

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\
 Data File : VX017576.D
 Acq On : 25 Jul 2020 07:16
 Operator : JC/SP
 Sample : PB130430ZHE#12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:07:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	418416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	721222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	821541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	432739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	329663	61.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.68%	
35) Dibromofluoromethane	5.47	113	269504	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	8.70	98	1068808	61.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.84%	
62) 4-Bromofluorobenzene	11.12	95	423578	60.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.64%	

Target Compounds

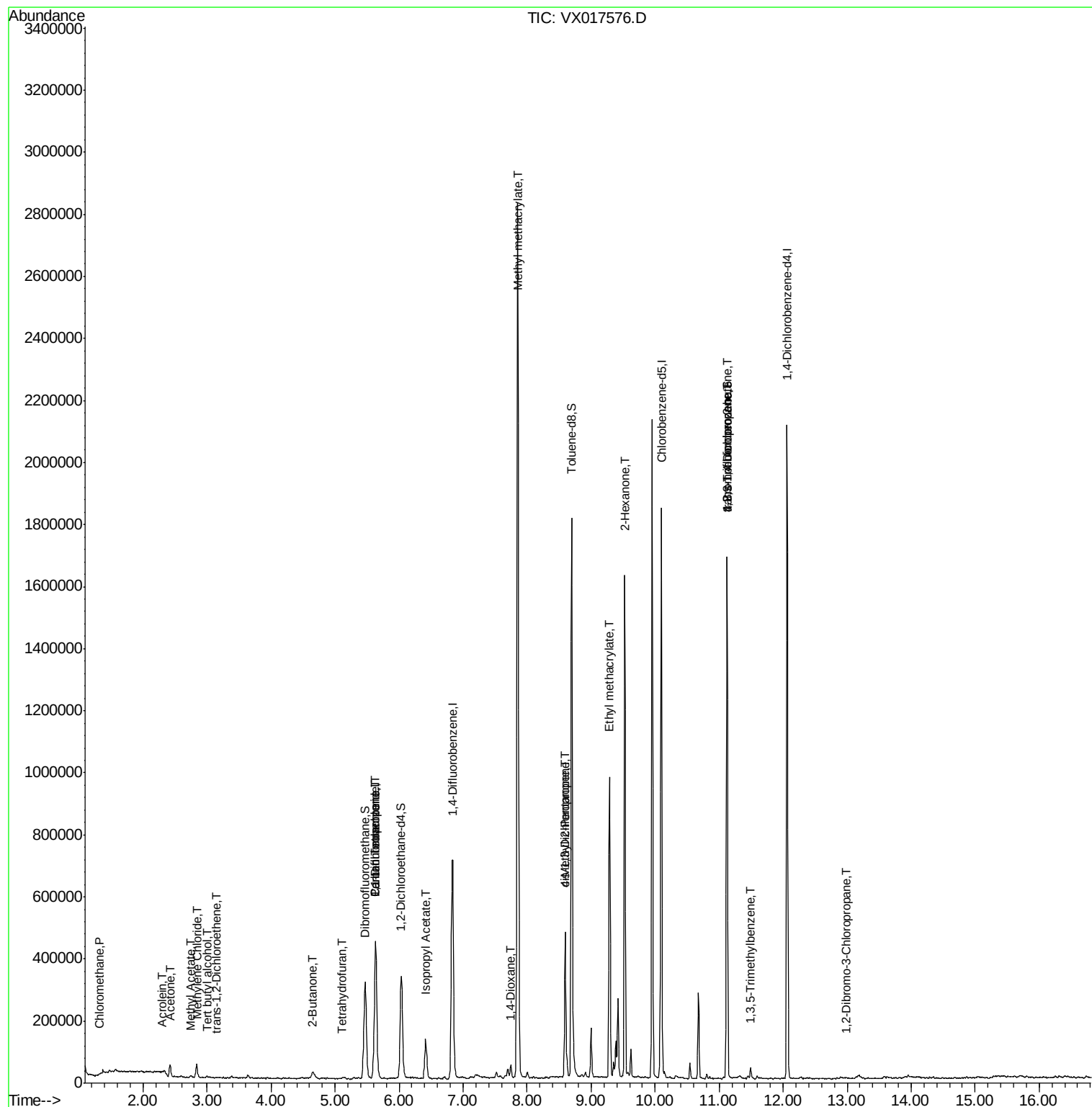
					Qvalue	
2) Dichlorodifluoromethane	1.22	85	129	Below Cal		86
3) Chloromethane	1.32	50	650	0.492 ug/l #		42
5) Bromomethane	1.61	94	310	Below Cal #		3
6) Chloroethane	1.72	64	663	Below Cal #		44
8) Diethyl Ether	2.18	74	850	Below Cal		73
11) Tert butyl alcohol	3.01	59	2262	1.997 ug/l #		85
13) Acrolein	2.29	56	1723	6.108 ug/l #		26
16) Acetone	2.42	43	44683	18.889 ug/l		99
18) Methyl Acetate	2.75	43	7733	1.388 ug/l #		82
20) Methylene Chloride	2.84	84	19818	3.247 ug/l		94
21) trans-1,2-Dichloroethene	3.14	96	1103	0.238 ug/l #		19
25) 2-Butanone	4.65	43	9492	2.824 ug/l		98
29) Tetrahydrofuran	5.11	42	2384	1.145 ug/l #		79
36) 1,1-Dichloropropene	5.62	75	29695	4.293 ug/l #		48
38) Carbon Tetrachloride	5.63	117	43074	5.128 ug/l #		20
43) Isopropyl Acetate	6.42	43	166226	13.311 ug/l		98
48) Methyl methacrylate	7.85	41	247339	39.958 ug/l #		46
49) 1,4-Dioxane	7.74	88	180	1.517 ug/l #		1
51) 4-Methyl-2-Pentanone	8.59	43	176110	23.636 ug/l #		47
54) cis-1,3-Dichloropropene	8.60	75	77425	8.674 ug/l #		57
56) Ethyl methacrylate	9.29	69	3638	0.456 ug/l #		1
59) 2-Hexanone	9.52	43	181596	32.372 ug/l #		51
76) 1,2,3-Trichloropropane	11.12	75	216007	24.266 ug/l #		34
80) 1,3,5-Trimethylbenzene	11.49	105	15129	0.597 ug/l		96
81) trans-1,4-Dichloro-2-buten	11.12	75	216007	61.145 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	110	2.616 ug/l #		1

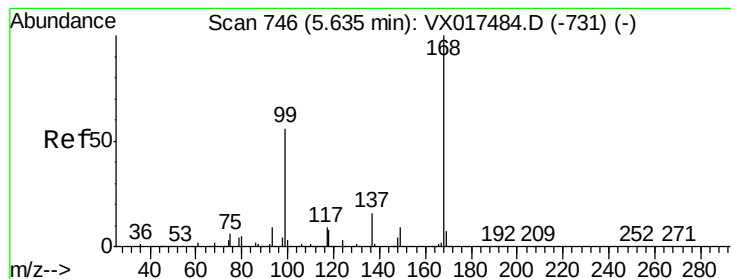
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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Quant Time: Jul 27 01:07:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

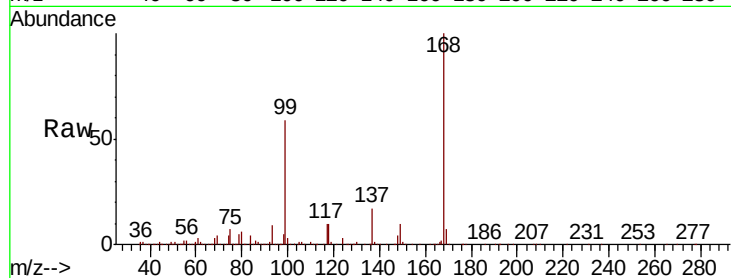
ClientSampled :

Tot Ion:168 Resp: 418416

Ion Ratio Lower Upper

168 100

99 59.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

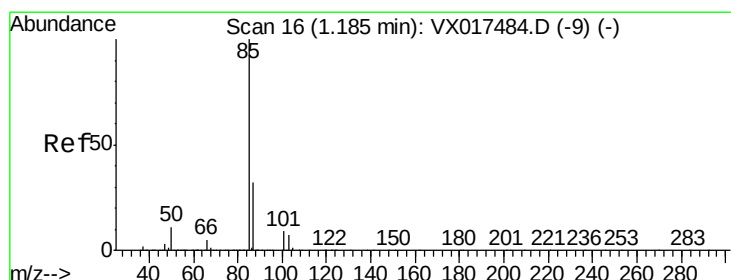
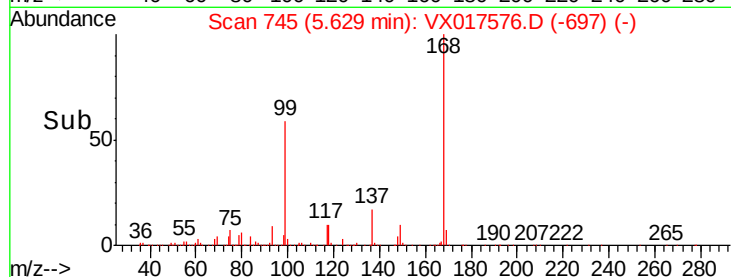
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.22 min Scan# 21

