

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030859.D
 Acq On : 27 Aug 2022 09:47
 Operator : JC/MD
 Sample : N4281-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20220819

Quant Time: Aug 27 22:22:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

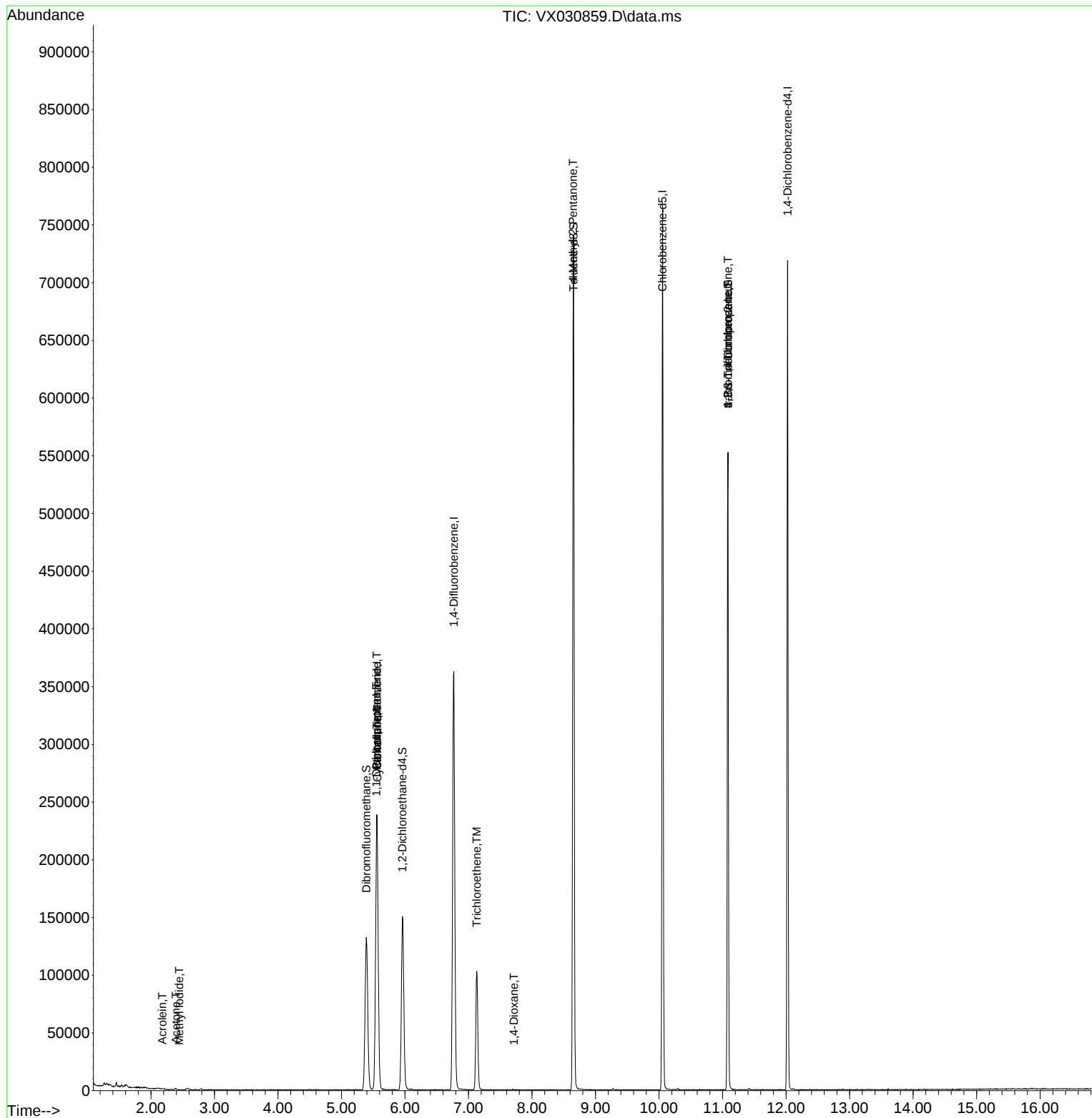
Internal Standards						
1) Pentafluorobenzene	5.556	168	219268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	368801	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144299	55.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.900%
35) Dibromofluoromethane	5.391	113	118053	52.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.160%
50) Toluene-d8	8.653	98	442989	56.087	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	112.180%
62) 4-Bromofluorobenzene	11.085	95	145374	49.438	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.880%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	258	Below Cal		89
6) Chloroethane	1.636	64	100	Below Cal	#	41
10) Methyl Iodide	2.447	142	63	4.062	ug/l #	81
13) Acrolein	2.178	56	27	10.105	ug/l #	14
16) Acetone	2.392	43	1456	1.222	ug/l	95
17) Carbon Disulfide	2.520	76	71	Below Cal	#	74
20) Methylene Chloride	2.794	84	351	Below Cal	#	75
31) Cyclohexane	5.562	56	4513	1.368	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17502	5.671	ug/l #	49
38) Carbon Tetrachloride	5.556	117	22215	6.824	ug/l #	20
44) Trichloroethene	7.129	130	40424	15.152	ug/l	97
49) 1,4-Dioxane	7.714	88	364	5.372	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	1978	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	74653	23.744	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	74653	76.608	ug/l #	12

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

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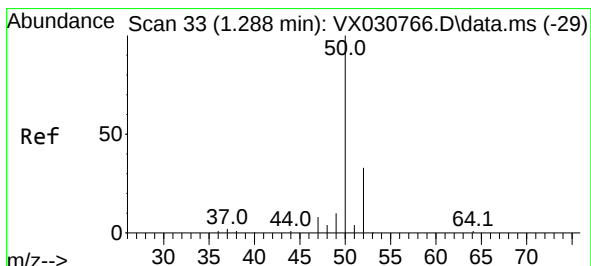
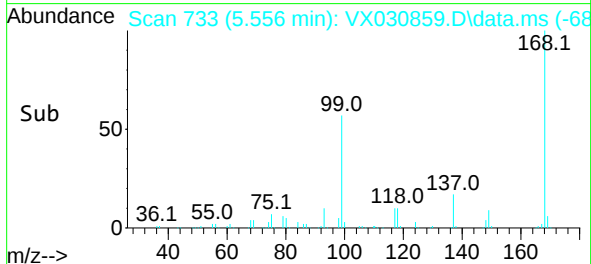
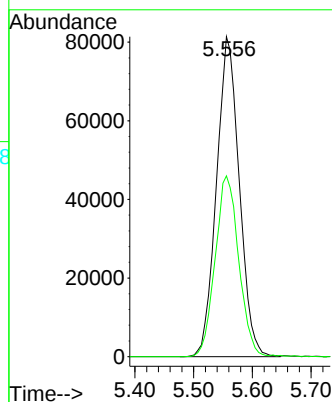
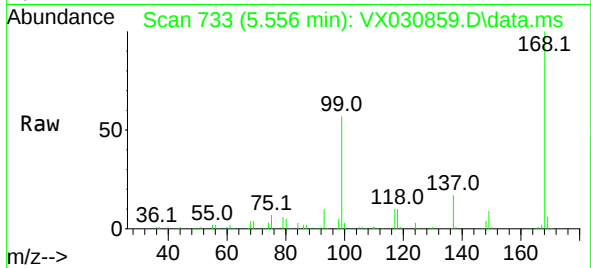




