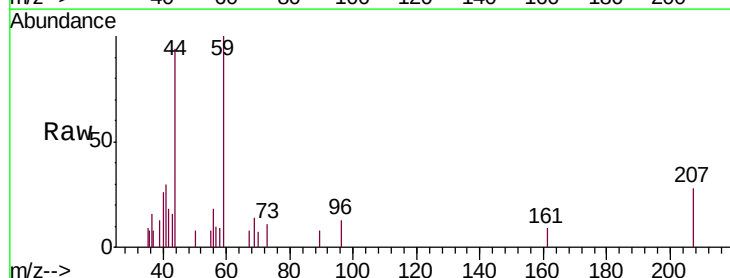
Acq: 08 Jul 2020 04:23

Tgt Ion: 59 Resp: 1797

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

600

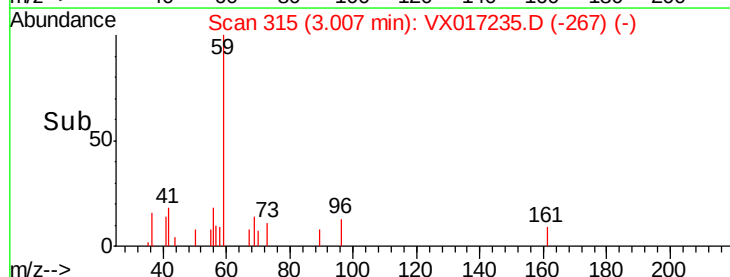
400

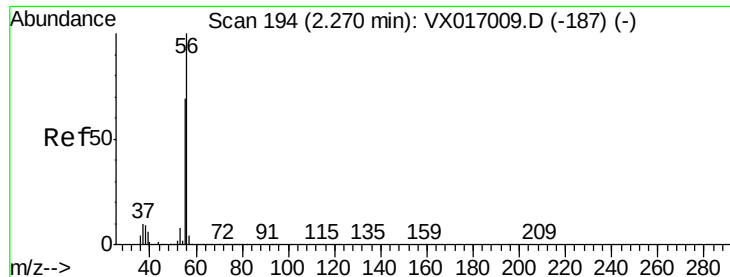
200

0

2.95 3.00 3.05

Time-->

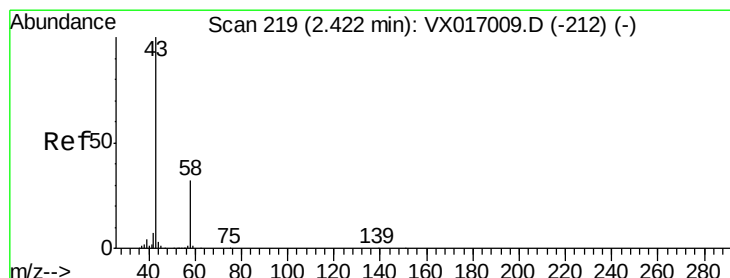
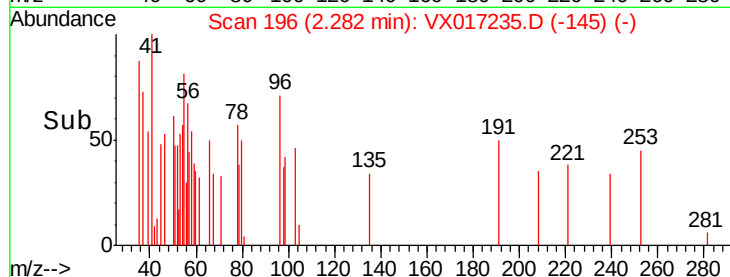
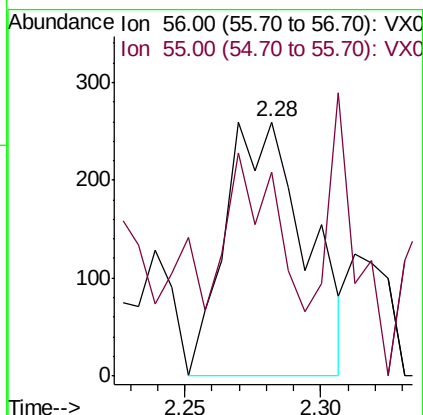
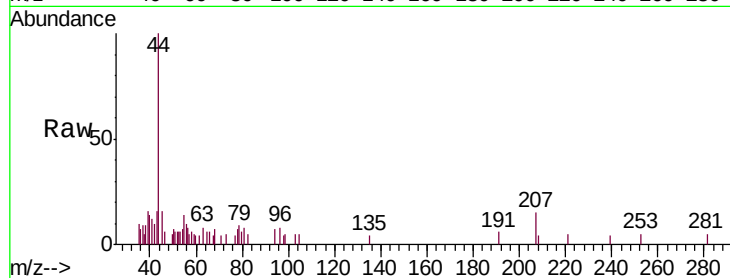




#13
Acrolein
Concen: 1.545 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

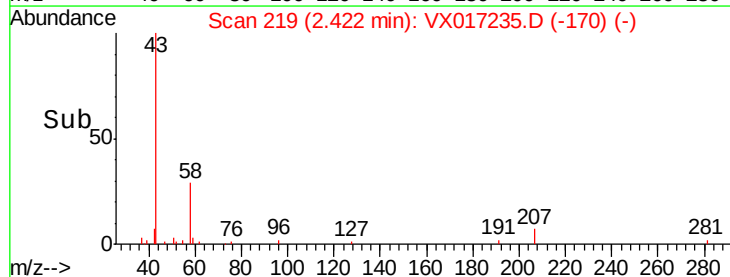
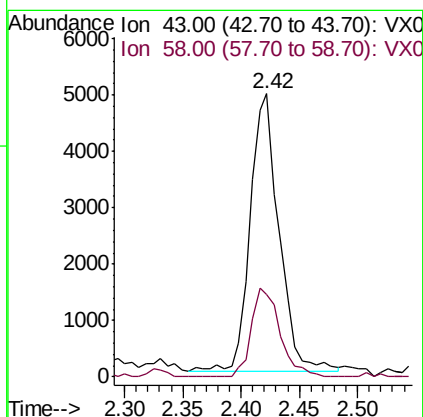
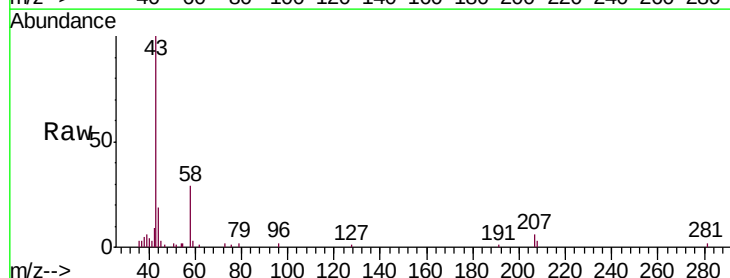
Instrument :
MSVOA_X
ClientSampled :
1009-MW-16

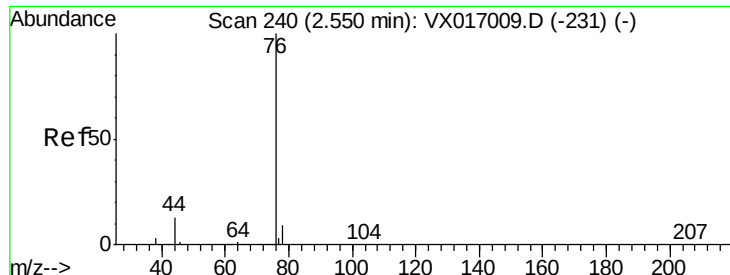
Tgt Ion: 56 Resp: 531
Ion Ratio Lower Upper
56 100
55 33.9 55.7 83.5#



#16
Acetone
Concen: 7.611 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Tgt Ion: 43 Resp: 8579
Ion Ratio Lower Upper
43 100
58 29.7 25.7 38.5





#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampled :

