

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013879.D
 Acq On : 25 May 2023 17:33
 Operator : KP/MD
 Sample : 02908-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB09RE

Quant Time: May 26 04:34:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	3024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5159	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3055	87.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.640%#			
35) Dibromofluoromethane	7.716	113	2190	61.972	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.940%			
50) Toluene-d8	10.179	98	6899	51.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.477	95	2017	45.179	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.360%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	168	4.978	ug/l #	43
4) Vinyl Chloride	2.204	62	69	1.999	ug/l #	44
5) Bromomethane	2.680	94	240	8.752	ug/l #	52
8) Diethyl Ether	3.314	74	22	1.235	ug/l #	1
10) Methyl Iodide	4.100	142	429	11.477	ug/l #	52
14) Allyl chloride	4.411	41	69	1.278	ug/l #	22
16) Acetone	3.966	43	99	9.534	ug/l #	46
20) Methylene Chloride	4.722	84	942	24.280	ug/l #	66
25) 2-Butanone	6.966	43	20	1.579	ug/l #	49
28) Bromochloromethane	7.332	49	20	1.119	ug/l #	14
29) Tetrahydrofuran	7.405	42	19	2.512	ug/l #	36
38) Carbon Tetrachloride	7.789	117	346	5.653	ug/l #	13
41) Methacrylonitrile	7.277	41	18	1.005	ug/l #	20
48) Methyl methacrylate	9.203	41	47	1.673	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.807	63	25	1.924	ug/l #	48
59) 2-Hexanone	10.551	43	27	1.190	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	758	39.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	758	85.294	ug/l #	10

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

Quant Time: May 26 04:34:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

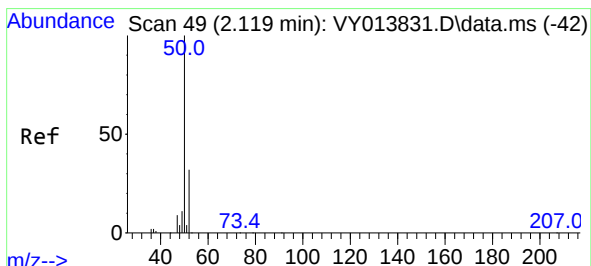
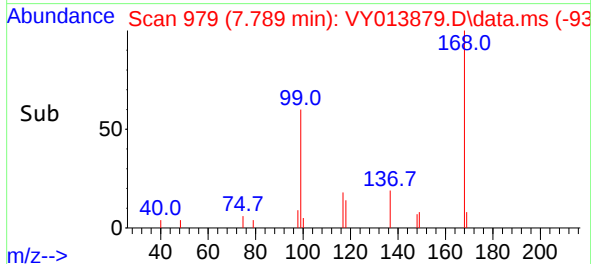
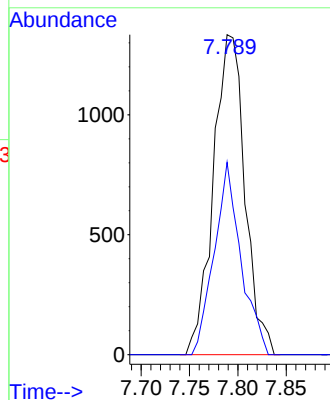
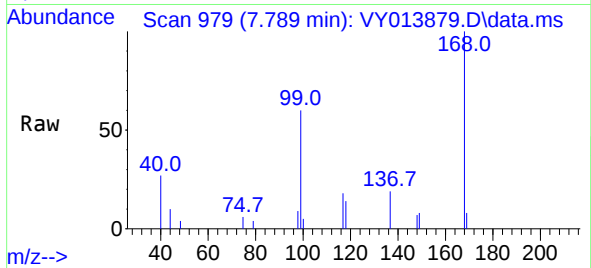




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

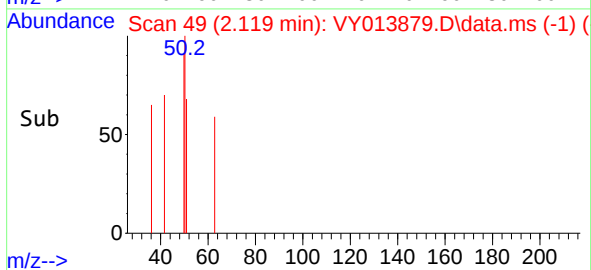
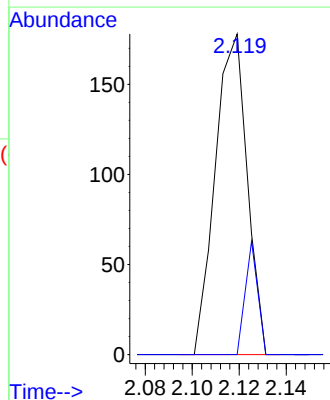
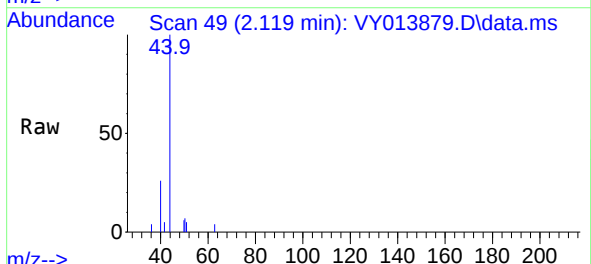
Instrument :
MSVOA_Y
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SB09RE

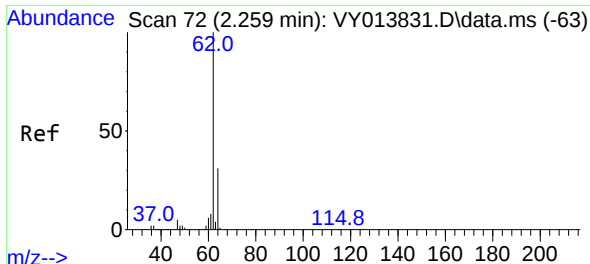
Tgt Ion:168 Resp: 3024
Ion Ratio Lower Upper
168 100
99 60.1 43.4 65.2



#3
Chloromethane
Concen: 4.978 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

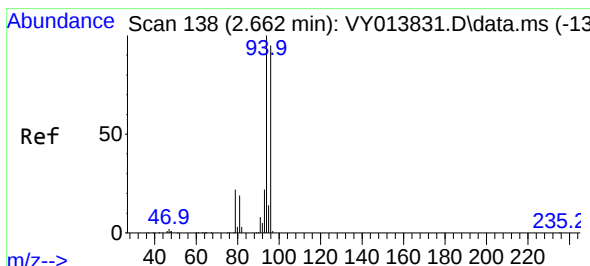
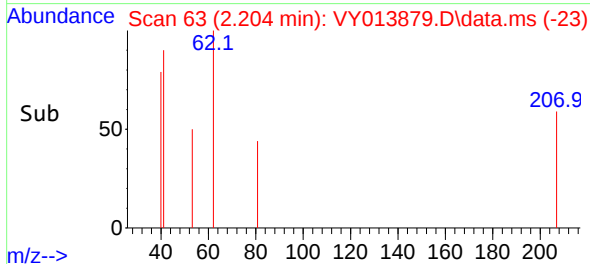
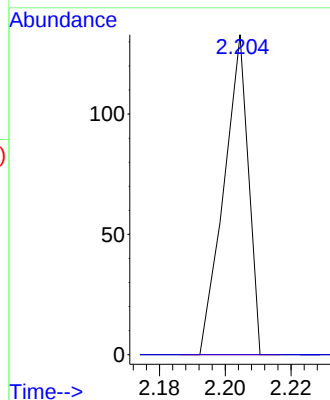
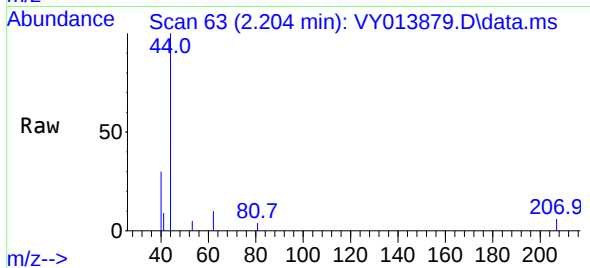