Delta R.T. 0.03 min

Lab File: VX017576.D

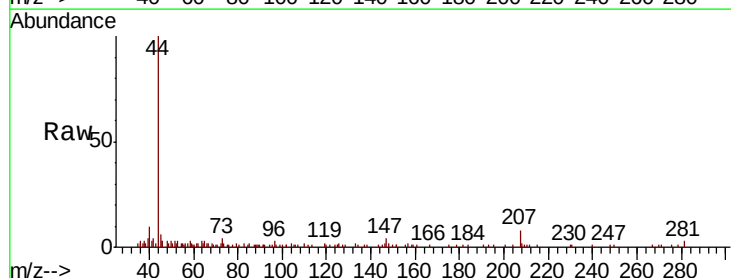
Acq: 25 Jul 2020 07:16

Tgt Ion: 85 Resp: 129

Ion Ratio Lower Upper

85 100

87 40.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

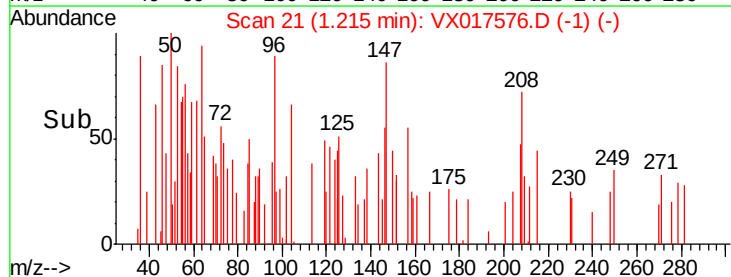
300

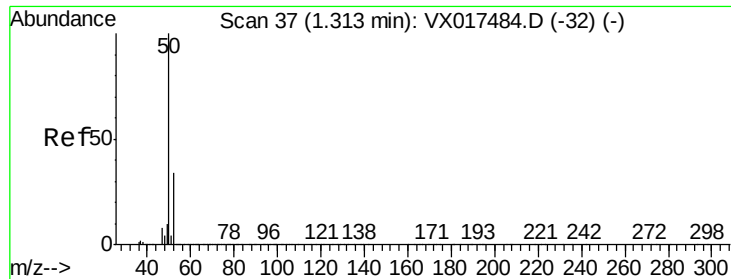
200

100

0

Time-->





#3

Chloromethane

Concen: 0.492 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

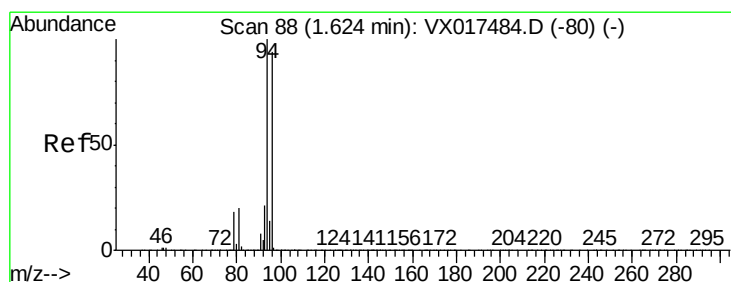
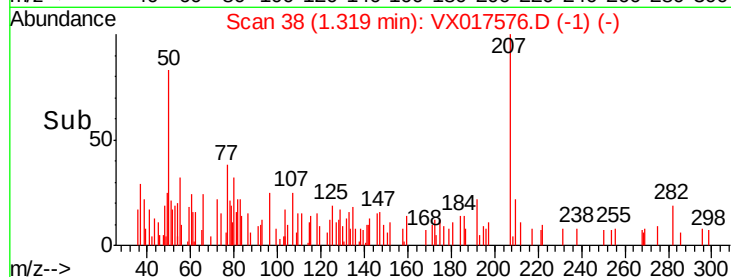
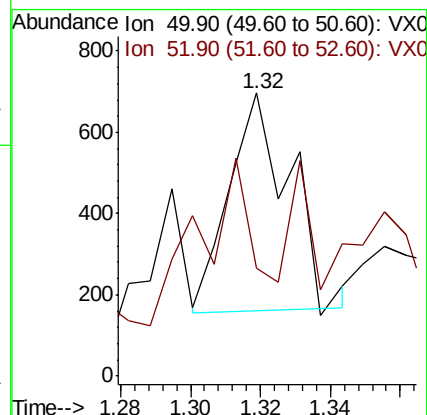
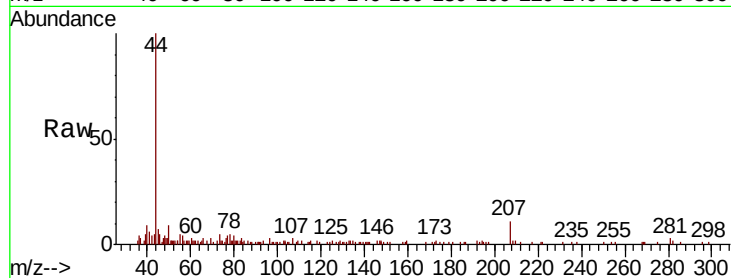
ClientSampleId :

Tot Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017576.D

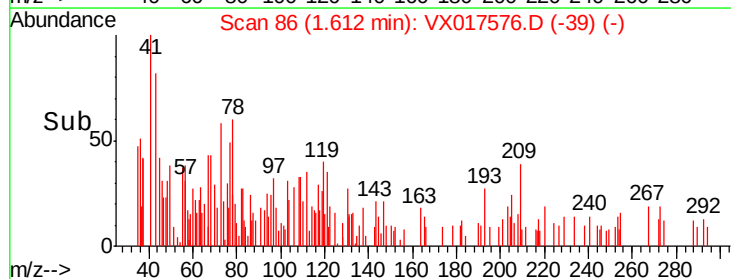
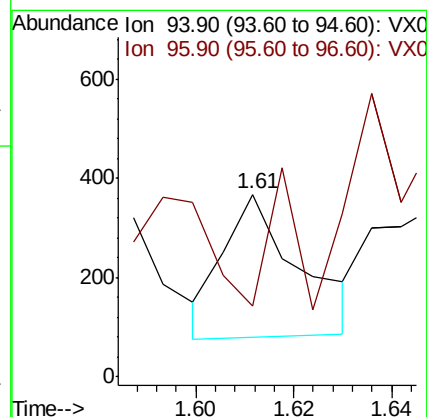
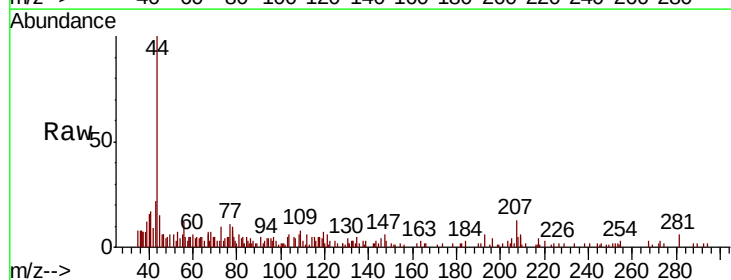
Acq: 25 Jul 2020 07:16

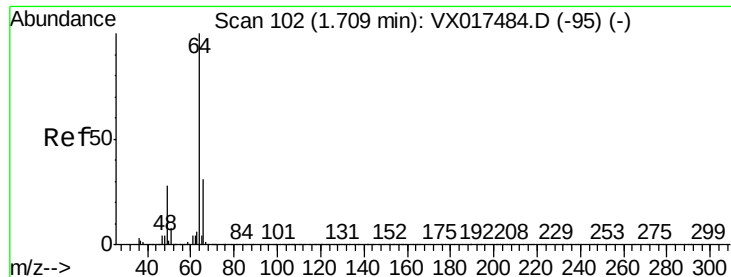
Tgt Ion: 94 Resp: 310

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

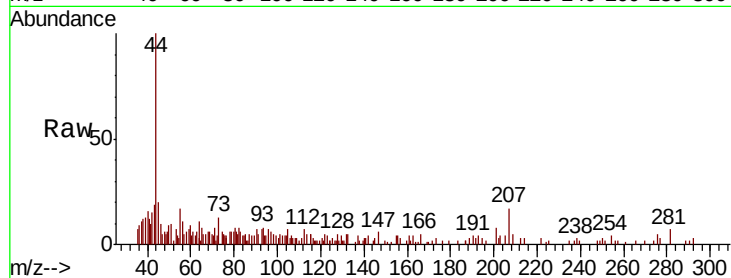
ClientSampleId :

Tot Ion: 64 Resp: 663

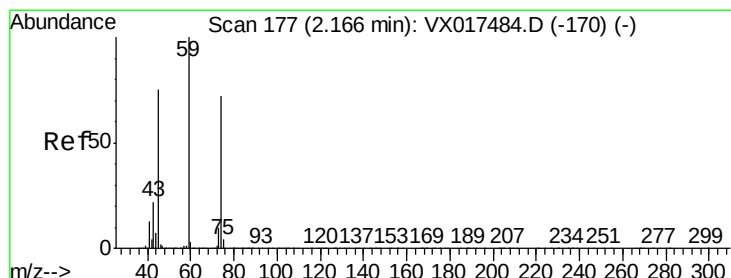
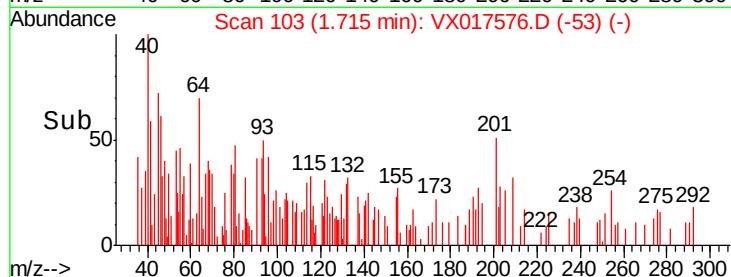
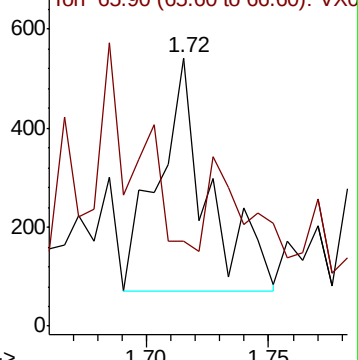
Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017576.D

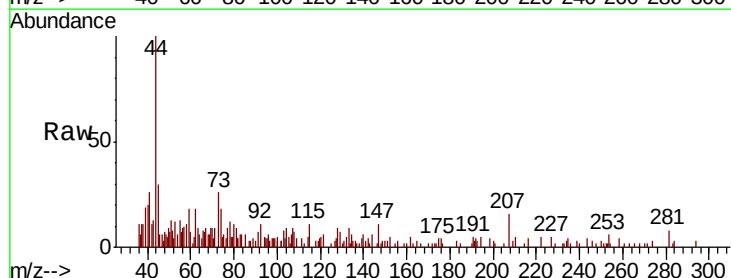
Acq: 25 Jul 2020 07:16

Tgt Ion: 74 Resp: 850

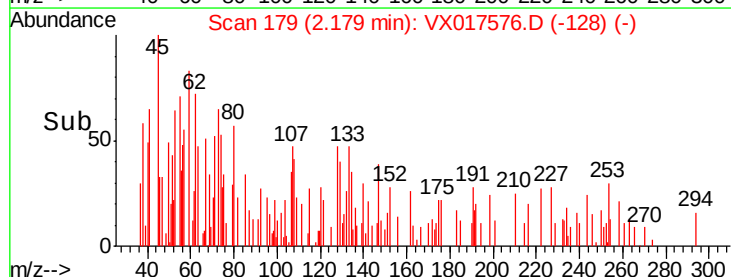
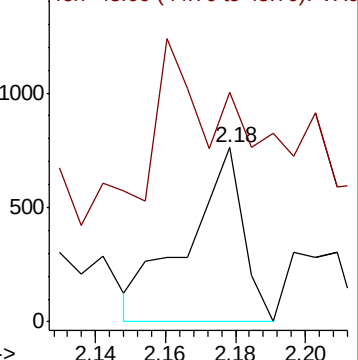
Ion Ratio Lower Upper

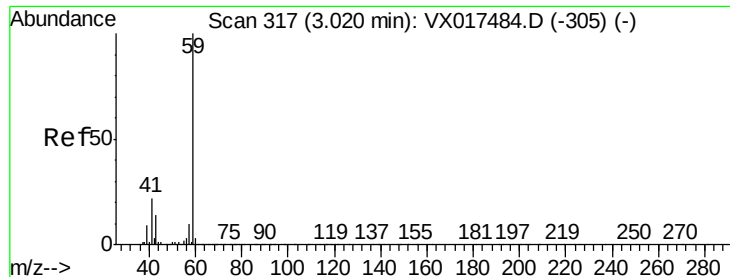
74 100

45 129.3 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0



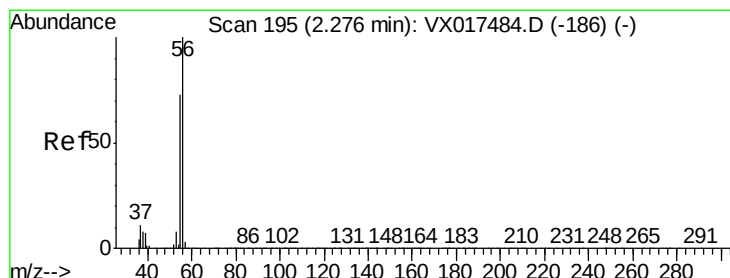
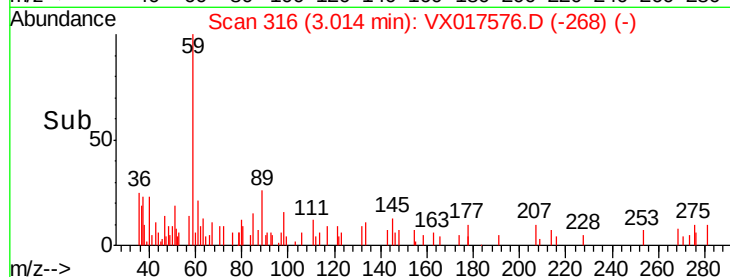
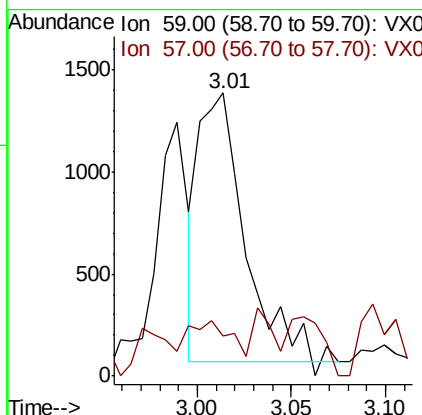
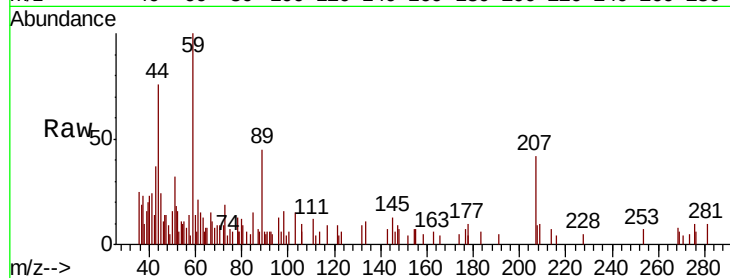


