

Data File : VX017260.D
Acq On : 08 Jul 2020 17:01
Operator : JC/SP
Sample : L3192-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Jul 09 02:33:05 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	5.64	168	259730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	440076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	175490	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	5.46	113	148954	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	8.70	98	559116	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
62) 4-Bromofluorobenzene	11.12	95	231535	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	

Target Compounds

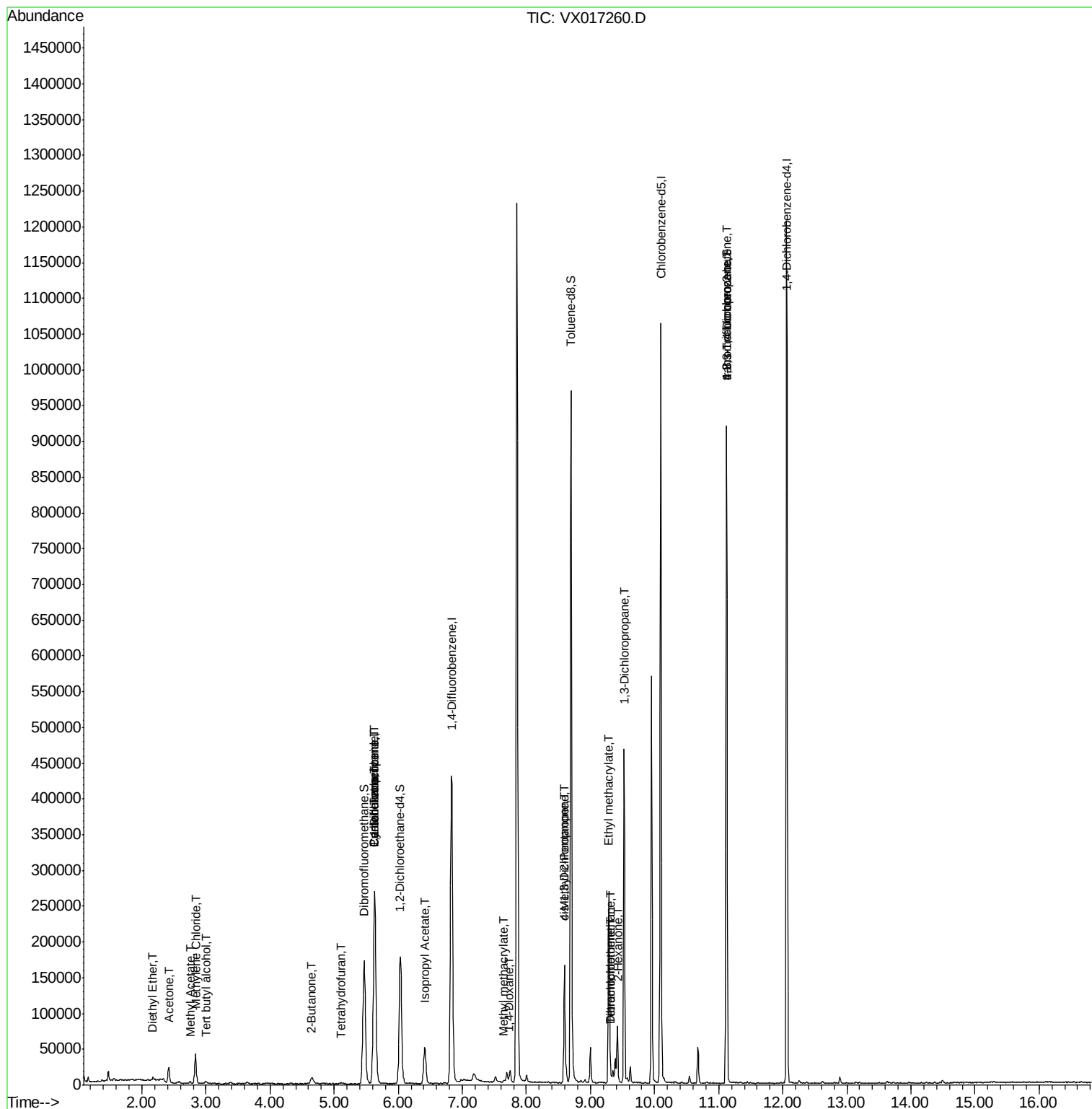
						Qvalue
8) Diethyl Ether	2.17	74	1517	1.438	ug/l	97
11) Tert butyl alcohol	3.00	59	2228	3.647	ug/l #	73
16) Acetone	2.42	43	23219	19.384	ug/l	92
18) Methyl Acetate	2.76	43	3410	1.091	ug/l	98
20) Methylene Chloride	2.84	84	18080	5.891	ug/l #	92
25) 2-Butanone	4.65	43	4357	2.183	ug/l #	88
29) Tetrahydrofuran	5.11	42	1056	0.801	ug/l #	83
31) Cyclohexane	5.63	56	5284	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18662	4.487	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25660	5.601	ug/l #	17
43) Isopropyl Acetate	6.42	43	70340	10.031	ug/l	99
44) Trichloroethene	7.19	130	783	Below Cal		70
48) Methyl methacrylate	7.65	41	3901	1.171	ug/l #	16
49) 1,4-Dioxane	7.73	88	42	0.556	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	57414	13.735	ug/l #	53
54) cis-1,3-Dichloropropene	8.59	75	26701	5.112	ug/l #	64
56) Ethyl methacrylate	9.29	69	1190	0.268	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	3985	0.755	ug/l #	45
59) 2-Hexanone	9.42	43	56636	18.552	ug/l #	23
60) Dibromochloromethane	9.32	129	2242	0.619	ug/l #	10
64) Tetrachloroethene	9.32	164	2262	0.584	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	116649	23.434	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	116649	60.687	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	296	Below Cal		95

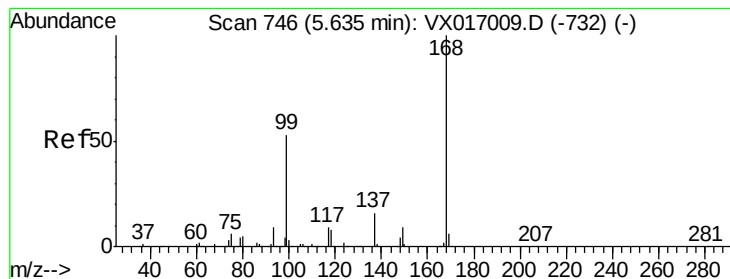
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

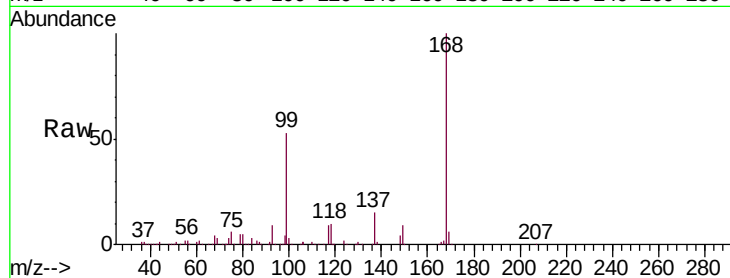
IBLK

Tgt Ion:168 Resp: 259730

Ion Ratio Lower Upper

168 100

99 53.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

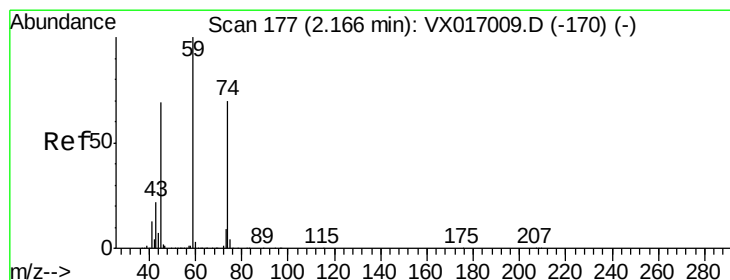
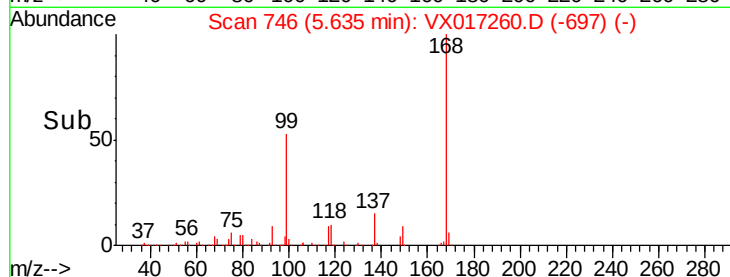
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.438 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017260.D

