

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032956.D
 Acq On : 21 Nov 2022 16:42
 Operator : JC/MD
 Sample : N5729-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20221117

Quant Time: Nov 22 05:12:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

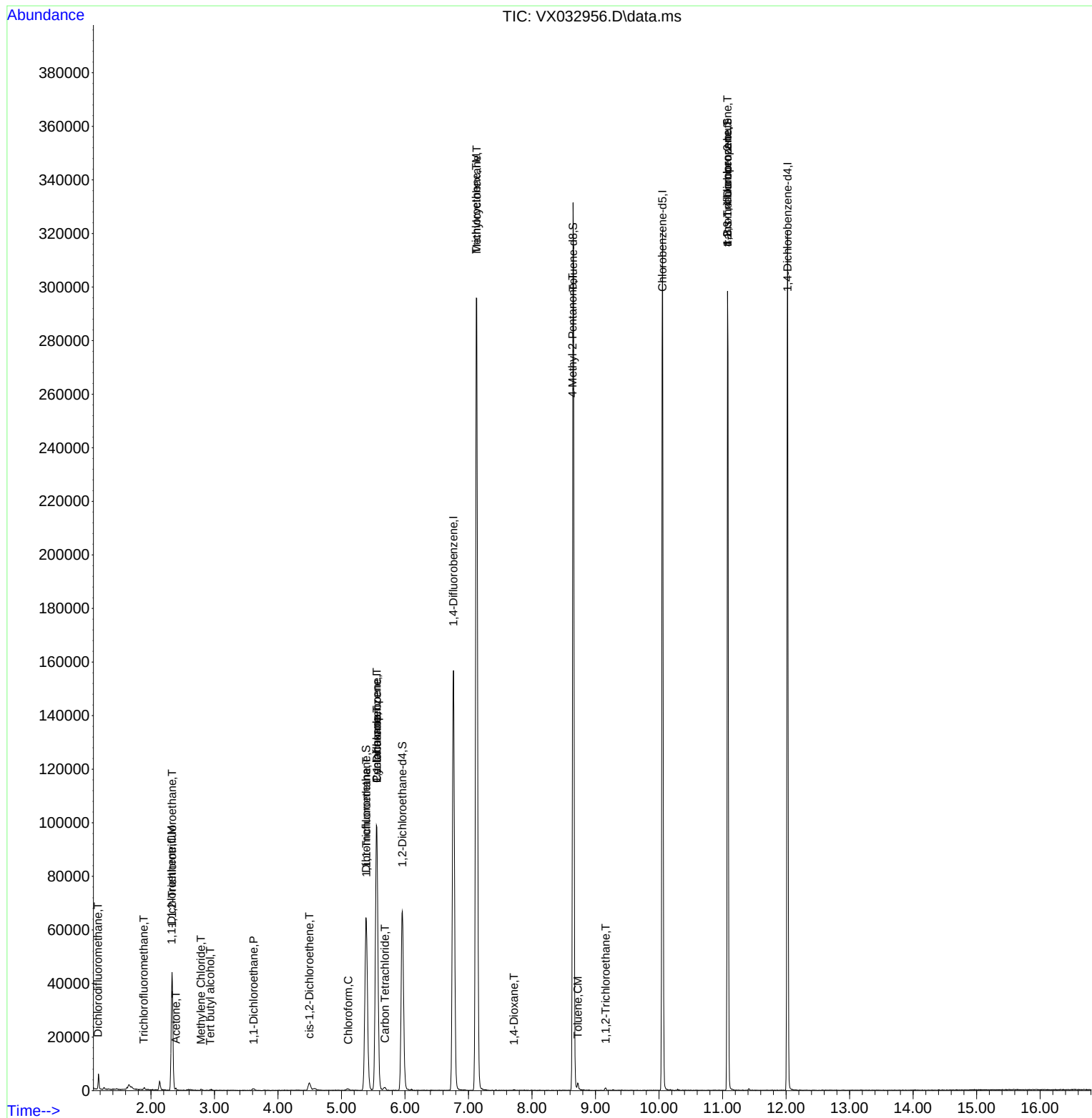
Internal Standards						
1) Pentafluorobenzene	5.556	168	94912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68551	51.981	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.960%	
35) Dibromofluoromethane	5.385	113	55267	48.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	8.647	98	198819	50.689	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	11.079	95	74499	48.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	641	0.586	ug/l	99
7) Trichlorofluoromethane	1.886	101	524	0.271	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	16133	15.833	ug/l	99
11) Tert butyl alcohol	2.934	59	190	0.990	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	877	0.921	ug/l	94
16) Acetone	2.392	43	436	0.910	ug/l #	81
20) Methylene Chloride	2.788	84	304	0.277	ug/l #	59
24) 1,1-Dichloroethane	3.617	63	1060	0.562	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	2087	1.743	ug/l	83
30) Chloroform	5.105	83	776	0.375	ug/l #	68
31) Cyclohexane	5.556	56	2175	1.360	ug/l #	29
32) 1,1,1-Trichloroethane	5.391	97	411	0.221	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	7043	4.484	ug/l #	49
38) Carbon Tetrachloride	5.684	117	1076	0.618	ug/l #	75
39) Methylcyclohexane	7.129	83	1405	0.756	ug/l #	1
44) Trichloroethene	7.123	130	114639	91.614	ug/l	100
49) 1,4-Dioxane	7.714	88	235	9.511	ug/l #	33
51) 4-Methyl-2-Pentanone	8.641	43	942	0.596	ug/l #	1
52) Toluene	8.720	92	1107	0.382	ug/l	90
55) 1,1,2-Trichloroethane	9.159	97	368	0.301	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	40575	28.498	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40575	90.682	ug/l #	6

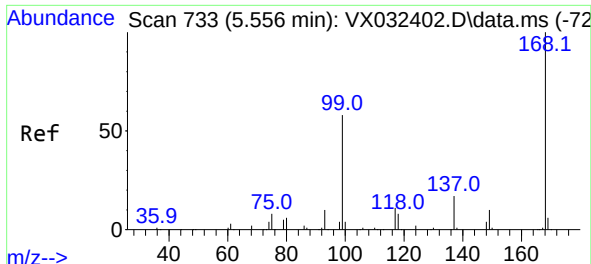
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE114D2-20221117

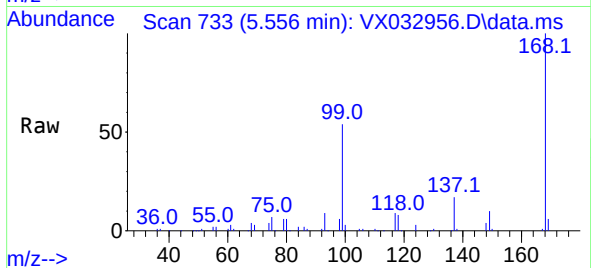
Quant Time: Nov 22 05:12:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
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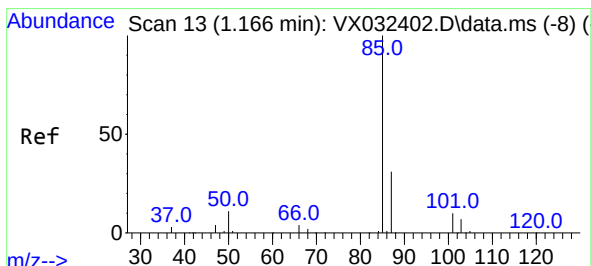
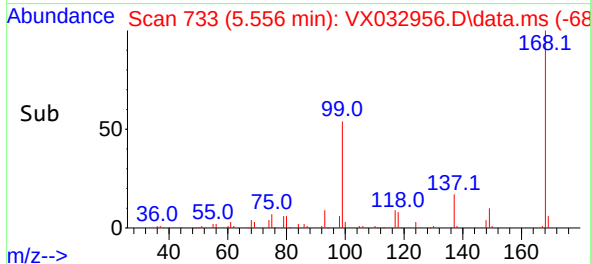
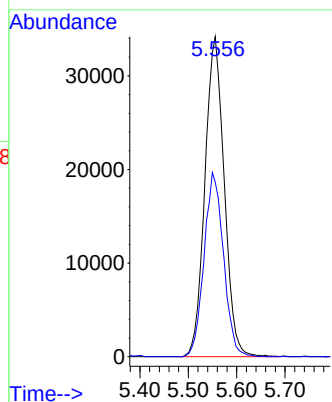