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

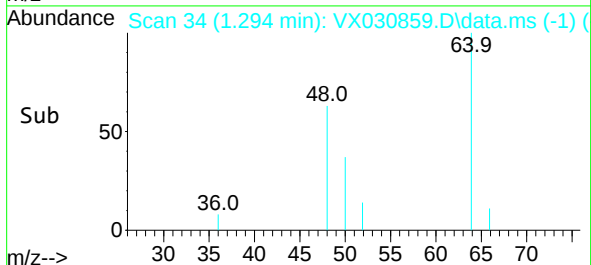
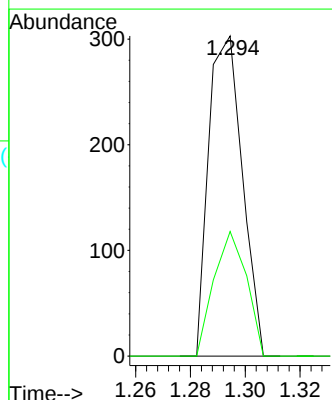
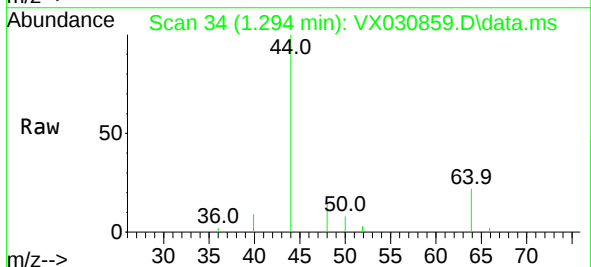
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

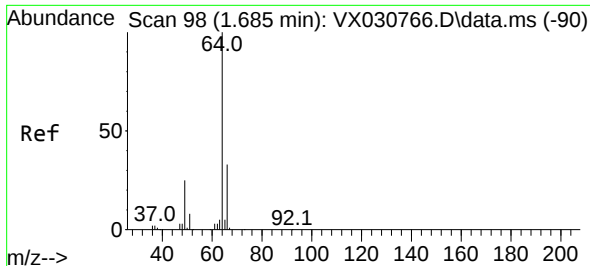
Tgt Ion:168 Resp: 219268
Ion Ratio Lower Upper
168 100
99 56.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 50 Resp: 258
Ion Ratio Lower Upper
50 100
52 38.9 26.3 39.5

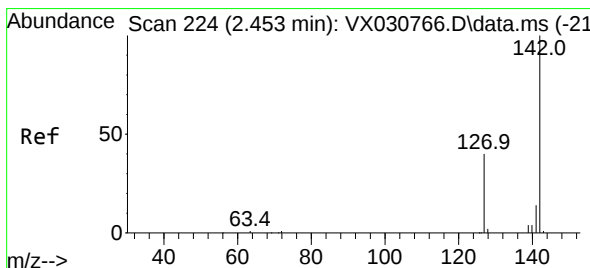
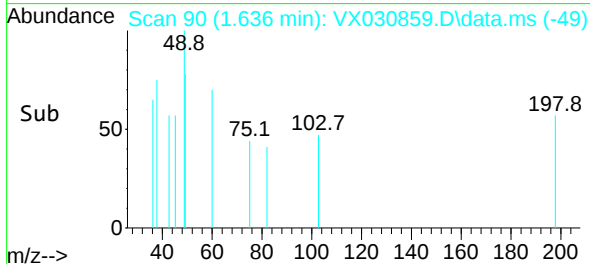
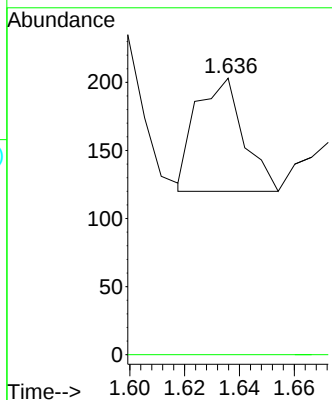
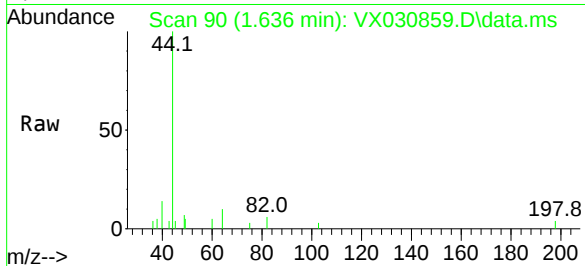




#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.049 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

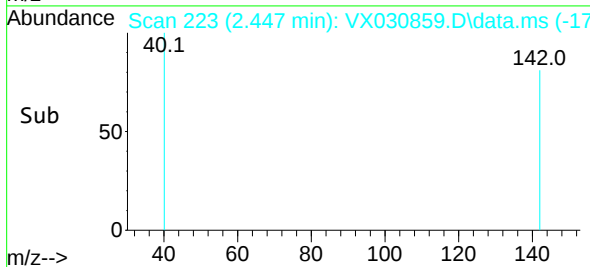
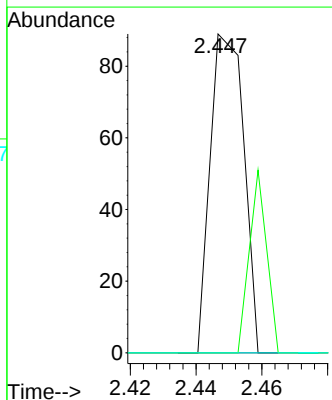
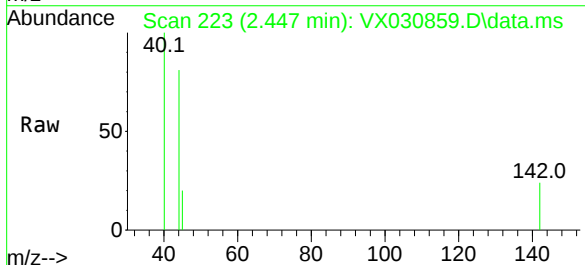
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

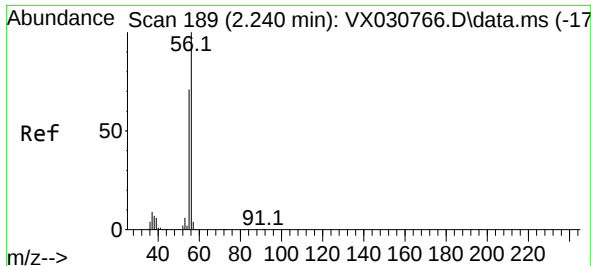
Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.062 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 142 Resp: 63
Ion Ratio Lower Upper
142 100
127 30.2 30.2 45.2#
141 0.0 11.3 16.9#

