

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013901.D
 Acq On : 26 May 2023 18:20
 Operator : KP/MD
 Sample : 02955-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB27

Quant Time: May 29 04:35:46 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)

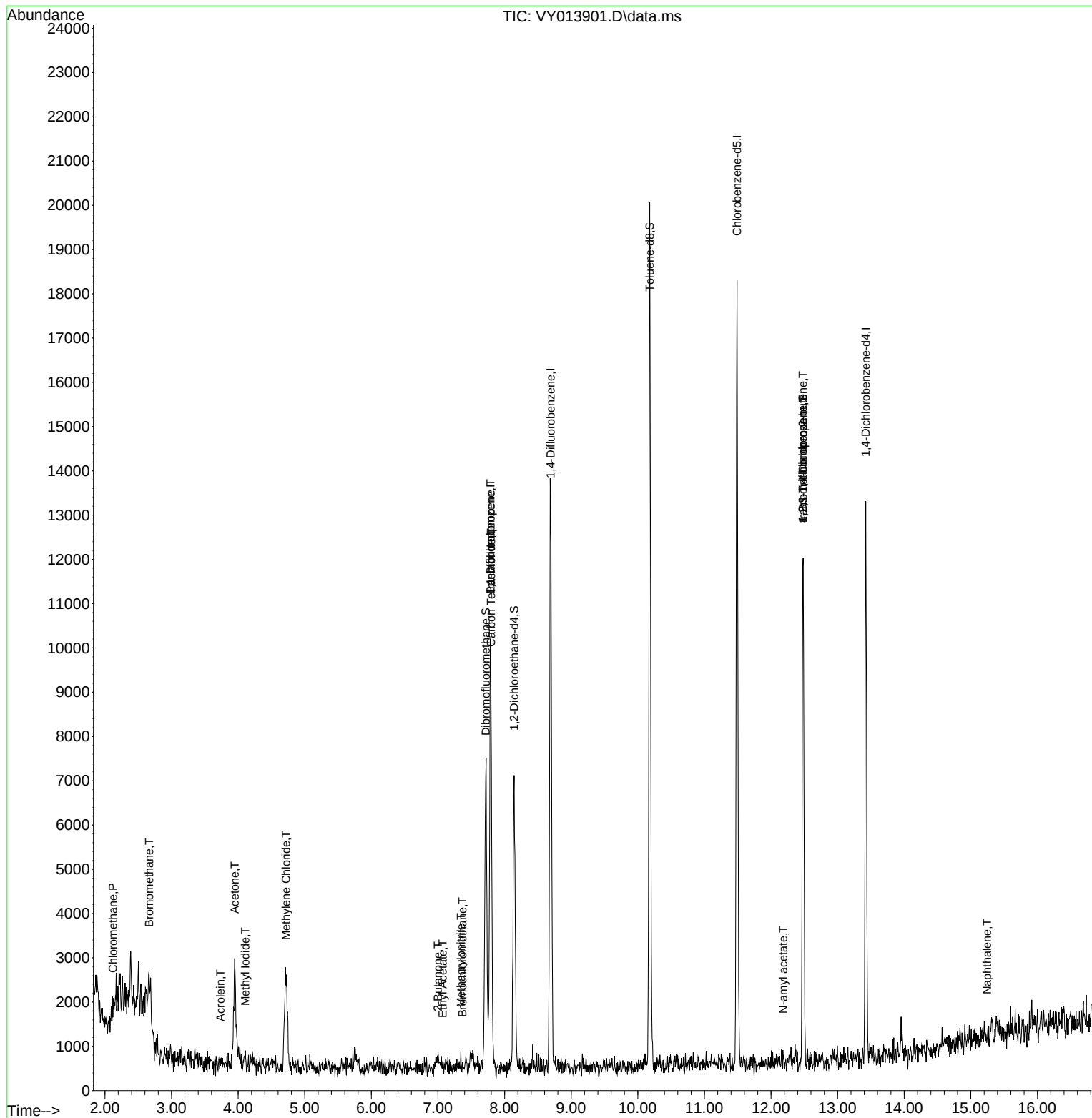
Internal Standards						
1) Pentafluorobenzene	7.789	168	7741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	11124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5430	60.633	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.260%	
35) Dibromofluoromethane	7.716	113	4547	63.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.580%	
50) Toluene-d8	10.179	98	12672	46.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.820%	
62) 4-Bromofluorobenzene	12.477	95	3157	34.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.560%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	348	4.029	ug/l #	43
5) Bromomethane	2.662	94	222	3.162	ug/l	95
10) Methyl Iodide	4.107	142	383	4.003	ug/l #	38
13) Acrolein	3.735	56	43	4.167	ug/l #	15
16) Acetone	3.948	43	3981	149.774	ug/l	97
20) Methylene Chloride	4.716	84	1674	16.037	ug/l #	96
25) 2-Butanone	6.996	43	352	10.853	ug/l	93
28) Bromochloromethane	7.368	49	48	1.050	ug/l #	14
36) 1,1-Dichloropropene	7.789	75	586	5.355	ug/l #	42
37) Ethyl Acetate	7.069	43	117	1.753	ug/l #	71
38) Carbon Tetrachloride	7.795	117	809	6.501	ug/l #	13
41) Methacrylonitrile	7.344	41	82	2.252	ug/l #	20
74) N-amyl acetate	12.184	43	86	1.117	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	2113	52.078	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2113	113.044	ug/l #	10
95) Naphthalene	15.245	128	142	5.428	ug/l #	68