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

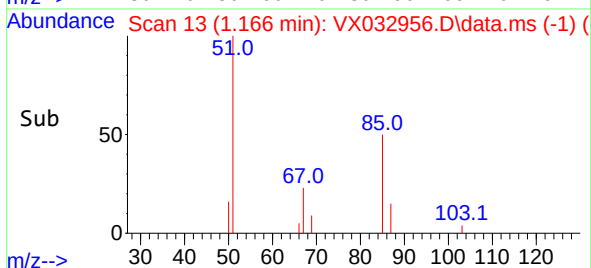
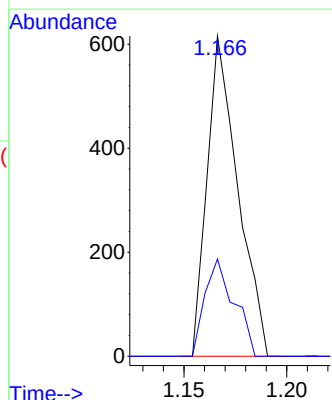
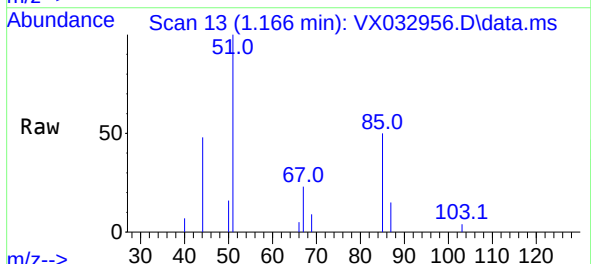


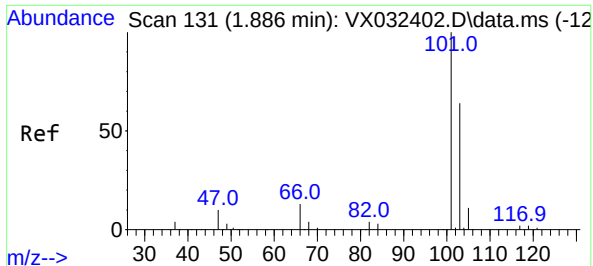
Tgt Ion:168 Resp: 94912
Ion Ratio Lower Upper
168 100
99 54.5 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.586 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 85 Resp: 641
Ion Ratio Lower Upper
85 100
87 30.4 15.6 46.7

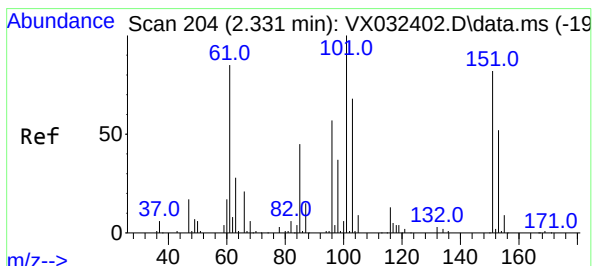
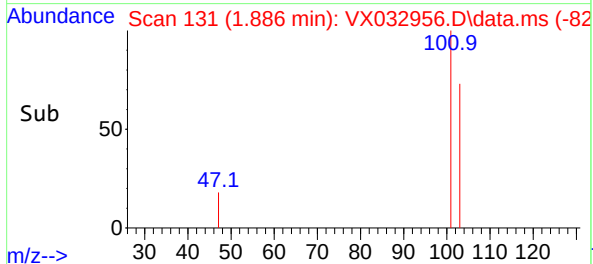
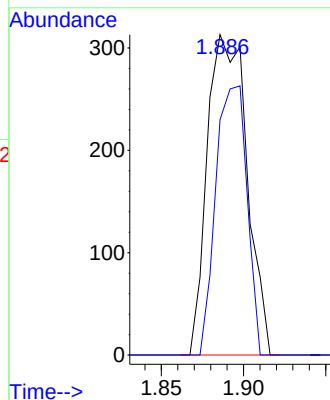
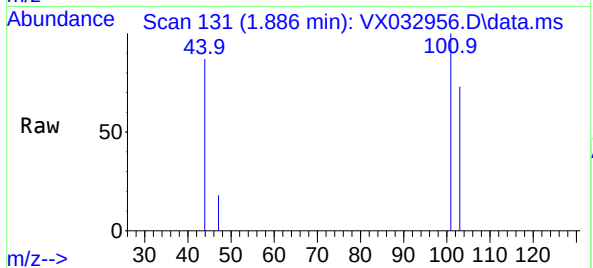




#7
Trichlorofluoromethane
Concen: 0.271 ug/l
RT: 1.886 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

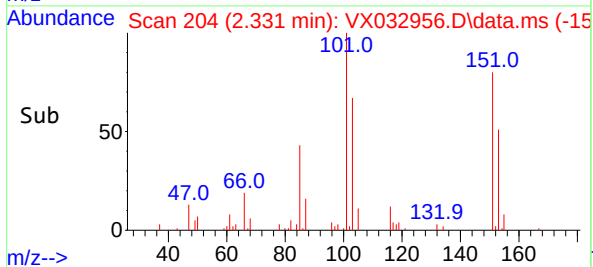
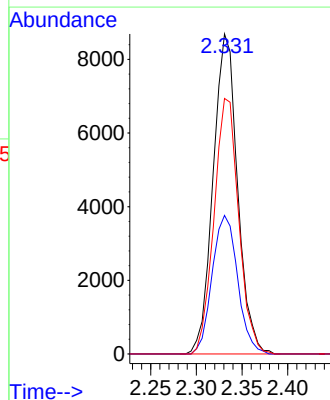
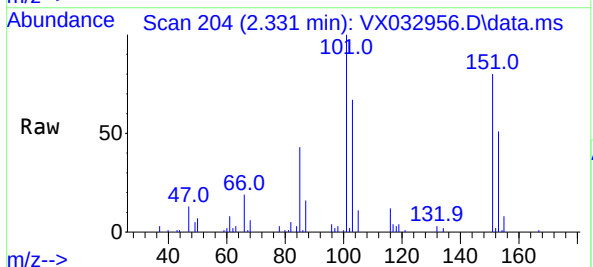
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

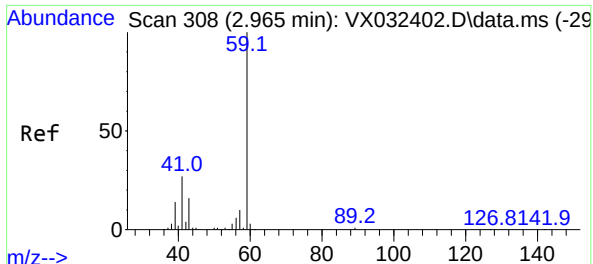
Tgt Ion:101 Resp: 524
Ion Ratio Lower Upper
101 100
103 73.5 51.4 77.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.833 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion:101 Resp: 16133
Ion Ratio Lower Upper
101 100
85 45.1 37.0 55.4
151 80.7 64.4 96.6





#11

Tert butyl alcohol

Concen: 0.990 ug/l

RT: 2.934 min Scan# 308

Delta R.T. -0.031 min

Lab File: VX032956.D

Acq: 21 Nov 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

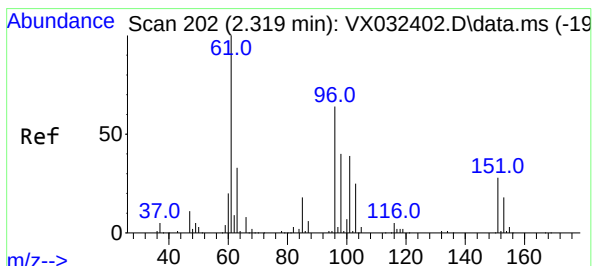
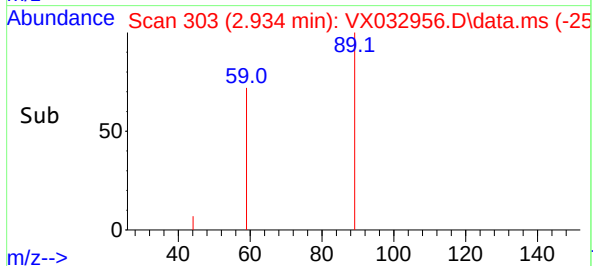
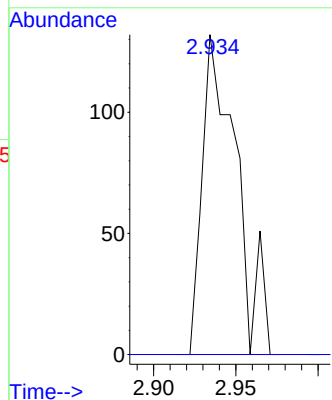
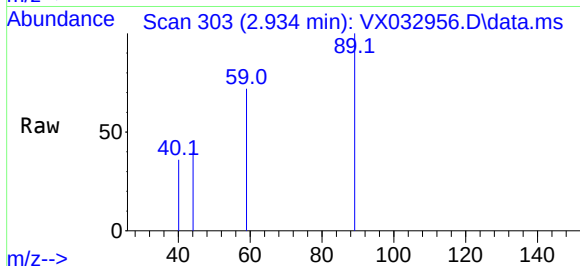
RE114D2-20221117

Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.921 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX032956.D