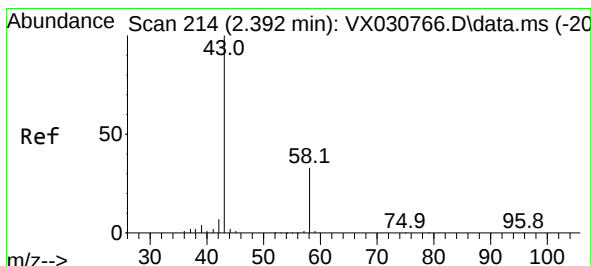
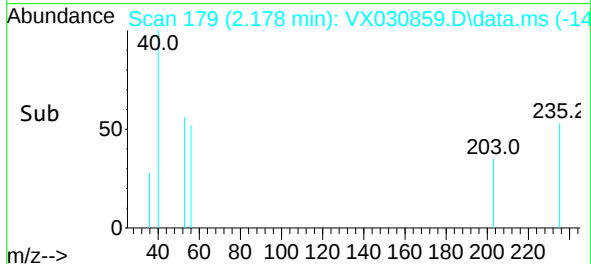
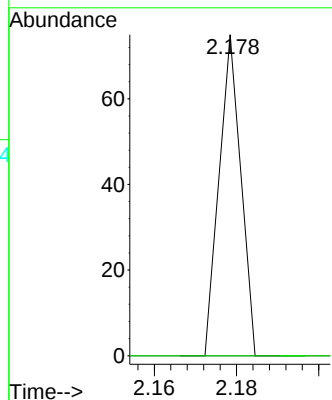
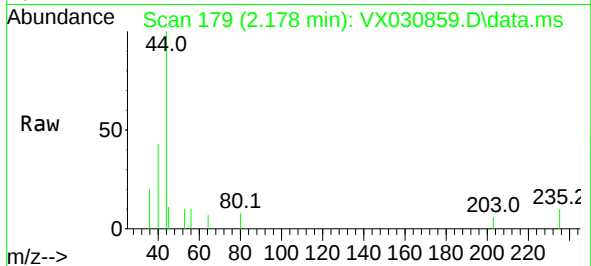




#13
Acrolein
Concen: 10.105 ug/l
RT: 2.178 min Scan# 11
Delta R.T. -0.062 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

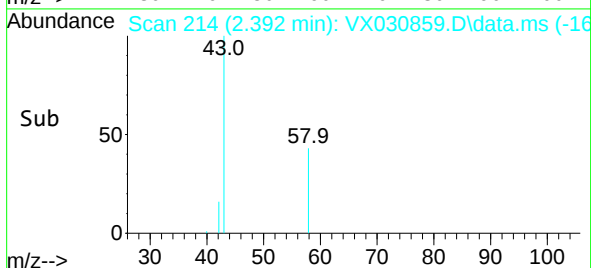
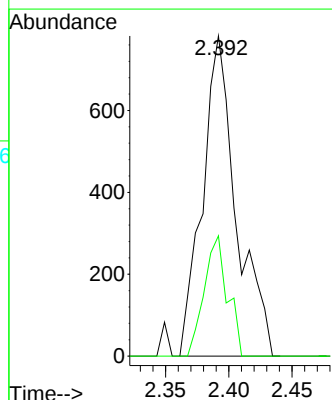
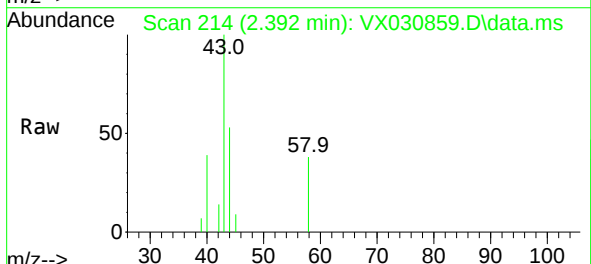
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

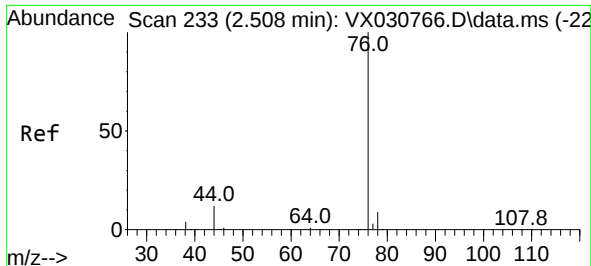
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.222 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
58 37.6 27.7 41.5

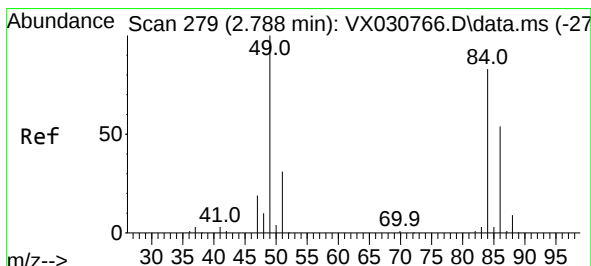
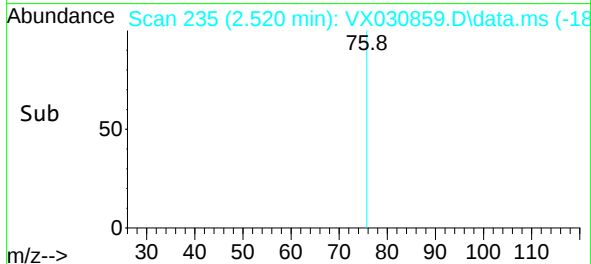
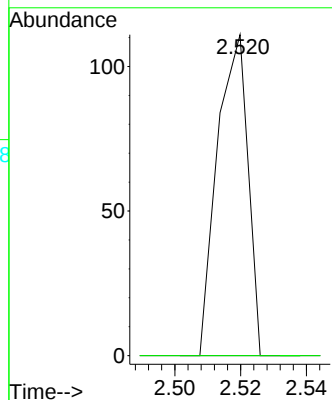
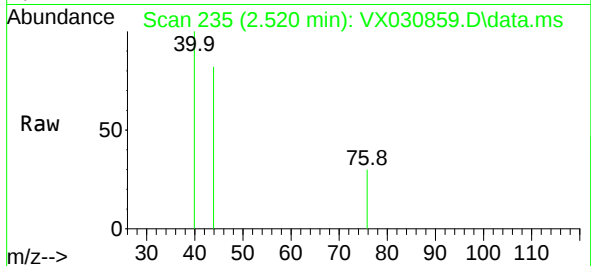




