

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016481.D
 Acq On : 28 May 2020 13:38
 Operator : JC/SP
 Sample : L2730-05DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520DL

Quant Time: May 29 03:38:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	308376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	501526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	493305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183207	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	5.47	113	143741	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	8.70	98	618643	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.12	95	249148	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

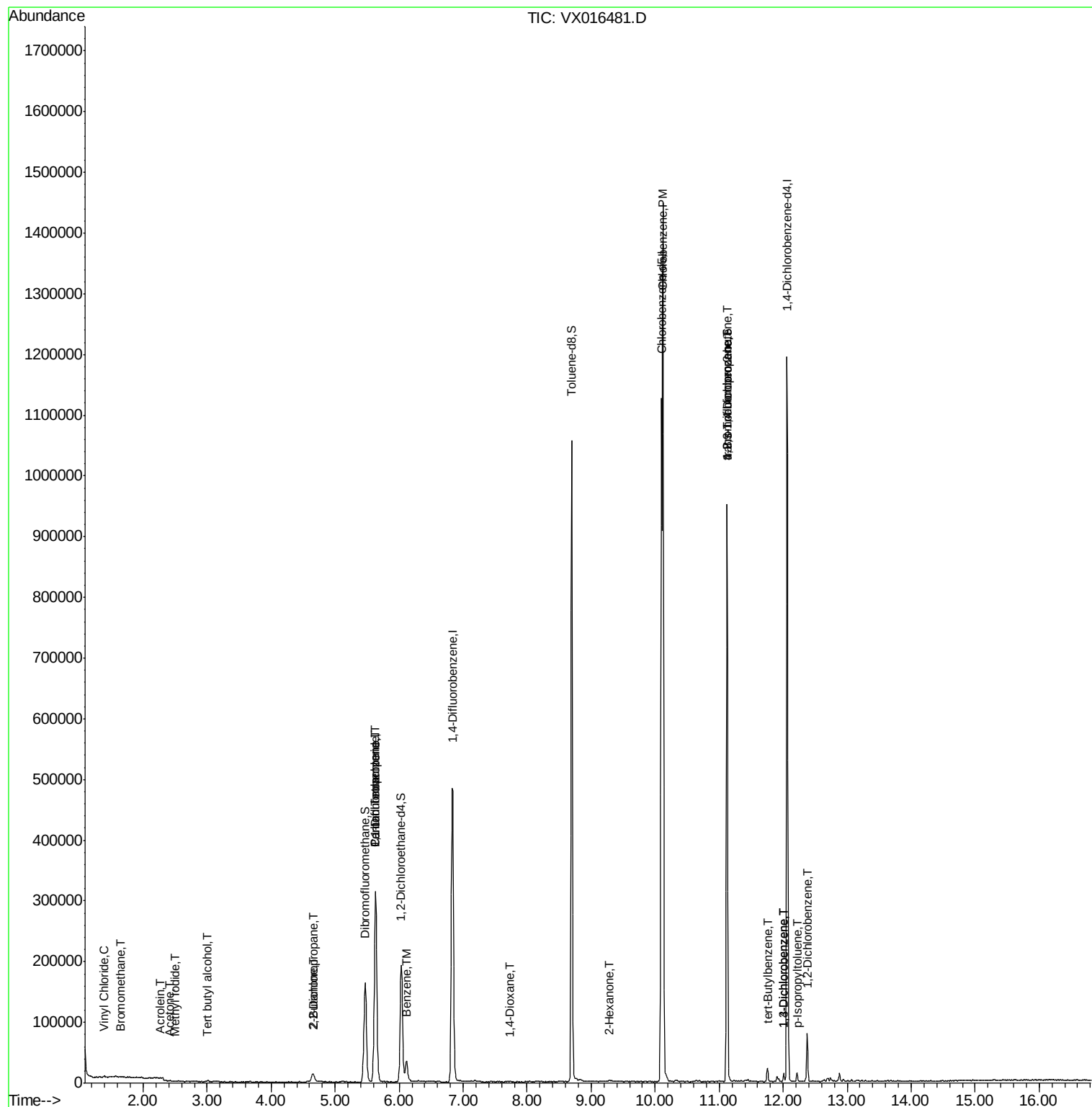
						Qvalue
4) Vinyl Chloride	1.39	62	1157	0.298	ug/l	95
5) Bromomethane	1.65	94	453	0.240	ug/l #	26
10) Methyl Iodide	2.50	142	164	3.101	ug/l #	78
11) Tert butyl alcohol	3.01	59	2236	2.277	ug/l #	82
13) Acrolein	2.28	56	215	0.515	ug/l	87
16) Acetone	2.42	43	1362	0.812	ug/l	91
25) 2-Butanone	4.65	43	674	0.237	ug/l #	71
26) 2,2-Dichloropropane	4.67	77	1580	0.326	ug/l #	53
36) 1,1-Dichloropropene	5.63	75	22286	4.693	ug/l #	51
38) Carbon Tetrachloride	5.63	117	29603	5.932	ug/l #	17
40) Benzene	6.12	78	40282	2.849	ug/l	95
49) 1,4-Dioxane	7.72	88	375	3.763	ug/l #	59
59) 2-Hexanone	9.29	43	1737	0.403	ug/l	69
65) Chlorobenzene	10.12	112	610508	60.704	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	121607	22.225	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	121607	54.670	ug/l #	14
83) tert-Butylbenzene	11.76	119	8261	0.671	ug/l	90
86) p-Isopropyltoluene	12.22	119	6026	0.417	ug/l	90
87) 1,3-Dichlorobenzene	12.01	146	4915	0.627	ug/l	96
88) 1,4-Dichlorobenzene	12.01	146	4915	0.613	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	25776	3.395	ug/l	99

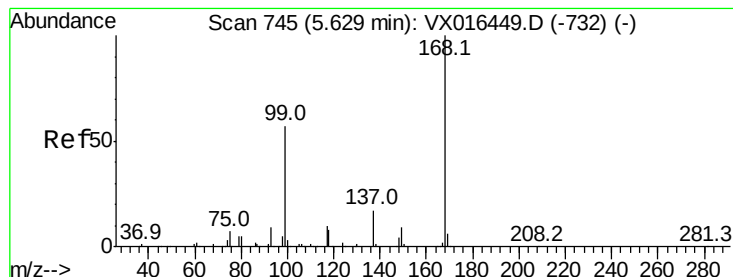
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

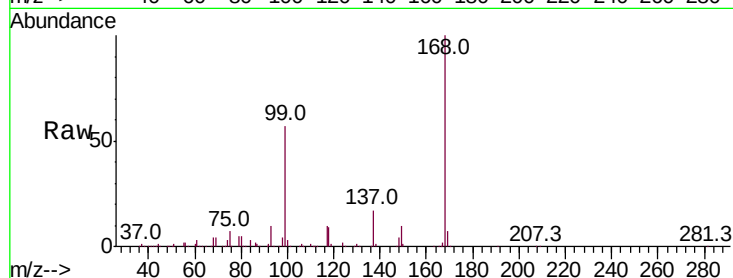
Z2-DUP-0558-200520DL

Tot Ion:168 Resp: 308376

Ion Ratio Lower Upper

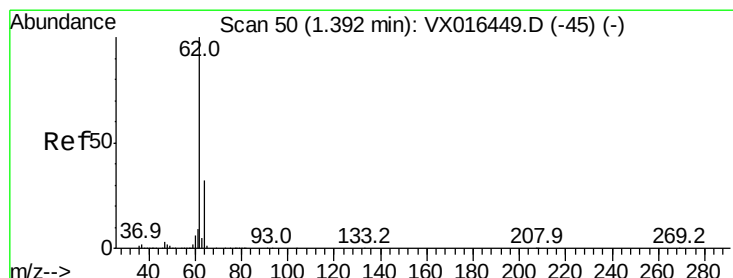
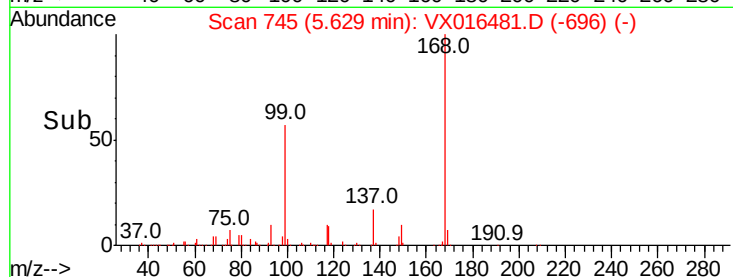
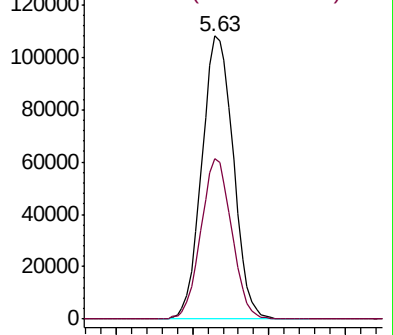
168 100

99 56.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.298 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016481.D

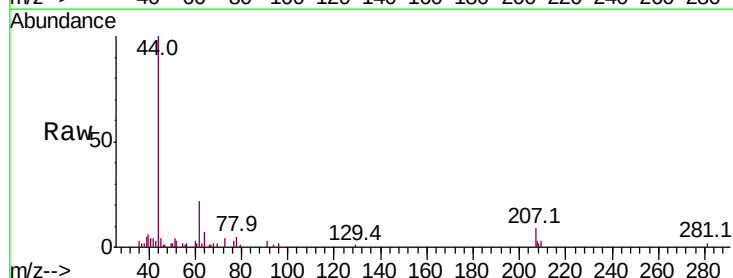
Acq: 28 May 2020 13:38

Tgt Ion: 62 Resp: 1157

Ion Ratio Lower Upper

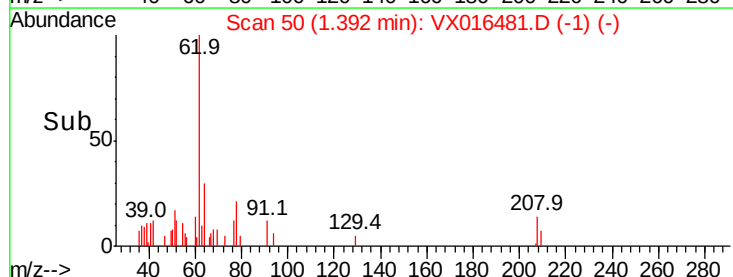
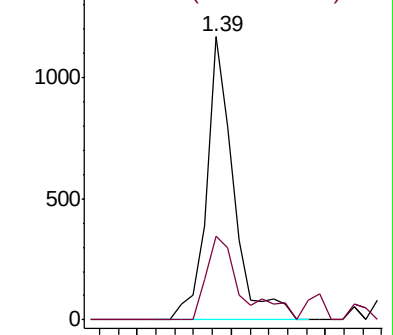
62 100