Acq: 21 Nov 2022 16:42

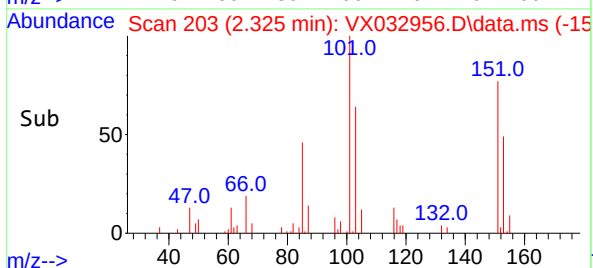
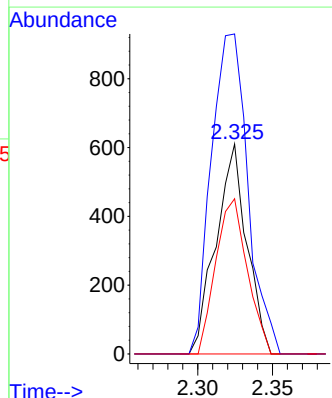
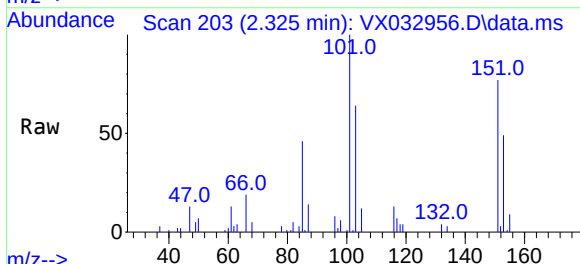
Tgt Ion: 96 Resp: 877

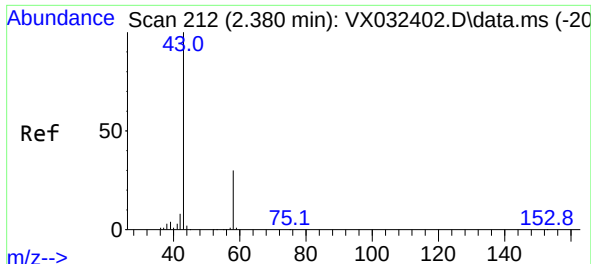
Ion Ratio Lower Upper

96 100

61 152.5 125.1 187.7

98 73.9 50.6 76.0

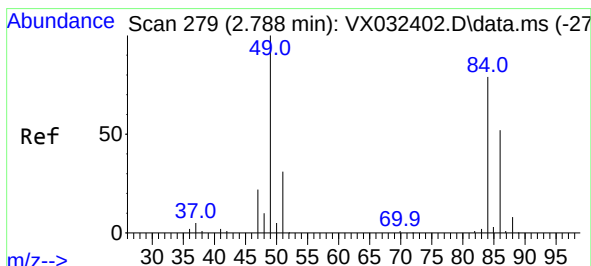
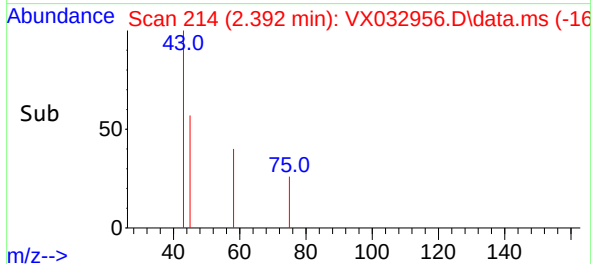
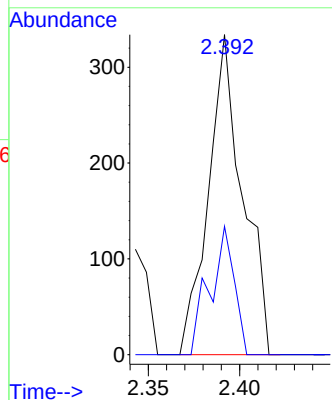
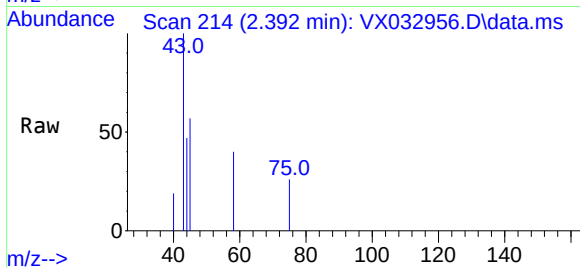




#16
Acetone
Concen: 0.910 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

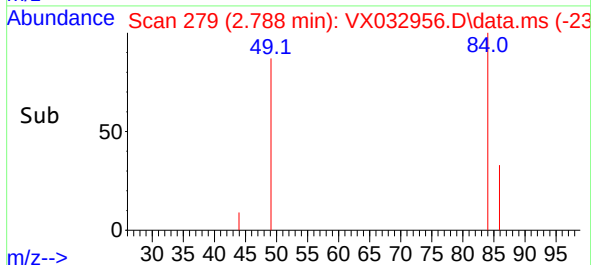
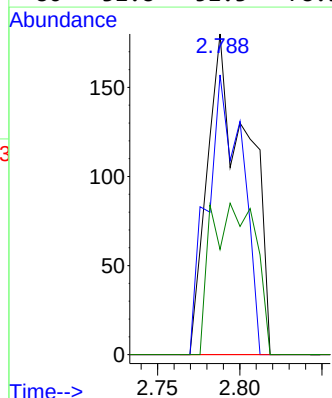
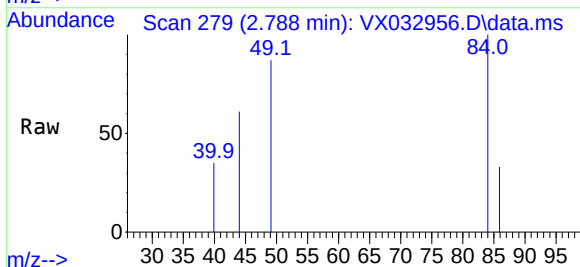
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

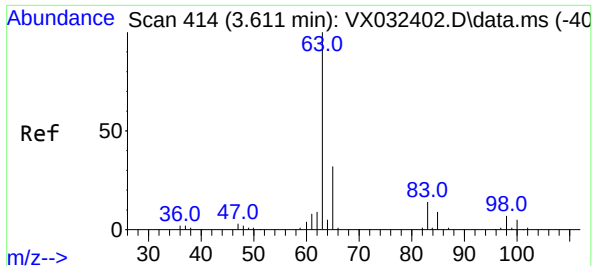
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
58 40.1 23.8 35.8#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 84 Resp: 304
Ion Ratio Lower Upper
84 100
49 87.2 101.0 151.6#
51 0.0 31.1 46.7#
86 32.8 52.3 78.5#

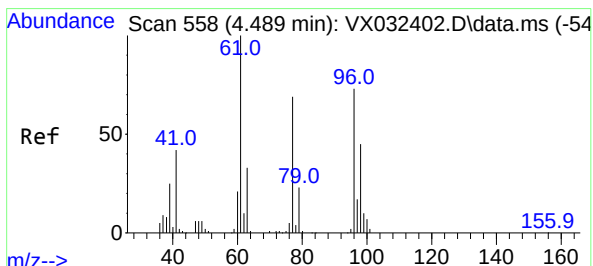
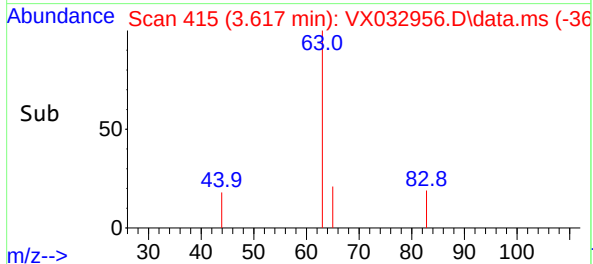
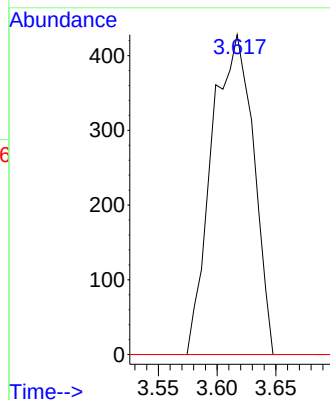
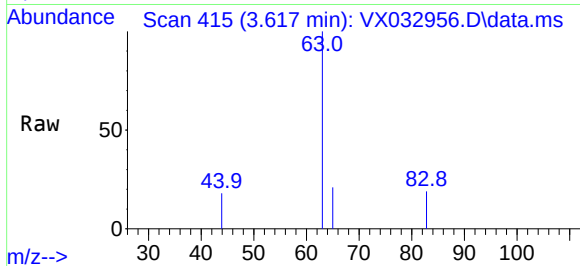




#24
1,1-Dichloroethane
Concen: 0.562 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