#4
 Vinyl Chloride
 Concen: 1.999 ug/l
 RT: 2.204 min Scan# 61
 Delta R.T. -0.055 min
 Lab File: VY013879.D
 Acq: 25 May 2023 17:33

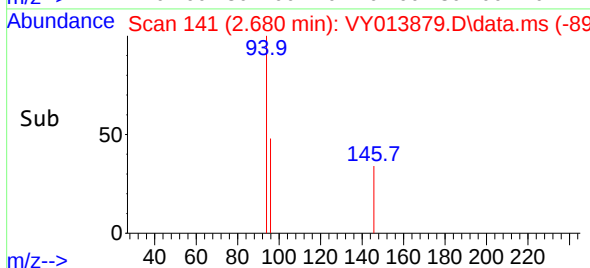
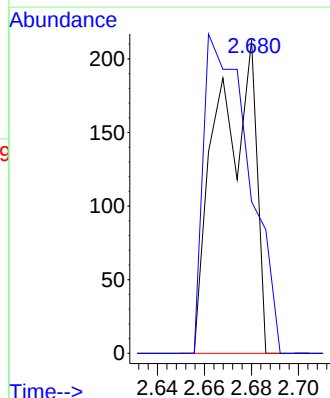
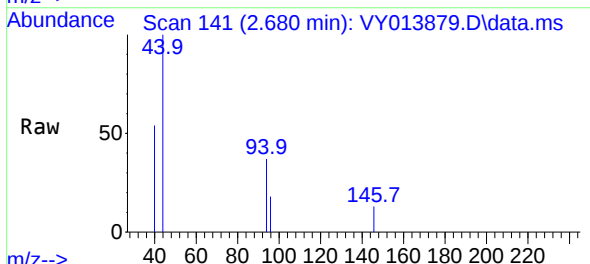
Instrument :
 MSVOA_Y
 ClientSampleId :
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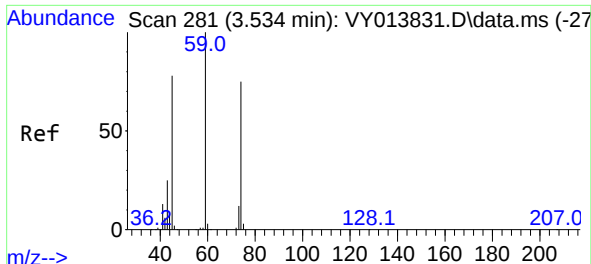
Tgt Ion: 62 Resp: 69
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.8 37.2#



#5
 Bromomethane
 Concen: 8.752 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.018 min
 Lab File: VY013879.D
 Acq: 25 May 2023 17:33

Tgt Ion: 94 Resp: 240
 Ion Ratio Lower Upper
 94 100
 96 48.4 76.2 114.2#

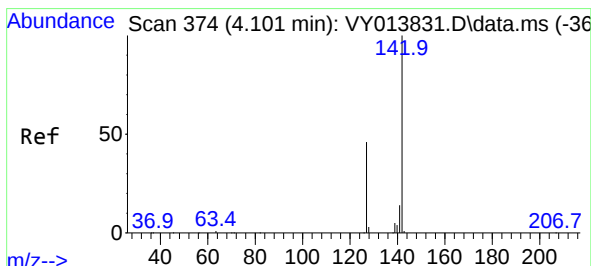
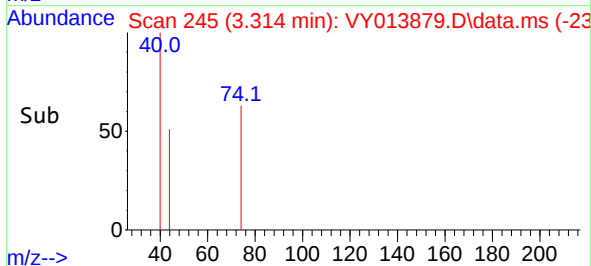
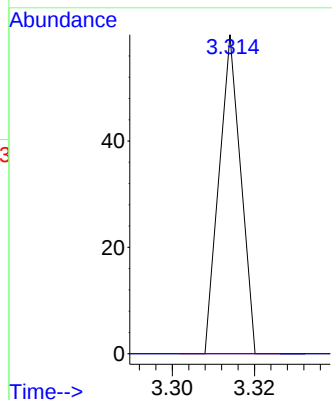
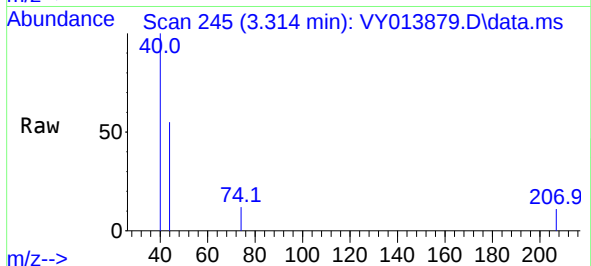




#8
Diethyl Ether
Concen: 1.235 ug/l
RT: 3.314 min Scan# 245
Delta R.T. -0.220 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

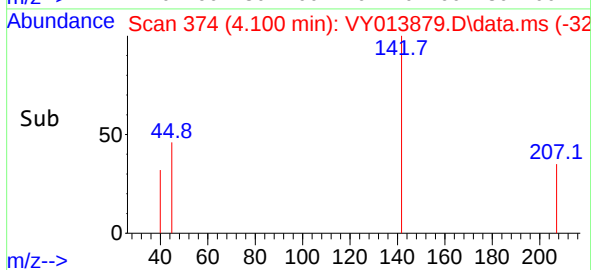
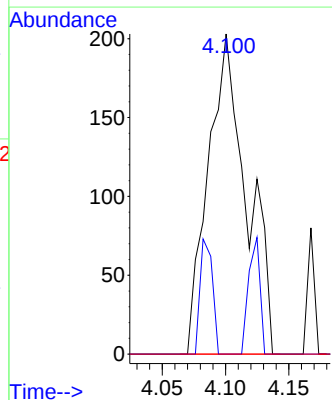
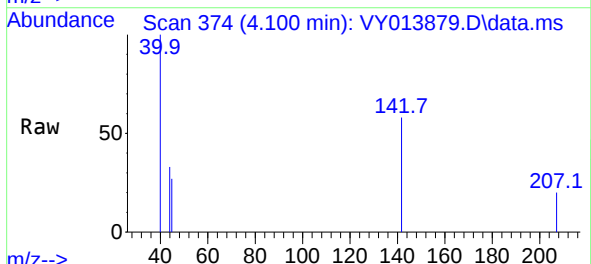
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

