

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091520\
 Data File : VX018419.D
 Acq On : 15 Sep 2020 19:55
 Operator : JC/SP
 Sample : L3871-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-091420

Quant Time: Sep 16 03:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	439671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	702861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	704232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	319994	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	5.47	113	249883	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	8.70	98	898179	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.12	95	332485	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

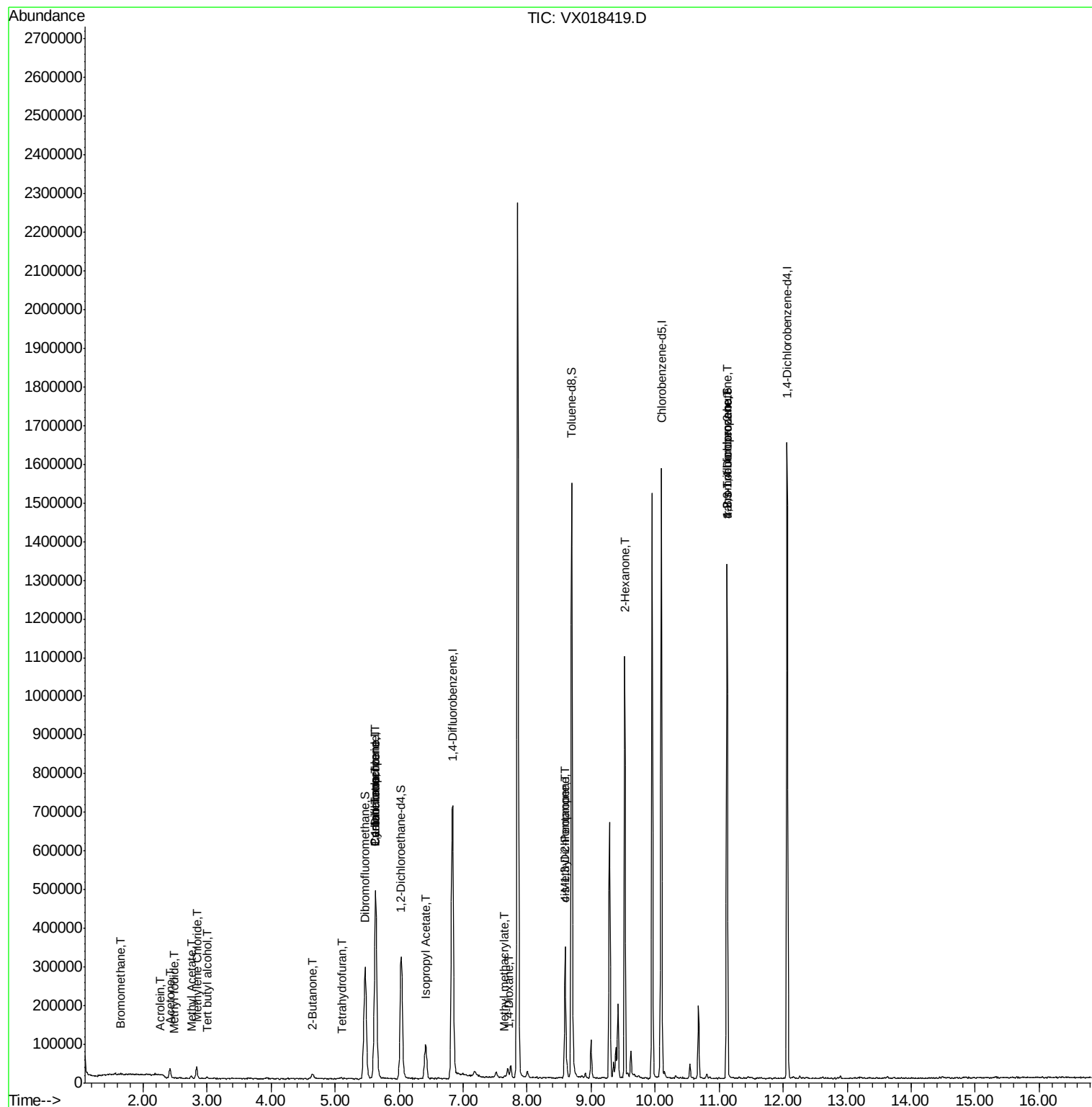
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	577	0.213	ug/l #	70
10) Methyl Iodide	2.50	142	214	5.330	ug/l #	66
11) Tert butyl alcohol	3.00	59	3285	2.768	ug/l #	93
13) Acrolein	2.27	56	488	0.992	ug/l #	1
16) Acetone	2.42	43	24922	10.478	ug/l	98
18) Methyl Acetate	2.75	43	8181	1.425	ug/l #	87
20) Methylene Chloride	2.84	84	13589	1.665	ug/l #	81
25) 2-Butanone	4.64	43	4614	1.180	ug/l	93
29) Tetrahydrofuran	5.10	42	1809	0.727	ug/l #	58
31) Cyclohexane	5.63	56	9940	1.361	ug/l #	24
36) 1,1-Dichloropropene	5.62	75	34717	5.355	ug/l #	52
38) Carbon Tetrachloride	5.64	117	44813	6.134	ug/l #	17
43) Isopropyl Acetate	6.42	43	128534	10.569	ug/l	99
48) Methyl methacrylate	7.65	41	6028	0.996	ug/l #	17
49) 1,4-Dioxane	7.72	88	177	1.614	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	122112	16.255	ug/l #	49
54) cis-1,3-Dichloropropene	8.59	75	51695	6.108	ug/l #	60
59) 2-Hexanone	9.52	43	122503	21.446	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	171346	22.892	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	171346	61.827	ug/l #	12

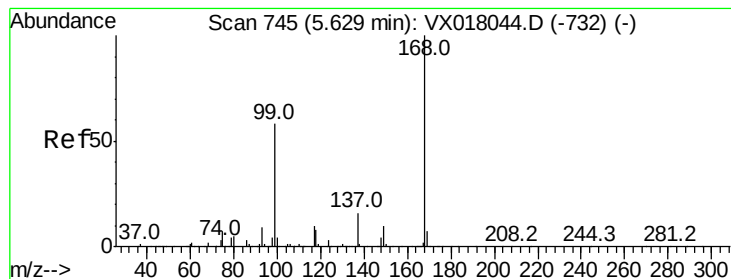
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

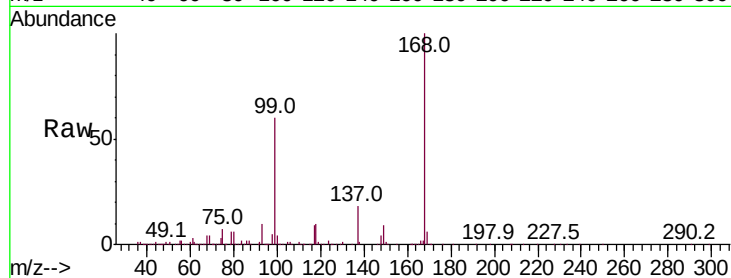
TR-04-091420

Tot Ion:168 Resp: 439671

Ion Ratio Lower Upper

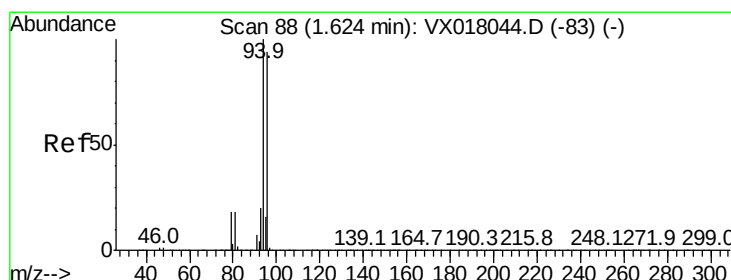
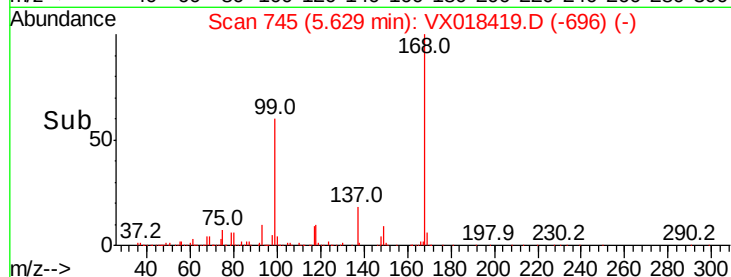
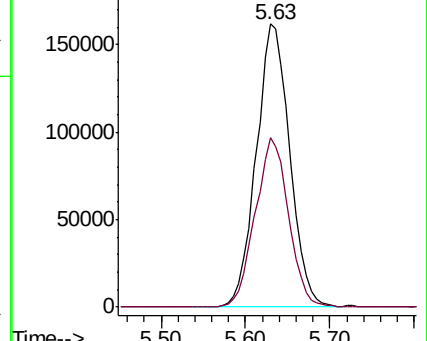
168 100

99 59.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.213 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018419.D

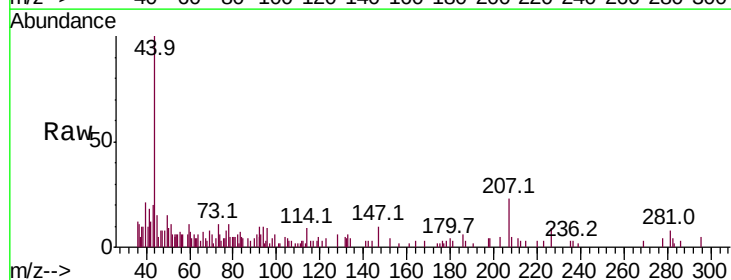
Acq: 15 Sep 2020 19:55

Tgt Ion: 94 Resp: 577

Ion Ratio Lower Upper

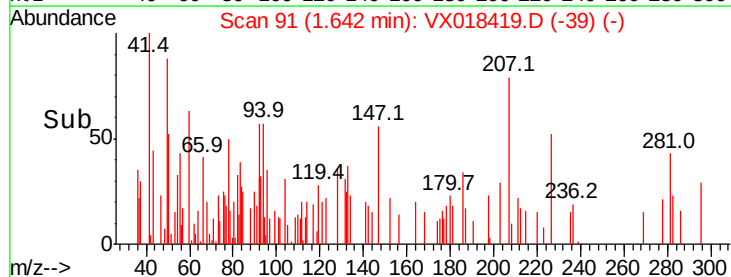
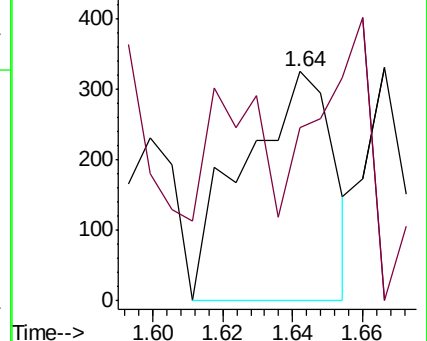
94 100