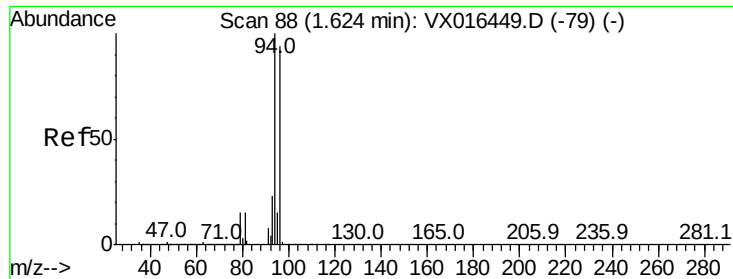
64 29.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.240 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

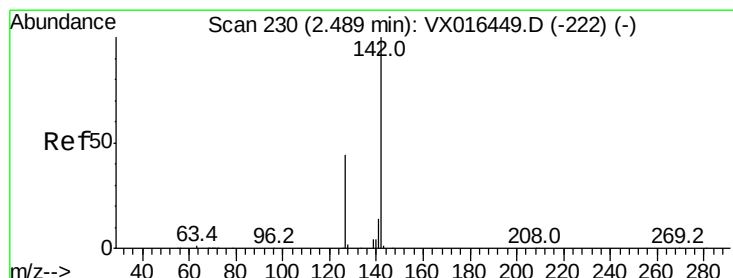
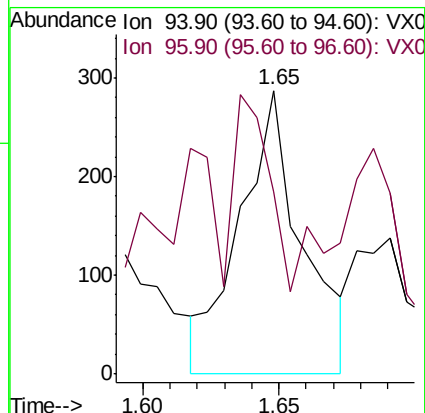
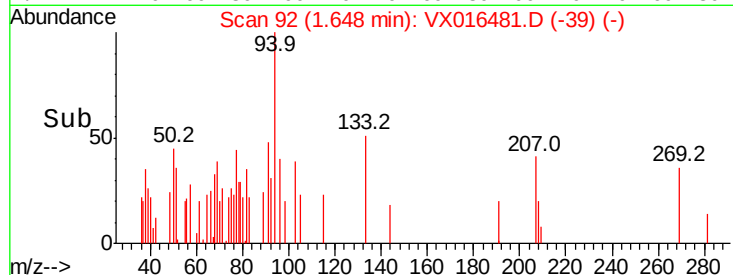
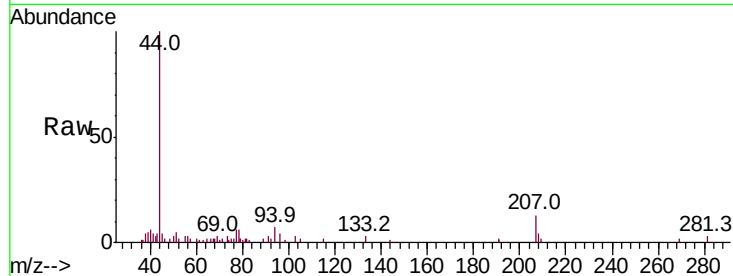
Z2-DUP-0558-200520DL

Tot Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 22.7 75.1 112.7#



#10

Methyl Iodide

Concen: 3.101 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

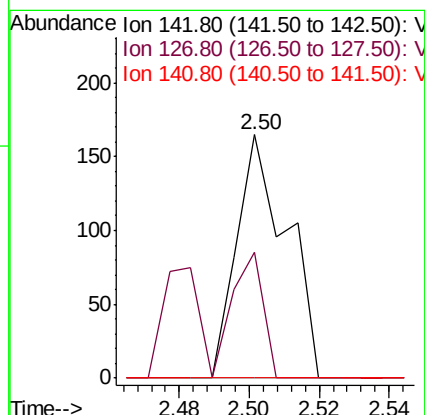
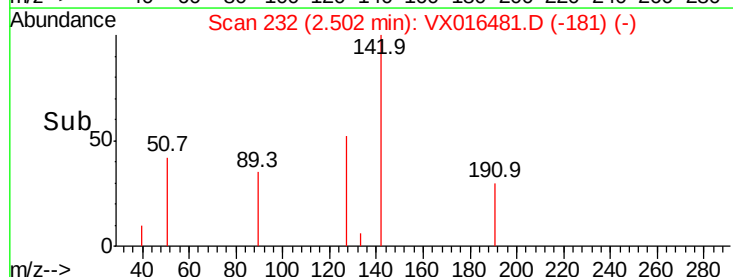
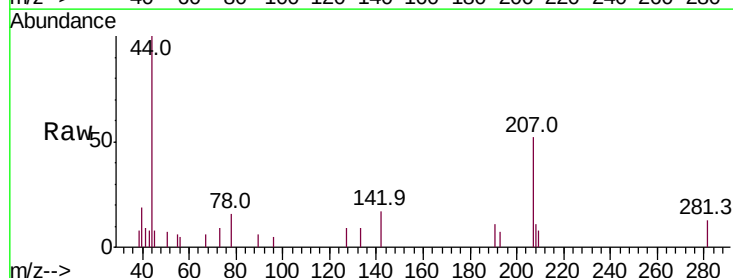
Tgt Ion: 142 Resp: 164

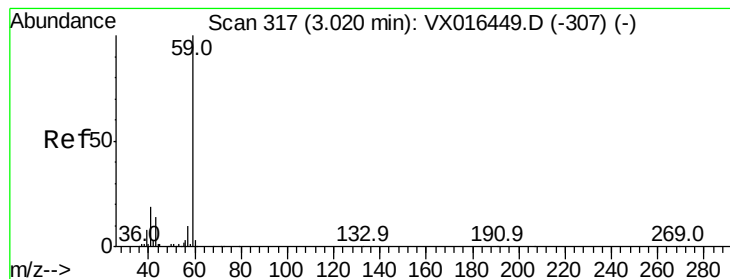
Ion Ratio Lower Upper

142 100

127 32.3 35.3 52.9#

141 0.0 11.4 17.2#



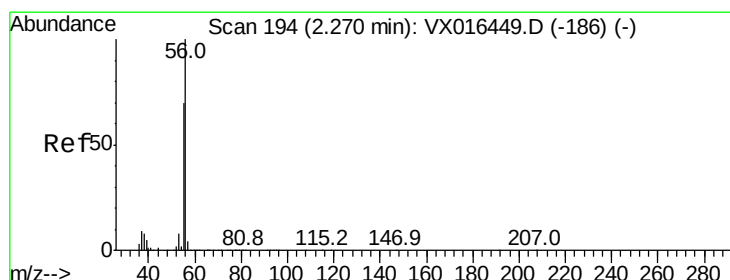
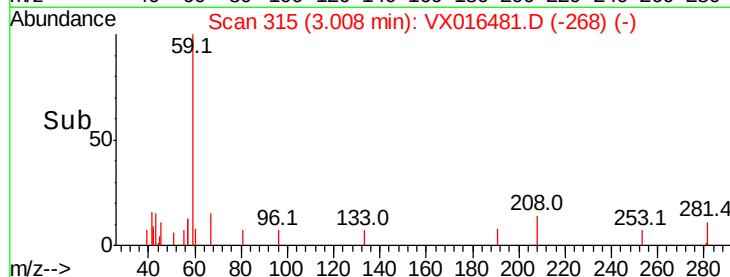
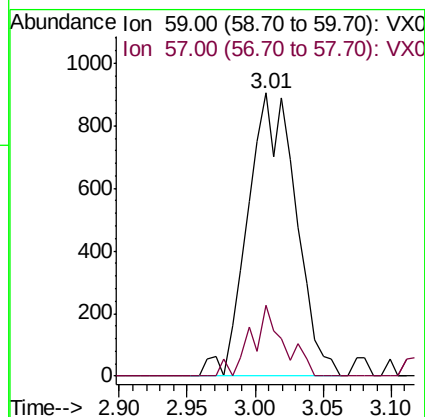
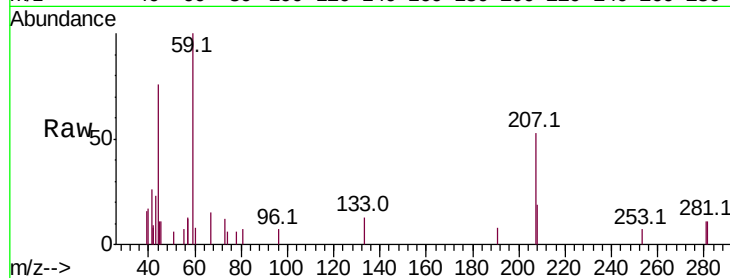


#11

Tert butyl alcohol
Concen: 2.277 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520DL

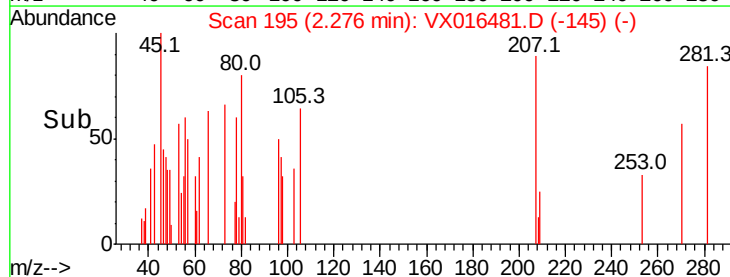
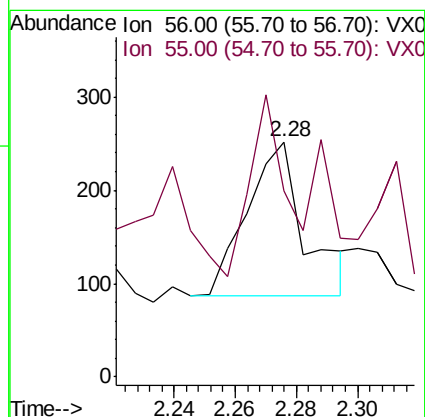
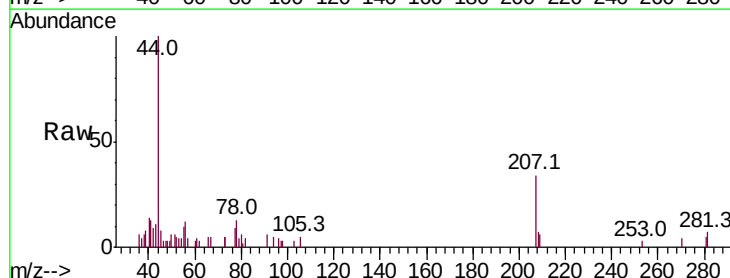
Tot Ion: 59 Resp: 2236
Ion Ratio Lower Upper
59 100
57 17.1 8.2 12.4#