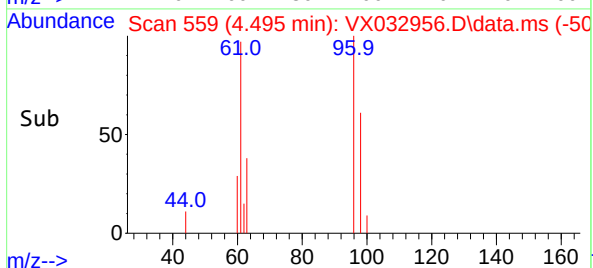
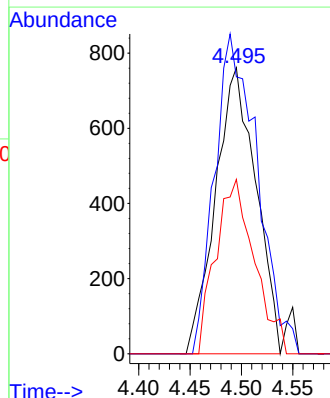
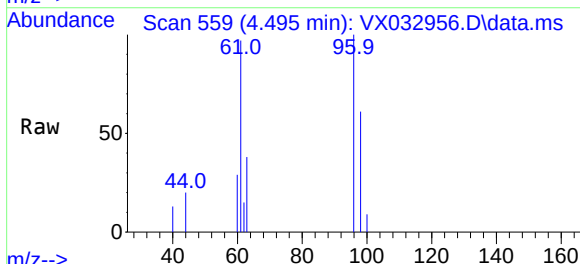
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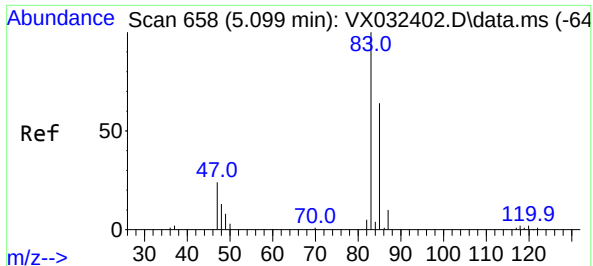
Tgt Ion: 63 Resp: 1060
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 1.743 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 96 Resp: 2087
Ion Ratio Lower Upper
96 100
61 117.5 0.0 286.0
98 58.3 0.0 129.6

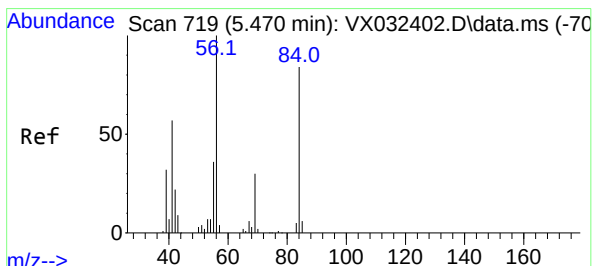
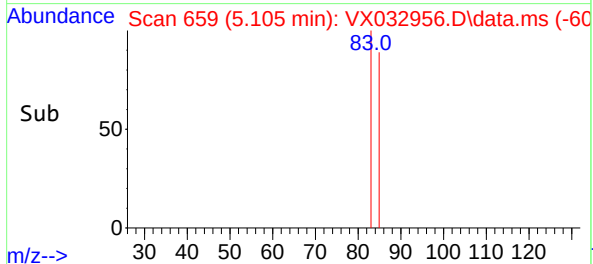
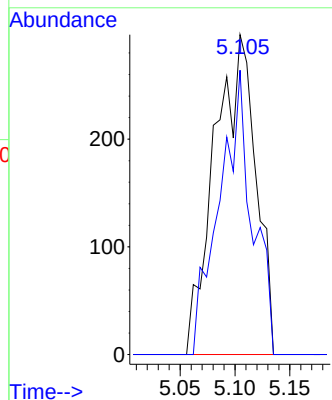
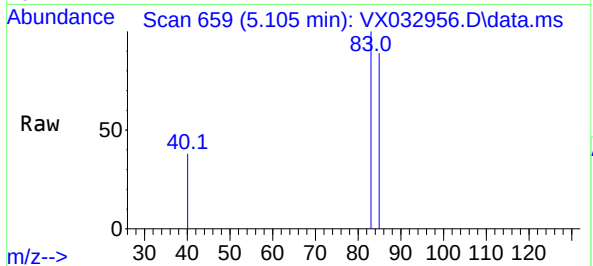




#30
Chloroform
Concen: 0.375 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

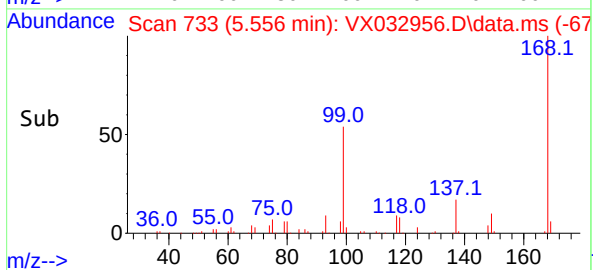
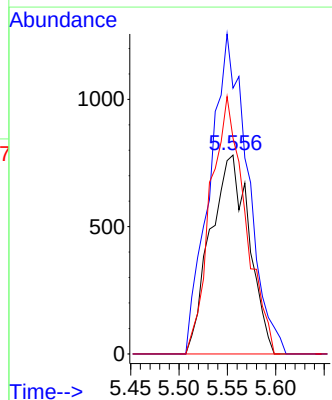
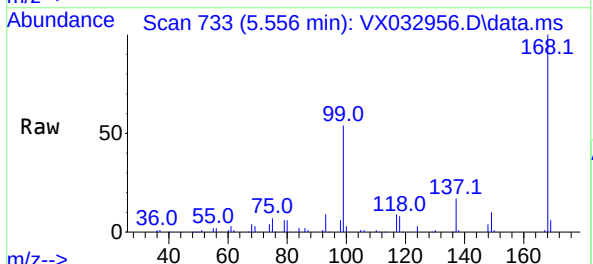
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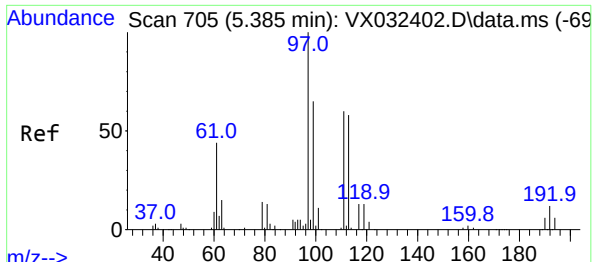
Tgt Ion: 83 Resp: 776
Ion Ratio Lower Upper
83 100
85 88.9 51.1 76.7#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 56 Resp: 2175
Ion Ratio Lower Upper
56 100
69 133.7 24.1 36.1#
84 108.6 66.9 100.3#





#32

1,1,1-Trichloroethane

Concen: 0.221 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032956.D

Acq: 21 Nov 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20221117

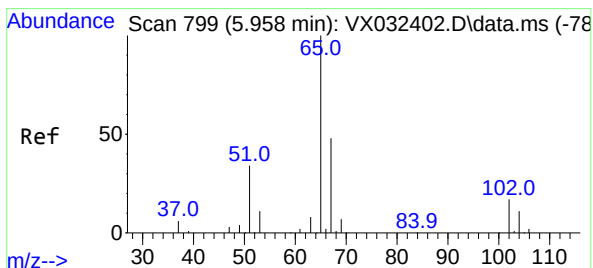
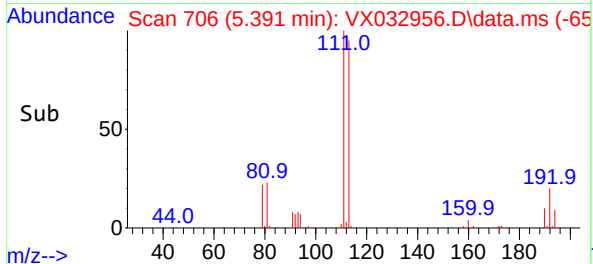
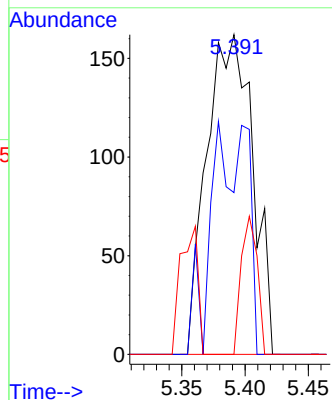
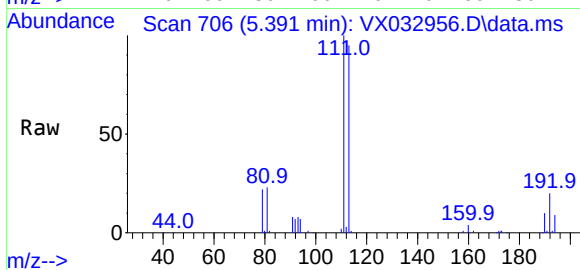
Tgt Ion: 97 Resp: 411

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 0.0 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 51.981 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032956.D