#11

Tert butyl alcohol
 Concen: 1.997 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Instrument :
 MSVOA_X
 ClientSampleId :

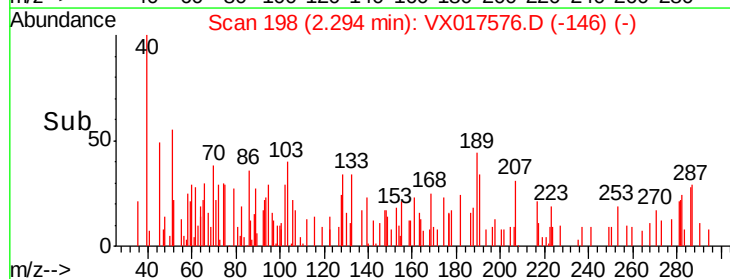
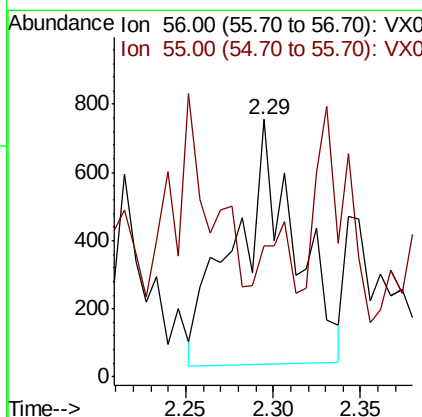
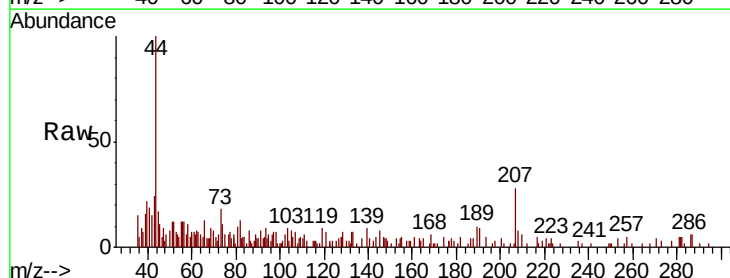
Tot Ion: 59 Resp: 2262
 Ion Ratio Lower Upper
 59 100
 57 16.5 8.6 12.8#

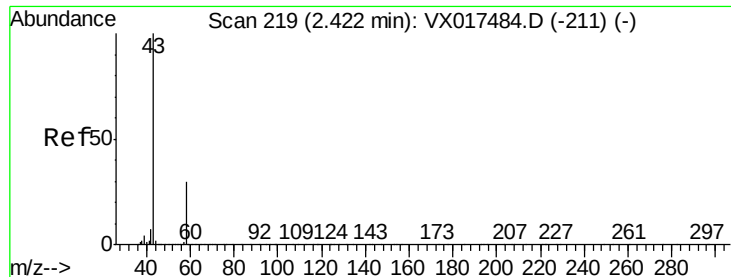


#13

Acrolein
 Concen: 6.108 ug/l
 RT: 2.29 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Tgt Ion: 56 Resp: 1723
 Ion Ratio Lower Upper
 56 100
 55 10.4 57.4 86.2#

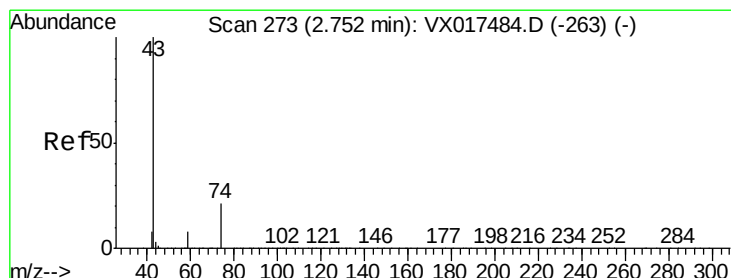
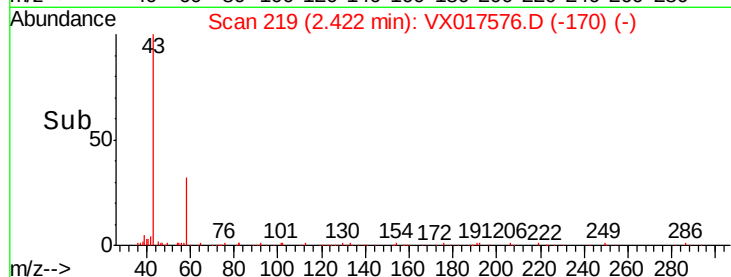
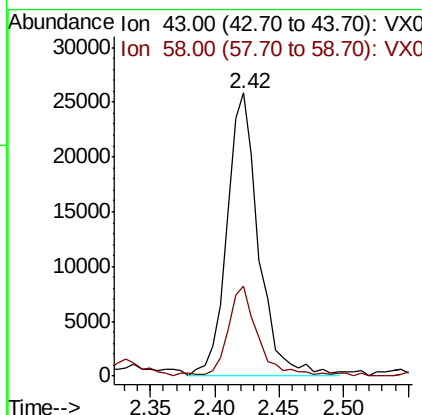
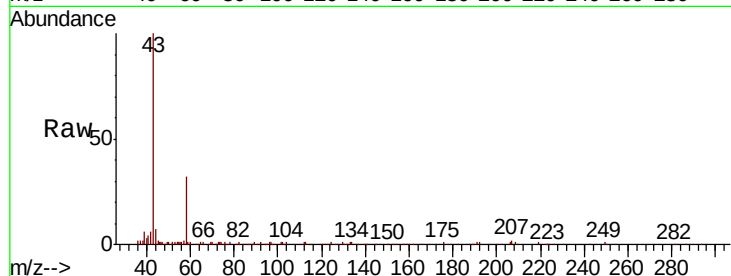




#16
Acetone
Concen: 18.889 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

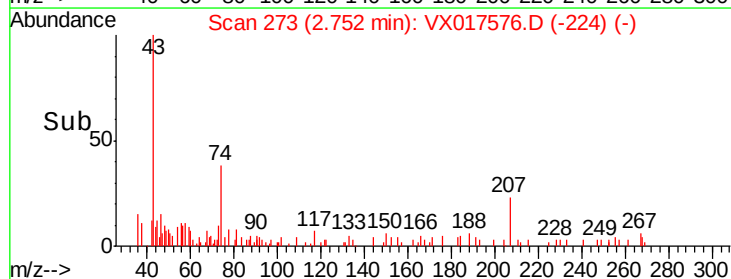
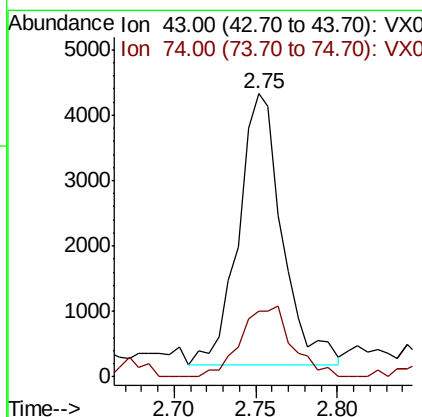
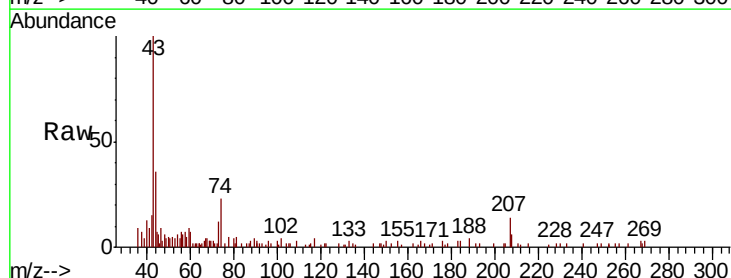
Instrument :
MSVOA_X
ClientSampleId :

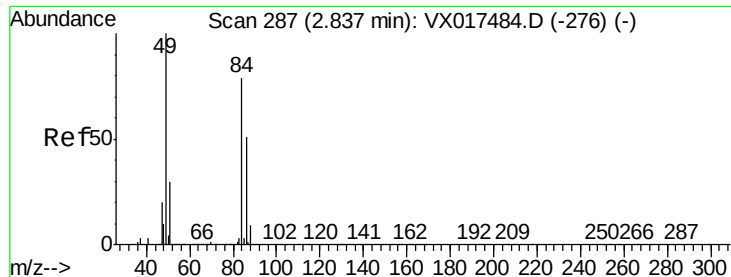
Tot Ion: 43 Resp: 44683
Ion Ratio Lower Upper
43 100
58 31.1 24.2 36.4



#18
Methyl Acetate
Concen: 1.388 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion: 43 Resp: 7733
Ion Ratio Lower Upper
43 100
74 30.4 17.5 26.3#

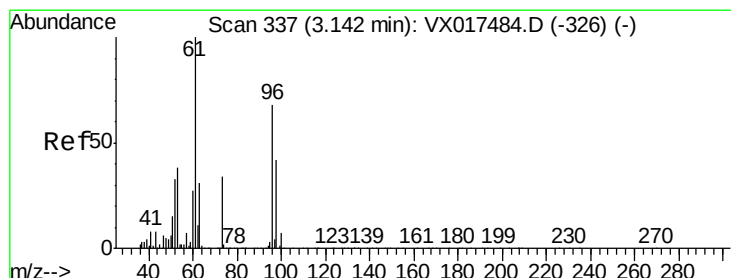
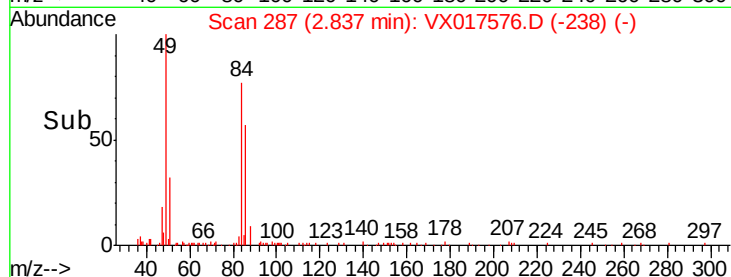
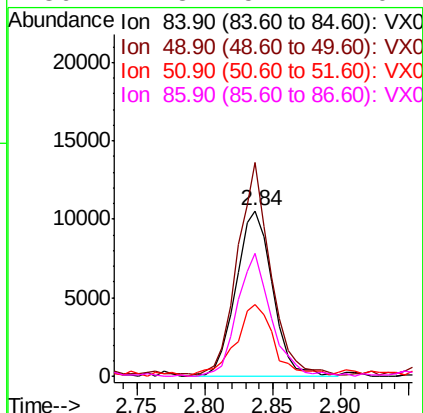
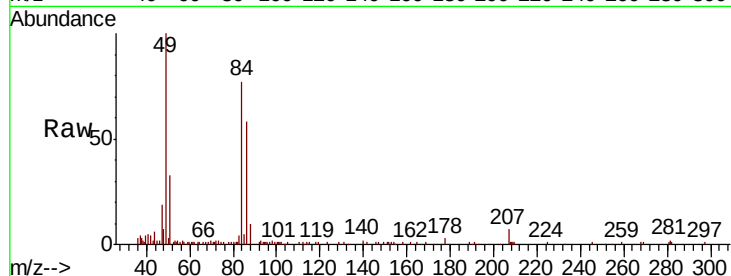




#20
Methylene Chloride
Concen: 3.247 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