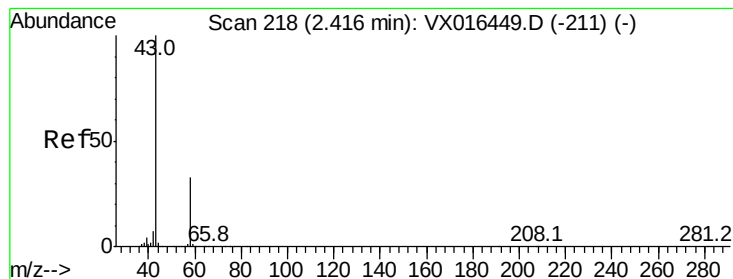


#13

Acrolein
Concen: 0.515 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 83.7 58.3 87.5





#16

Acetone

Concen: 0.812 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

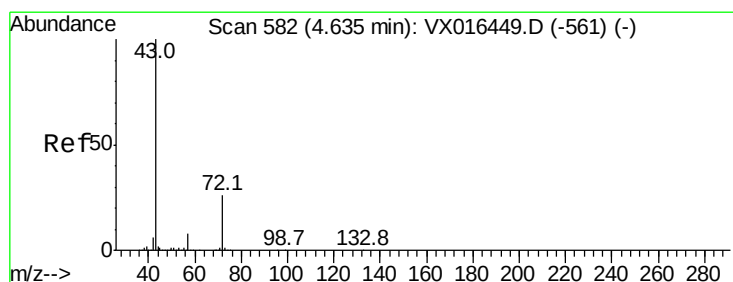
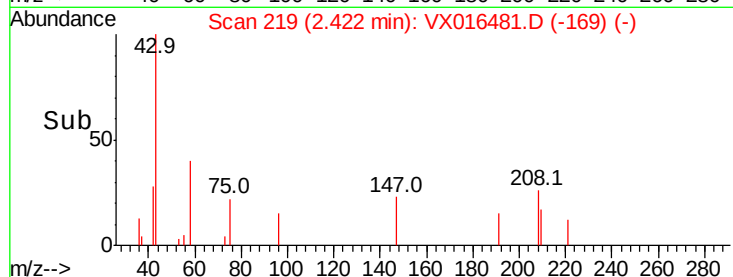
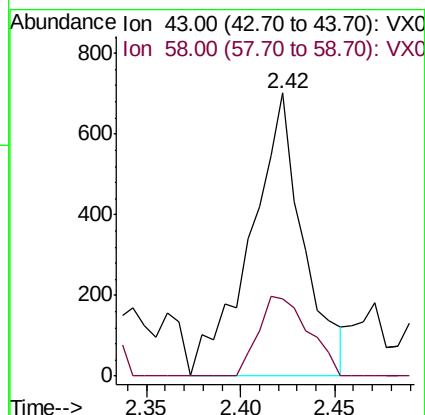
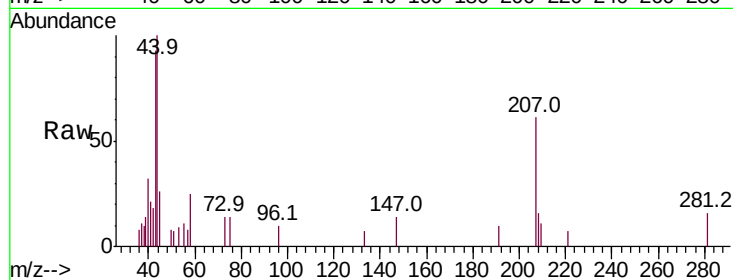
Z2-DUP-0558-200520DL

Tot Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

58 27.4 26.1 39.1



#25

2-Butanone

Concen: 0.237 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016481.D

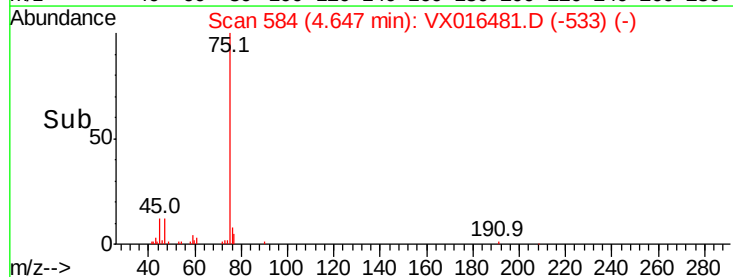
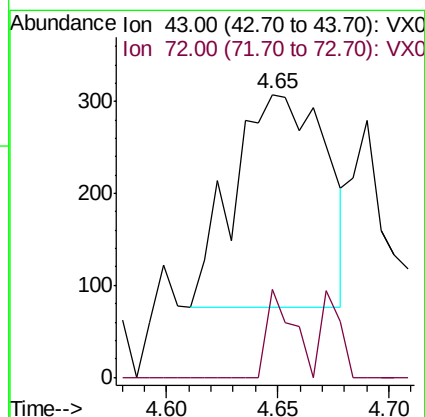
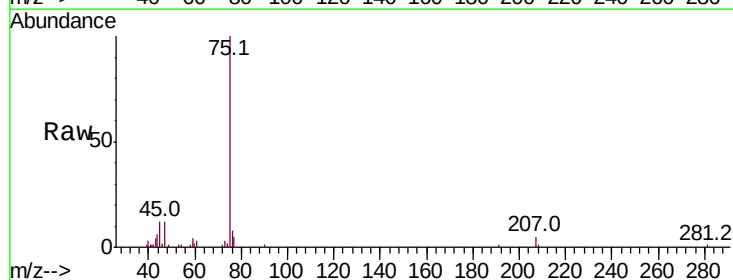
Acq: 28 May 2020 13:38

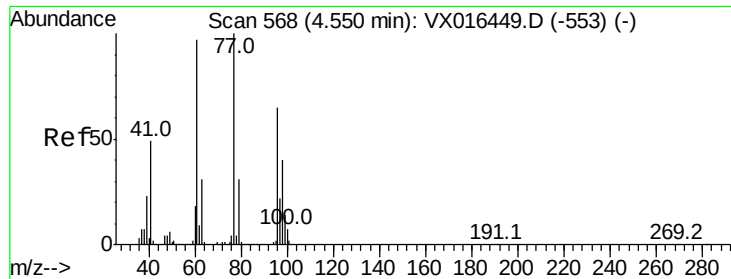
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

72 40.9 21.0 31.6#

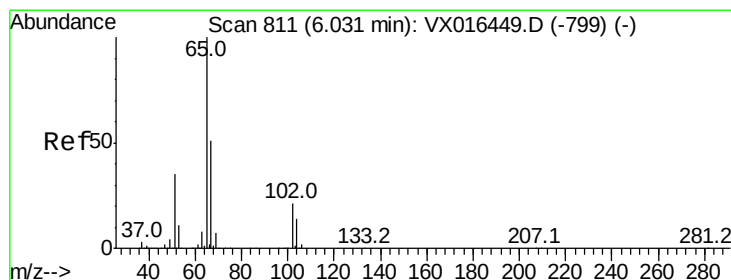
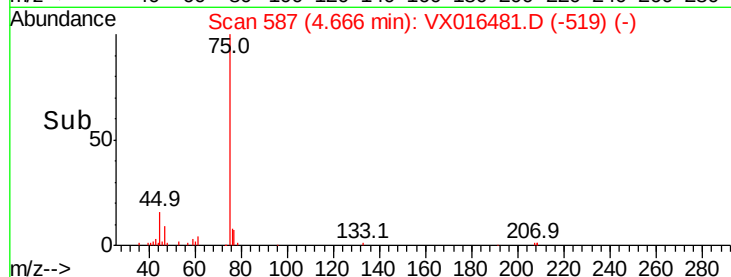
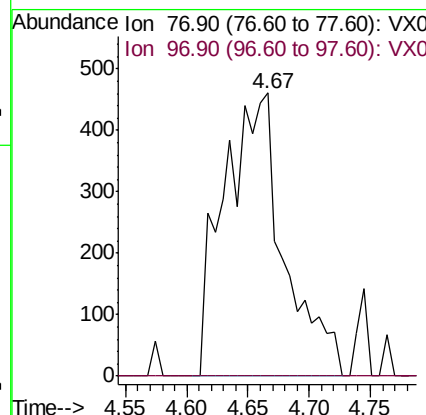
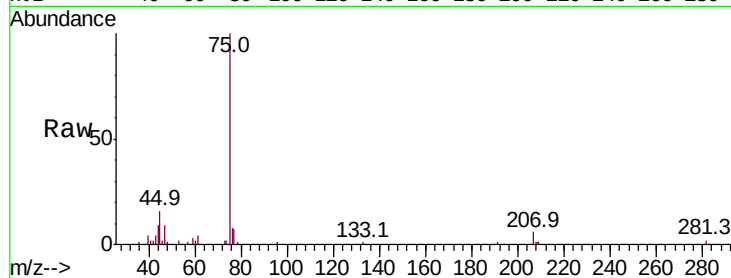




#26
 2,2-Dichloropropane
 Concen: 0.326 ug/l
 RT: 4.67 min Scan# 587
 Delta R.T. 0.12 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

