

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025819.D
 Acq On : 15 Dec 2021 17:02
 Operator : JC/MD
 Sample : M4988-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20211207

Quant Time: Dec 16 07:30:23 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)

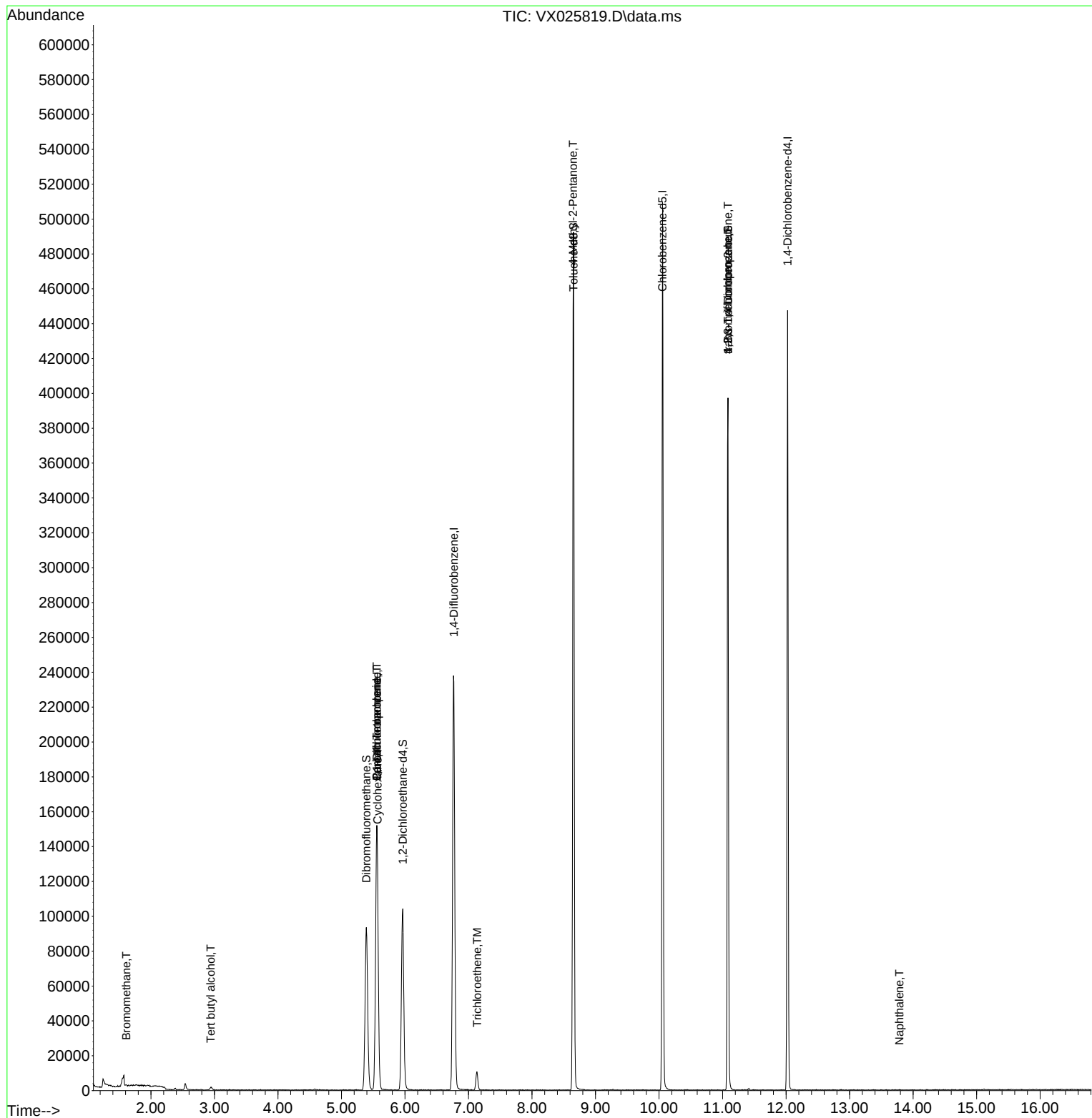
Internal Standards						
1) Pentafluorobenzene	5.556	168	141392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96879	47.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.240%		
35) Dibromofluoromethane	5.391	113	79491	46.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.420%		
50) Toluene-d8	8.653	98	290084	46.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.085	95	107134	45.482	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.960%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	309	0.247	ug/l #	59
11) Tert butyl alcohol	2.940	59	996	2.441	ug/l #	73
16) Acetone	2.386	43	619	Below Cal	#	88
20) Methylene Chloride	2.794	84	94	Below Cal	#	57
31) Cyclohexane	5.568	56	3121	1.262	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	11566	5.011	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15154	5.643	ug/l #	16
44) Trichloroethene	7.135	130	4098	2.138	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1290	0.477	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	55467	26.617	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55467	82.521	ug/l #	10
95) Naphthalene	13.786	128	24	2.415	ug/l #	69

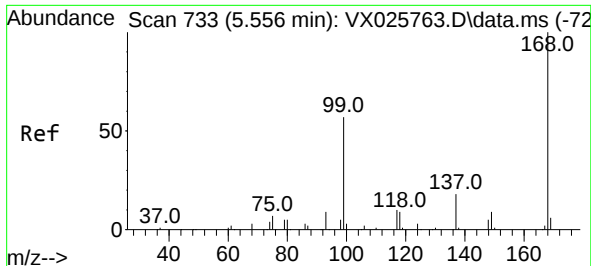
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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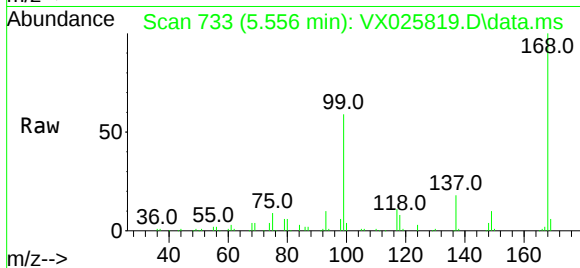
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