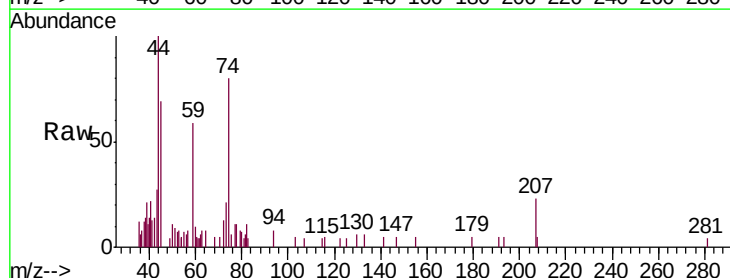
Acq: 08 Jul 2020 17:01

Tgt Ion: 74 Resp: 1517

Ion Ratio Lower Upper

74 100

45 96.1 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1200

1000

800

600

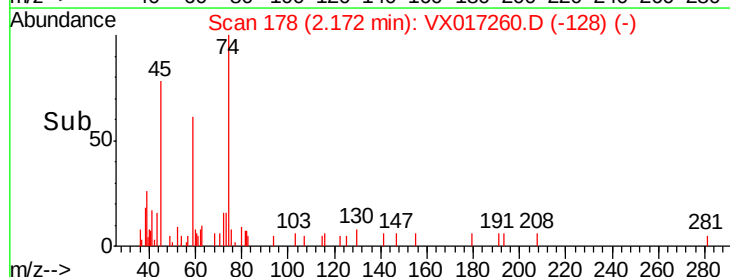
400

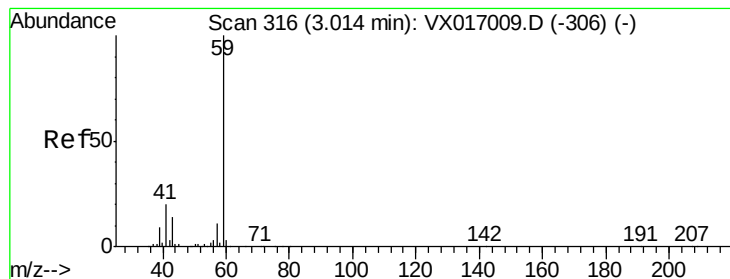
200

0

Time-->

2.10 2.15 2.20 2.25



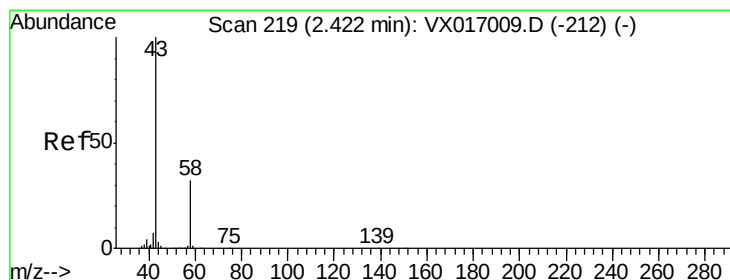
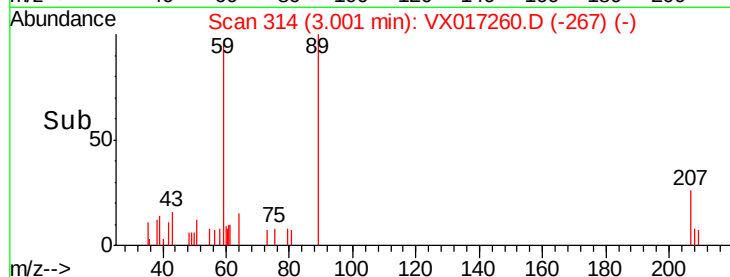
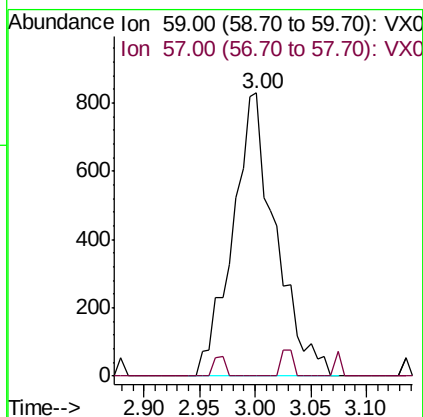
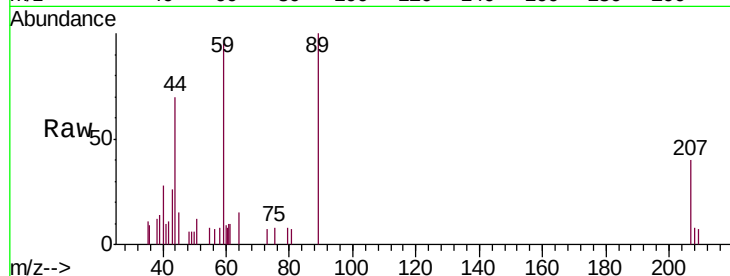


#11

Tert butyl alcohol
 Concen: 3.647 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

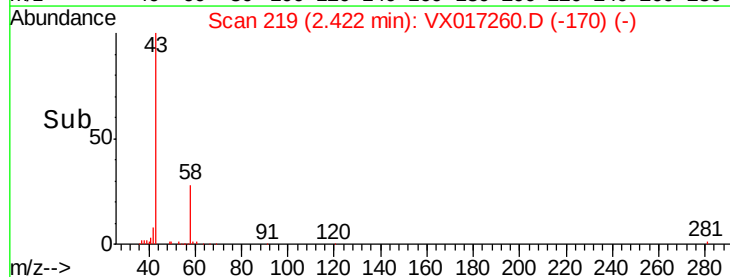
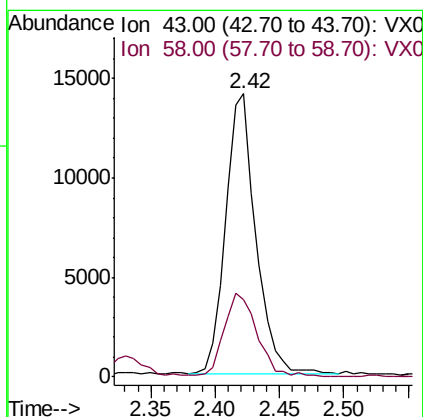
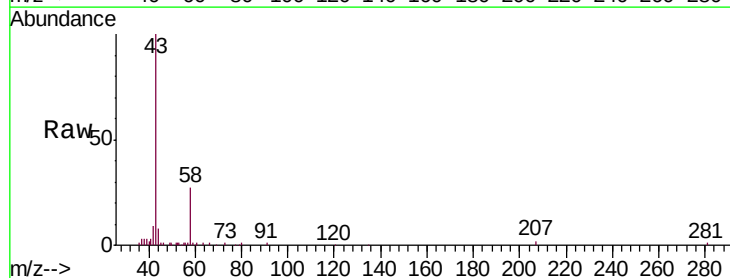
Tgt Ion: 59 Resp: 2228
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

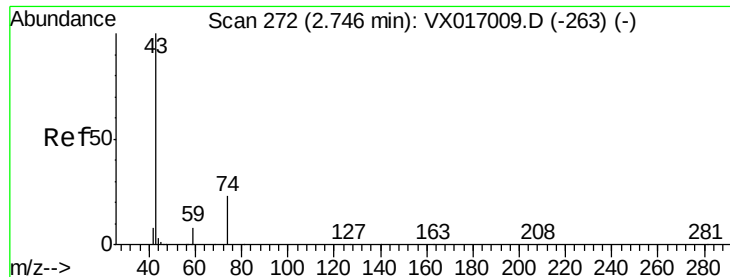


#16

Acetone
 Concen: 19.384 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

Tgt Ion: 43 Resp: 23219
 Ion Ratio Lower Upper
 43 100
 58 27.5 25.7 38.5

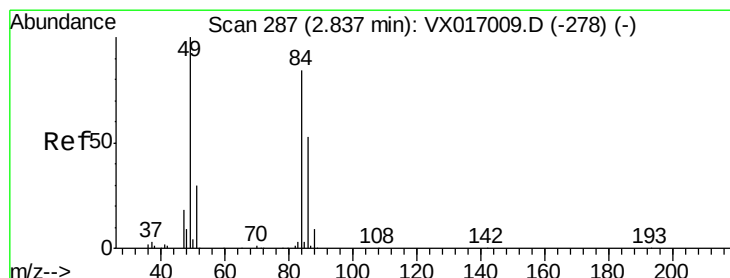
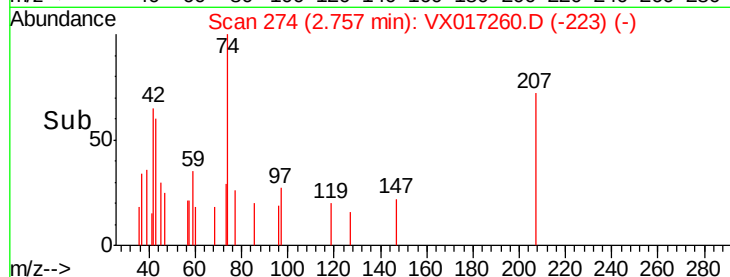
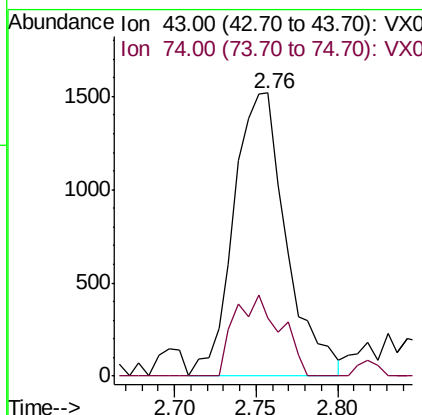
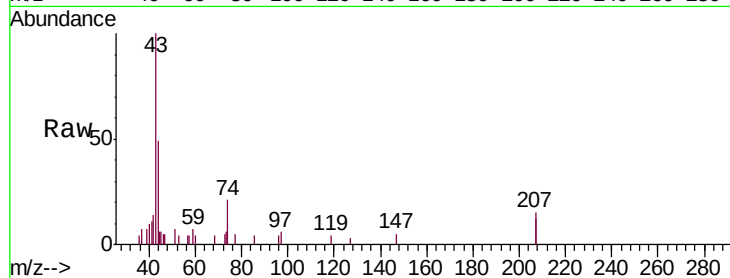




#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

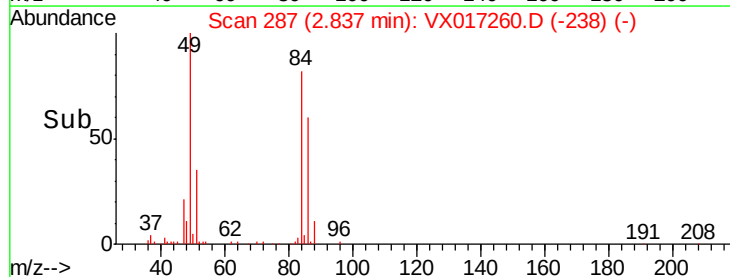
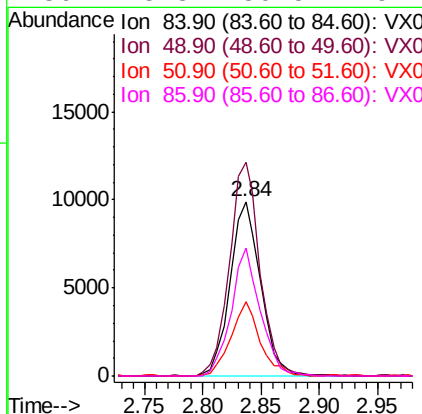
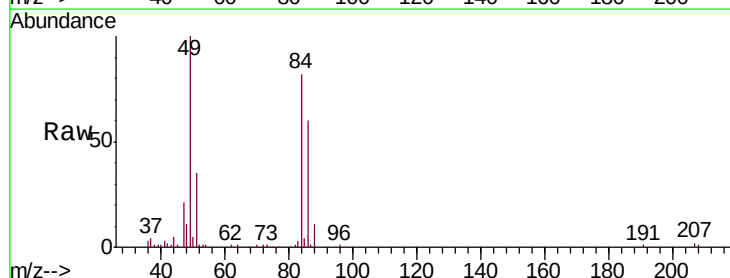
Instrument :
MSVOA_X
ClientSampled :
IBLK