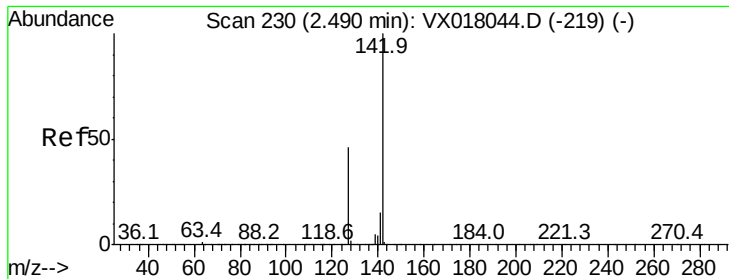
96 65.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

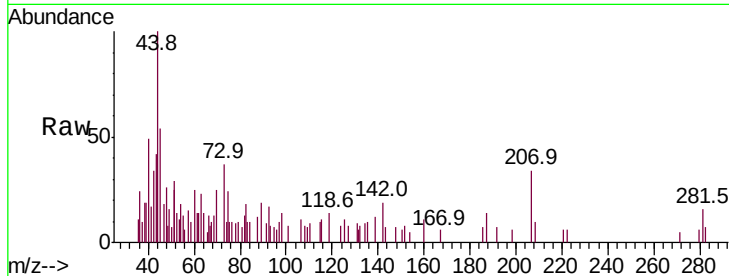




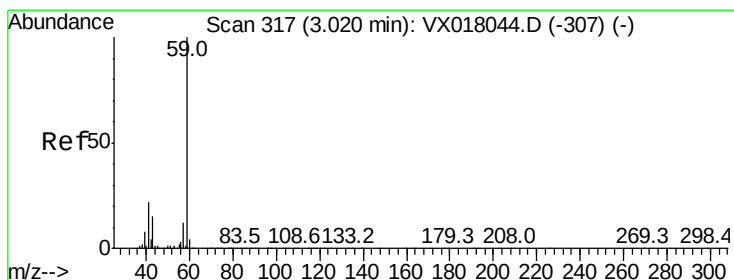
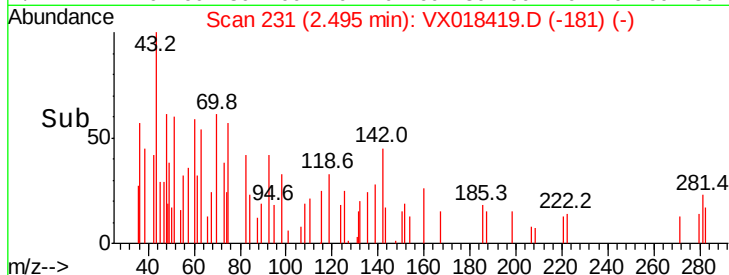
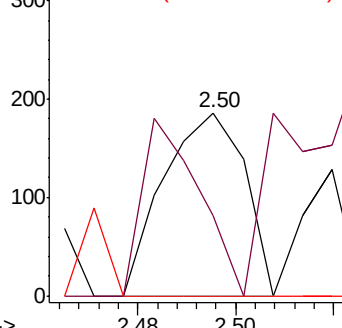
#10
Methyl Iodide
Concen: 5.330 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

Tot Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 68.2 37.0 55.6#
141 0.0 11.5 17.3#

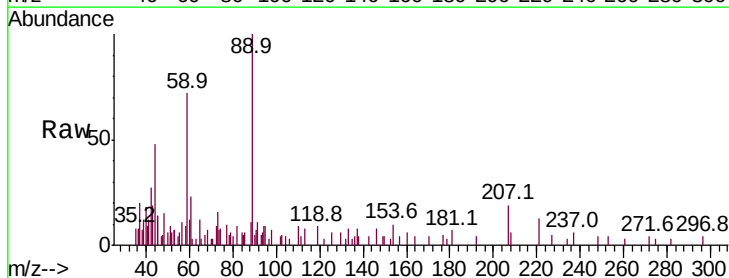


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

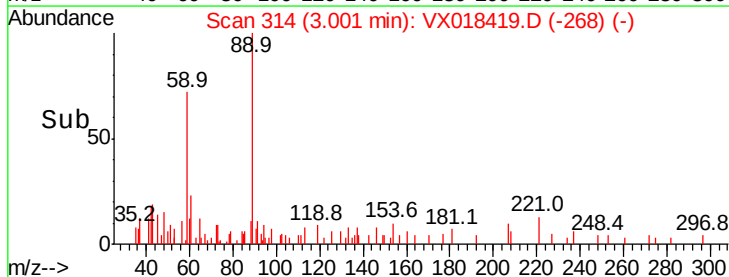
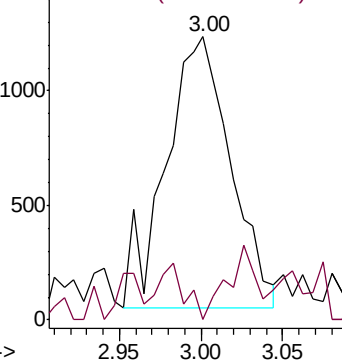


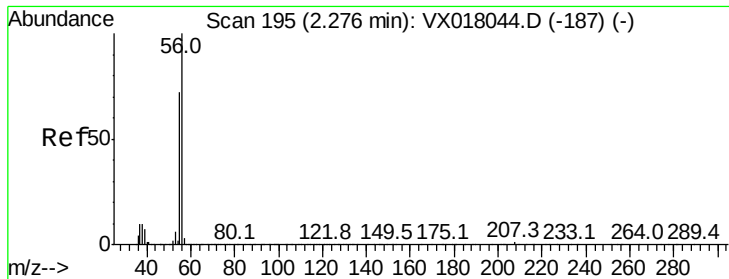
#11
Tert butyl alcohol
Concen: 2.768 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion: 59 Resp: 3285
Ion Ratio Lower Upper
59 100
57 8.3 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

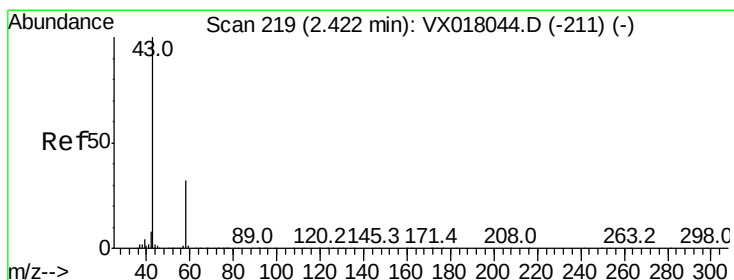
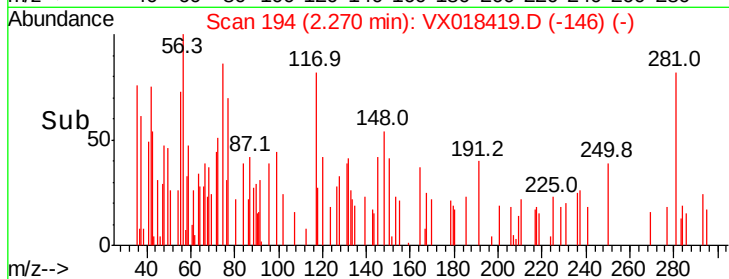
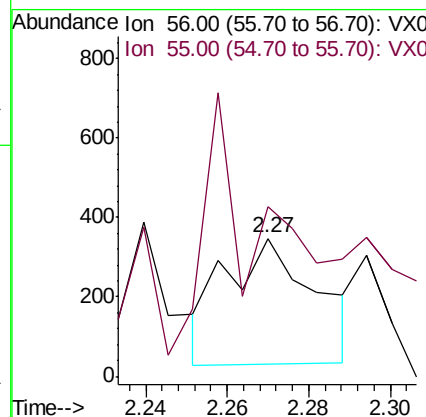
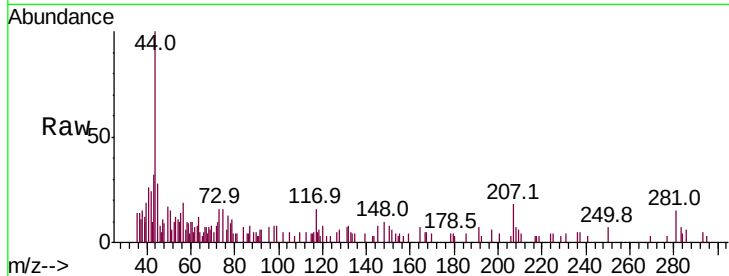




