

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025817.D
 Acq On : 15 Dec 2021 16:15
 Operator : JC/MD
 Sample : M4988-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20211207DL

Quant Time: Dec 16 07:30:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

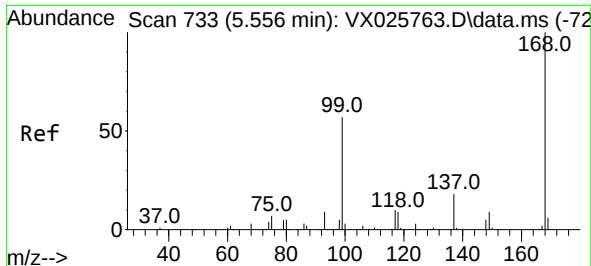
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	135735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93558	47.905	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.820%		
35) Dibromofluoromethane	5.391	113	78408	47.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	8.653	98	284344	47.234	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.460%		
62) 4-Bromofluorobenzene	11.085	95	107758	47.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.240%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	299	0.249	ug/l #	75
6) Chloroethane	1.672	64	264	0.217	ug/l #	42
10) Methyl Iodide	2.465	142	504	0.274	ug/l #	74
11) Tert butyl alcohol	2.940	59	2153	5.496	ug/l #	73
16) Acetone	2.386	43	809	Below Cal		90
20) Methylene Chloride	2.800	84	397	Below Cal #		74
31) Cyclohexane	5.550	56	3073	1.294	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10913	4.871	ug/l #	45
38) Carbon Tetrachloride	5.550	117	14420	5.531	ug/l #	15
39) Methylcyclohexane	7.123	83	1421	0.567	ug/l #	1
44) Trichloroethene	7.129	130	112625	60.527	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	55126	26.761	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55126	82.968	ug/l #	10
95) Naphthalene	13.786	128	159	2.436	ug/l #	69

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

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Response via : Initial Calibration

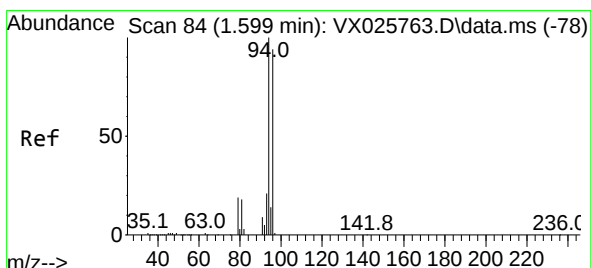
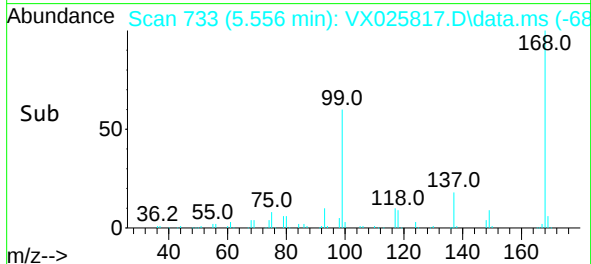
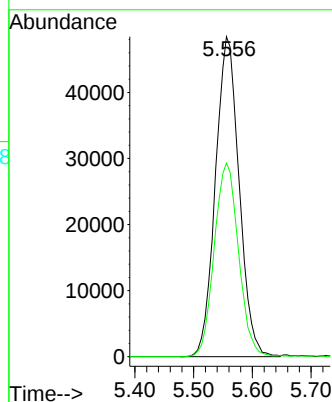
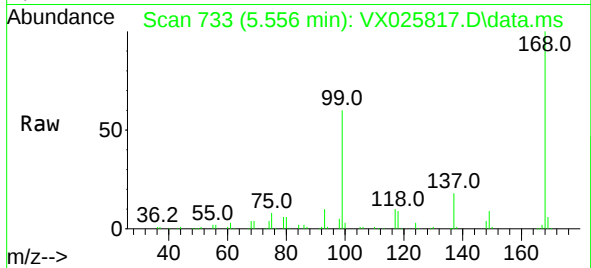




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

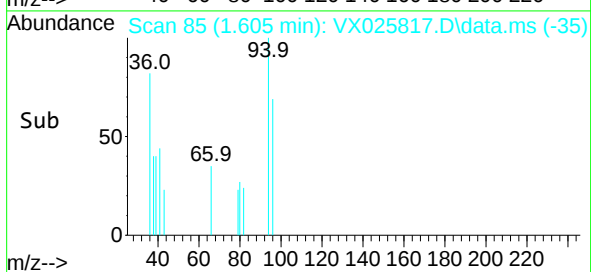
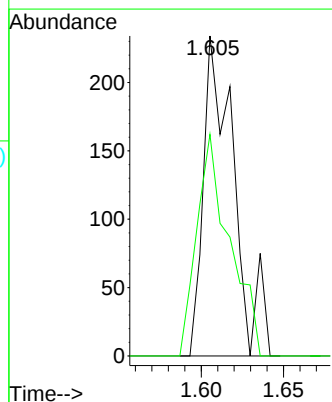
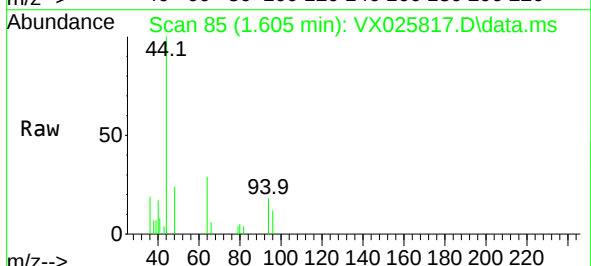
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

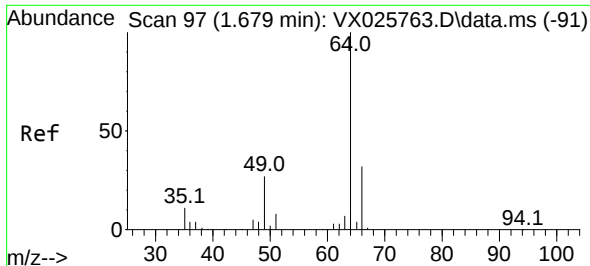
Tgt Ion:168 Resp: 135735
Ion Ratio Lower Upper
168 100
99 60.5 45.8 68.8



