

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061721\
 Data File : VX022745.D
 Acq On : 17 Jun 2021 17:02
 Operator : JC/MD
 Sample : M2750-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20210615

Quant Time: Jun 18 01:18:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

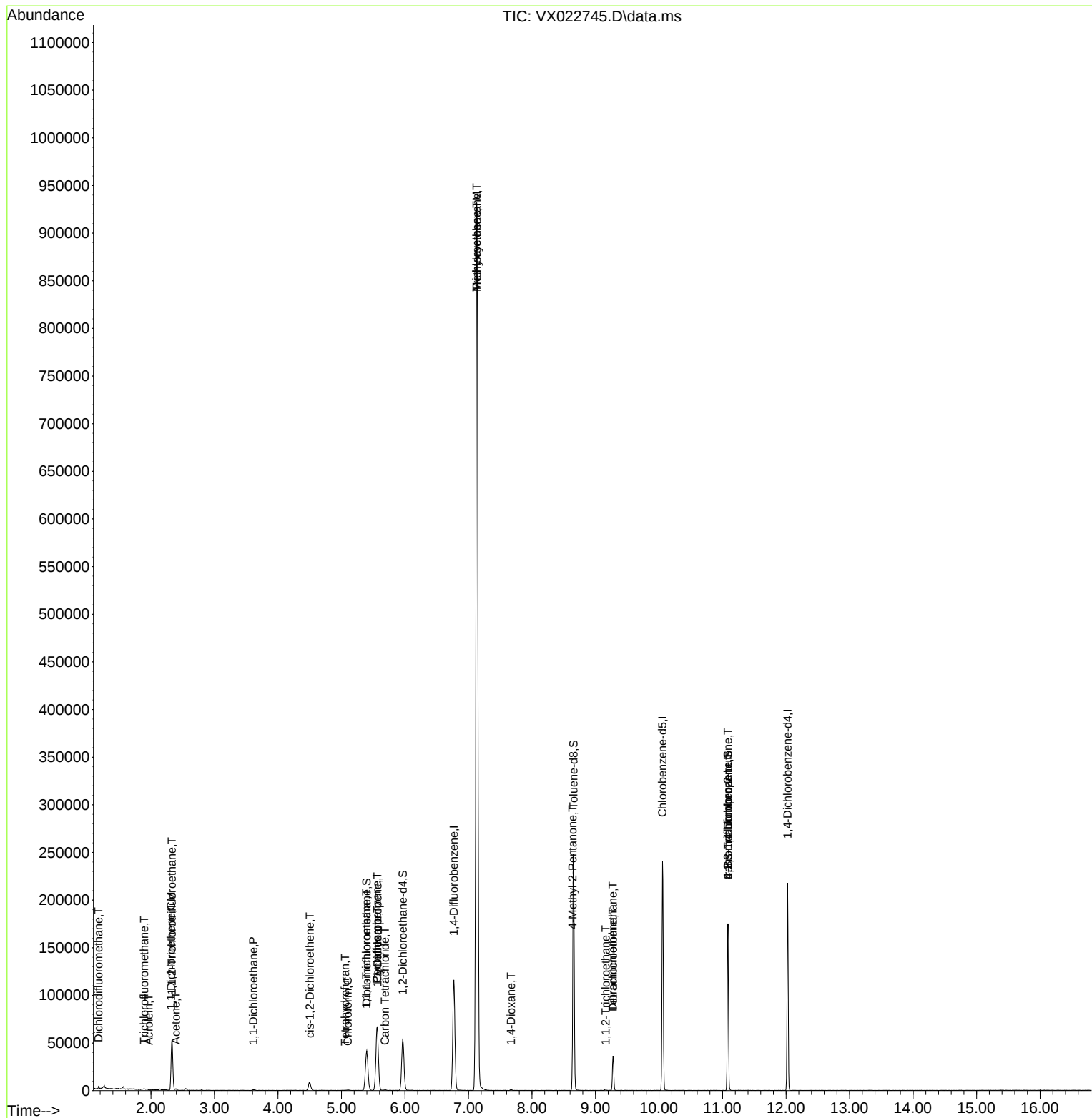
Internal Standards						
1) Pentafluorobenzene	5.556	168	56009	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	112289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36855	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	48483	48.13	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.26%
35) Dibromofluoromethane	5.397	113	34977	48.82	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.64%
50) Toluene-d8	8.653	98	140715	49.82	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.64%
62) 4-Bromofluorobenzene	11.085	95	46767	43.78	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.56%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	484	0.74	ug/l	# 57
7) Trichlorofluoromethane	1.892	101	357	0.32	ug/l	# 59
9) 1,1,2-Trichlorotrifluo...	2.331	101	17001	24.80	ug/l	89
12) 1,1-Dichloroethene	2.319	96	4715	6.93	ug/l	91
13) Acrolein	1.965	56	21	0.21	ug/l	# 14
16) Acetone	2.392	43	1024	2.27	ug/l	# 78
20) Methylene Chloride	2.800	84	221	Below Cal	#	62
24) 1,1-Dichloroethane	3.611	63	1357	0.90	ug/l	# 87
27) cis-1,2-Dichloroethene	4.501	96	4748	5.17	ug/l	99
29) Tetrahydrofuran	5.056	42	142	0.33	ug/l	# 27
30) Chloroform	5.099	83	426	0.28	ug/l	# 82
31) Cyclohexane	5.562	56	1682	1.38	ug/l	# 37
32) 1,1,1-Trichloroethane	5.391	97	216	1.07	ug/l	# 46
36) 1,1-Dichloropropene	5.568	75	5589	5.00	ug/l	# 48
38) Carbon Tetrachloride	5.684	117	511	0.53	ug/l	# 72
39) Methylcyclohexane	7.129	83	4465	3.83	ug/l	# 1
44) Trichloroethene	7.129	130	323372	413.84	ug/l	89
49) 1,4-Dioxane	7.671	88	736	35.87	ug/l	# 75
51) 4-Methyl-2-Pentanone	8.641	43	709	0.50	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	480	0.57	ug/l	# 74
60) Dibromochloromethane	9.275	129	6259	10.21	ug/l	# 11
64) Tetrachloroethene	9.275	164	6161	9.70	ug/l	# 82
76) 1,2,3-Trichloropropane	11.085	75	26582	27.20	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	26582	67.97	ug/l	# 12

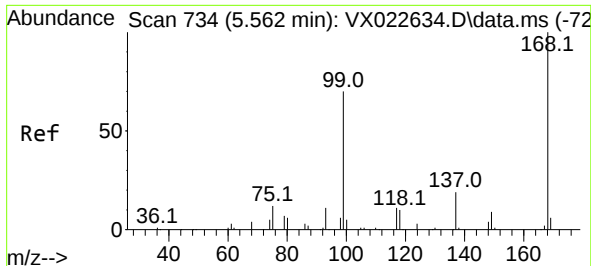
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
Response via : Initial Calibration

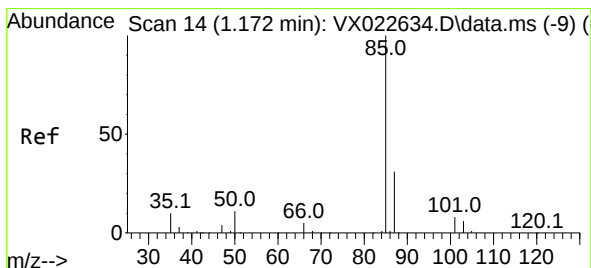
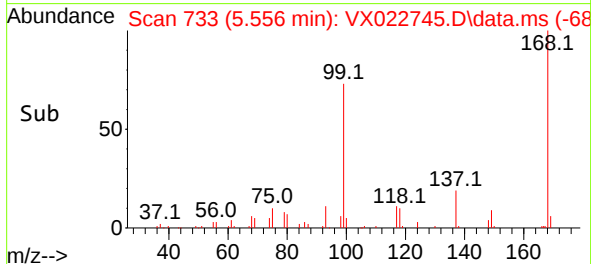
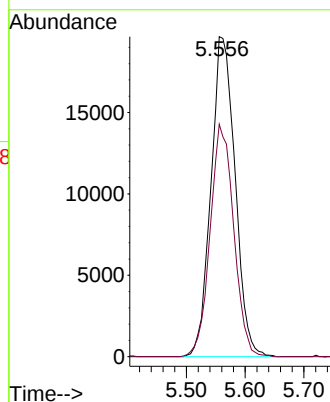
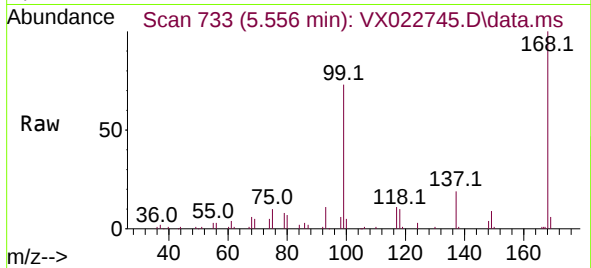