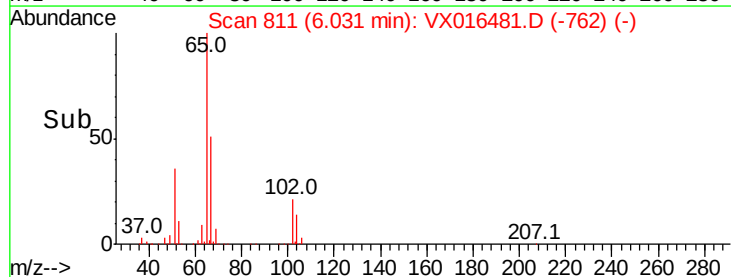
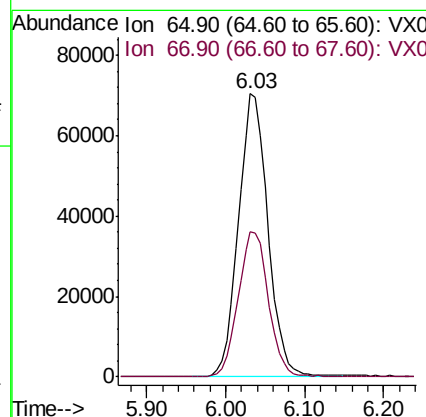
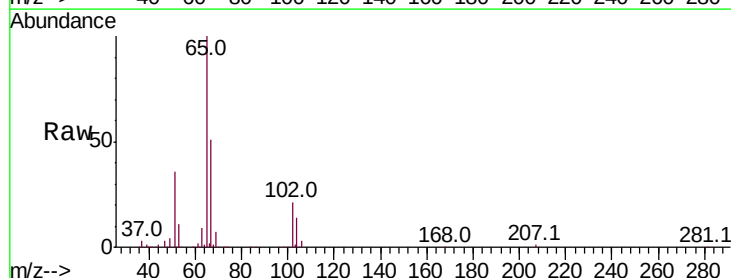
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520DL

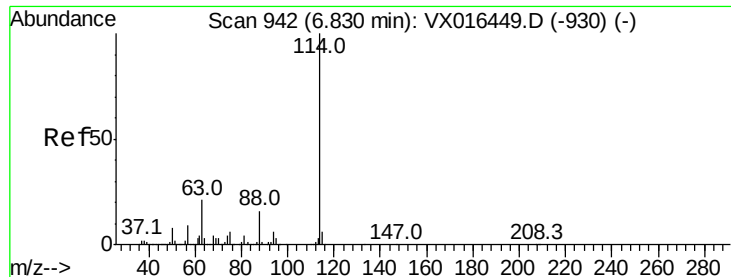
Tot Ion: 77 Resp: 1580
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



#33
 1,2-Dichloroethane-d4
 Concen: 47.839 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

Tgt Ion: 65 Resp: 183207
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8

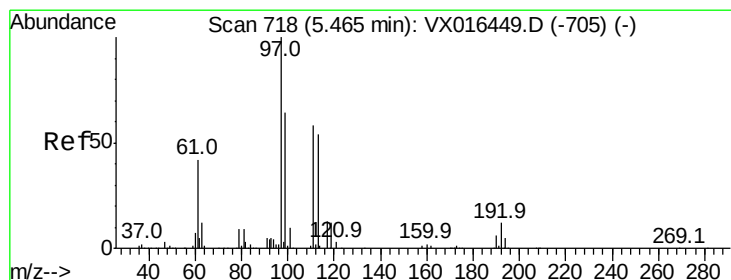
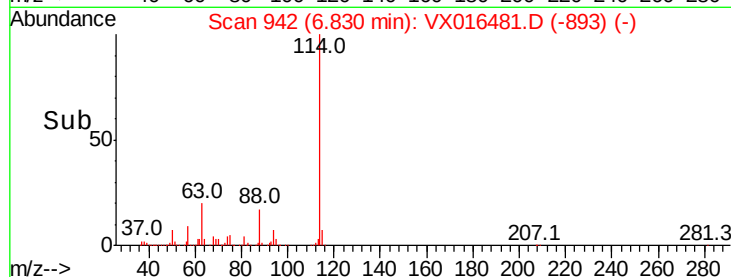
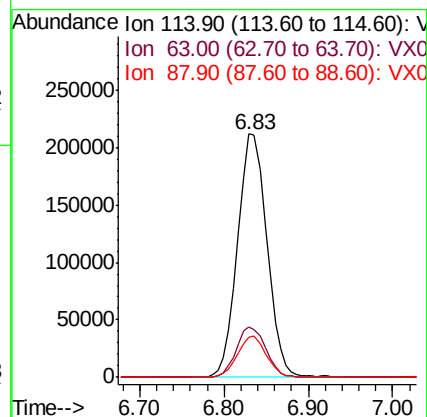
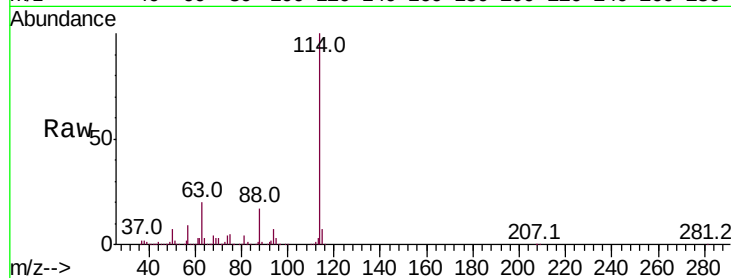




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

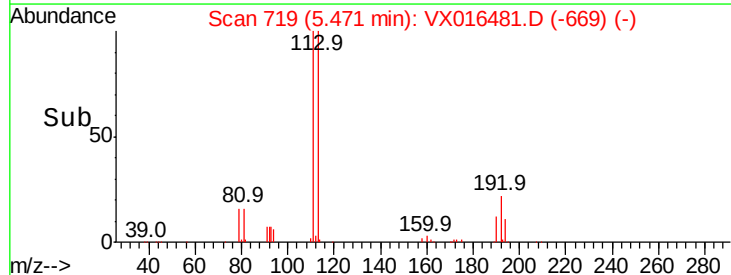
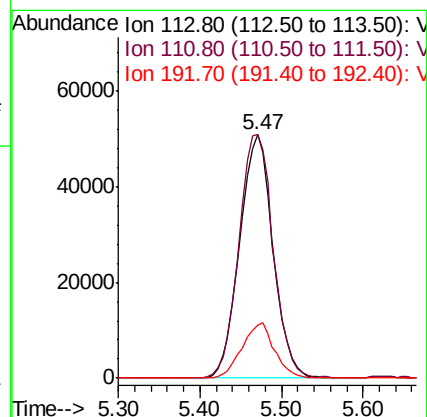
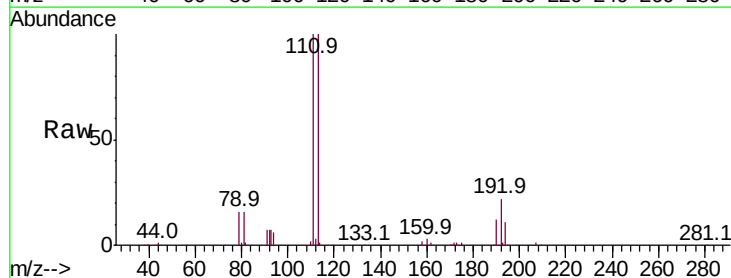
Instrument :
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 Z2-DUP-0558-200520DL

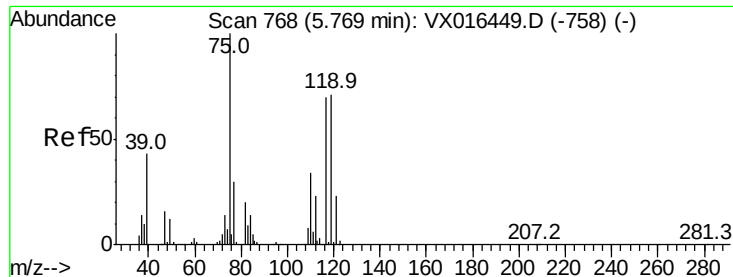
Tot Ion:114 Resp: 501526
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.7 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 46.546 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

Tgt Ion:113 Resp: 143741
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.6
 192 21.9 17.7 26.5





#36

1,1-Dichloropropene

Concen: 4.693 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520DL

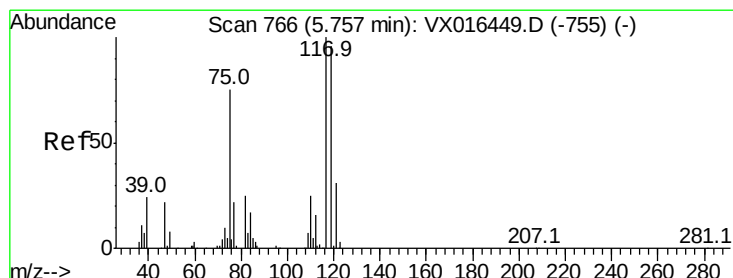
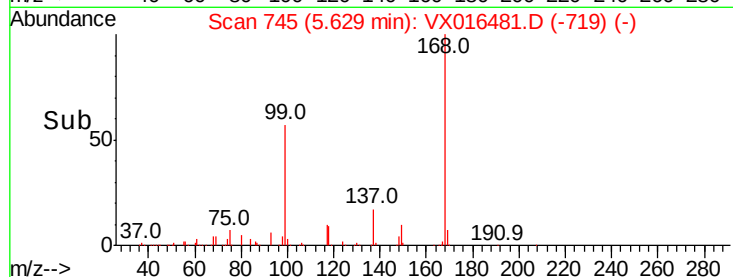
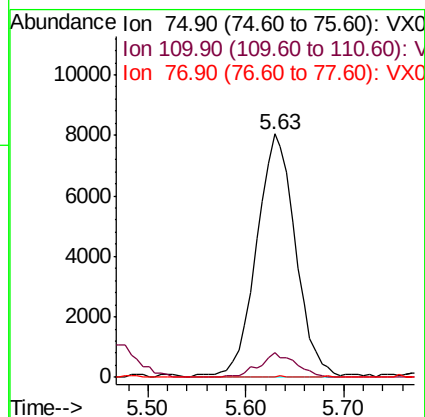
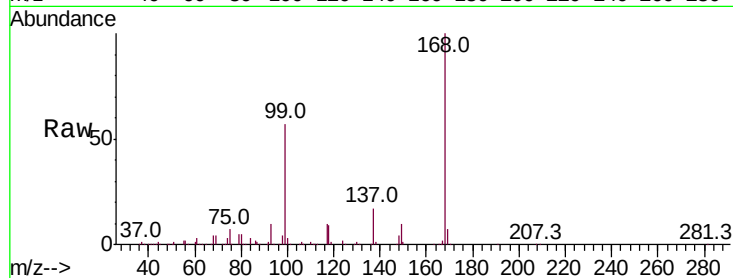
Tot Ion: 75 Resp: 22286

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.1 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.932 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