#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 69.2 75.0 112.4#

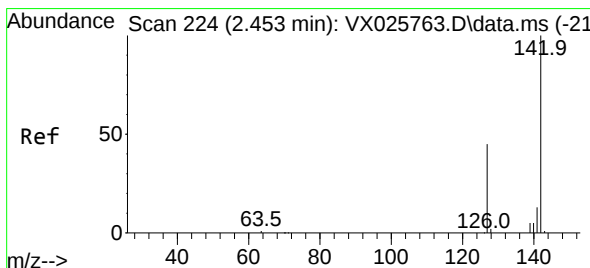
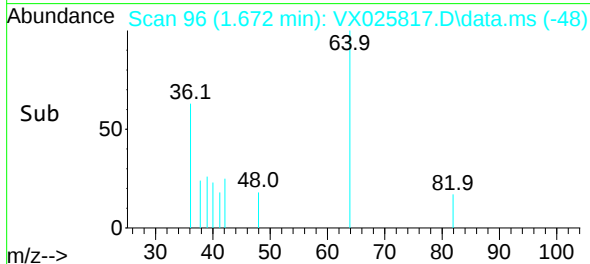
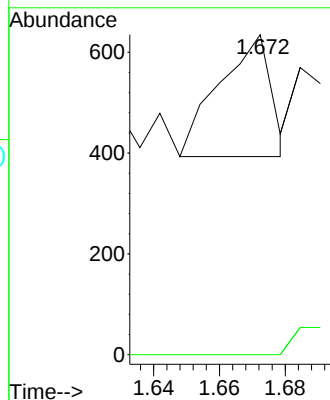
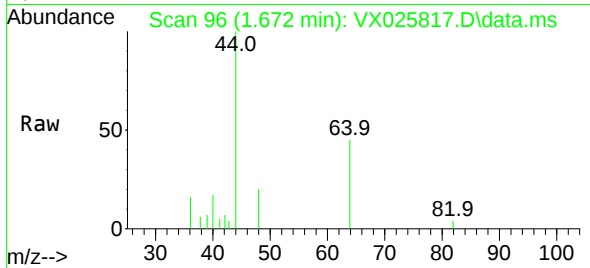




#6
Chloroethane
Concen: 0.217 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

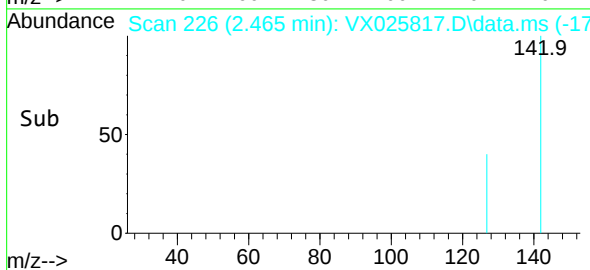
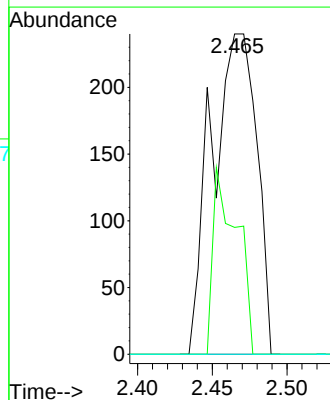
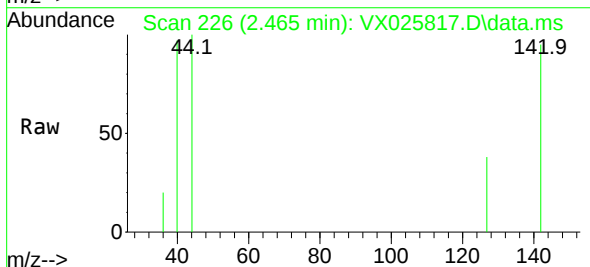
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

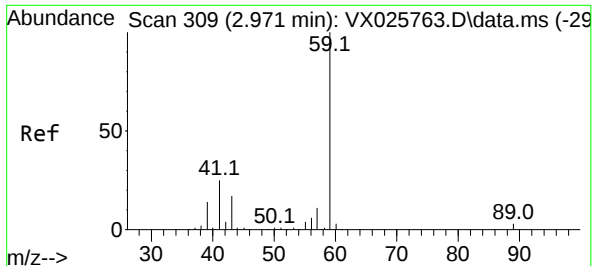
Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 0.274 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 142 Resp: 504
Ion Ratio Lower Upper
142 100
127 31.2 37.5 56.3#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 5.496 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.031 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

Instrument :

MSVOA_X

ClientSampleId :

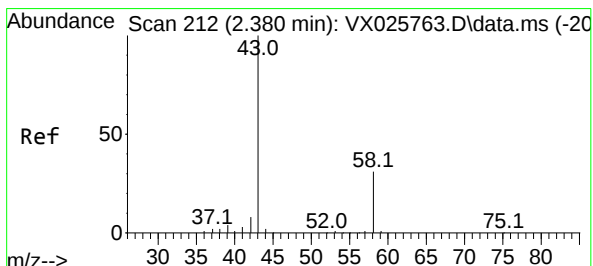
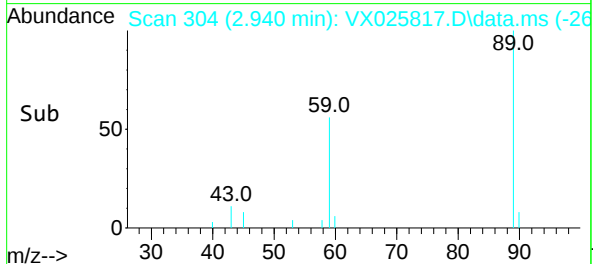
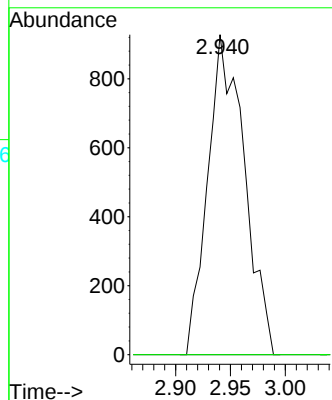
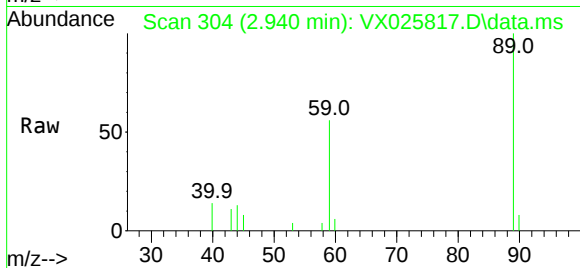
RE126D2-20211207DL