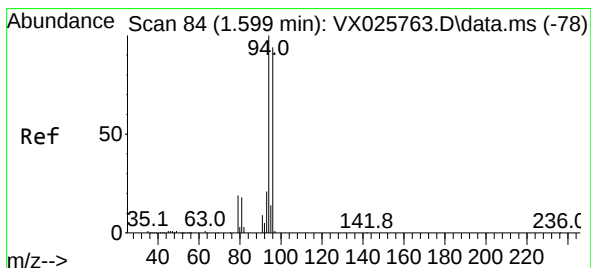
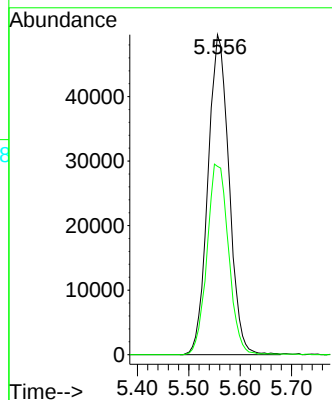
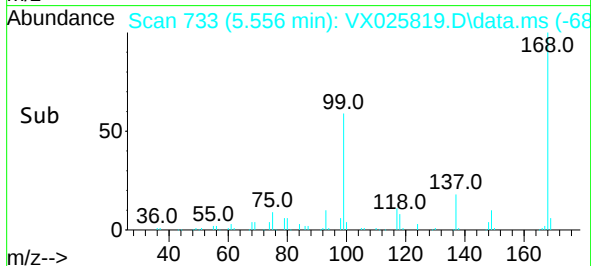


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20211207

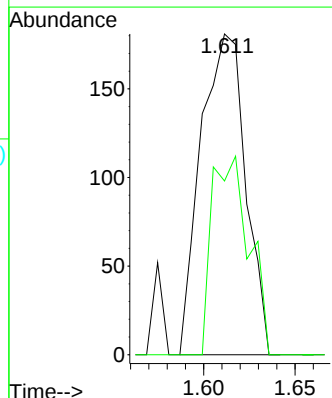
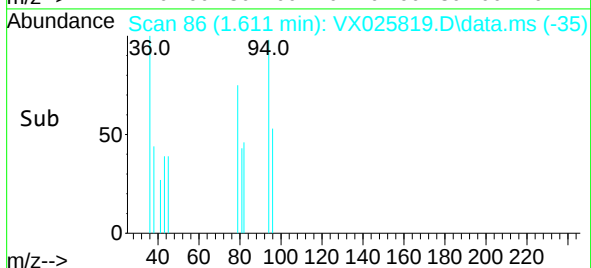
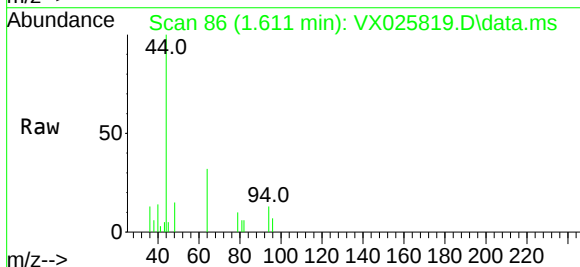


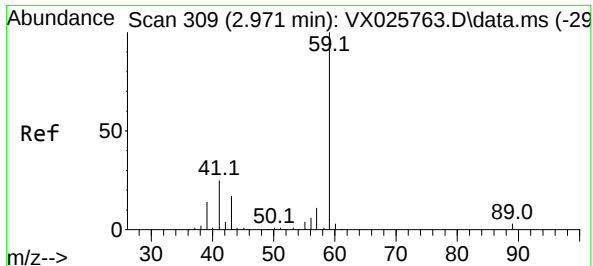
Tgt Ion:168 Resp: 141392
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.8



#5
Bromomethane
Concen: 0.247 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 54.1 75.0 112.4#





#11

Tert butyl alcohol

Concen: 2.441 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.031 min

Lab File: VX025819.D

Acq: 15 Dec 2021 17:02

Instrument :

MSVOA_X

ClientSampleId :

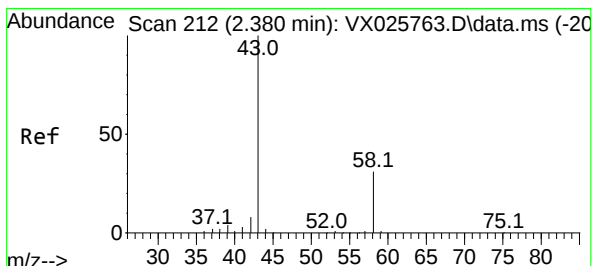
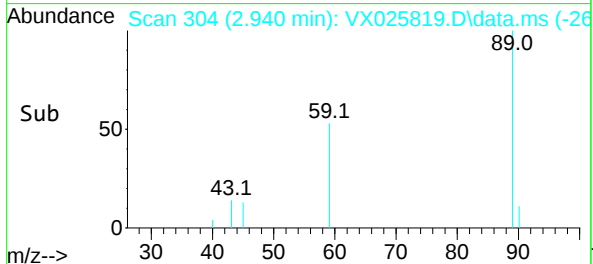
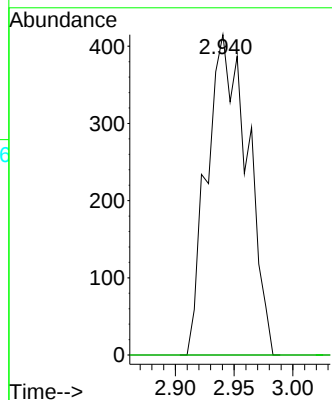
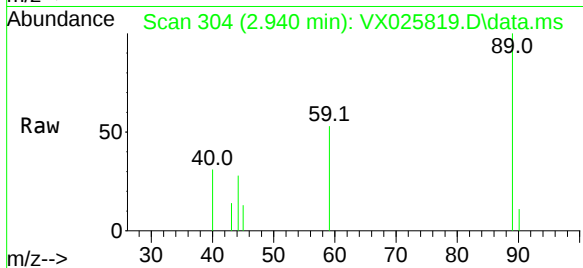
RE122D3-20211207