#13
Acrolein
Concen: 0.992 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

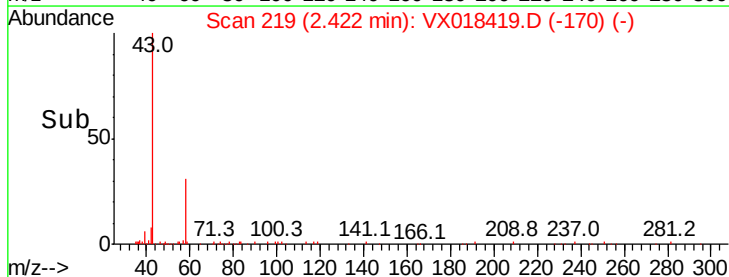
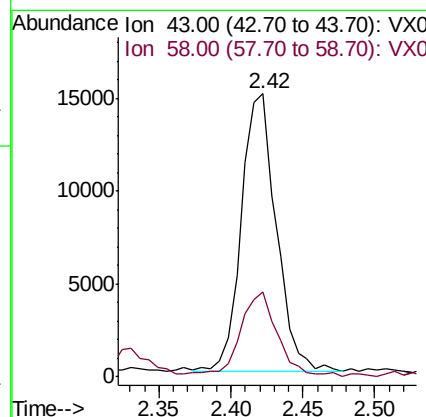
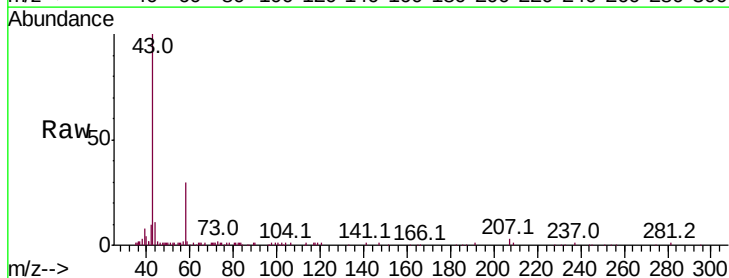
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

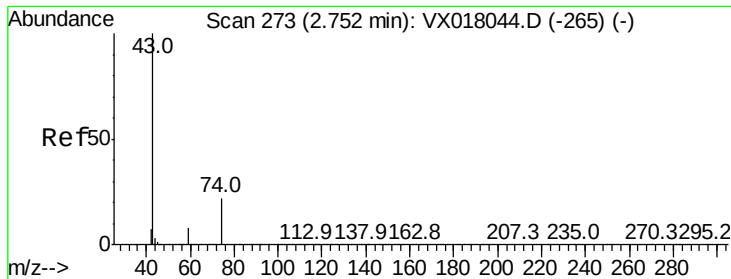
Tot Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 157.0 57.0 85.6#



#16
Acetone
Concen: 10.478 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion: 43 Resp: 24922
Ion Ratio Lower Upper
43 100
58 30.9 25.5 38.3

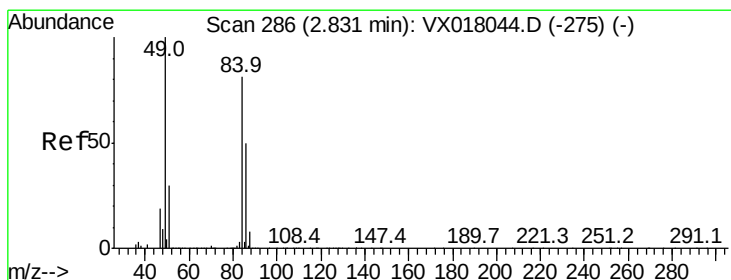
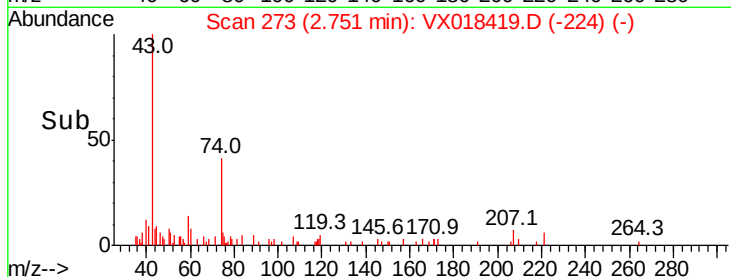
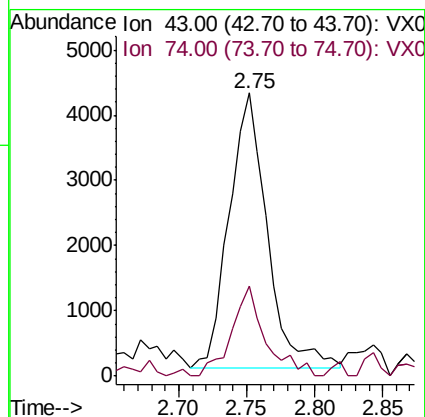
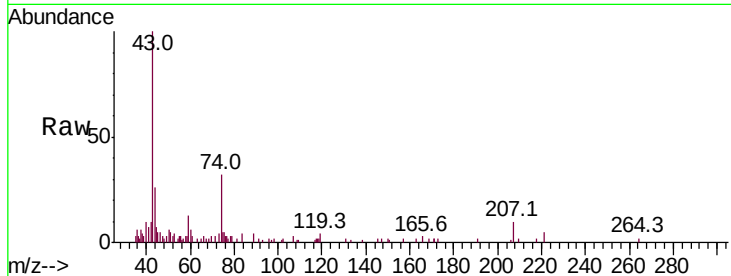




#18
Methvl Acetate
Concen: 1.425 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

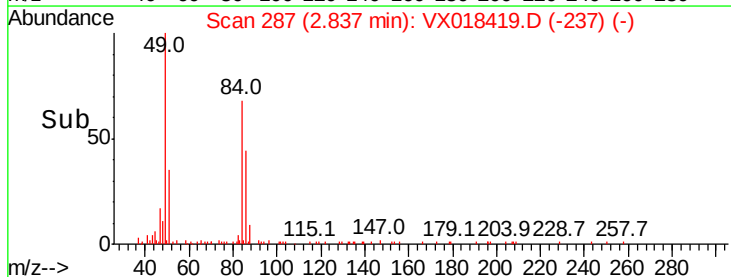
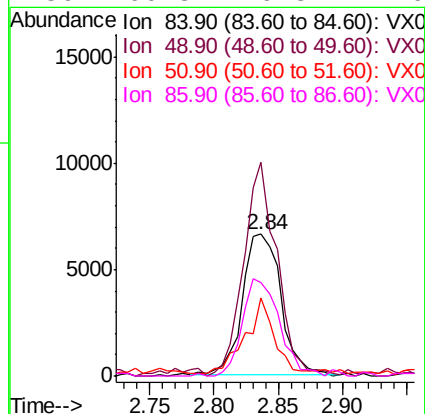
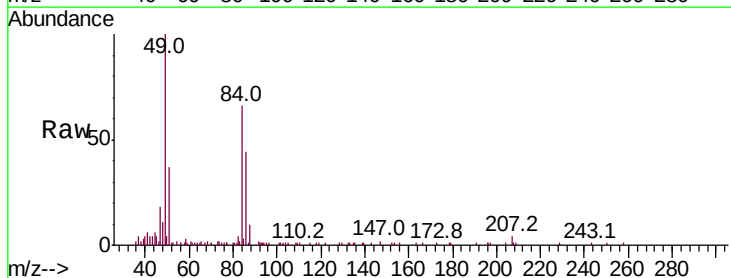
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

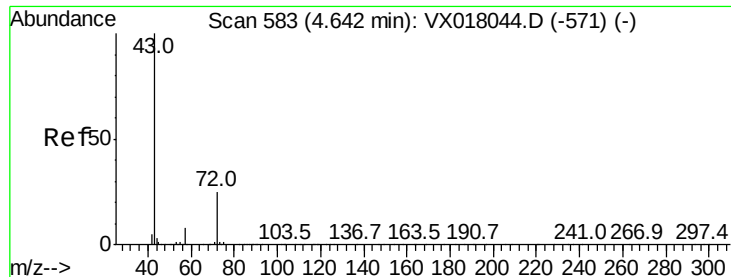
Tot Ion: 43 Resp: 8181
Ion Ratio Lower Upper
43 100
74 29.1 18.2 27.4#



#20
Methylene Chloride
Concen: 1.665 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion: 84 Resp: 13589
Ion Ratio Lower Upper
84 100
49 150.5 98.6 148.0#
51 52.4 29.6 44.4#
86 66.3 49.8 74.6





#25

2-Butanone

Concen: 1.180 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

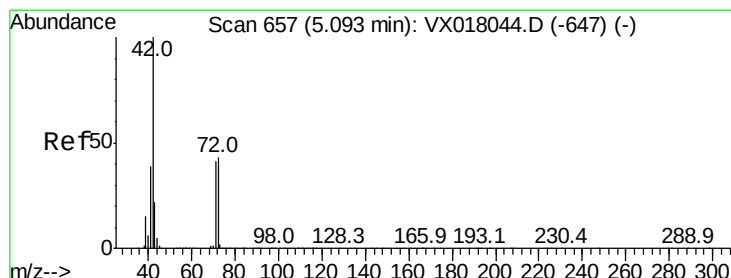
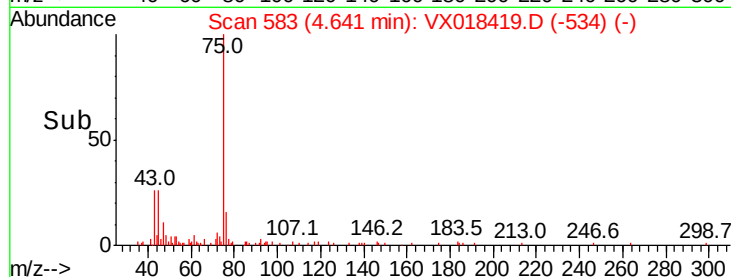
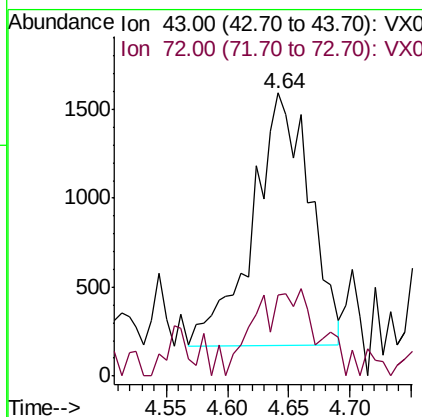
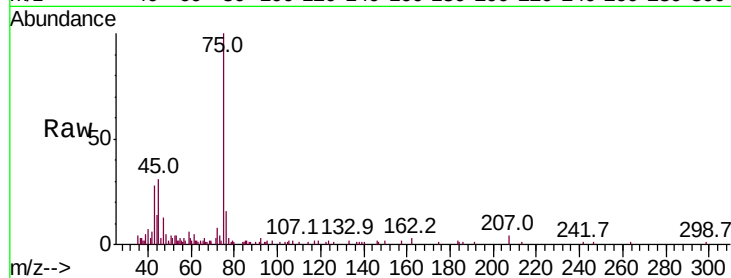
TR-04-091420