Tgt Ion: 59 Resp: 2153

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025817.D

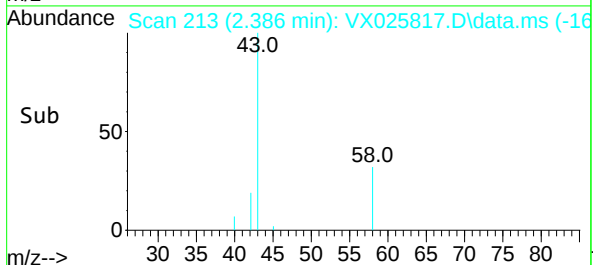
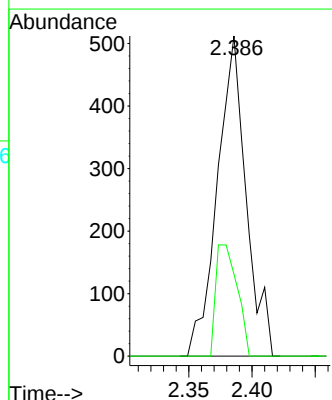
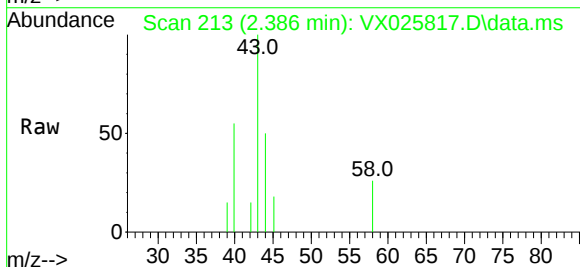
Acq: 15 Dec 2021 16:15

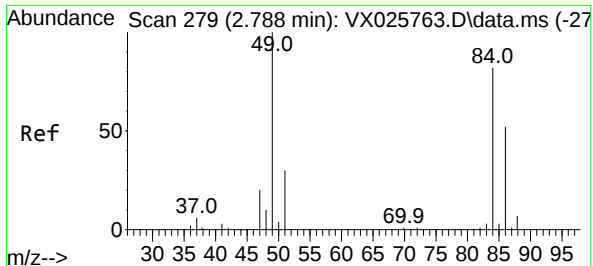
Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

58 25.6 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20211207DL

Tgt Ion: 84 Resp: 397

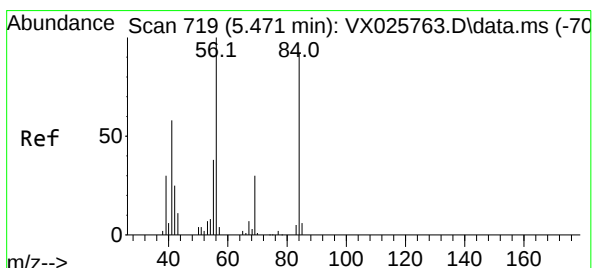
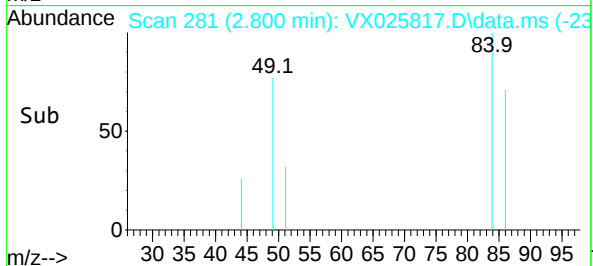
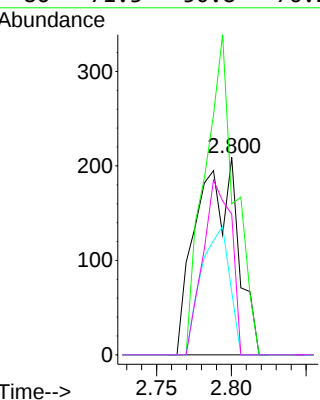
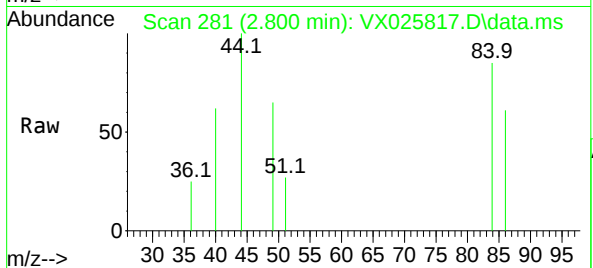
Ion Ratio Lower Upper

84 100

49 76.6 97.1 145.7#

51 32.1 29.3 43.9

86 71.3 50.8 76.2



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

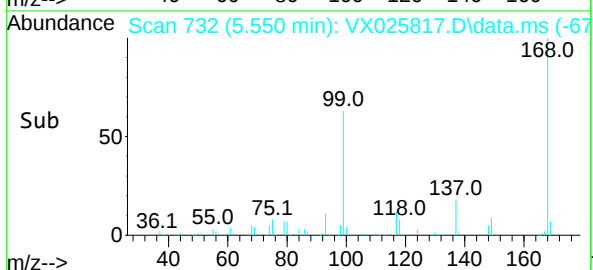
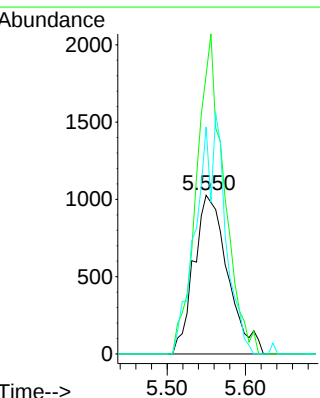
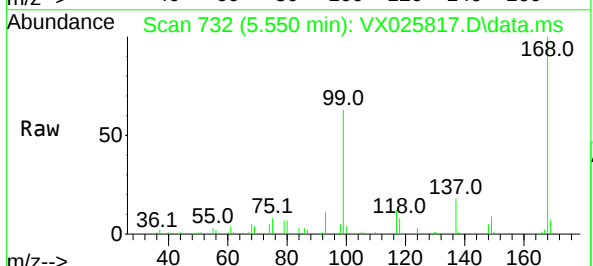
Tgt Ion: 56 Resp: 3073