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

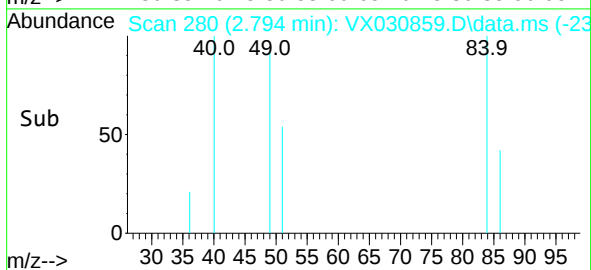
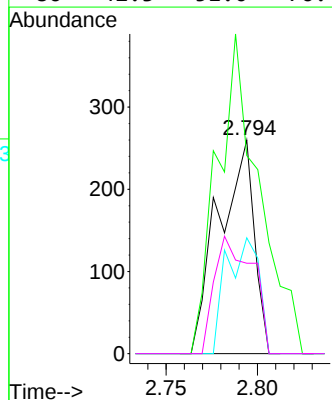
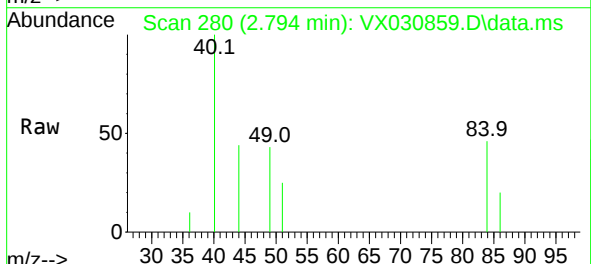
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

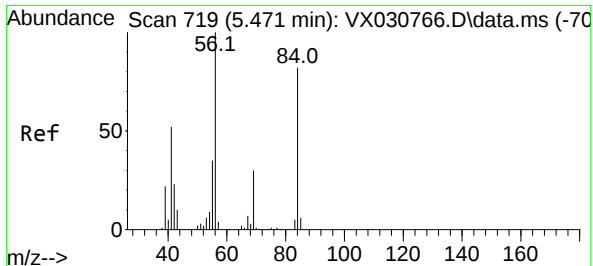
Tgt Ion: 76 Resp: 71
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

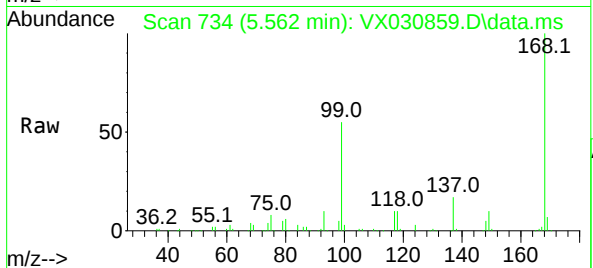
Tgt Ion: 84 Resp: 351
Ion Ratio Lower Upper
84 100
49 92.7 93.8 140.6#
51 54.2 29.4 44.0#
86 42.3 51.0 76.4#



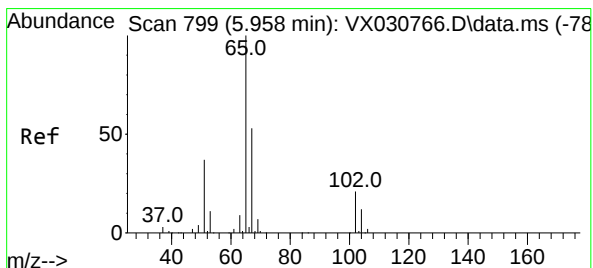
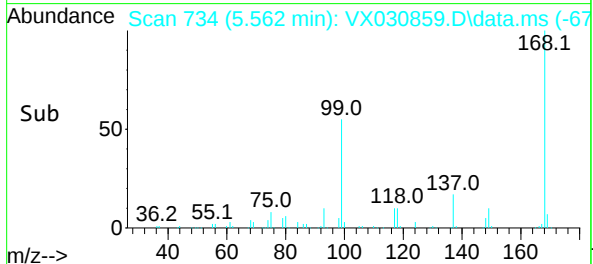
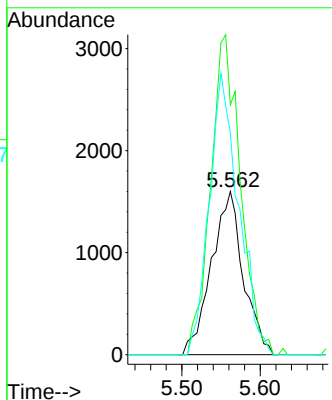


#31
Cyclohexane
Concen: 1.368 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

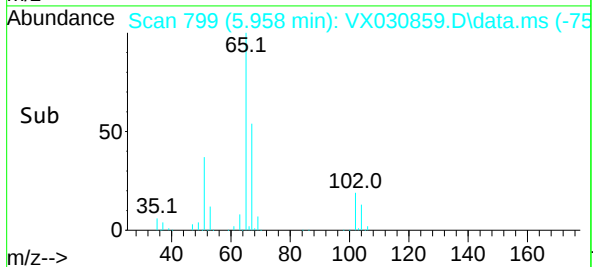
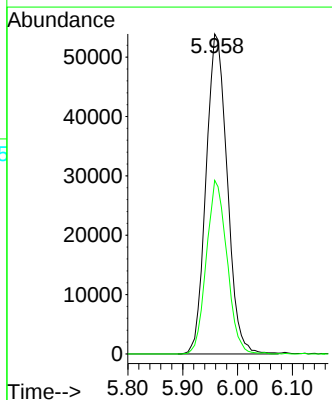
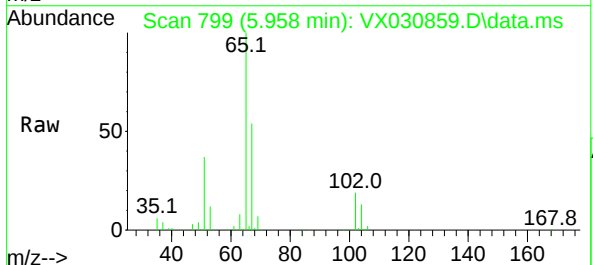


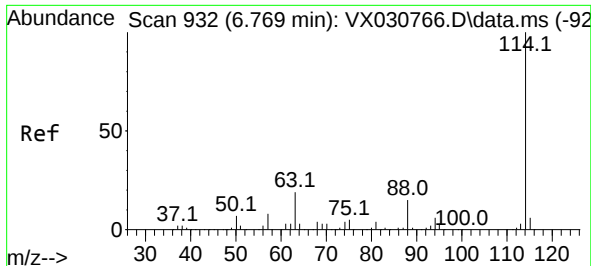
Tgt Ion: 56 Resp: 4513
Ion Ratio Lower Upper
56 100
69 153.2 25.4 38.0#
84 136.0 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 55.948 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 65 Resp: 144299
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