Tgt Ion: 59 Resp: 996

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: VX025819.D

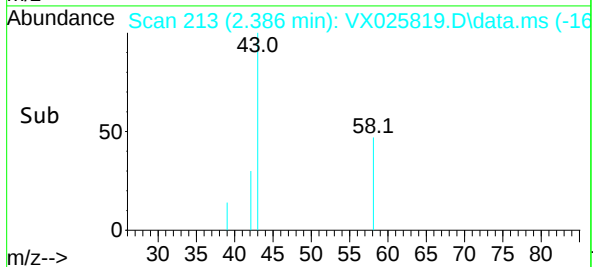
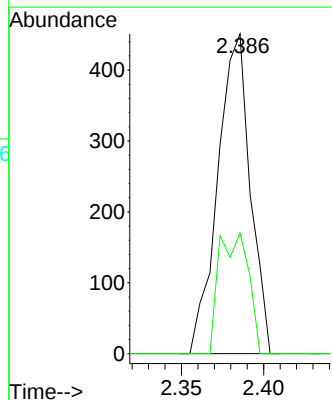
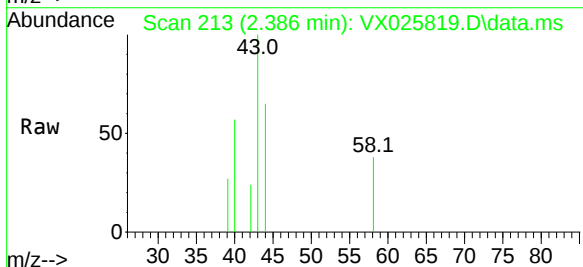
Acq: 15 Dec 2021 17:02

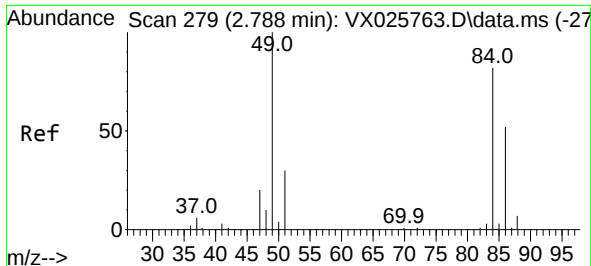
Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

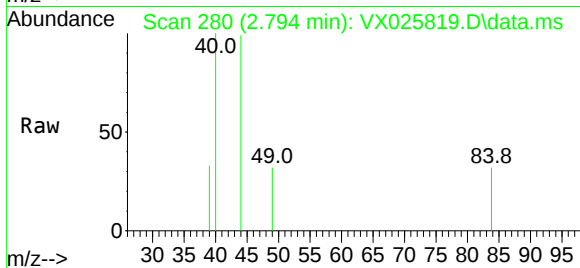
58 37.7 24.8 37.2#



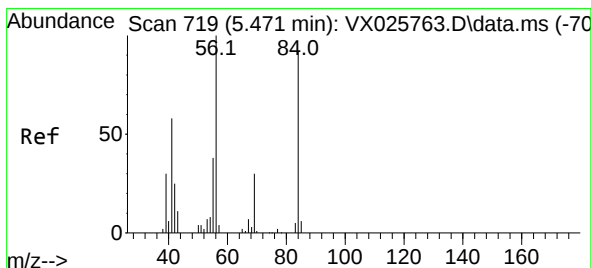
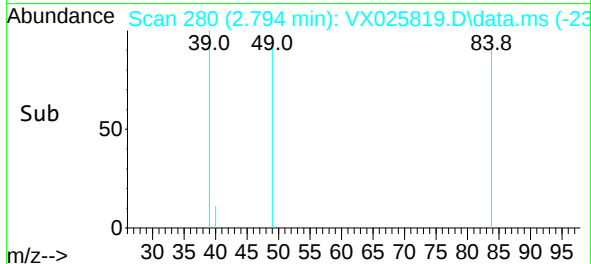
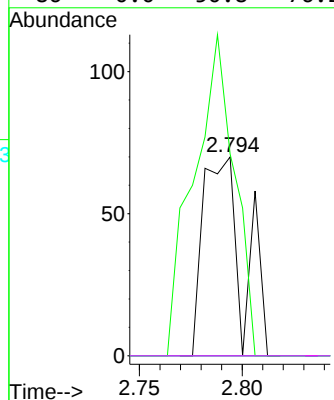


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20211207

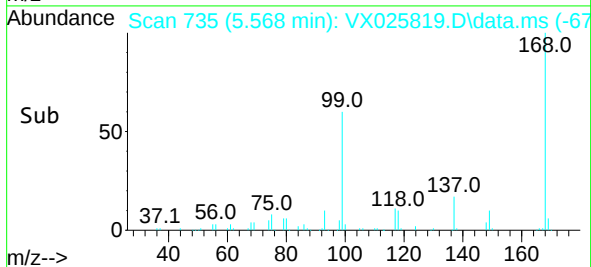
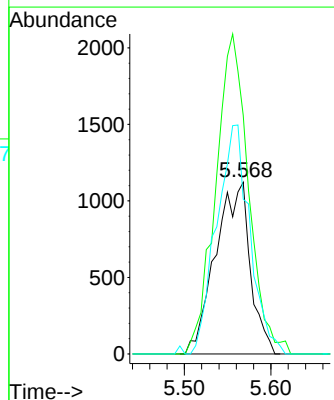
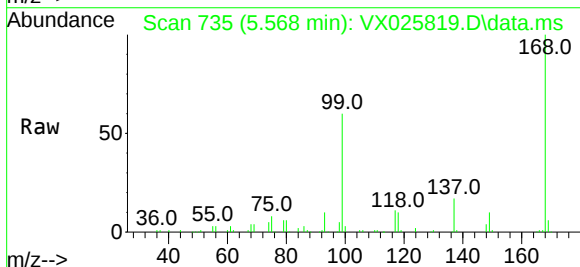