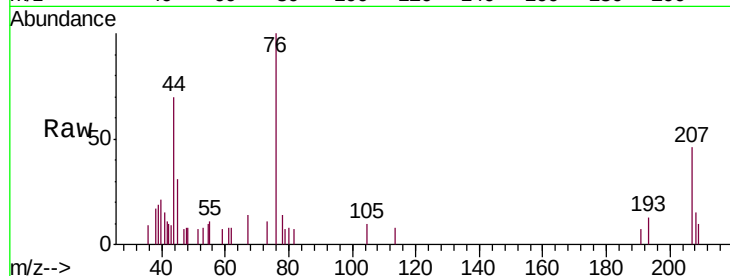
1009-MW-16

Tgt Ion: 76 Resp: 1220

Ion Ratio Lower Upper

76 100

78 7.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

800

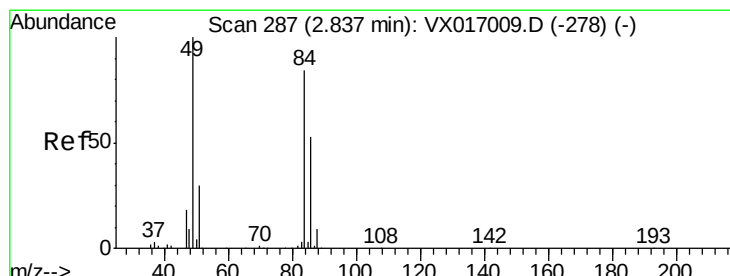
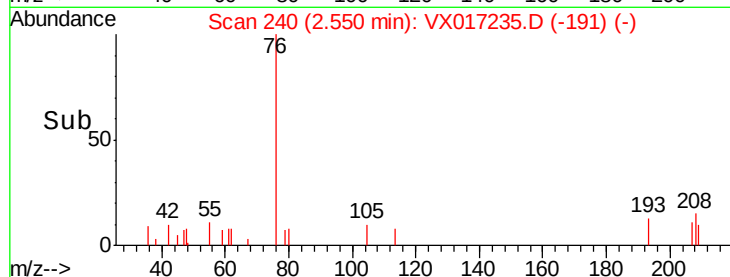
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Tgt Ion: 84 Resp: 789

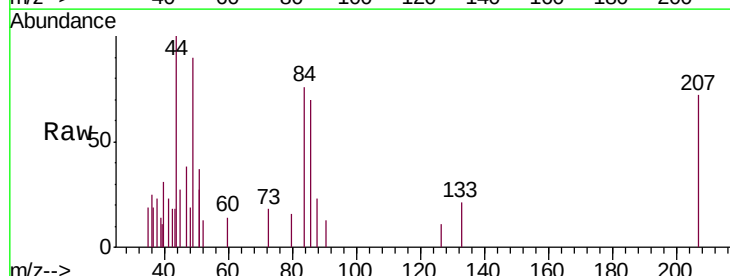
Ion Ratio Lower Upper

84 100

49 119.7 94.7 142.1

51 69.0 28.6 42.8#

86 93.1 50.5 75.7#



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

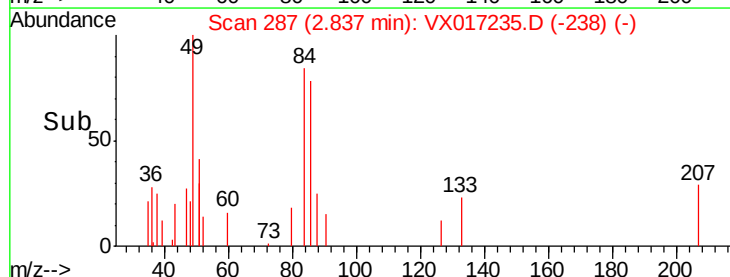
600

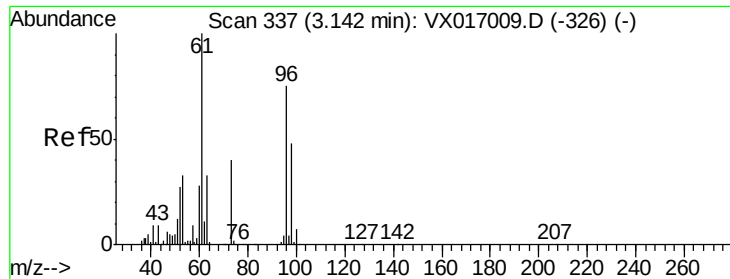
400

200

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.595 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampled :

1009-MW-16

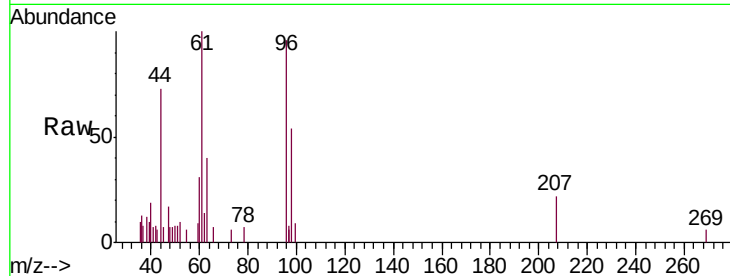
Tgt Ion: 96 Resp: 1596

Ion Ratio Lower Upper

96 100

61 104.3 107.0 160.6#

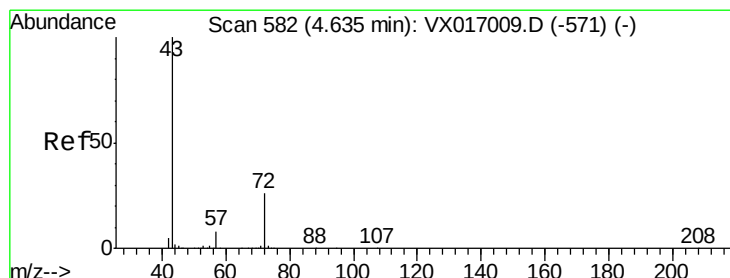
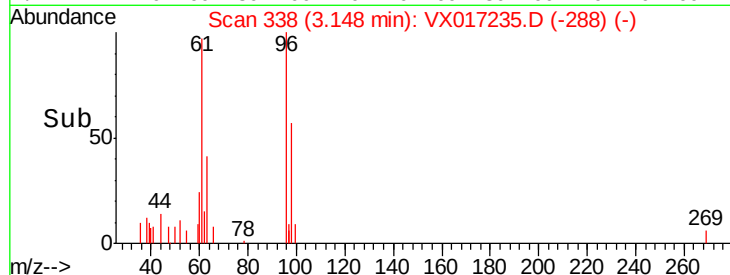
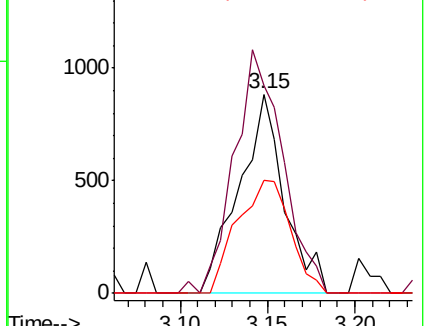
98 56.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.971 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017235.D

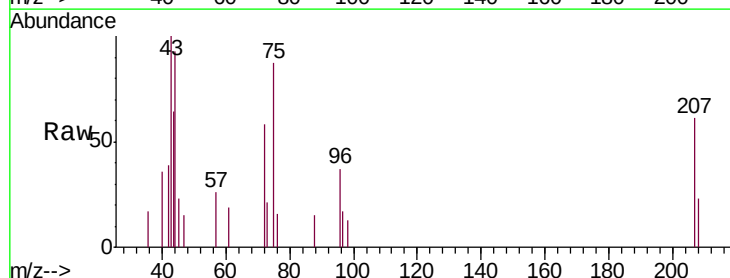
Acq: 08 Jul 2020 04:23

Tgt Ion: 43 Resp: 1824

Ion Ratio Lower Upper

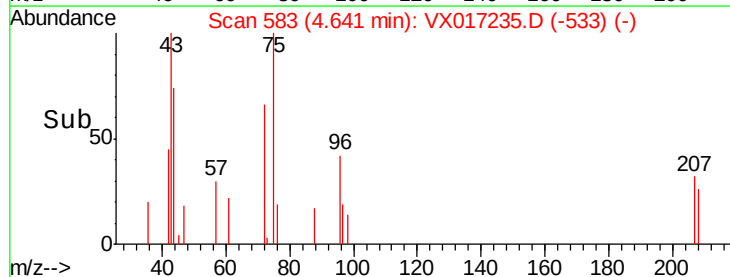
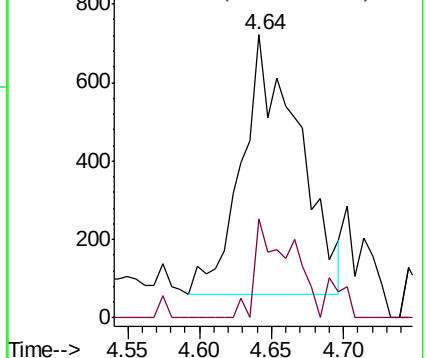
43 100