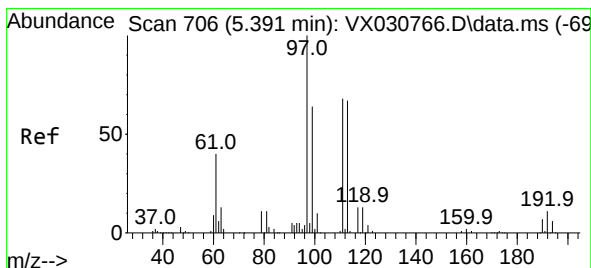
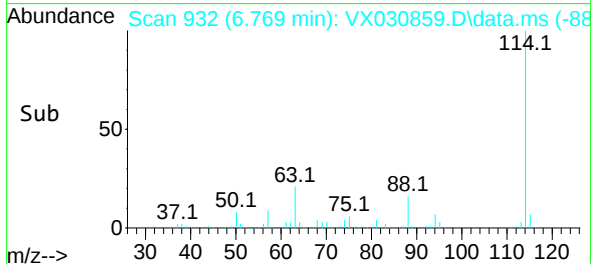
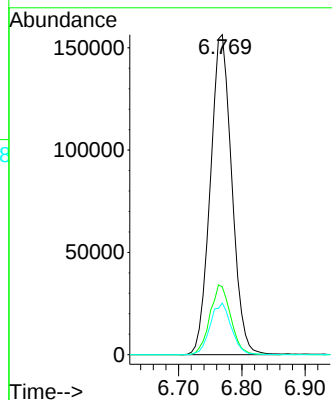
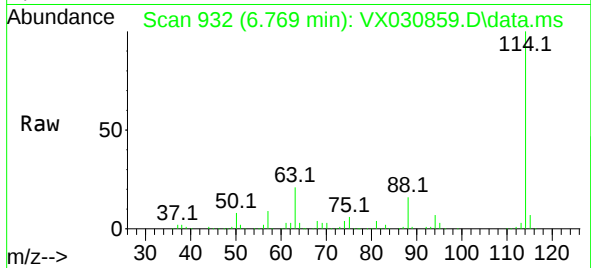




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

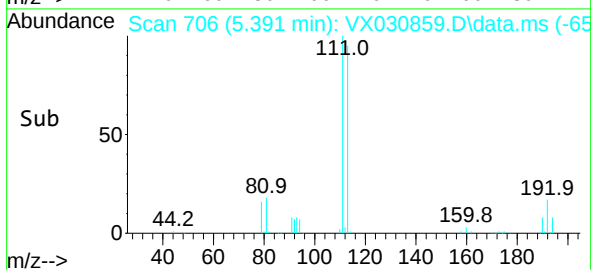
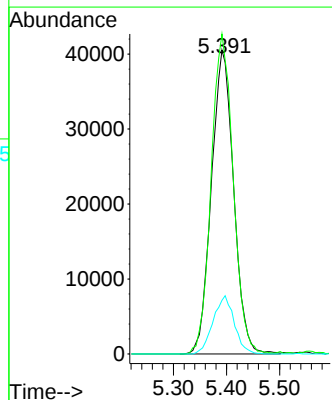
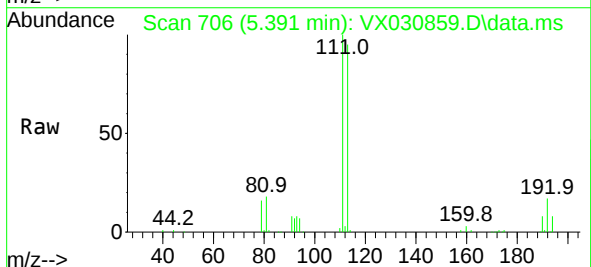
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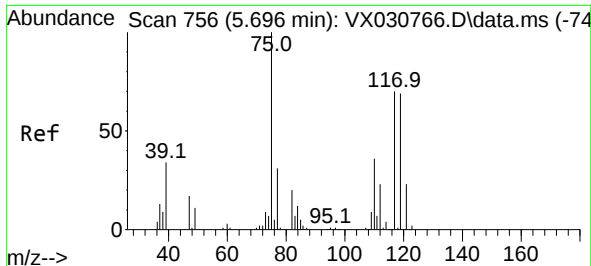
Tgt Ion:114 Resp: 368801
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.4
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.084 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion:113 Resp: 118053
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 18.2 14.8 22.2

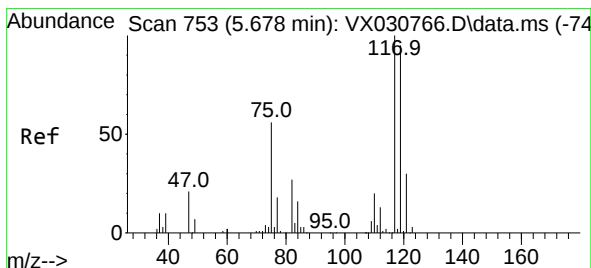
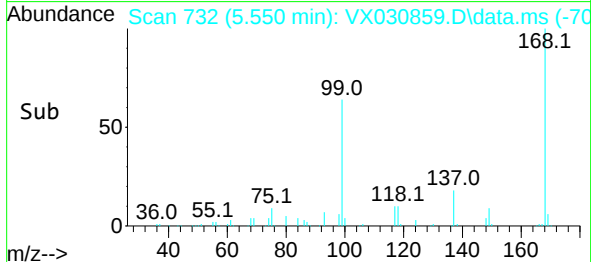
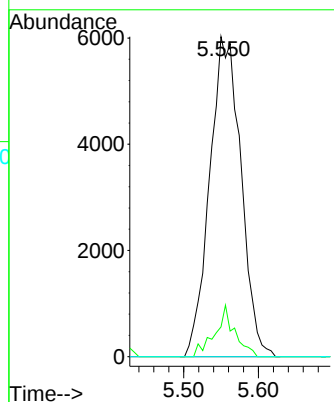
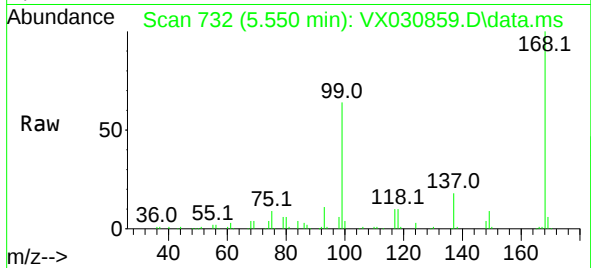




#36
1,1-Dichloropropene
Concen: 5.671 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