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
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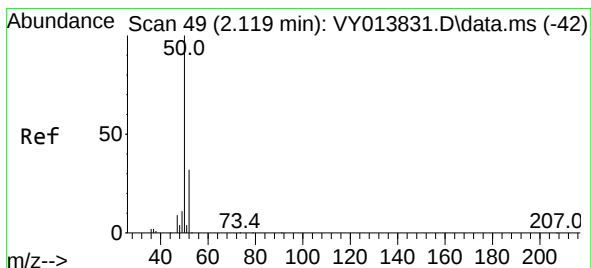
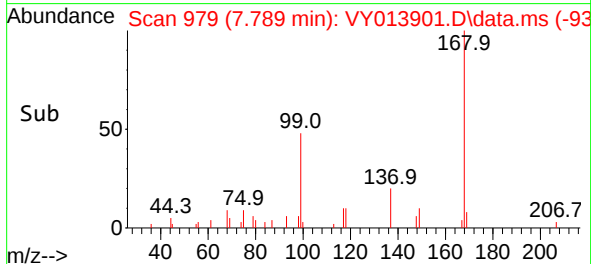
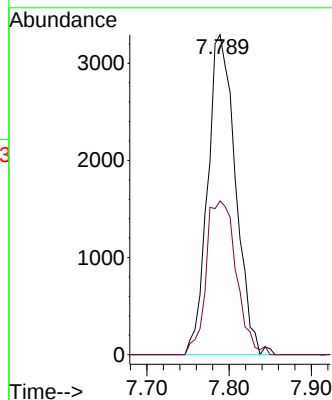
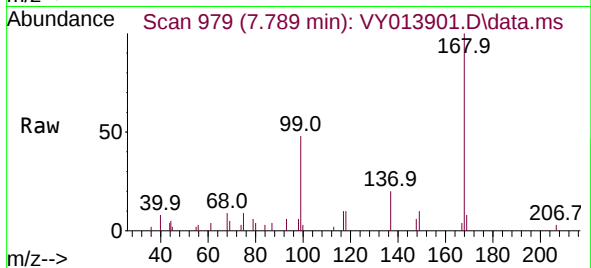




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

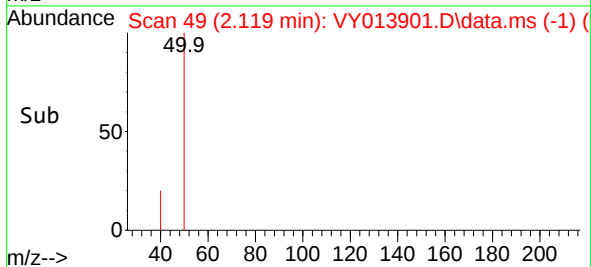
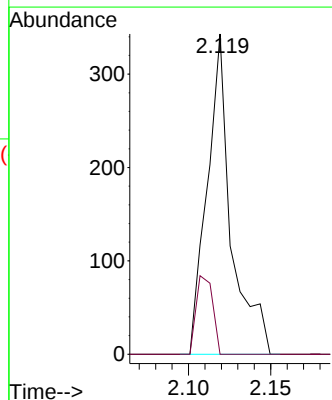
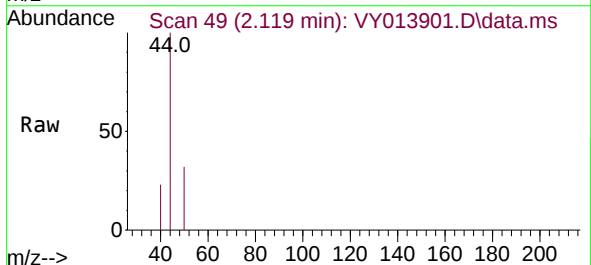
Instrument :
MSVOA_Y
ClientSampleId :
SB27

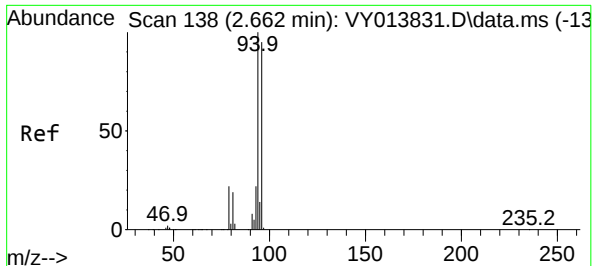
Tgt Ion:168 Resp: 7741
Ion Ratio Lower Upper
168 100
99 48.0 43.4 65.2



#3
Chloromethane
Concen: 4.029 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion: 50 Resp: 348
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