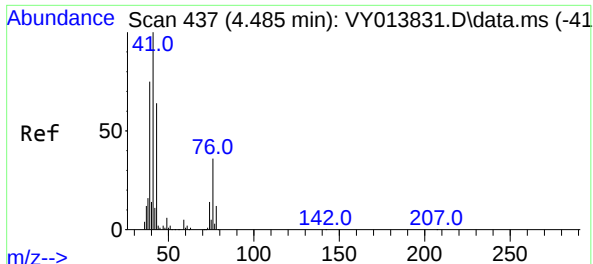
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 0.0 51.8 155.5#



#10
Methyl Iodide
Concen: 11.477 ug/l
RT: 4.100 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 142 Resp: 429
Ion Ratio Lower Upper
142 100
127 11.4 37.0 55.4#
141 0.0 11.8 17.6#

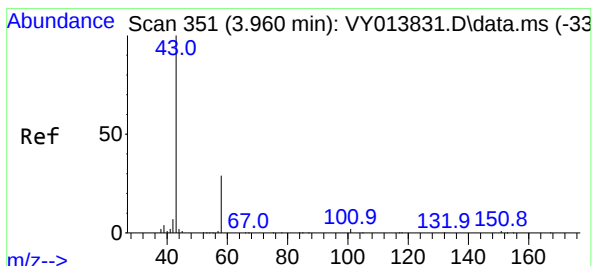
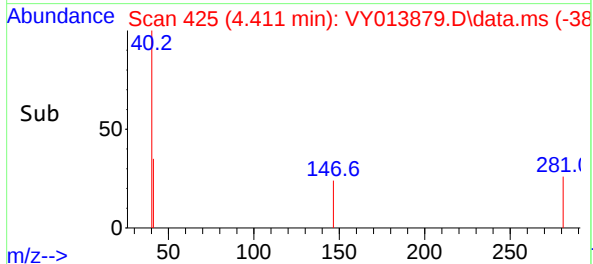
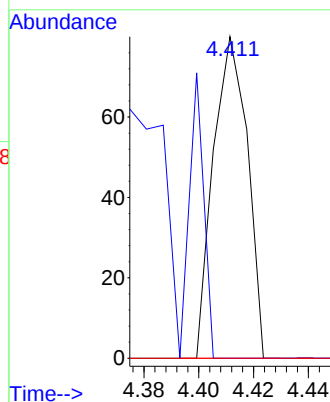
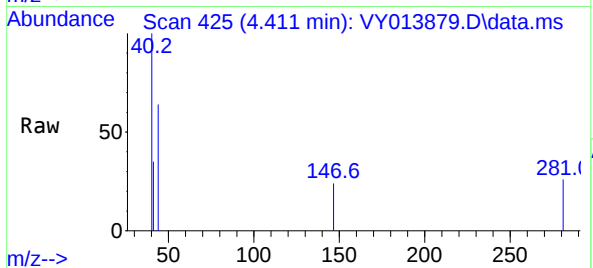




#14
Allyl chloride
Concen: 1.278 ug/l
RT: 4.411 min Scan# 41
Delta R.T. -0.073 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

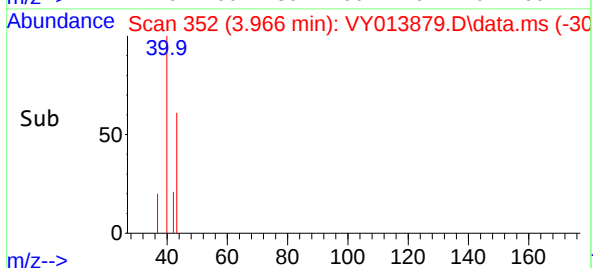
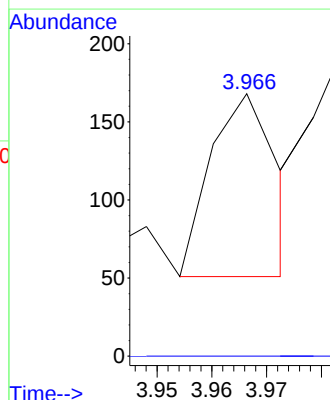
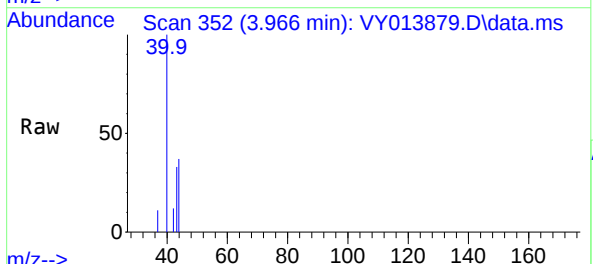
Instrument :
MSVOA_Y
ClientSampleId :
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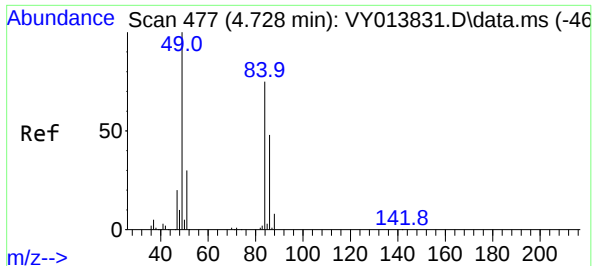
Tgt Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 0.0 58.3 87.5#
76 0.0 28.0 42.0#



#16
Acetone
Concen: 9.534 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#

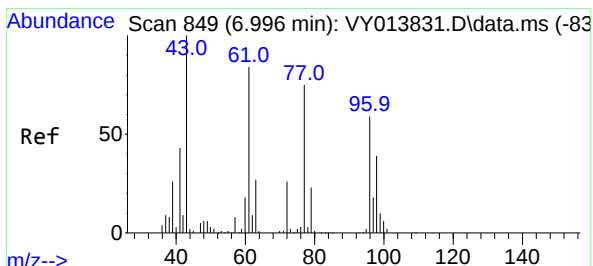
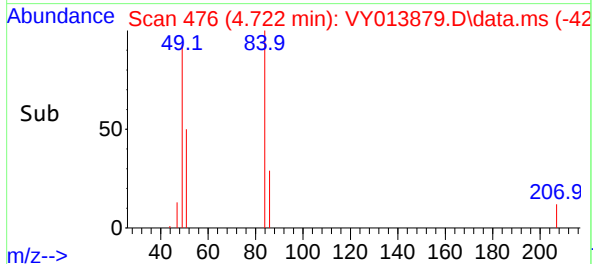
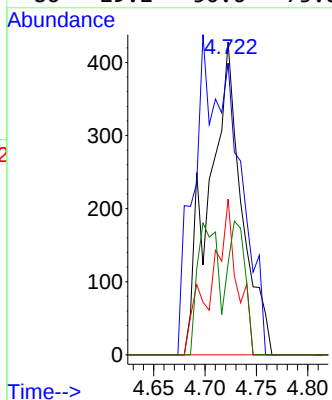
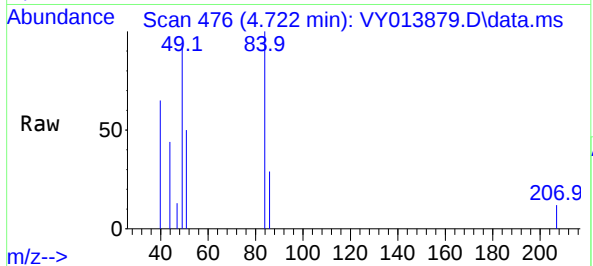