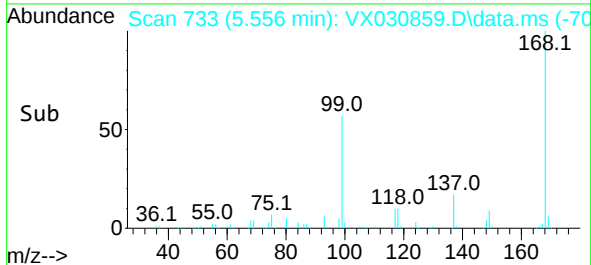
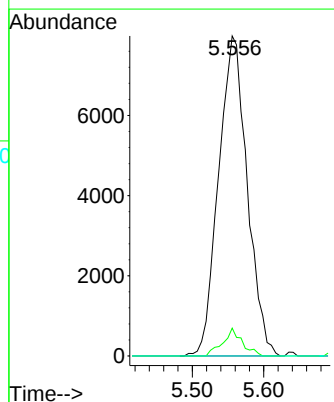
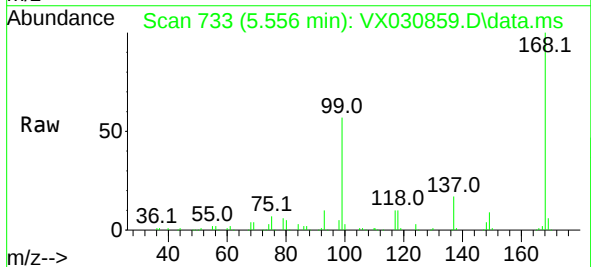
Instrument :
MSVOA_X
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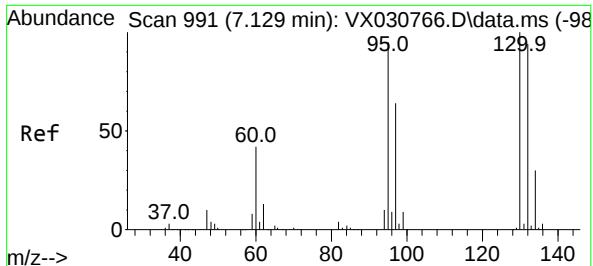
Tgt Ion: 75 Resp: 17502
Ion Ratio Lower Upper
75 100
110 10.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.824 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 117 Resp: 22215
Ion Ratio Lower Upper
117 100
119 8.7 74.1 111.1#
121 0.0 25.8 38.8#

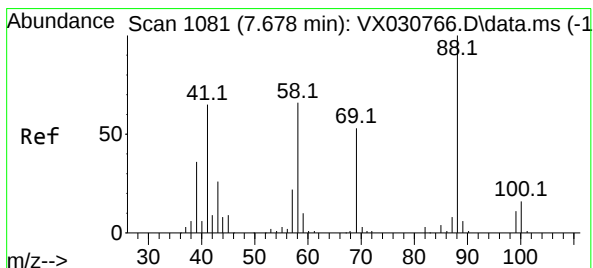
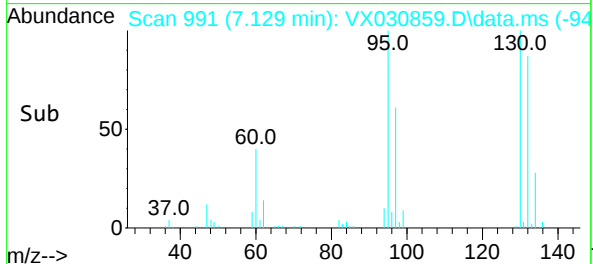
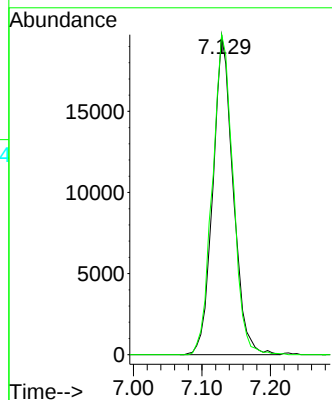
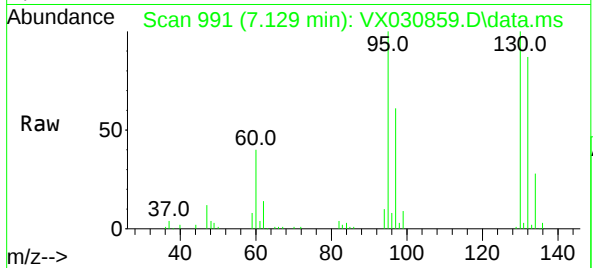




#44
Trichloroethene
Concen: 15.152 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

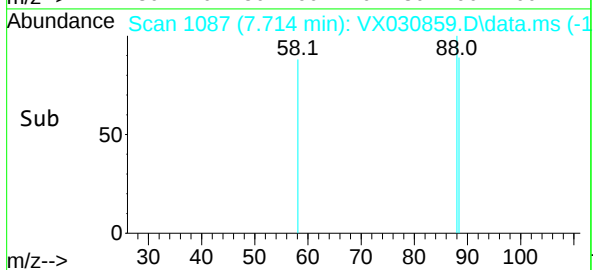
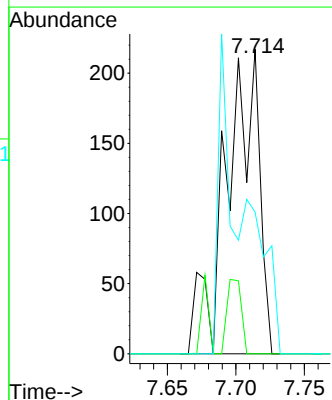
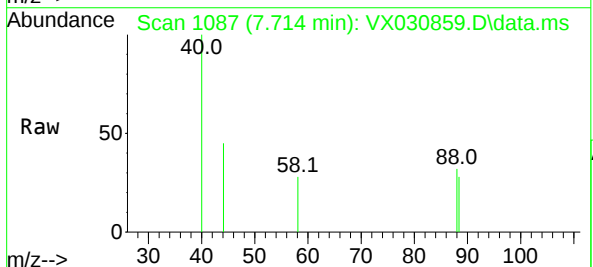
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

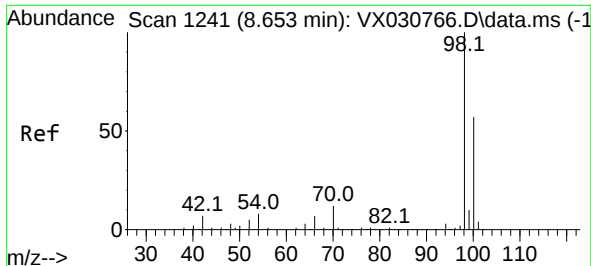
Tgt Ion:130 Resp: 40424
Ion Ratio Lower Upper
130 100
95 100.1 0.0 194.8



#49
1,4-Dioxane
Concen: 5.372 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.036 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