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

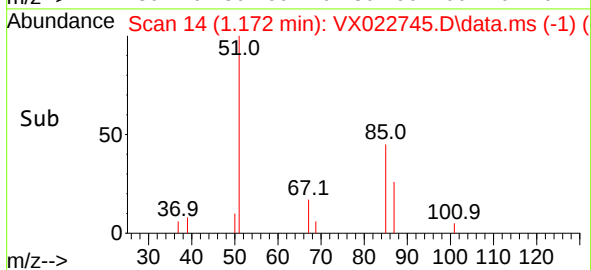
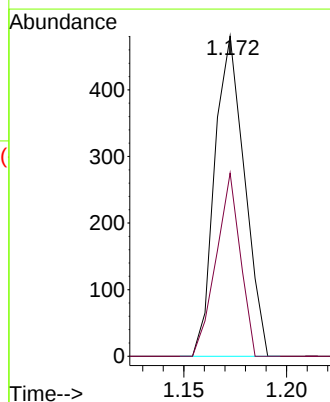
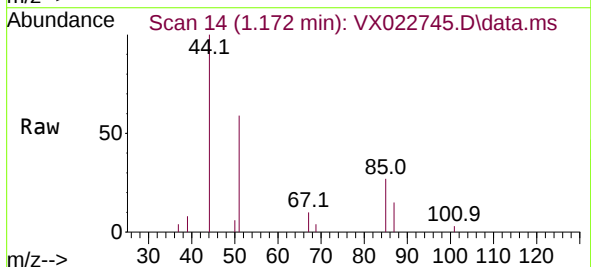
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

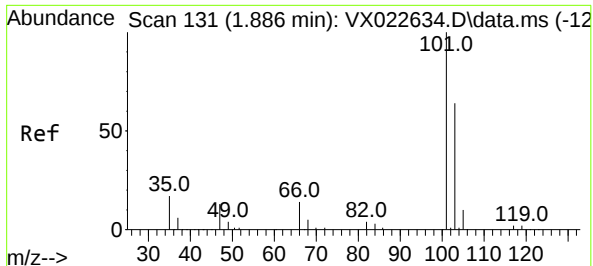
Tgt Ion:168 Resp: 56009
Ion Ratio Lower Upper
168 100
99 72.7 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.74 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 85 Resp: 484
Ion Ratio Lower Upper
85 100
87 57.2 16.4 49.2#

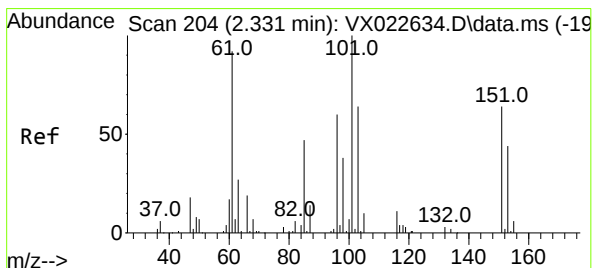
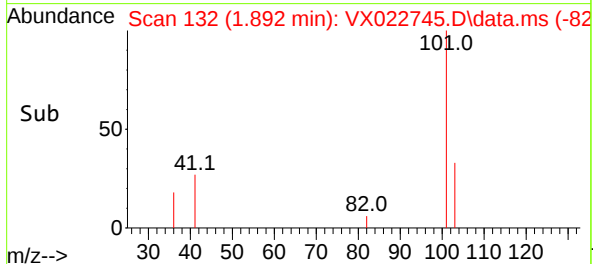
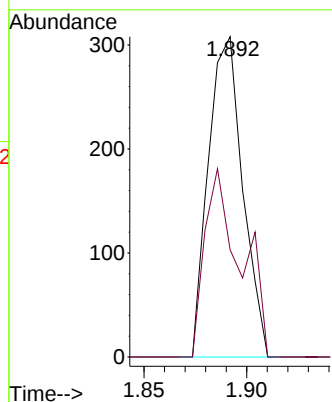
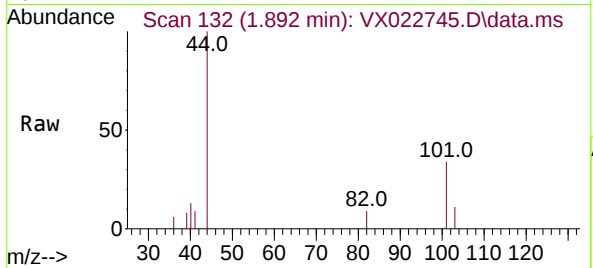




#7
Trichlorofluoromethane
Concen: 0.32 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

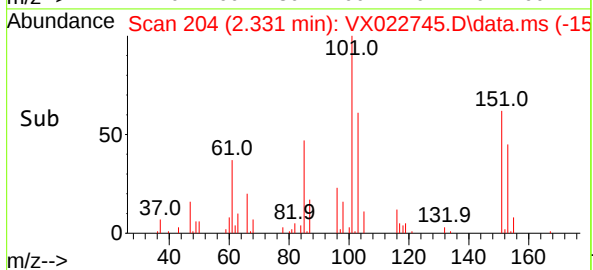
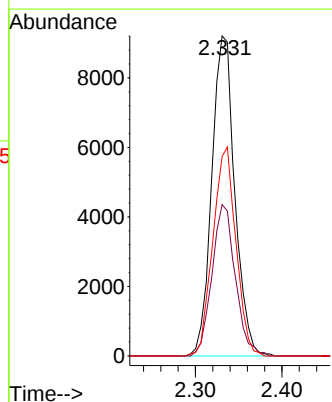
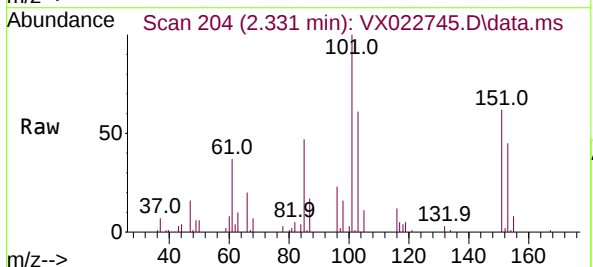
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

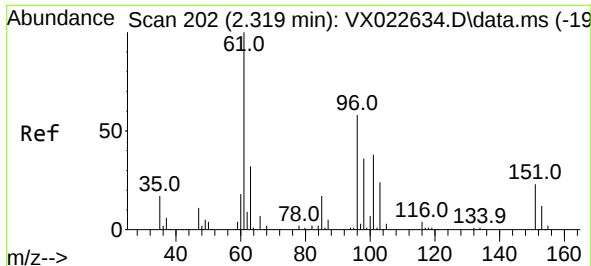
Tgt Ion:101 Resp: 357
Ion Ratio Lower Upper
101 100
103 33.4 53.2 79.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.80 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion:101 Resp: 17001
Ion Ratio Lower Upper
101 100
85 47.9 34.9 52.3
151 65.3 61.4 92.2





#12

1,1-Dichloroethene

Concen: 6.93 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

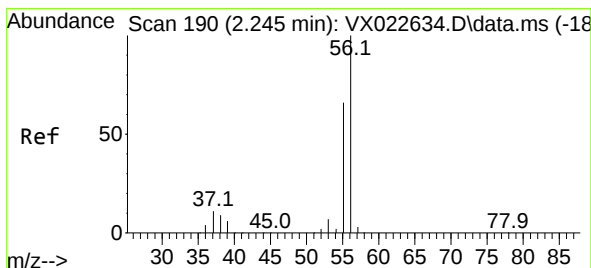
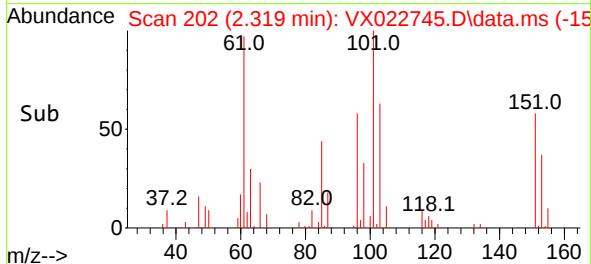
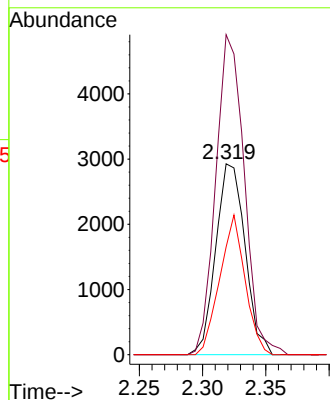
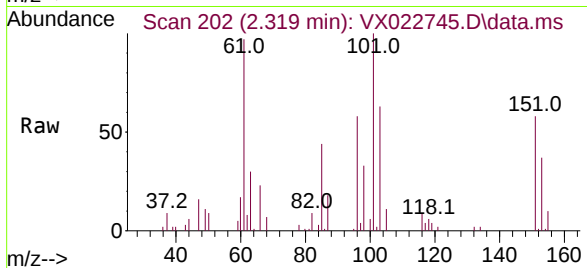
Tgt Ion: 96 Resp: 4715