#20
Methylene Chloride
Concen: 24.280 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

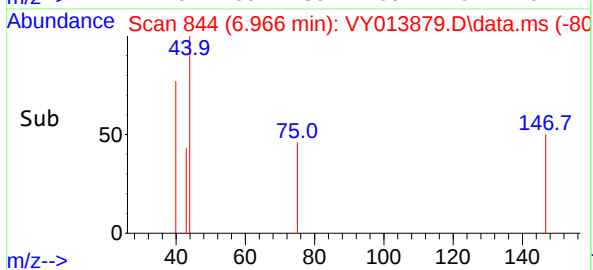
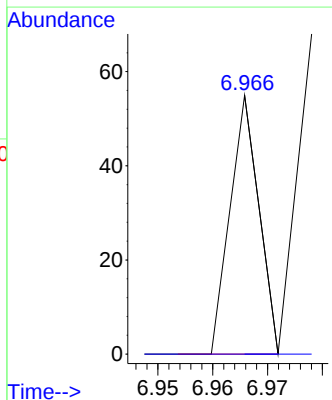
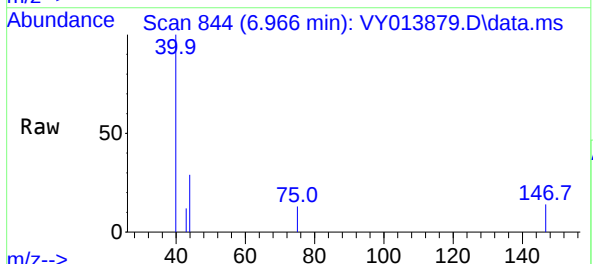
Instrument :
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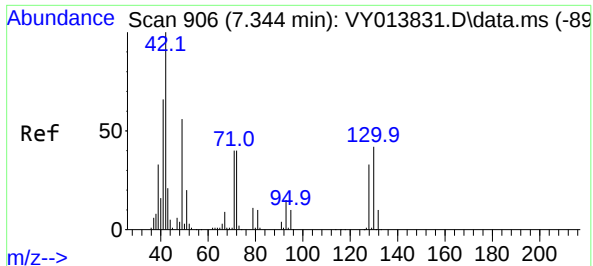
Tgt Ion: 84 Resp: 942
Ion Ratio Lower Upper
84 100
49 93.2 106.2 159.2#
51 49.8 31.4 47.0#
86 29.2 50.6 75.8#



#25
2-Butanone
Concen: 1.579 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.031 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

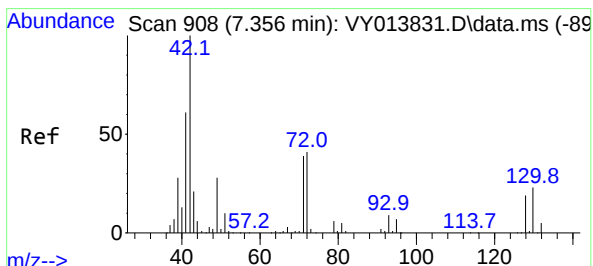
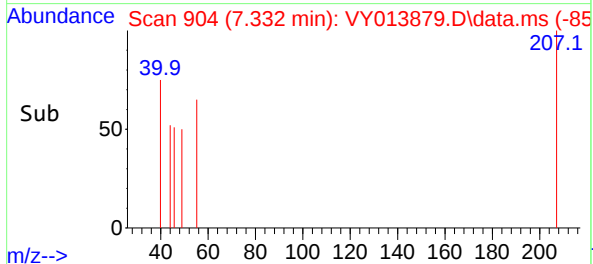
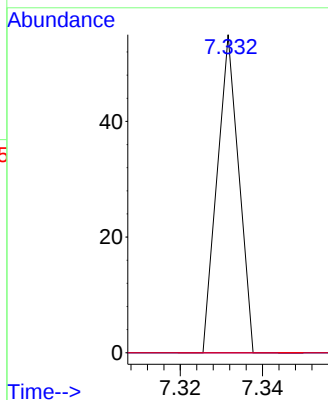
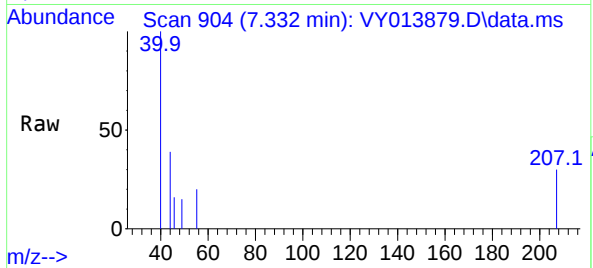




#28
Bromochloromethane
Concen: 1.119 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

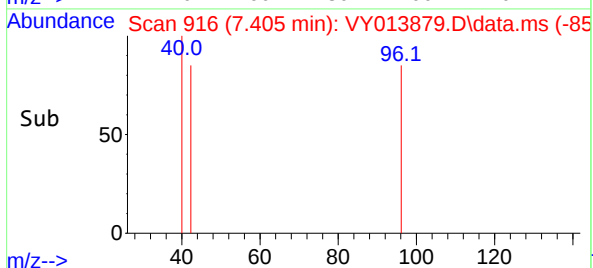
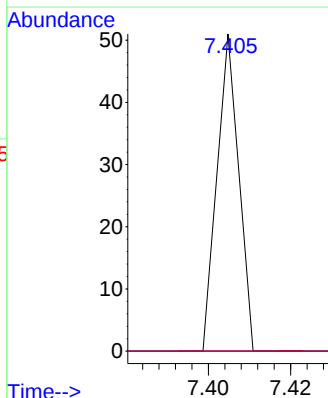
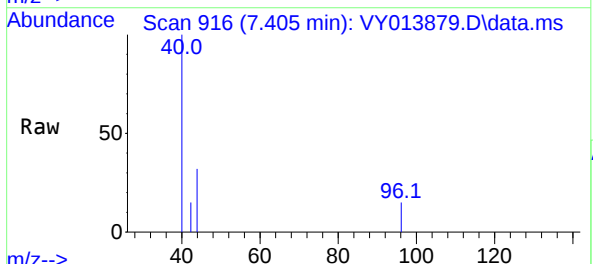
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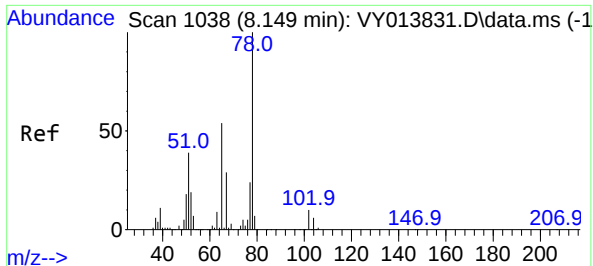
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 60.2 90.2#



#29
Tetrahydrofuran
Concen: 2.512 ug/l
RT: 7.405 min Scan# 916
Delta R.T. 0.049 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 0.0 30.6 45.8#