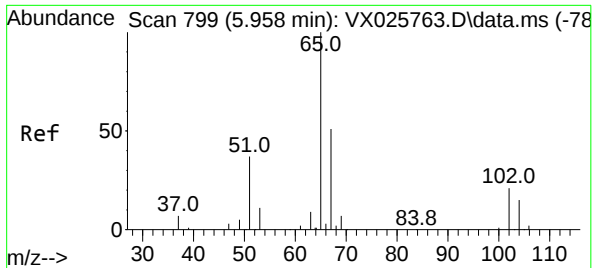
Ion Ratio Lower Upper

56 100

69 175.6 23.9 35.9#

84 143.0 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 47.905 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

Instrument :

MSVOA_X

ClientSampleId :

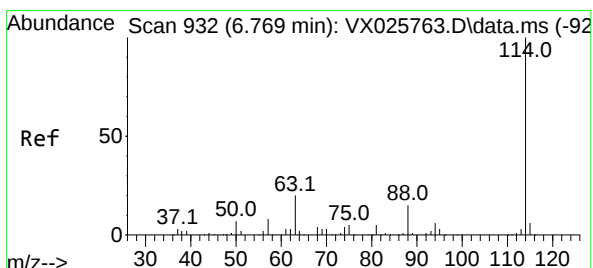
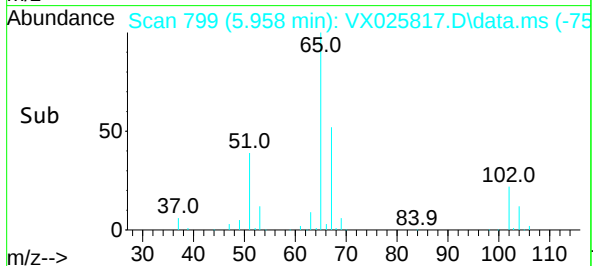
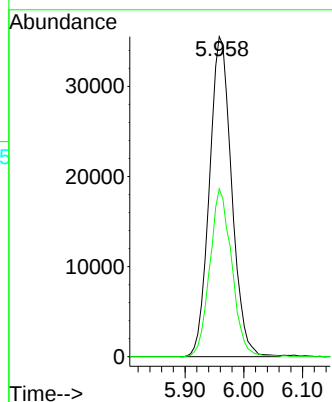
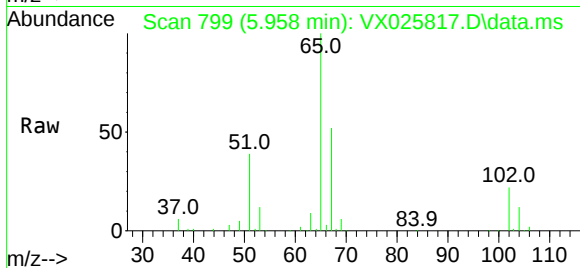
RE126D2-20211207DL

Tgt Ion: 65 Resp: 93558

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

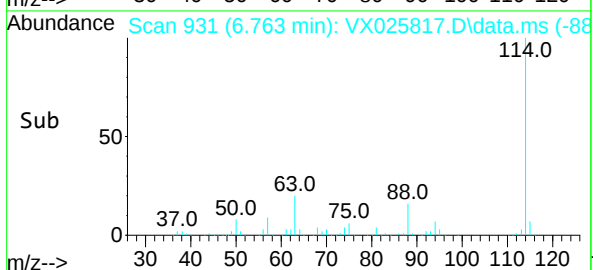
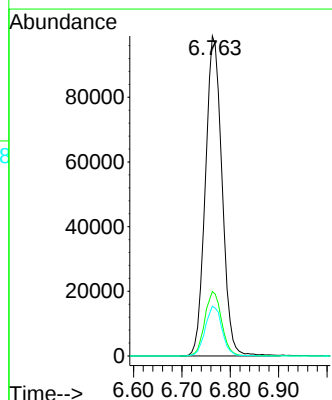
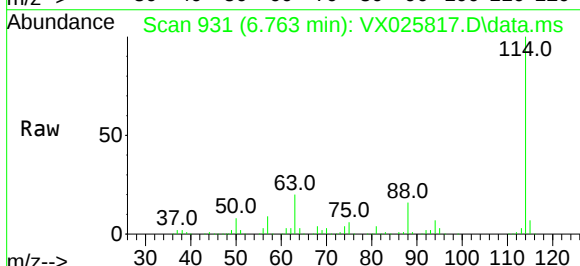
Tgt Ion: 114 Resp: 236906

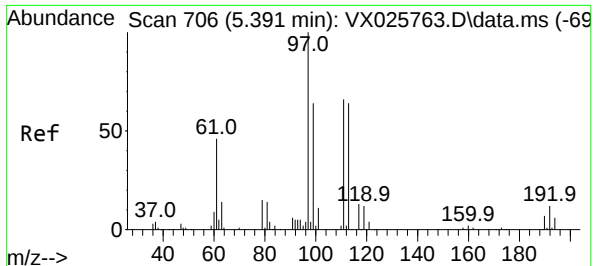
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.456 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025817.D