Ion Ratio Lower Upper

96 100

61 167.7 124.6 187.0

98 56.5 50.6 76.0



#13

Acrolein

Concen: 0.21 ug/l

RT: 1.965 min Scan# 144

Delta R.T. -0.274 min

Lab File: VX022745.D

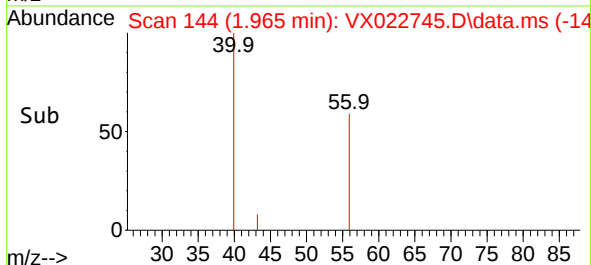
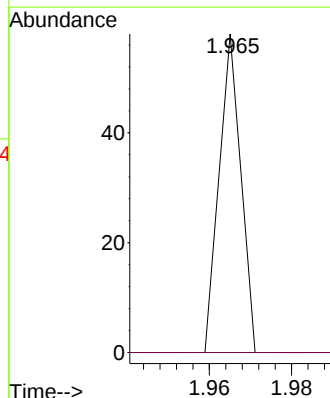
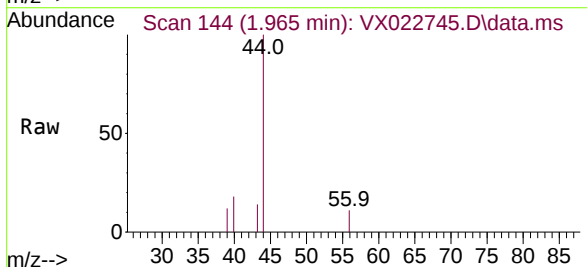
Acq: 17 Jun 2021 17:02

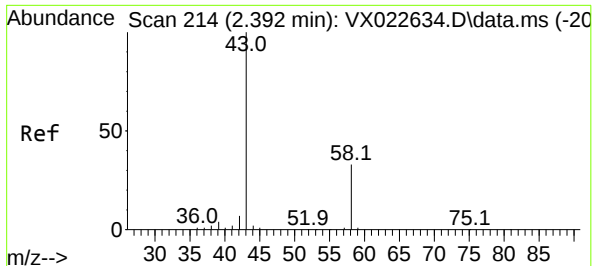
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

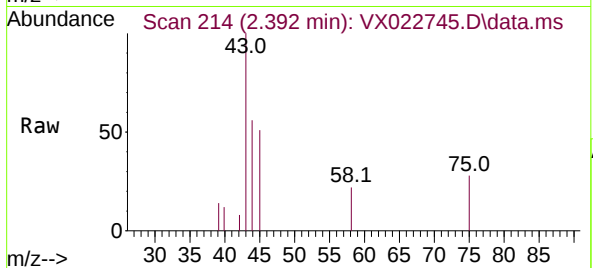
55 0.0 56.4 84.6#



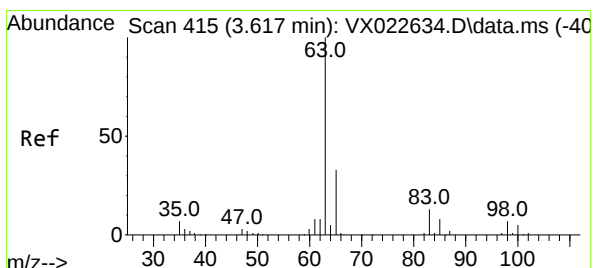
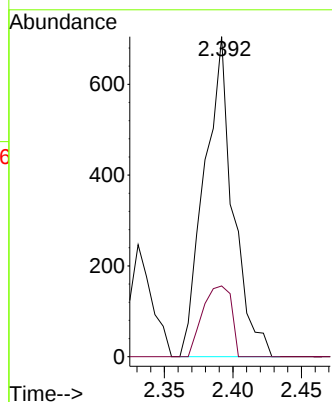
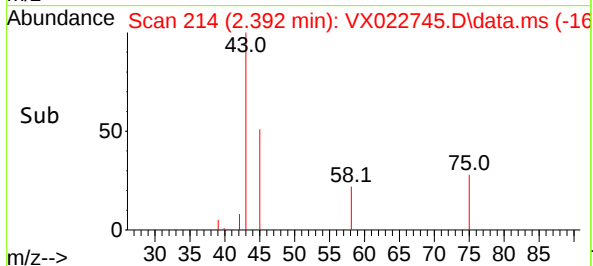


#16
Acetone
Concen: 2.27 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

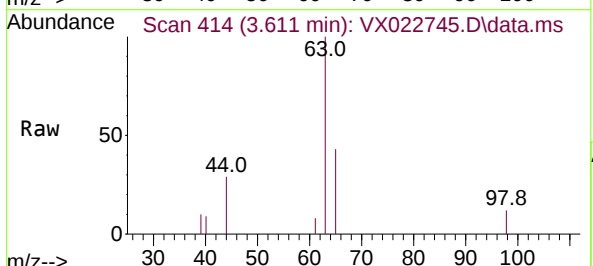
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615



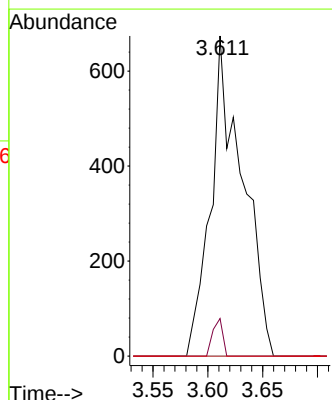
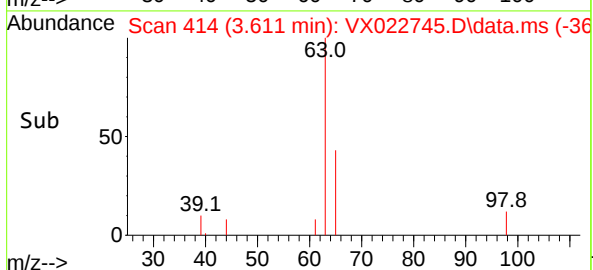
Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 22.1 27.8 41.8#

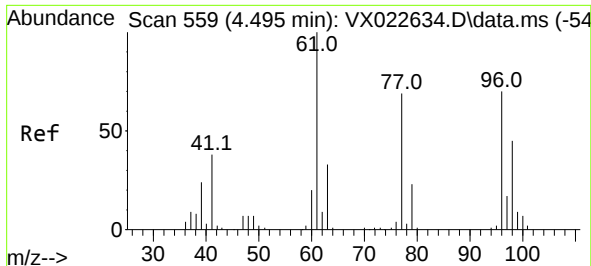


#24
1,1-Dichloroethane
Concen: 0.90 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02



Tgt Ion: 63 Resp: 1357
Ion Ratio Lower Upper
63 100
98 11.7 3.8 11.2#
100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 5.17 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 96 Resp: 4748

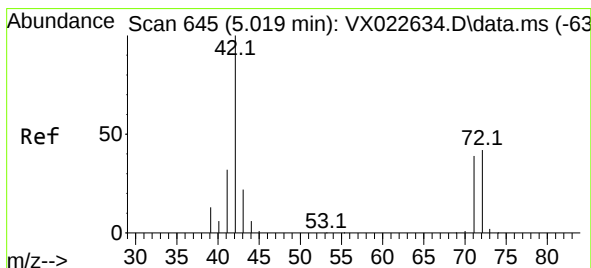
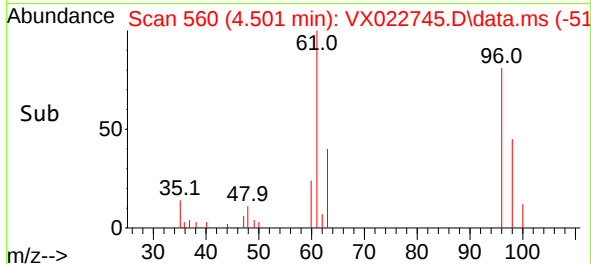
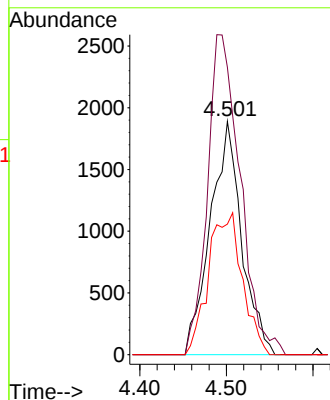
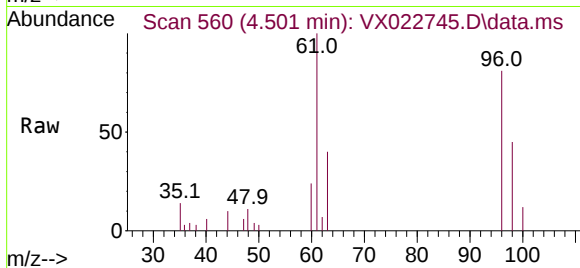
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	285.6
98	65.8	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20210615



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.056 min Scan# 651

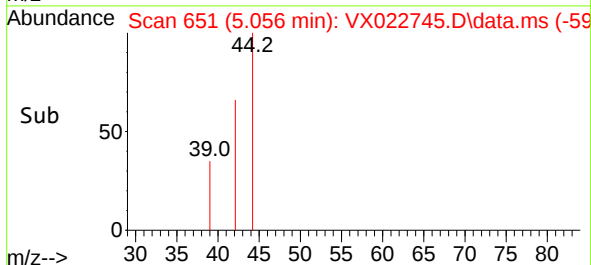
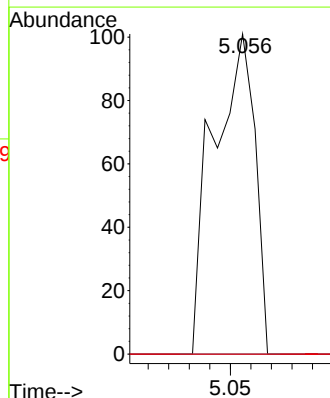
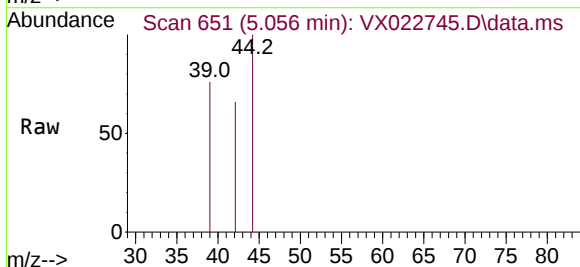
Delta R.T. 0.043 min