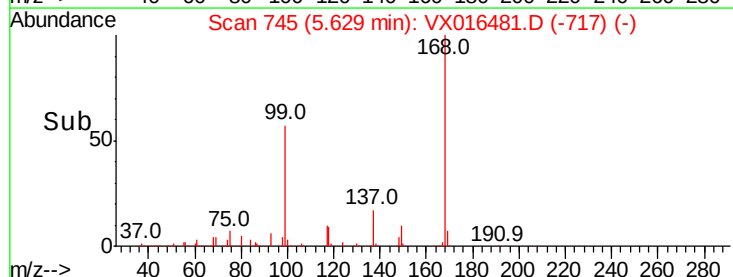
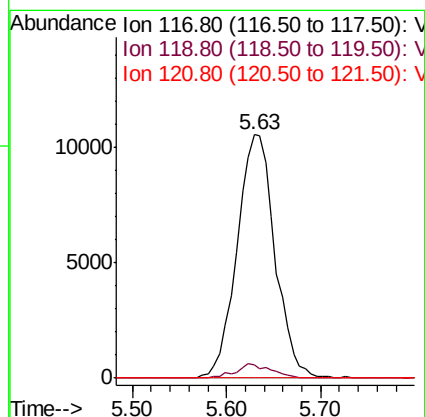
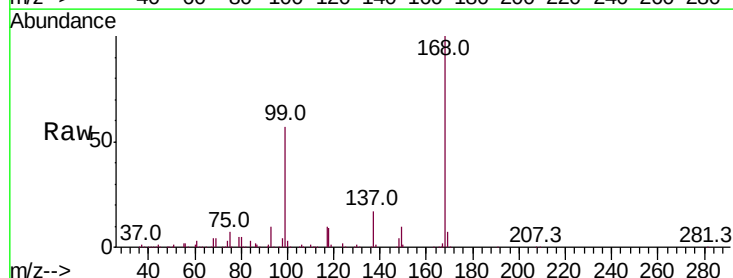
Tgt Ion: 117 Resp: 29603

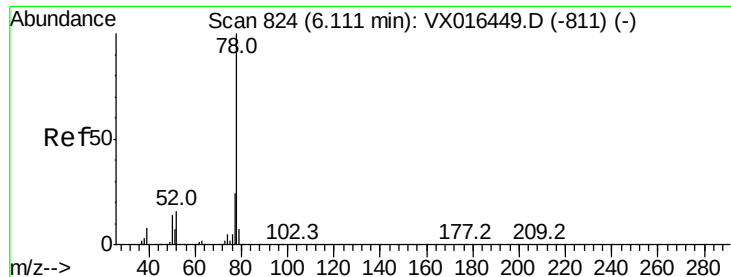
Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

121 0.0 24.6 37.0#





#40

Benzene

Concen: 2.849 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

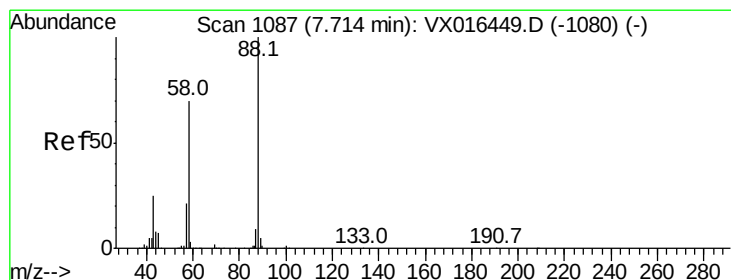
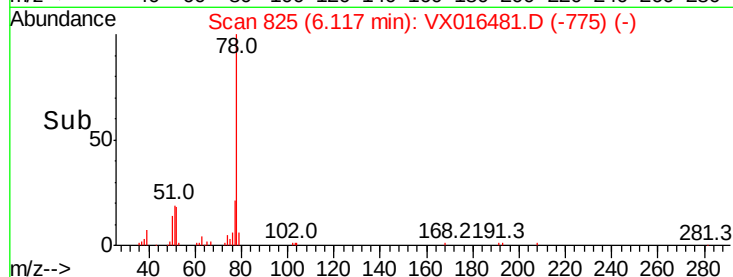
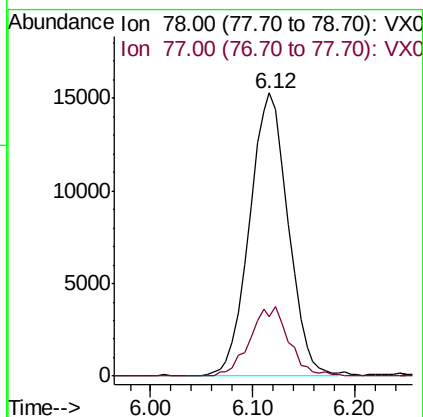
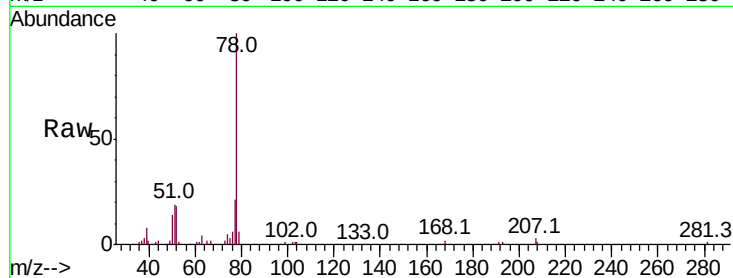
Z2-DUP-0558-200520DL

Tot Ion: 78 Resp: 40282

Ion Ratio Lower Upper

78 100

77 21.2 18.9 28.3



#49

1,4-Dioxane

Concen: 3.763 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

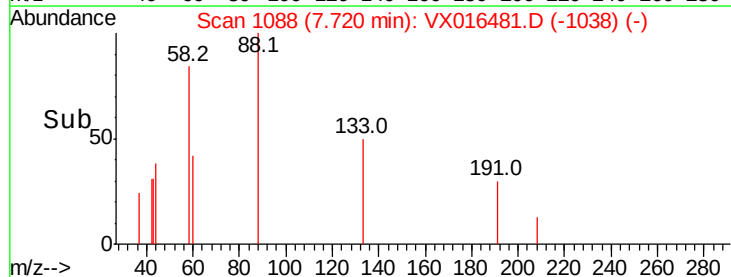
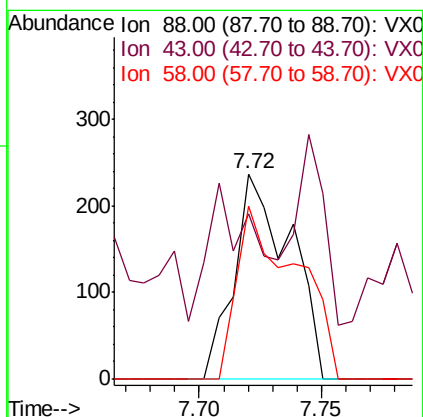
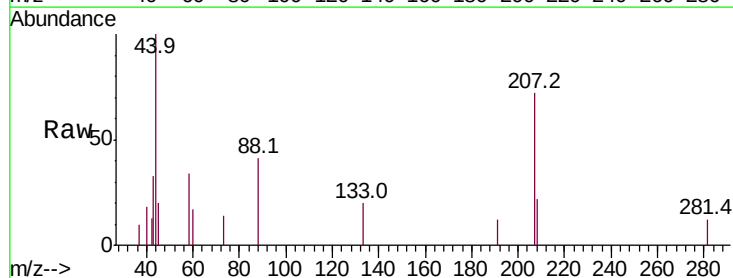
Tgt Ion: 88 Resp: 375

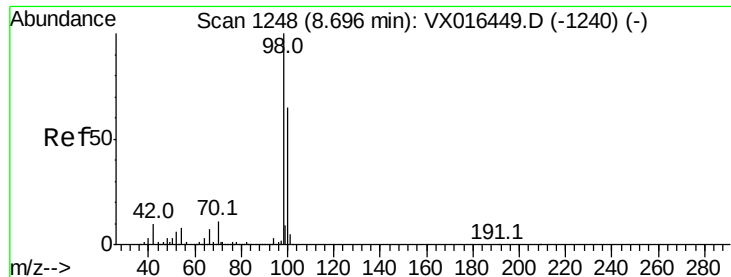
Ion Ratio Lower Upper

88 100

43 76.3 24.2 36.4#

58 89.6 56.5 84.7#

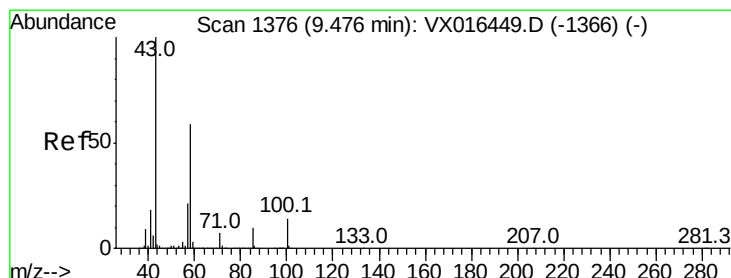
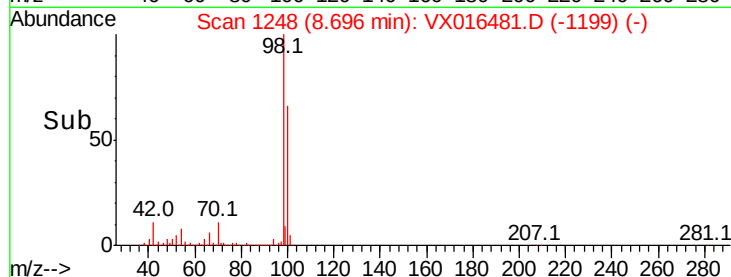
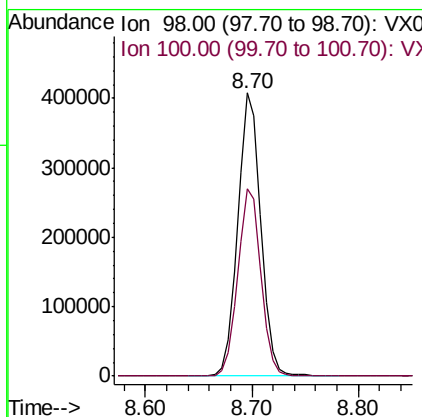
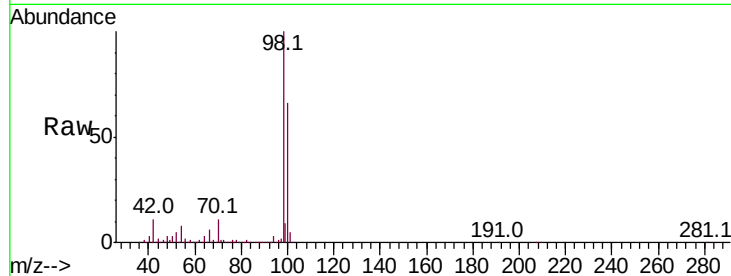