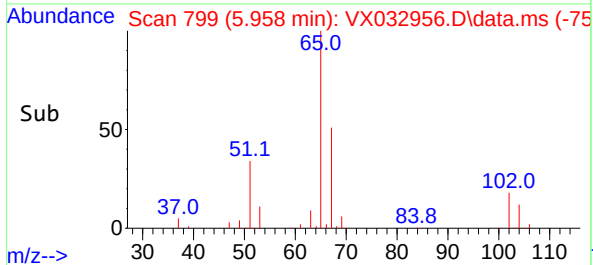
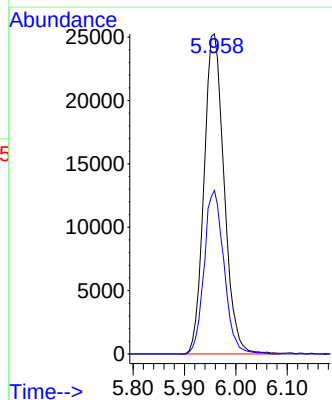
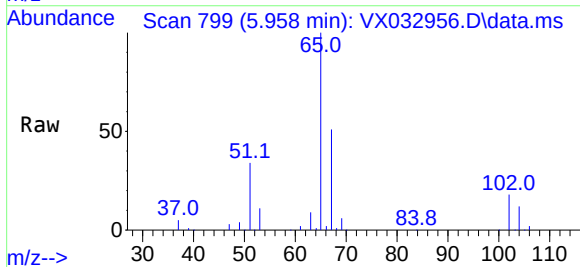
Acq: 21 Nov 2022 16:42

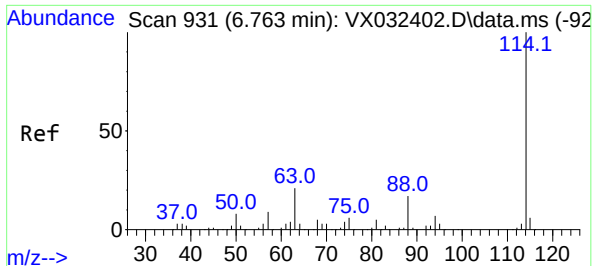
Tgt Ion: 65 Resp: 68551

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8

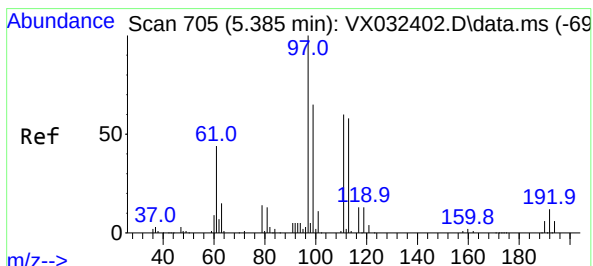
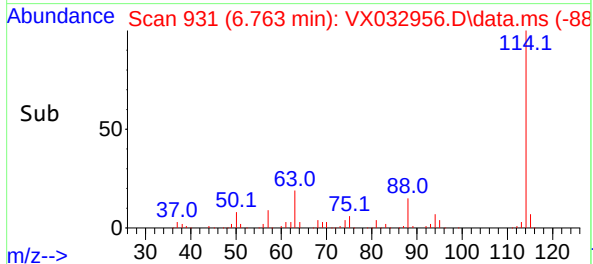
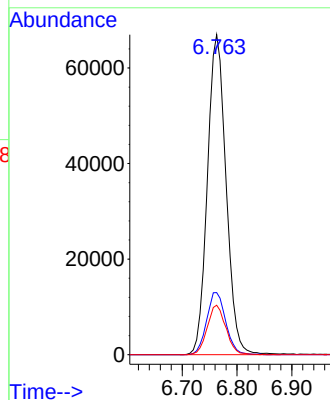
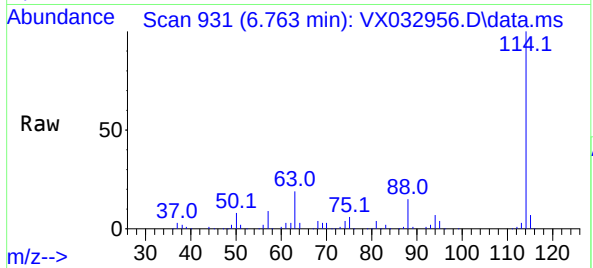




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

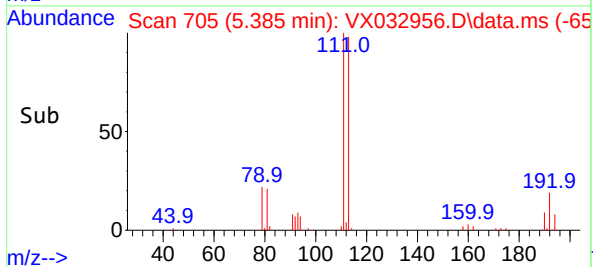
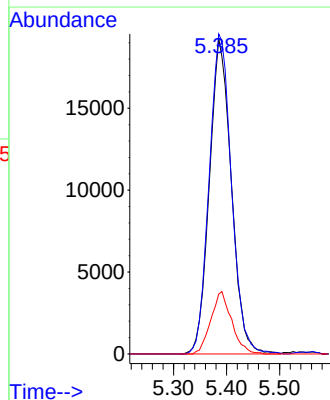
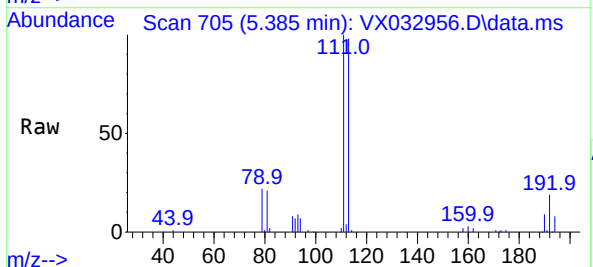
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

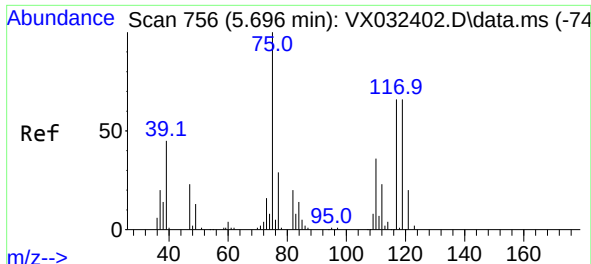
Tgt Ion:114 Resp: 158137
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.995 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion:113 Resp: 55267
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 18.8 15.4 23.2

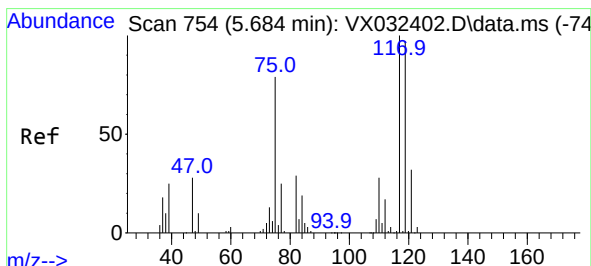
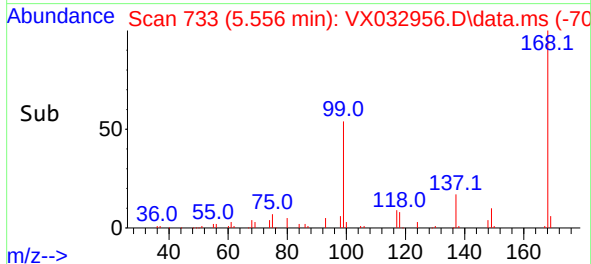
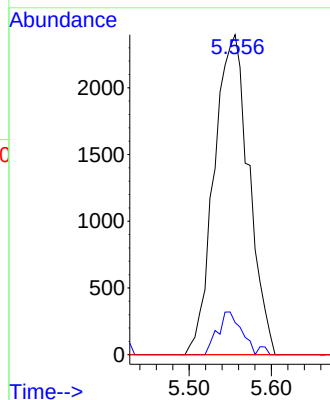
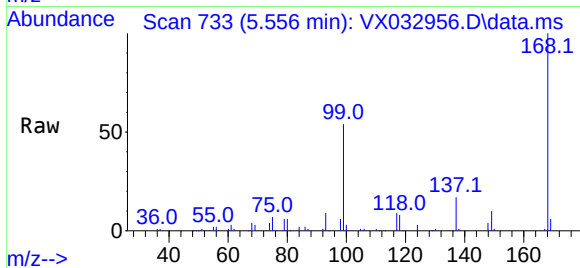