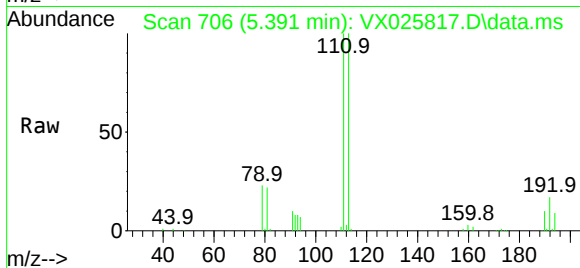
Acq: 15 Dec 2021 16:15

Instrument :

MSVOA_X

ClientSampleId :

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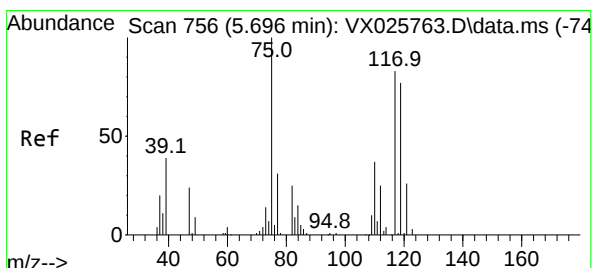
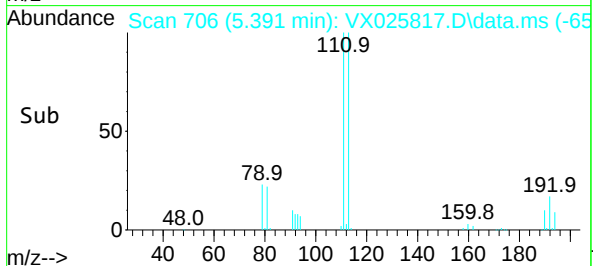
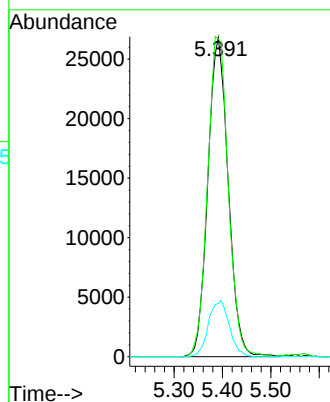
Tgt Ion:113 Resp: 78408

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 18.0 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX025817.D

Acq: 15 Dec 2021 16:15

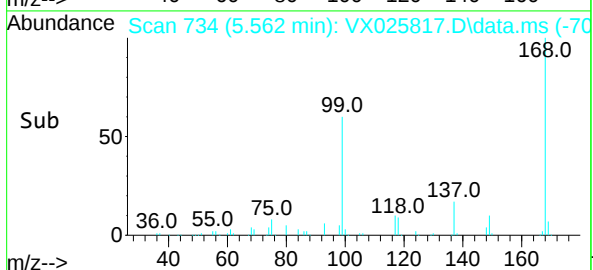
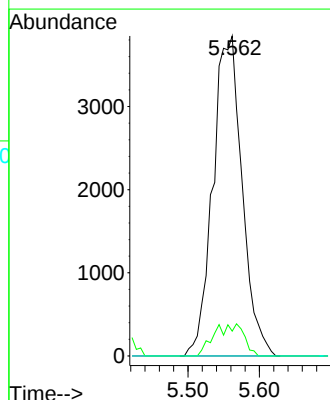
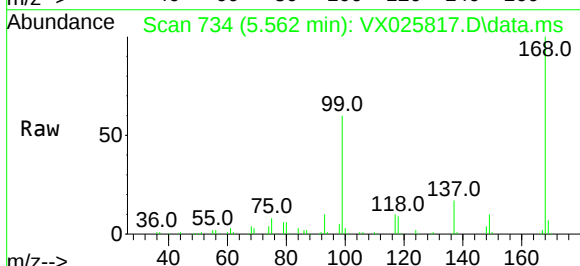
Tgt Ion: 75 Resp: 10913

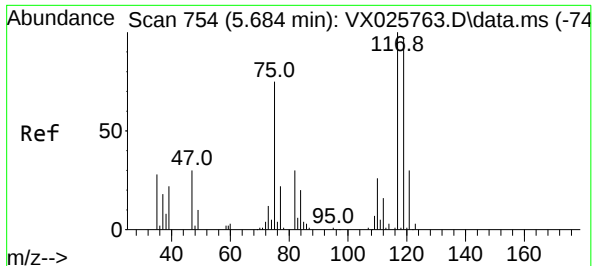
Ion Ratio Lower Upper

75 100

110 4.4 18.2 54.6#

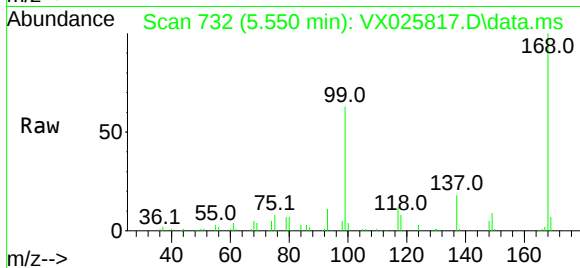
77 0.0 24.7 37.1#



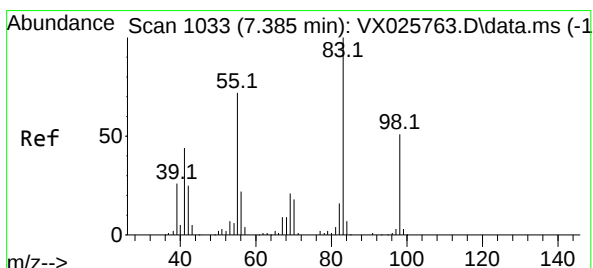
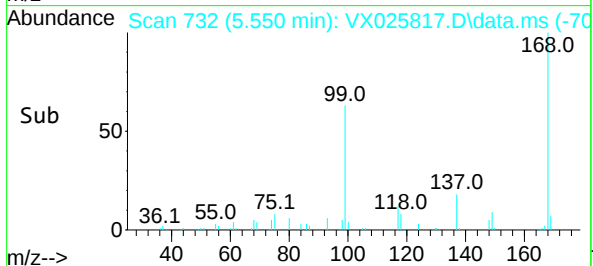
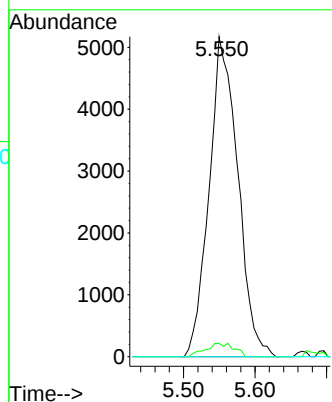