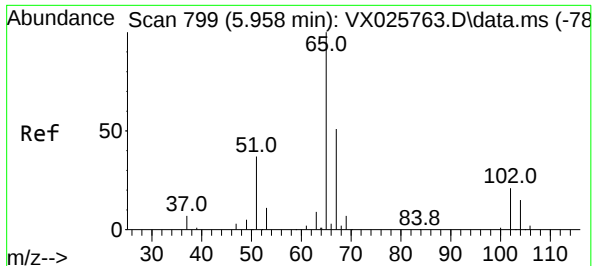
Tgt Ion:	84	Resp:	94
Ion	Ratio	Lower	Upper
84	100		
49	101.4	97.1	145.7
51	0.0	29.3	43.9#
86	0.0	50.8	76.2#



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.097 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion:	56	Resp:	3121
Ion	Ratio	Lower	Upper
56	100		
69	138.9	23.9	35.9#
84	85.5	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 47.621 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025819.D

Acq: 15 Dec 2021 17:02

Instrument :

MSVOA_X

ClientSampleId :

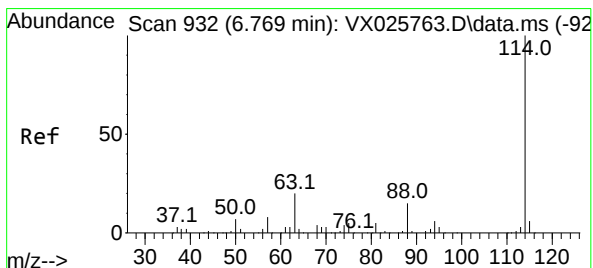
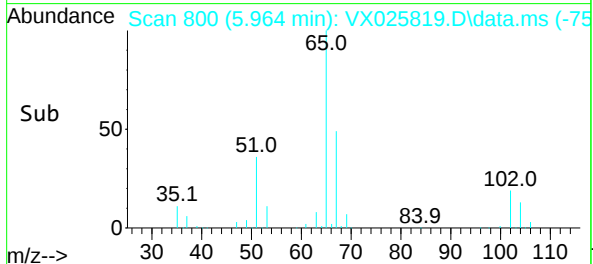
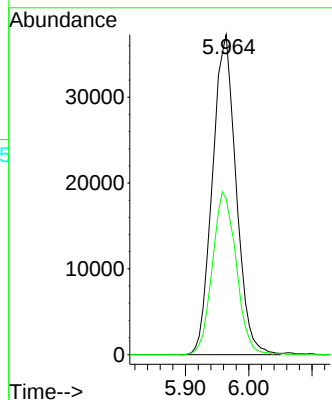
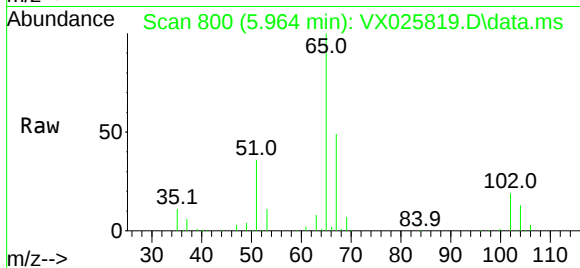
RE122D3-20211207

Tgt Ion: 65 Resp: 96879

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025819.D

Acq: 15 Dec 2021 17:02

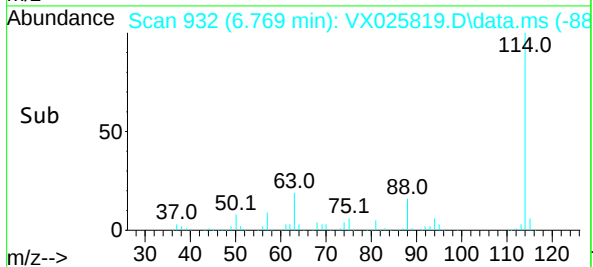
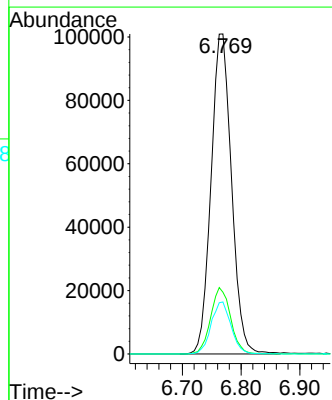
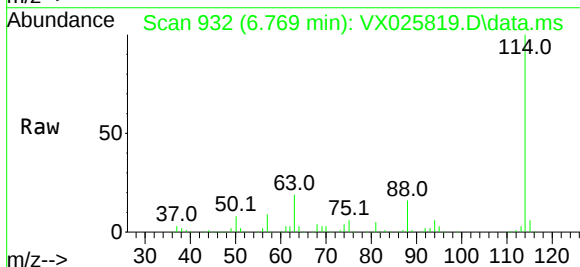
Tgt Ion: 114 Resp: 244036

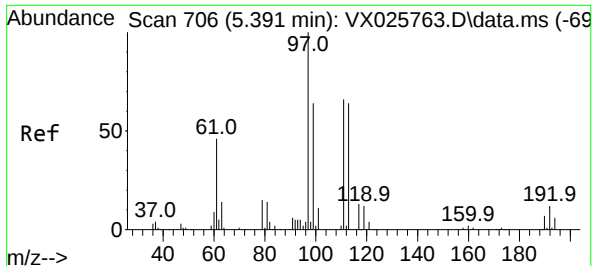
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 16.3 0.0 30.6