Tot Ion: 43 Resp: 4614

Ion Ratio Lower Upper

43 100

72 28.1 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.727 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

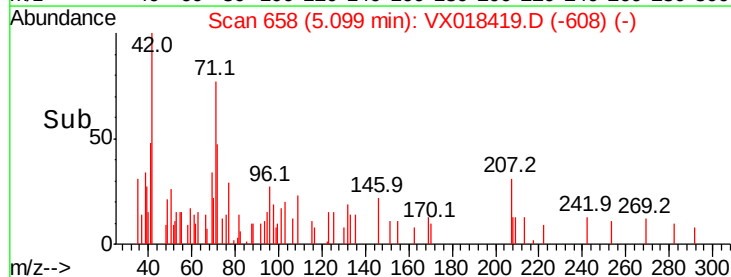
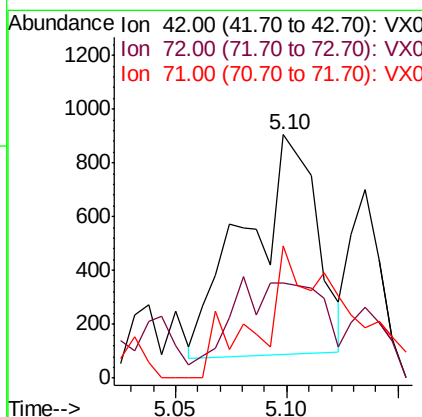
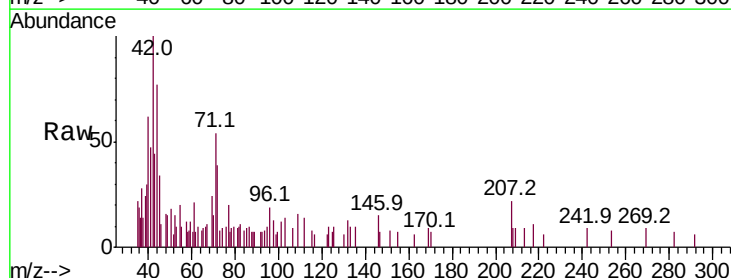
Tgt Ion: 42 Resp: 1809

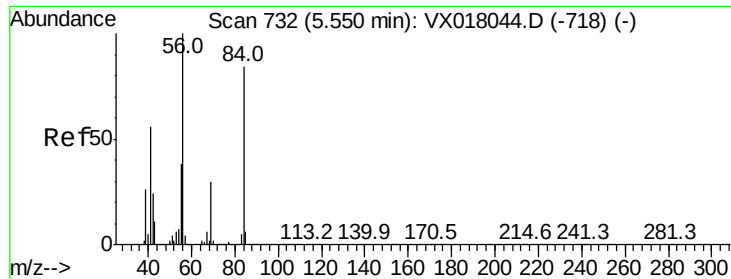
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 49.1 32.1 48.1#

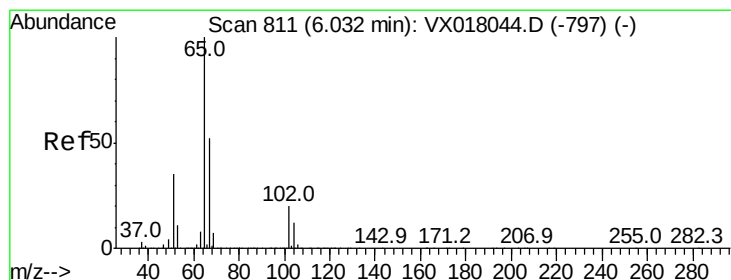
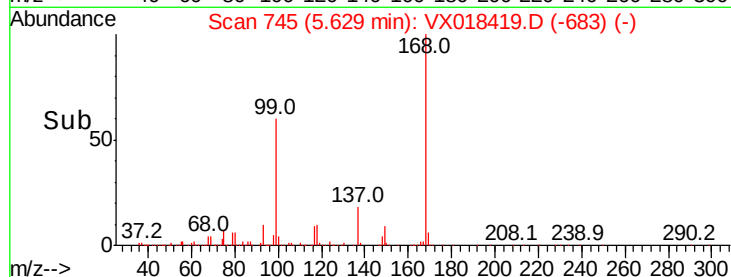
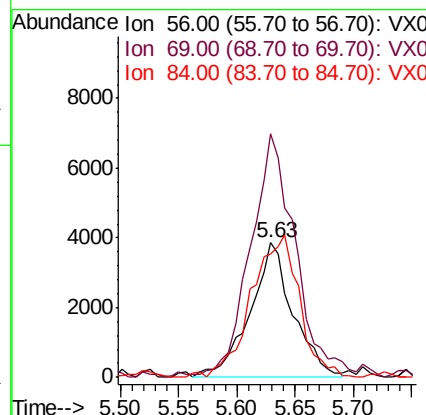
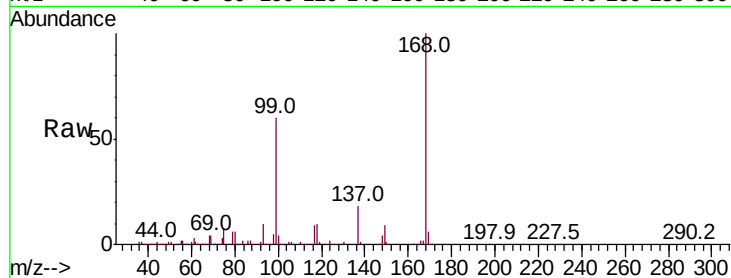




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

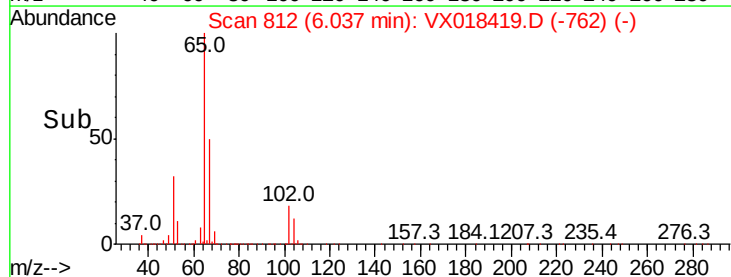
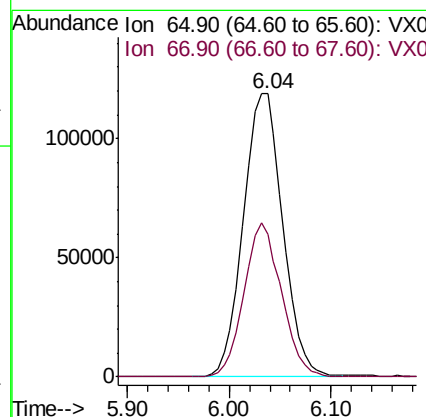
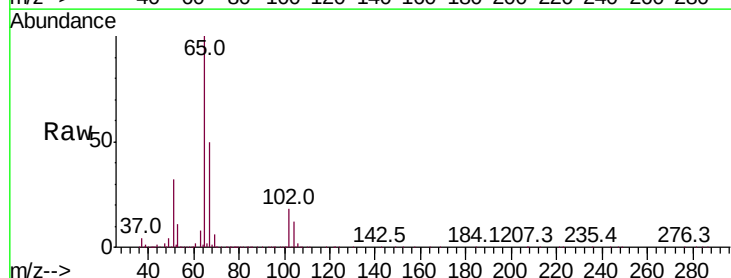
Instrument :
MSVOA_X
ClientSampled :
TR-04-091420

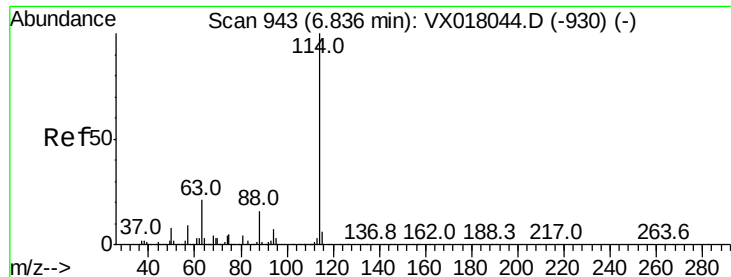
Tot Ion: 56 Resp: 9940
Ion Ratio Lower Upper
56 100
69 176.7 23.9 35.9#
84 89.6 67.0 100.4



#33
1,2-Dichloroethane-d4
Concen: 52.426 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion: 65 Resp: 319994
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