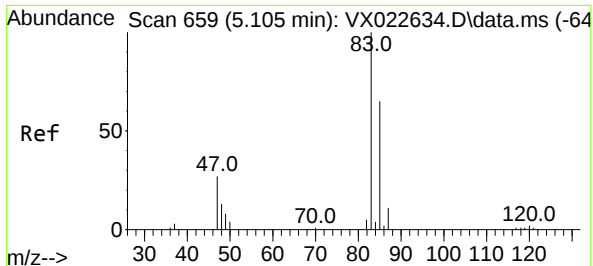
Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 42 Resp: 142

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 0.28 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX022745.D

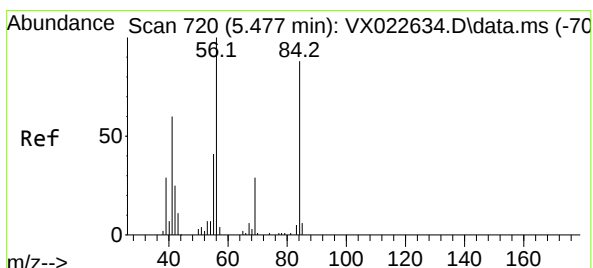
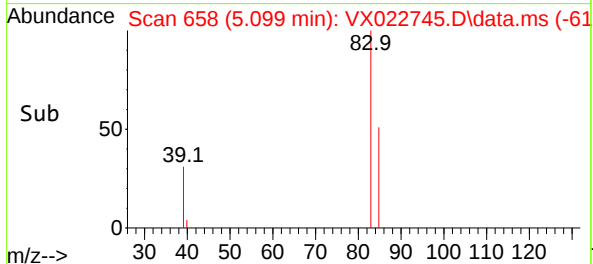
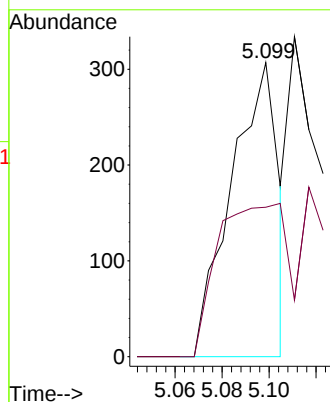
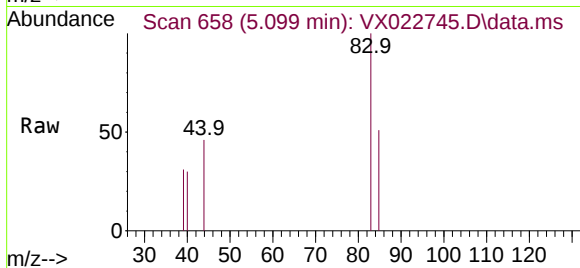
Acq: 17 Jun 2021 17:02

Tgt Ion: 83 Resp: 426

Ion Ratio Lower Upper

83 100

85 50.8 52.0 78.0#



#31

Cyclohexane

Concen: 1.38 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

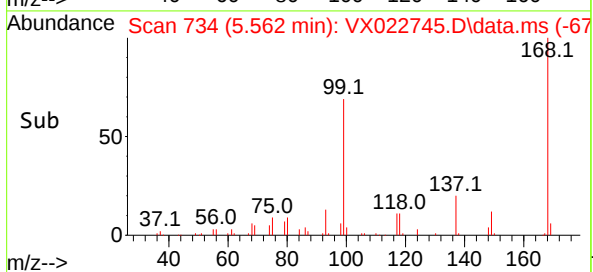
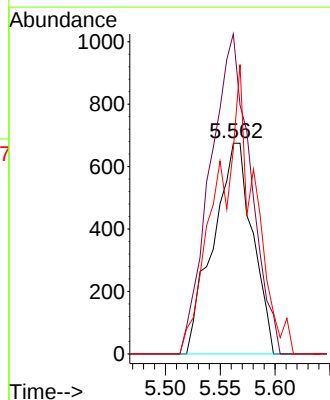
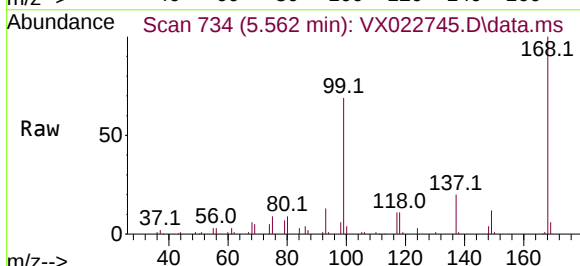
Tgt Ion: 56 Resp: 1682

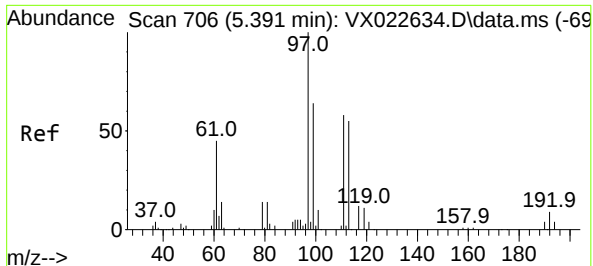
Ion Ratio Lower Upper

56 100

69 151.9 25.3 37.9#

84 97.0 71.4 107.0





#32

1,1,1-Trichloroethane

Concen: 1.07 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

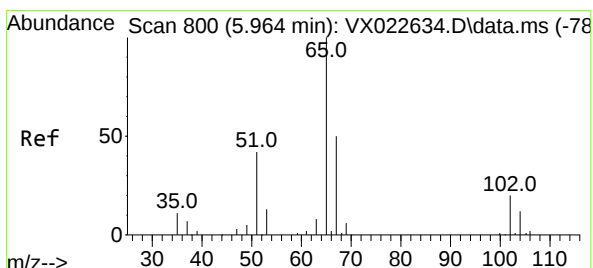
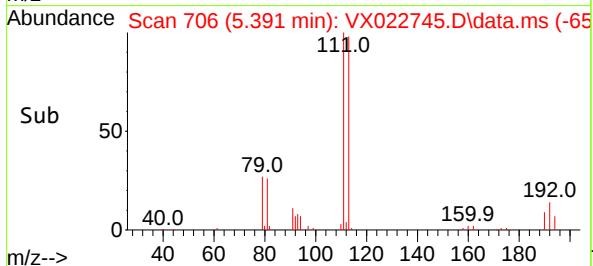
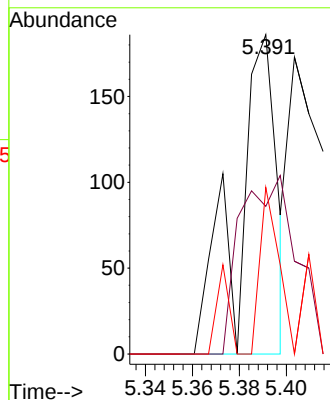
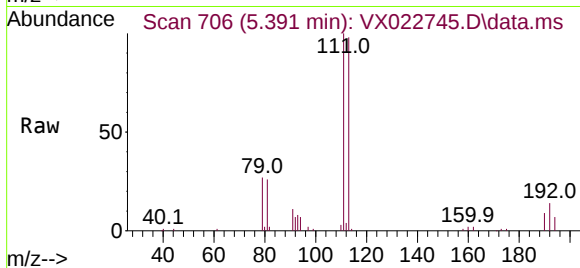
Tgt Ion:	97	Resp:	216
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	35.2	34.2	51.4

Instrument :

MSVOA_X

ClientSampleId :

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#33

1,2-Dichloroethane-d4

Concen: 48.13 ug/l

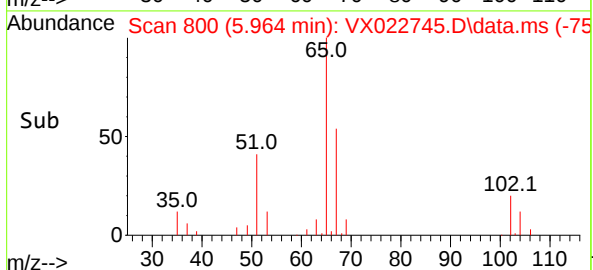
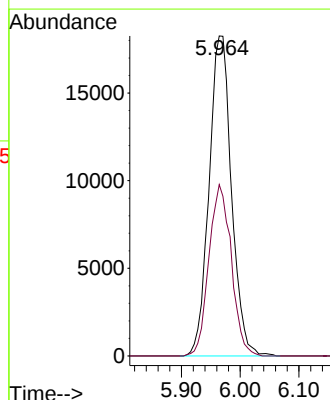
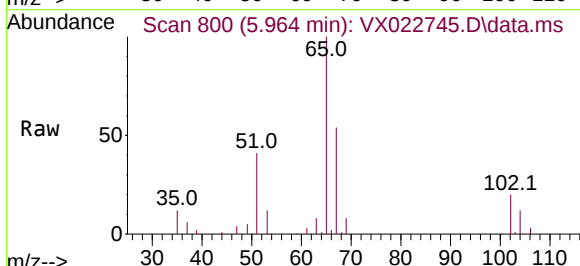
RT: 5.964 min Scan# 800