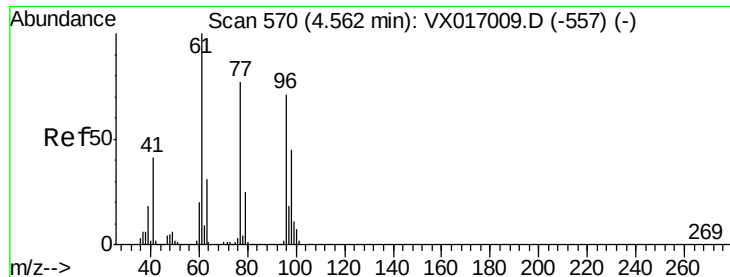
72 38.2 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



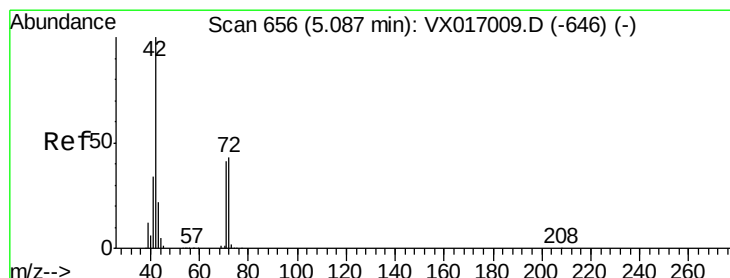
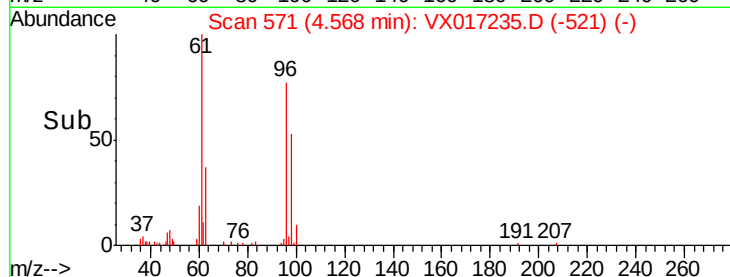
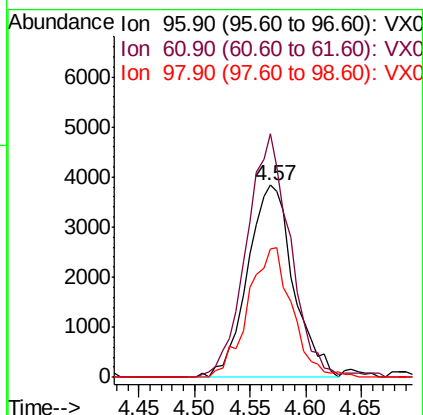
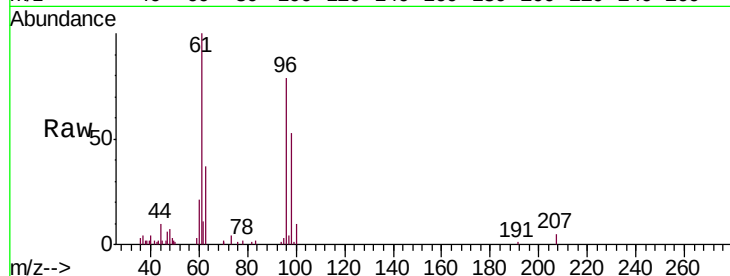


#27

cis-1,2-Dichloroethene
Concen: 3.613 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Instrument :
MSVOA_X
ClientSampled :
1009-MW-16

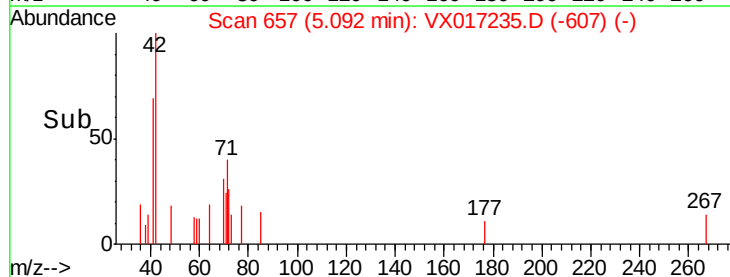
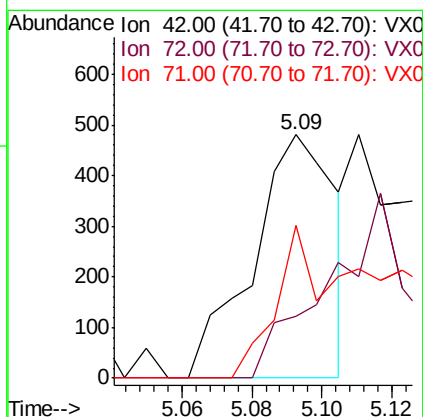
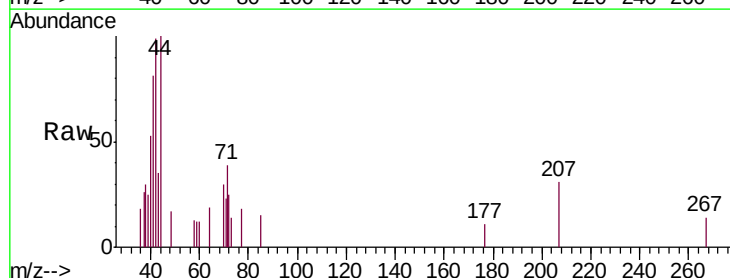
Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.4	0.0	282.8
98	65.2	0.0	127.6

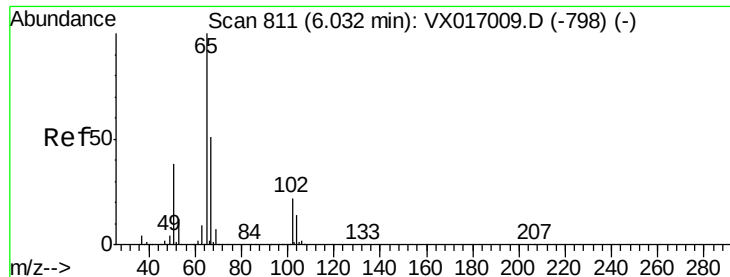


#29

Tetrahydrofuran
Concen: 0.633 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.3	52.9#
71	39.1	33.1	49.7

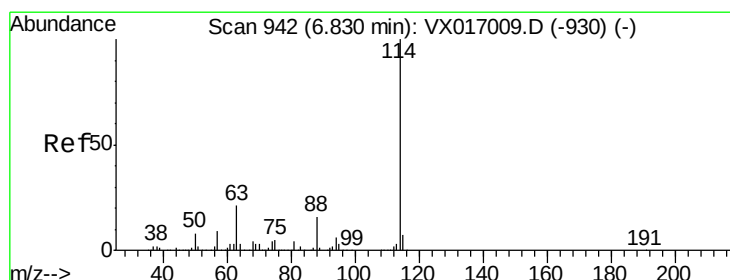
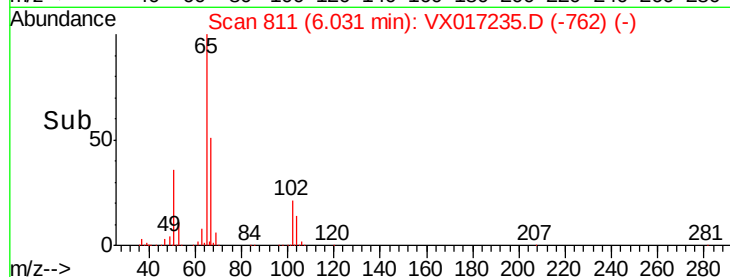
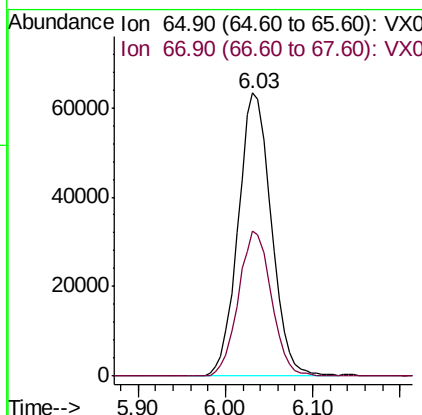
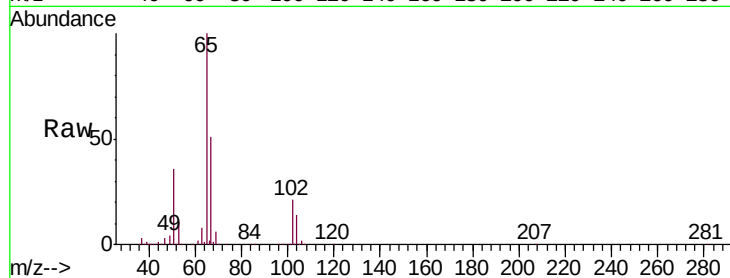