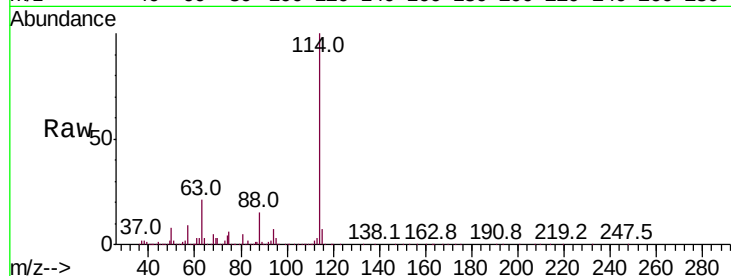
Tot Ion:114 Resp: 702861

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

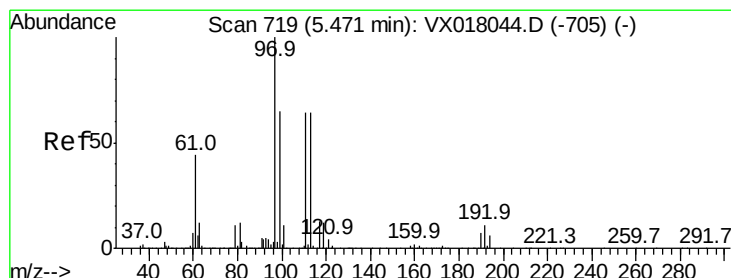
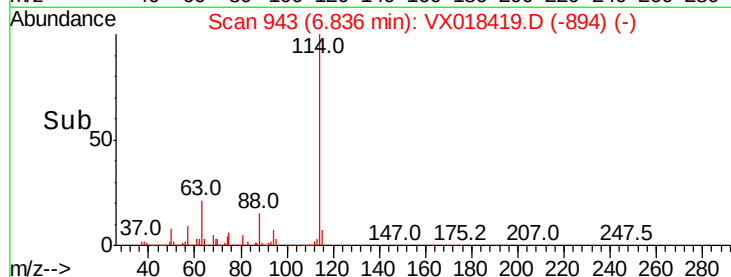
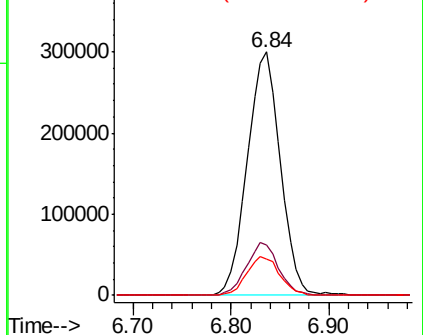
88 14.9 0.0 31.8



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: 52.202 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

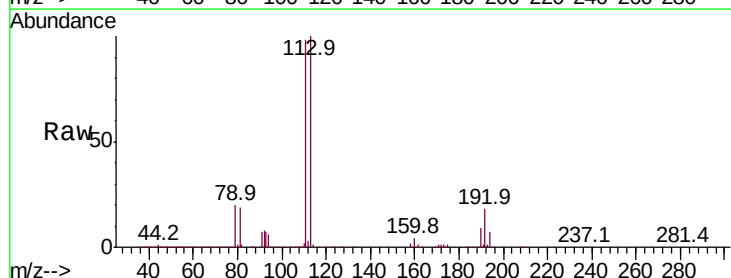
Tgt Ion:113 Resp: 249883

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

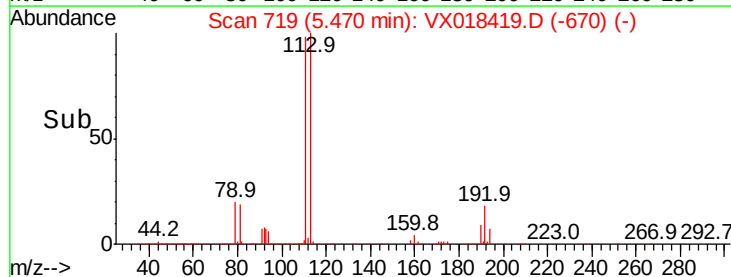
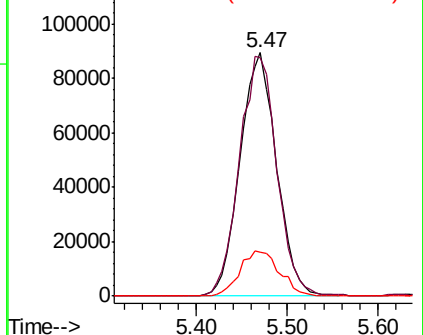
192 20.4 15.8 23.8

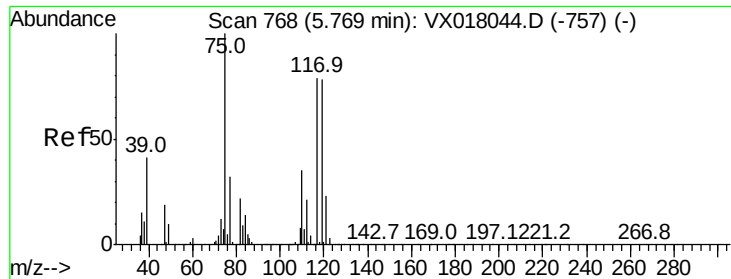


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

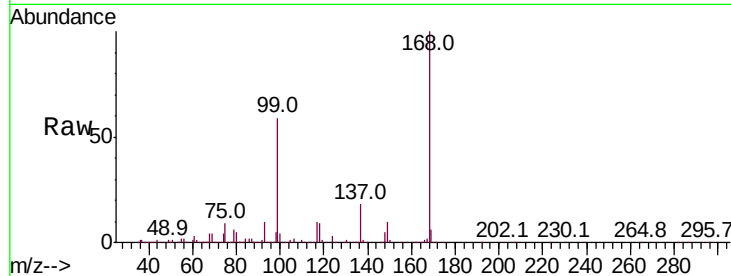
Tot Ion: 75 Resp: 34717

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

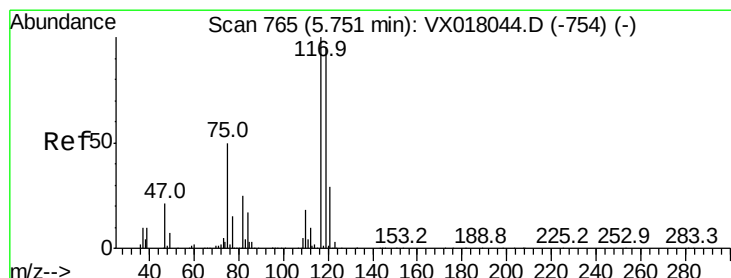
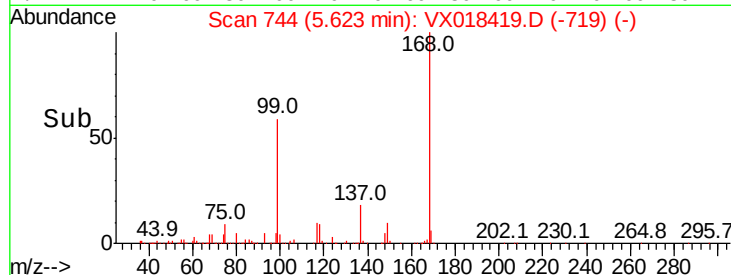
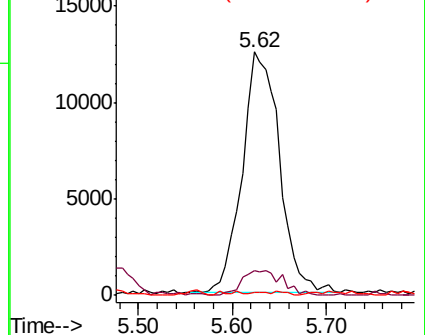
77 0.4 24.4 36.6#



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: 6.134 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

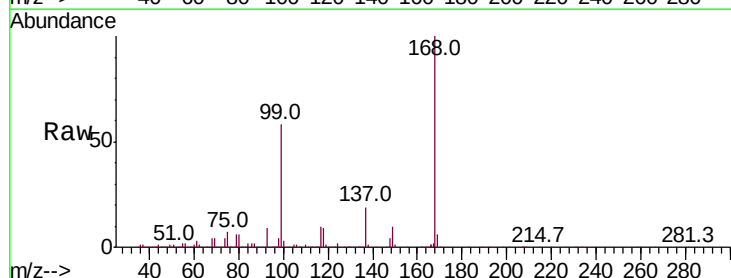
Tgt Ion: 117 Resp: 44813

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

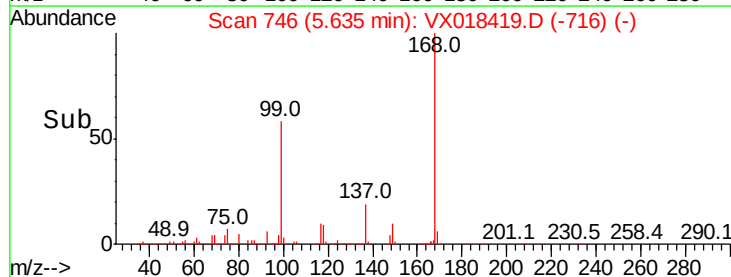
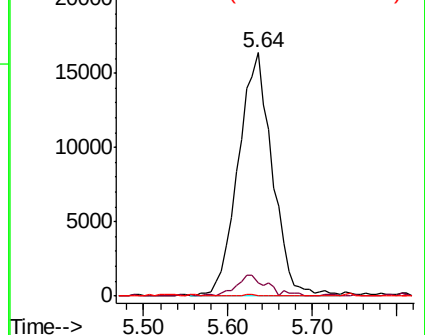
121 0.4 23.4 35.0#

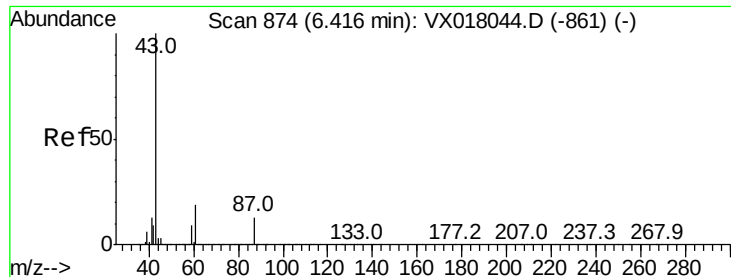


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.569 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