#33

1,2-Dichloroethane-d4

Concen: 87.324 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY013879.D

Acq: 25 May 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

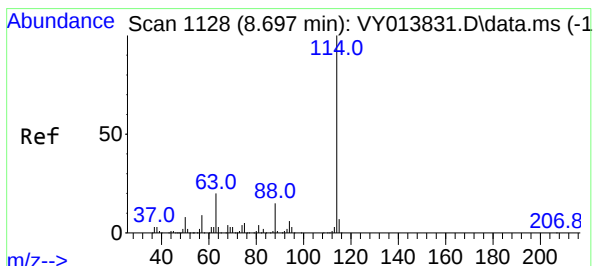
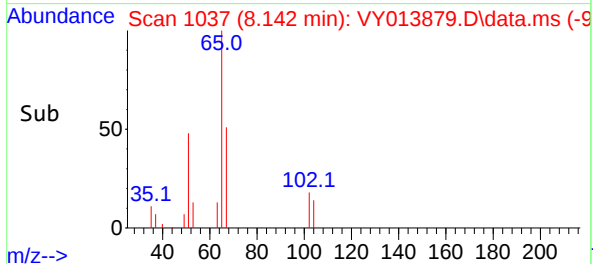
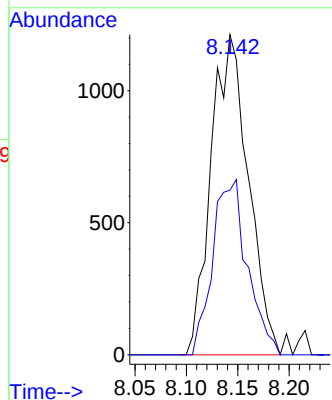
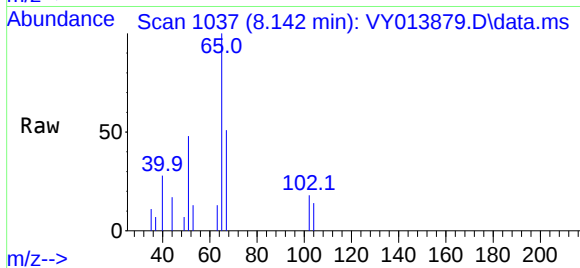
SB09RE

Tgt Ion: 65 Resp: 3055

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013879.D

Acq: 25 May 2023 17:33

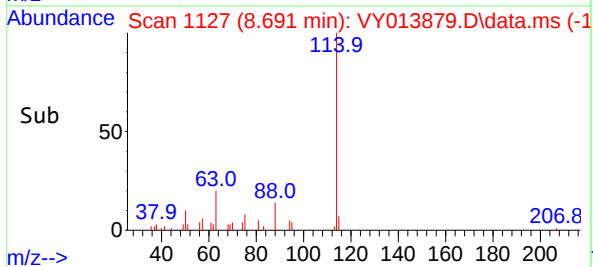
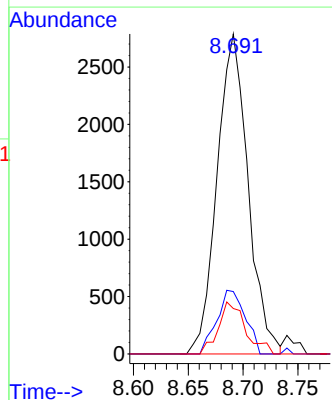
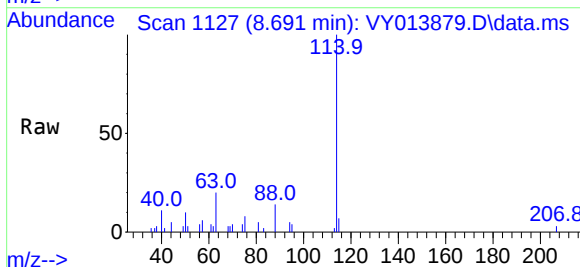
Tgt Ion: 114 Resp: 5472

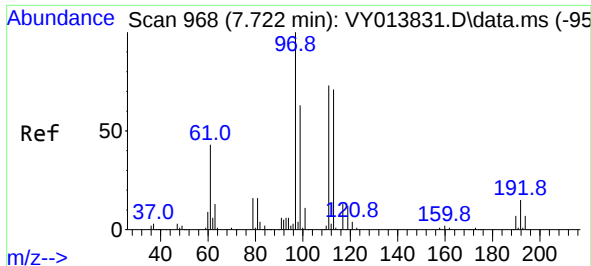
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 14.2 0.0 30.0

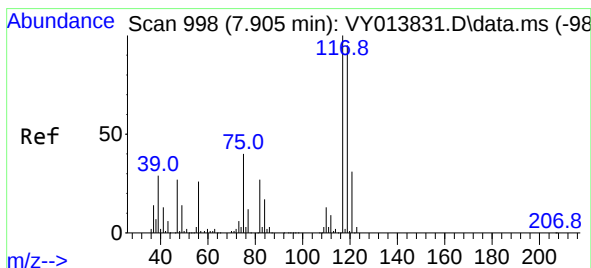
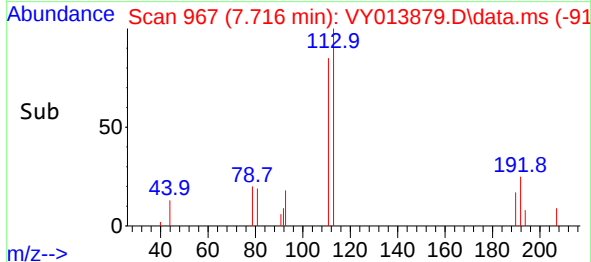
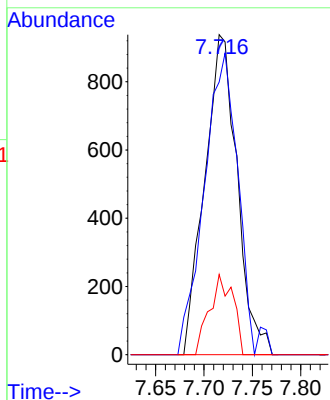
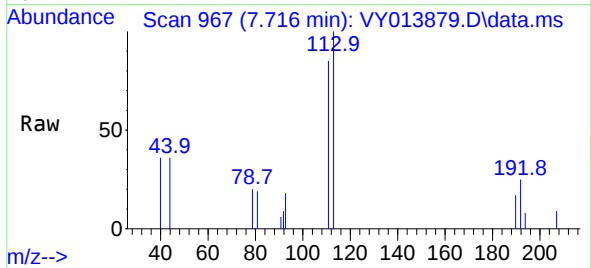




#35
Dibromofluoromethane
Concen: 61.972 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

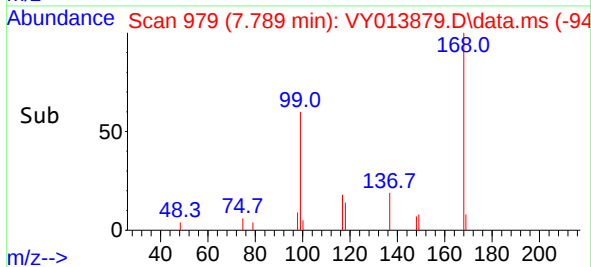
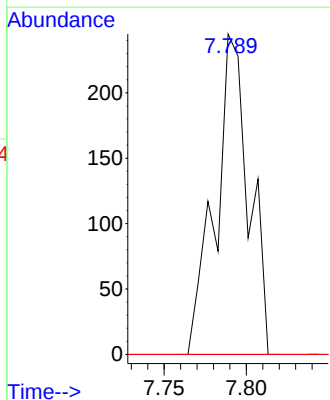
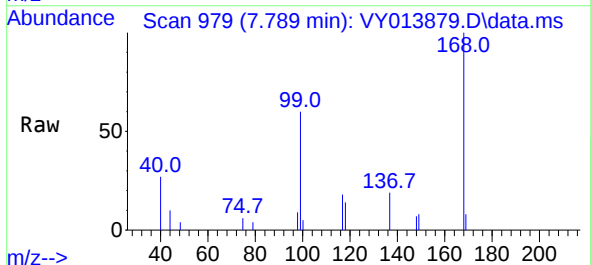
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