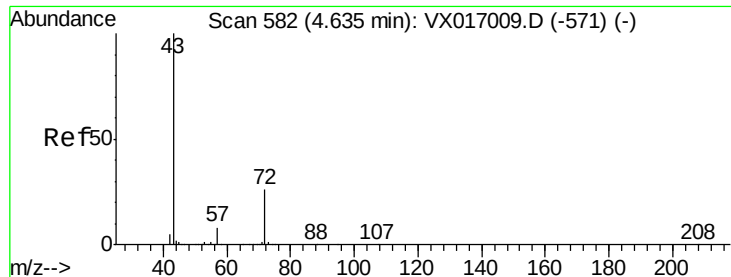
Tgt Ion: 43 Resp: 3410
Ion Ratio Lower Upper
43 100
74 25.1 19.3 28.9



#20
Methylene Chloride
Concen: 5.891 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Tgt Ion: 84 Resp: 18080
Ion Ratio Lower Upper
84 100
49 122.6 94.7 142.1
51 43.0 28.6 42.8#
86 73.3 50.5 75.7





#25

2-Butanone

Concen: 2.183 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampled :

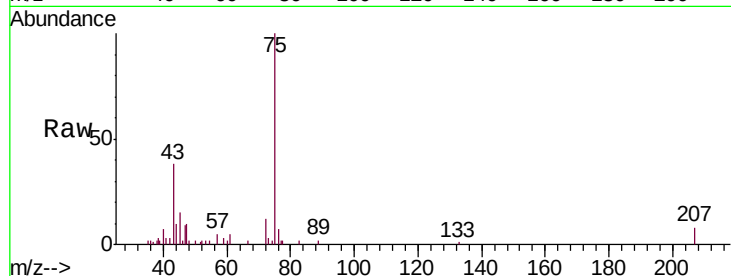
IBLK

Tgt Ion: 43 Resp: 4357

Ion Ratio Lower Upper

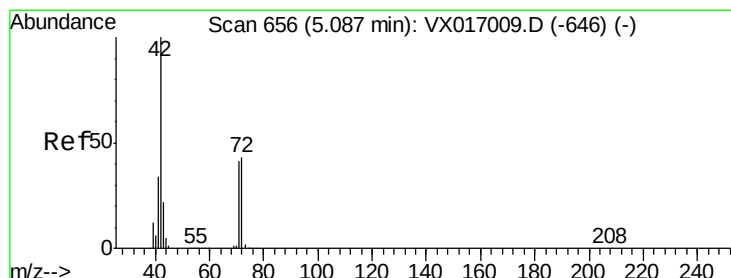
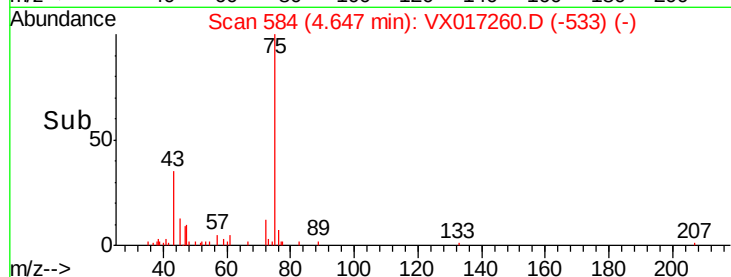
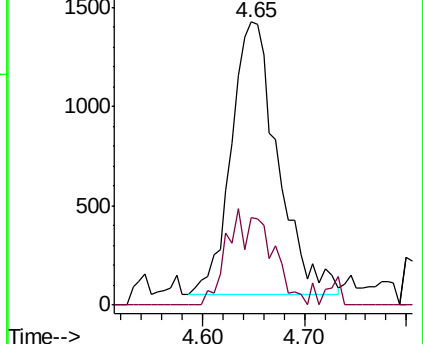
43 100

72 32.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.801 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

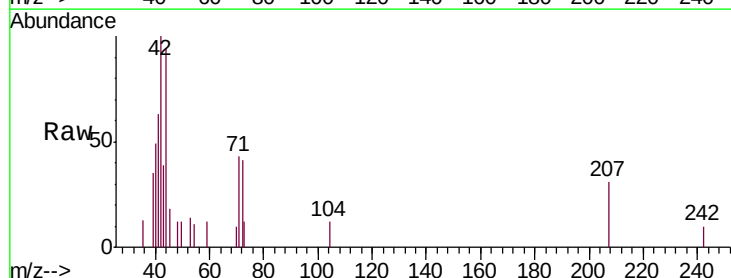
Tgt Ion: 42 Resp: 1056

Ion Ratio Lower Upper

42 100

72 57.7 35.3 52.9#

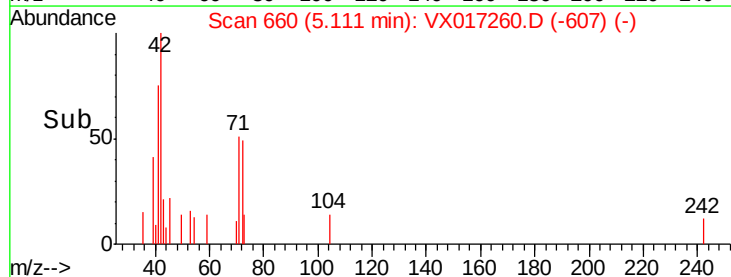
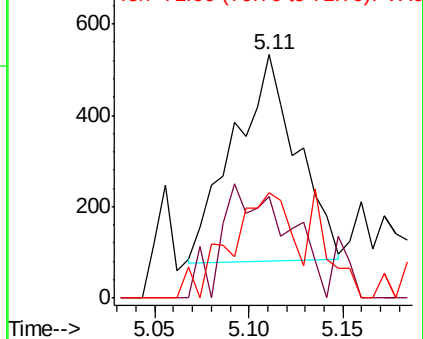
71 49.9 33.1 49.7#

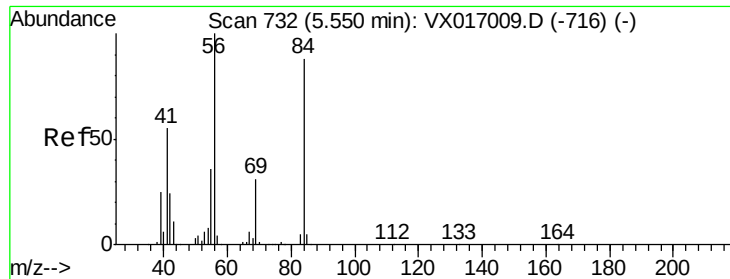


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

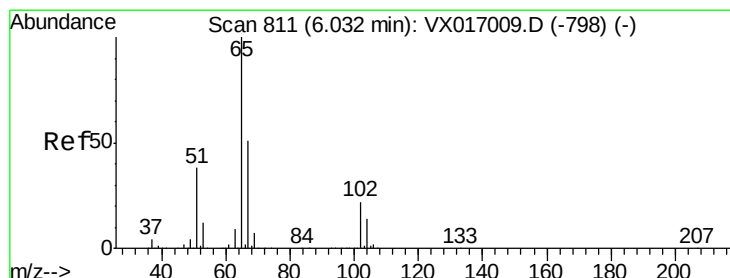
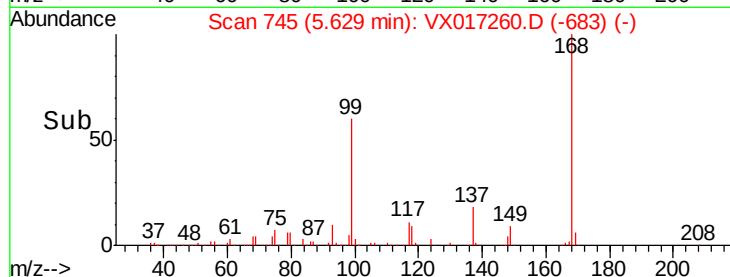
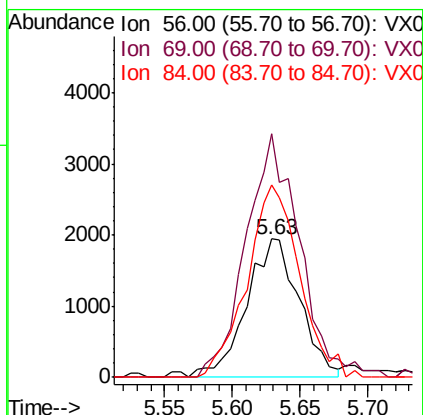
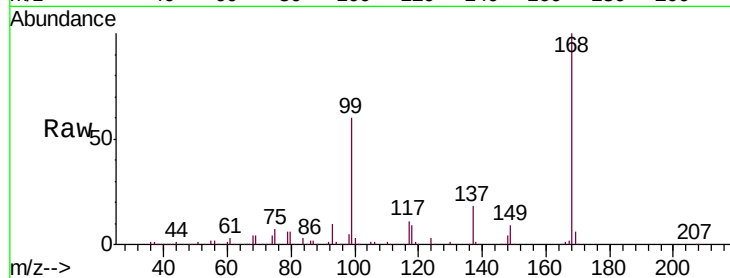




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

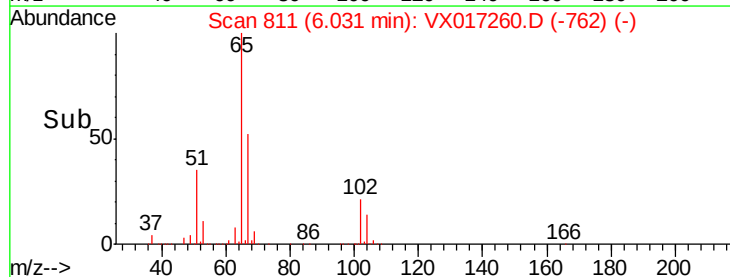
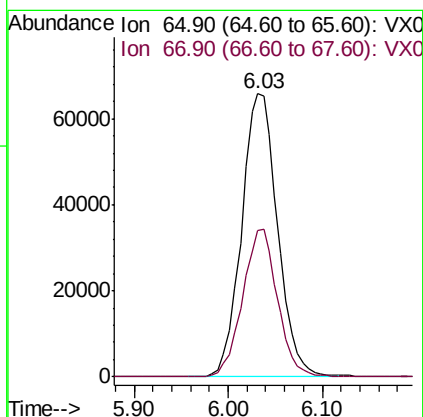
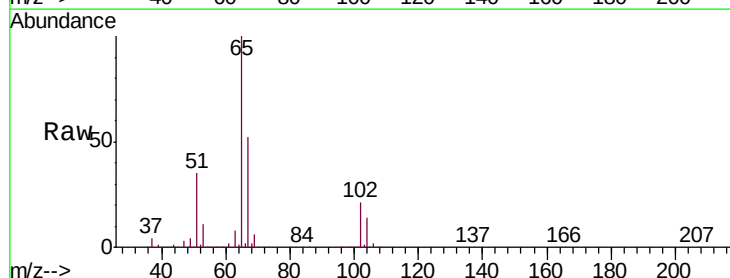
Instrument :
MSVOA_X
ClientSampled :
IBLK