#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

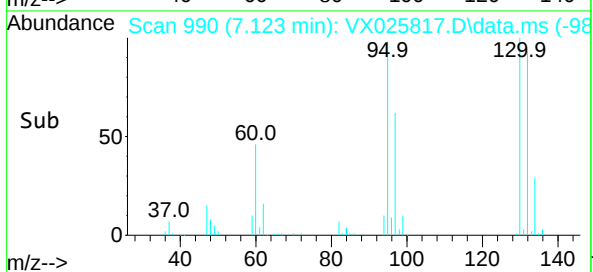
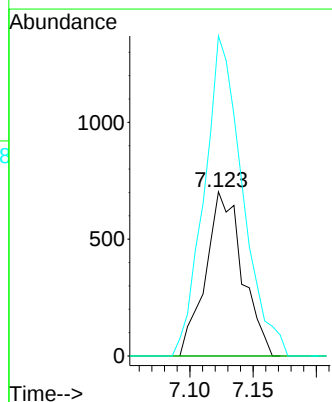
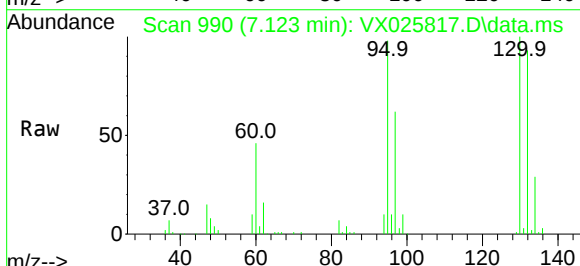


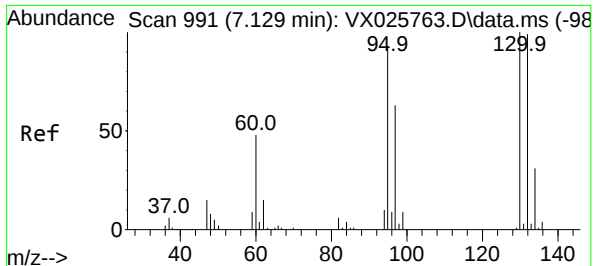
Tgt Ion:117 Resp: 14420
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.567 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 83 Resp: 1421
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 184.2 40.5 60.7#

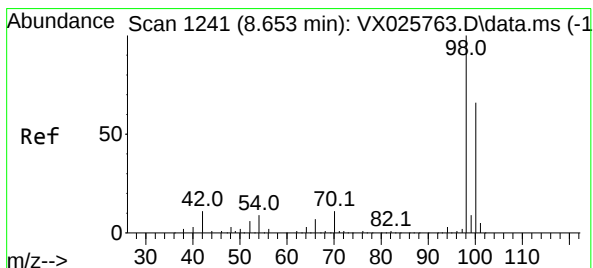
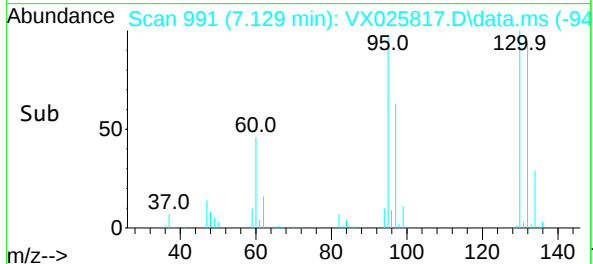
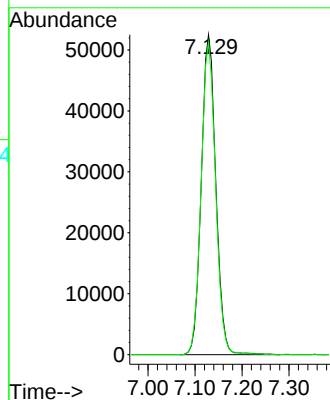
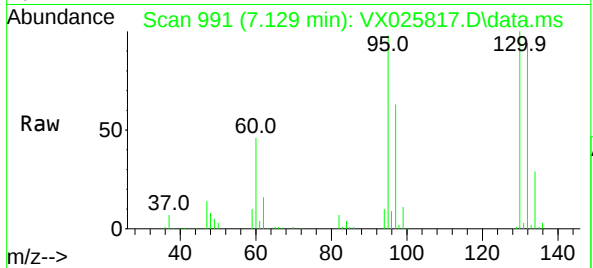




#44
Trichloroethene
Concen: 60.527 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

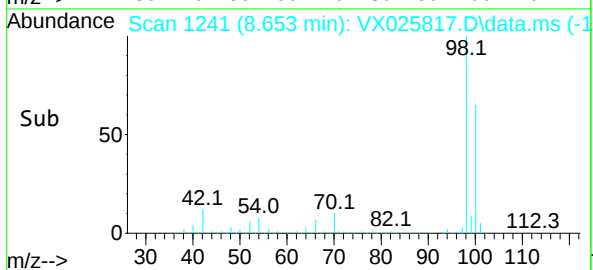
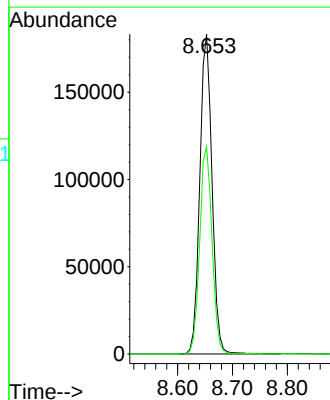
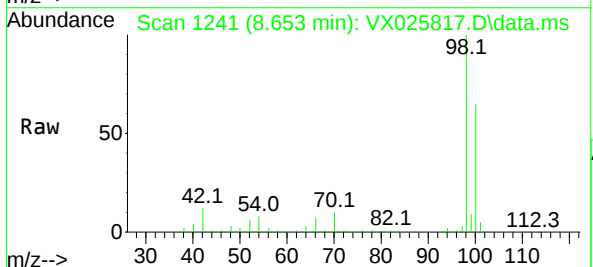
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