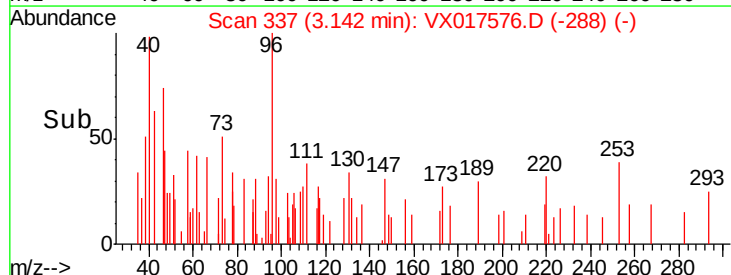
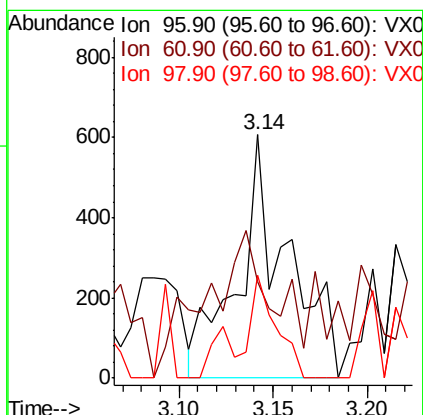
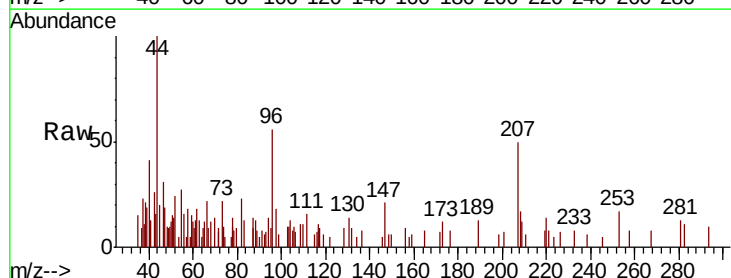
Instrument :
MSVOA_X
ClientSampleId :

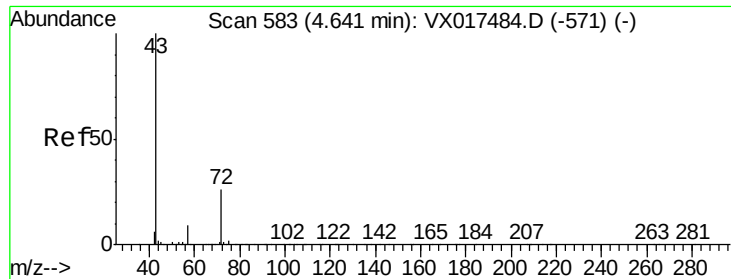
Tot Ion:	84	Resp:	19818
Ion	Ratio	Lower	Upper
84	100		
49	128.4	100.3	150.5
51	41.1	30.5	45.7
86	74.8	51.1	76.7



#21
trans-1,2-Dichloroethene
Concen: 0.238 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion:	96	Resp:	1103
Ion	Ratio	Lower	Upper
96	100		
61	12.0	113.0	169.4#
98	42.3	51.8	77.8#

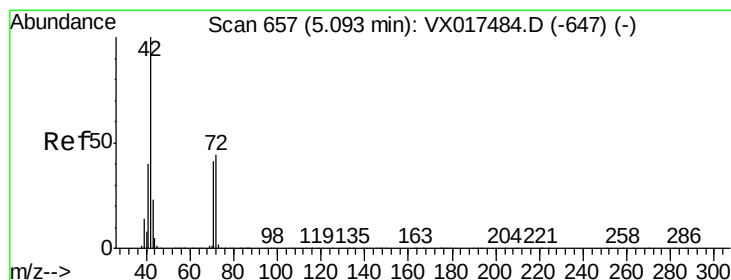
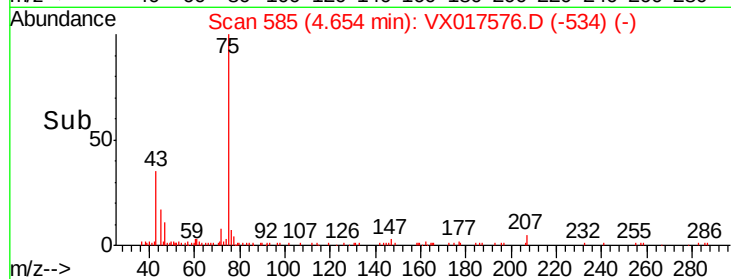
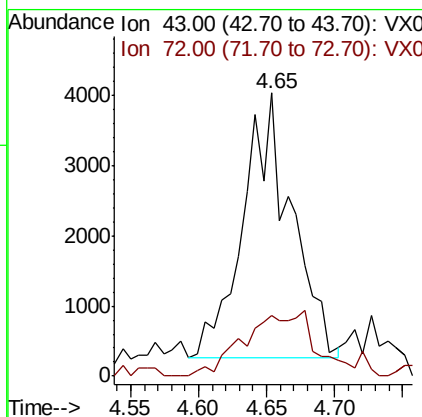
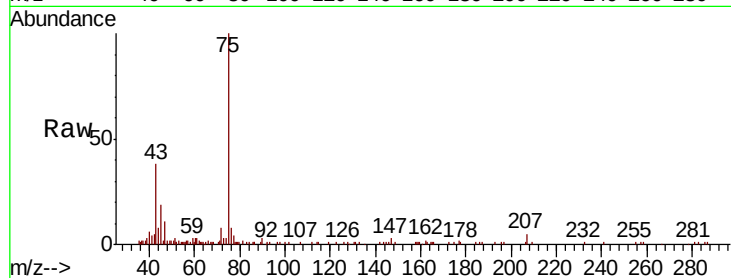




#25
2-Butanone
Concen: 2.824 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

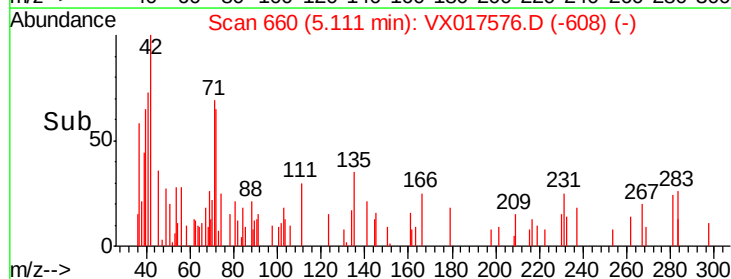
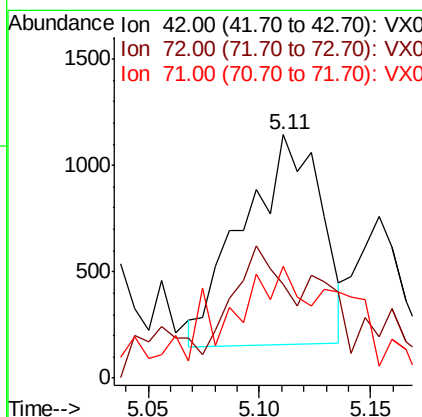
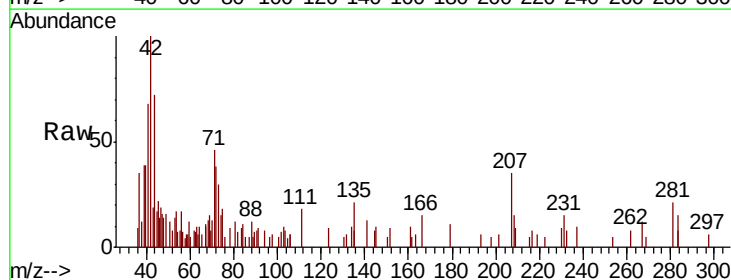
Instrument :
MSVOA_X
ClientSampleId :

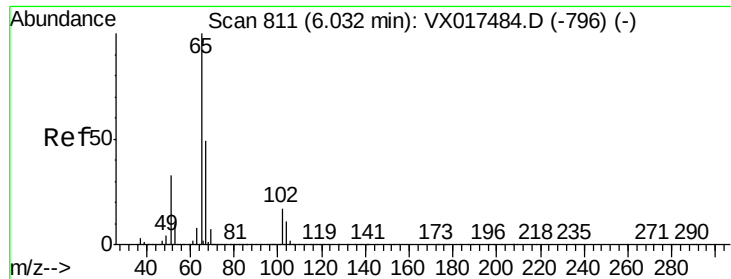
Tot Ion: 43 Resp: 9492
Ion Ratio Lower Upper
43 100
72 22.9 19.0 28.4



#29
Tetrahydrofuran
Concen: 1.145 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion: 42 Resp: 2384
Ion Ratio Lower Upper
42 100
72 33.6 35.5 53.3#
71 25.1 33.0 49.4#

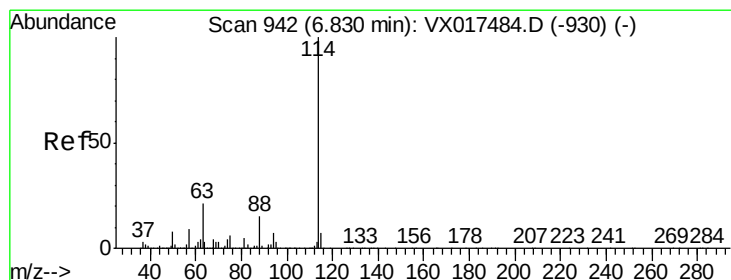
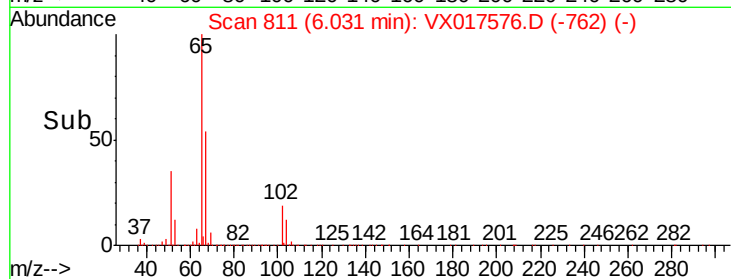
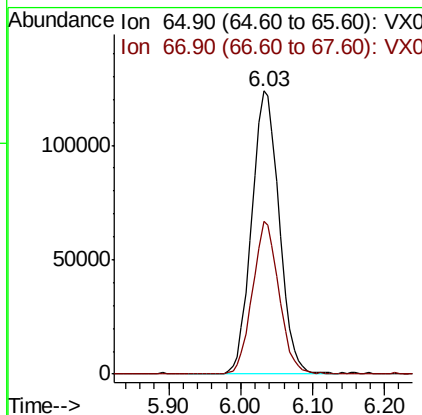
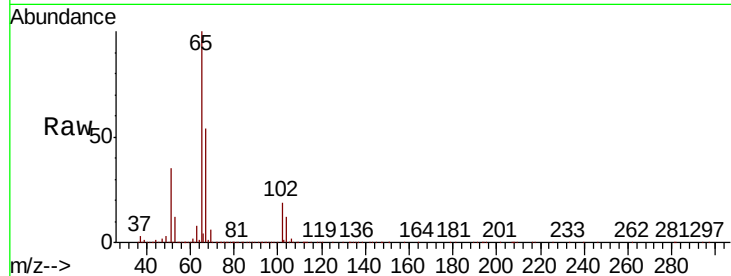




#33
 1,2-Dichloroethane-d4
 Concen: 61.336 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

