

Data File : VX017293.D
Acq On : 09 Jul 2020 05:51
Operator : JC/SP
Sample : L3187-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SU-02-070720

Quant Time: Jul 09 06:19:27 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	237716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217259	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	159778	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	5.47	113	140359	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
50) Toluene-d8	8.70	98	509709	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	11.12	95	204064	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

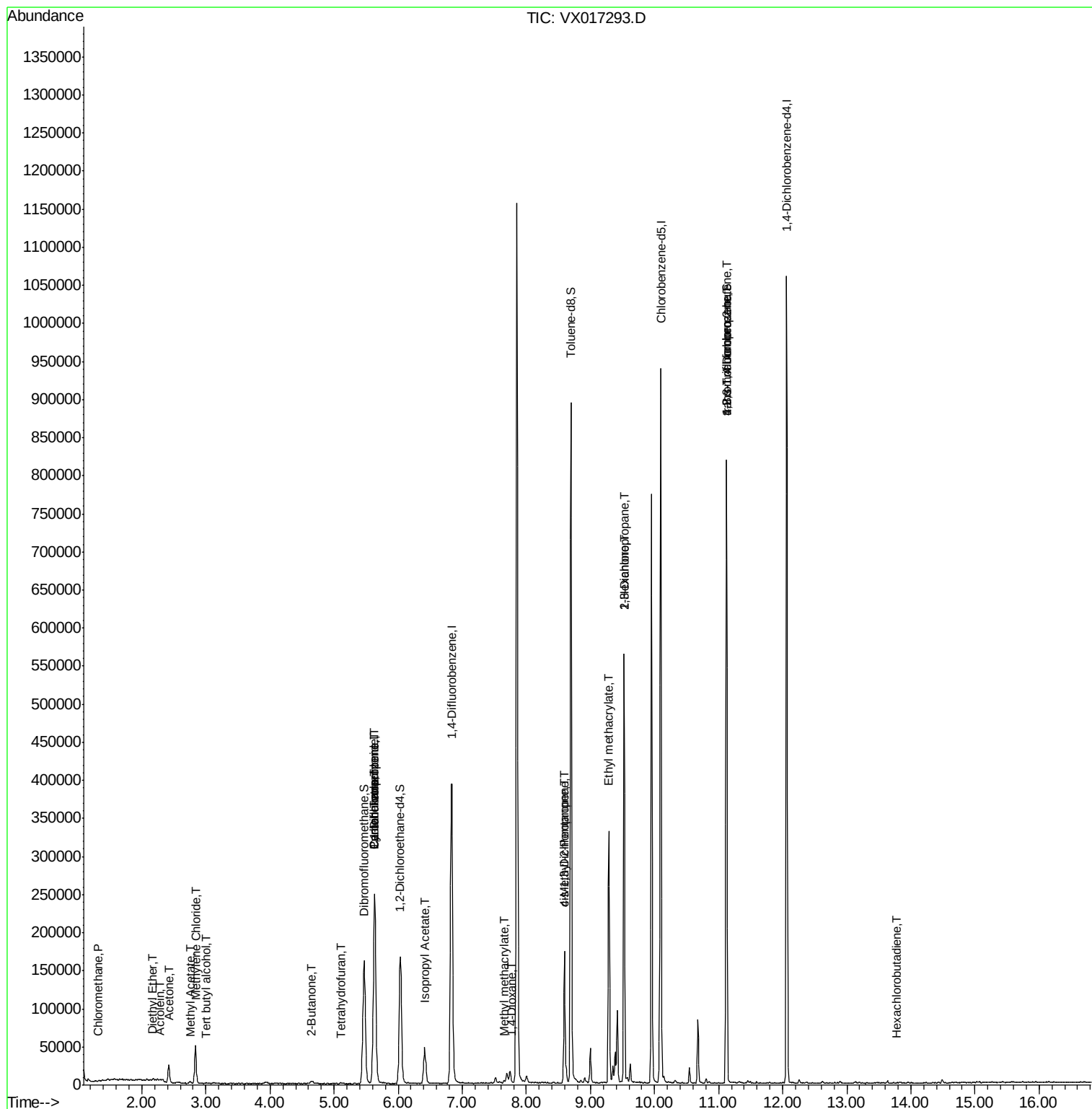
Target Compounds				Qvalue		
3) Chloromethane	1.31	50	610	0.219	ug/l #	70
8) Diethyl Ether	2.17	74	873	1.040	ug/l	89
11) Tert butyl alcohol	3.01	59	544	0.973	ug/l #	89
13) Acrolein	2.27	56	248	0.742	ug/l #	62
16) Acetone	2.42	43	23573	21.502	ug/l	97
18) Methyl Acetate	2.75	43	3560	1.244	ug/l	92
20) Methylene Chloride	2.84	84	22307	8.218	ug/l	99
25) 2-Butanone	4.64	43	3940	2.157	ug/l	92
29) Tetrahydrofuran	5.10	42	1199	0.993	ug/l #	41
31) Cyclohexane	5.64	56	5032	1.272	ug/l #	15
36) 1,1-Dichloropropene	5.62	75	17587	4.592	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23523	5.577	ug/l #	17
43) Isopropyl Acetate	6.42	43	62657	9.704	ug/l	99
44) Trichloroethene	6.95	130	24	Below Cal		3
48) Methyl methacrylate	7.65	41	3839	1.251	ug/l #	15
49) 1,4-Dioxane	7.78	88	26	0.374	ug/l #	24
51) 4-Methyl-2-Pentanone	8.59	43	61566	15.995	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	27047	5.624	ug/l #	62
56) Ethyl methacrylate	9.29	69	1550	0.379	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	4830	0.994	ug/l #	45
59) 2-Hexanone	9.52	43	63675	22.652	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	103861	24.310	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103861	62.955	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	383	Below Cal	#	25
94) Hexachlorobutadiene	13.77	225	31	0.862	ug/l #	1

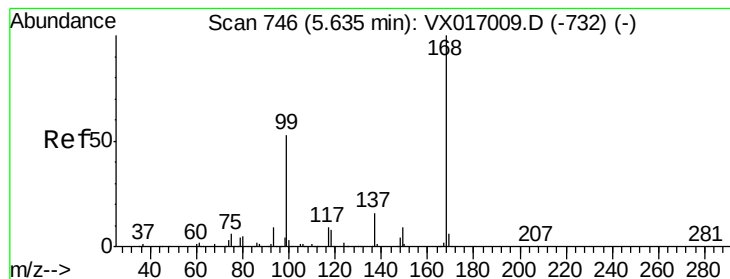
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

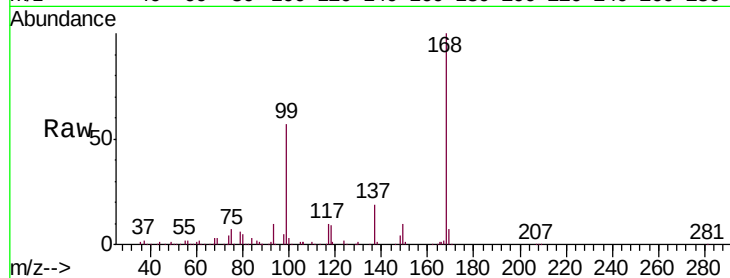
SU-02-070720

Tgt Ion:168 Resp: 237716

Ion Ratio Lower Upper

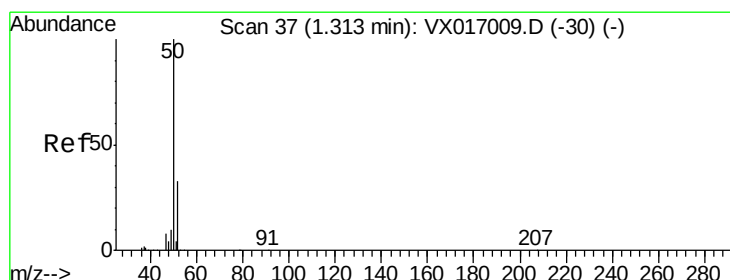
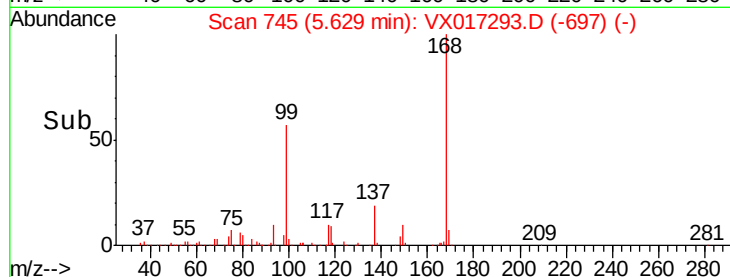
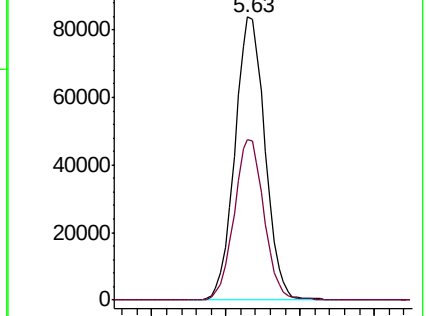
168 100

99 56.6 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: 0.219 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017293.D

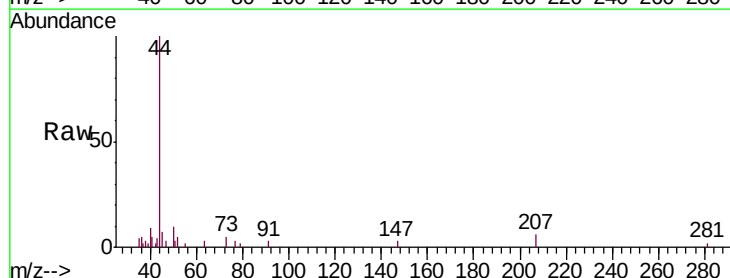
Acq: 09 Jul 2020 05:51

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

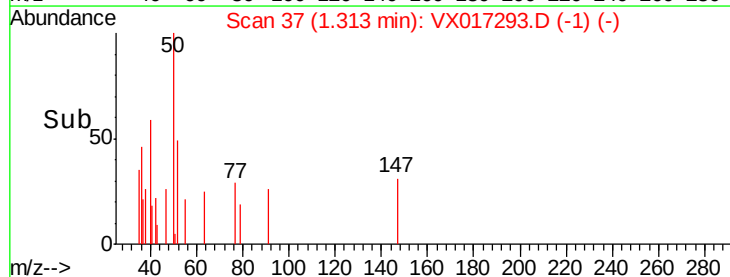
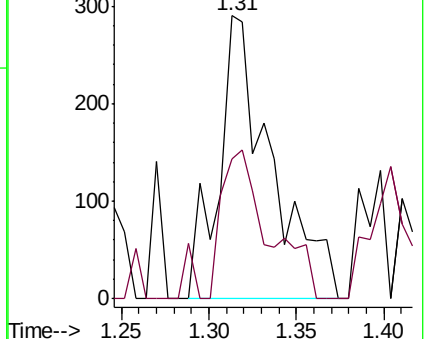
50 100

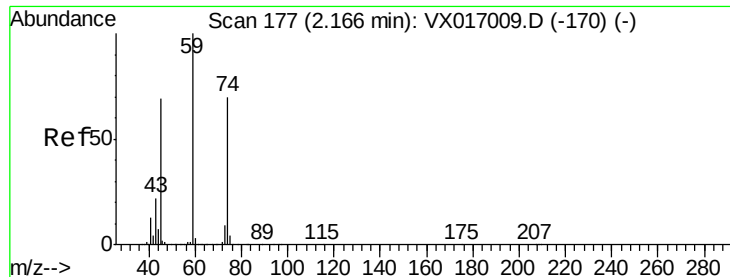
52 49.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 1.040 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