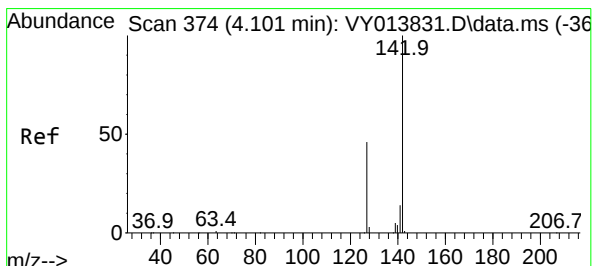
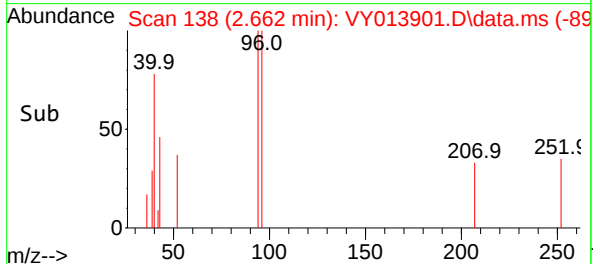
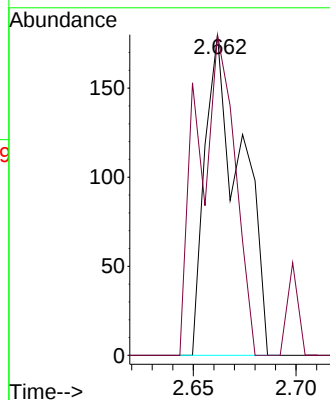
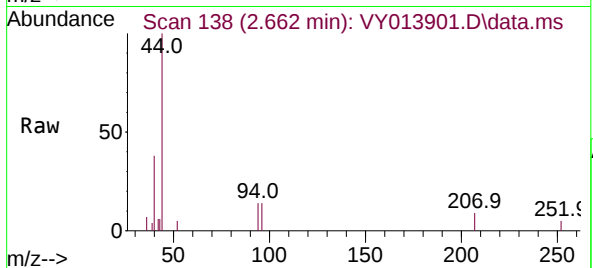




#5
Bromomethane
Concen: 3.162 ug/l
RT: 2.662 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

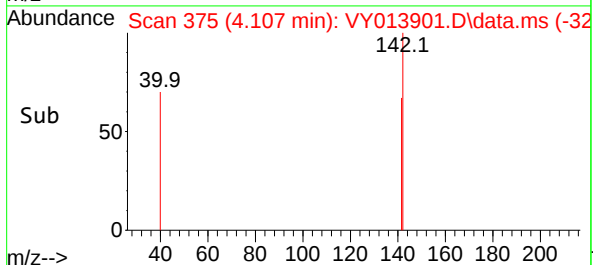
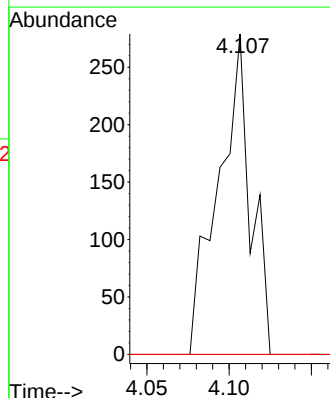
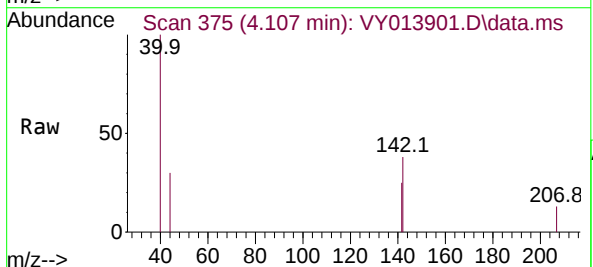
Instrument :
MSVOA_Y
ClientSampleId :
SB27

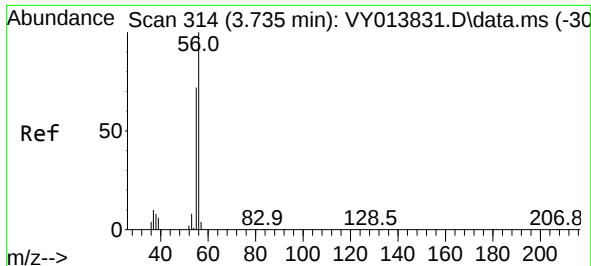
Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 100.0 76.2 114.2



#10
Methyl Iodide
Concen: 4.003 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion:142 Resp: 383
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 11.8 17.6#

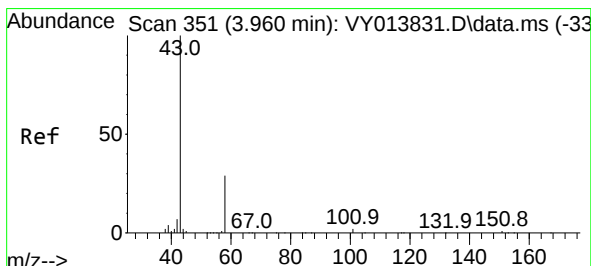
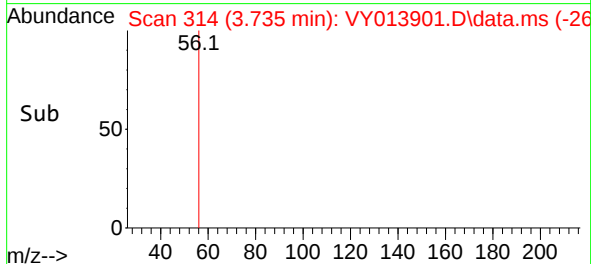
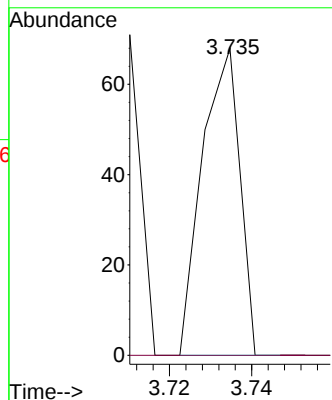
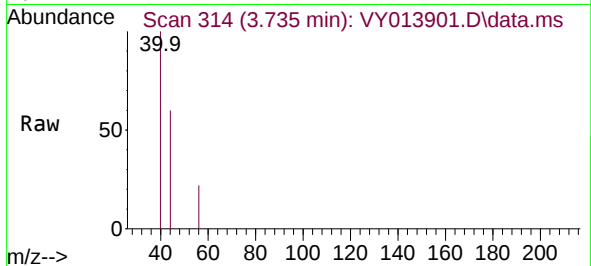