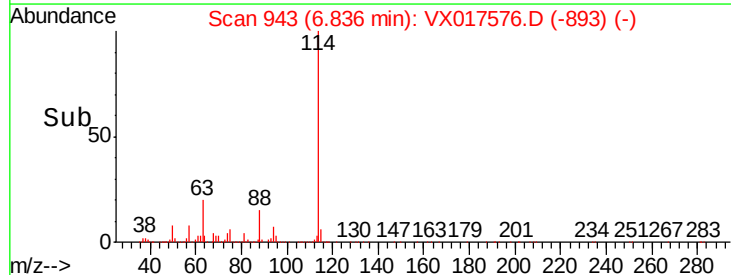
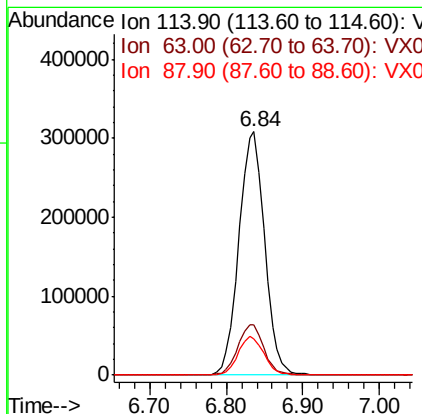
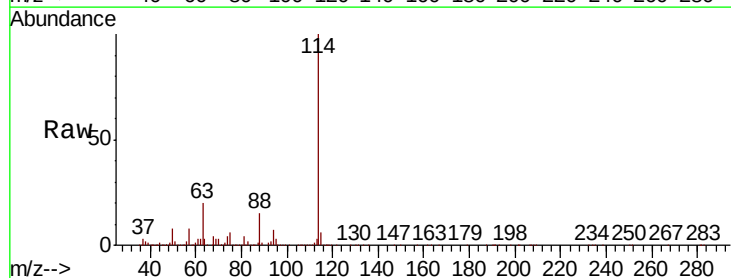
Instrument :
 MSVOA_X
 ClientSampleId :

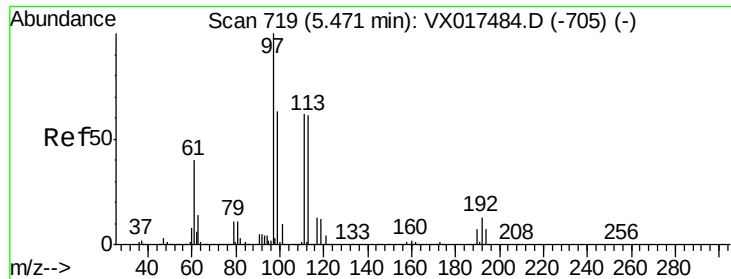
Tot Ion: 65 Resp: 329663
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Tgt Ion: 114 Resp: 721222
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.6
 88 14.8 0.0 33.4

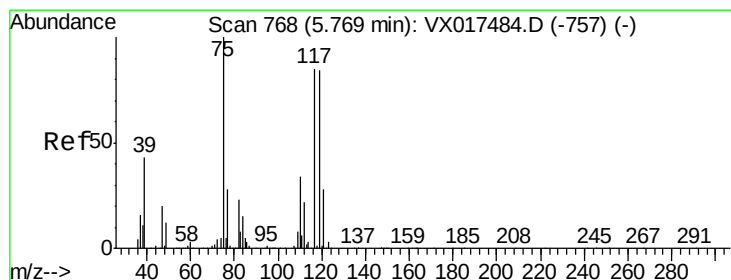
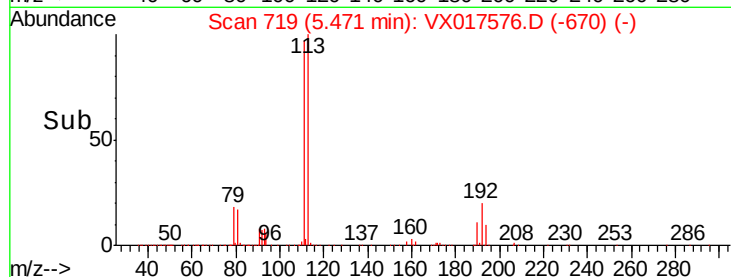
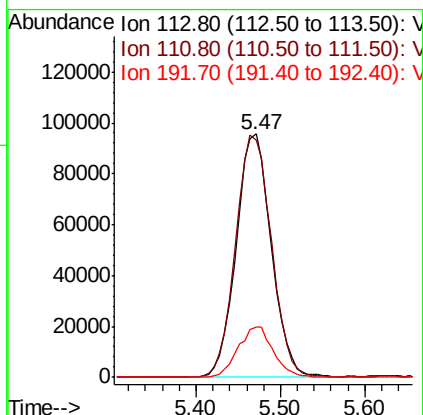
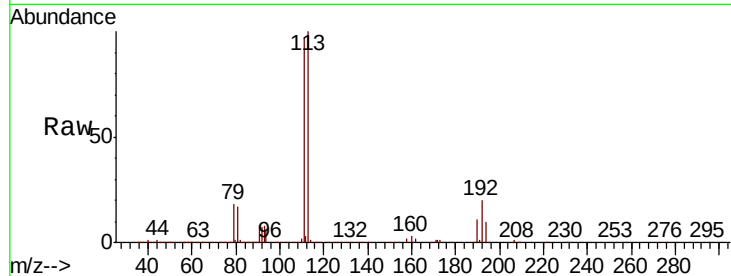




#35
 Dibromofluoromethane
 Concen: 55.872 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

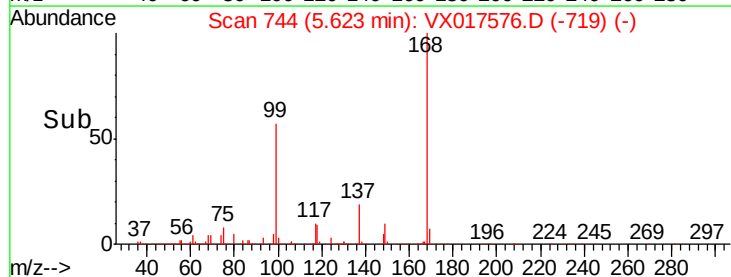
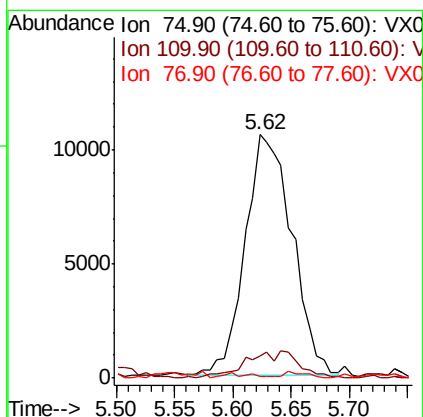
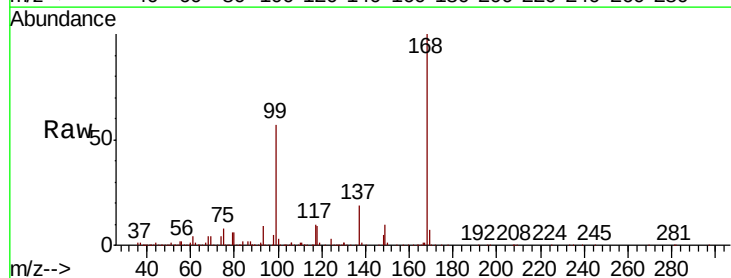
Instrument :
 MSVOA_X
 ClientSampleId :

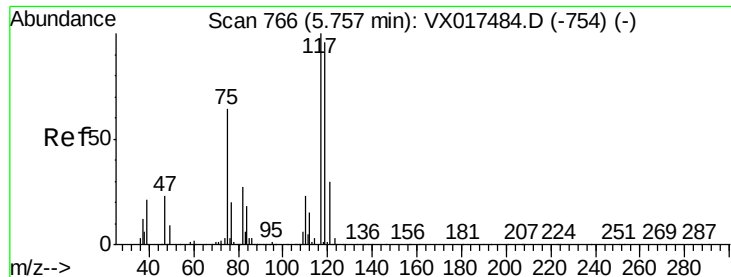
Tot Ion:113 Resp: 269504
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.7 121.1
 192 20.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.293 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Tgt Ion: 75 Resp: 29695
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.1 54.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.128 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

ClientSampleId :

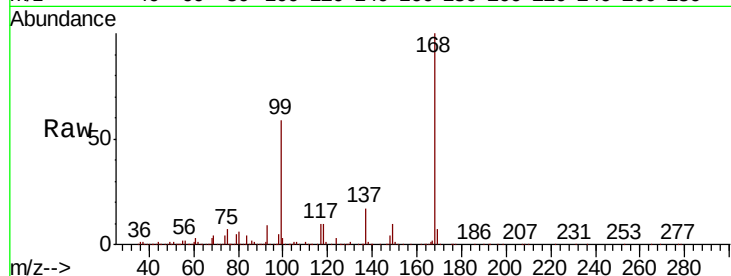
Tot Ion:117 Resp: 43074

Ion Ratio Lower Upper

117 100

119 8.0 75.4 113.0#

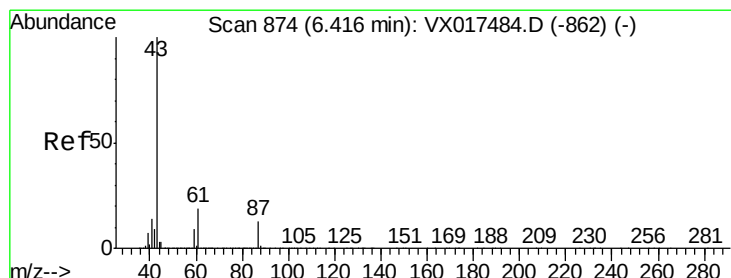
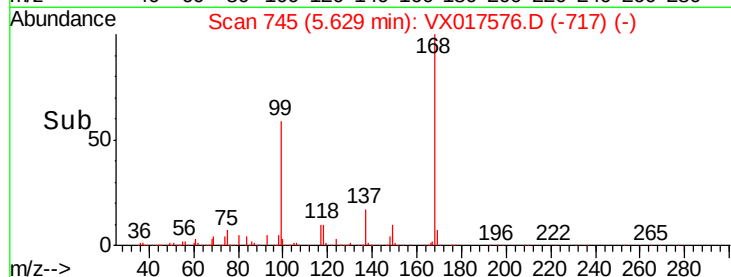
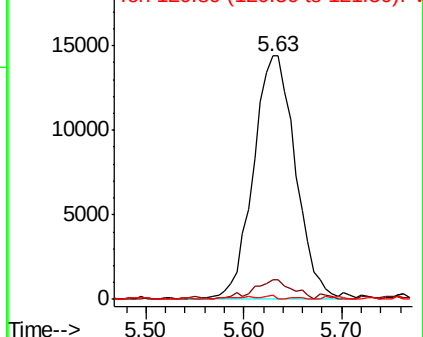
121 1.4 24.3 36.5#



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: 13.311 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

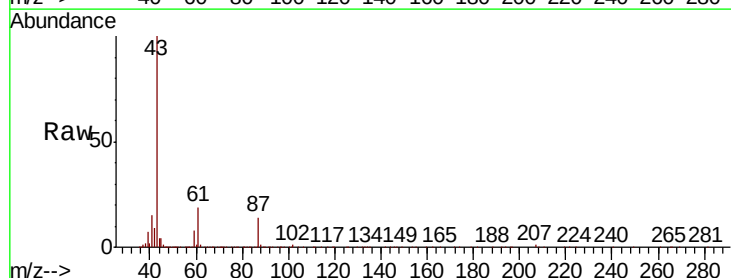
Tgt Ion: 43 Resp: 166226

Ion Ratio Lower Upper

43 100

61 20.0 15.5 23.3

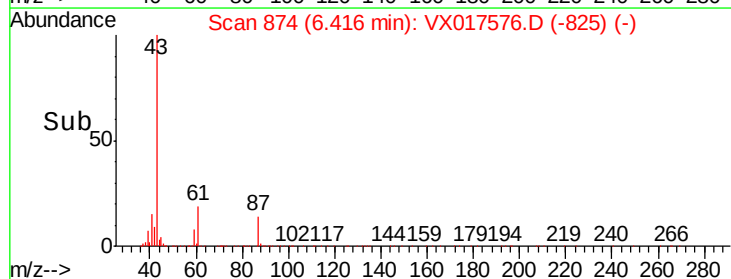
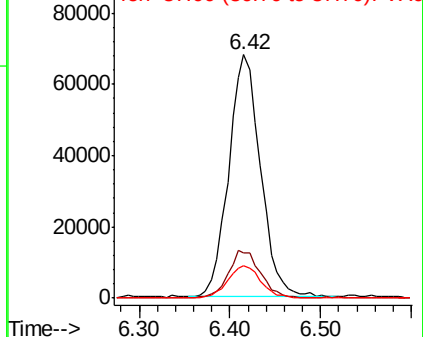
87 14.0 10.5 15.7