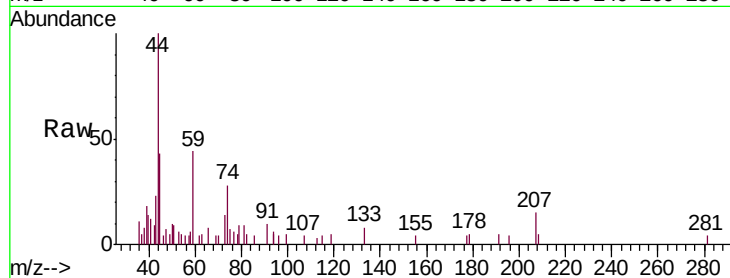
SU-02-070720

Tgt Ion: 74 Resp: 873

Ion Ratio Lower Upper

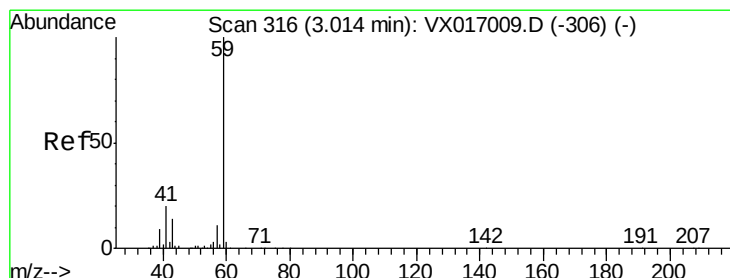
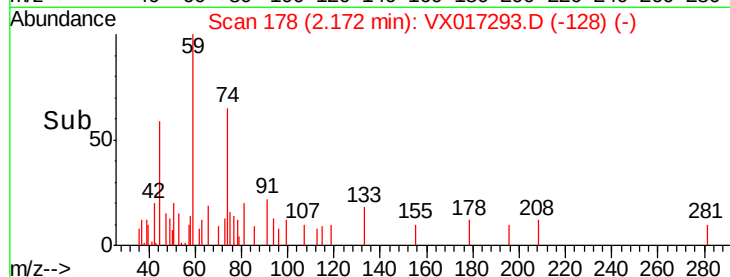
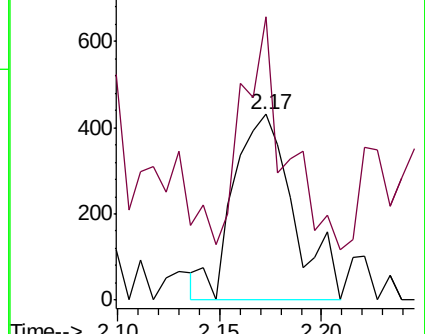
74 100

45 88.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.973 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017293.D

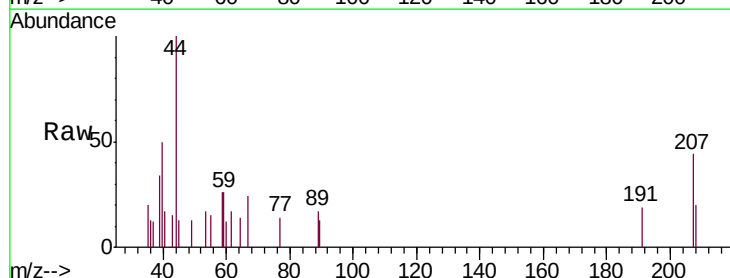
Acq: 09 Jul 2020 05:51

Tgt Ion: 59 Resp: 544

Ion Ratio Lower Upper

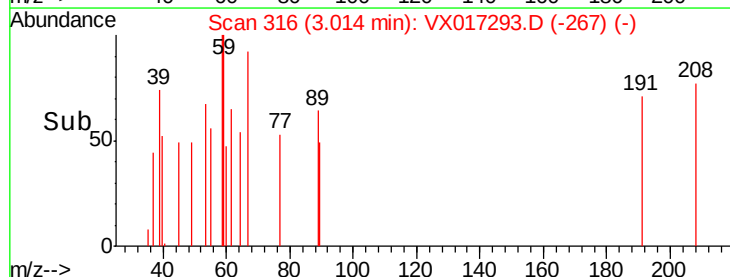
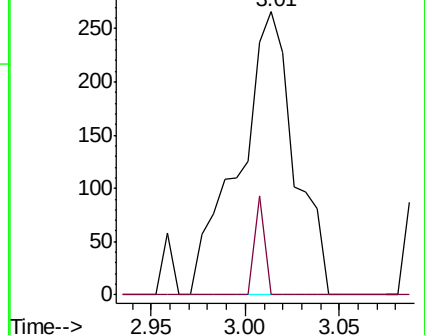
59 100

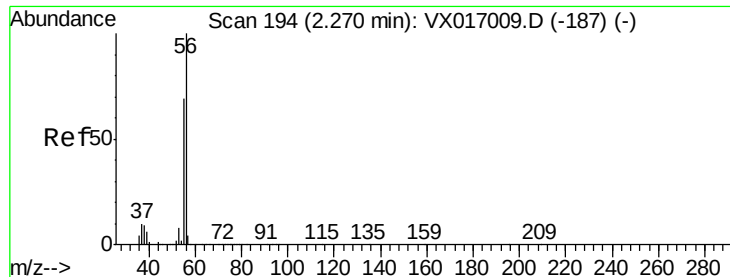
57 6.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.742 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampled :

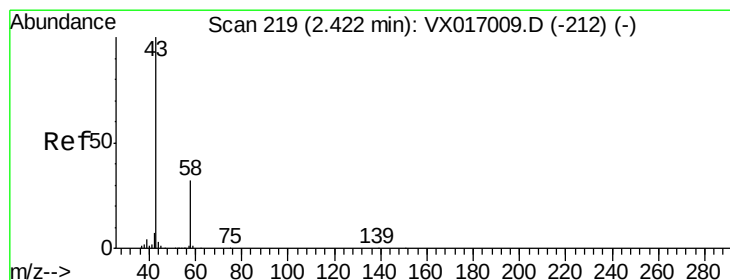
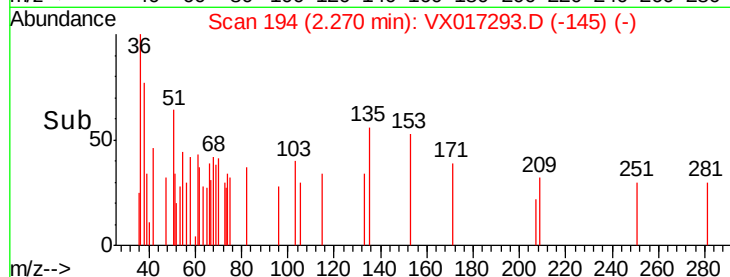
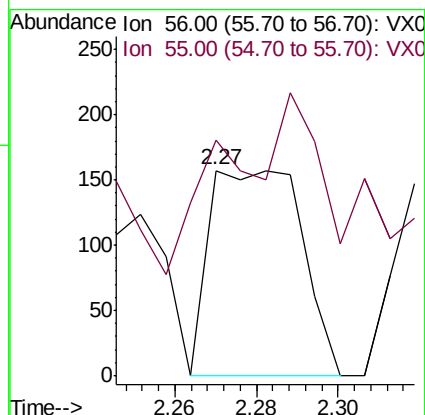
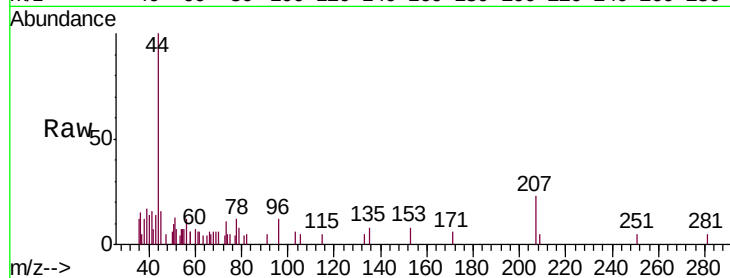
SU-02-070720

Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 100.4 55.7 83.5#



#16

Acetone

Concen: 21.502 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017293.D

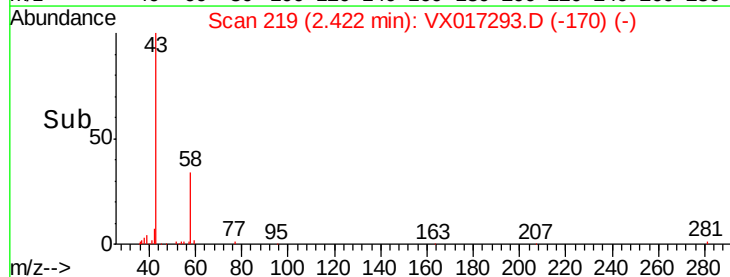
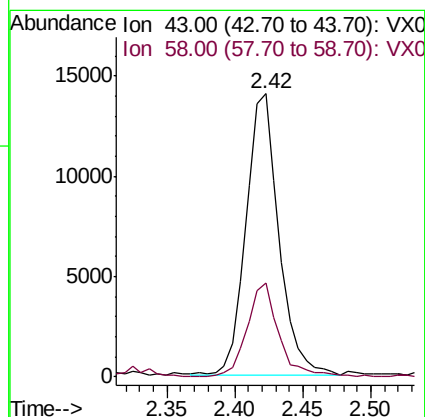
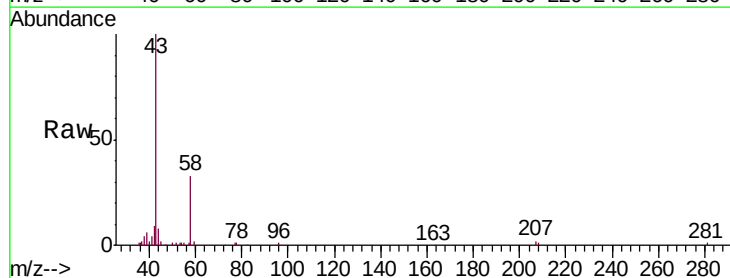
Acq: 09 Jul 2020 05:51