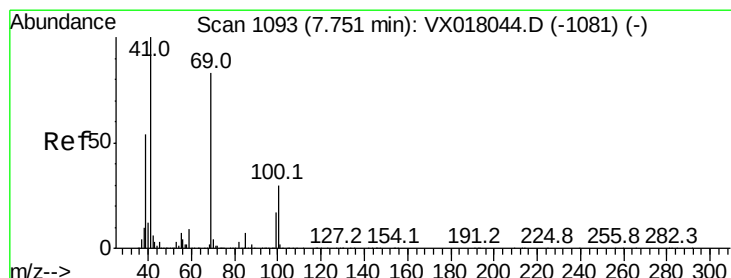
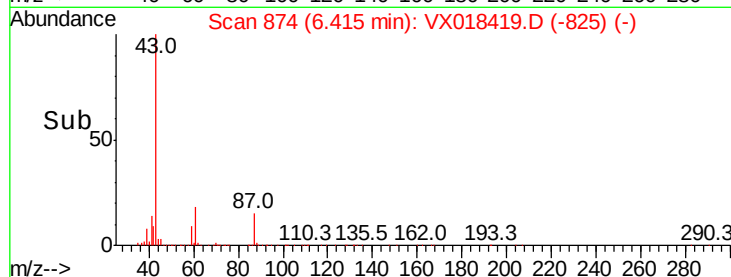
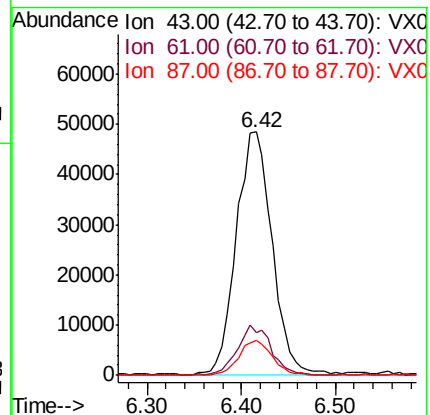
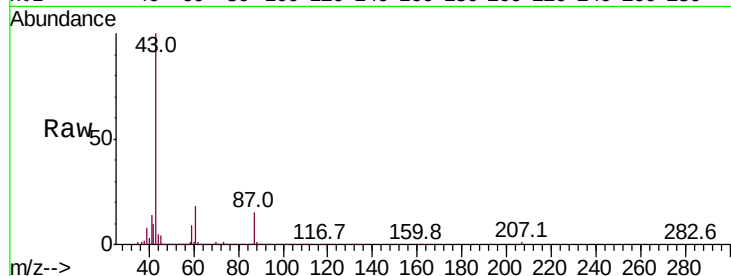
Tot Ion: 43 Resp: 128534

Ion Ratio Lower Upper

43 100

61 19.1 15.7 23.5

87 13.5 10.3 15.5



#48

Methyl methacrylate

Concen: 0.996 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

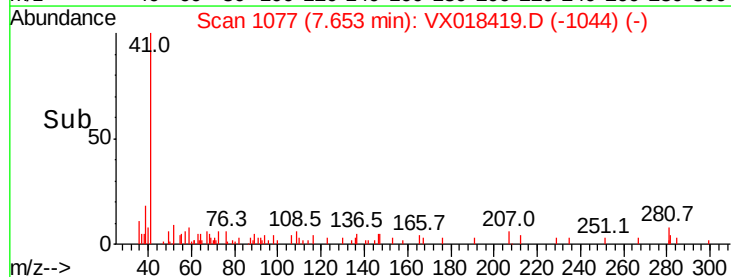
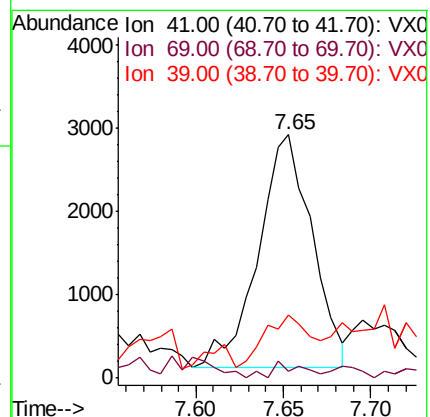
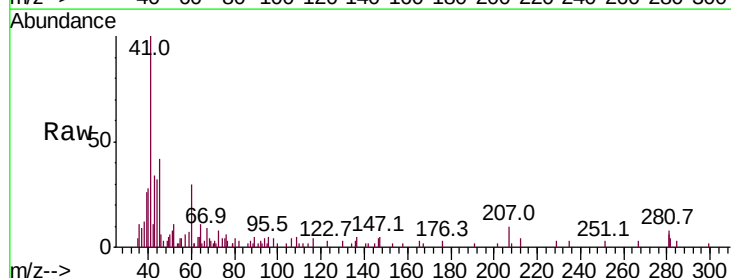
Tgt Ion: 41 Resp: 6028

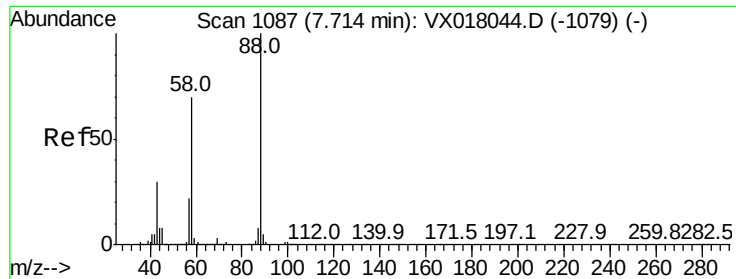
Ion Ratio Lower Upper

41 100

69 4.0 65.5 98.3#

39 0.0 44.5 66.7#





#49

1,4-Dioxane

Concen: 1.614 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

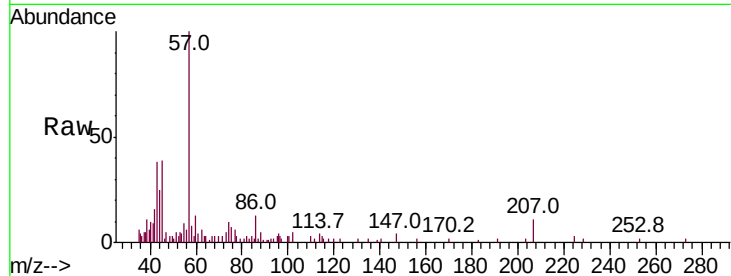
Tot Ion: 88 Resp: 177

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

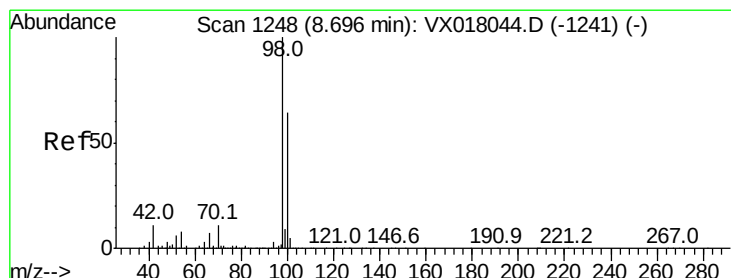
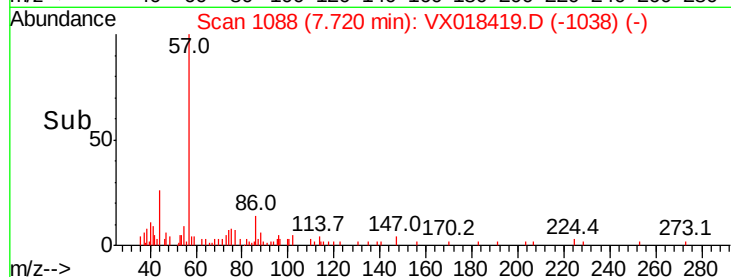
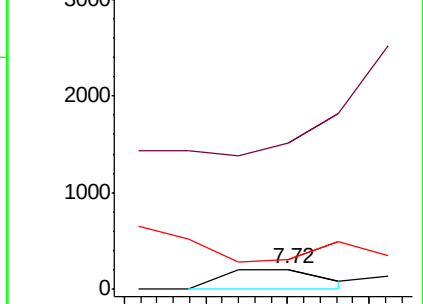
58 0.0 56.4 84.6#



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: 50.378 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018419.D

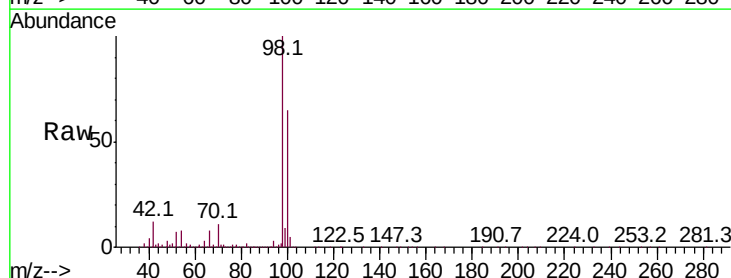
Acq: 15 Sep 2020 19:55

Tgt Ion: 98 Resp: 898179

Ion Ratio Lower Upper

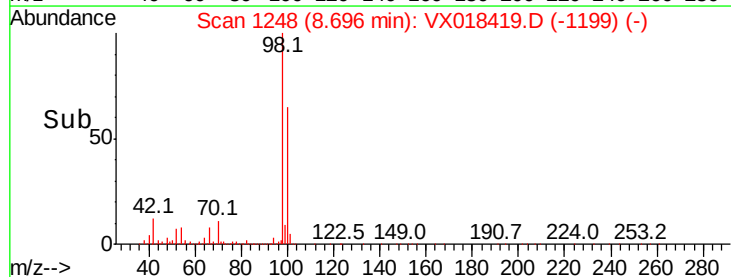
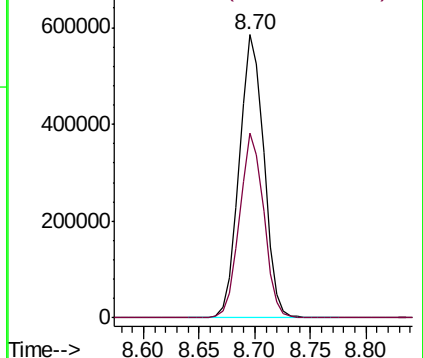
98 100