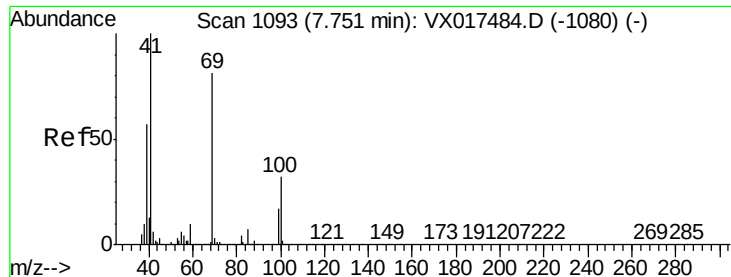


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

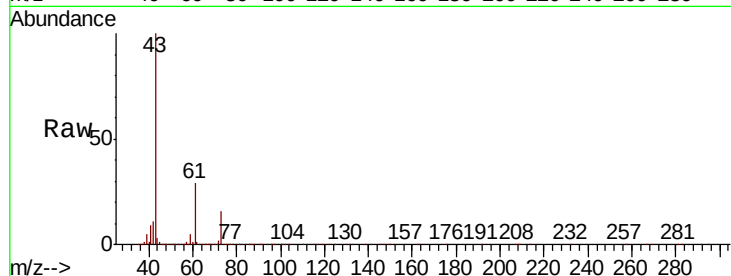




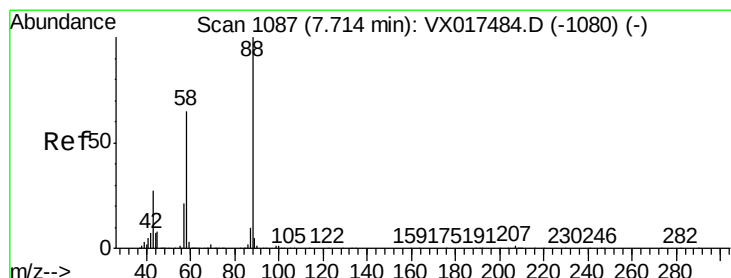
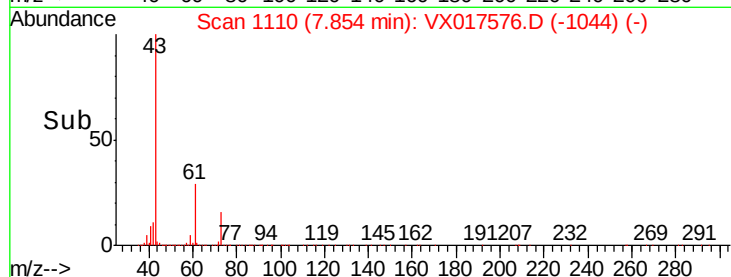
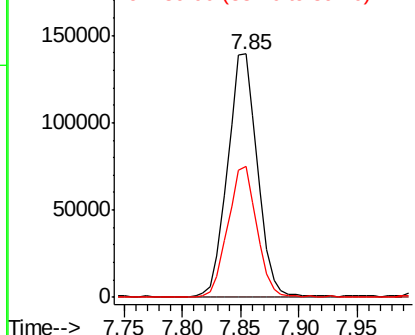
#48
Methvl methacrylate
Concen: 39.958 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.10 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	53.1	45.1	67.7

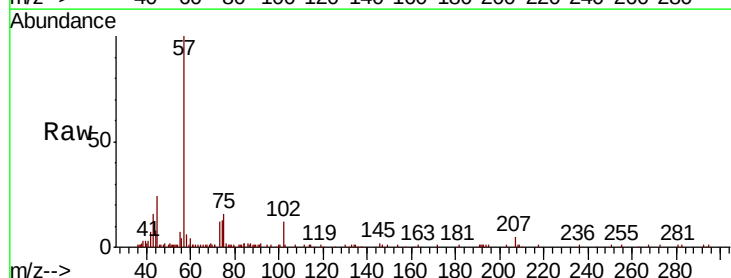


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

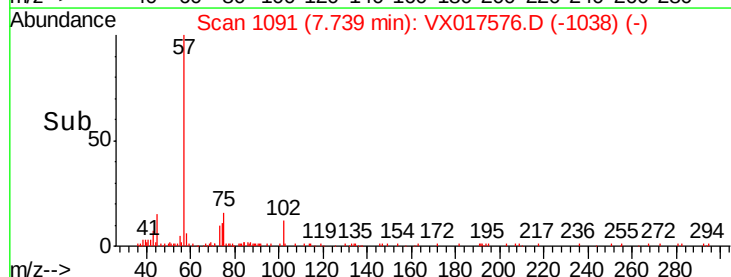
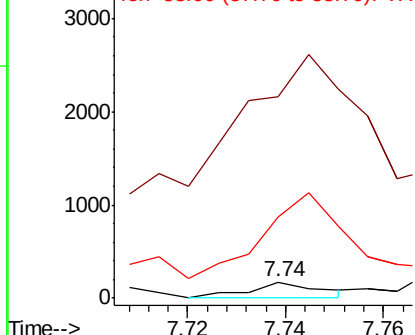


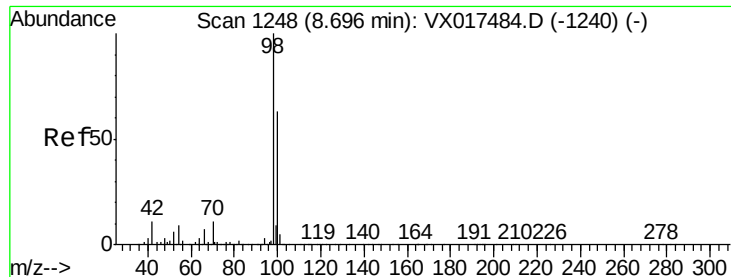
#49
1,4-Dioxane
Concen: 1.517 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.8	41.6#
58	1056.1	58.3	87.5#



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: 61.422 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

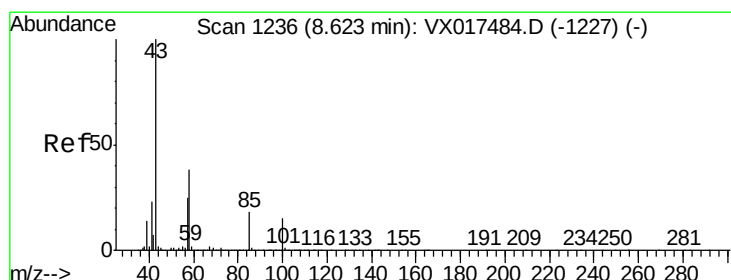
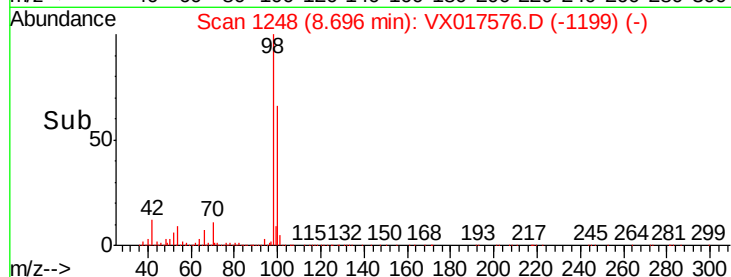
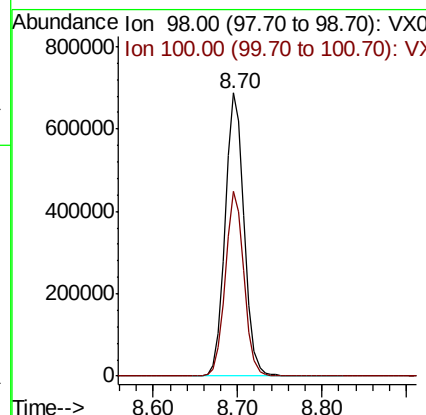
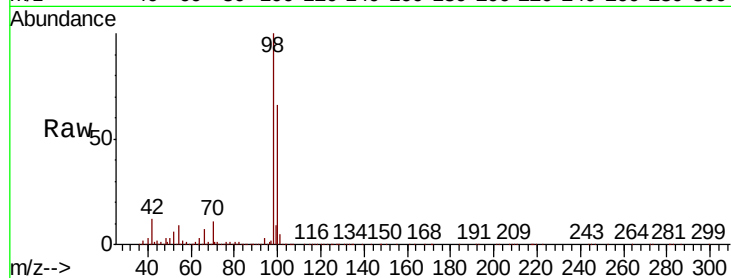
ClientSampleId :

Tot Ion: 98 Resp: 1068808

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 23.636 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017576.D

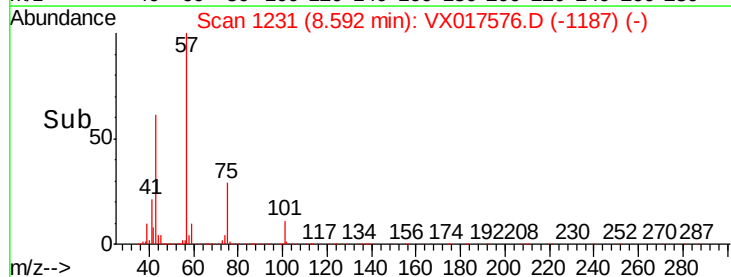
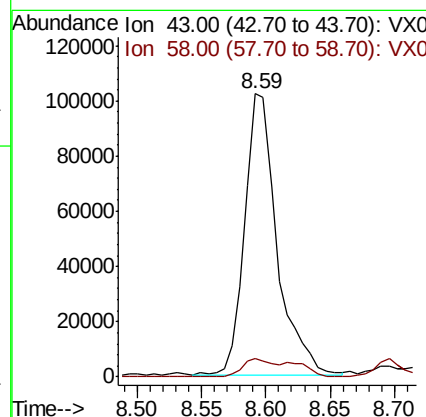
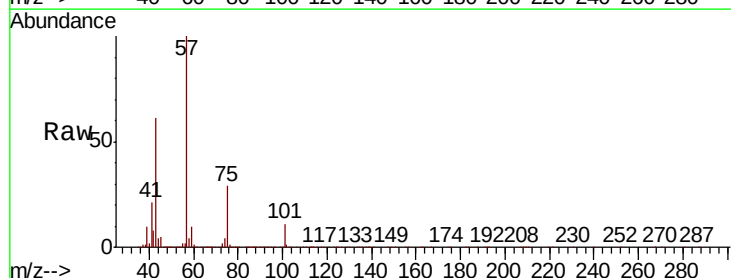
Acq: 25 Jul 2020 07:16