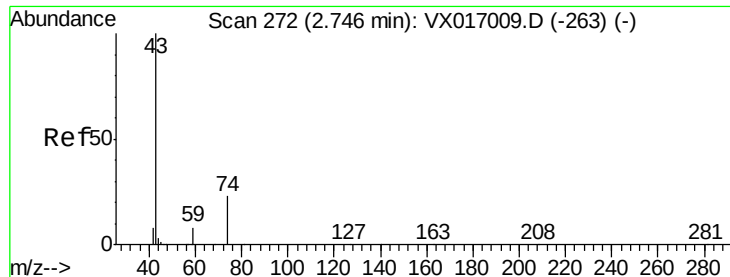
Tgt Ion: 43 Resp: 23573

Ion Ratio Lower Upper

43 100

58 33.7 25.7 38.5

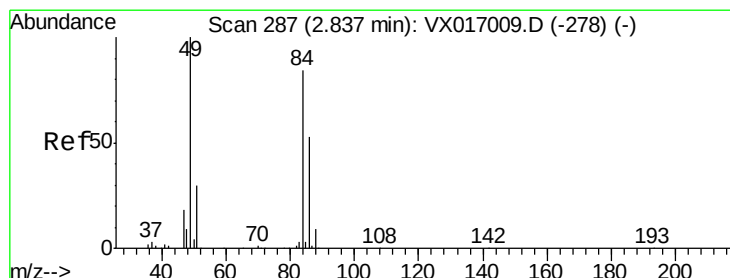
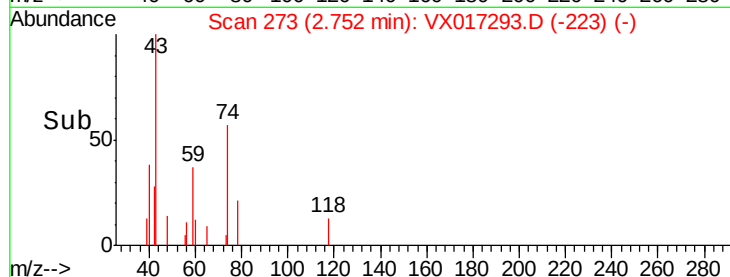
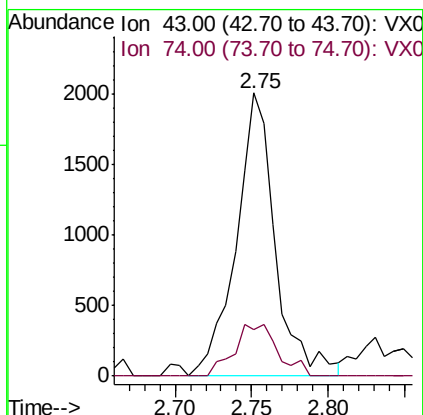
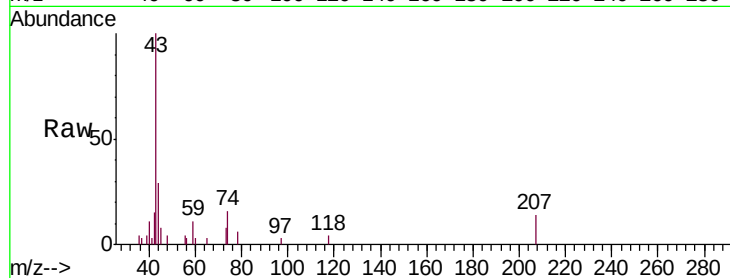




#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

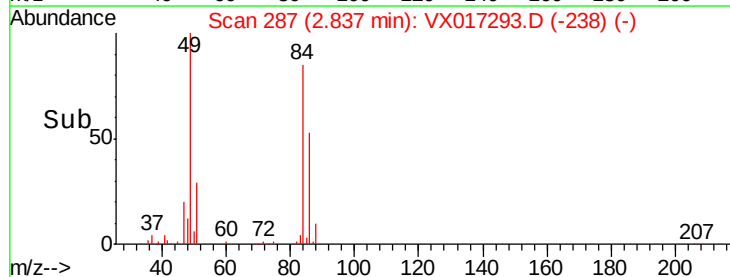
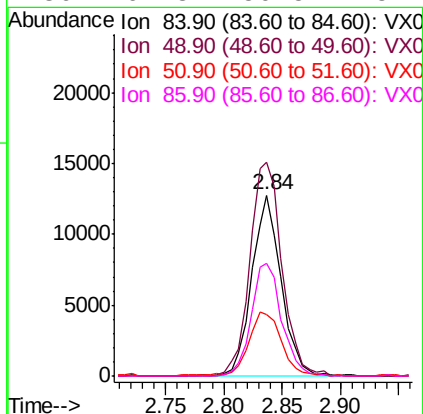
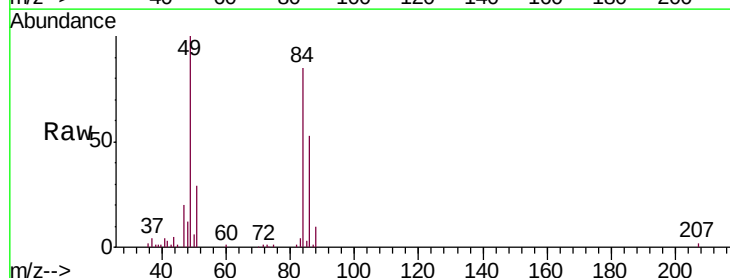
Instrument :
MSVOA_X
ClientSampleId :
SU-02-070720

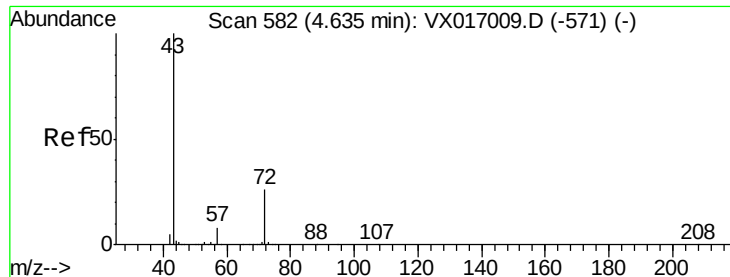
Tgt Ion: 43 Resp: 3560
Ion Ratio Lower Upper
43 100
74 20.4 19.3 28.9



#20
Methylene Chloride
Concen: 8.218 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Tgt Ion: 84 Resp: 22307
Ion Ratio Lower Upper
84 100
49 118.3 94.7 142.1
51 33.9 28.6 42.8
86 62.3 50.5 75.7





#25

2-Butanone

Concen: 2.157 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampled :

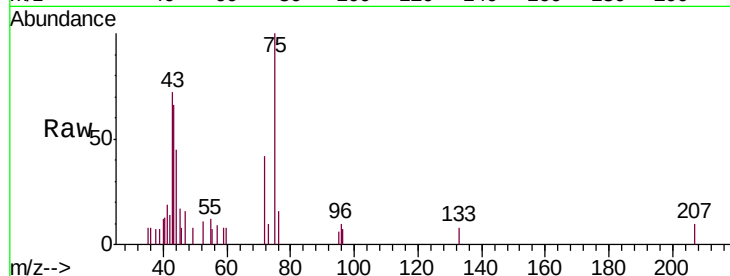
SU-02-070720

Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

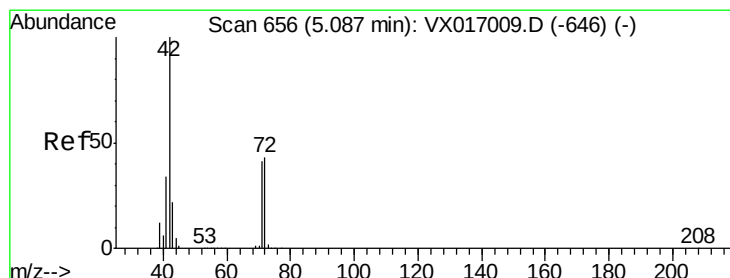
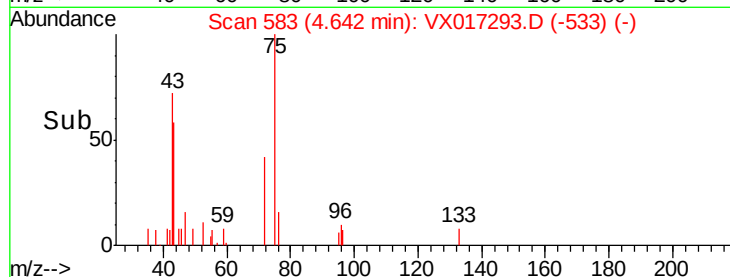
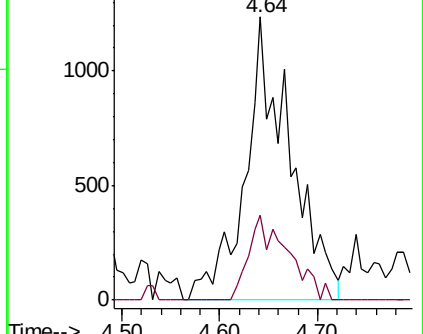
43 100

72 30.2 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: 0.993 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

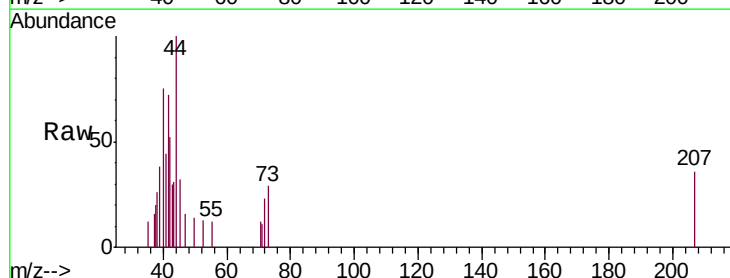
Tgt Ion: 42 Resp: 1199

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

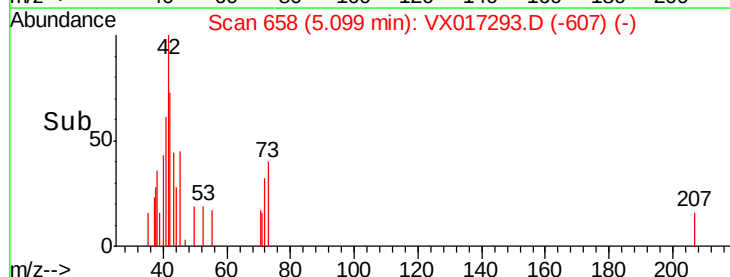
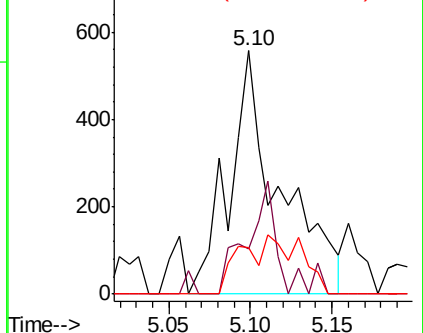
71 10.7 33.1 49.7#