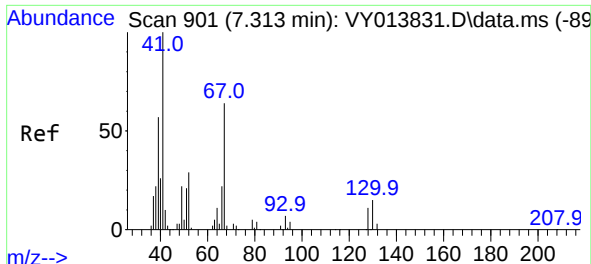
Tgt Ion:	113	Resp:	2190
Ion	Ratio	Lower	Upper
113	100		
111	99.0	80.4	120.6
192	18.1	16.6	25.0



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion:	117	Resp:	346
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.6	113.4#
121	0.0	24.8	37.2#

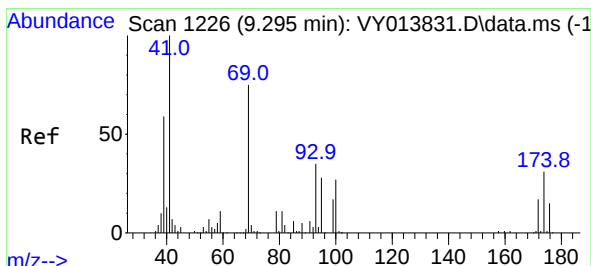
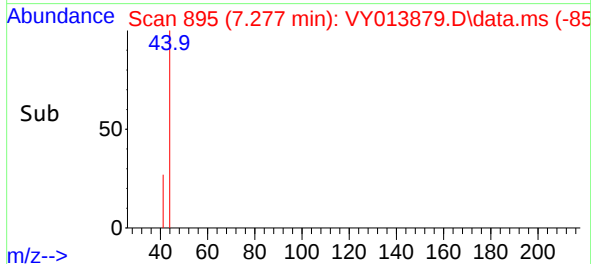
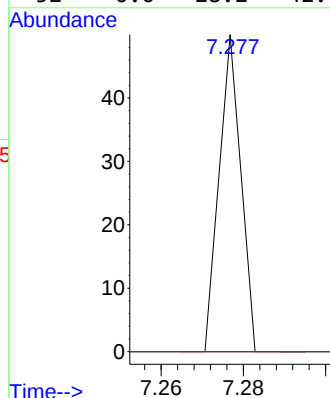
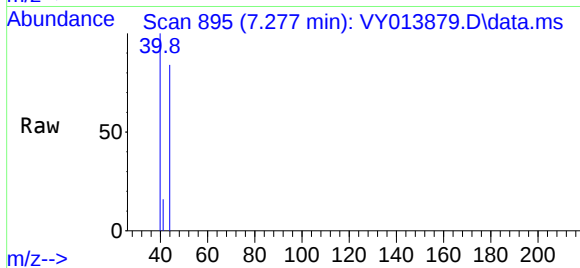




#41
Methacrylonitrile
Concen: 1.005 ug/l
RT: 7.277 min Scan# 89
Delta R.T. -0.037 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

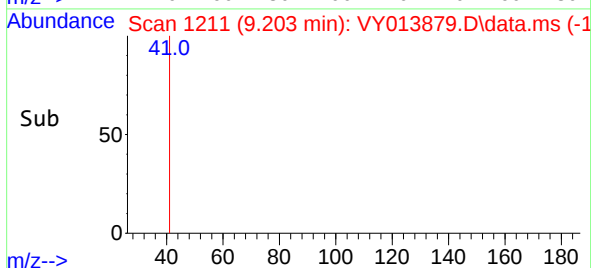
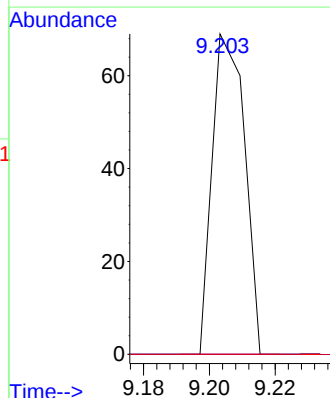
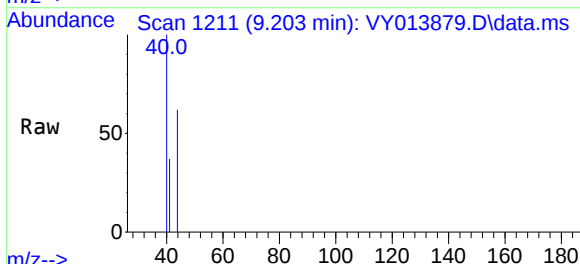
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

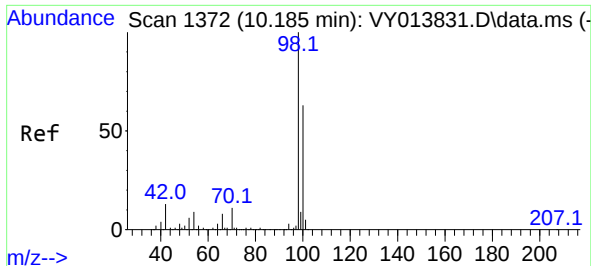
Tgt Ion:	41	Resp:	18
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.1	66.1#
67	0.0	63.7	95.5#
52	0.0	28.2	42.4#



#48
Methyl methacrylate
Concen: 1.673 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. -0.091 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion:	41	Resp:	47
Ion	Ratio	Lower	Upper
41	100		
69	0.0	62.0	93.0#
39	0.0	45.7	68.5#

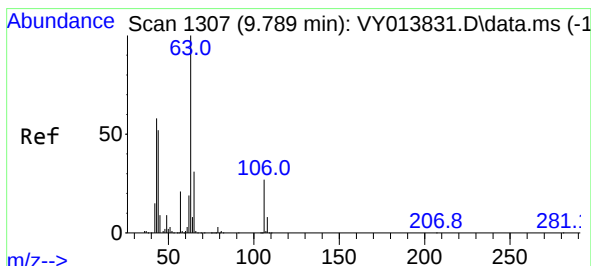
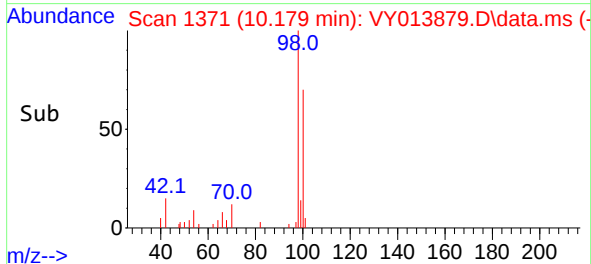
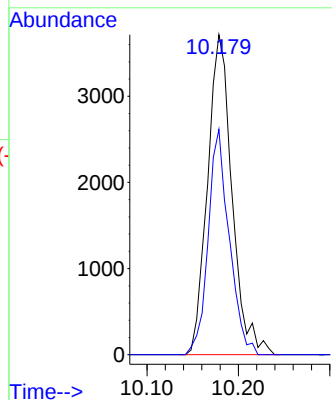
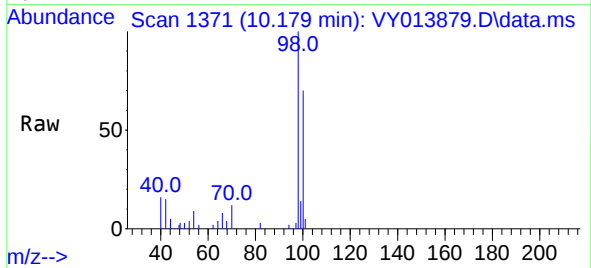