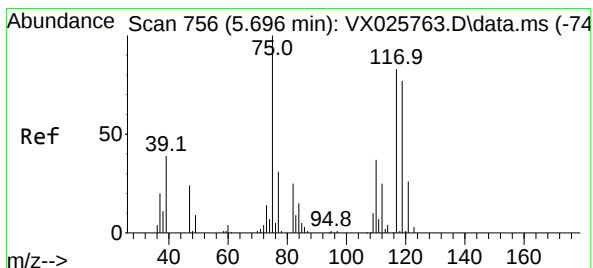
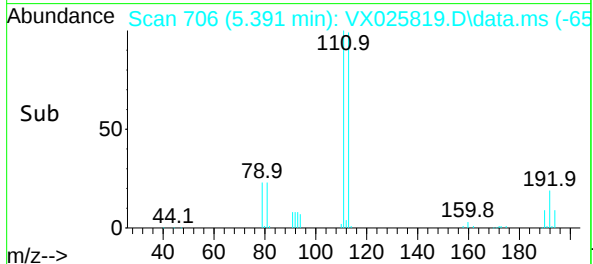
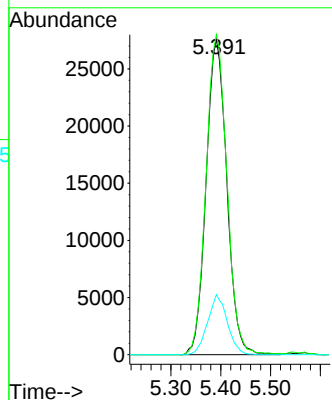
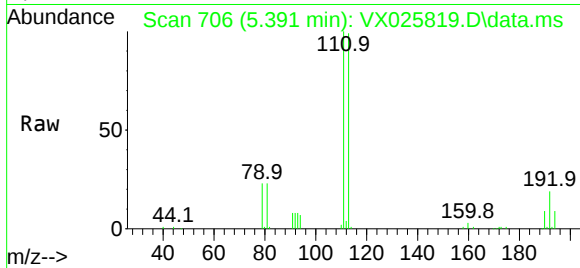




#35
Dibromofluoromethane
Concen: 46.706 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

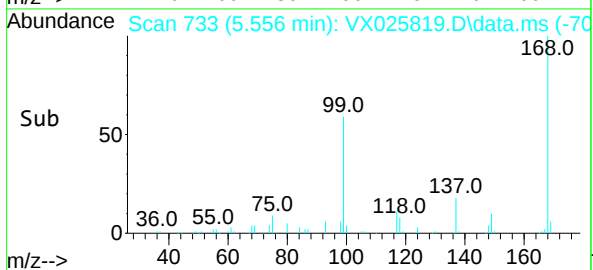
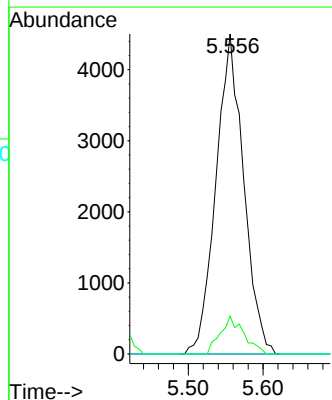
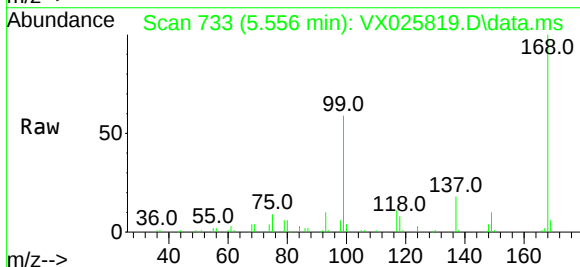
Instrument :
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ClientSampleId :
RE122D3-20211207

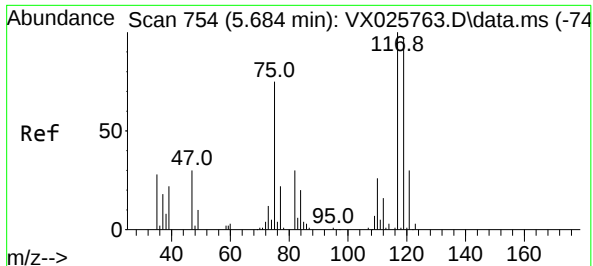
Tgt Ion:113 Resp: 79491
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 18.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

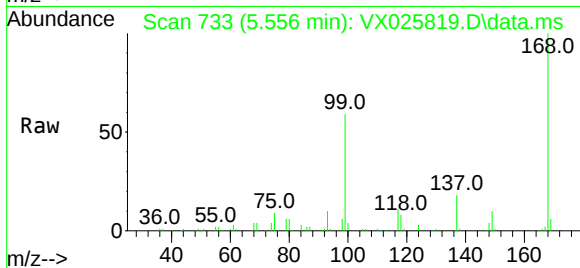
Tgt Ion: 75 Resp: 11566
Ion Ratio Lower Upper
75 100
110 10.0 18.2 54.6#
77 0.0 24.7 37.1#



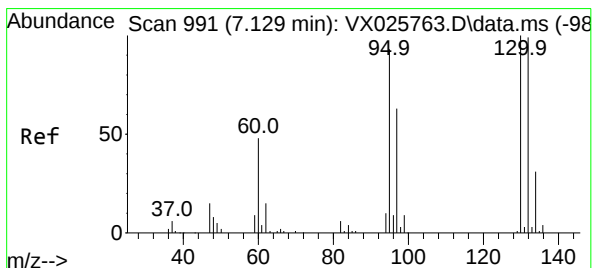
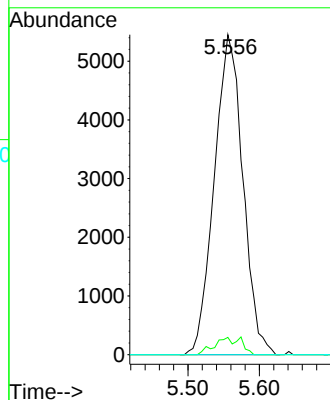
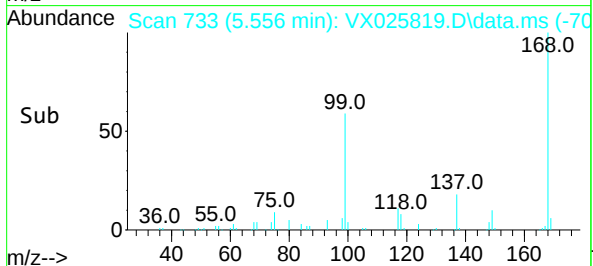