#50
Toluene-d8
Concen: 51.469 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

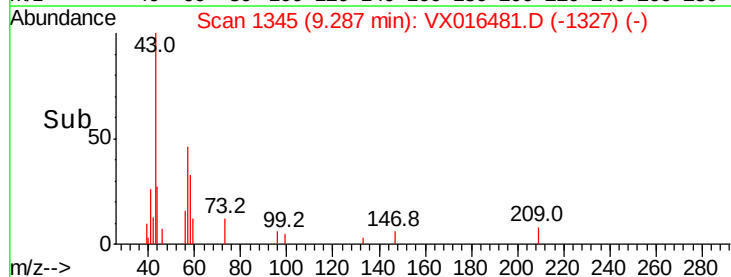
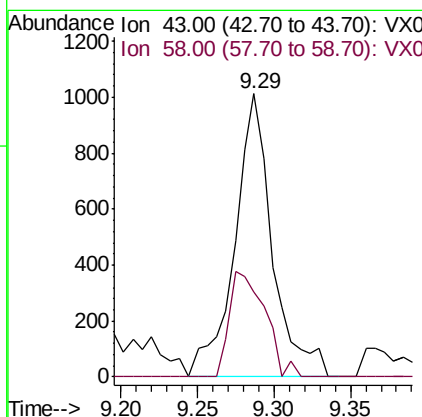
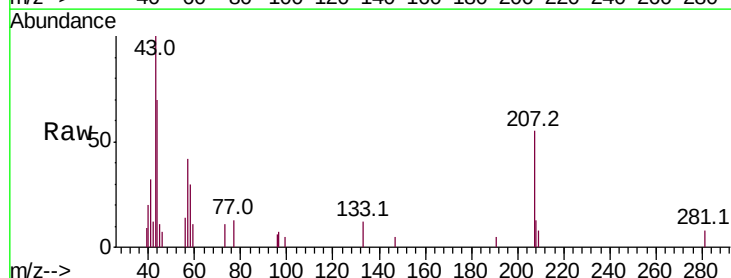
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520DL

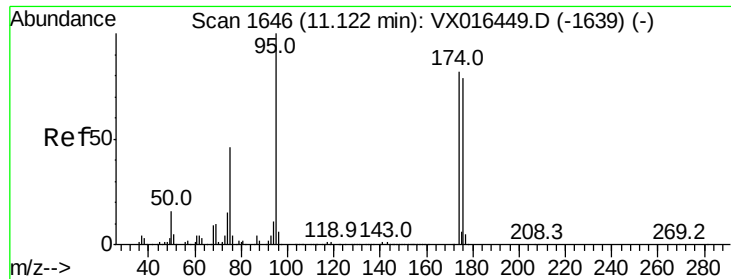
Tot Ion: 98 Resp: 618643
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#59
2-Hexanone
Concen: 0.403 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. -0.19 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
58 35.0 28.8 86.4





#62

4-Bromofluorobenzene

Concen: 53.645 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520DL

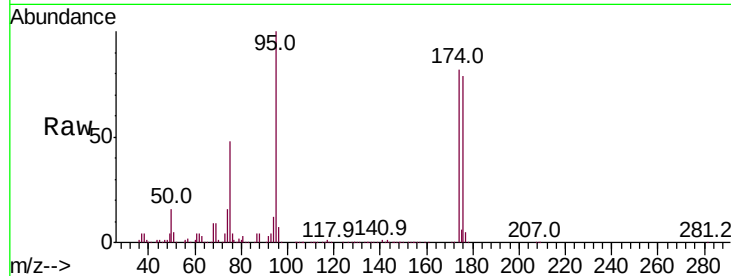
Tot Ion: 95 Resp: 249148

Ion Ratio Lower Upper

95 100

174 81.5 0.0 163.0

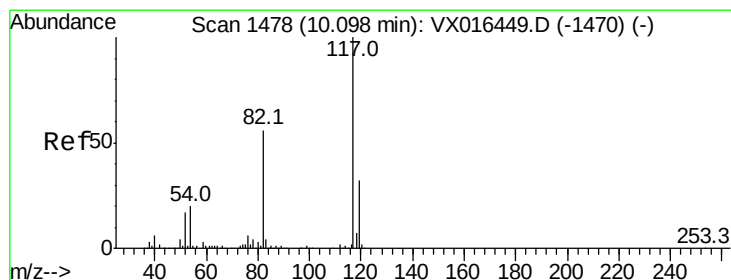
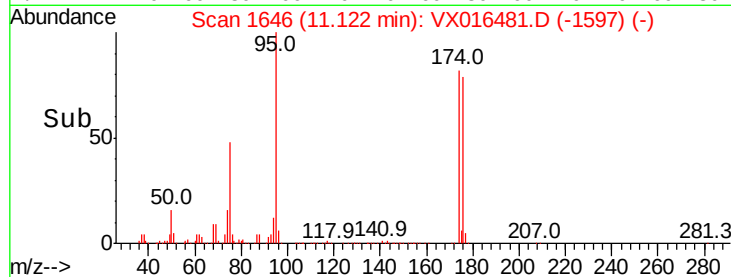
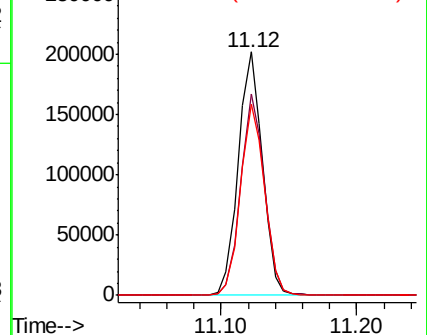
176 78.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

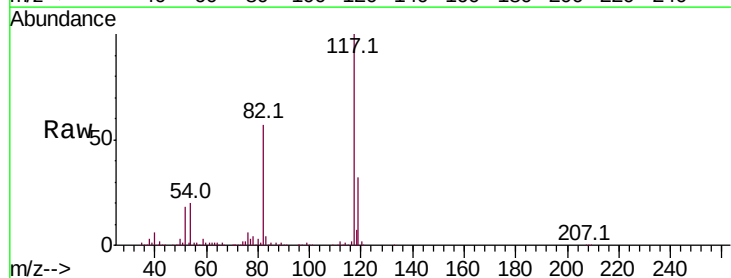
Tgt Ion: 117 Resp: 493305

Ion Ratio Lower Upper

117 100

82 56.6 45.0 67.6

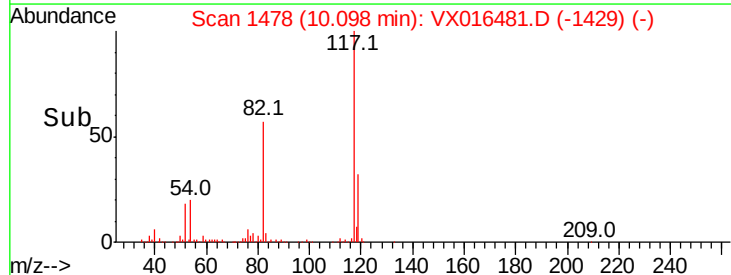
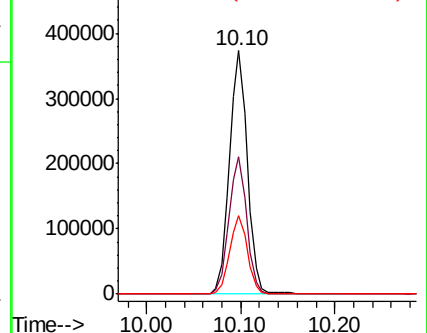
119 32.4 25.8 38.8

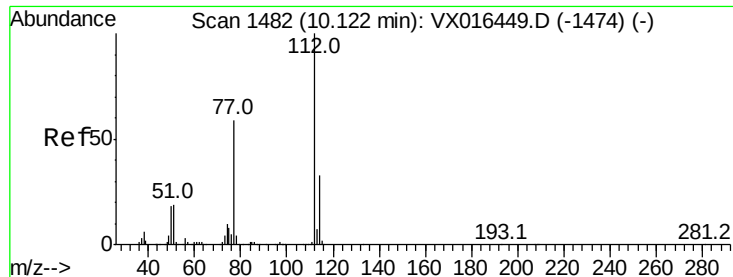


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

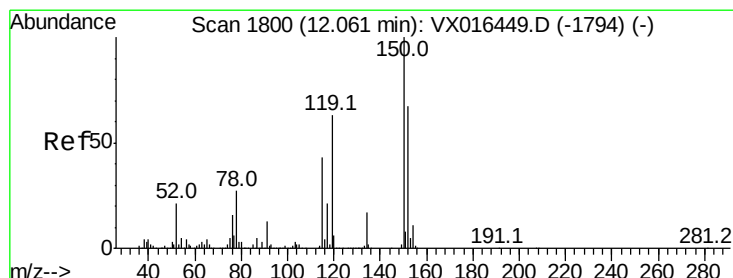
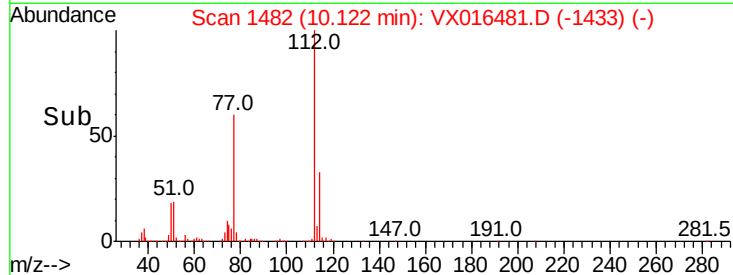
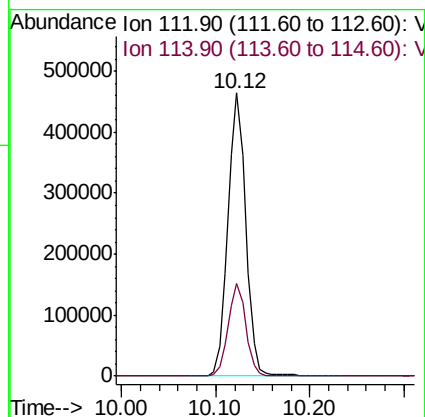
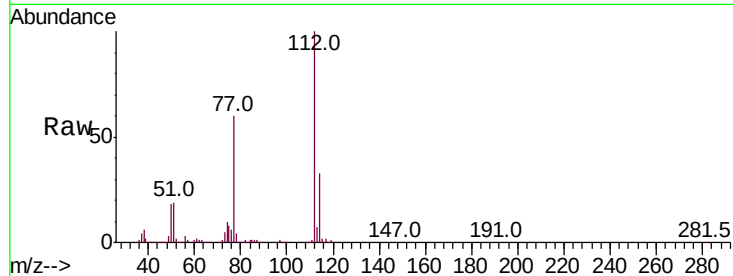