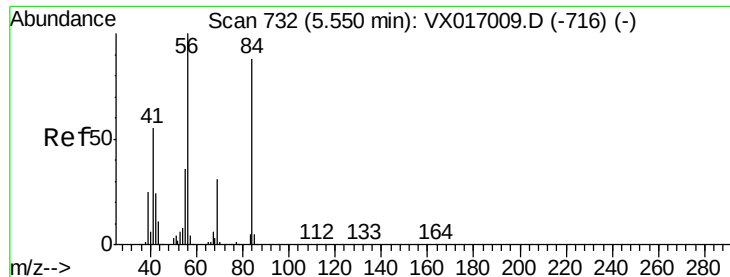


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

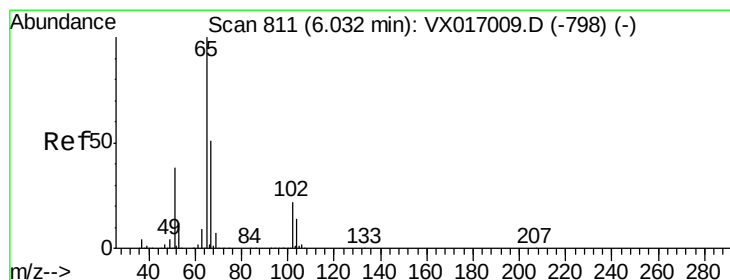
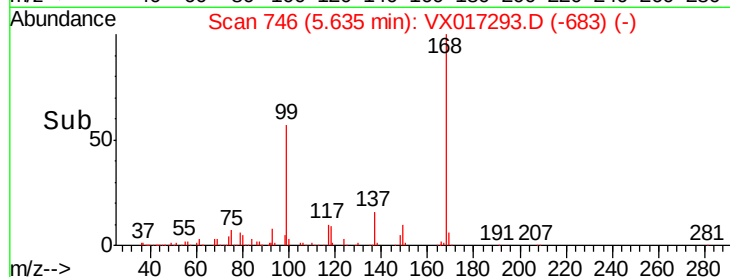
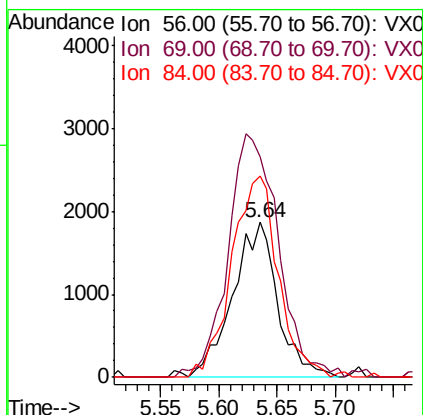
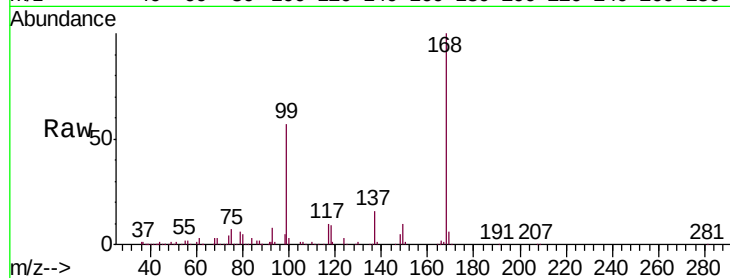




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

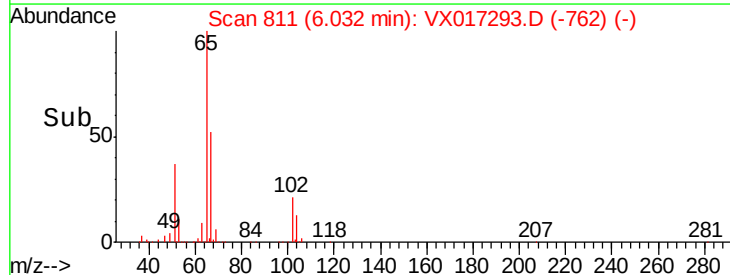
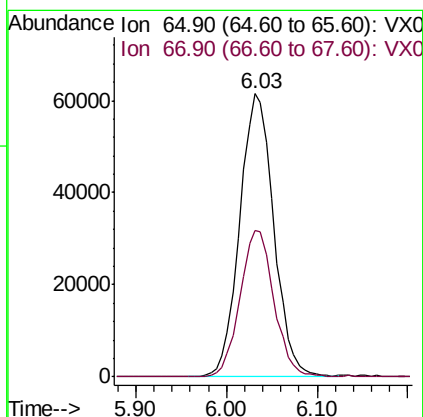
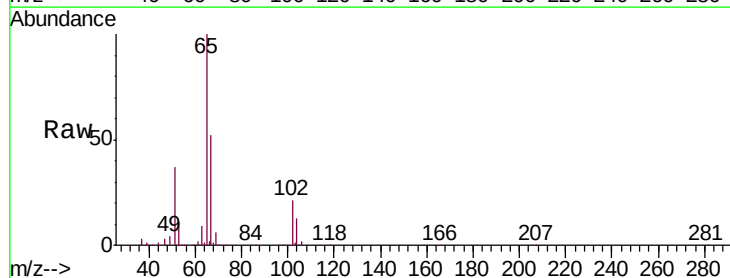
Instrument :
MSVOA_X
ClientSampleId :
SU-02-070720

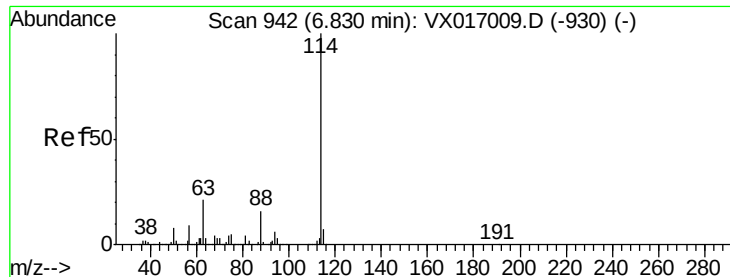
Tgt Ion: 56 Resp: 5032
Ion Ratio Lower Upper
56 100
69 137.1 25.0 37.4#
84 129.4 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 54.521 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Tgt Ion: 65 Resp: 159778
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8

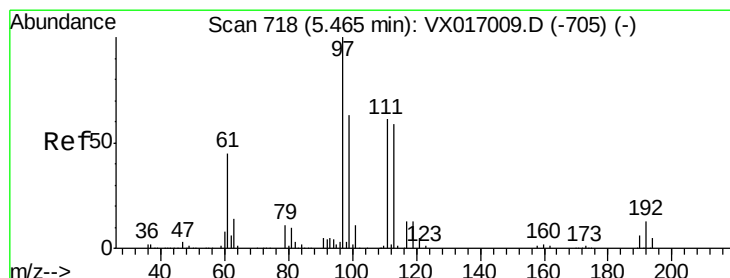
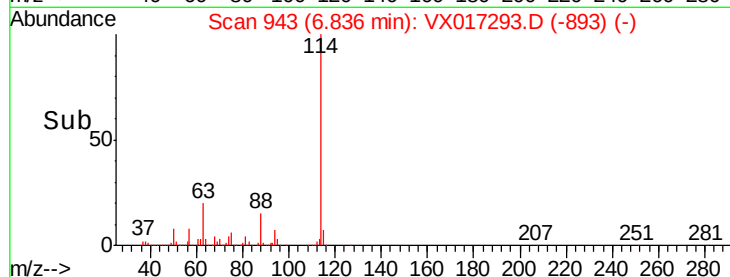
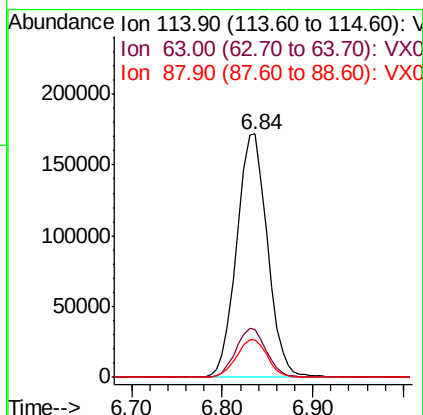
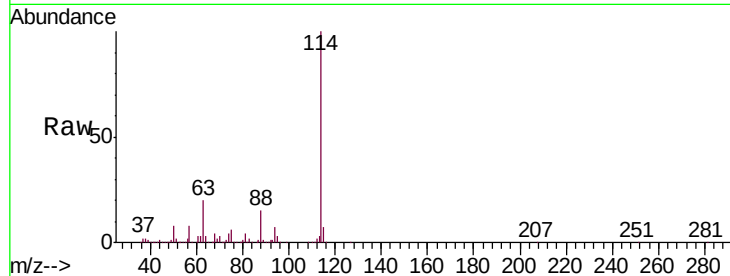




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017293.D
 Acq: 09 Jul 2020 05:51

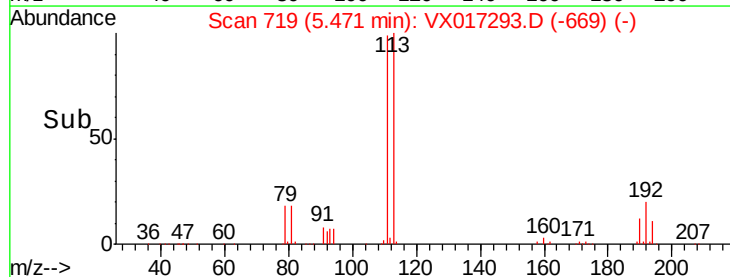
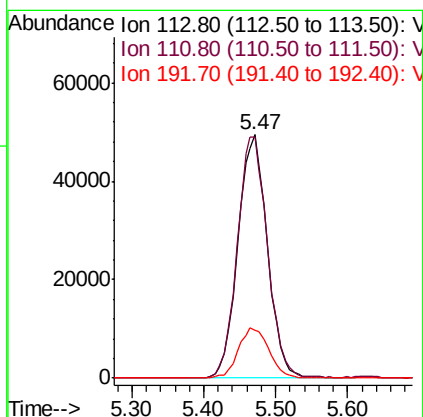
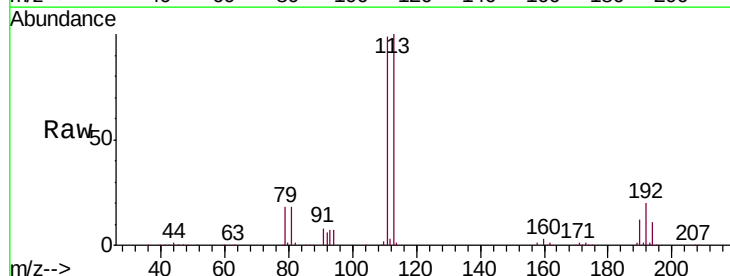
Instrument :
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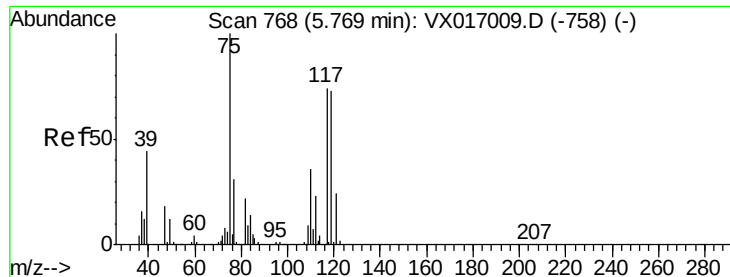
Tgt Ion:114 Resp: 405214
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.1 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 54.758 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017293.D
 Acq: 09 Jul 2020 05:51

Tgt Ion:113 Resp: 140359
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.9 122.9
 192 21.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