#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20211207

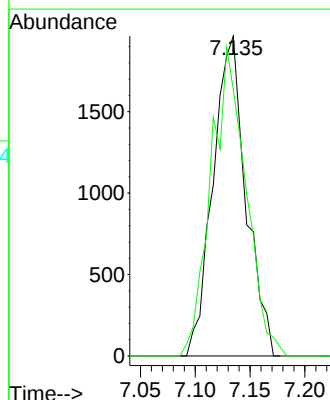
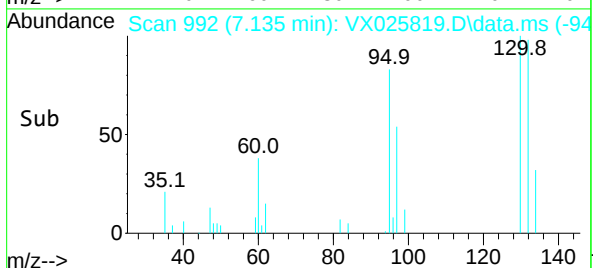
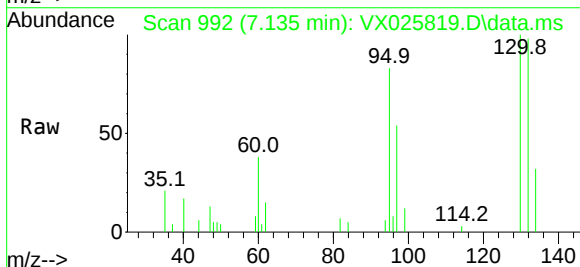


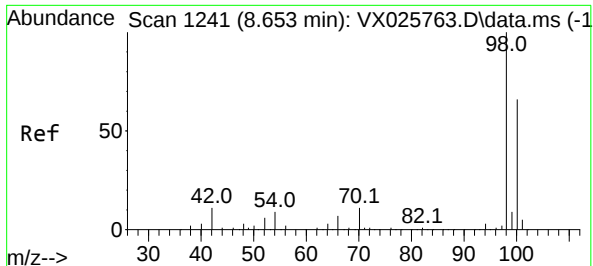
Tgt Ion:117 Resp: 15154
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 2.138 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion:130 Resp: 4098
Ion Ratio Lower Upper
130 100
95 83.2 0.0 186.4

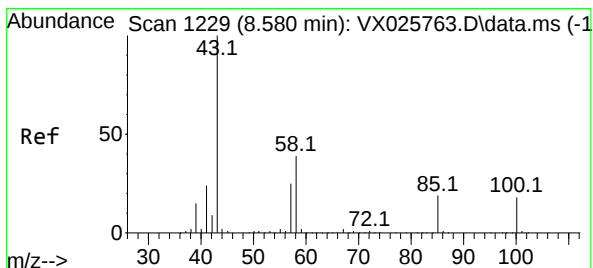
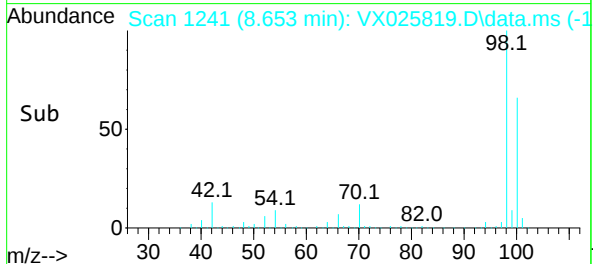
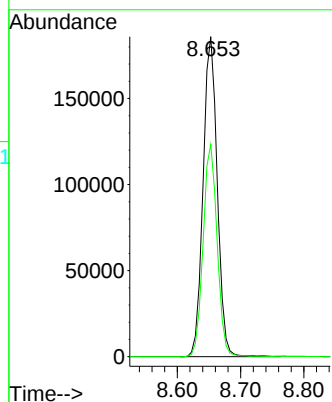
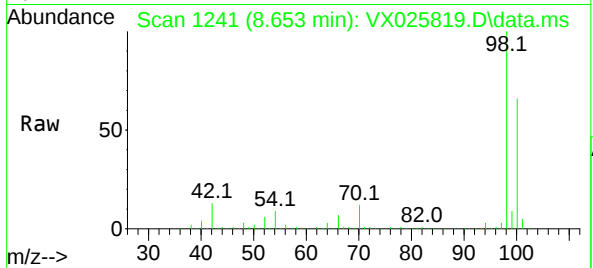




#50
Toluene-d8
Concen: 46.780 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

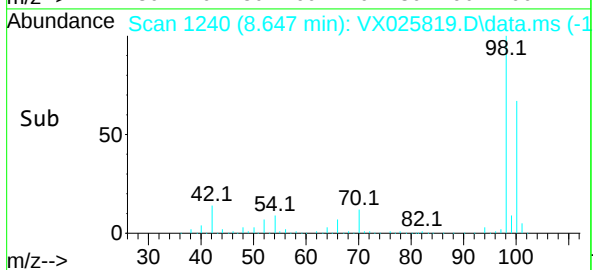
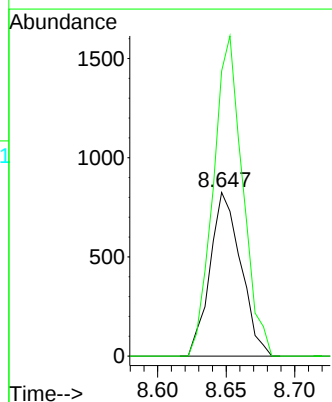
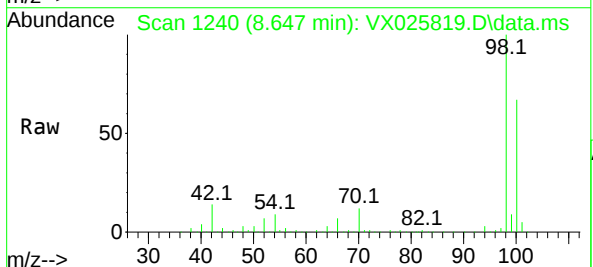
Instrument :
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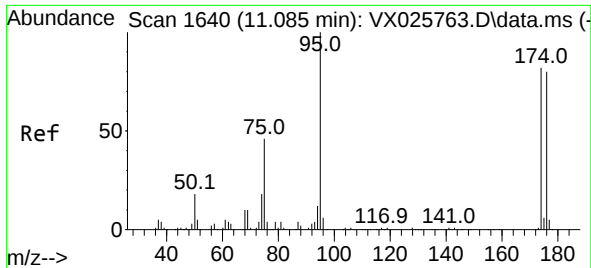
Tgt Ion: 98 Resp: 290084
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 186.4 30.8 46.2#