#65
Chlorobenzene
Concen: 60.704 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

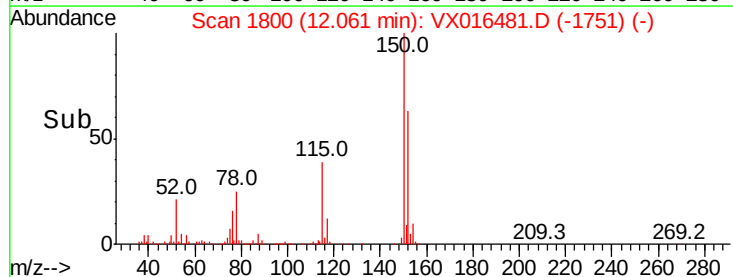
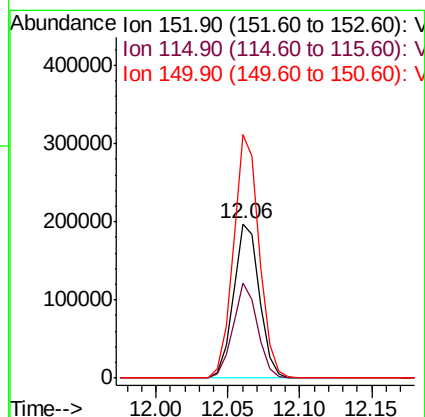
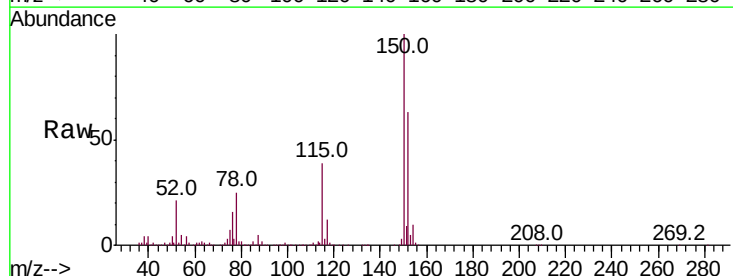
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520DL

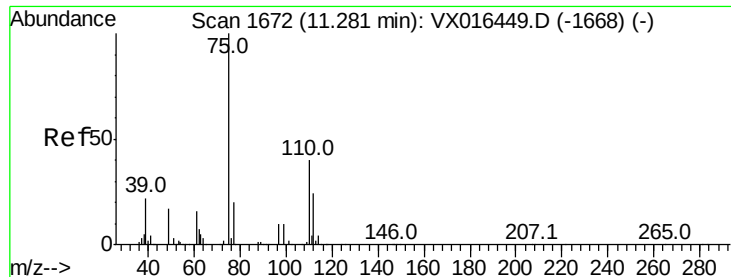
Tot Ion:112 Resp: 610508
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016481.D
Acq: 28 May 2020 13:38

Tgt Ion:152 Resp: 248930
Ion Ratio Lower Upper
152 100
115 58.4 39.9 119.6
150 156.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.225 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

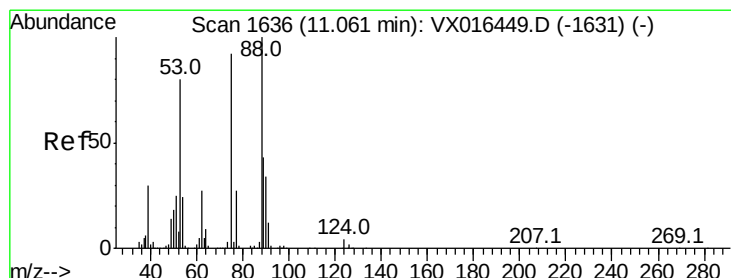
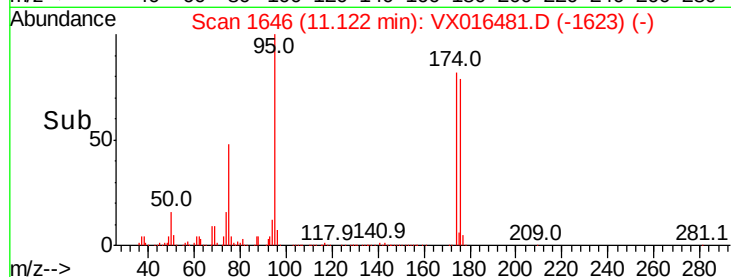
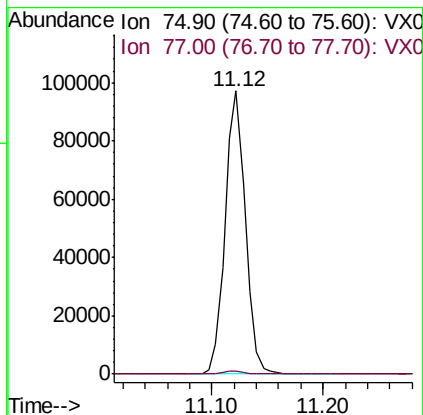
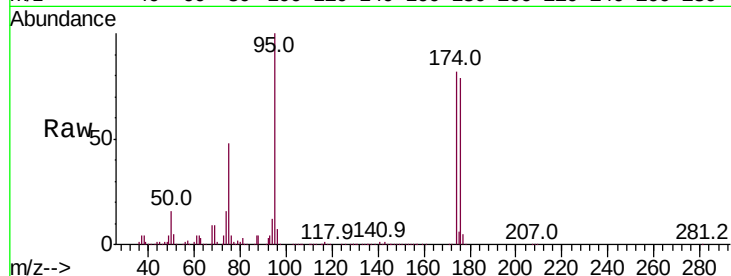
Z2-DUP-0558-200520DL

Tot Ion: 75 Resp: 121607

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.670 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

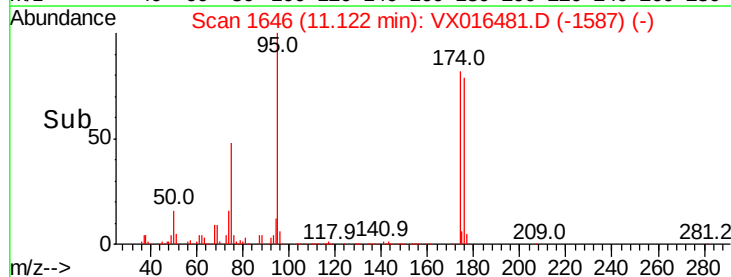
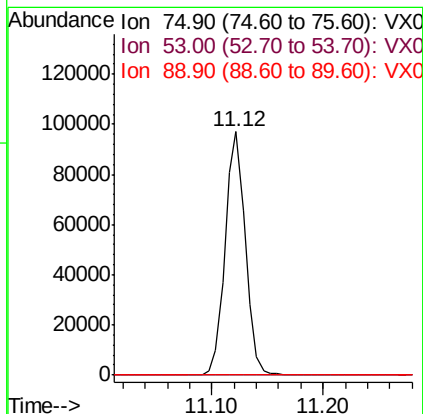
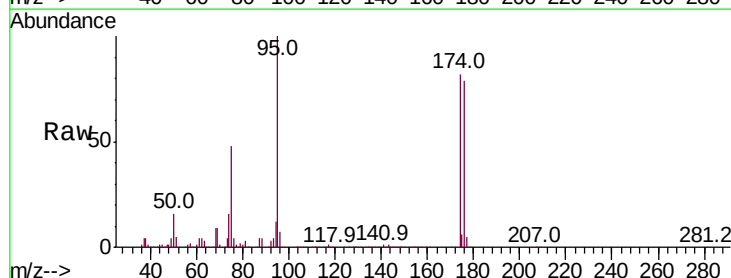
Tgt Ion: 75 Resp: 121607

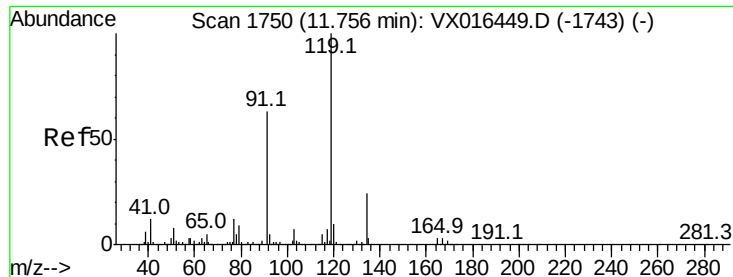
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

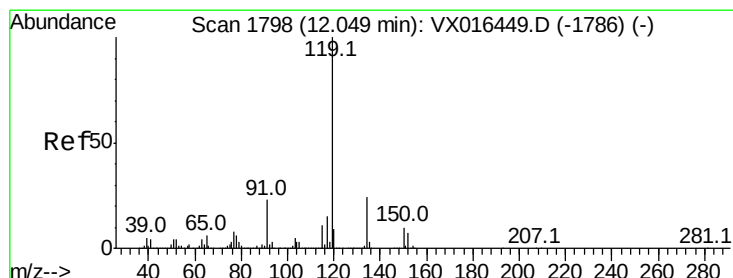
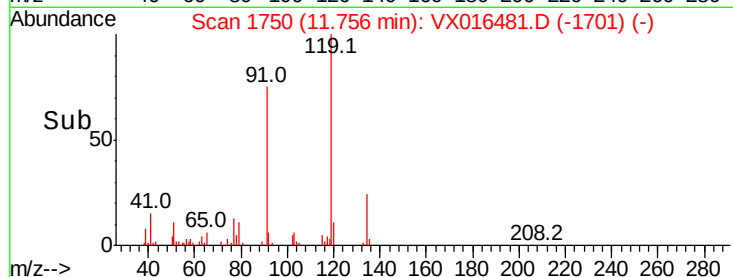
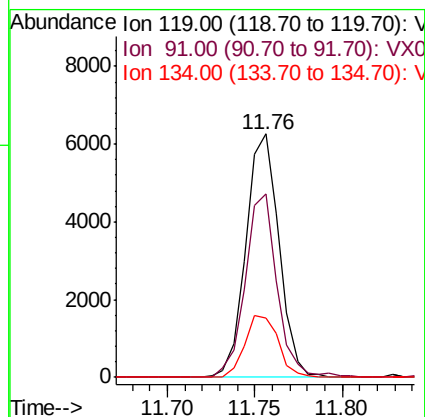
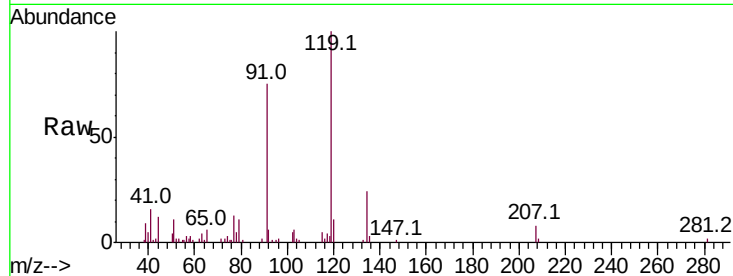