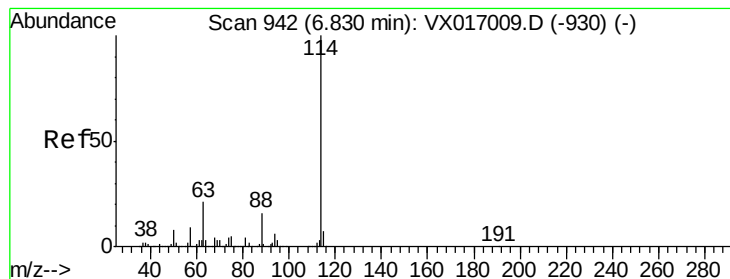
Tgt Ion: 56 Resp: 5284
Ion Ratio Lower Upper
56 100
69 175.9 25.0 37.4#
84 139.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 54.807 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Tgt Ion: 65 Resp: 175490
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

IBLK

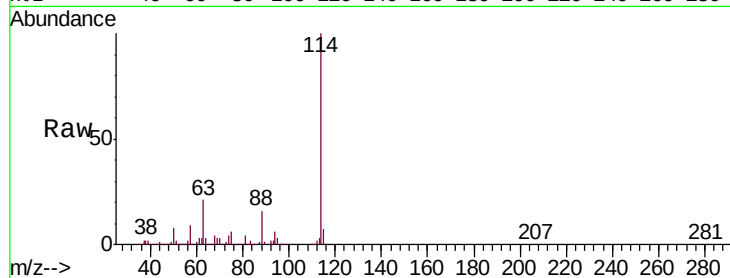
Tgt Ion:114 Resp: 440076

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

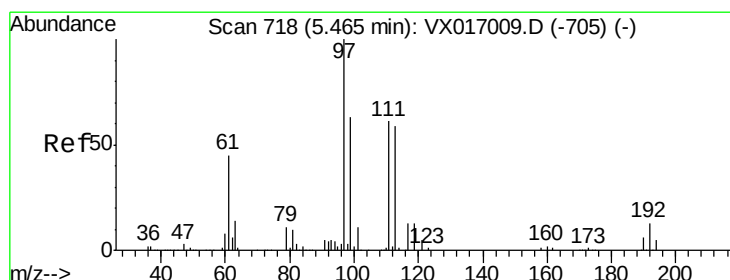
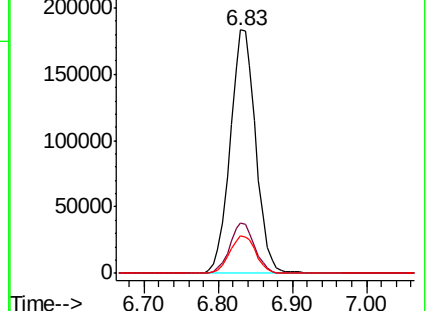
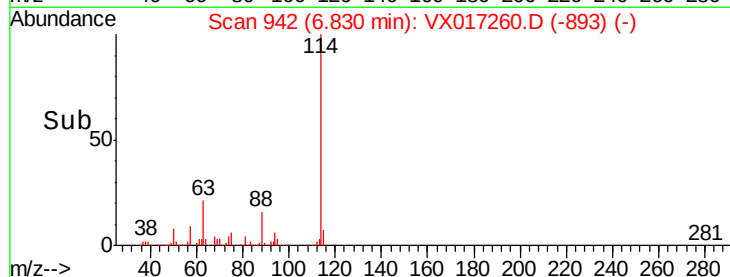
88 15.6 0.0 32.4



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: 53.508 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

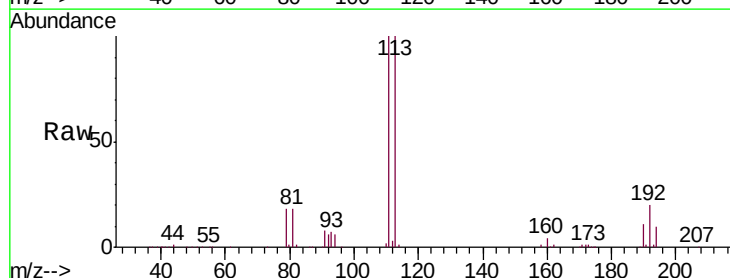
Tgt Ion:113 Resp: 148954

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

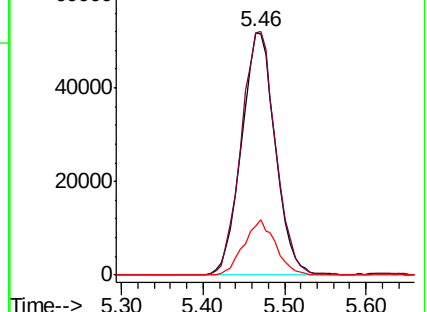
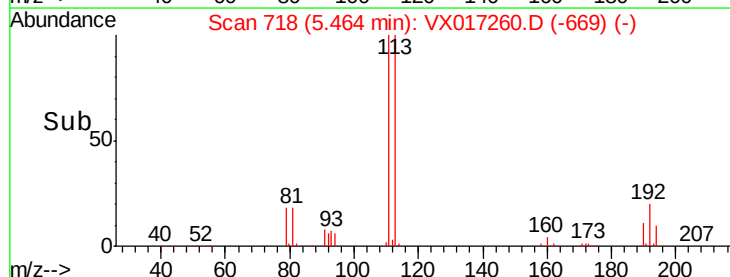
192 21.5 16.7 25.1

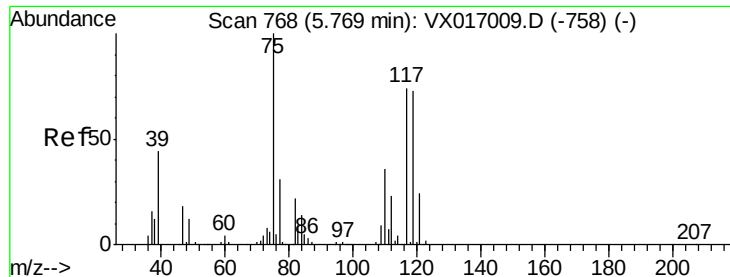


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

IBLK

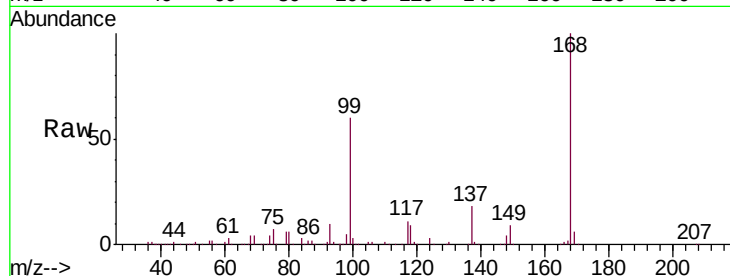
Tgt Ion: 75 Resp: 18662

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

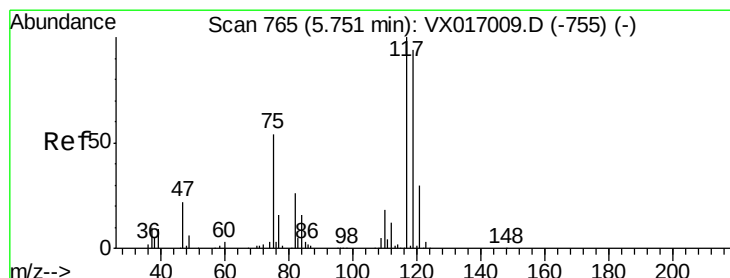
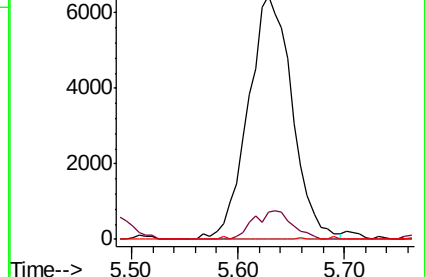
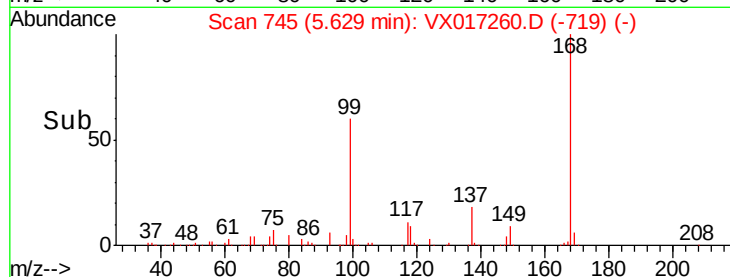
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX017260.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX017260.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX017260.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.601 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

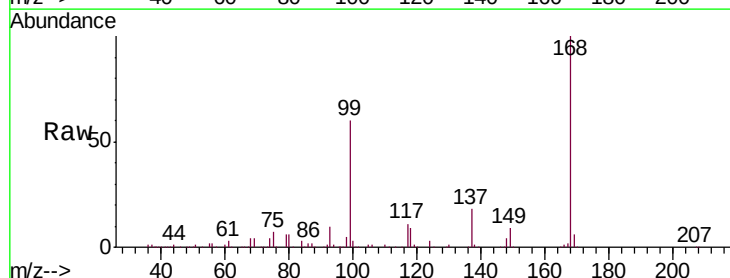
Tgt Ion: 117 Resp: 25660

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

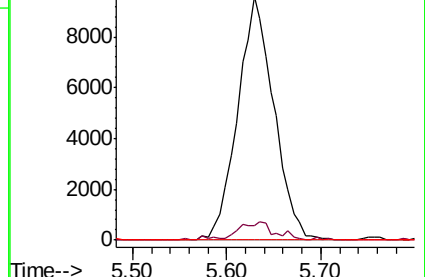
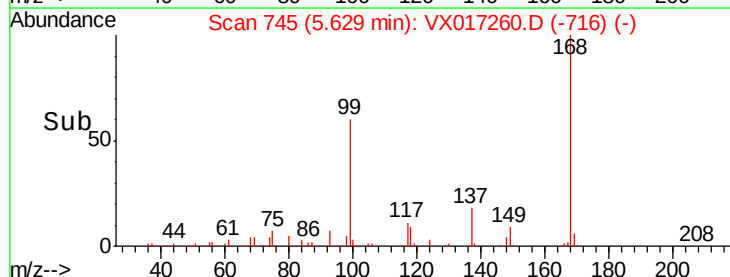
121 0.0 23.8 35.6#