#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

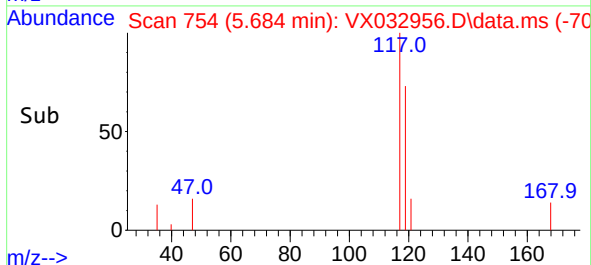
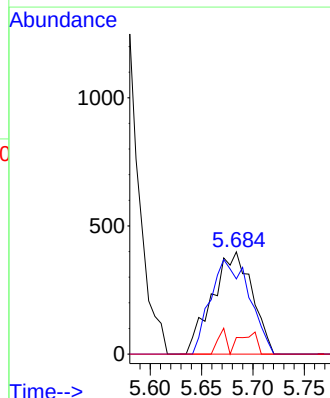
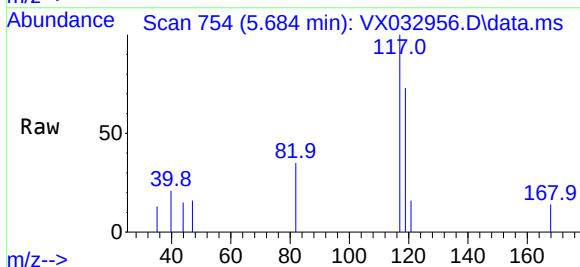
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

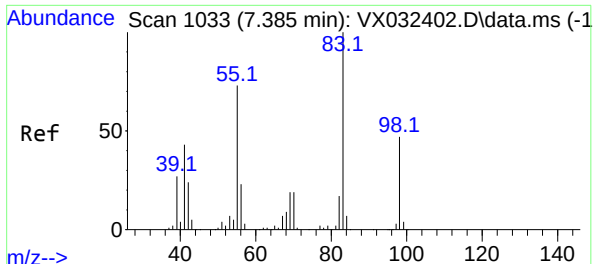
Tgt Ion: 75 Resp: 7043
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 0.618 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 117 Resp: 1076
Ion Ratio Lower Upper
117 100
119 73.4 77.2 115.8#
121 16.3 25.8 38.6#

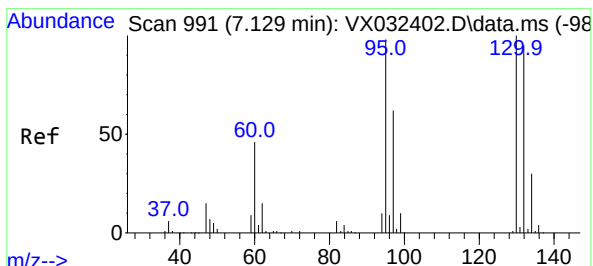
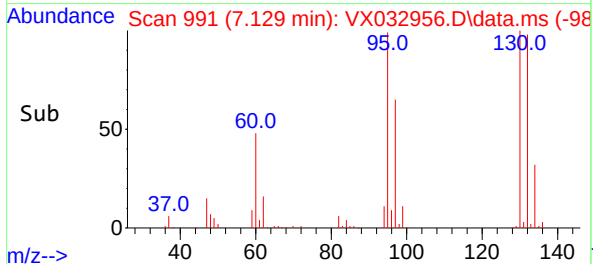
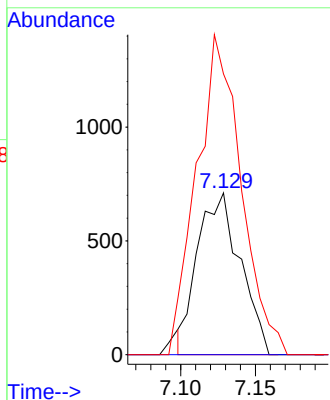
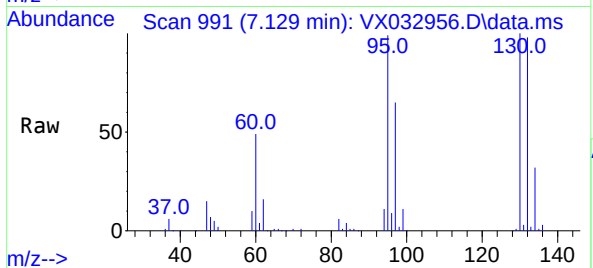




#39
Methylcyclohexane
Concen: 0.756 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

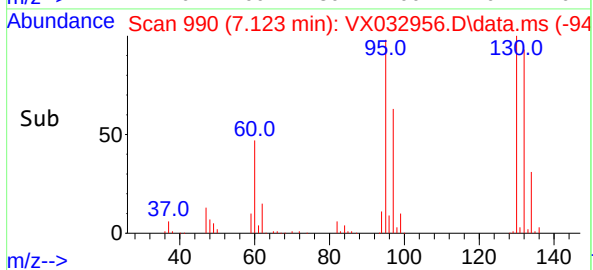
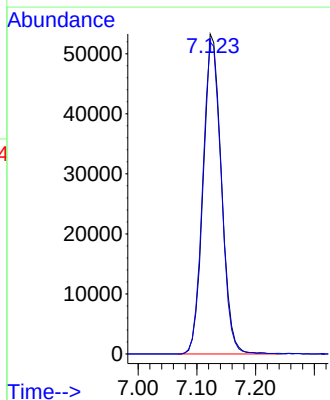
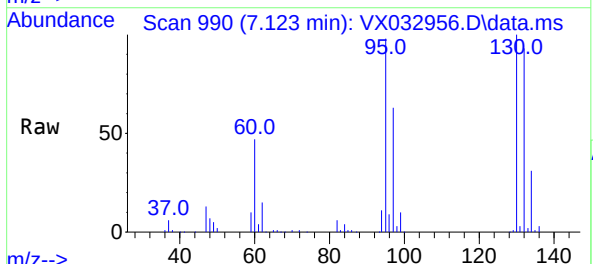
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

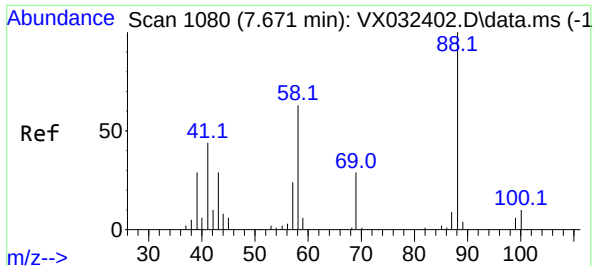
Tgt Ion: 83 Resp: 1405
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 159.9 37.2 55.8#



#44
Trichloroethene
Concen: 91.614 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion:130 Resp: 114639
Ion Ratio Lower Upper
130 100
95 97.5 0.0 195.2





#49

1,4-Dioxane

Concen: 9.511 ug/l

RT: 7.714 min Scan# 10

Delta R.T. 0.043 min

Lab File: VX032956.D

Acq: 21 Nov 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20221117

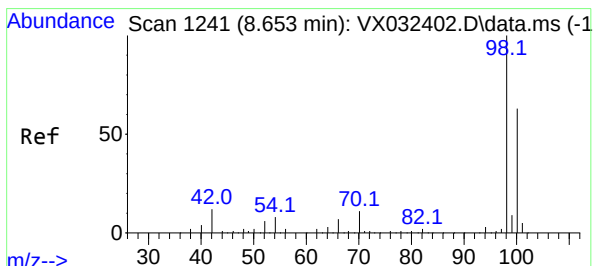
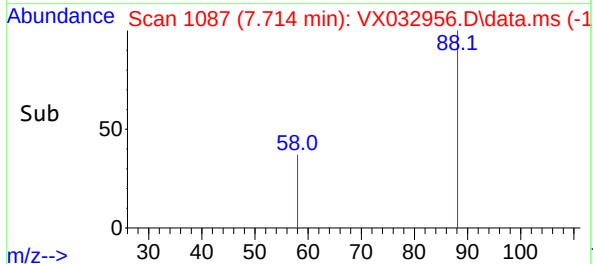
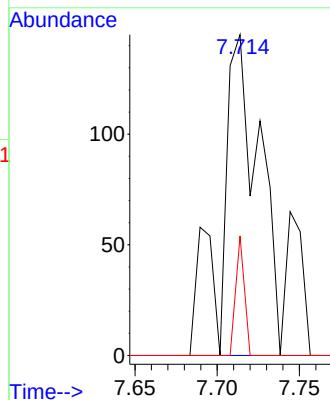
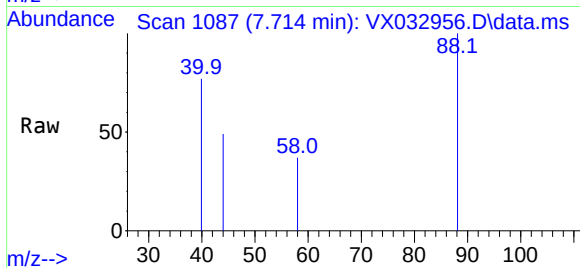
Tgt Ion: 88 Resp: 235