#33
 1,2-Dichloroethane-d4
 Concen: 55.419 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

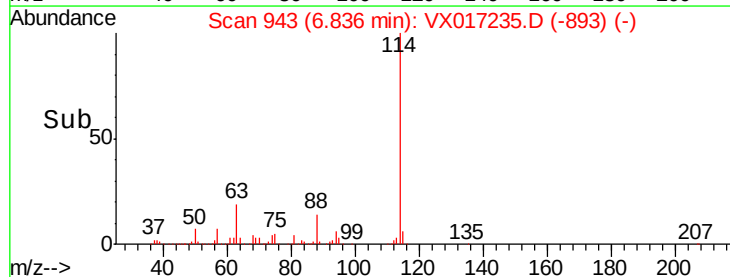
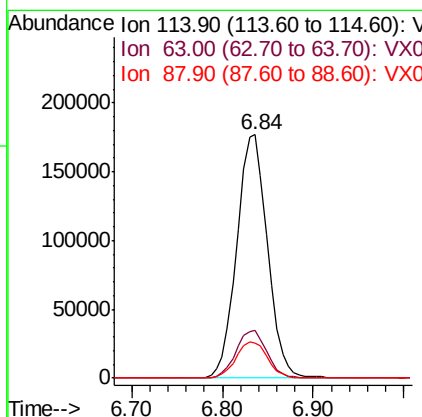
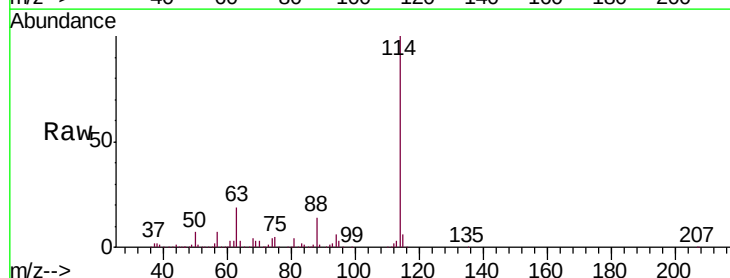
Instrument :
 MSVOA_X
 ClientSampleId :
 1009-MW-16

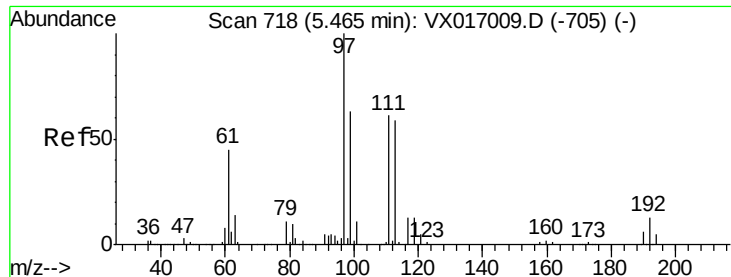
Tgt Ion: 65 Resp: 166987
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

Tgt Ion: 114 Resp: 415792
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 14.3 0.0 32.4

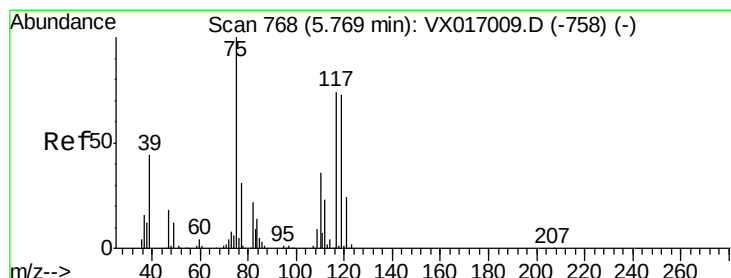
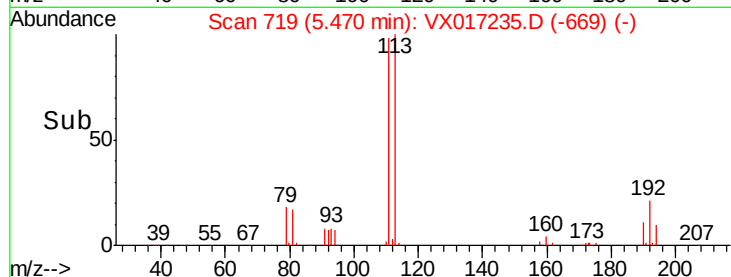
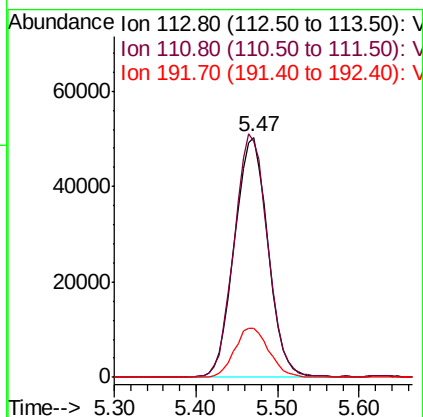
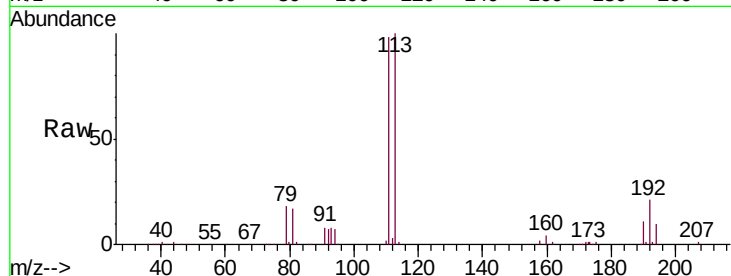




#35
 Dibromofluoromethane
 Concen: 54.528 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

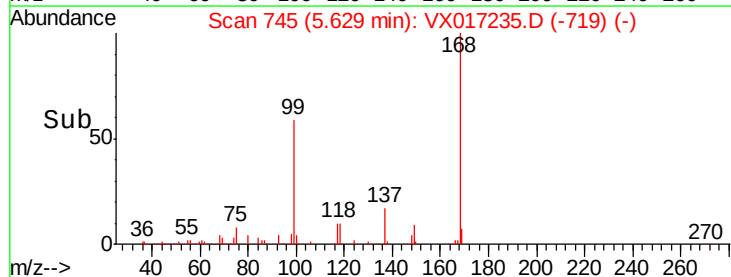
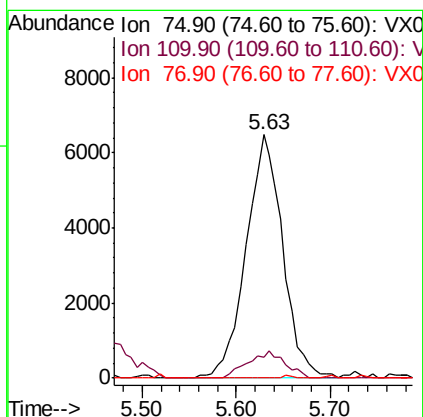
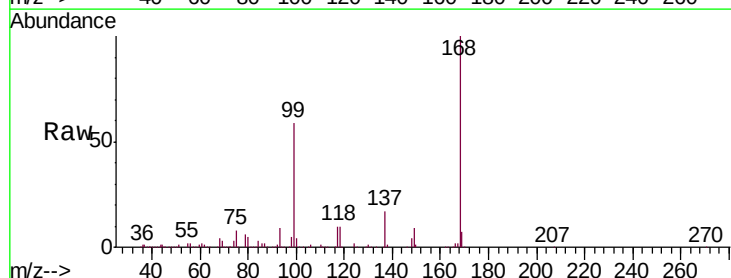
Instrument :
 MSVOA_X
 ClientSampleId :
 1009-MW-16