#83
 tert-Butylbenzene
 Concen: 0.671 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

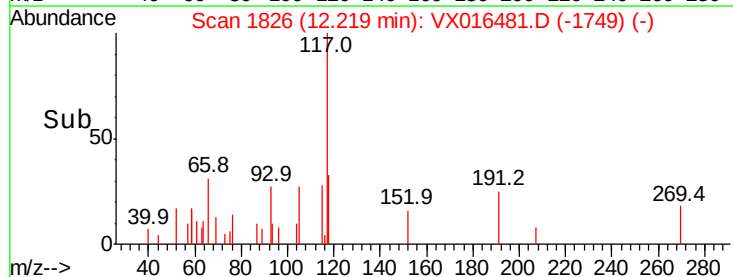
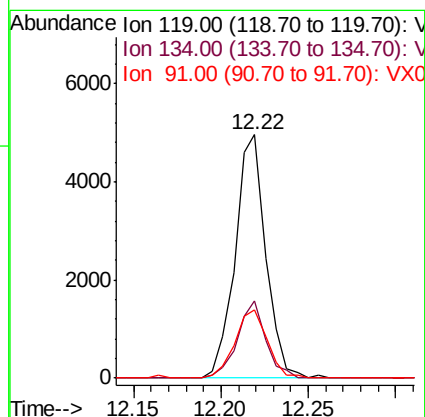
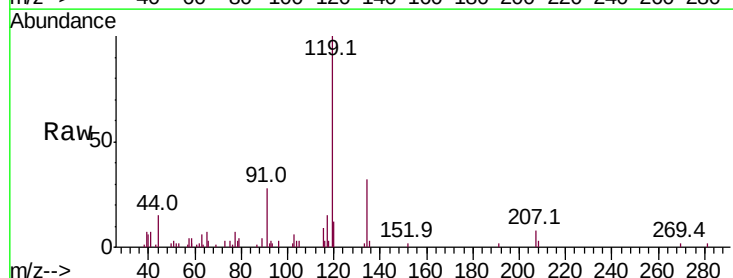
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520DL

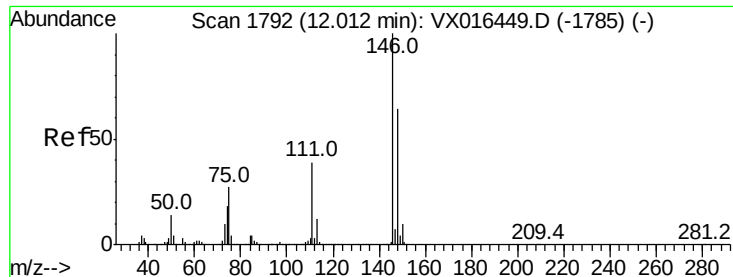
Tot Ion:	119	Resp:	8261
Ion	Ratio	Lower	Upper
119	100		
91	72.5	31.3	93.8
134	25.7	12.0	36.0



#86
 p-Isopropyltoluene
 Concen: 0.417 ug/l
 RT: 12.22 min Scan# 1826
 Delta R.T. 0.17 min
 Lab File: VX016481.D
 Acq: 28 May 2020 13:38

Tgt Ion:	119	Resp:	6026
Ion	Ratio	Lower	Upper
119	100		
134	29.2	12.7	38.0
91	29.6	11.7	35.0





#87

1,3-Dichlorobenzene

Concen: 0.627 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

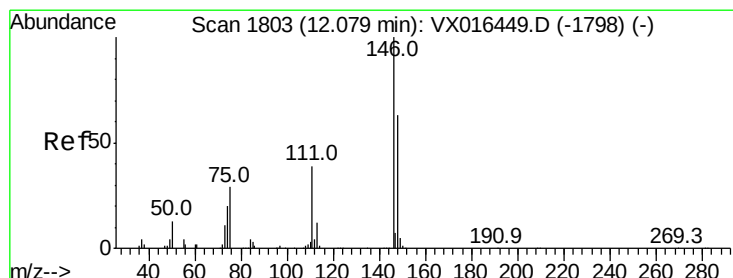
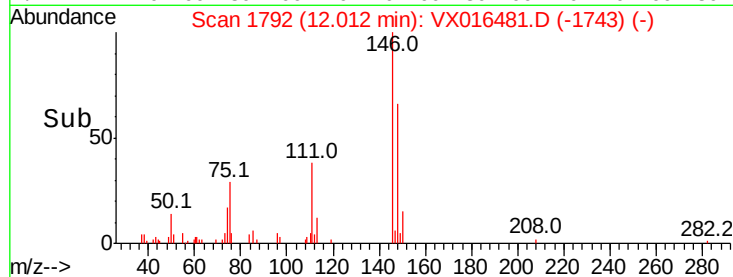
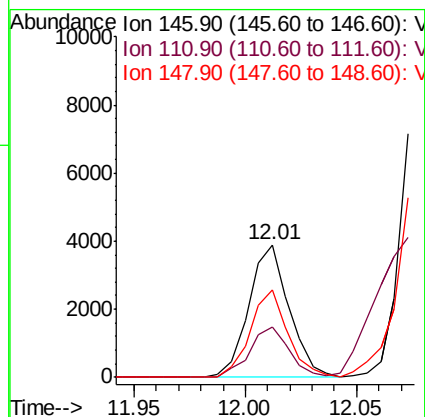
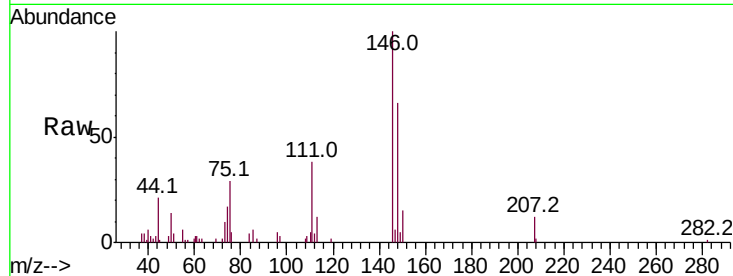
Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520DL

Tot Ion:146	Resp:	4915
Ion	Ratio	Lower Upper
146	100	
111	37.6	20.0 60.0
148	61.0	31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 0.613 ug/l

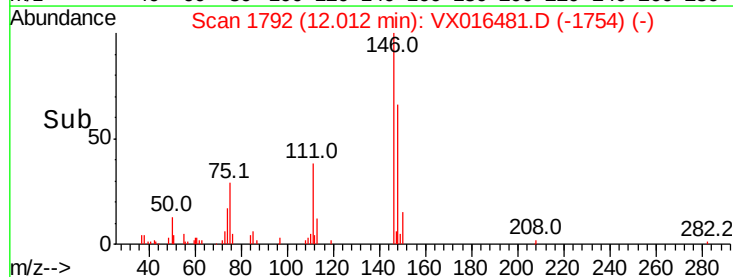
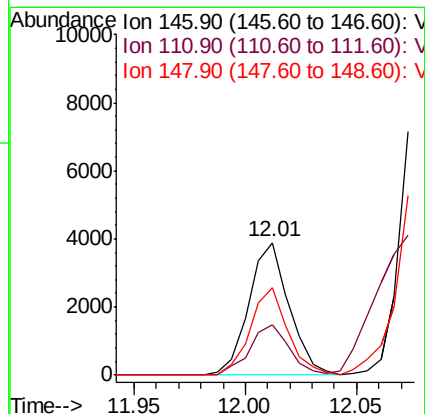
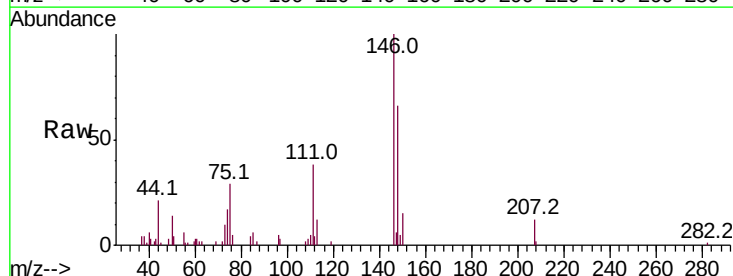
RT: 12.01 min Scan# 1792

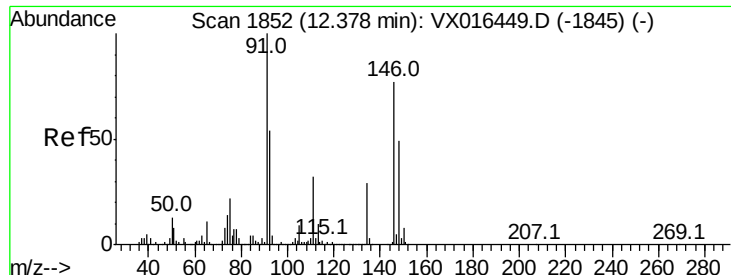
Delta R.T. -0.07 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Tgt Ion:146	Resp:	4915
Ion	Ratio	Lower Upper
146	100	
111	37.6	19.4 58.2
148	61.0	31.4 94.3





#91

1,2-Dichlorobenzene

Concen: 3.395 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016481.D

Acq: 28 May 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520DL

Tot Ion:146 Resp: 25776

Ion Ratio Lower Upper

146 100

111 42.0 21.4 64.3

148 62.8 31.9 95.7