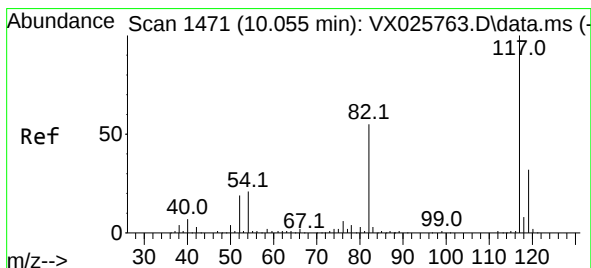
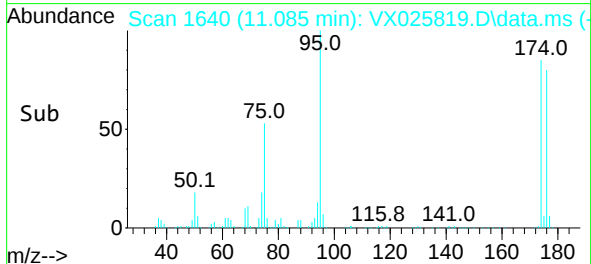
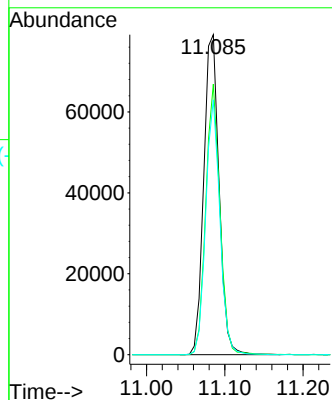
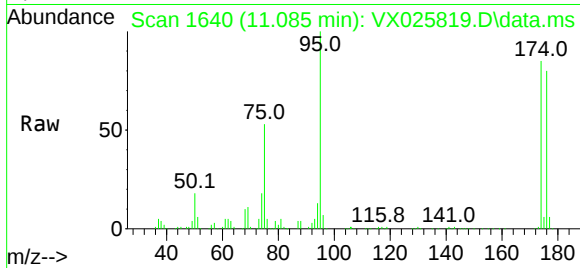




#62
4-Bromofluorobenzene
Concen: 45.482 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

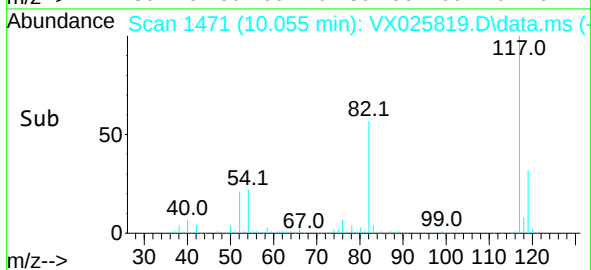
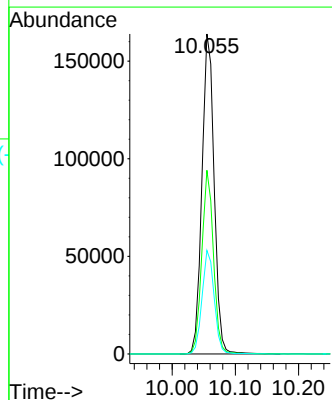
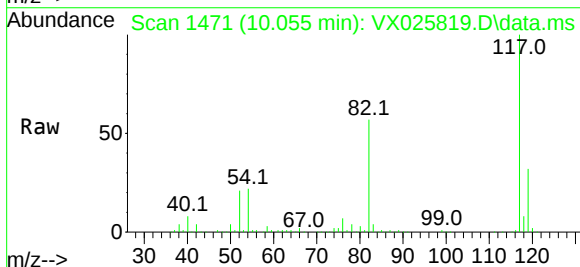
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20211207

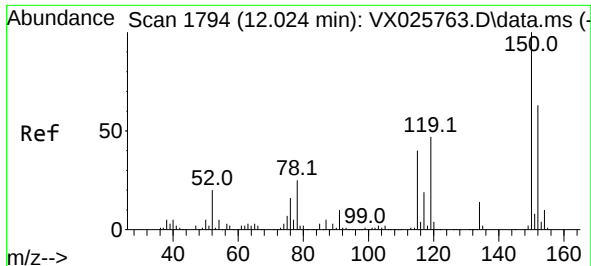
Tgt Ion: 95 Resp: 107134
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.4
176 73.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion: 117 Resp: 220748
Ion Ratio Lower Upper
117 100
82 57.4 43.8 65.6
119 32.3 25.2 37.8