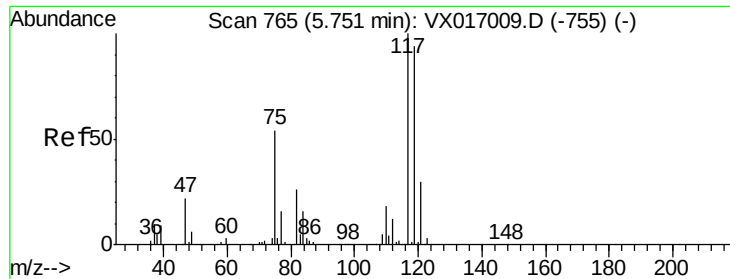
Tgt Ion:113 Resp: 143418
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.9 122.9
 192 21.0 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

Tgt Ion: 75 Resp: 17622
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.1 54.1#
 77 0.0 24.6 37.0#

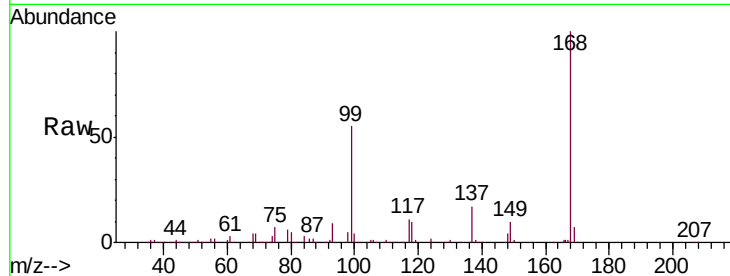




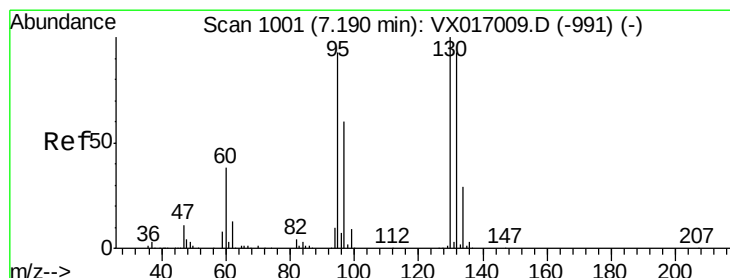
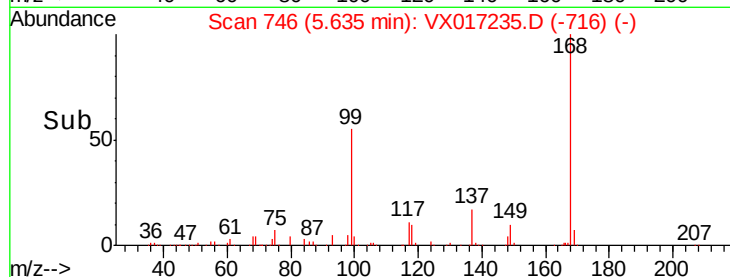
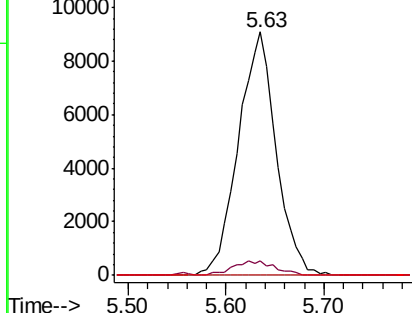
#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Instrument :
MSVOA_X
ClientSampleId :
1009-MW-16

Tgt Ion:117 Resp: 24296
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 23.8 35.6#

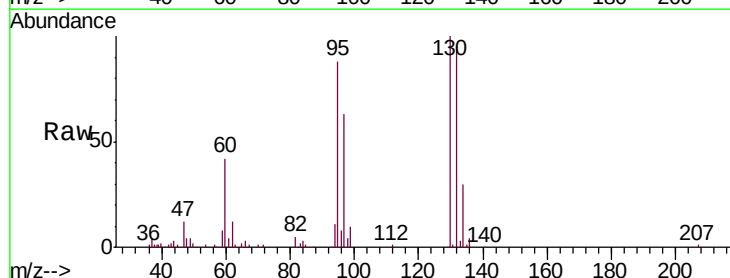


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

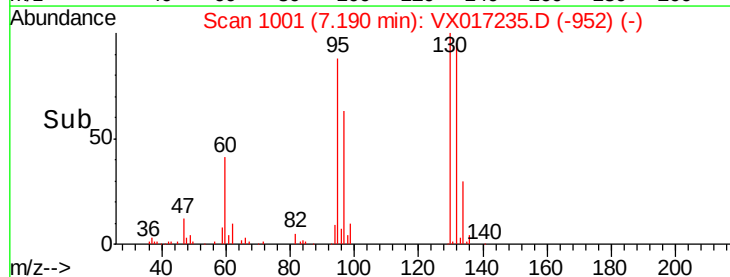
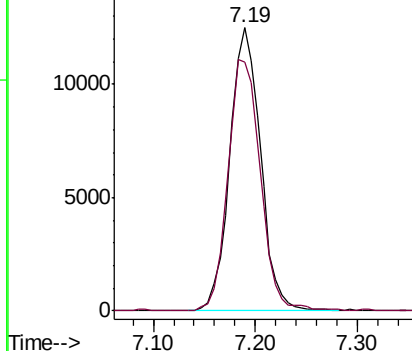


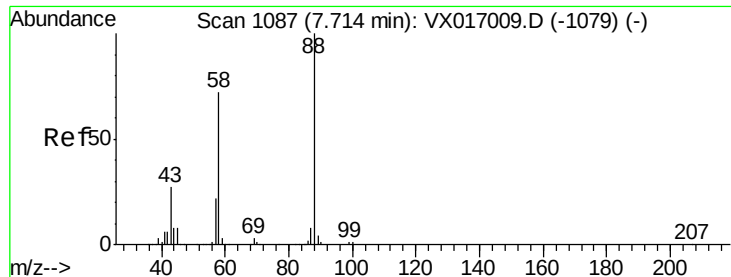
#44
Trichloroethene
Concen: 7.888 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Tgt Ion:130 Resp: 25962
Ion Ratio Lower Upper
130 100
95 87.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