#13
Acrolein
Concen: 4.167 ug/l
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

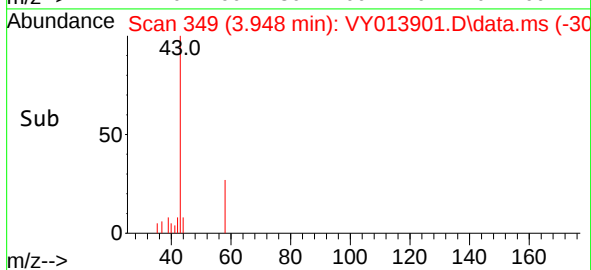
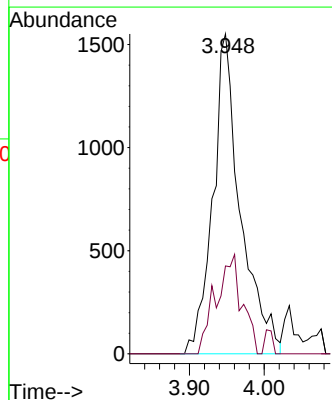
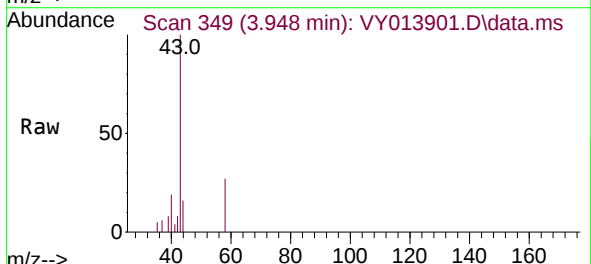
Instrument :
MSVOA_Y
ClientSampleId :
SB27

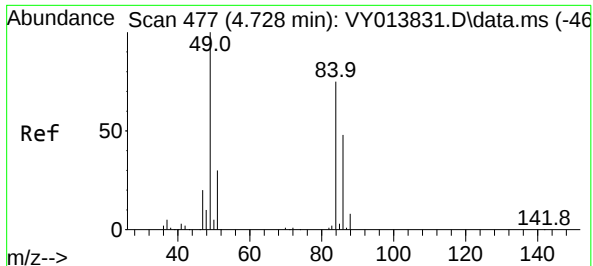
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 149.774 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion: 43 Resp: 3981
Ion Ratio Lower Upper
43 100
58 27.5 23.3 34.9

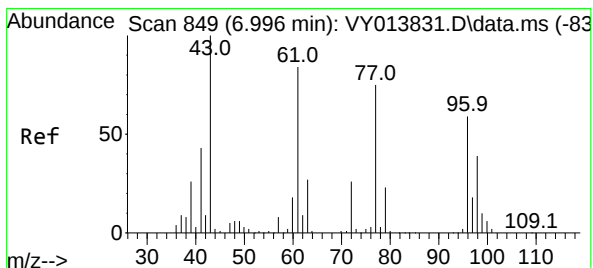
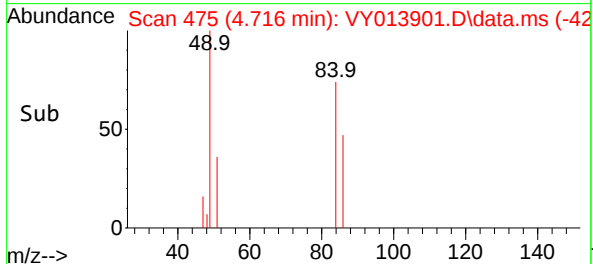
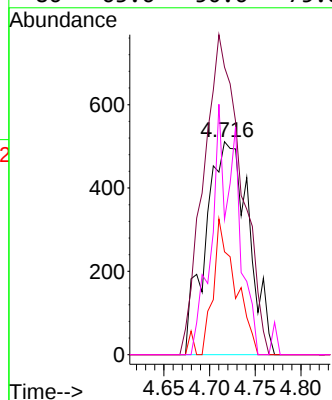
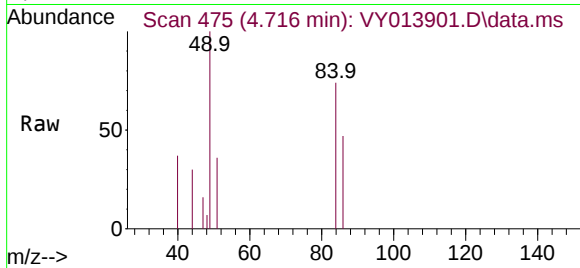




#20
Methylene Chloride
Concen: 16.037 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