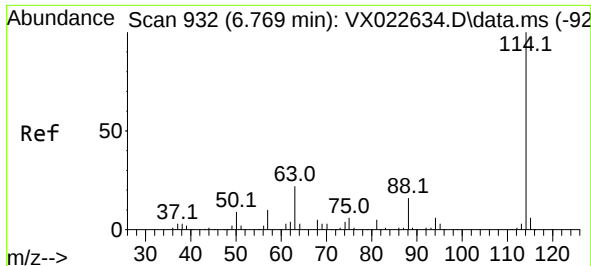
Delta R.T. 0.000 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

Tgt Ion:	65	Resp:	48483
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.4

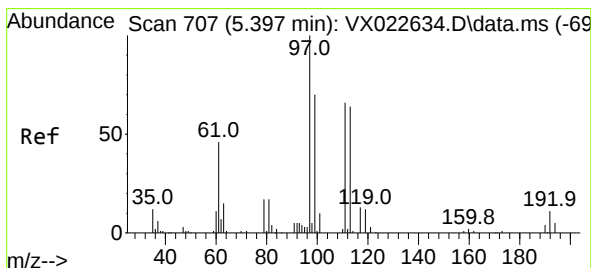
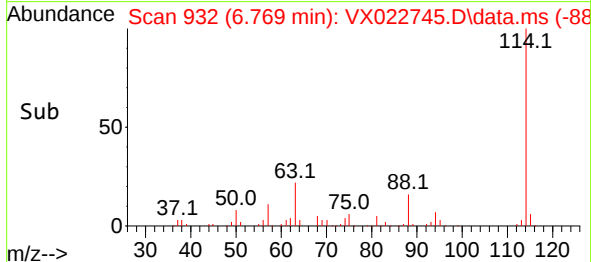
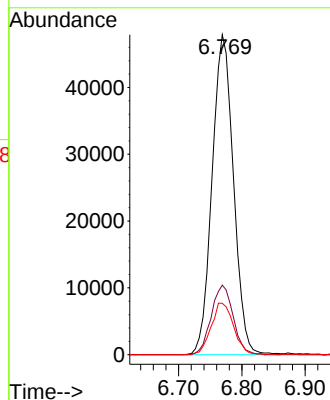
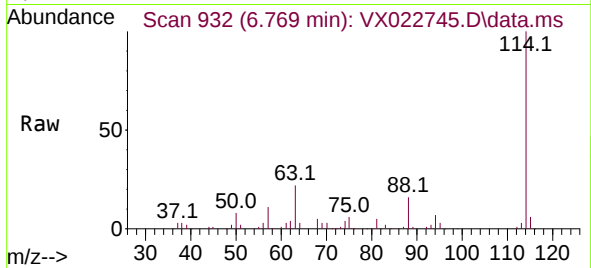




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

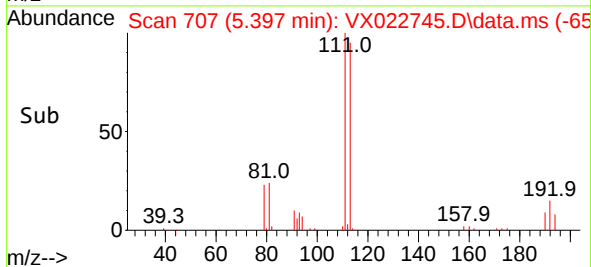
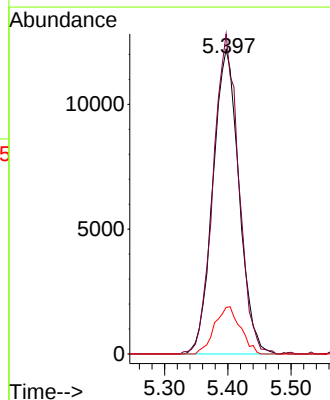
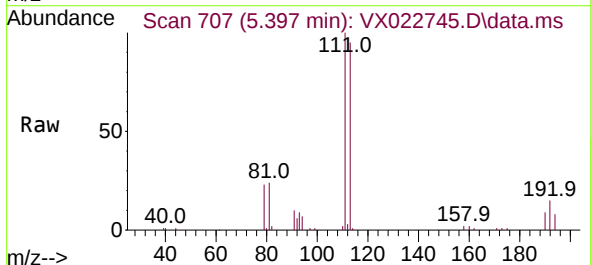
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

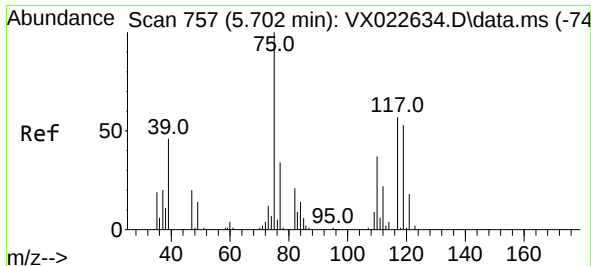
Tgt Ion:114 Resp: 112289
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.82 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion:113 Resp: 34977
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 15.3 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.00 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 75 Resp: 5589

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

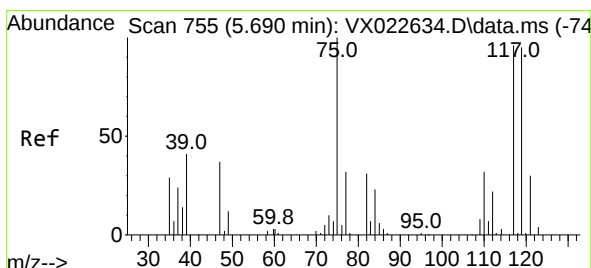
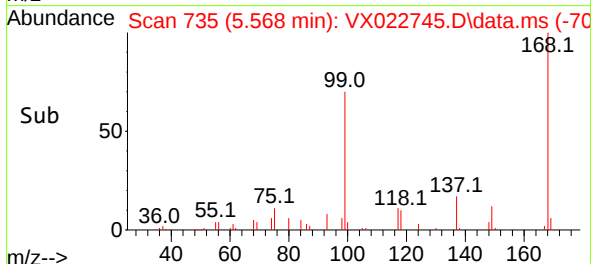
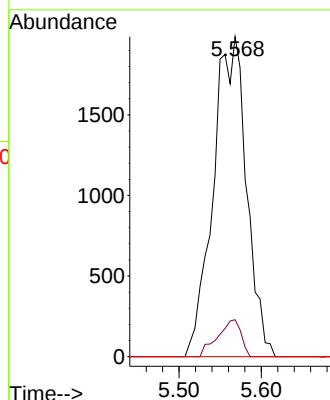
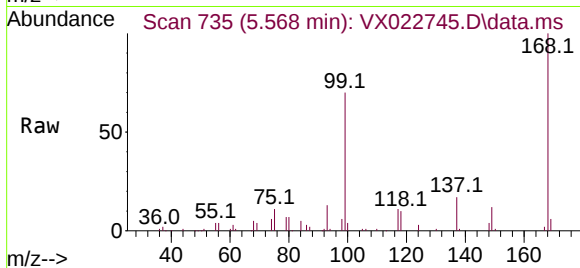
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20210615



#38

Carbon Tetrachloride

Concen: 0.53 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

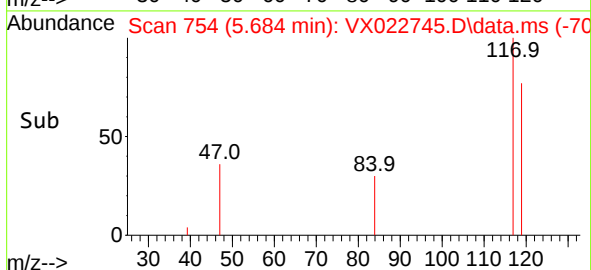
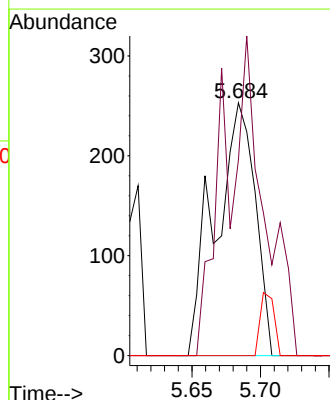
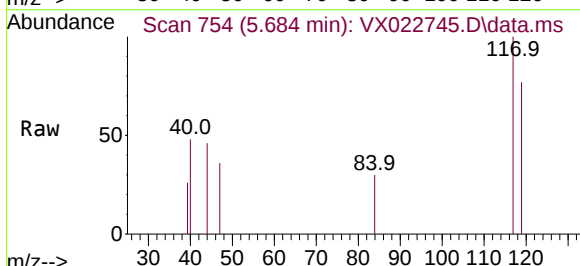
Tgt Ion: 117 Resp: 511

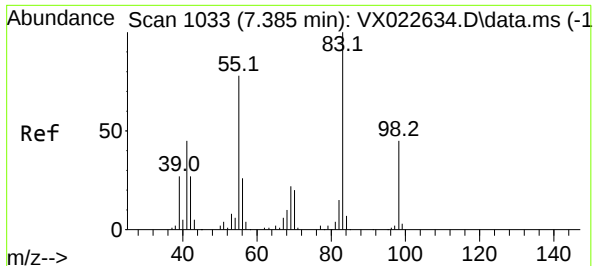
Ion Ratio Lower Upper

117 100

119 77.5 76.2 114.2

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 3.83 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 83 Resp: 4465