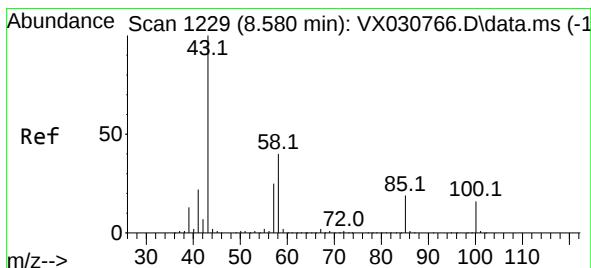
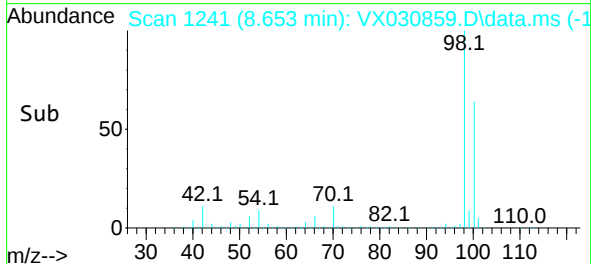
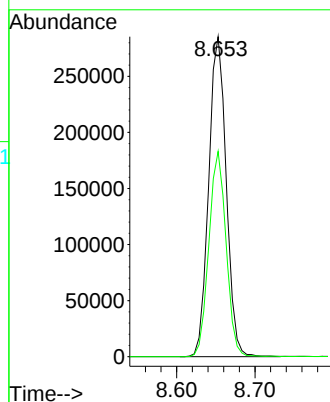
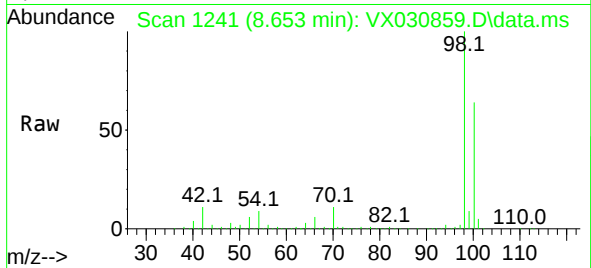




#50
Toluene-d8
Concen: 56.087 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

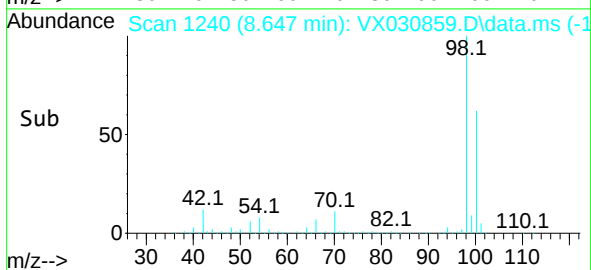
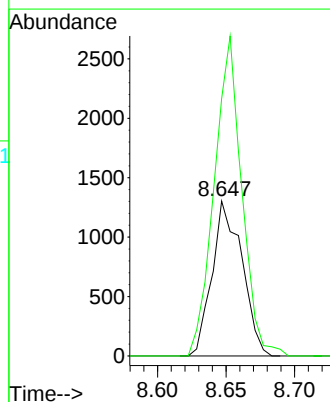
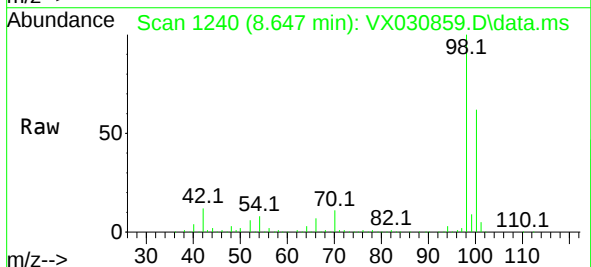
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

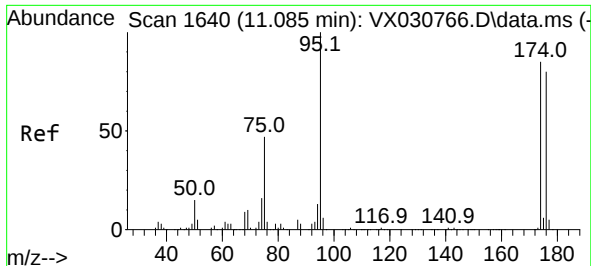
Tgt Ion: 98 Resp: 442989
Ion Ratio Lower Upper
98 100
100 62.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.533 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
58 190.1 31.4 47.2#

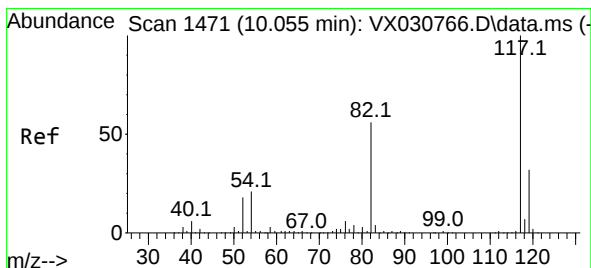
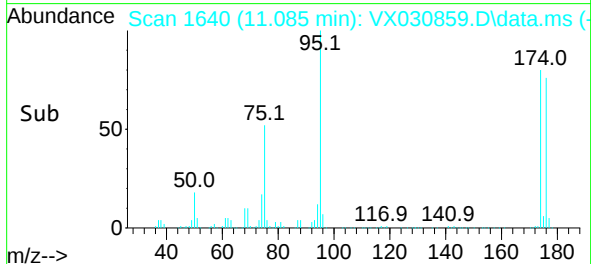
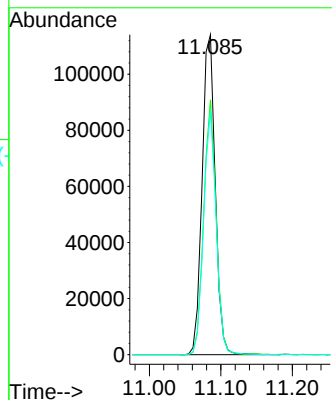
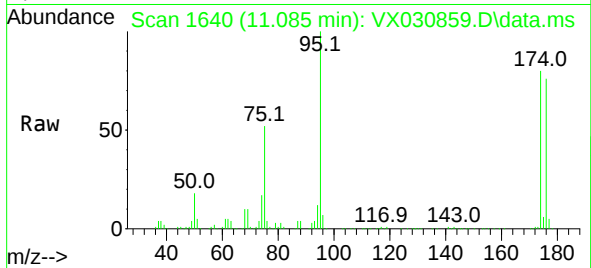




#62
4-Bromofluorobenzene
Concen: 49.438 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