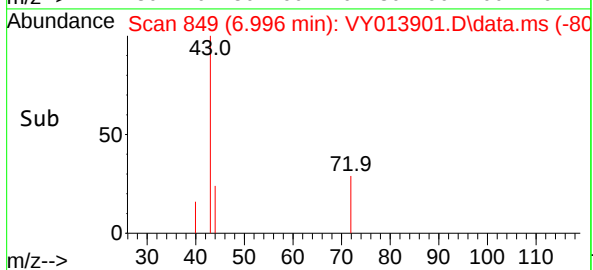
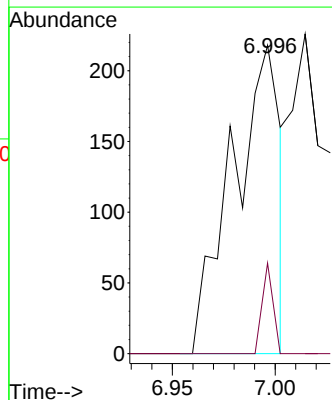
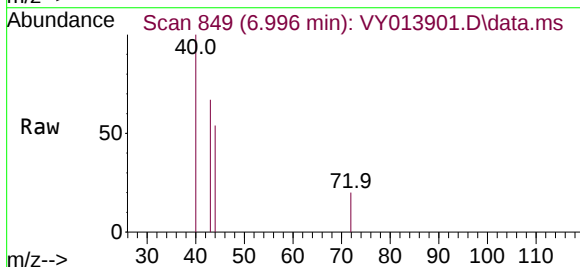
Instrument :
MSVOA_Y
ClientSampleId :
SB27

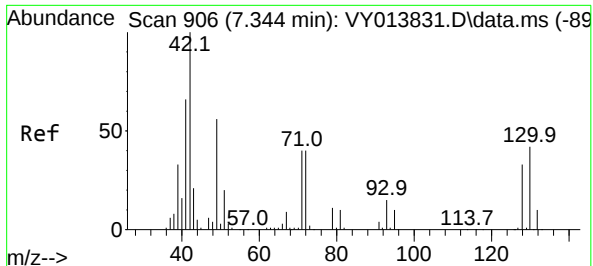
Tgt Ion:	84	Resp:	1674
Ion	Ratio	Lower	Upper
84	100		
49	135.0	106.2	159.2
51	48.3	31.4	47.0#
86	63.6	50.6	75.8



#25
2-Butanone
Concen: 10.853 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion:	43	Resp:	352
Ion	Ratio	Lower	Upper
43	100		
72	29.4	20.5	30.7

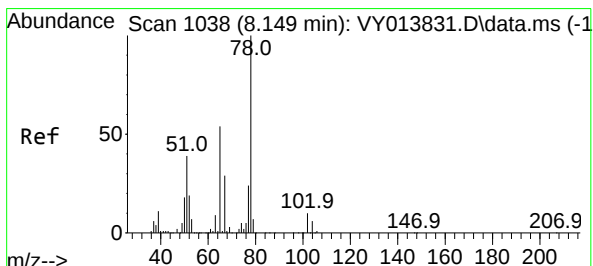
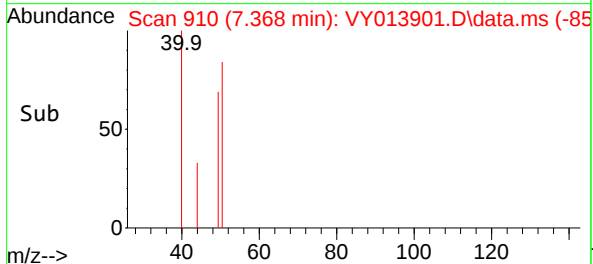
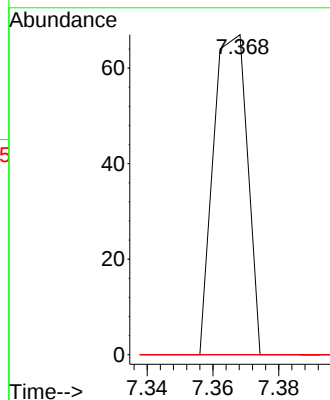
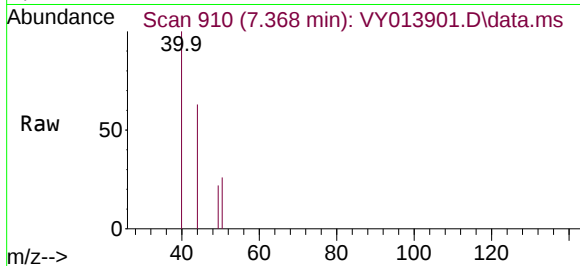




#28
Bromochloromethane
Concen: 1.050 ug/l
RT: 7.368 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