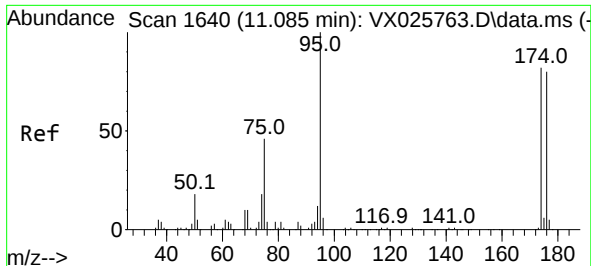
Tgt Ion:130 Resp: 112625
Ion Ratio Lower Upper
130 100
95 97.5 0.0 186.4



#50
Toluene-d8
Concen: 47.234 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 98 Resp: 284344
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

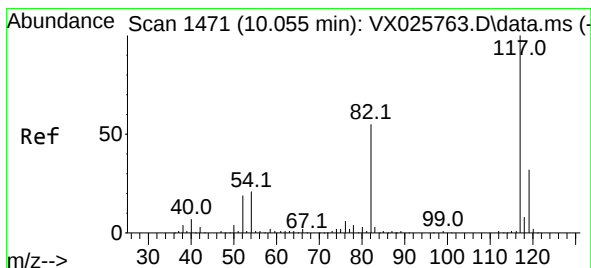
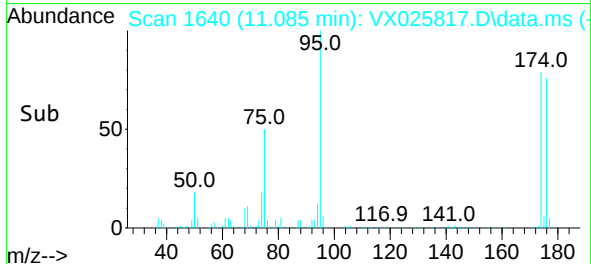
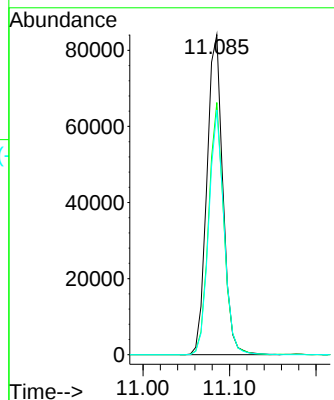
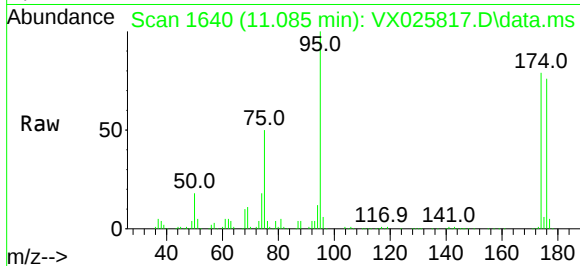




#62
4-Bromofluorobenzene
Concen: 47.123 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

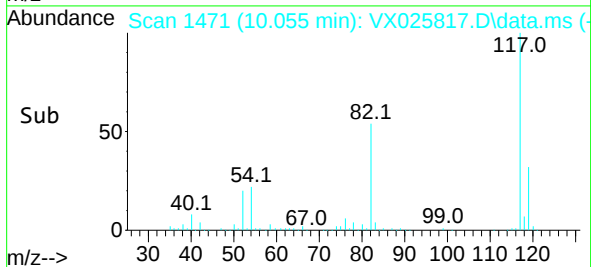
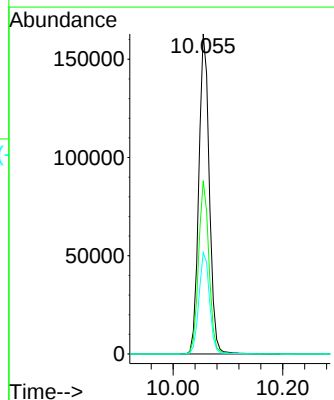
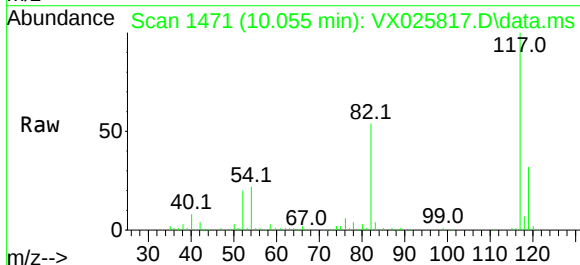
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

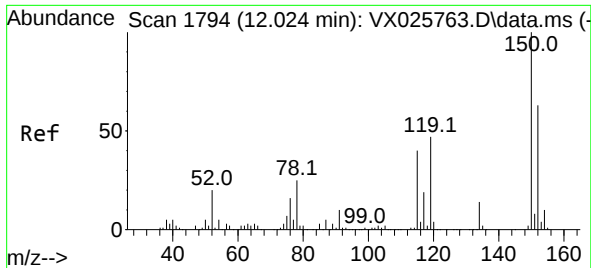
Tgt Ion: 95 Resp: 107758
Ion Ratio Lower Upper
95 100
174 74.5 0.0 157.4
176 72.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 117 Resp: 217868
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.6
119 31.7 25.2 37.8