#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

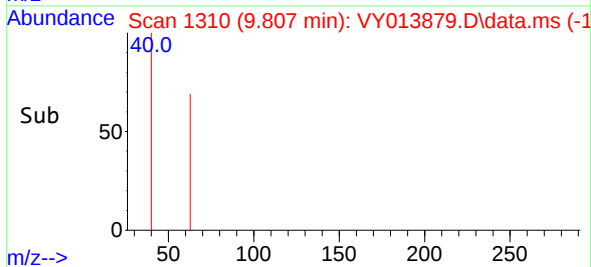
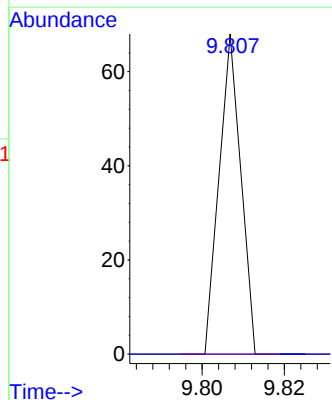
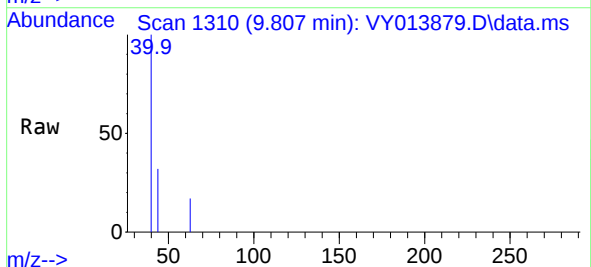
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

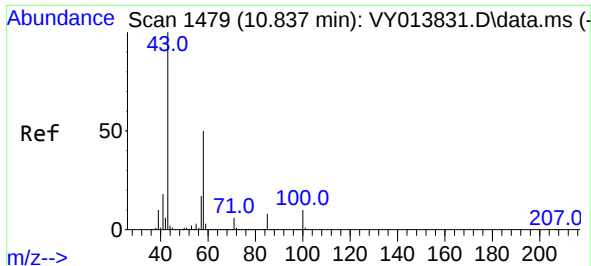
Tgt Ion: 98 Resp: 6899
Ion Ratio Lower Upper
98 100
100 60.6 50.8 76.2



#58
2-Chloroethyl Vinyl ether
Concen: 1.924 ug/l
RT: 9.807 min Scan# 1310
Delta R.T. 0.018 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#

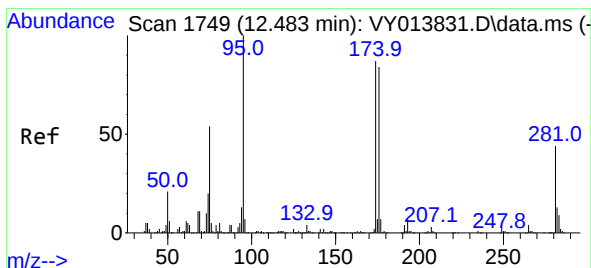
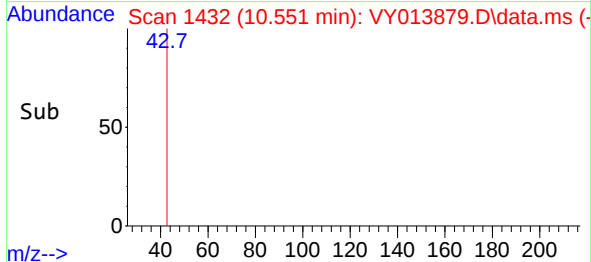
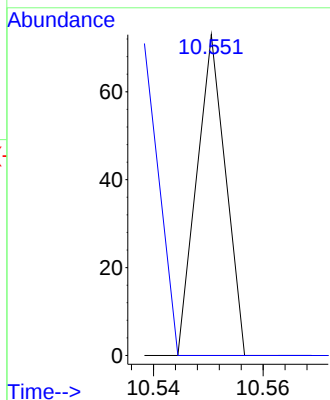
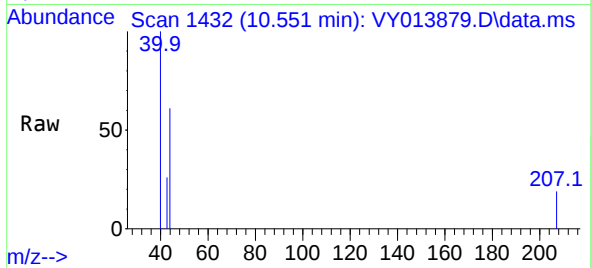




#59
2-Hexanone
Concen: 1.190 ug/l
RT: 10.551 min Scan# 1479
Delta R.T. -0.287 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

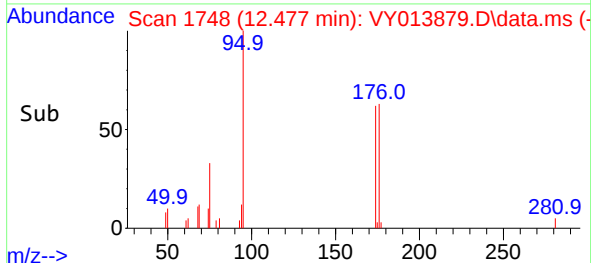
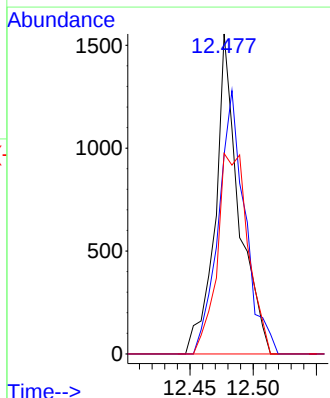
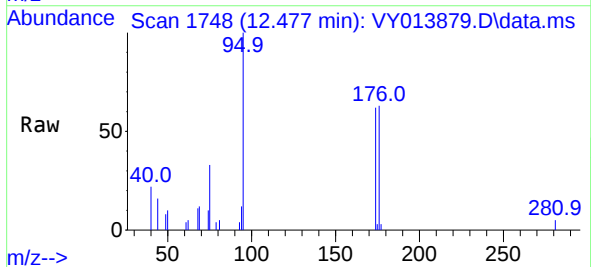
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