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

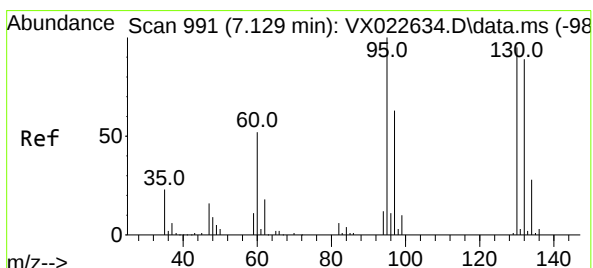
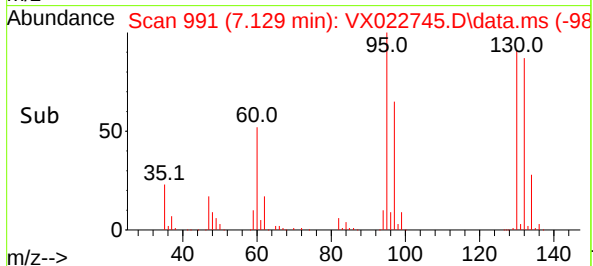
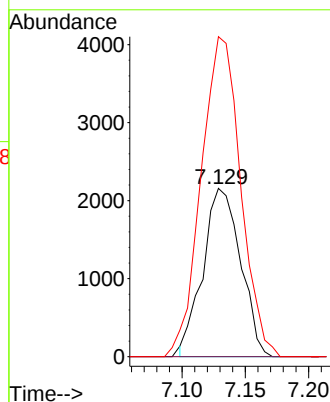
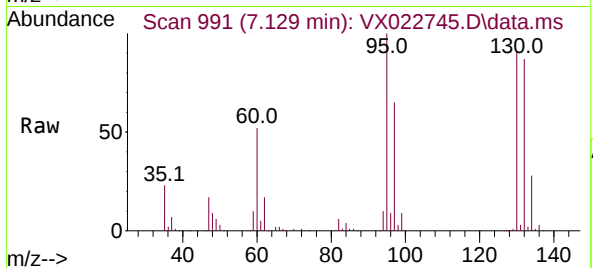
98 190.2 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20210615



#44

Trichloroethene

Concen: 413.84 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX022745.D

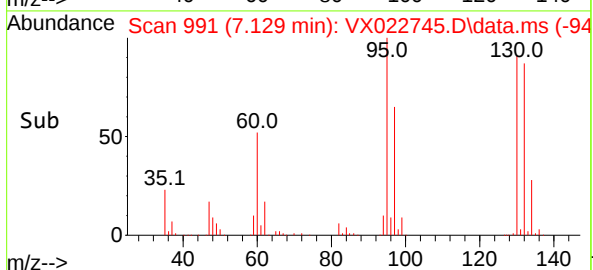
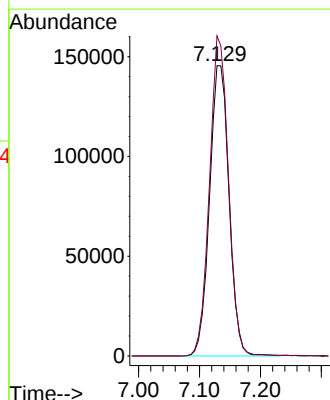
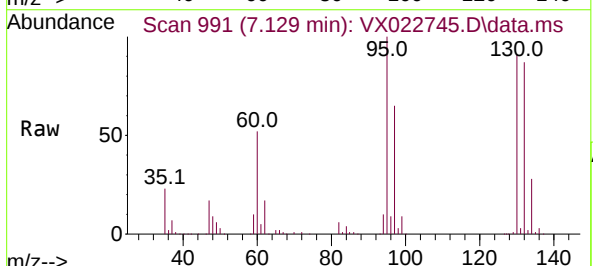
Acq: 17 Jun 2021 17:02

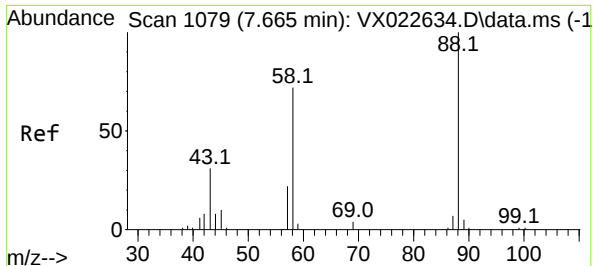
Tgt Ion:130 Resp: 323372

Ion Ratio Lower Upper

130 100

95 110.3 0.0 198.0





#49

1,4-Dioxane

Concen: 35.87 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX022745.D

Acq: 17 Jun 2021 17:02

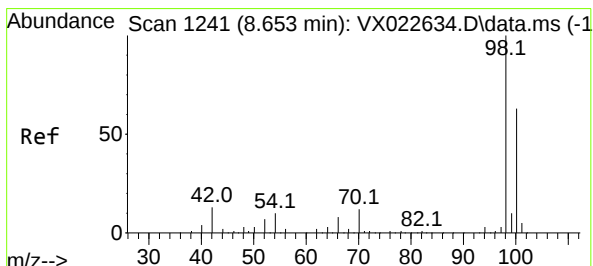
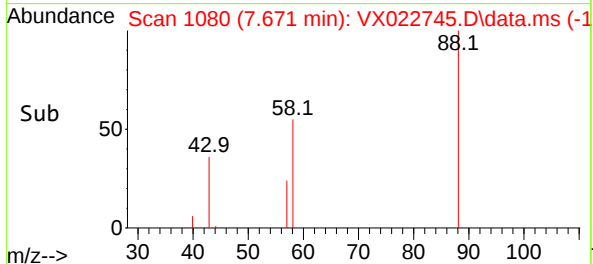
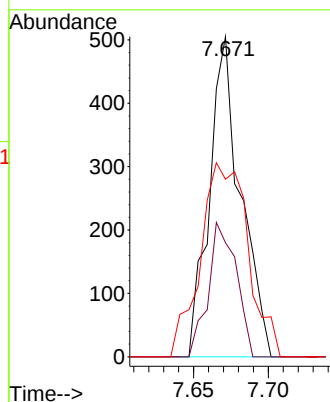
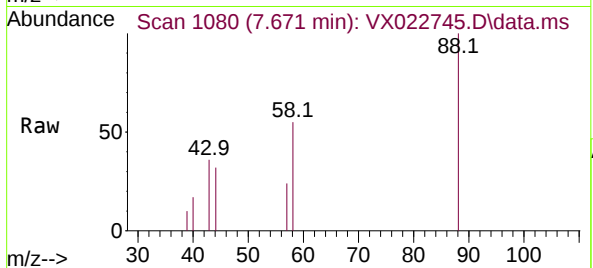
Tgt Ion: 88 Resp: 736

Ion Ratio Lower Upper

88 100

43 37.4 23.2 34.8#

58 91.8 55.0 82.4#



#50

Toluene-d8

Concen: 49.82 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022745.D

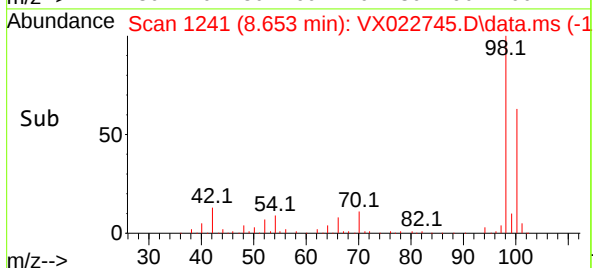
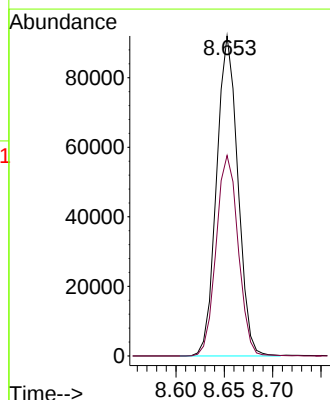
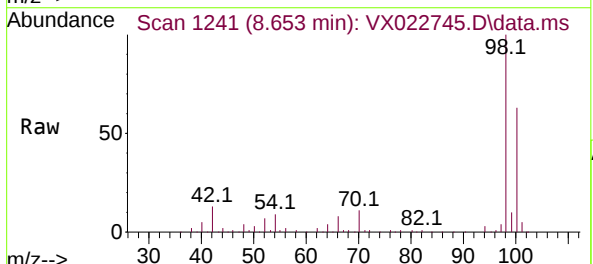
Acq: 17 Jun 2021 17:02