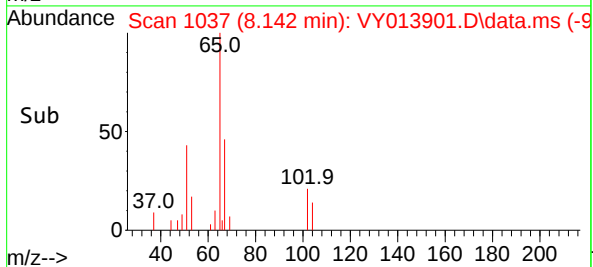
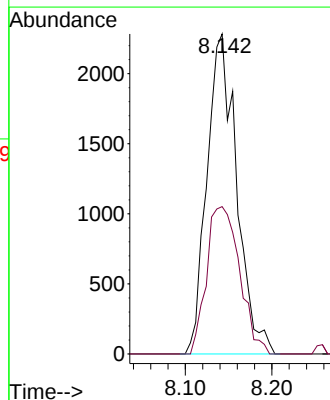
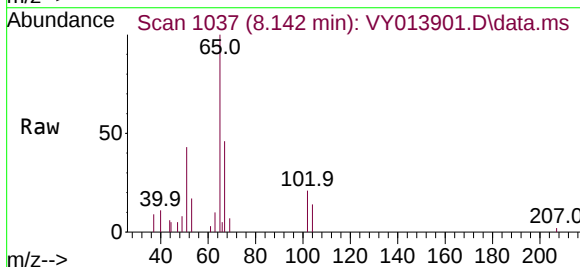
Instrument :
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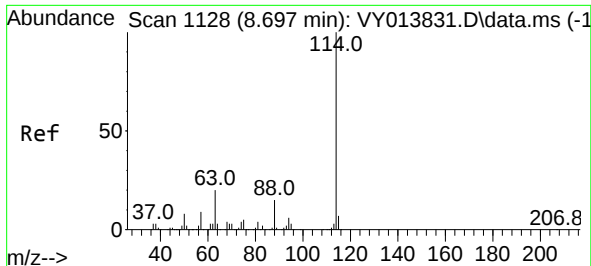
Tgt Ion: 49 Resp: 48
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 60.2 90.2#



#33
1,2-Dichloroethane-d4
Concen: 60.633 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion: 65 Resp: 5430
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4

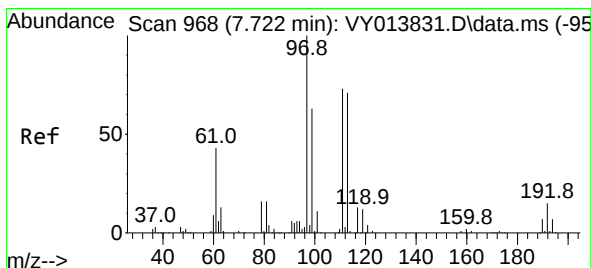
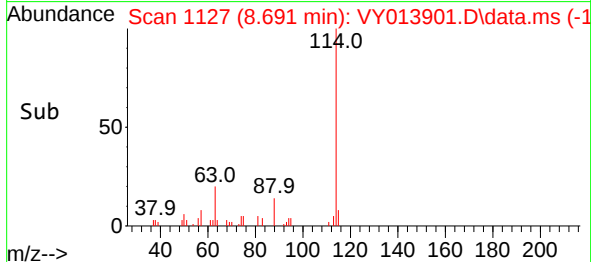
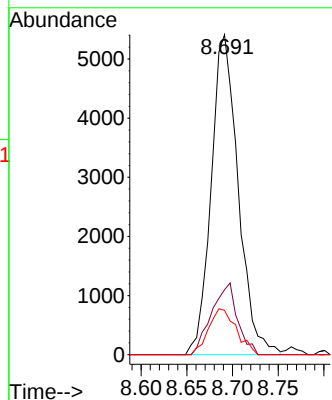
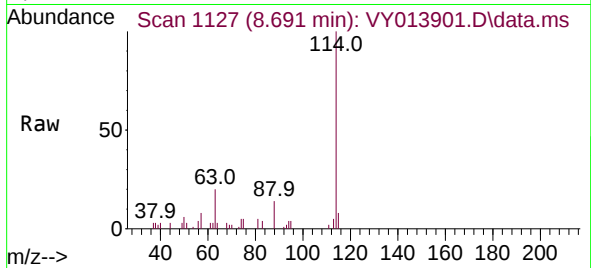




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

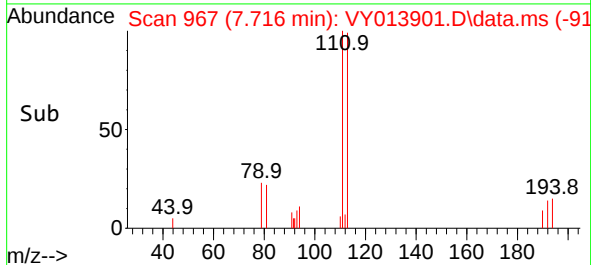
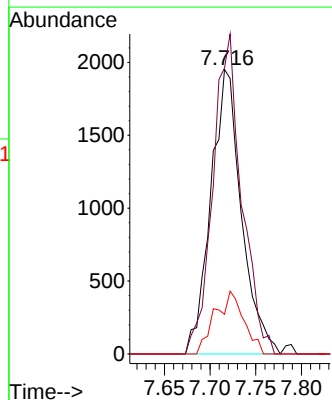
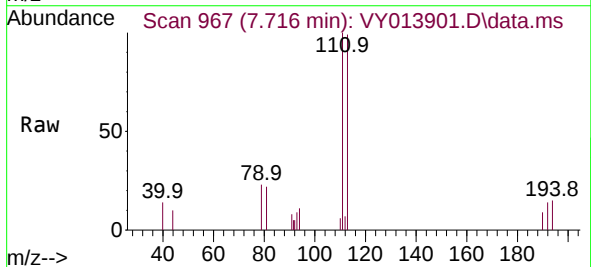
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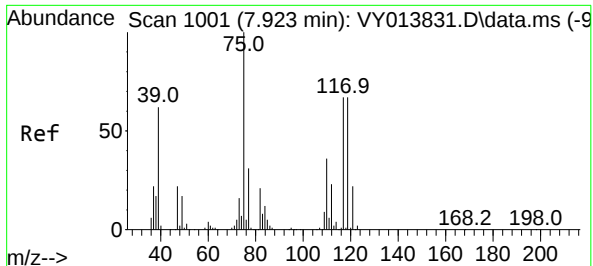
Tgt Ion:114	Resp:	11124
Ion	Ratio	Lower Upper
114	100	
63	20.3	0.0 40.2
88	13.9	0.0 30.0