SU-02-070720

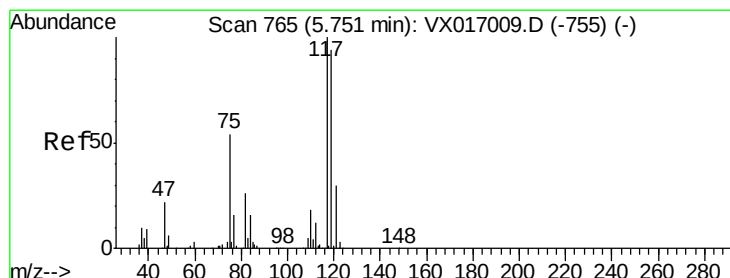
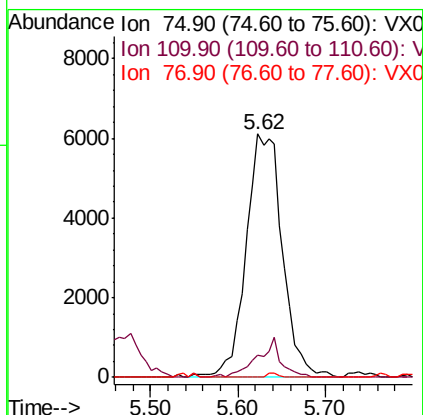
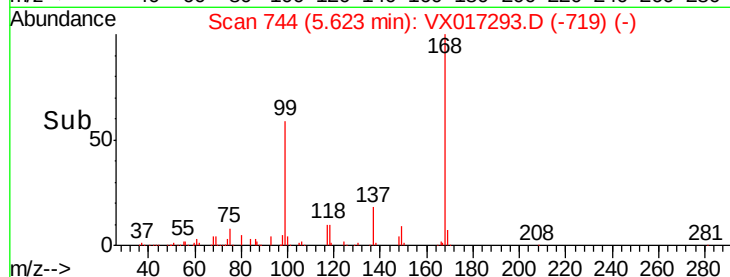
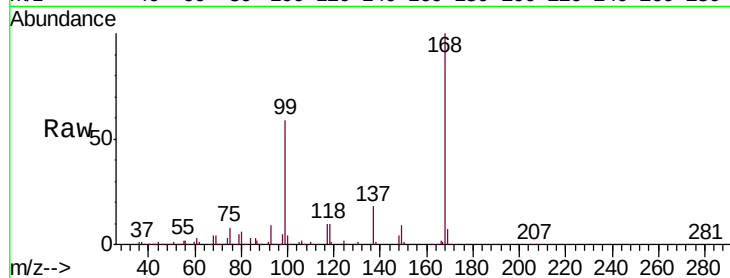
Tgt Ion: 75 Resp: 17587

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.6 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

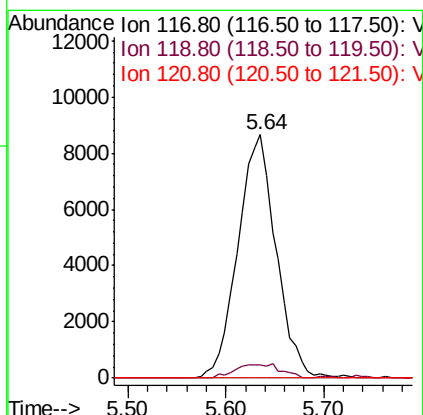
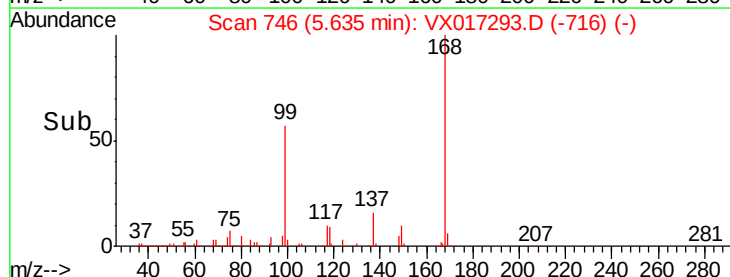
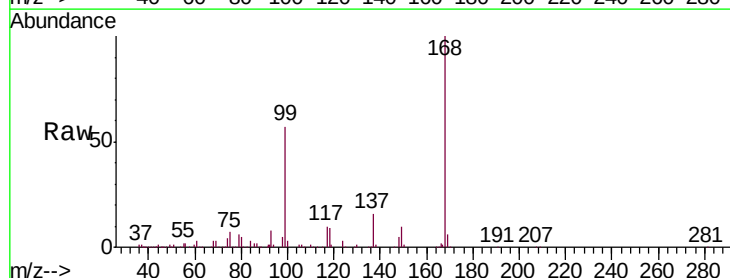
Tgt Ion: 117 Resp: 23523

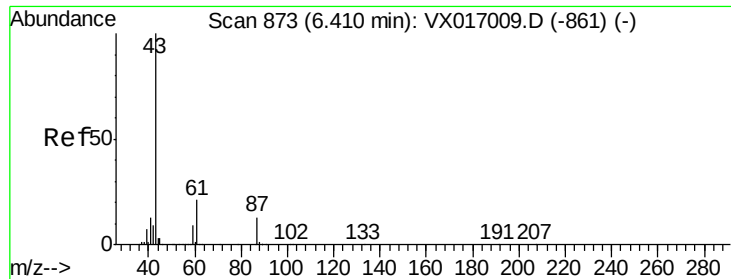
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 9.704 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

SU-02-070720

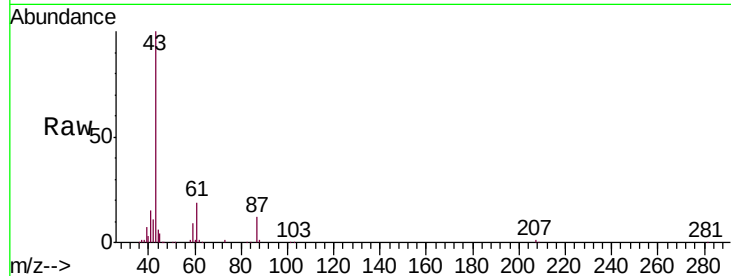
Tgt Ion: 43 Resp: 62657

Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.2

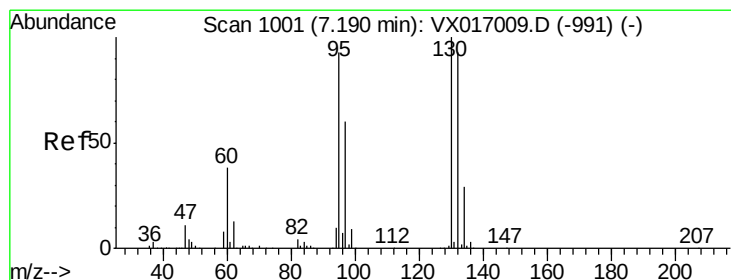
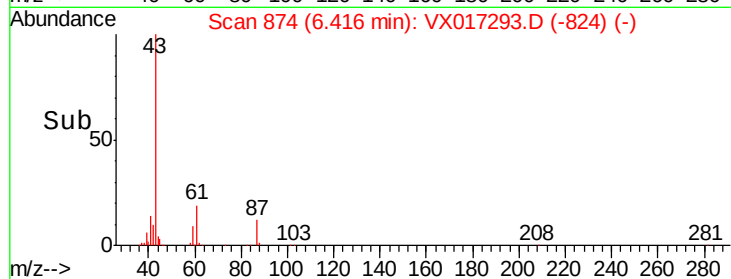
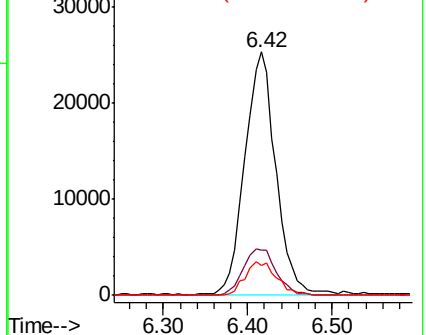
87 13.9 10.7 16.1



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



#44

Trichloroethene

Concen: Below Cal

RT: 6.95 min Scan# 961

Delta R.T. -0.24 min

Lab File: VX017293.D

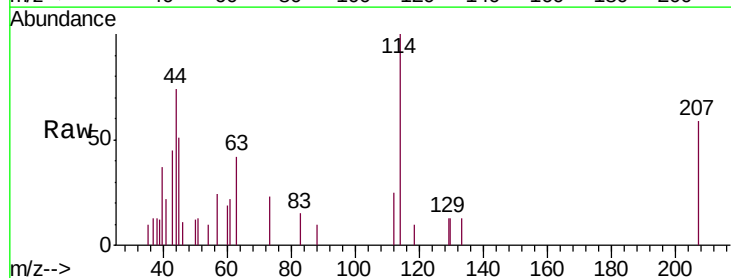
Acq: 09 Jul 2020 05:51

Tgt Ion: 130 Resp: 24

Ion Ratio Lower Upper

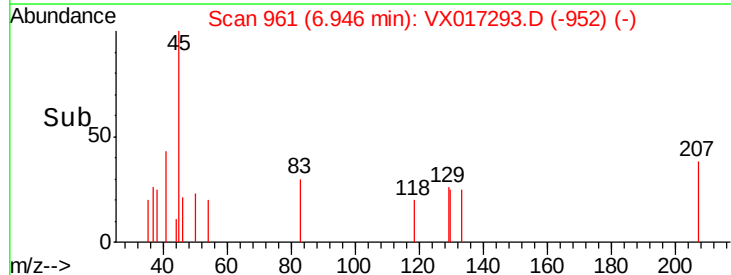
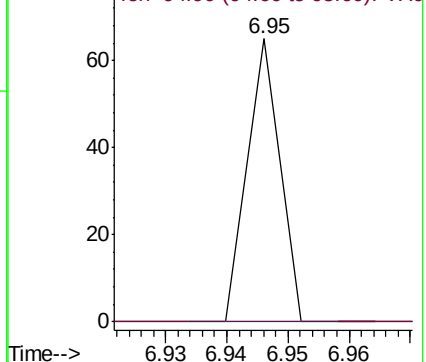
130 100

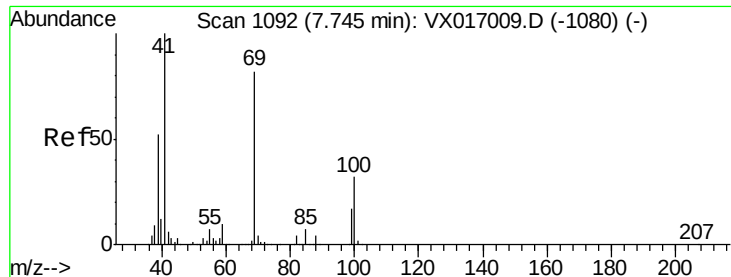
95 0.0 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

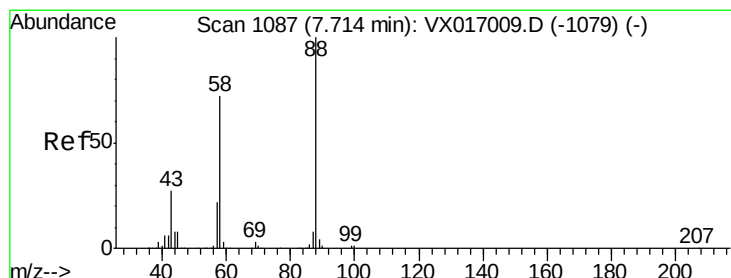
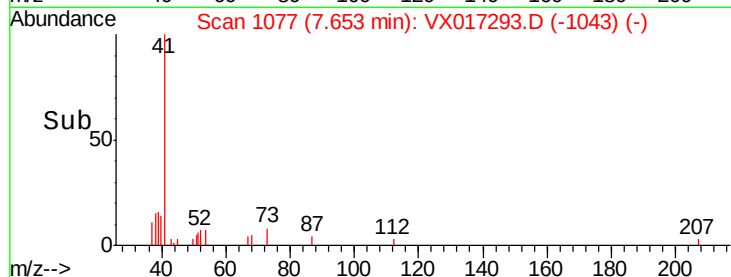
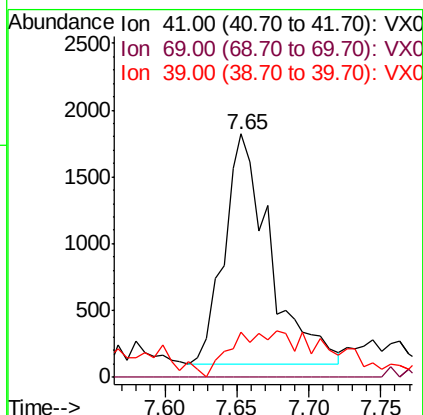
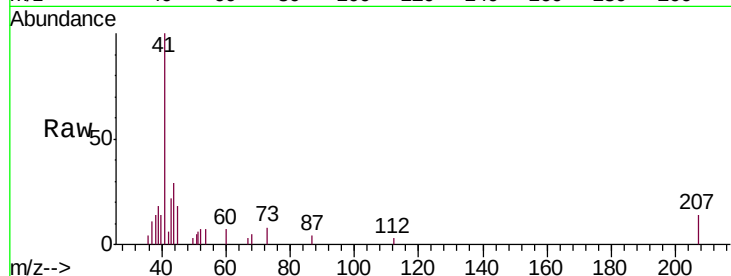