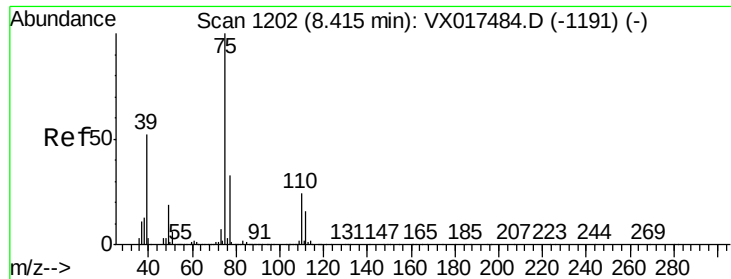
Tgt Ion: 43 Resp: 176110

Ion Ratio Lower Upper

43 100

58 6.3 31.0 46.4#



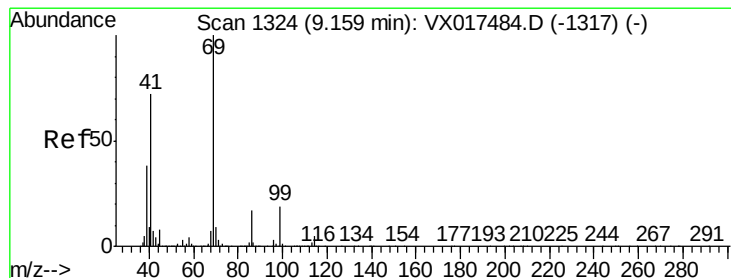
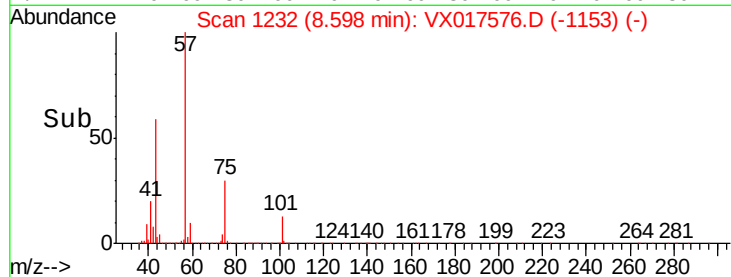
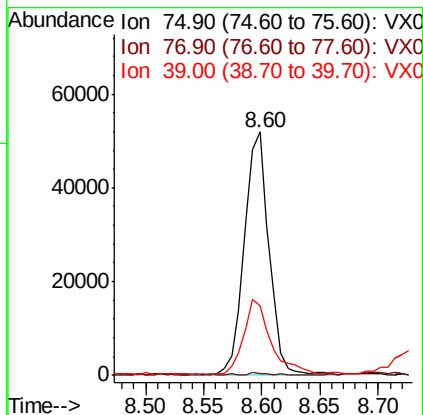
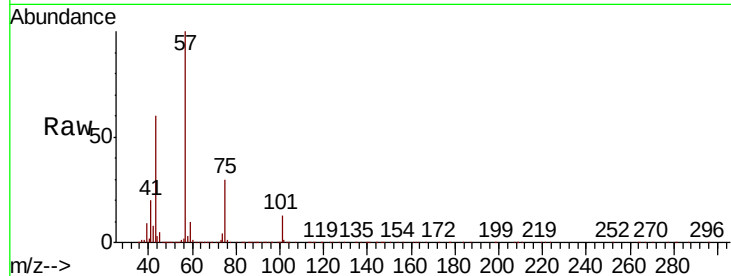


#54

cis-1,3-Dichloropropene
 Concen: 8.674 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Instrument :
 MSVOA_X
 ClientSampleId :

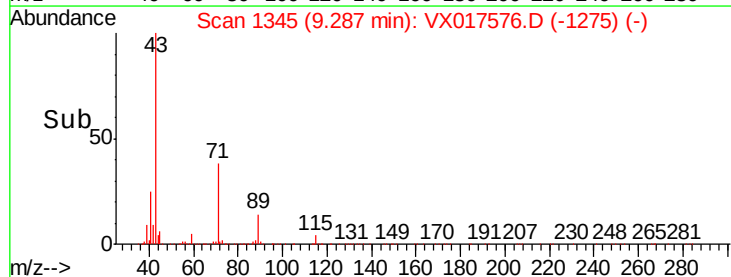
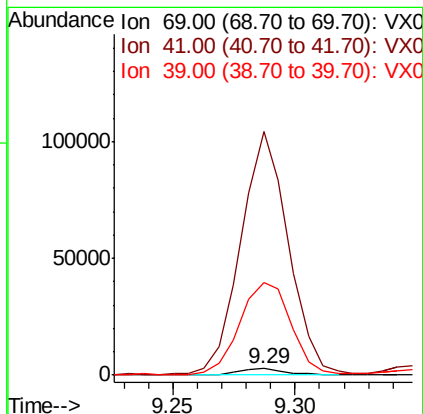
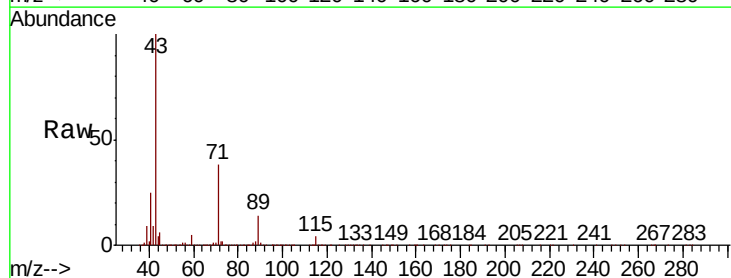
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.2	25.5	38.3#
39	27.5	41.8	62.8#

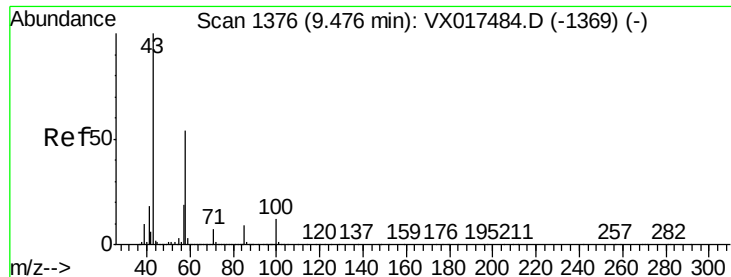


#56

Ethyl methacrylate
 Concen: 0.456 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX017576.D
 Acq: 25 Jul 2020 07:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	3879.1	55.0	82.6#
39	1583.8	30.0	45.0#

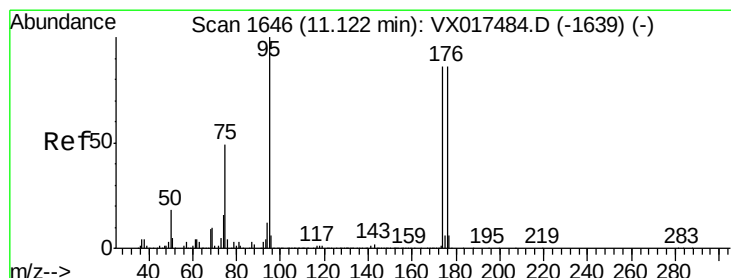
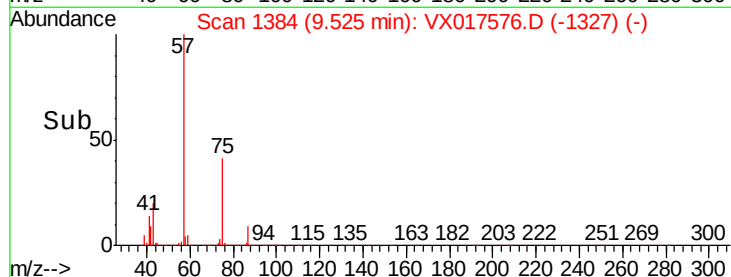
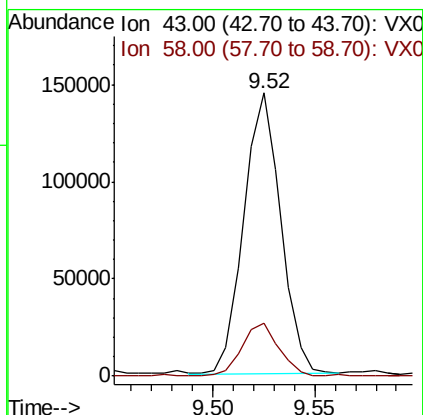
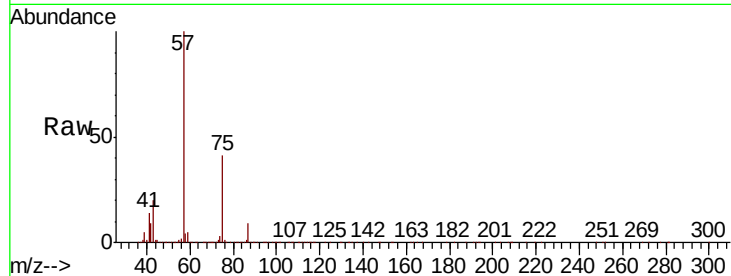




#59
2-Hexanone
Concen: 32.372 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

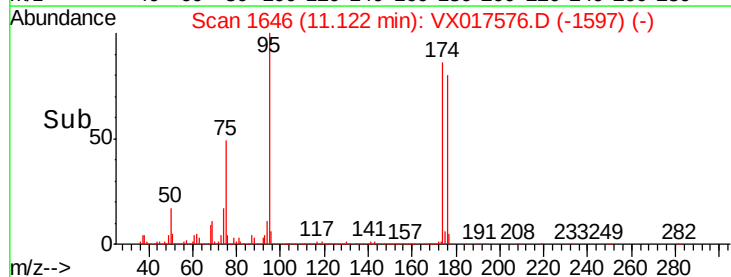
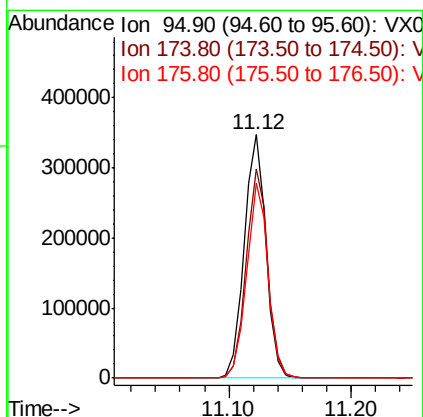
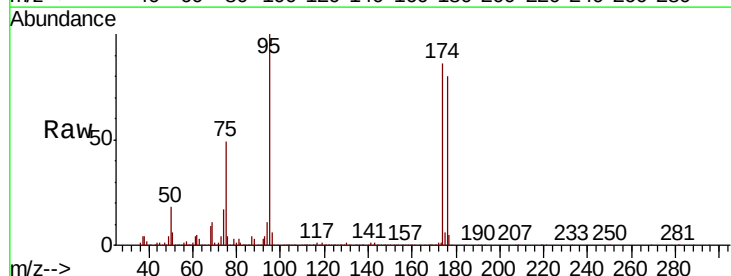
Instrument :
MSVOA_X
ClientSampleId :

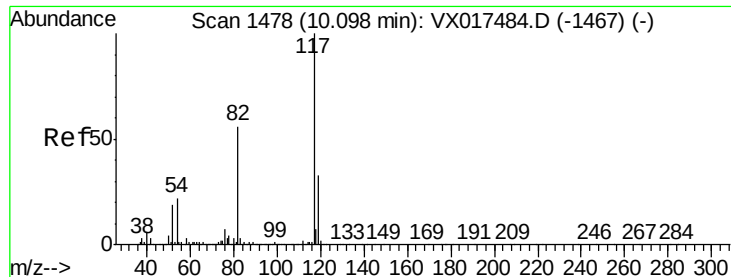
Tot Ion: 43 Resp: 181596
Ion Ratio Lower Upper
43 100
58 18.5 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 60.825 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion: 95 Resp: 423578
Ion Ratio Lower Upper
95 100
174 86.4 0.0 169.0
176 79.6 0.0 161.0