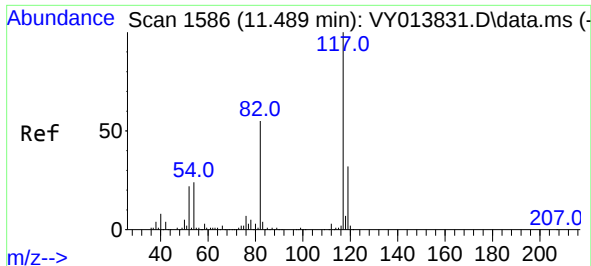
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
58 0.0 24.8 74.3#



#62
4-Bromofluorobenzene
Concen: 45.179 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 95 Resp: 2017
Ion Ratio Lower Upper
95 100
174 92.6 0.0 176.0
176 82.1 0.0 170.2

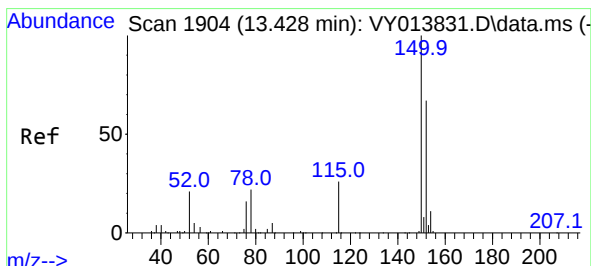
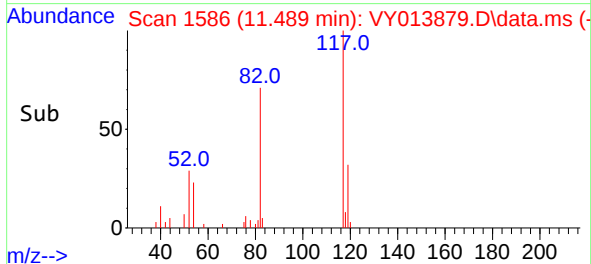
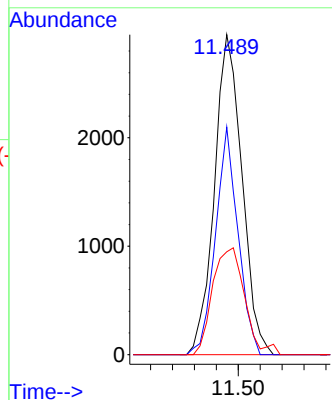
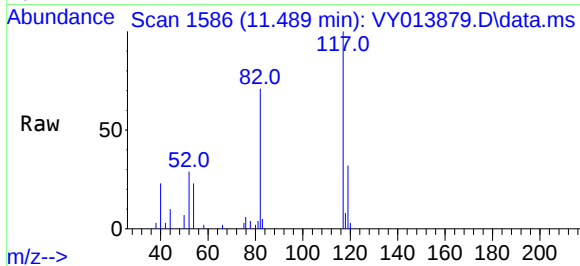




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

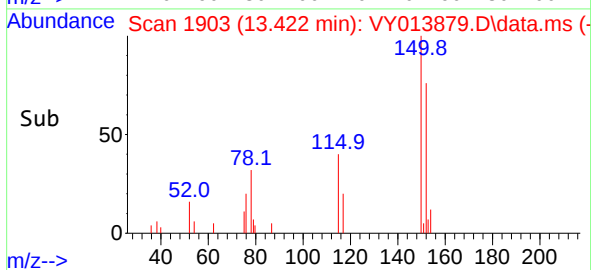
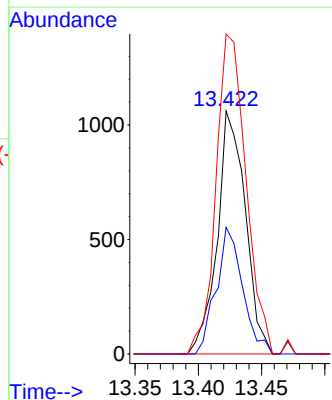
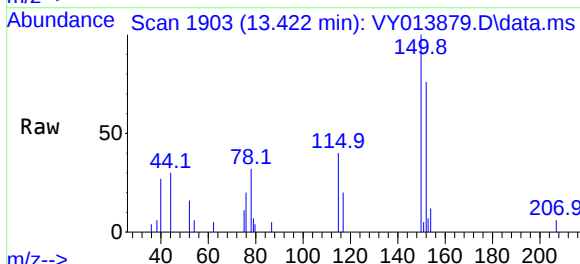
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

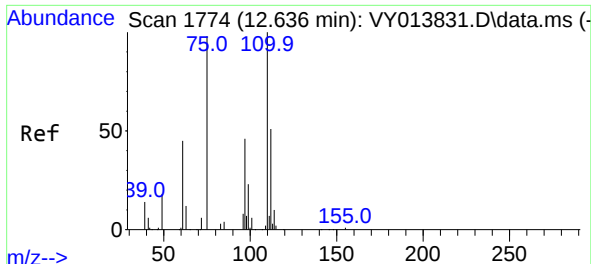
Tgt Ion:	117	Resp:	5159
Ion	Ratio	Lower	Upper
117	100		
82	71.1	44.2	66.4#
119	32.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion:	152	Resp:	1636
Ion	Ratio	Lower	Upper
152	100		
115	49.1	28.8	86.5
150	140.7	0.0	353.4

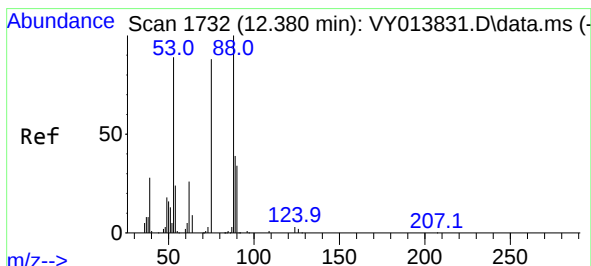
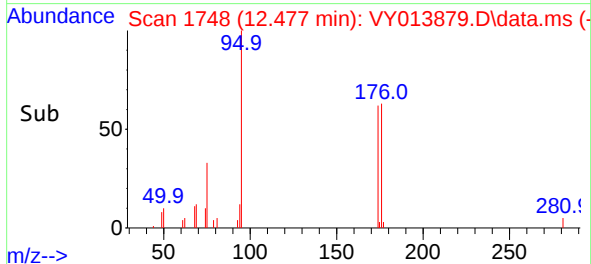
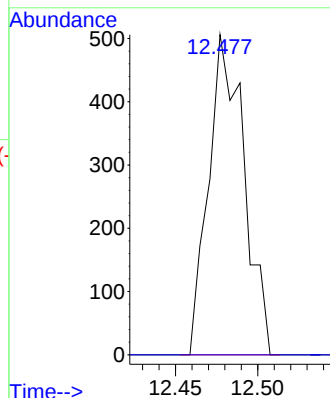
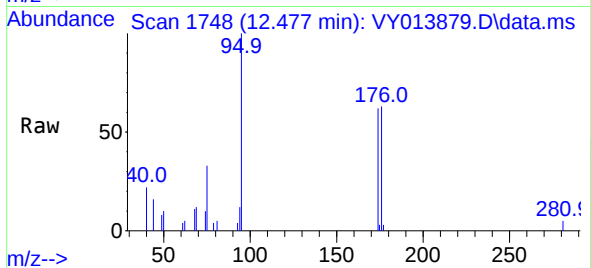




#76
1,2,3-Trichloropropane
Concen: 39.294 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 85.294 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#