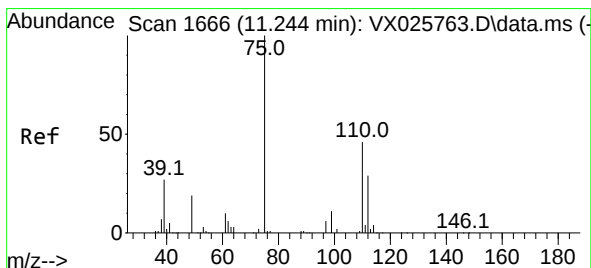
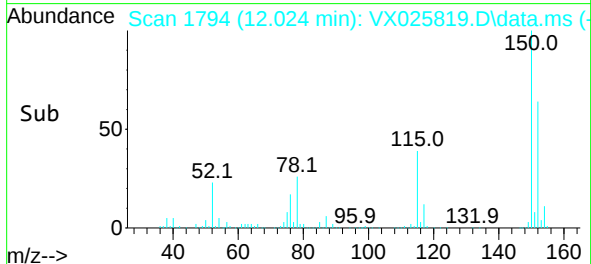
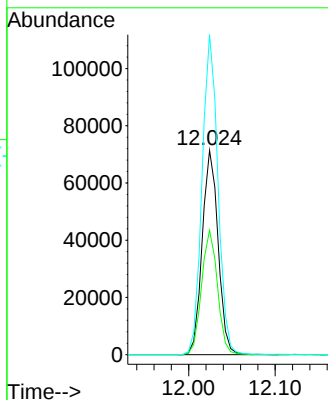
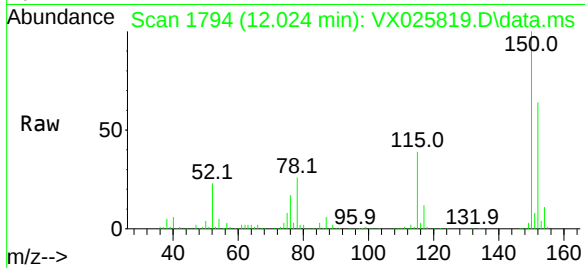




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025819.D
 Acq: 15 Dec 2021 17:02

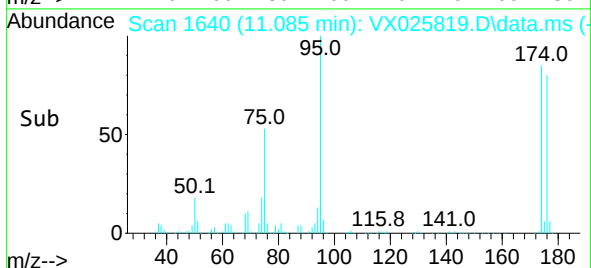
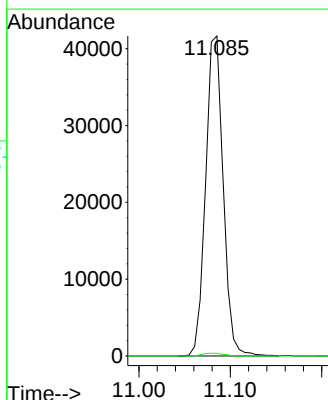
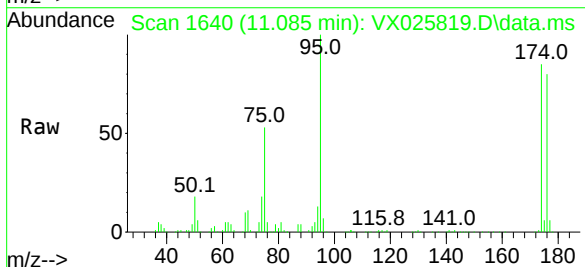
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20211207

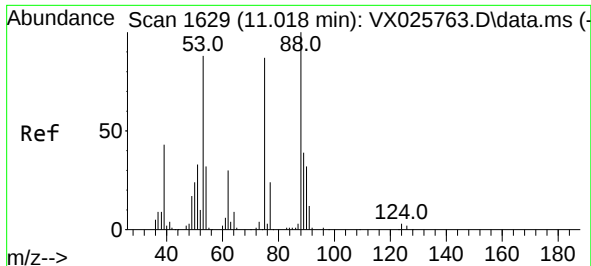
Tgt Ion:152 Resp: 90952
 Ion Ratio Lower Upper
 152 100
 115 60.9 41.3 123.9
 150 156.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.617 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025819.D
 Acq: 15 Dec 2021 17:02

Tgt Ion: 75 Resp: 55467
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.0 57.0#

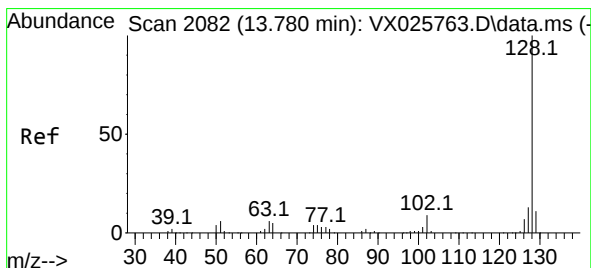
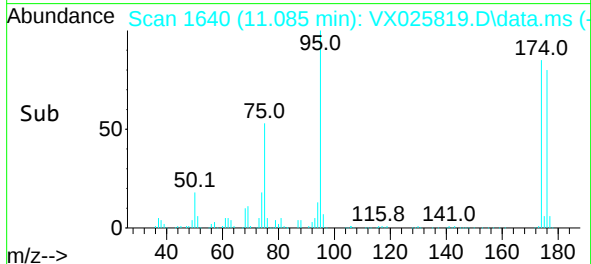
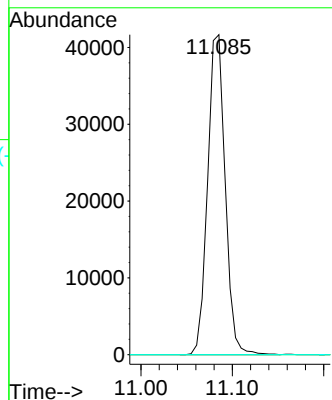
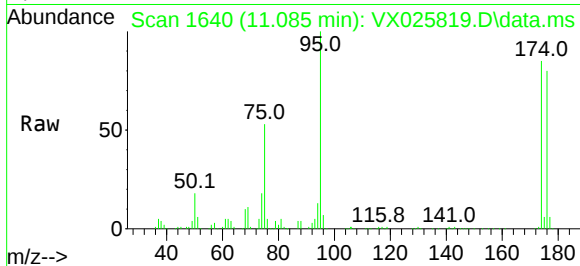




#81
trans-1,4-Dichloro-2-butene
Concen: 82.521 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20211207

Tgt Ion: 75 Resp: 55467
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.415 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025819.D
Acq: 15 Dec 2021 17:02

Tgt Ion: 128 Resp: 24
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