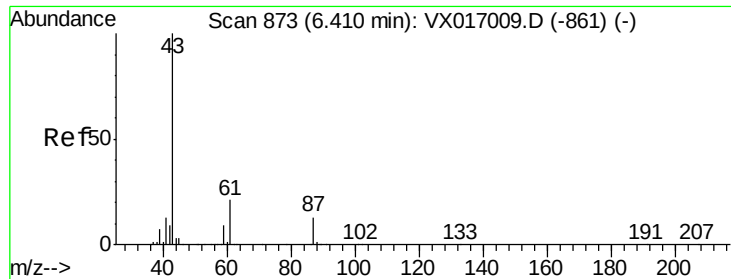


Abundance Ion 116.80 (116.50 to 117.50): VX017260.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX017260.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX017260.D (-716) (-)



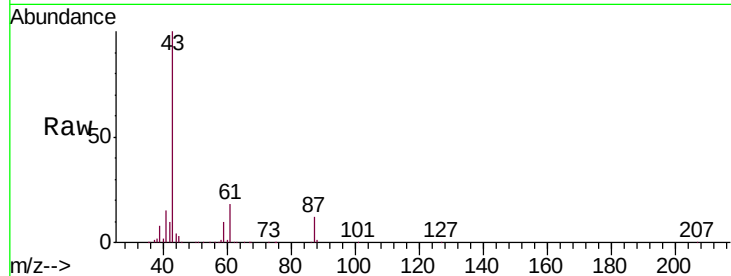


#43

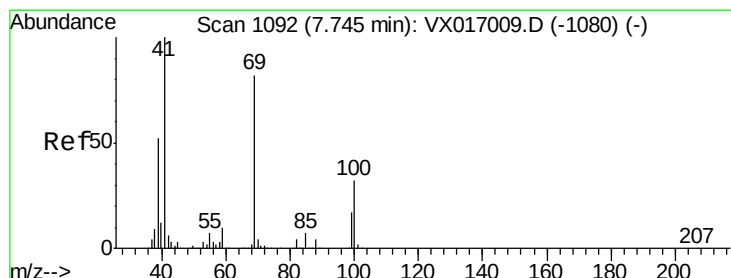
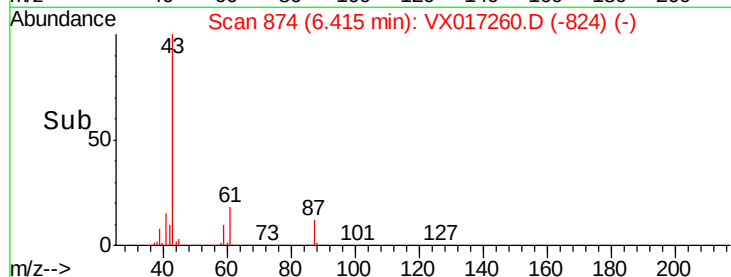
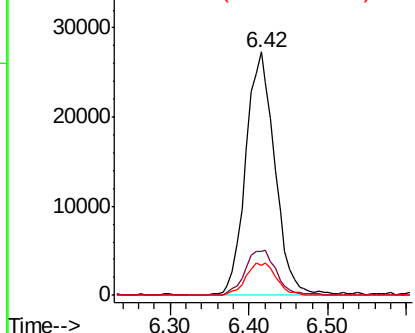
Isopropyl Acetate
 Concen: 10.031 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

Tgt Ion: 43 Resp: 70340
 Ion Ratio Lower Upper
 43 100
 61 19.6 16.2 24.2
 87 13.7 10.7 16.1



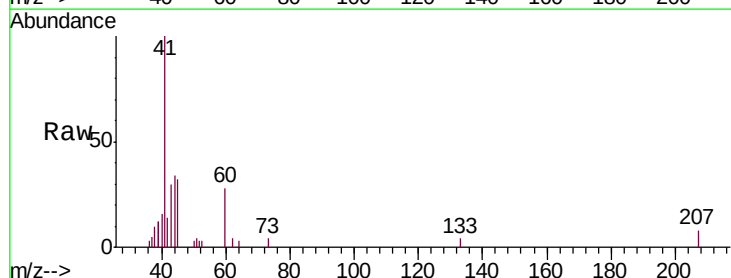
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



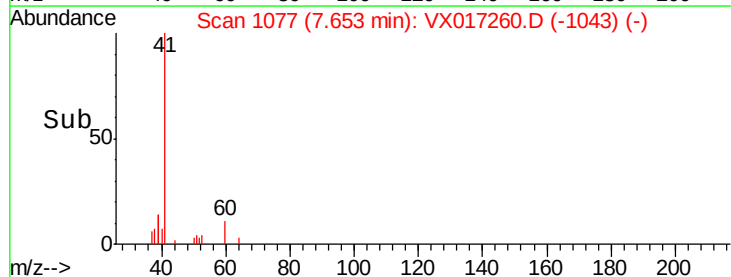
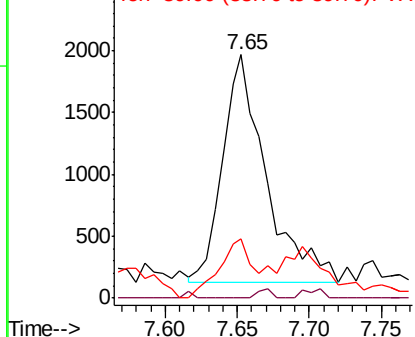
#48

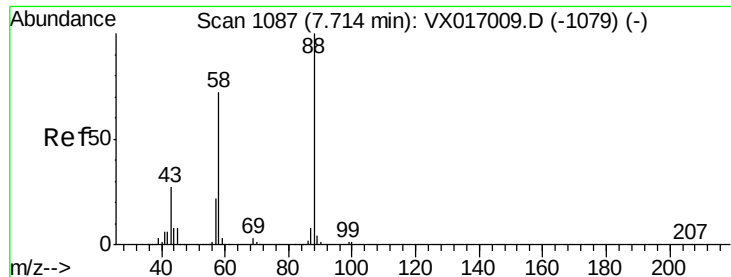
Methyl methacrylate
 Concen: 1.171 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.09 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

Tgt Ion: 41 Resp: 3901
 Ion Ratio Lower Upper
 41 100
 69 1.3 65.8 98.8#
 39 0.0 42.5 63.7#



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

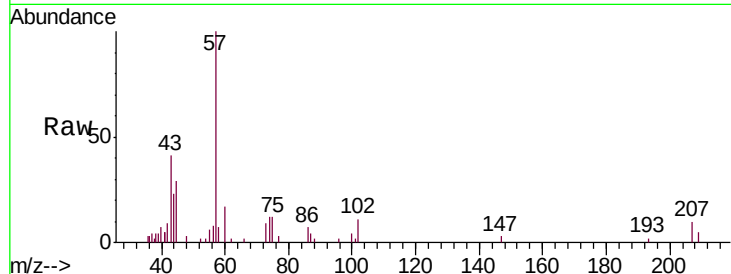




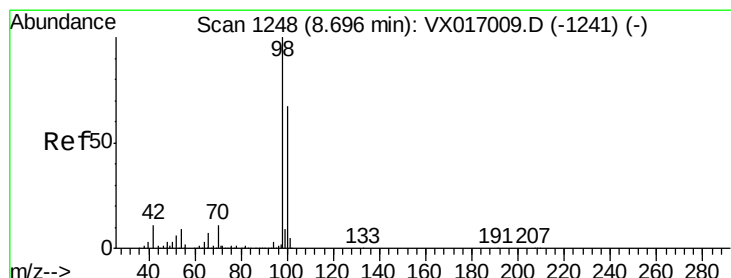
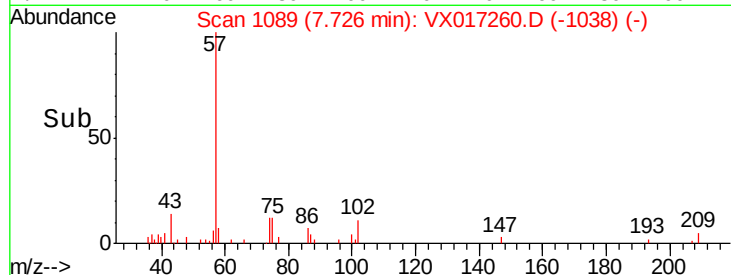
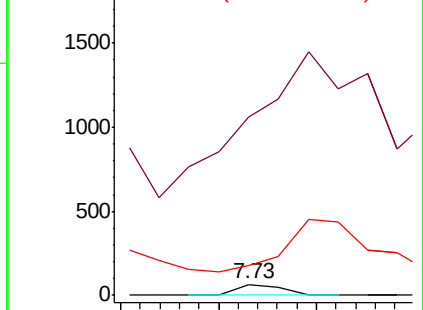
#49
1,4-Dioxane
Concen: 0.556 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 1719.0 54.8 82.2#