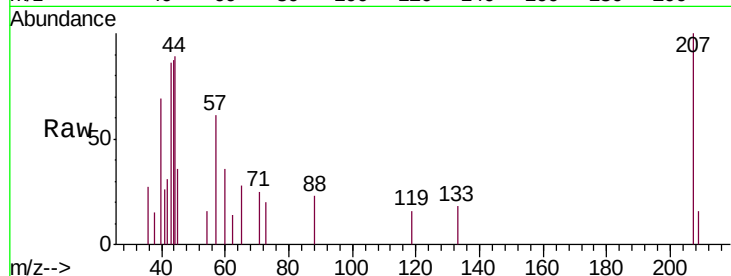




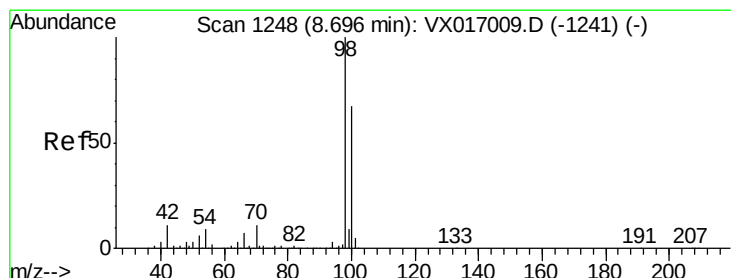
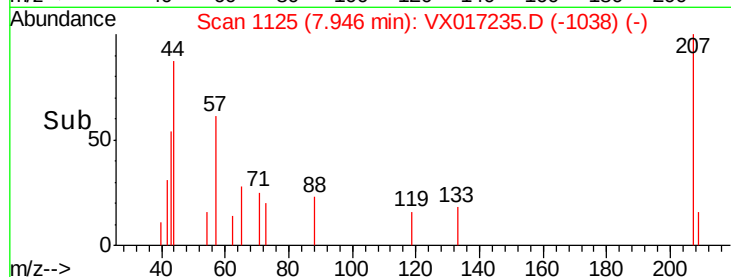
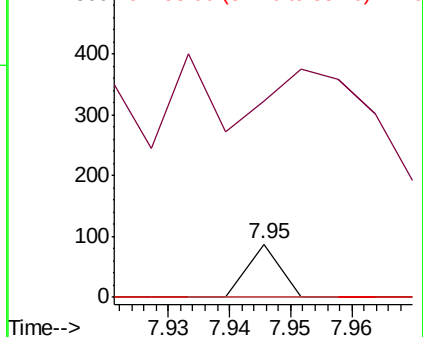
#49
1,4-Dioxane
Concen: 0.449 ug/l
RT: 7.95 min Scan# 1125
Delta R.T. 0.23 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Instrument :
MSVOA_X
ClientSampled :
1009-MW-16

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 1971.9 25.8 38.8#
58 0.0 54.8 82.2#

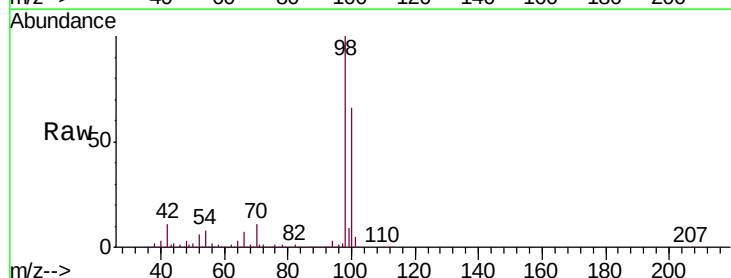


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

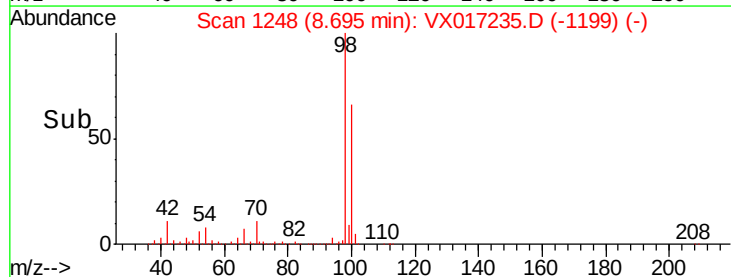
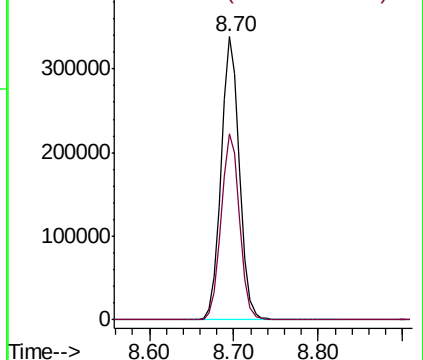


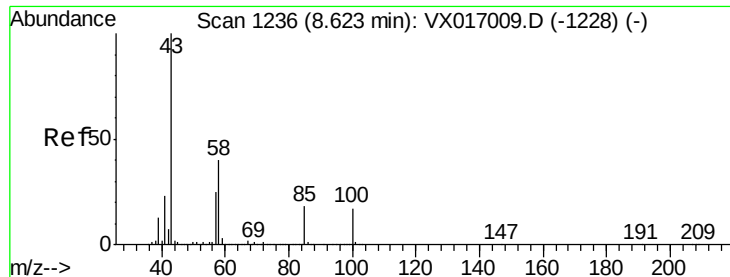
#50
Toluene-d8
Concen: 52.222 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Tgt Ion: 98 Resp: 507904
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

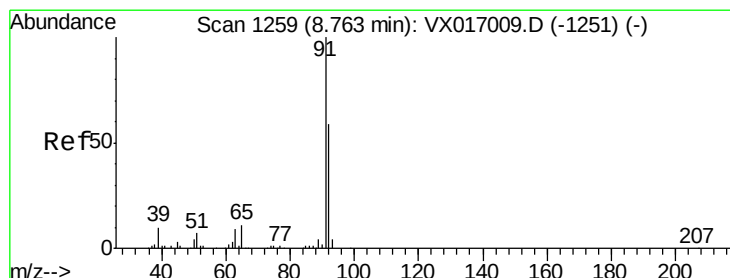
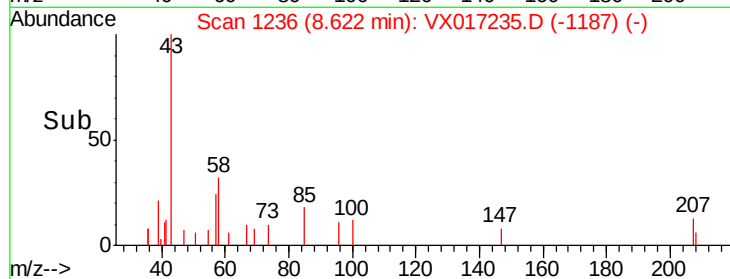
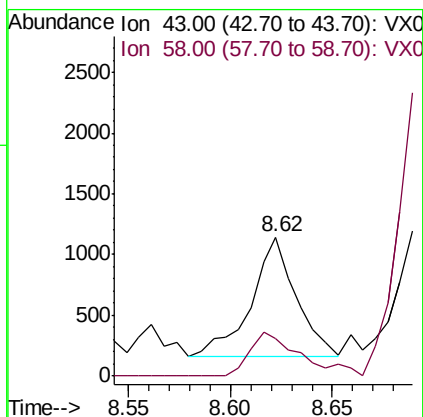
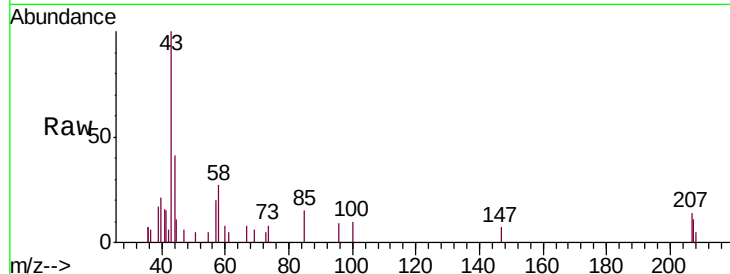




#51
 4-Methyl-2-Pentanone
 Concen: 0.375 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

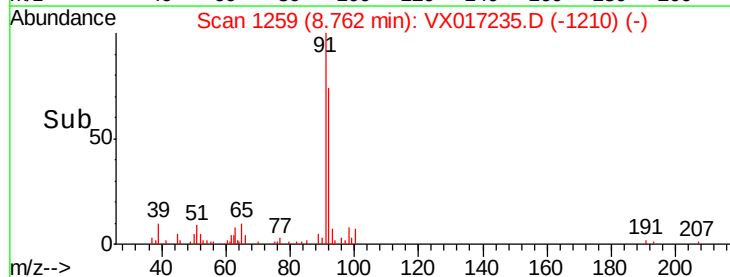
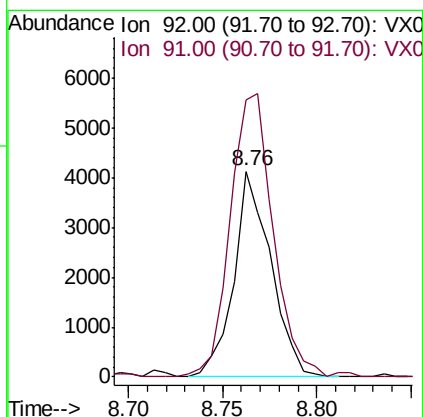
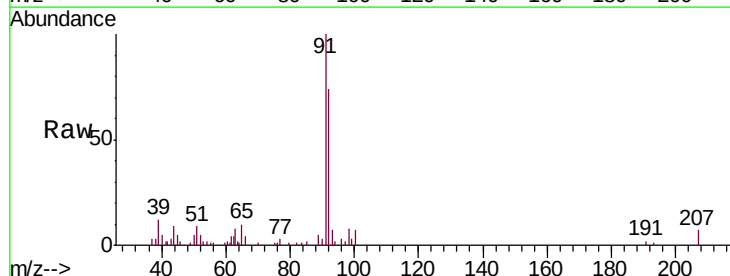
Instrument :
 MSVOA_X
 ClientSampled :
 1009-MW-16