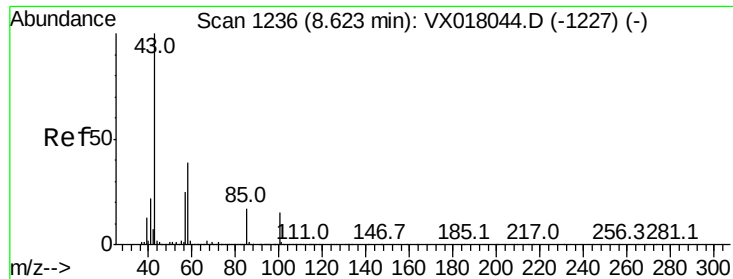
100 64.1 52.2 78.4



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: 16.255 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

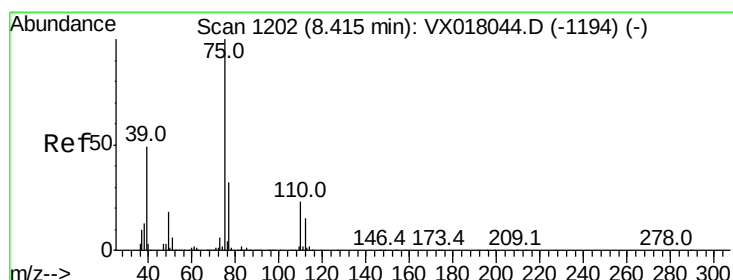
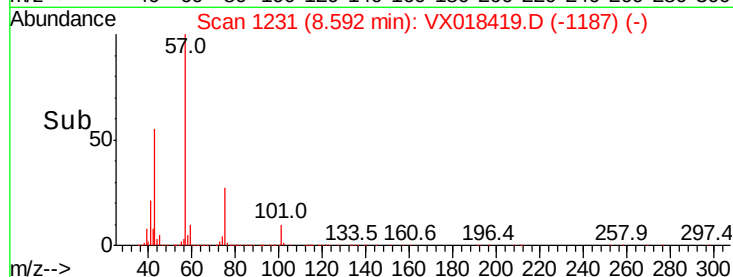
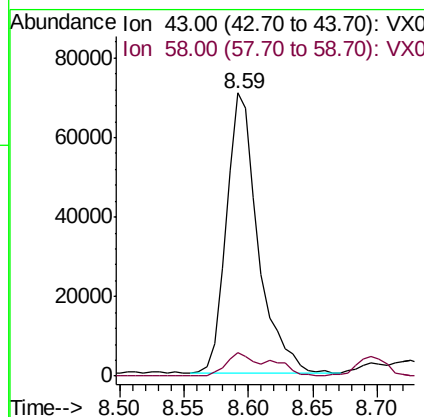
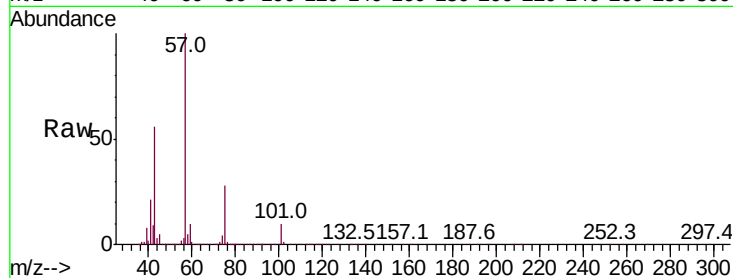
Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

Tot Ion: 43 Resp: 122112

Ion	Ratio	Lower	Upper
43	100		
58	7.5	30.7	46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.108 ug/l

RT: 8.59 min Scan# 1231

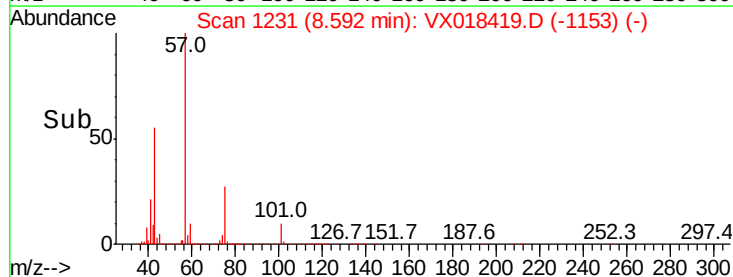
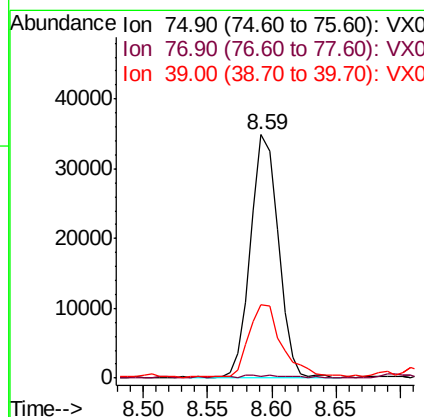
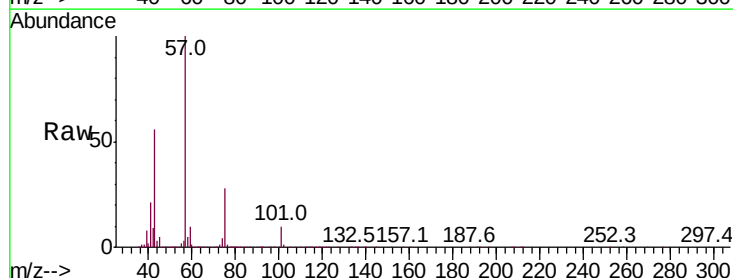
Delta R.T. 0.18 min

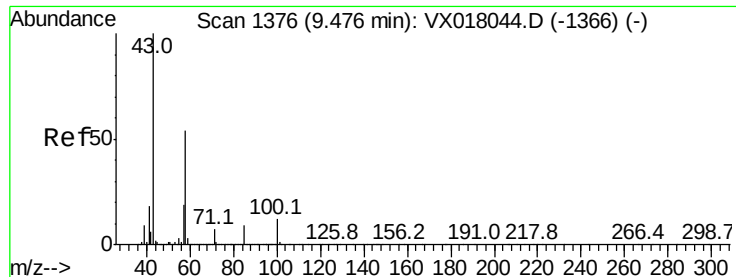
Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Tgt Ion: 75 Resp: 51695

Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.8	38.8#
39	29.3	38.8	58.2#

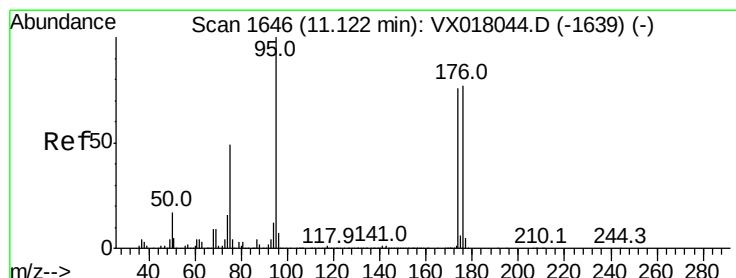
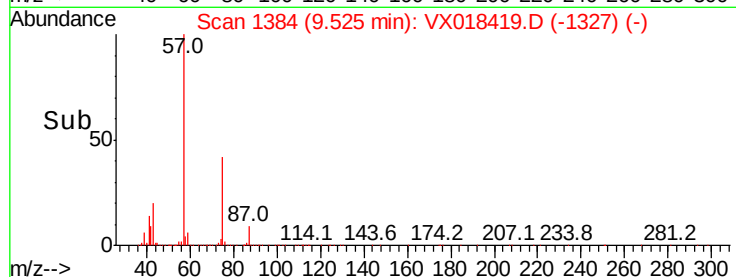
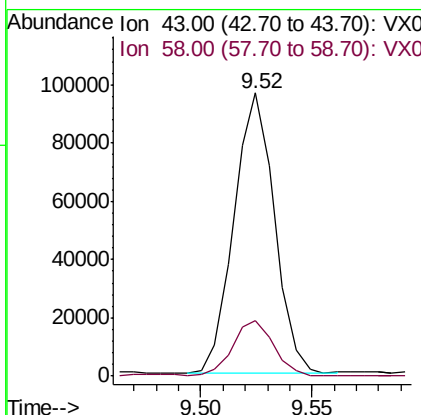
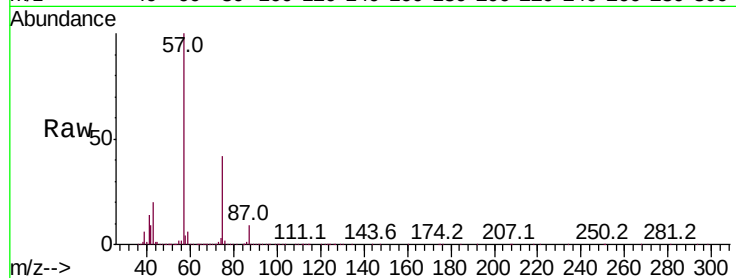




#59
2-Hexanone
Concen: 21.446 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

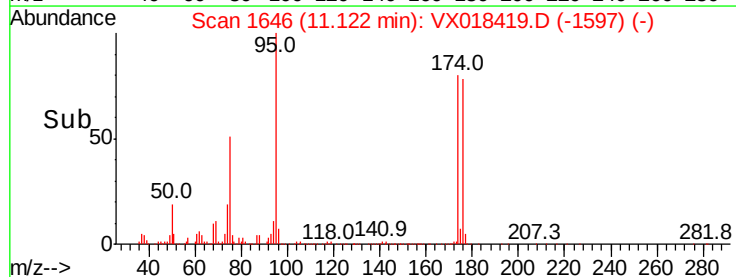
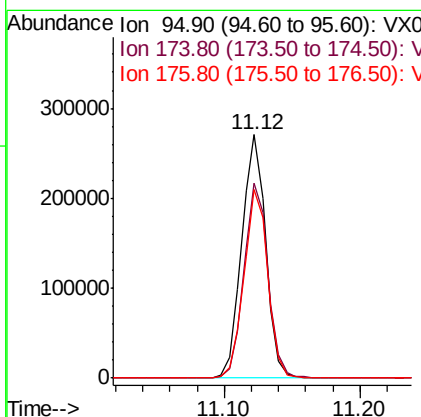
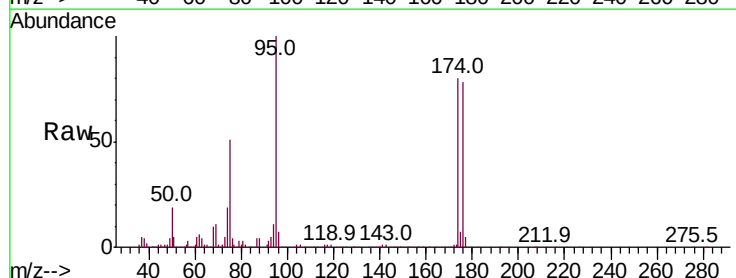
Instrument :
MSVOA_X
ClientSampled :
TR-04-091420