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 8.5 51.7 77.5#



#50

Toluene-d8

Concen: 50.689 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032956.D

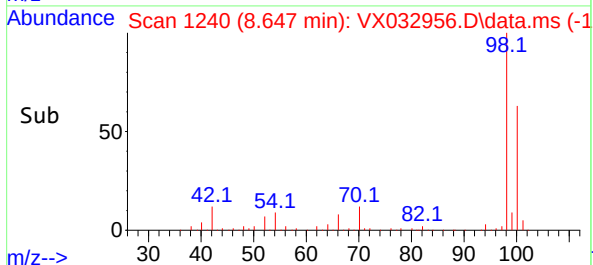
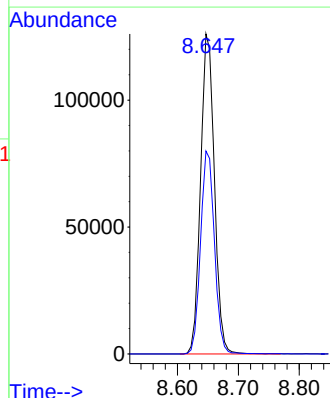
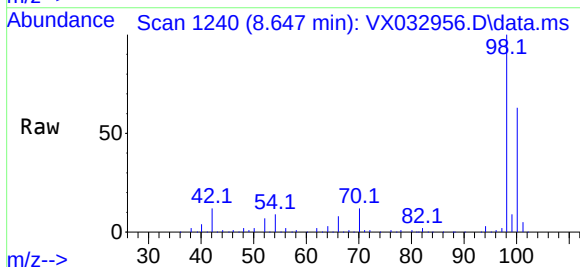
Acq: 21 Nov 2022 16:42

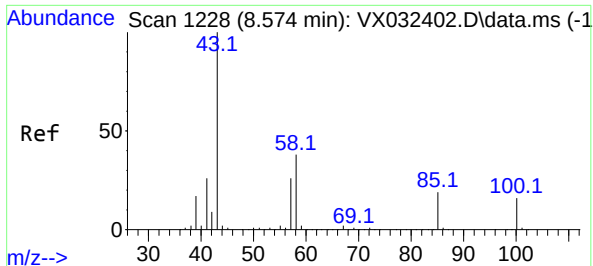
Tgt Ion: 98 Resp: 198819

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.596 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX032956.D

Acq: 21 Nov 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

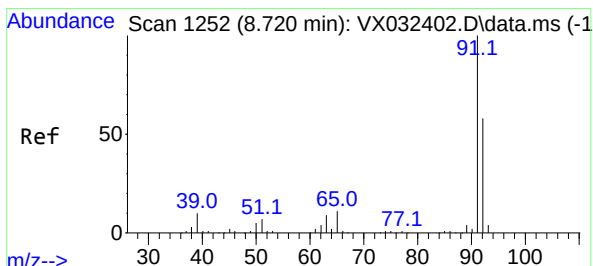
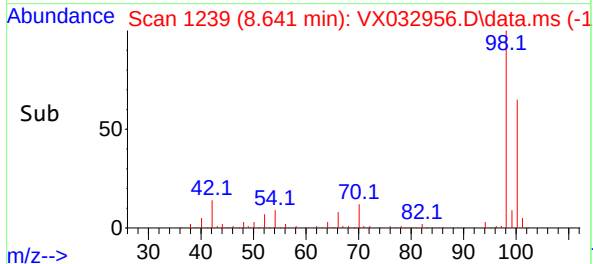
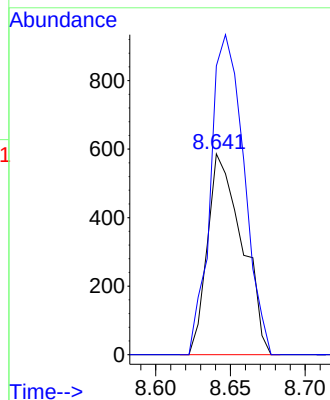
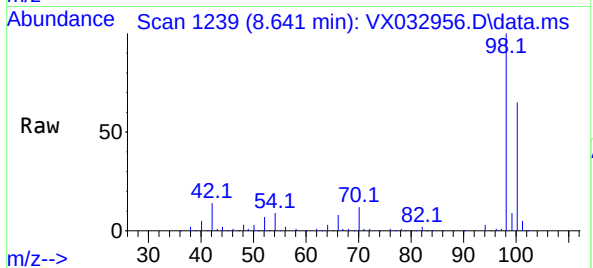
RE114D2-20221117

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

58 154.5 30.9 46.3#



#52

Toluene

Concen: 0.382 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032956.D

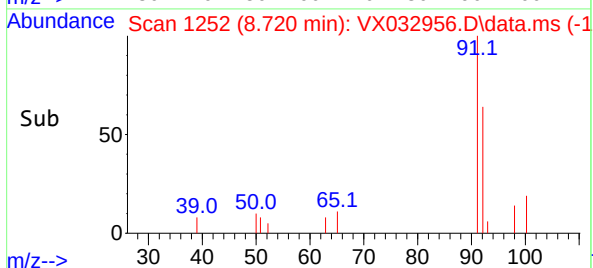
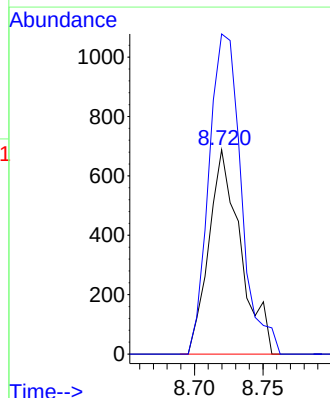
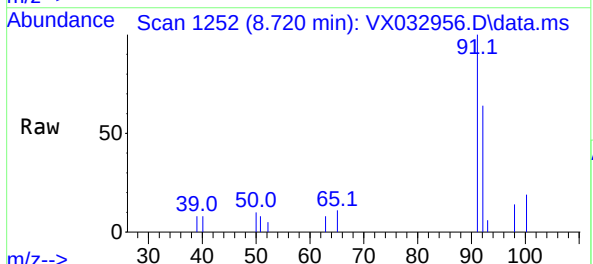
Acq: 21 Nov 2022 16:42

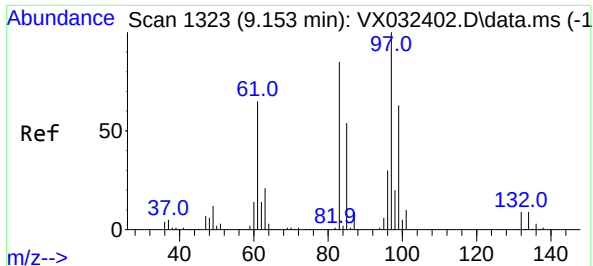
Tgt Ion: 92 Resp: 1107

Ion Ratio Lower Upper

92 100

91 159.7 138.3 207.5



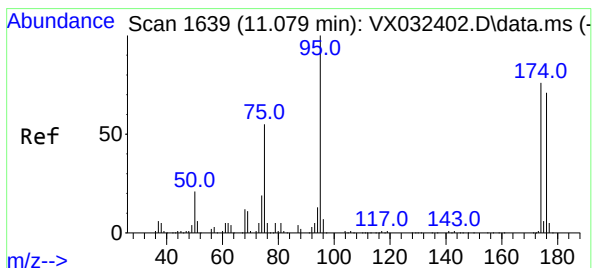
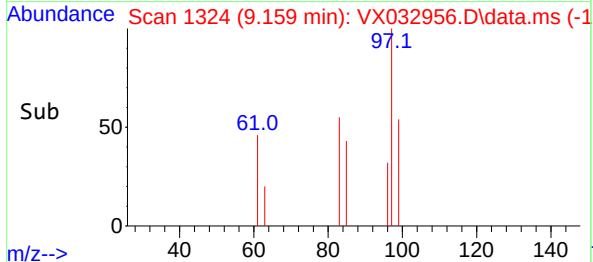
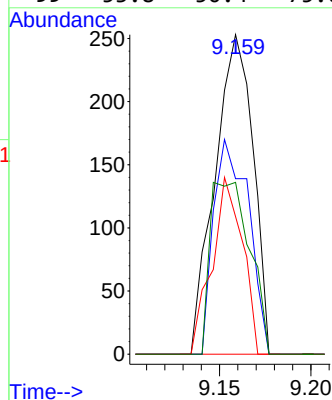
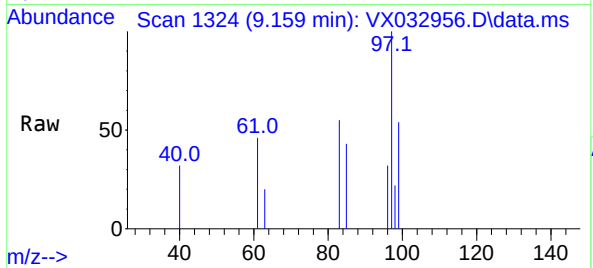


#55
1,1,2-Trichloroethane
Concen: 0.301 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