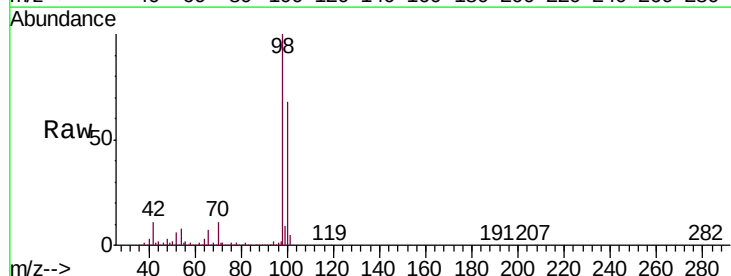


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

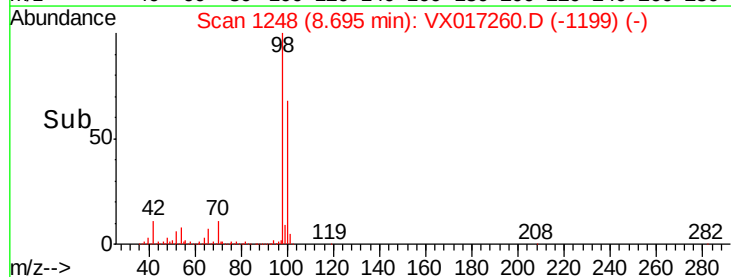
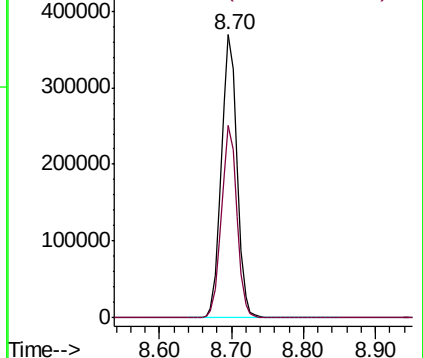


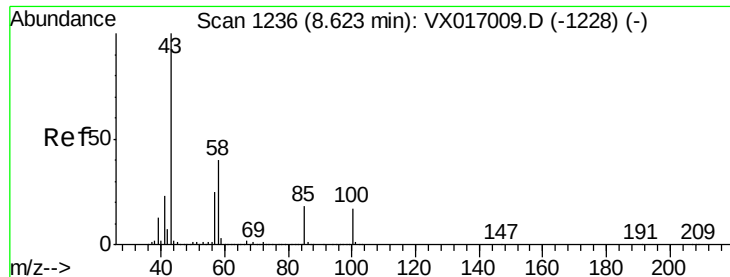
#50
Toluene-d8
Concen: 54.315 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Tgt Ion: 98 Resp: 559116
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.6



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

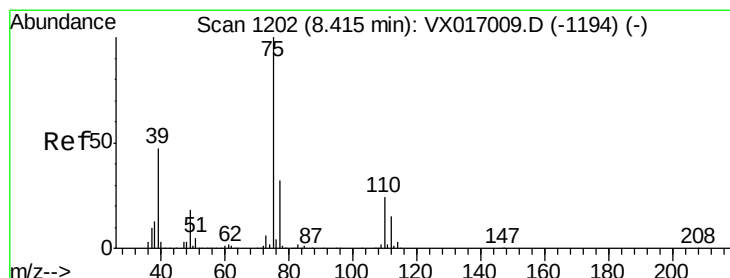
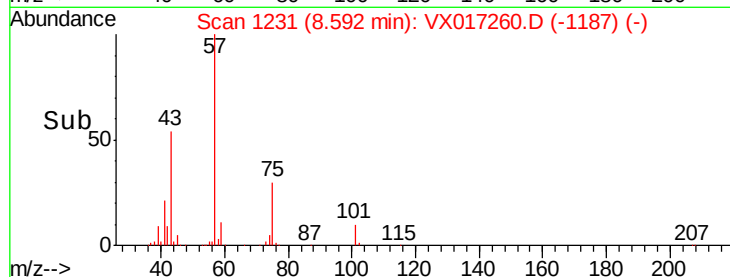
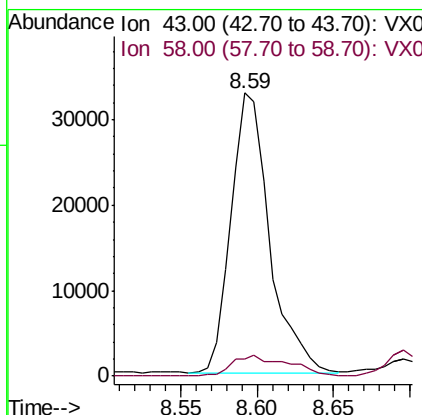
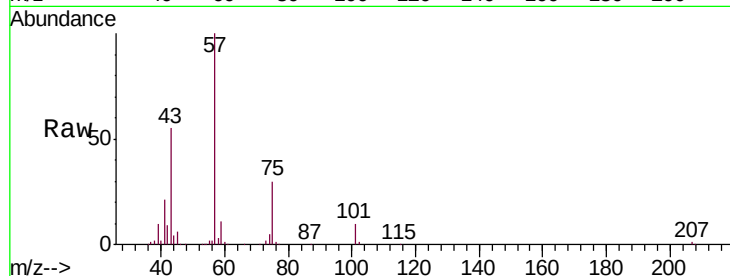




#51
 4-Methyl-2-Pentanone
 Concen: 13.735 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

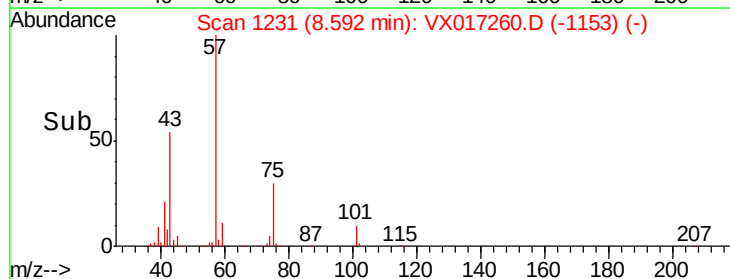
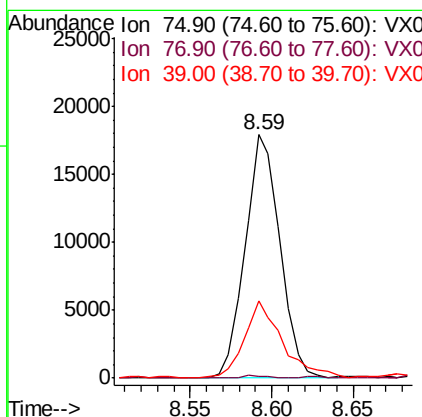
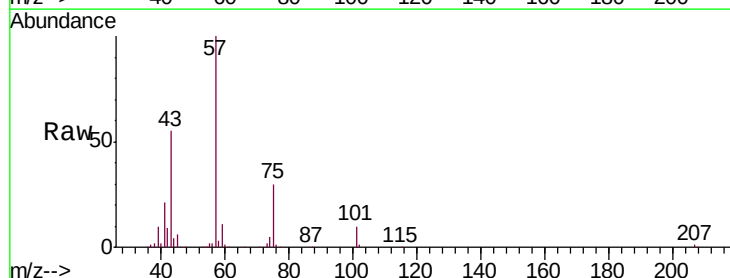
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

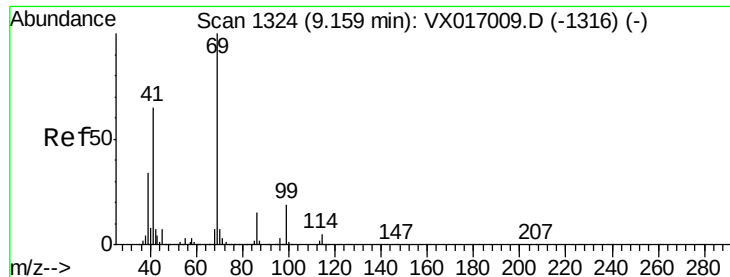
Tgt Ion: 43 Resp: 57414
 Ion Ratio Lower Upper
 43 100
 58 11.1 31.9 47.9#



#54
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017260.D
 Acq: 08 Jul 2020 17:01

Tgt Ion: 75 Resp: 26701
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 31.4 37.4 56.2#





#56

Ethyl methacrylate

Concen: 0.268 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

IBLK

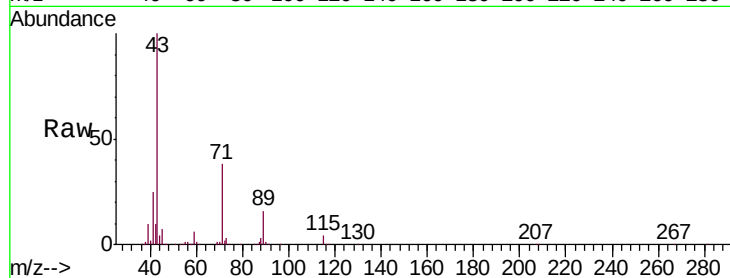
Tgt Ion: 69 Resp: 1190

Ion Ratio Lower Upper

69 100

41 3375.6 53.6 80.4#

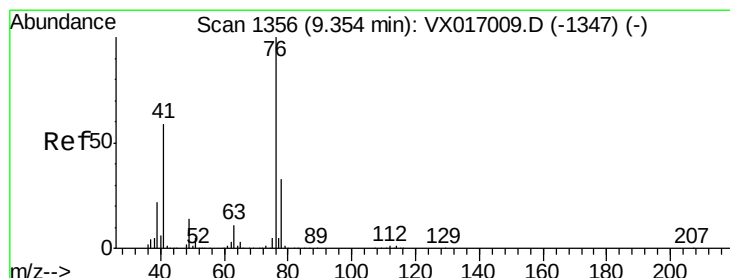
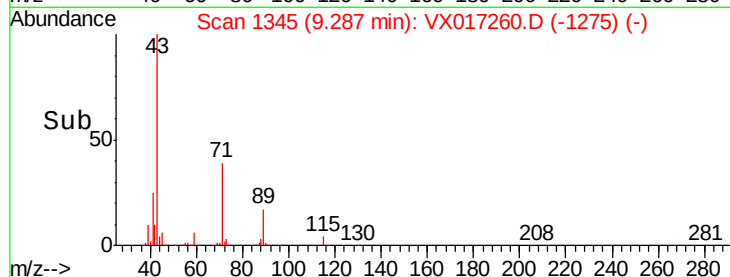
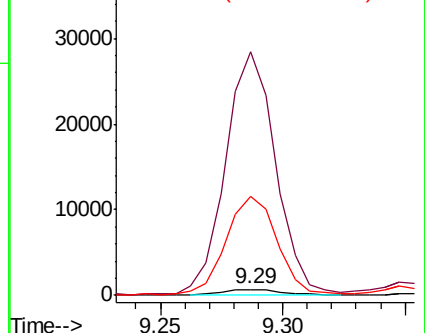
39 1415.3 28.2 42.2#