#48
Methyl methacrylate
Concen: 1.251 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

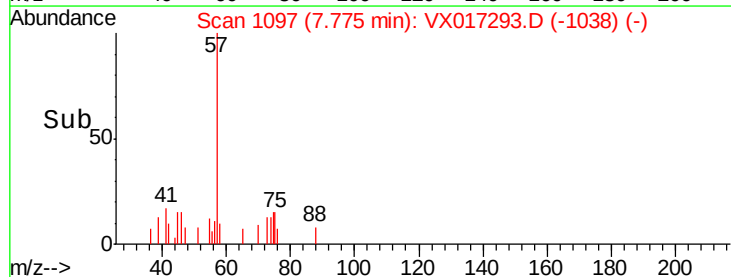
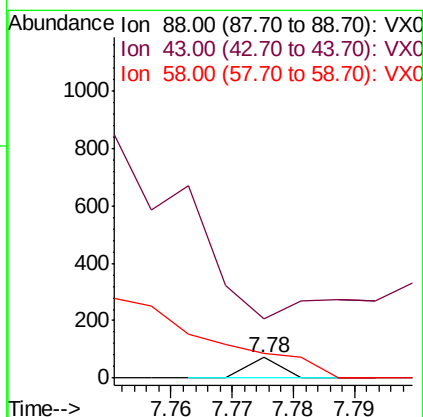
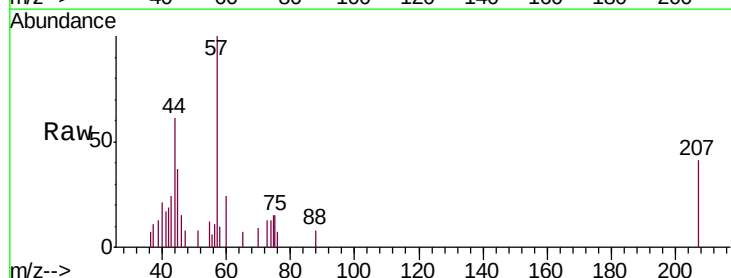
Instrument :
MSVOA_X
ClientSampleId :
SU-02-070720

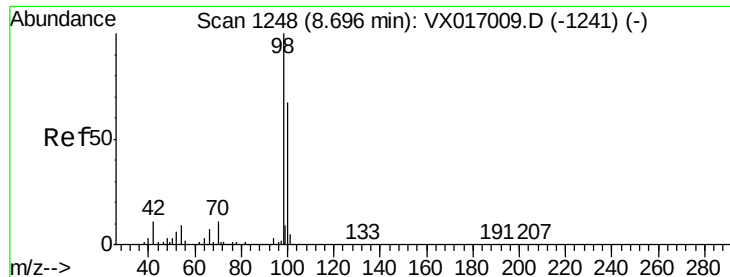
Tgt Ion: 41 Resp: 3839
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 0.0 42.5 63.7#



#49
1,4-Dioxane
Concen: 0.374 ug/l
RT: 7.78 min Scan# 1097
Delta R.T. 0.06 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 0.0 54.8 82.2#





#50

Toluene-d8

Concen: 53.776 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

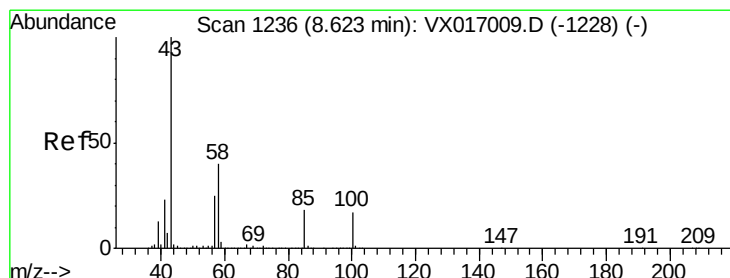
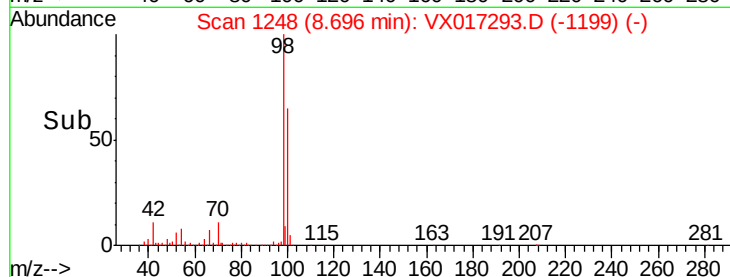
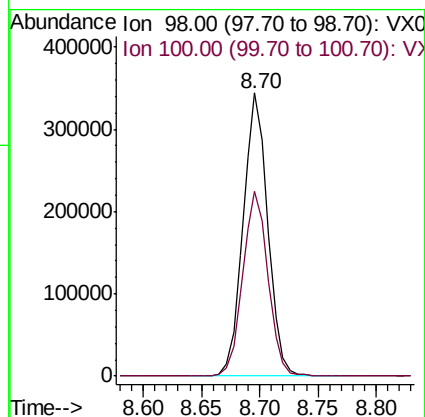
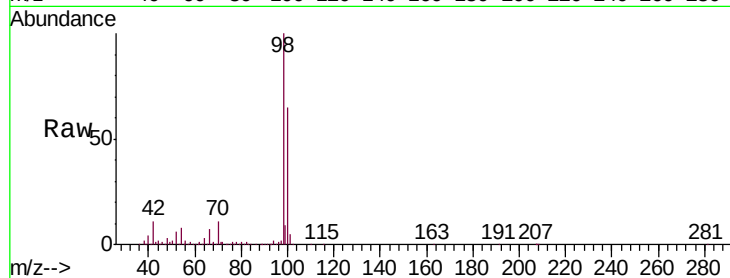
SU-02-070720

Tgt Ion: 98 Resp: 509709

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 15.995 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017293.D

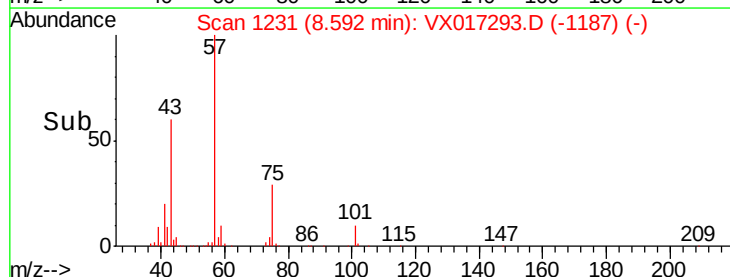
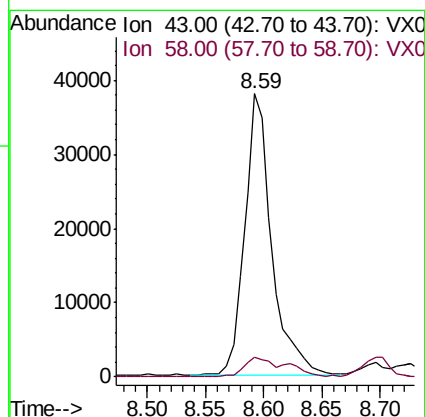
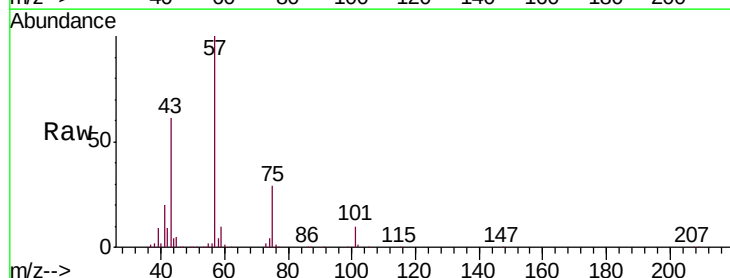
Acq: 09 Jul 2020 05:51

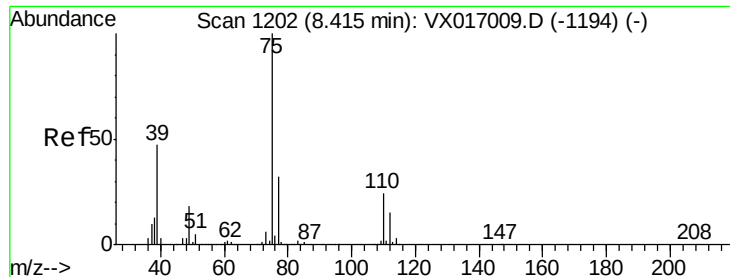
Tgt Ion: 43 Resp: 61566

Ion Ratio Lower Upper

43 100

58 6.9 31.9 47.9#





#54

cis-1,3-Dichloropropene

Concen: 5.624 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

SU-02-070720

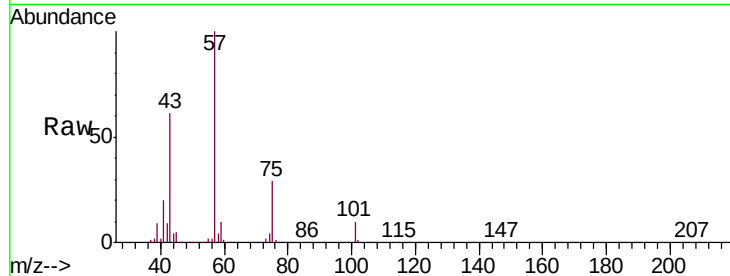
Tgt Ion: 75 Resp: 27047

Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

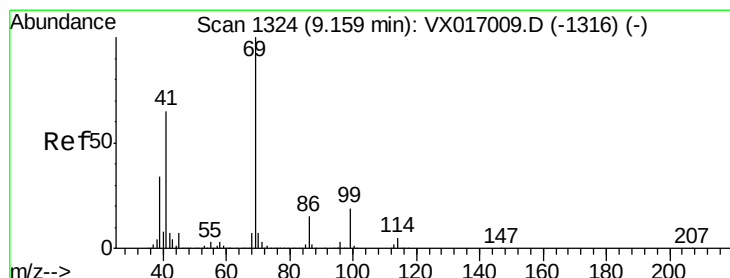
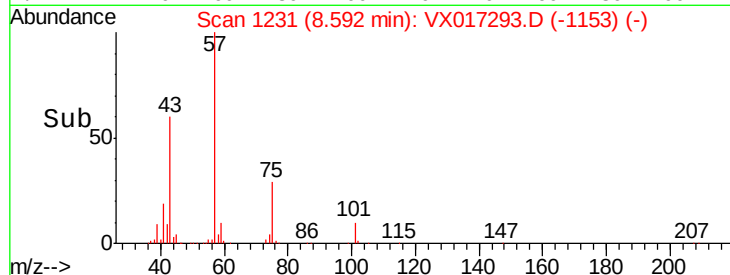
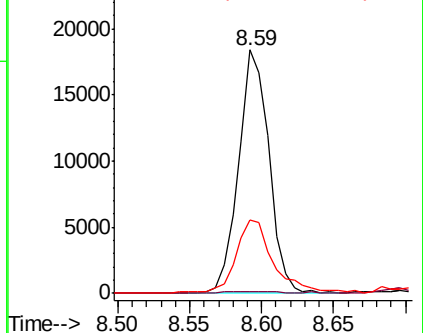
39 29.3 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Ethyl methacrylate