Tgt Ion: 97 Resp: 368

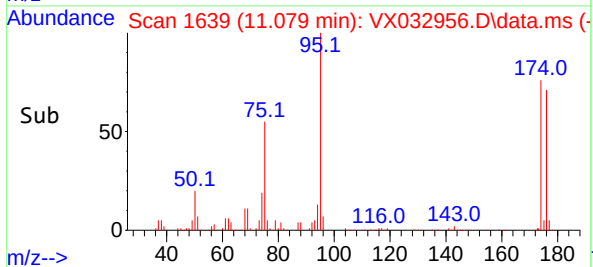
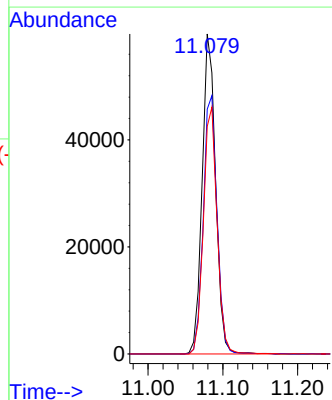
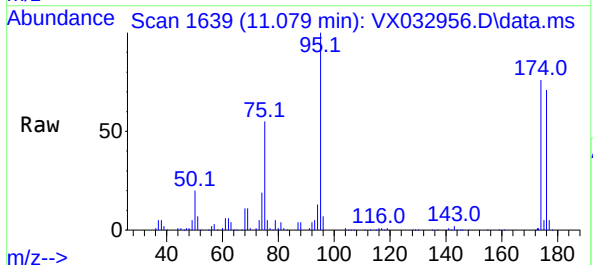
Ion	Ratio	Lower	Upper
97	100		
83	54.9	68.1	102.1#
85	43.1	43.3	64.9#
99	53.8	50.4	75.6

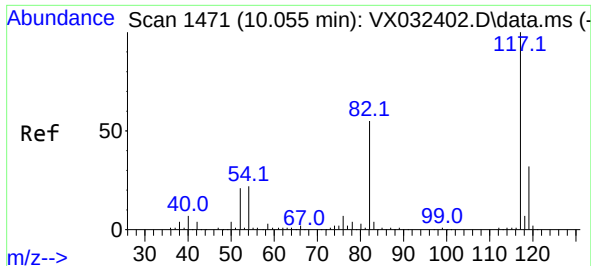


#62
4-Bromofluorobenzene
Concen: 48.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 95 Resp: 74499

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	164.0
176	78.7	0.0	154.4

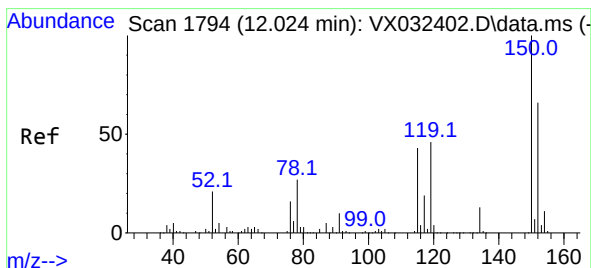
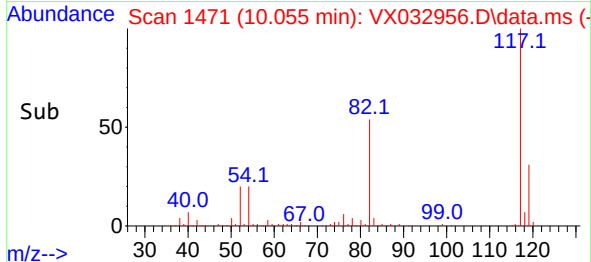
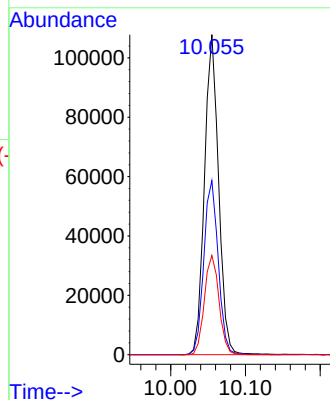
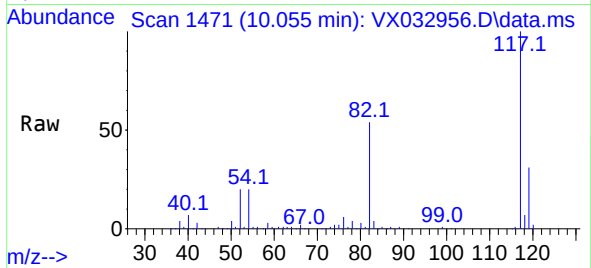




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

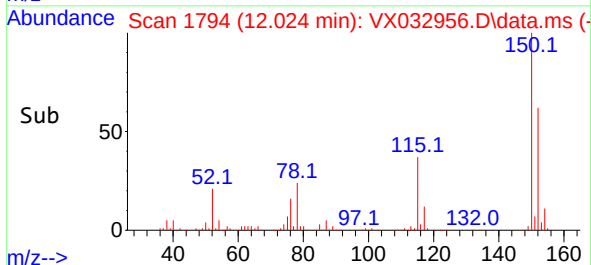
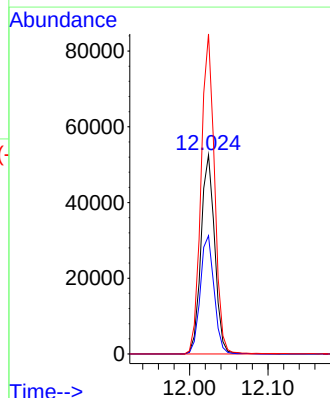
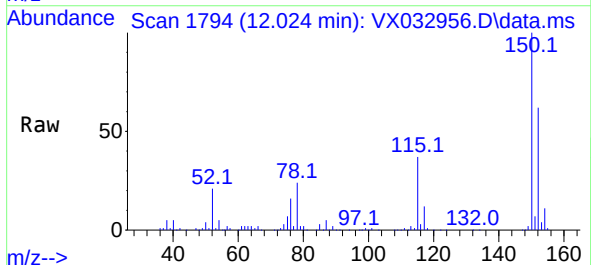
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

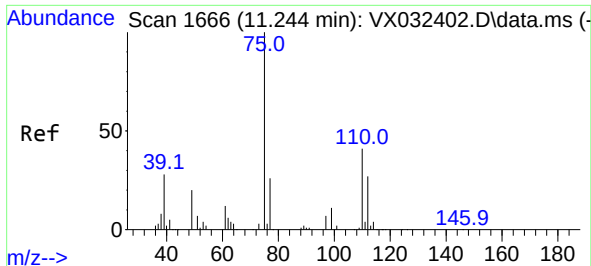
Tgt Ion:117 Resp: 141548
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 31.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion:152 Resp: 63997
Ion Ratio Lower Upper
152 100
115 59.7 44.0 132.0
150 158.6 0.0 351.8

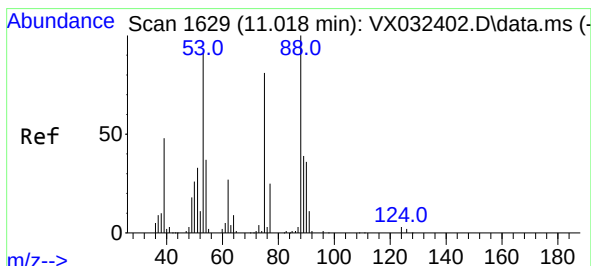
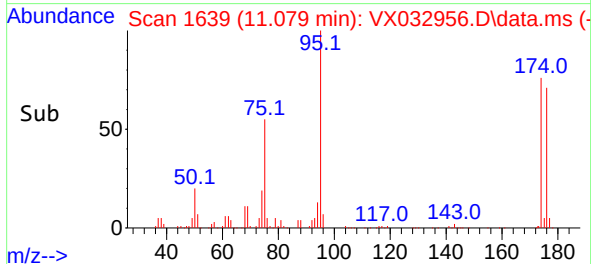
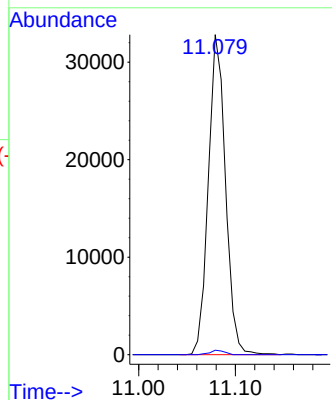
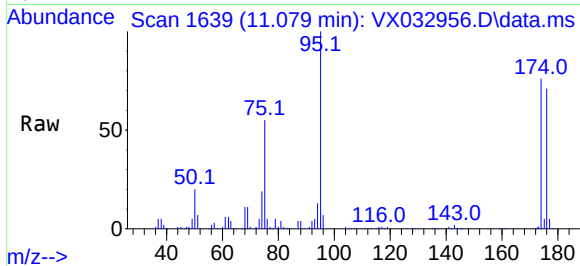




#76
1,2,3-Trichloropropane
Concen: 28.498 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20221117

Tgt Ion: 75 Resp: 40575
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032956.D
Acq: 21 Nov 2022 16:42

Tgt Ion: 75 Resp: 40575
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