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



#57

1,3-Dichloropropane

Concen: 0.755 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.16 min

Lab File: VX017260.D

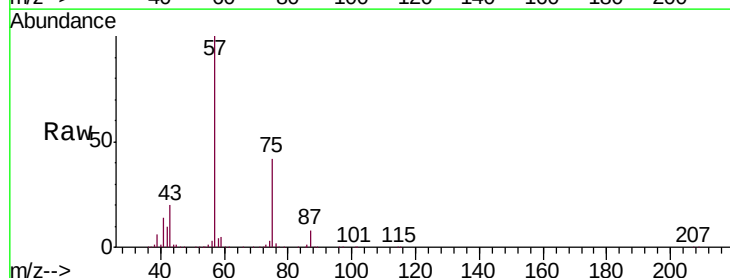
Acq: 08 Jul 2020 17:01

Tgt Ion: 76 Resp: 3985

Ion Ratio Lower Upper

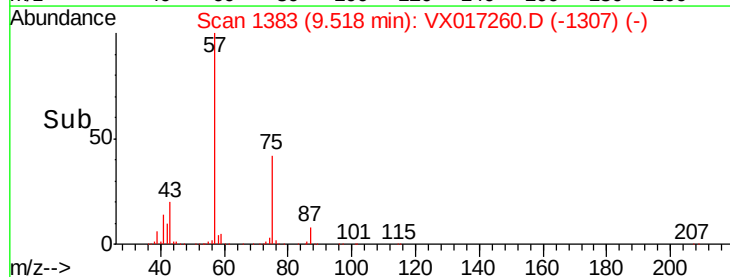
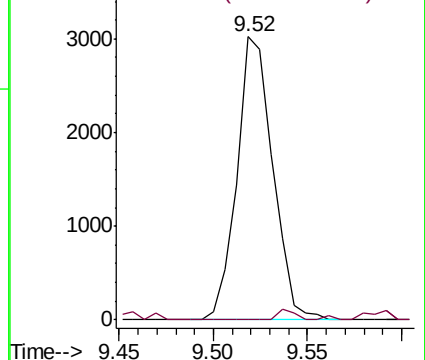
76 100

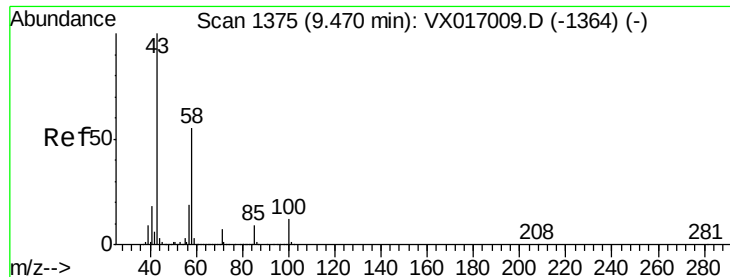
78 1.7 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

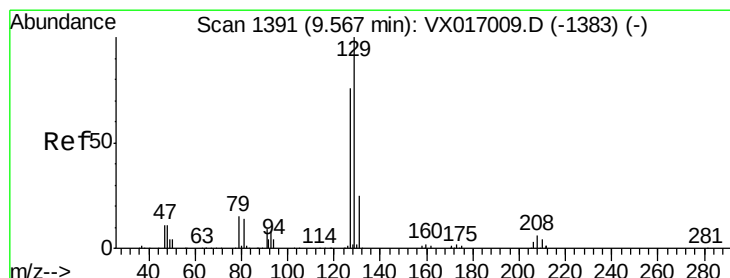
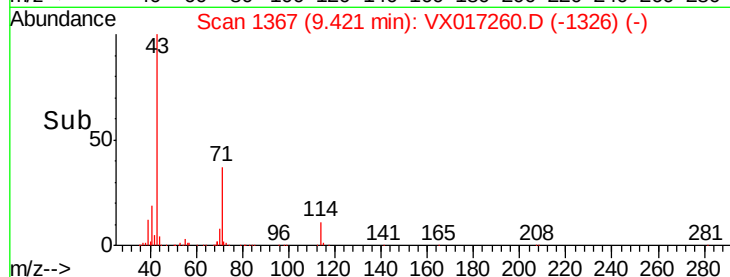
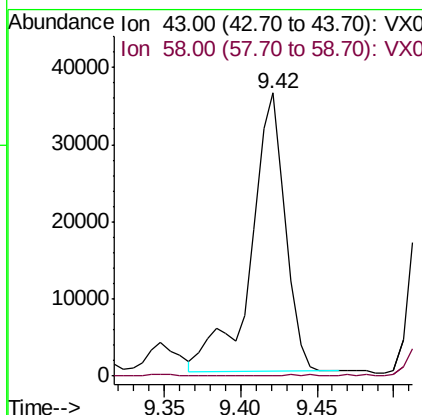
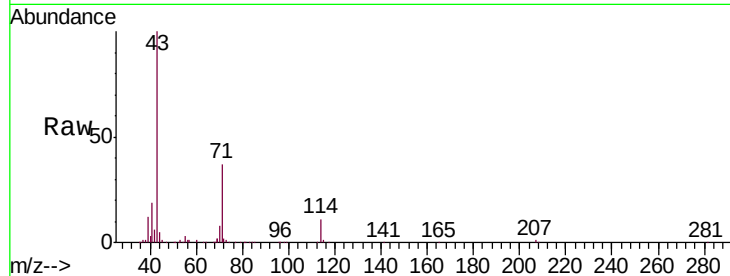




#59
2-Hexanone
Concen: 18.552 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

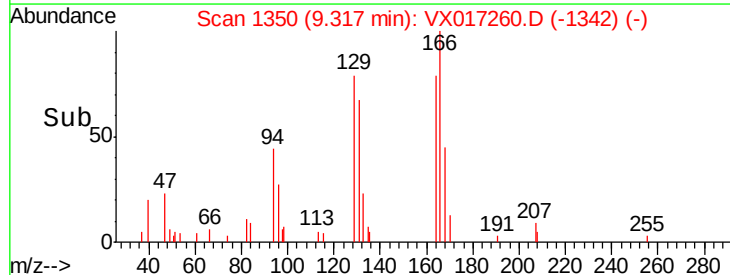
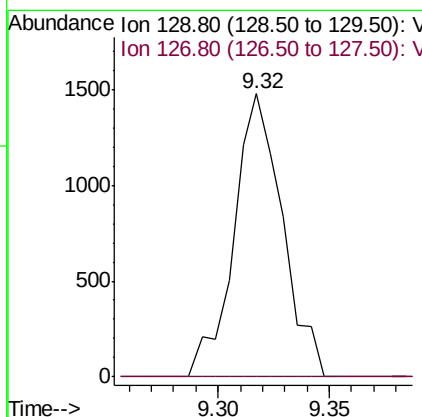
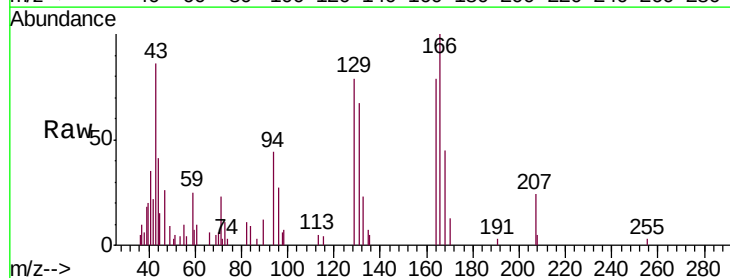
Instrument :
MSVOA_X
ClientSampled :
IBLK

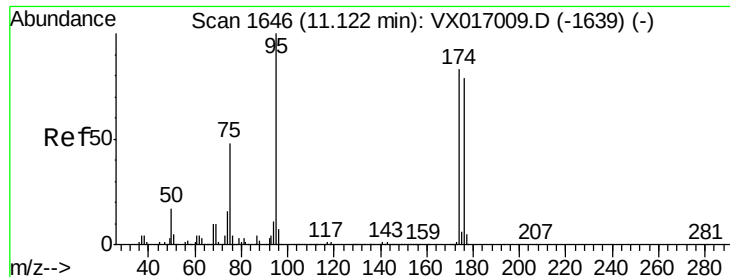
Tgt Ion: 43 Resp: 56636
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#60
Dibromochloromethane
Concen: 0.619 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Tgt Ion: 129 Resp: 2242
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

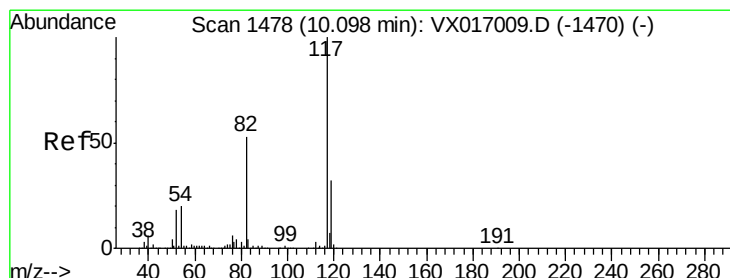
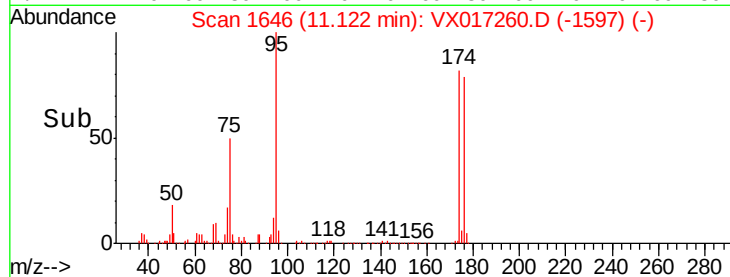
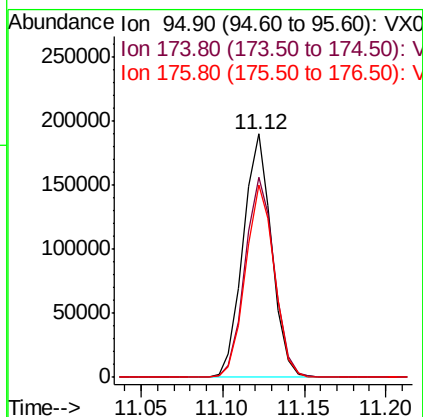
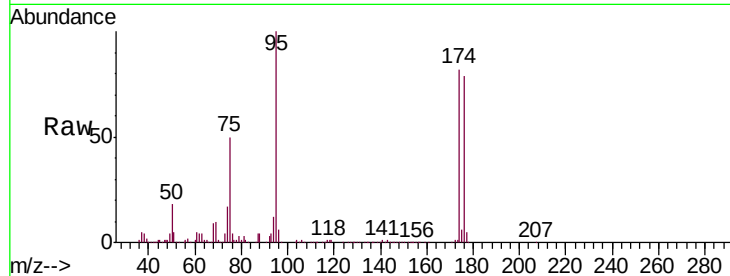