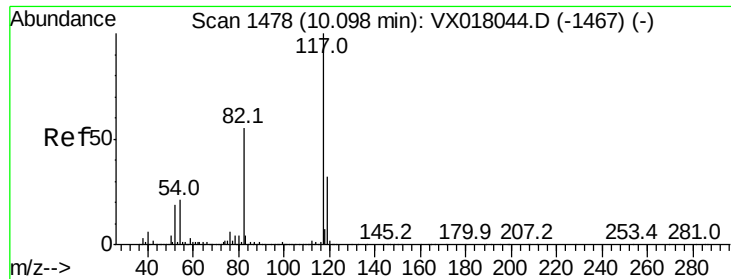
Tot Ion: 43 Resp: 122503
Ion Ratio Lower Upper
43 100
58 19.8 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.399 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion: 95 Resp: 332485
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.2
176 77.0 0.0 155.8

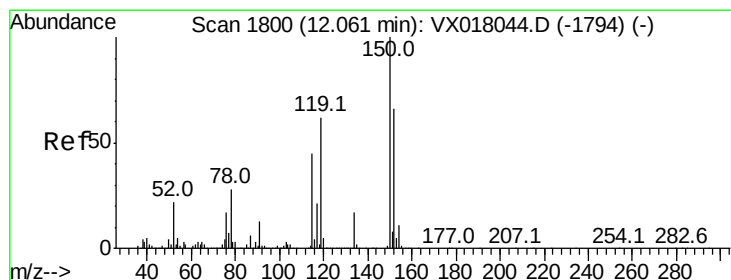
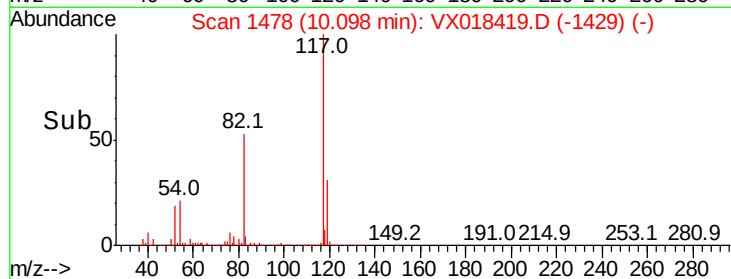
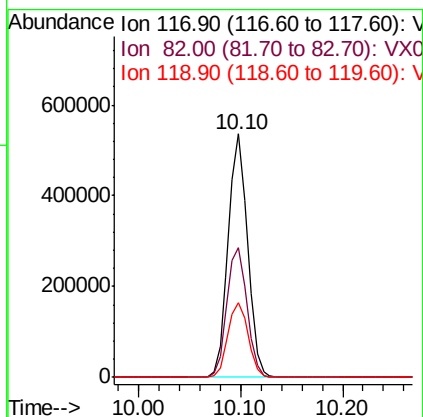
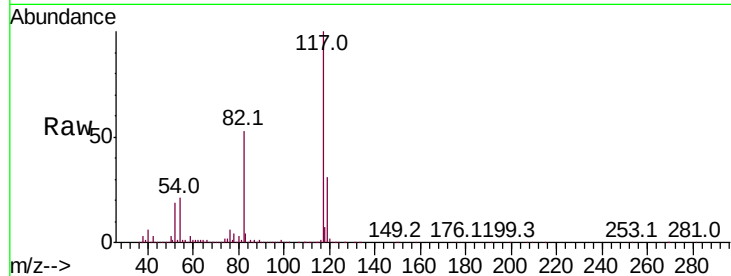




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

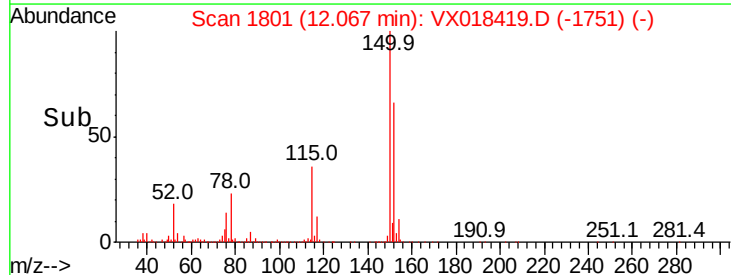
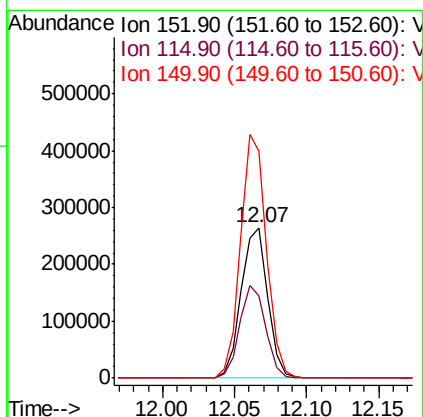
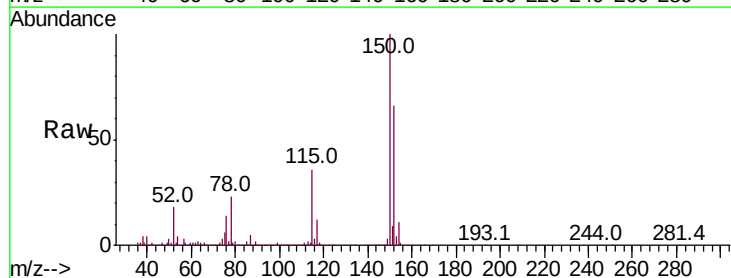
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

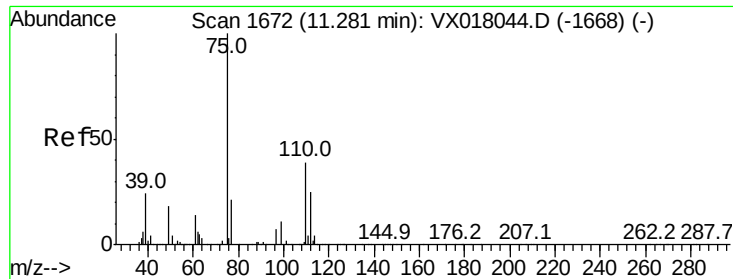
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.2
119	30.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018419.D
Acq: 15 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.5	124.5
150	158.4	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.892 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

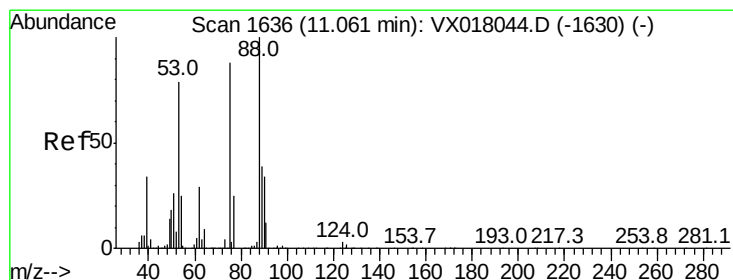
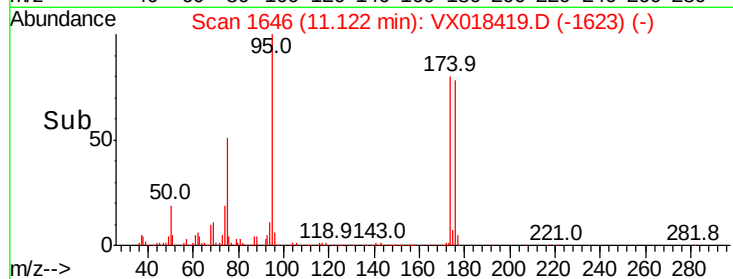
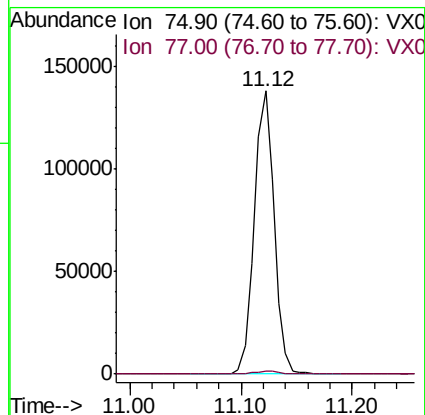
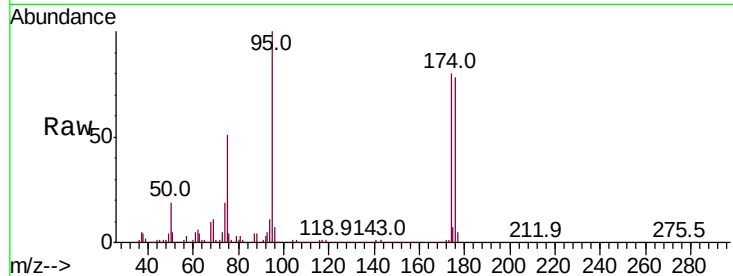
TR-04-091420

Tot Ion: 75 Resp: 171346

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.827 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018419.D

Acq: 15 Sep 2020 19:55

Tgt Ion: 75 Resp: 171346

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