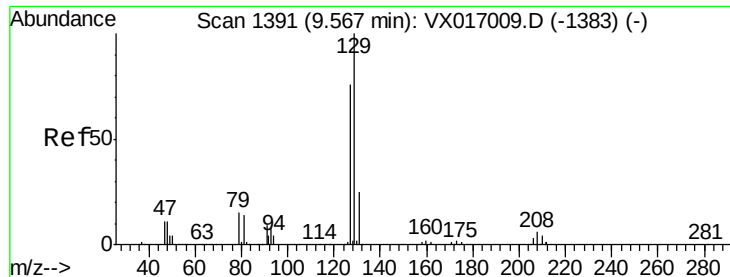
Tgt Ion: 43 Resp: 1482
 Ion Ratio Lower Upper
 43 100
 58 42.3 31.9 47.9



#52
 Toluene
 Concen: 0.780 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX017235.D
 Acq: 08 Jul 2020 04:23

Tgt Ion: 92 Resp: 5625
 Ion Ratio Lower Upper
 92 100
 91 160.4 136.9 205.3





#60

Dibromochloromethane

Concen: 9.771 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampleId :

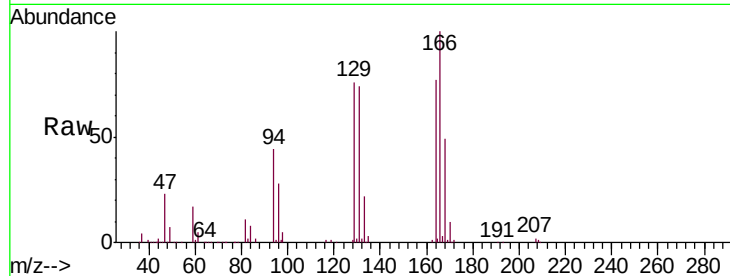
1009-MW-16

Tgt Ion:129 Resp: 33425

Ion Ratio Lower Upper

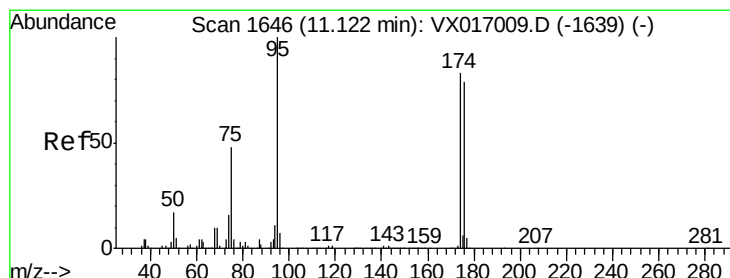
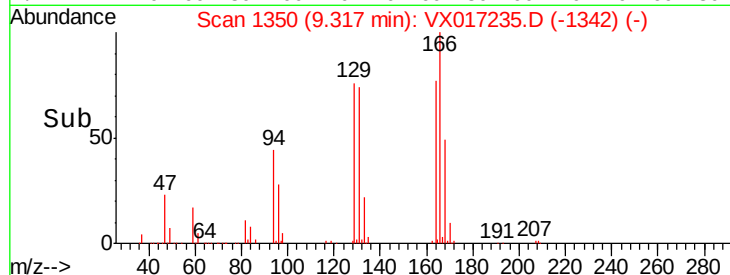
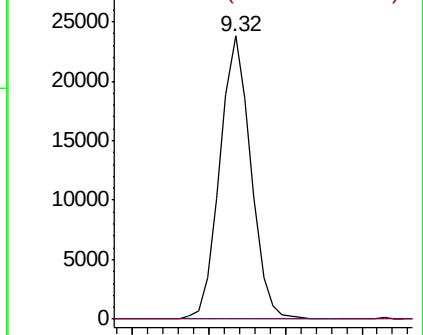
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 54.461 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

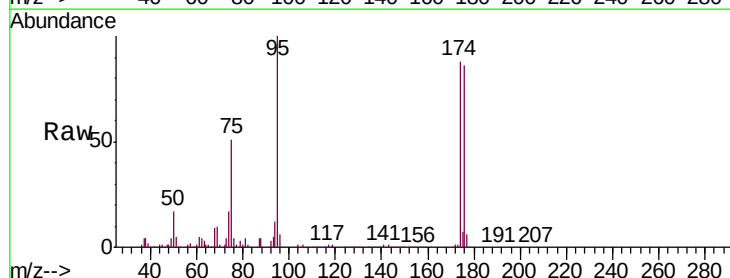
Tgt Ion: 95 Resp: 207057

Ion Ratio Lower Upper

95 100

174 86.0 0.0 164.0

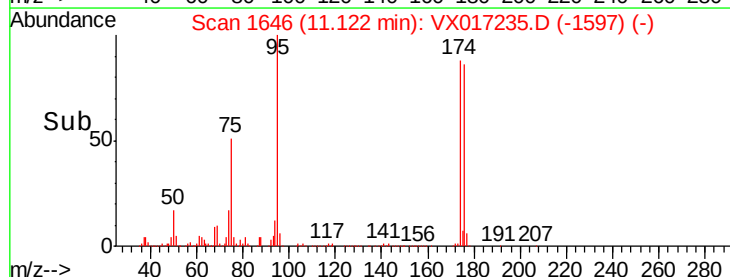
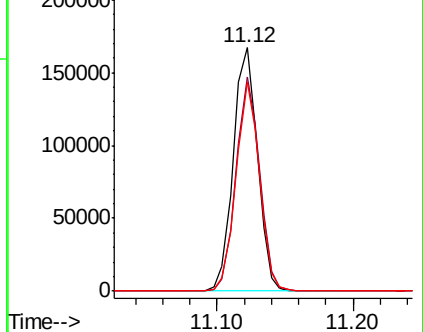
176 82.7 0.0 157.6