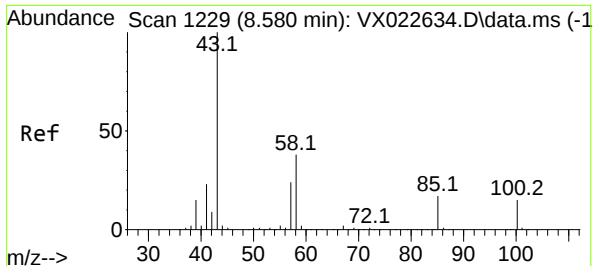
Tgt Ion: 98 Resp: 140715

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9

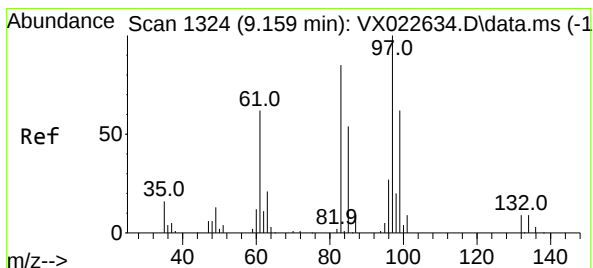
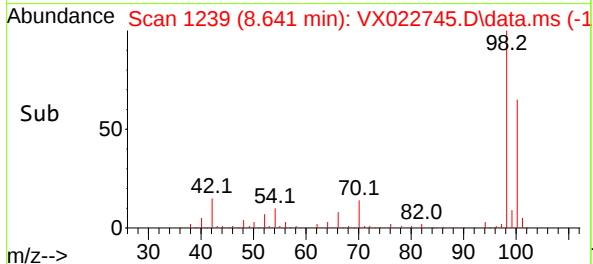
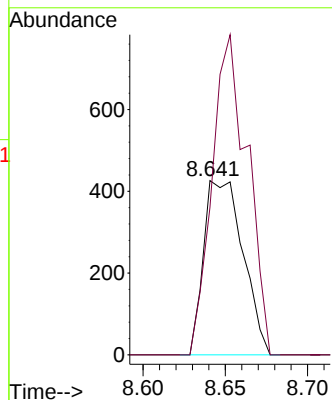
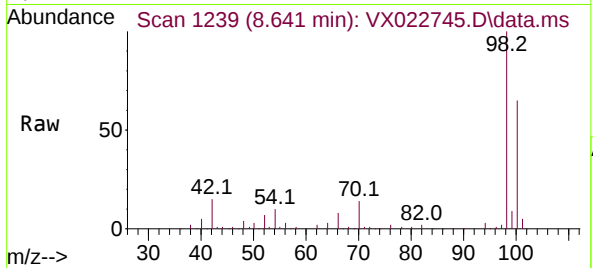




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.061 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

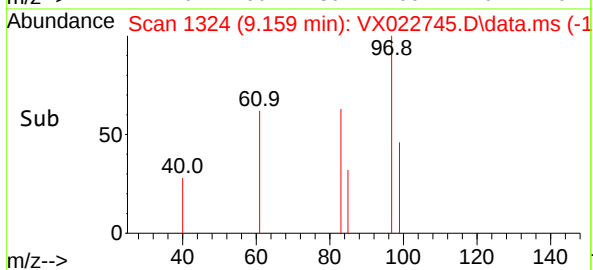
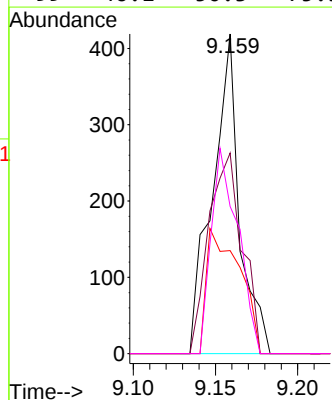
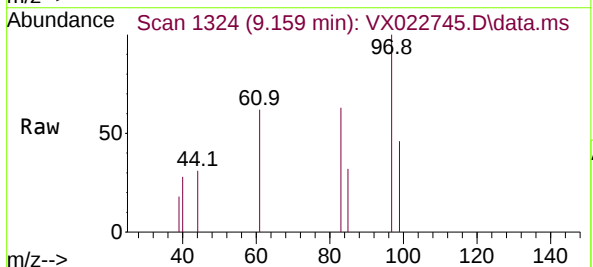
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

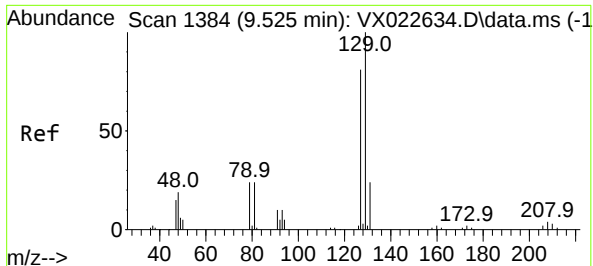
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 165.3 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.57 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 97 Resp: 480
Ion Ratio Lower Upper
97 100
83 62.8 69.3 103.9#
85 32.2 44.3 66.5#
99 46.1 50.3 75.5#

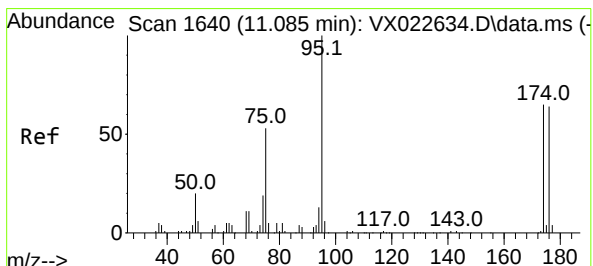
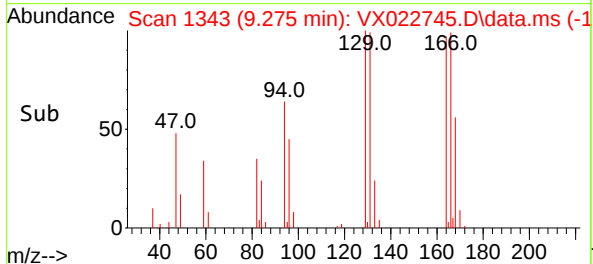
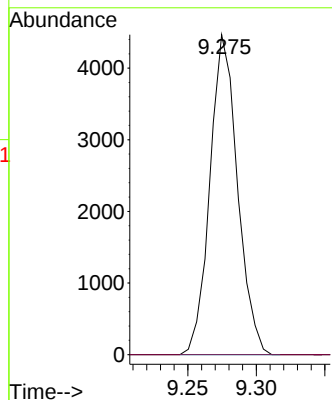
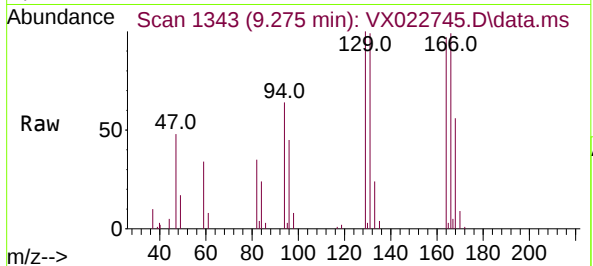




#60
Dibromochloromethane
Concen: 10.21 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

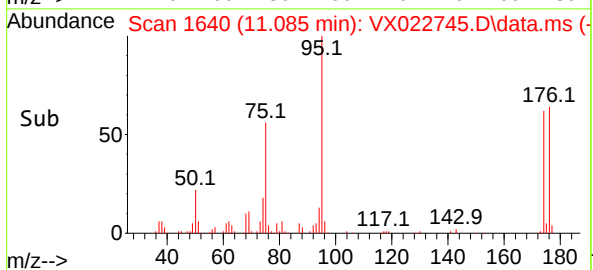
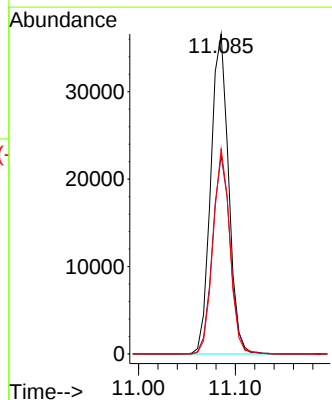
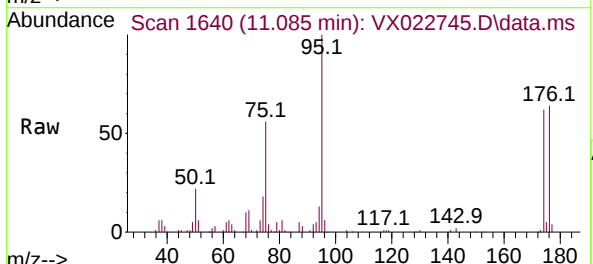
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

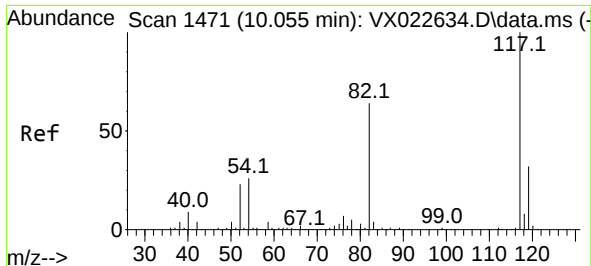
Tgt Ion:129 Resp: 6259
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.78 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 95 Resp: 46767
Ion Ratio Lower Upper
95 100
174 61.7 0.0 154.6
176 60.5 0.0 155.8