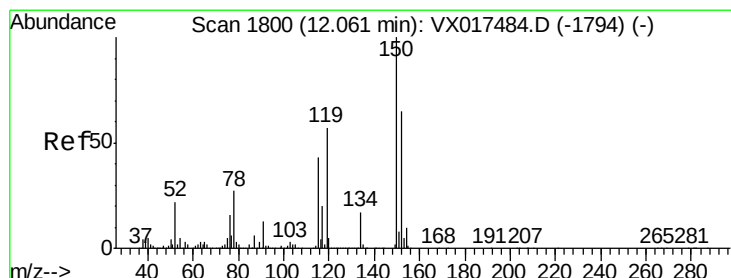
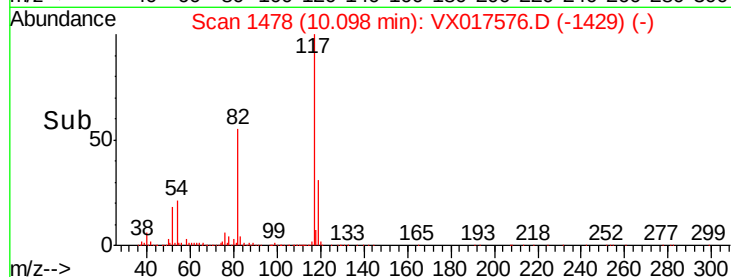
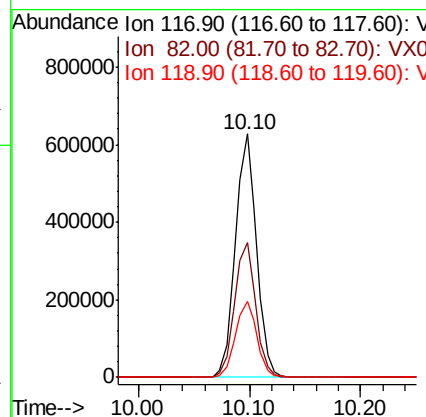
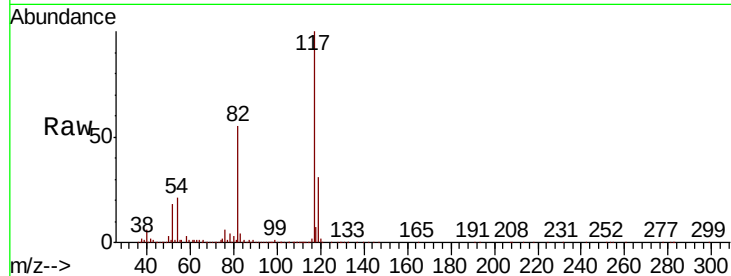




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

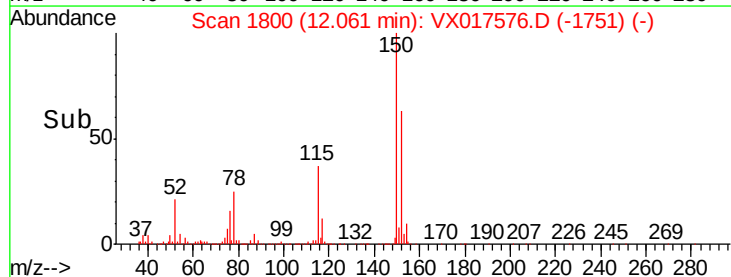
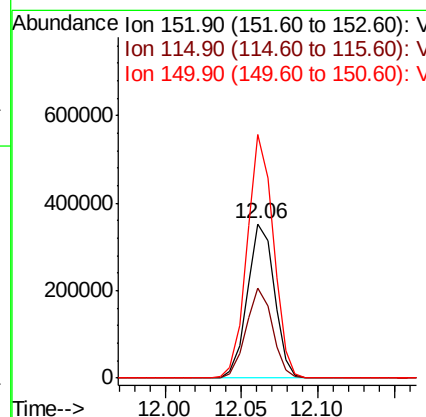
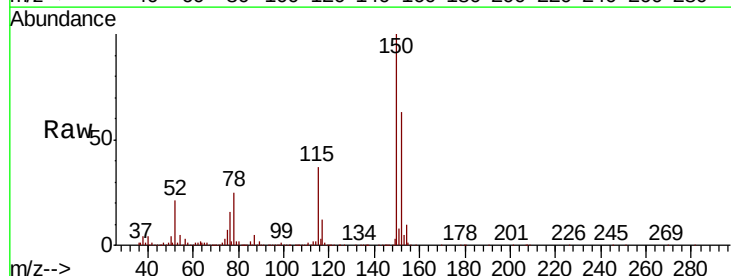
Instrument :
MSVOA_X
ClientSampleId :

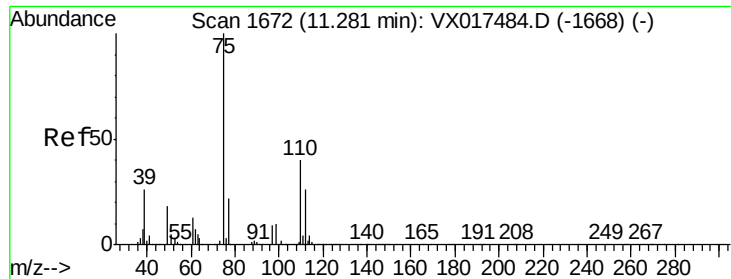
Tot Ion:117 Resp: 821541
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017576.D
Acq: 25 Jul 2020 07:16

Tgt Ion:152 Resp: 432739
Ion Ratio Lower Upper
152 100
115 57.1 65.5 196.6#
150 154.0 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 24.266 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

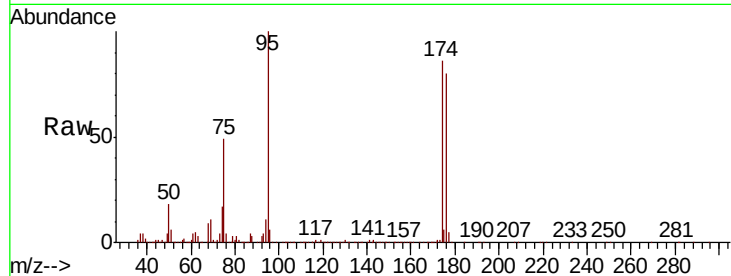
ClientSampleId :

Tot Ion: 75 Resp: 216007

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

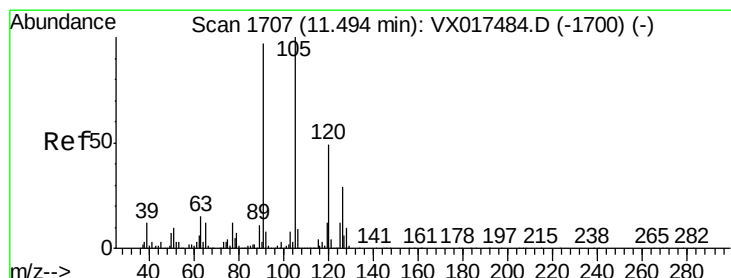
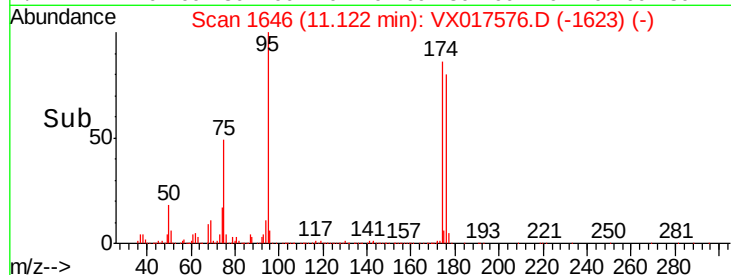
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.597 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017576.D

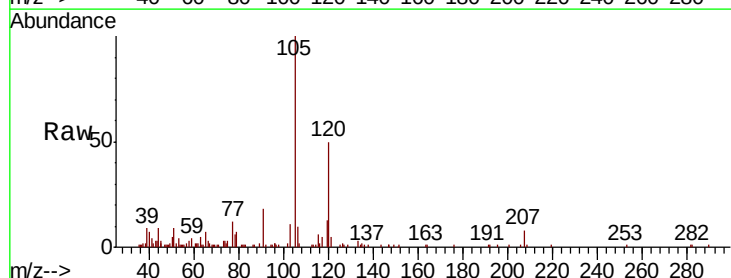
Acq: 25 Jul 2020 07:16

Tgt Ion:105 Resp: 15129

Ion Ratio Lower Upper

105 100

120 50.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

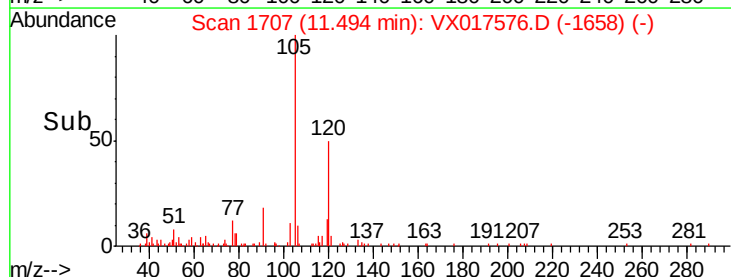
11.49

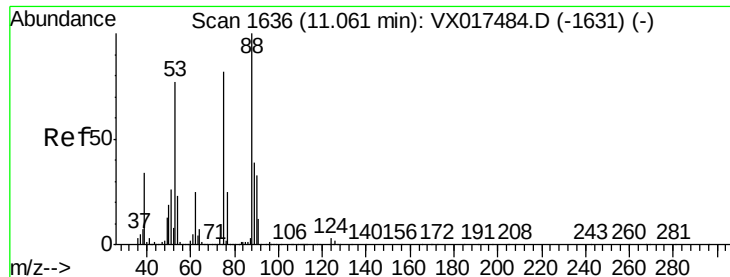
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 61.145 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

Instrument :

MSVOA_X

ClientSampled :

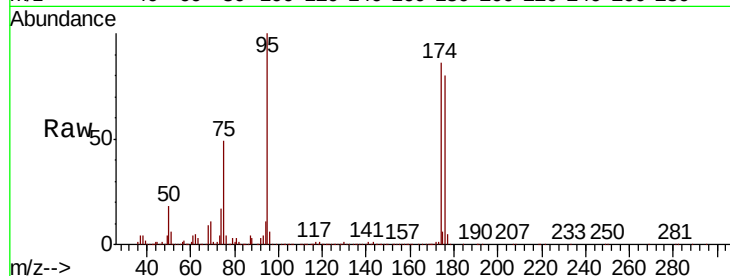
Tot Ion: 75 Resp: 216007

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

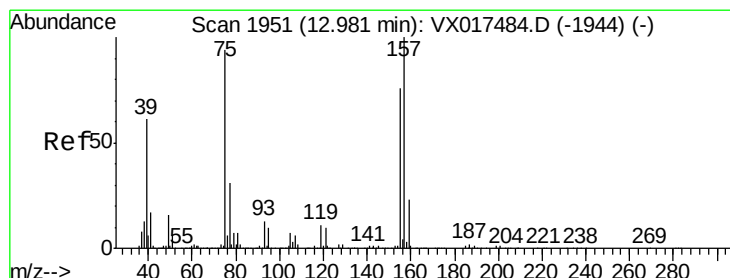
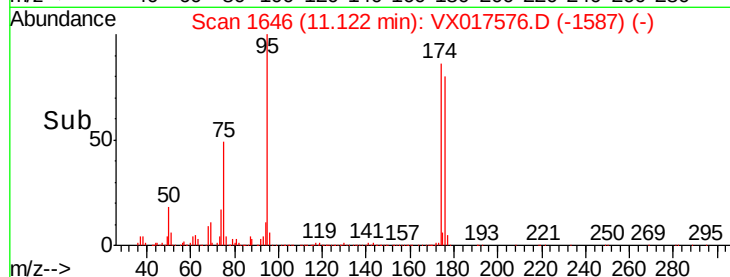
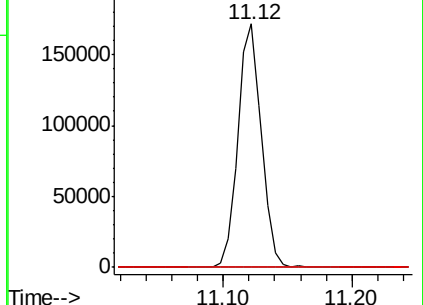
89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.616 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX017576.D

Acq: 25 Jul 2020 07:16

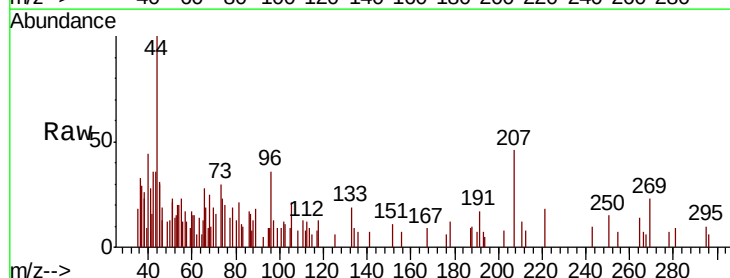
Tgt Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 0.0 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