#35
Dibromofluoromethane
Concen: 63.294 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion:113	Resp:	4547
Ion	Ratio	Lower Upper
113	100	
111	105.6	80.4 120.6
192	20.7	16.6 25.0





#36

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013901.D

Acq: 26 May 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

SB27

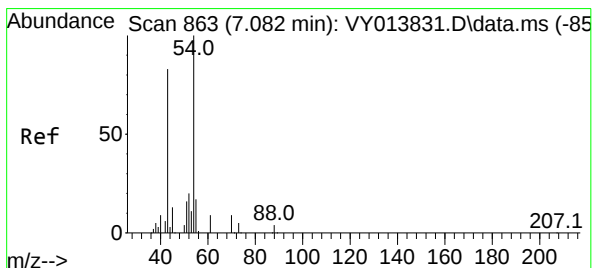
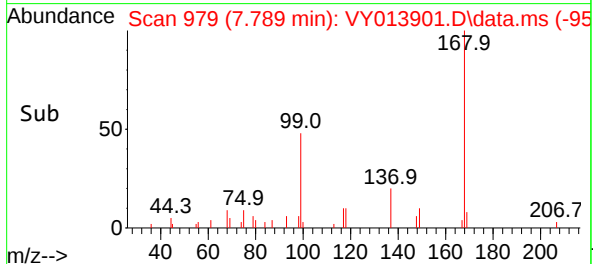
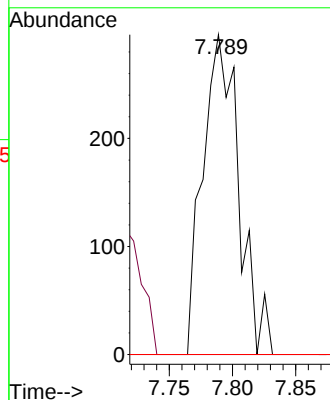
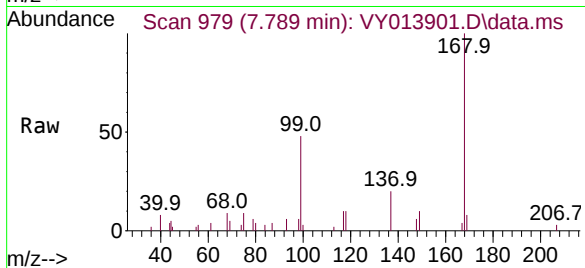
Tgt Ion: 75 Resp: 586

Ion Ratio Lower Upper

75 100

110 0.0 17.5 52.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.753 ug/l

RT: 7.069 min Scan# 861

Delta R.T. -0.012 min

Lab File: VY013901.D

Acq: 26 May 2023 18:20

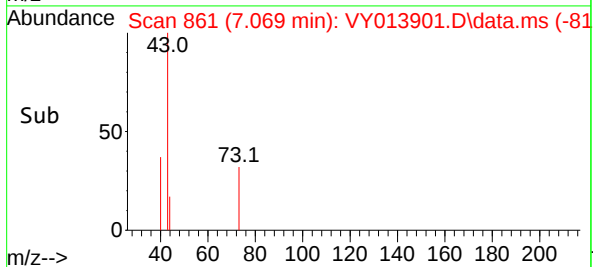
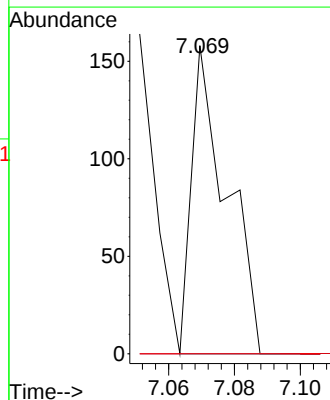
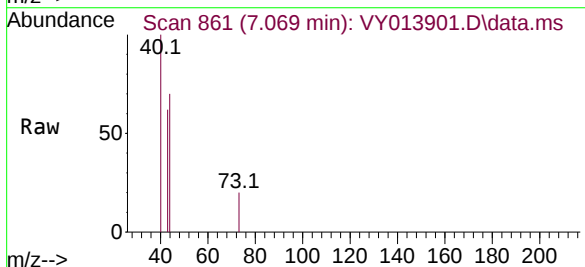
Tgt Ion: 43 Resp: 117

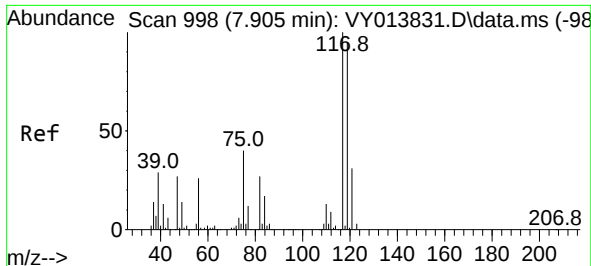
Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 0.0 6.9 10.3#