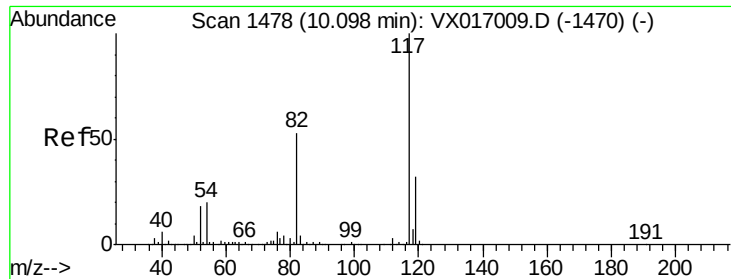


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

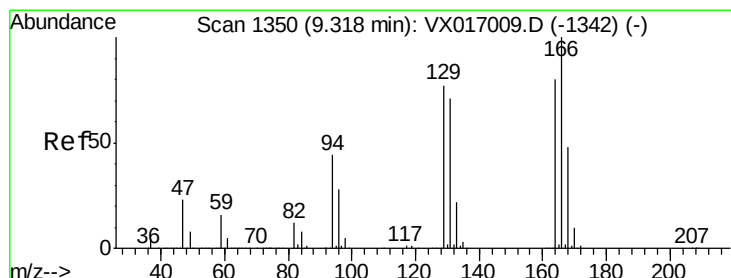
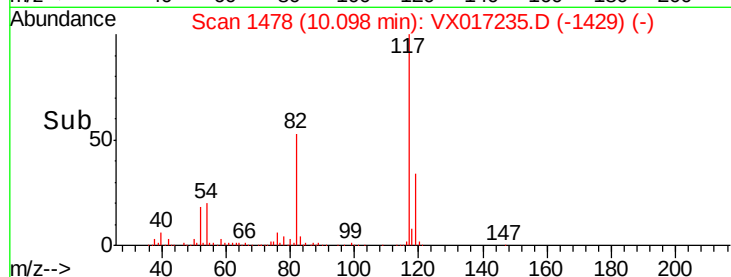
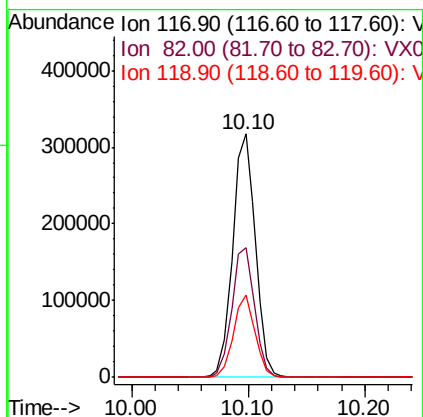
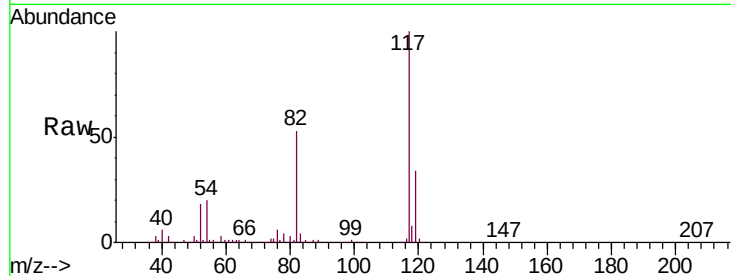




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

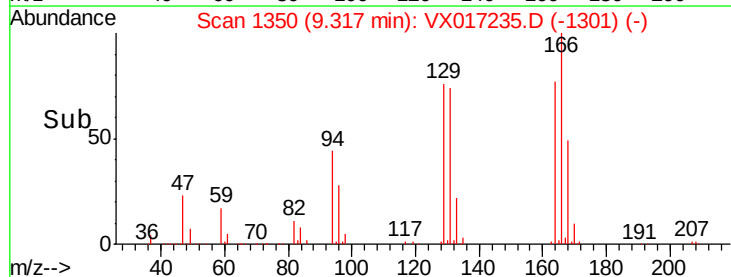
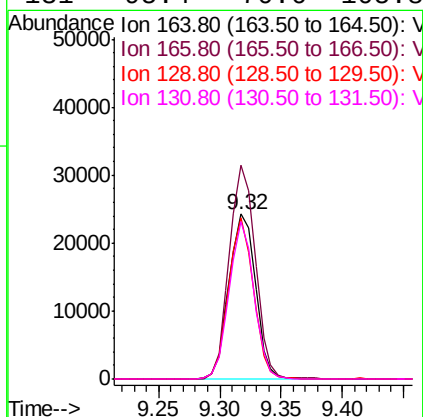
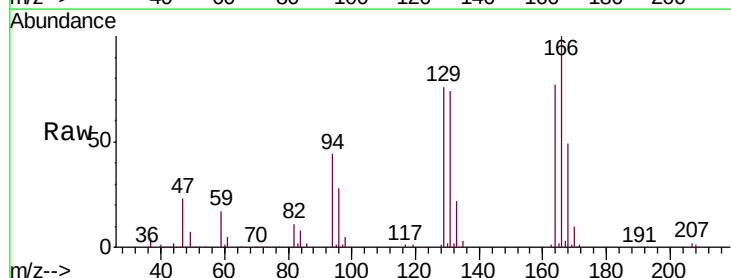
Instrument :
MSVOA_X
ClientSampleId :
1009-MW-16

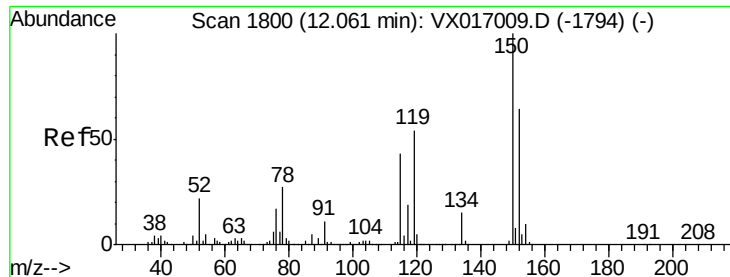
Tgt Ion:117 Resp: 430676
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 33.7 25.4 38.2



#64
Tetrachloroethene
Concen: 10.534 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017235.D
Acq: 08 Jul 2020 04:23

Tgt Ion:164 Resp: 36613
Ion Ratio Lower Upper
164 100
166 129.7 99.4 149.0
129 98.2 76.3 114.5
131 95.4 70.6 105.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017235.D

Acq: 08 Jul 2020 04:23

Instrument :

MSVOA_X

ClientSampleId :

1009-MW-16

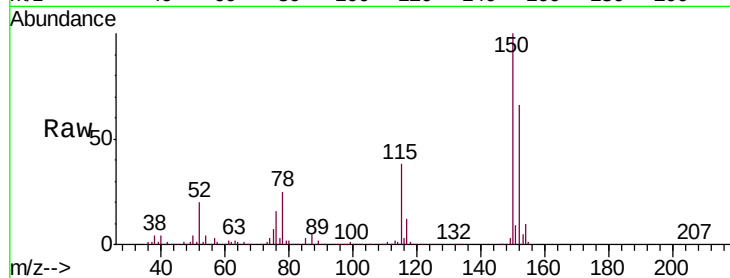
Tgt Ion:152 Resp: 231984

Ion Ratio Lower Upper

152 100

115 56.9 40.9 122.7

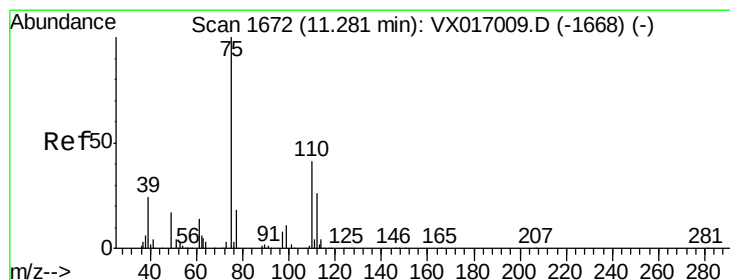
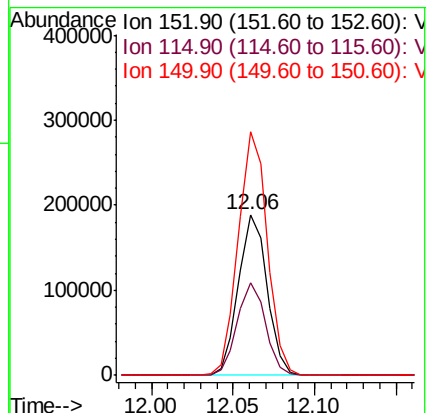
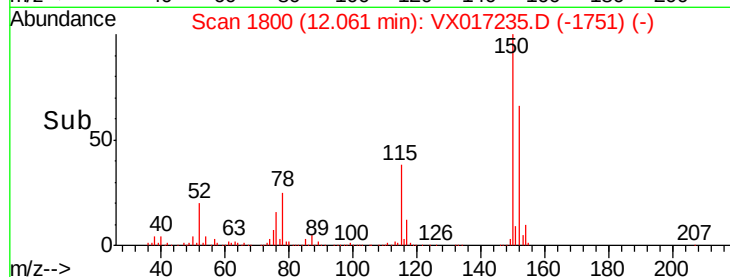
150 153.5 0.0 351.6



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: 22.676 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017235.D

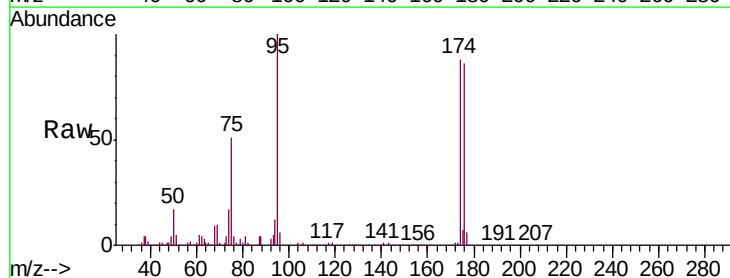
Acq: 08 Jul 2020 04:23

Tgt Ion: 75 Resp: 103443

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