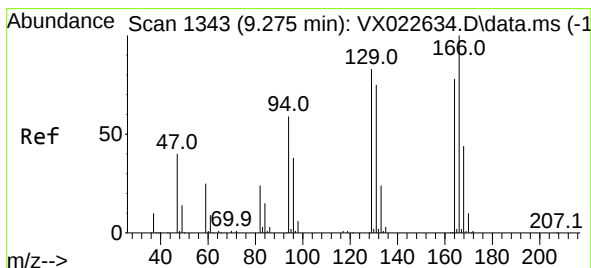
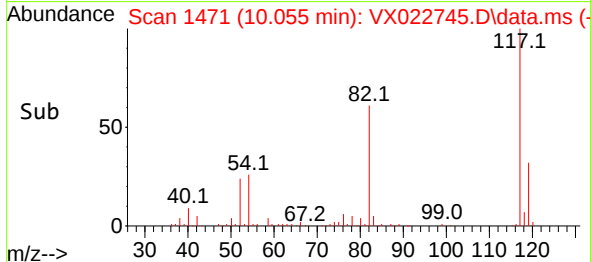
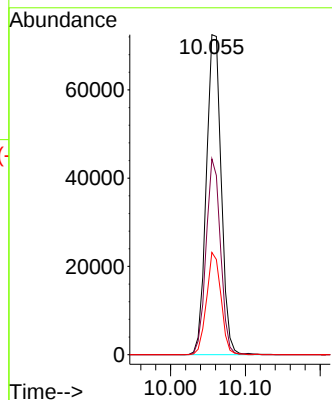
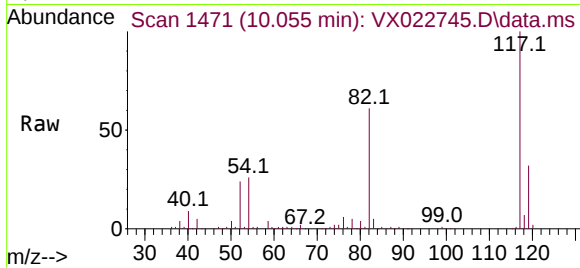




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

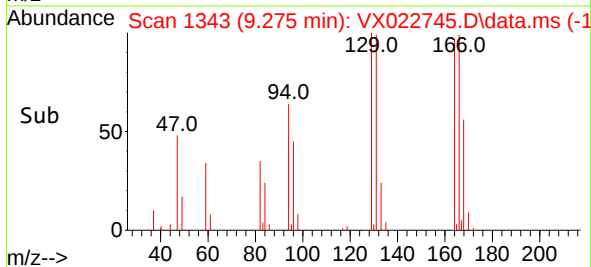
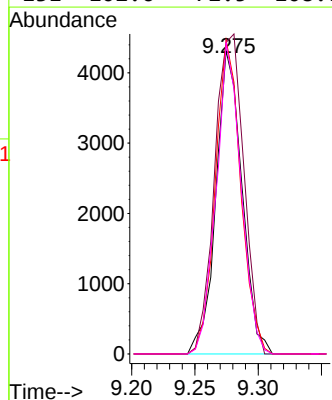
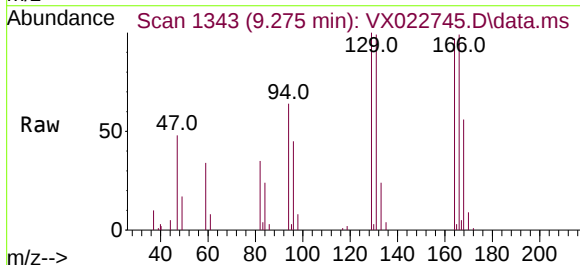
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20210615

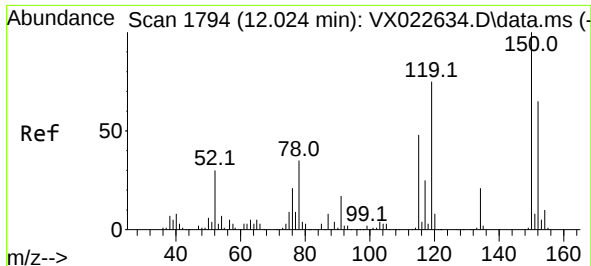
Tgt Ion:117	Resp: 100485
Ion Ratio	Lower Upper
117 100	
82 61.2	47.4 71.2
119 32.0	26.6 39.8



#64
Tetrachloroethene
Concen: 9.70 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX022745.D
Acq: 17 Jun 2021 17:02

Tgt Ion:164	Resp: 6161
Ion Ratio	Lower Upper
164 100	
166 102.8	103.4 155.2#
129 103.6	70.8 106.2
131 102.6	72.5 108.7

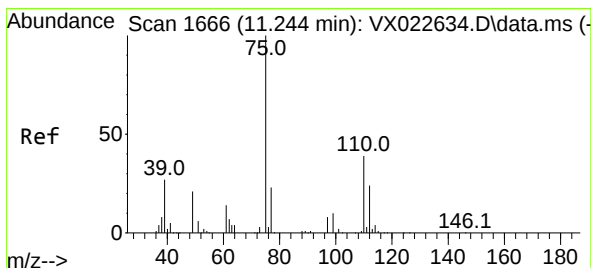
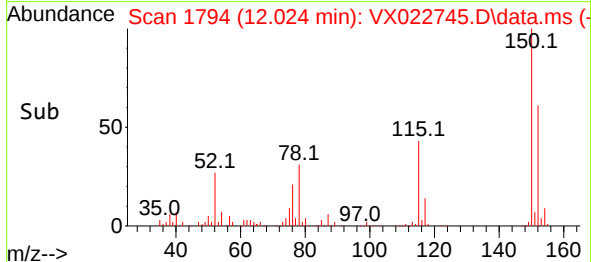
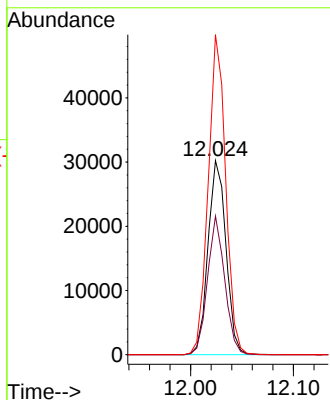
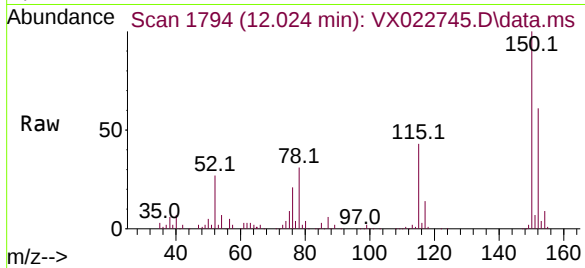




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX022745.D
 Acq: 17 Jun 2021 17:02

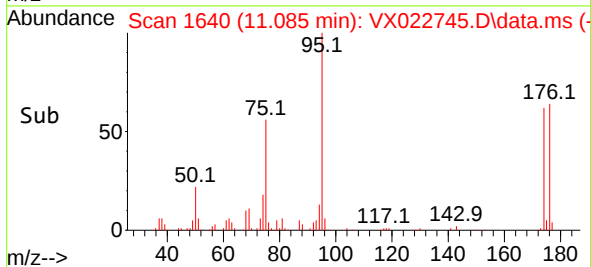
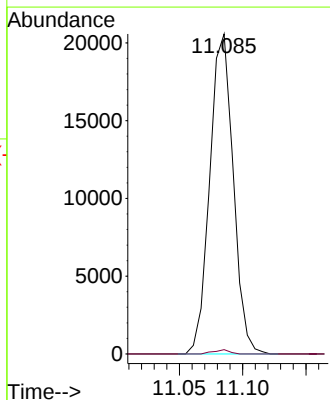
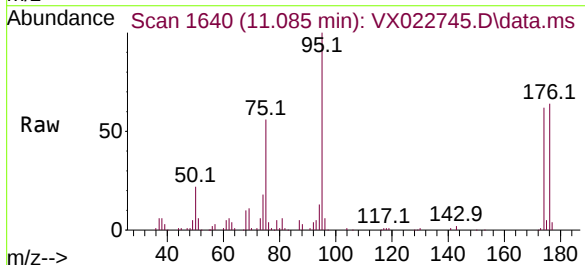
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20210615

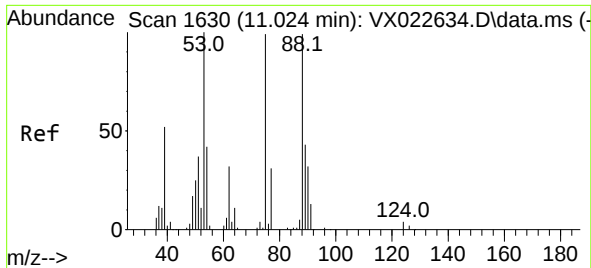
Tgt Ion:152 Resp: 36855
 Ion Ratio Lower Upper
 152 100
 115 68.2 41.1 123.3
 150 159.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.20 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022745.D
 Acq: 17 Jun 2021 17:02

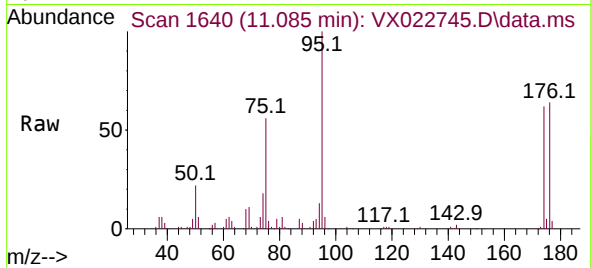
Tgt Ion: 75 Resp: 26582
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.97 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022745.D
 Acq: 17 Jun 2021 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20210615



Tgt Ion: 75 Resp: 26582
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