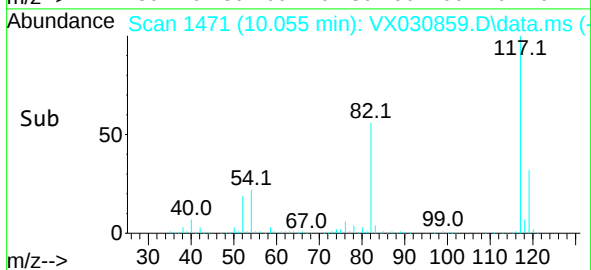
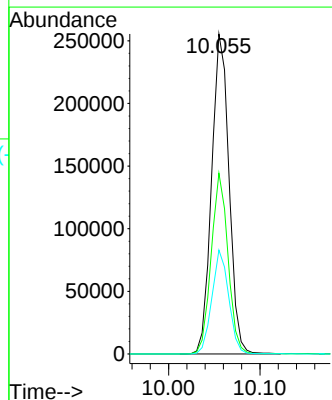
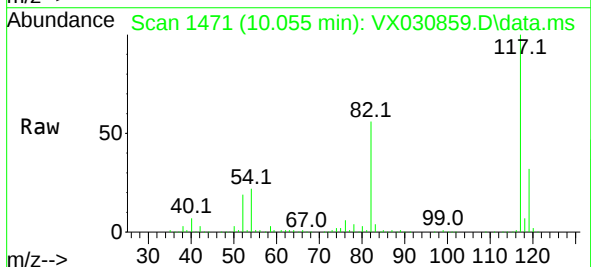
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20220819

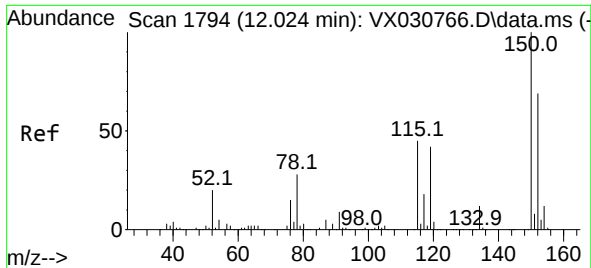
Tgt Ion: 95 Resp: 145374
Ion Ratio Lower Upper
95 100
174 75.8 0.0 149.0
176 72.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030859.D
Acq: 27 Aug 2022 09:47

Tgt Ion: 117 Resp: 337373
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 32.4 25.4 38.2

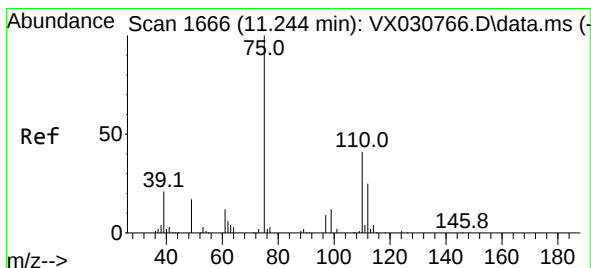
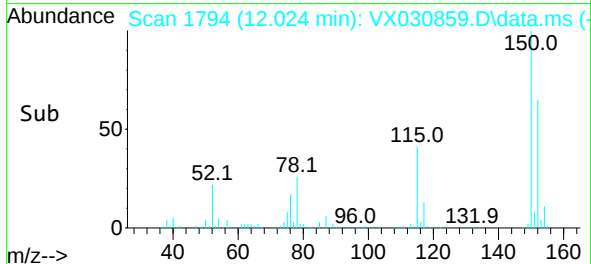
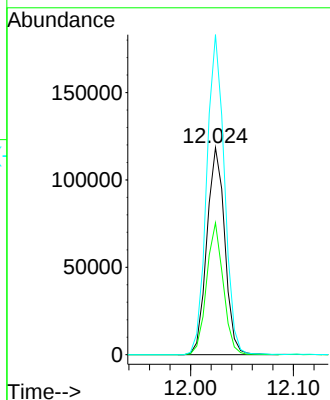
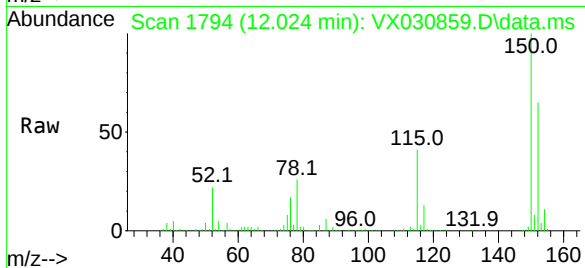




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030859.D
 Acq: 27 Aug 2022 09:47

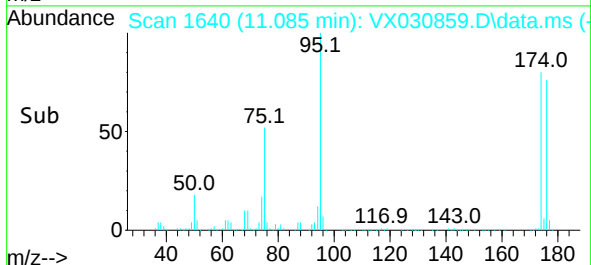
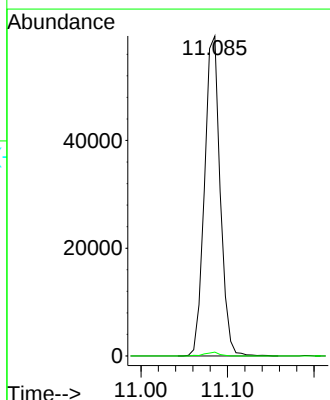
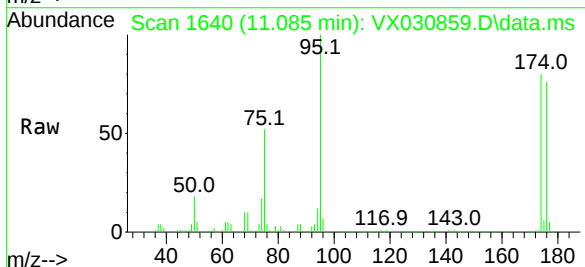
Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20220819

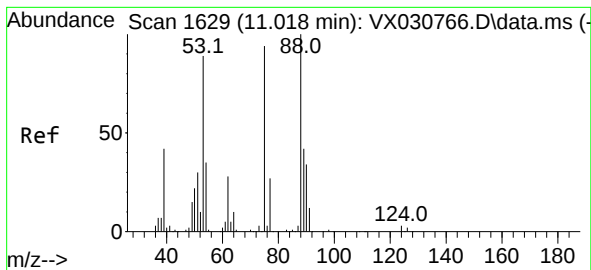
Tgt Ion:152 Resp: 143509
 Ion Ratio Lower Upper
 152 100
 115 59.3 40.5 121.5
 150 153.0 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 23.744 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030859.D
 Acq: 27 Aug 2022 09:47

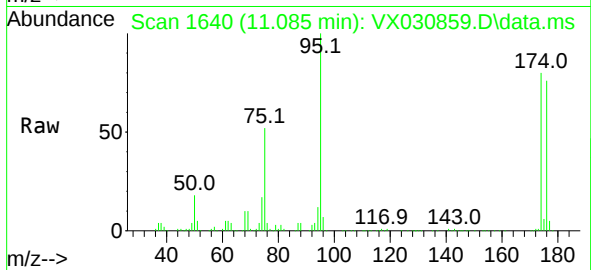
Tgt Ion: 75 Resp: 74653
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.608 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030859.D
 Acq: 27 Aug 2022 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20220819



Tgt Ion: 75 Resp: 74653
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