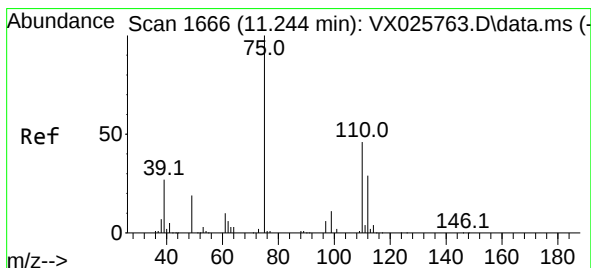
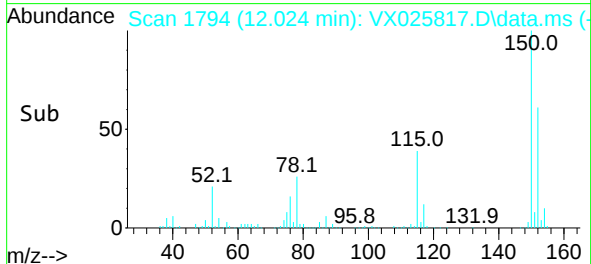
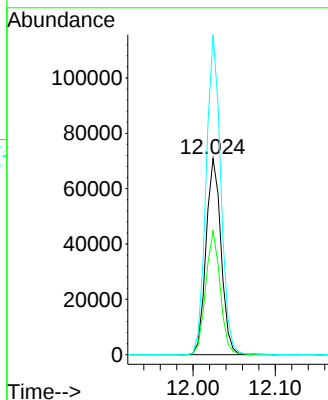
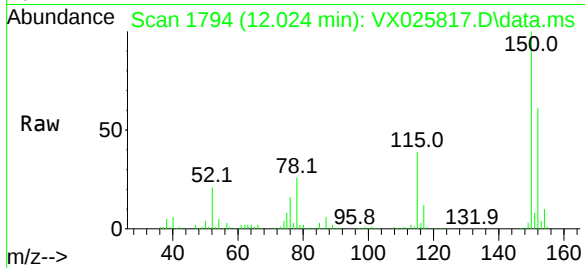




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025817.D
 Acq: 15 Dec 2021 16:15

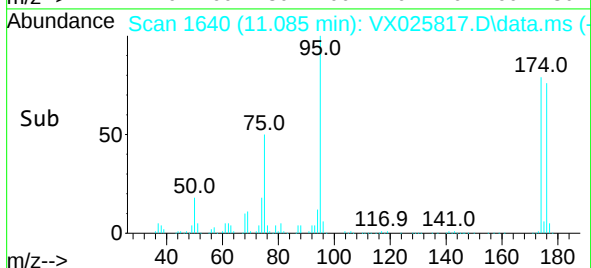
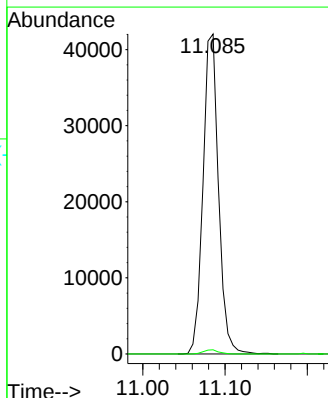
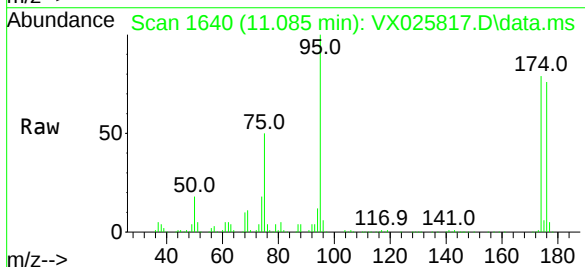
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20211207DL

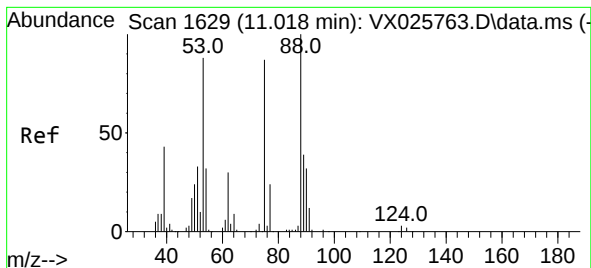
Tgt Ion:152 Resp: 89906
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.3 123.9
 150 159.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.761 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025817.D
 Acq: 15 Dec 2021 16:15

Tgt Ion: 75 Resp: 55126
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.0 57.0#

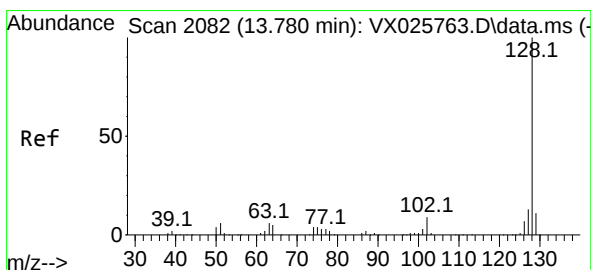
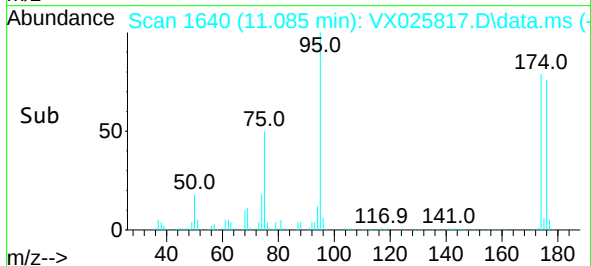
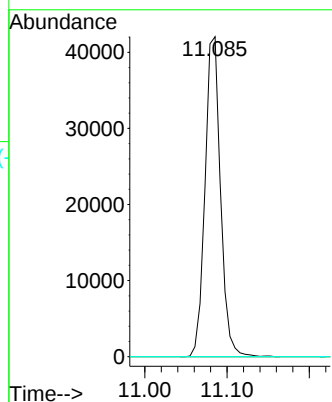
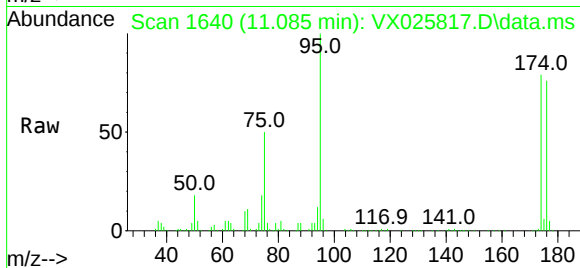




#81
trans-1,4-Dichloro-2-butene
Concen: 82.968 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207DL

Tgt Ion: 75 Resp: 55126
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.436 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025817.D
Acq: 15 Dec 2021 16:15

Tgt Ion: 128 Resp: 159
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