Concen: 0.379 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

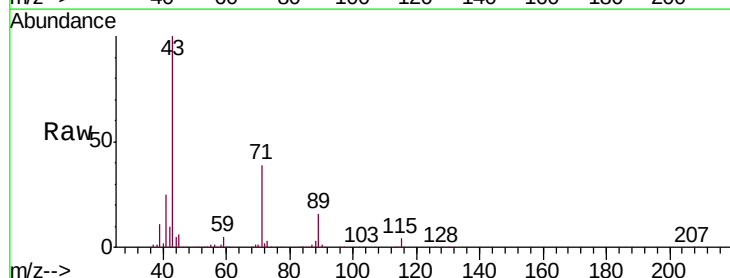
Tgt Ion: 69 Resp: 1550

Ion Ratio Lower Upper

69 100

41 3047.3 53.6 80.4#

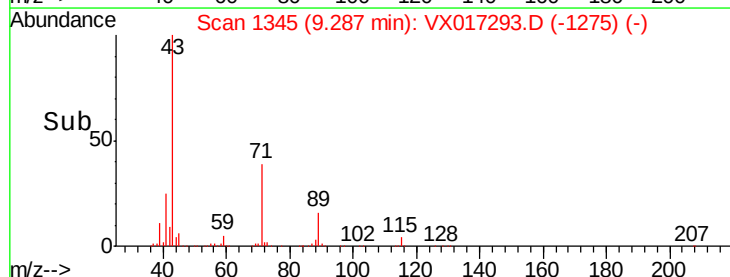
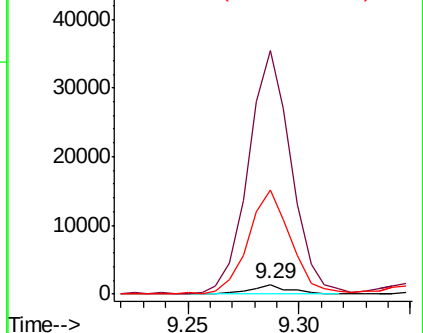
39 1289.9 28.2 42.2#

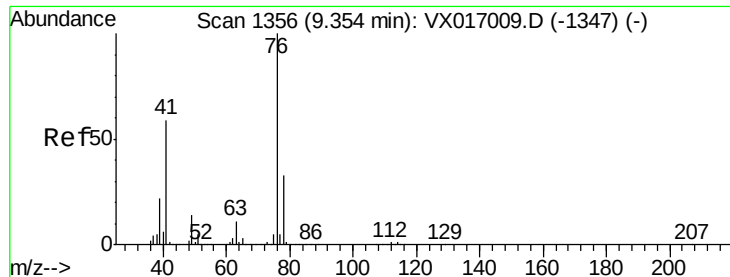


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 0.994 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

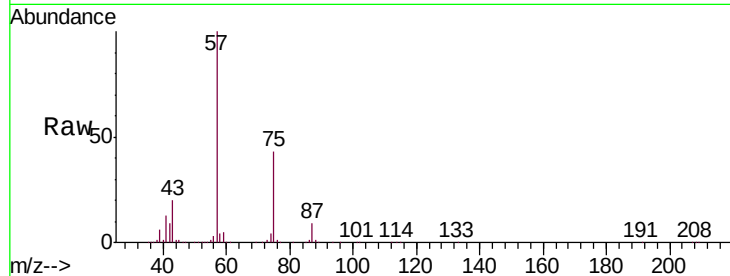
SU-02-070720

Tgt Ion: 76 Resp: 4830

Ion Ratio Lower Upper

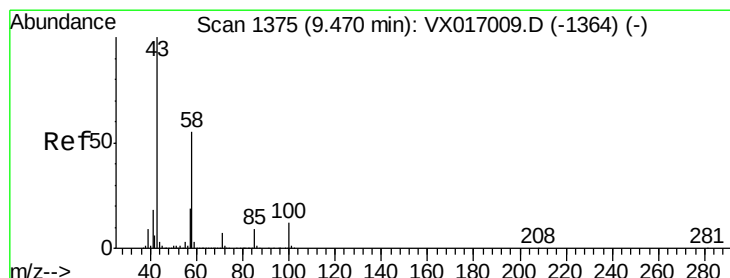
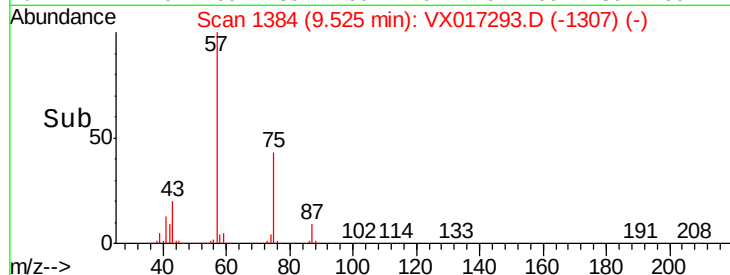
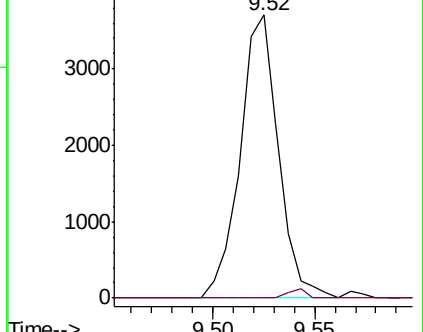
76 100

78 1.5 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: 22.652 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017293.D

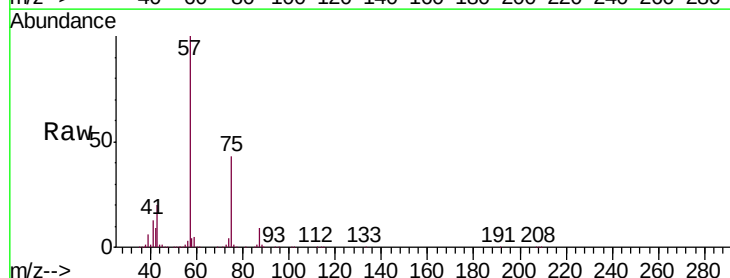
Acq: 09 Jul 2020 05:51

Tgt Ion: 43 Resp: 63675

Ion Ratio Lower Upper

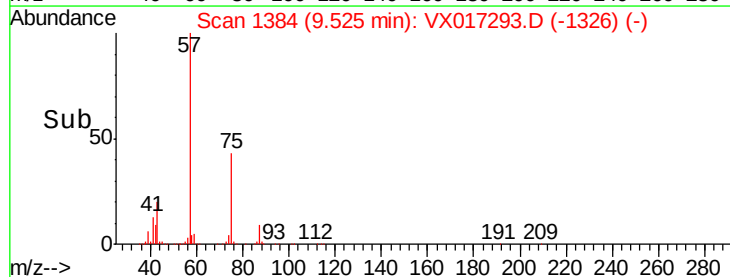
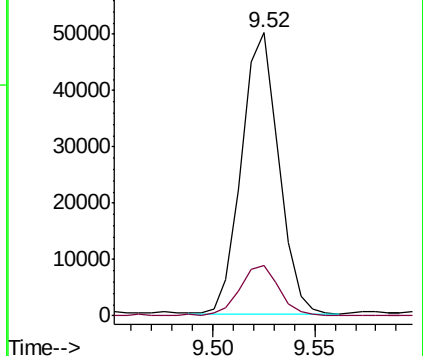
43 100

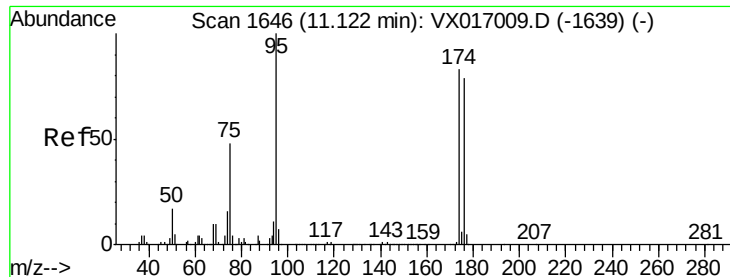
58 19.3 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

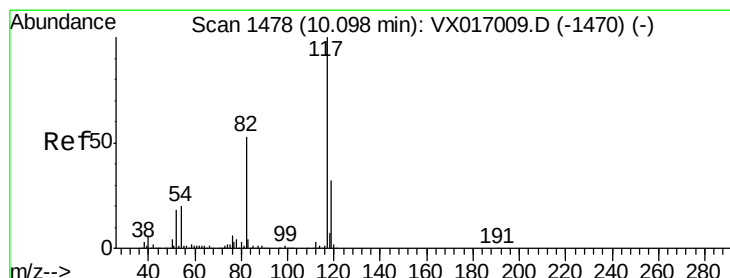
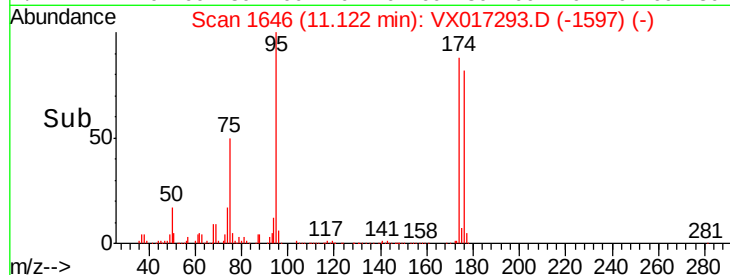
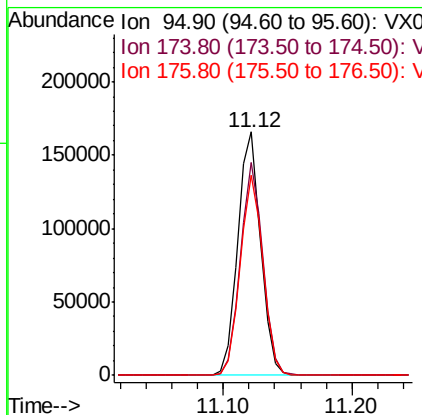
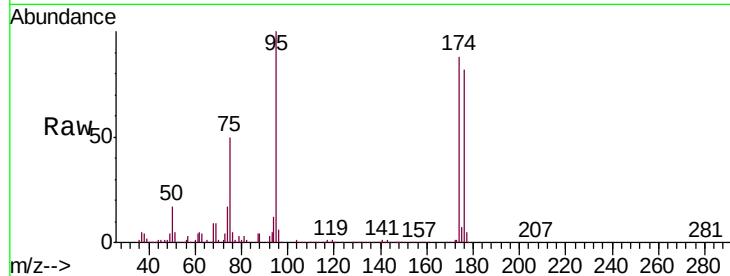




#62
4-Bromofluorobenzene
Concen: 55.075 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