#62
4-Bromofluorobenzene
Concen: 57.538 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

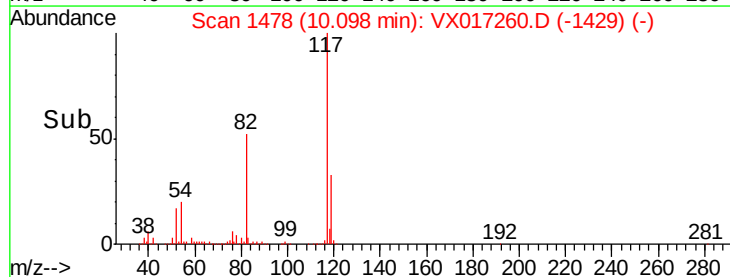
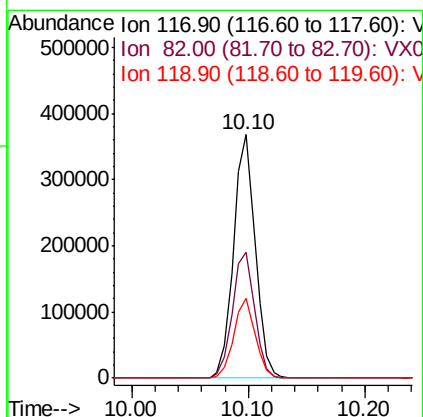
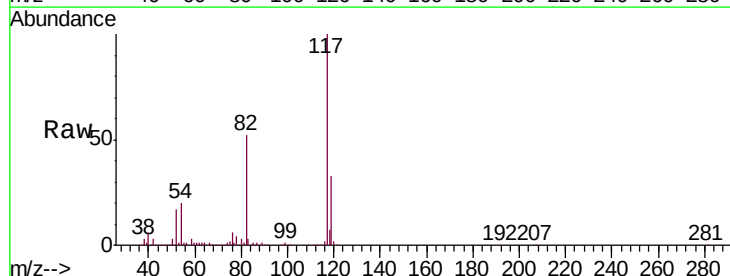
Instrument :
MSVOA_X
ClientSampled :
IBLK

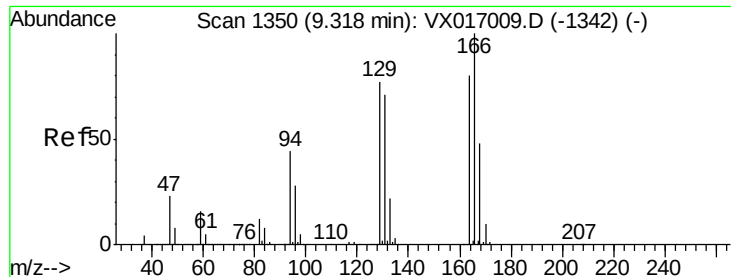
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	164.0
176	80.3	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017260.D
Acq: 08 Jul 2020 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.6	63.8
119	32.9	25.4	38.2





#64

Tetrachloroethene

Concen: 0.584 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:164 Resp: 2262

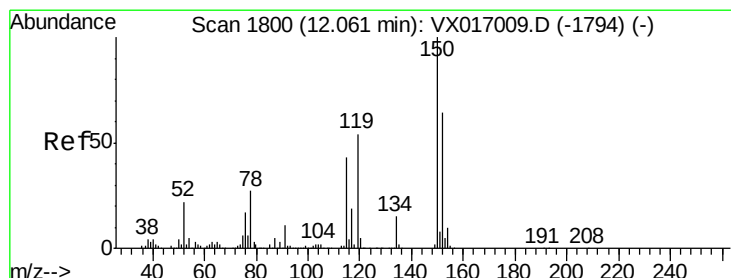
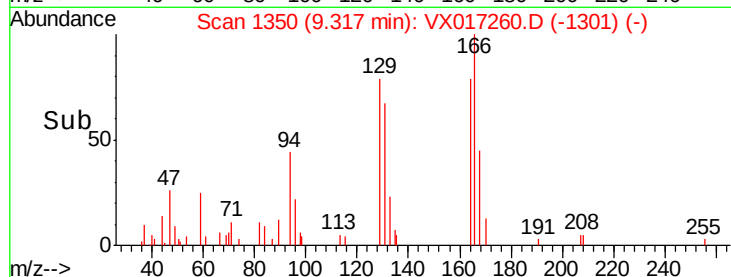
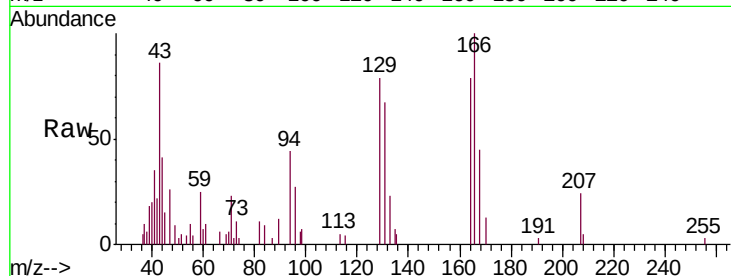
Ion Ratio Lower Upper

164 100

166 126.0 99.4 149.0

129 99.7 76.3 114.5

131 84.2 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: VX017260.D

Acq: 08 Jul 2020 17:01

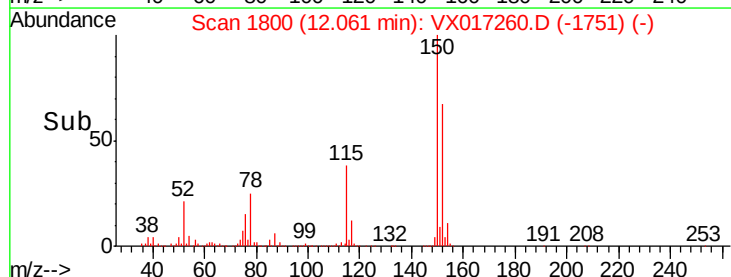
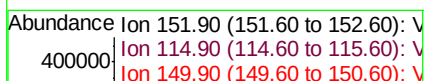
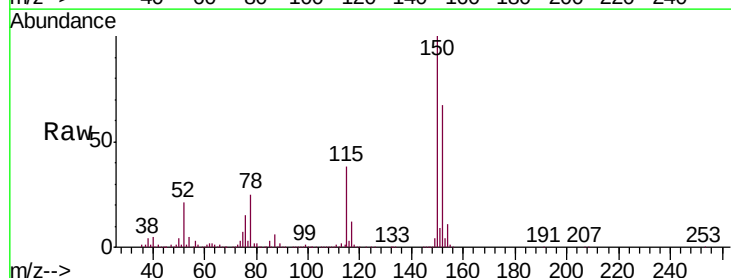
Tgt Ion:152 Resp: 253131

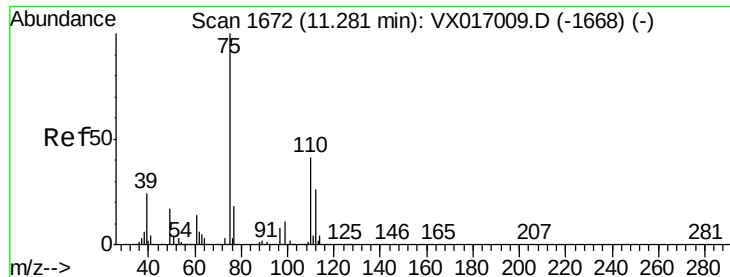
Ion Ratio Lower Upper

152 100

115 55.7 40.9 122.7

150 154.1 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.434 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

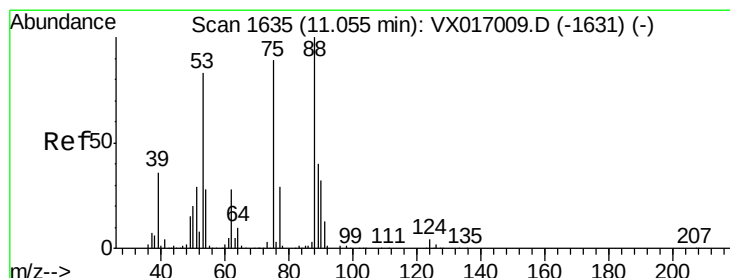
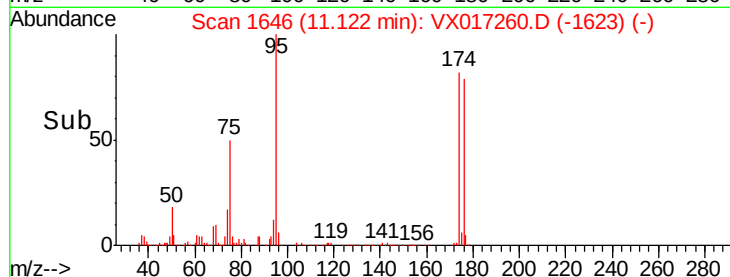
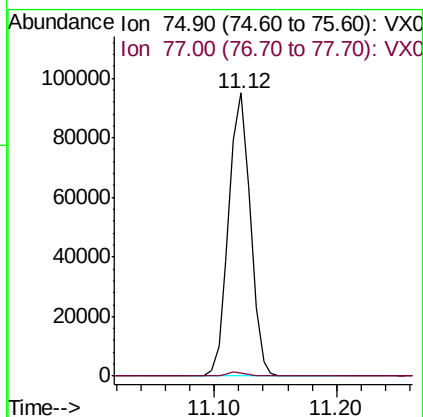
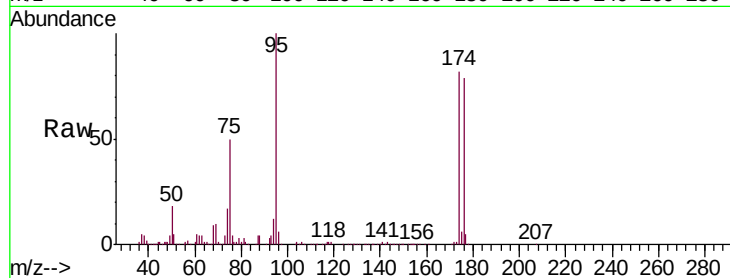
IBLK

Tgt Ion: 75 Resp: 116649

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.687 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017260.D

Acq: 08 Jul 2020 17:01

Tgt Ion: 75 Resp: 116649

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#