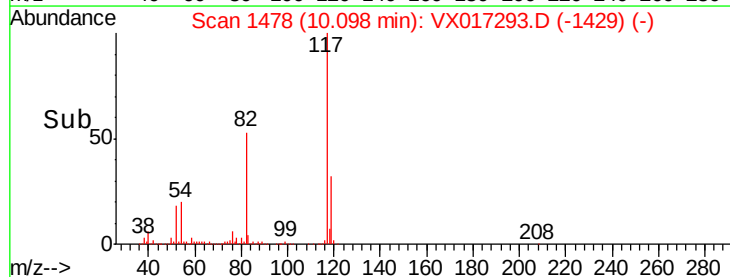
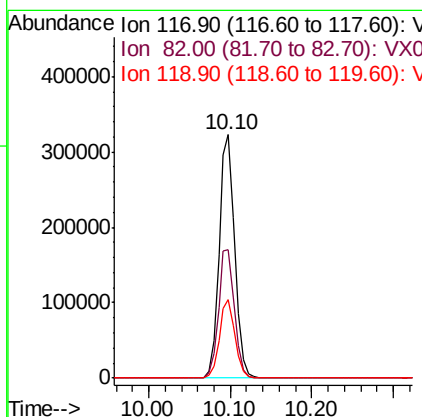
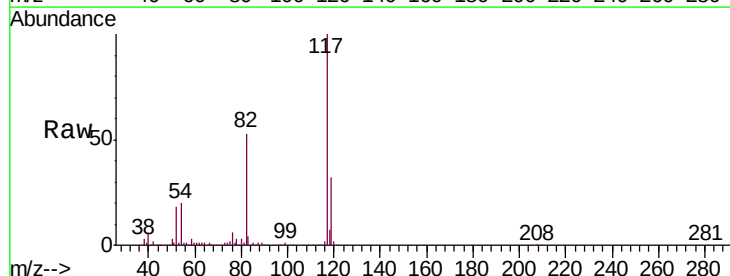
Instrument :
MSVOA_X
ClientSampleId :
SU-02-070720

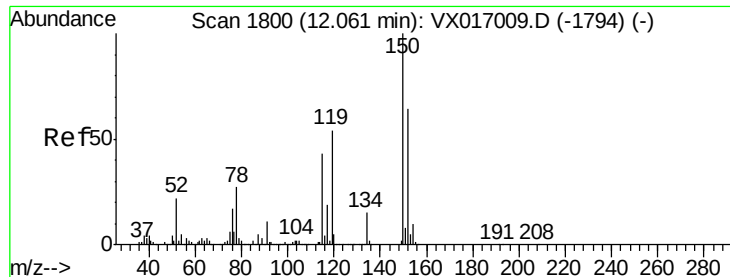
Tgt Ion: 95 Resp: 204064
Ion Ratio Lower Upper
95 100
174 85.8 0.0 164.0
176 81.6 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Tgt Ion: 117 Resp: 431814
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017293.D

Acq: 09 Jul 2020 05:51

Instrument :

MSVOA_X

ClientSampleId :

SU-02-070720

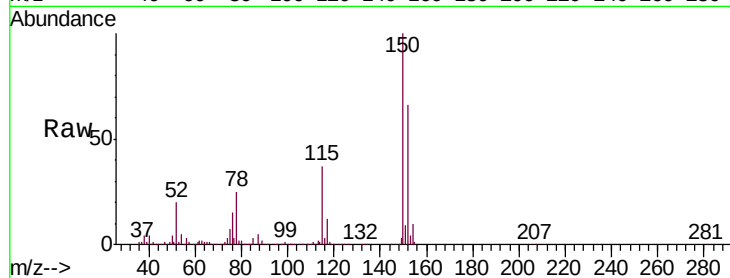
Tgt Ion: 152 Resp: 217259

Ion Ratio Lower Upper

152 100

115 57.4 40.9 122.7

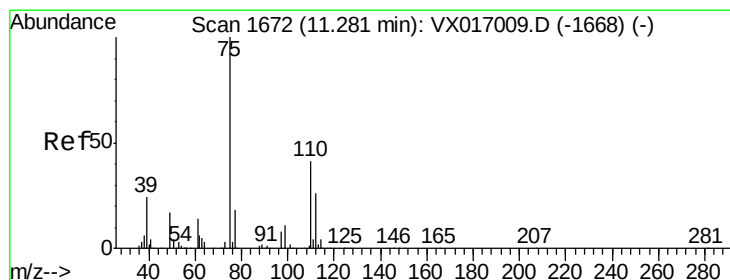
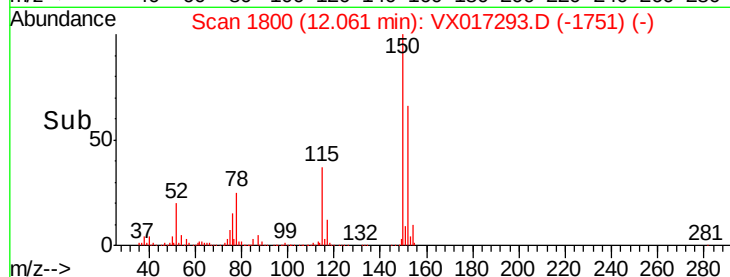
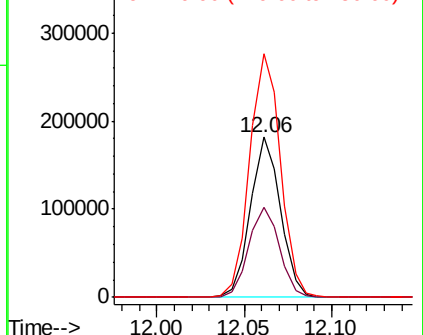
150 156.1 0.0 351.6



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: 24.310 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017293.D

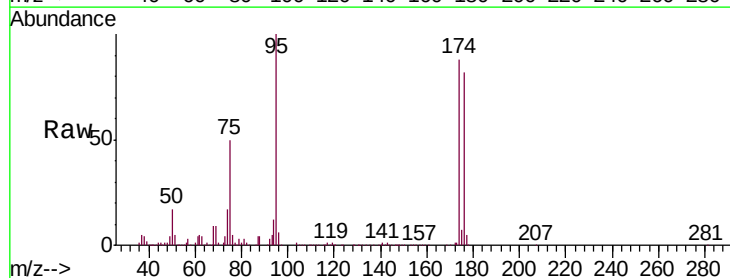
Acq: 09 Jul 2020 05:51

Tgt Ion: 75 Resp: 103861

Ion Ratio Lower Upper

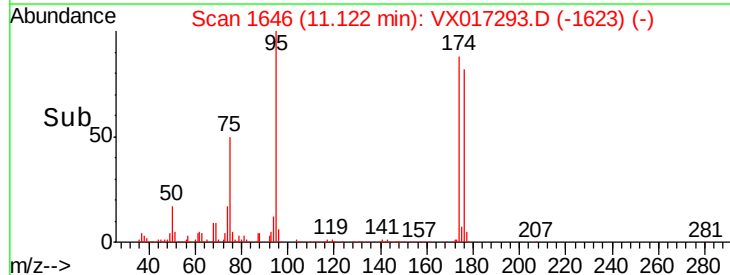
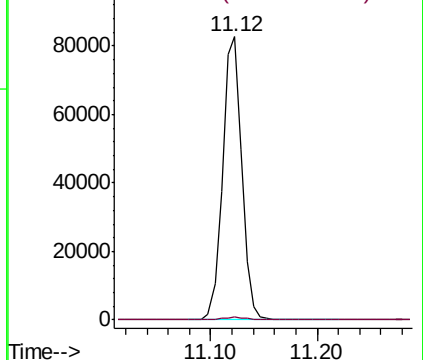
75 100

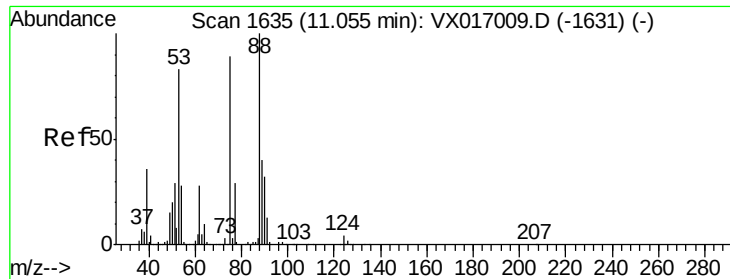
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

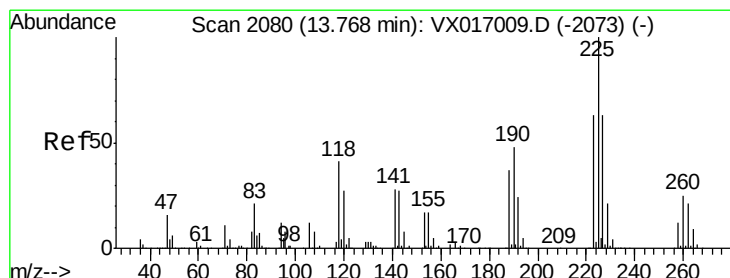
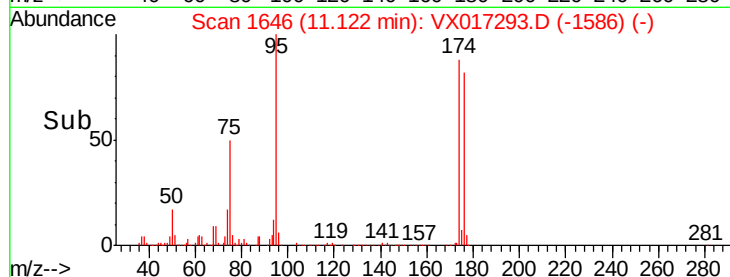
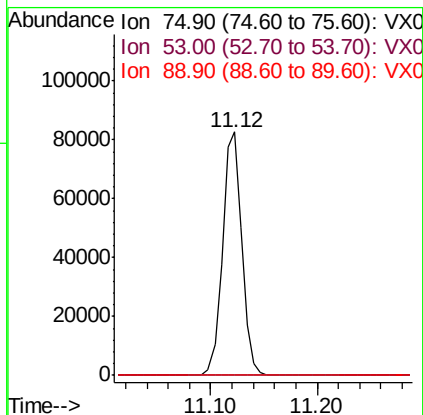
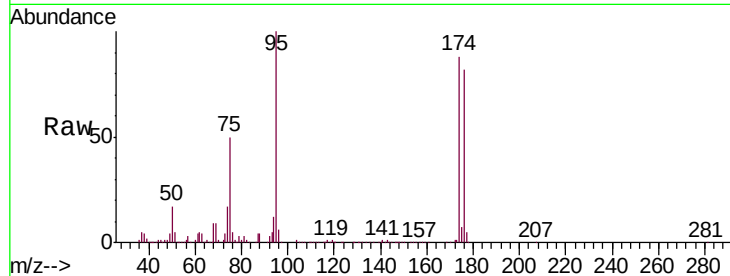




#81
trans-1,4-Dichloro-2-butene
Concen: 62.955 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Instrument :
MSVOA_X
ClientSampled :
SU-02-070720

Tgt Ion: 75 Resp: 103861
Ion Ratio Lower Upper
75 100
53 0.2 72.4 108.6#
89 0.1 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.862 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017293.D
Acq: 09 Jul 2020 05:51

Tgt Ion: 225 Resp: 31
Ion Ratio Lower Upper
225 100
223 203.2 32.5 97.5#
227 0.0 33.1 99.2#