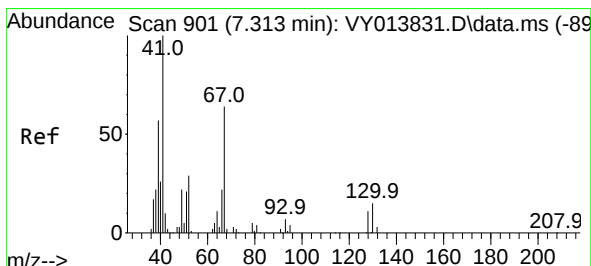
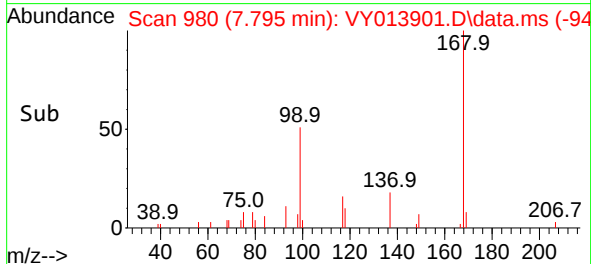
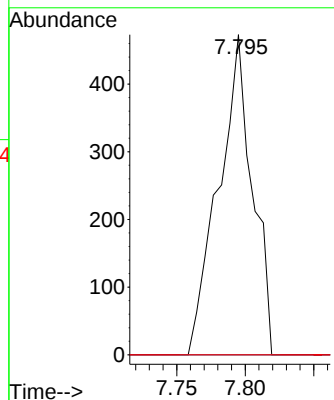
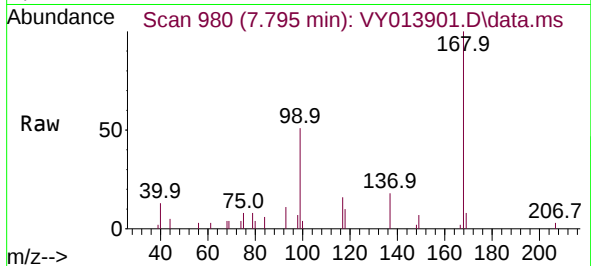




#38
Carbon Tetrachloride
Concen: 6.501 ug/l
RT: 7.795 min Scan# 909
Delta R.T. -0.110 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

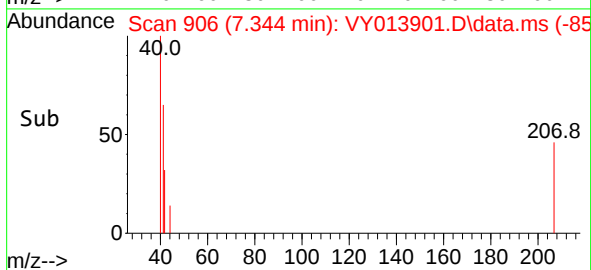
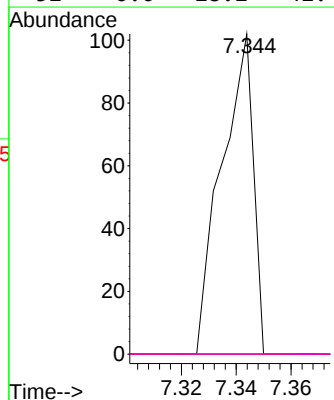
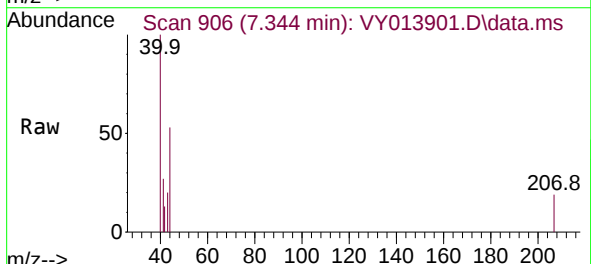
Instrument :
MSVOA_Y
ClientSampleId :
SB27

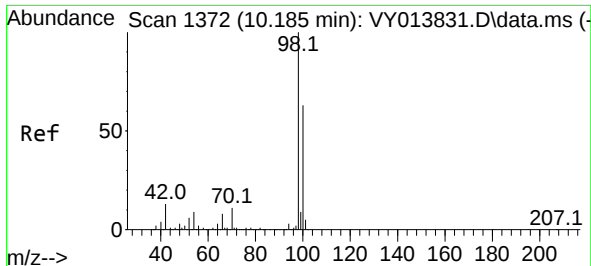
Tgt Ion: 117 Resp: 809
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.252 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.030 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion: 41 Resp: 82
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#

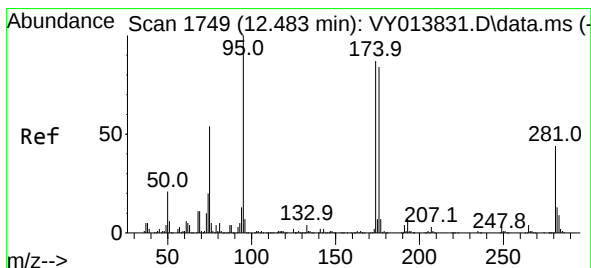
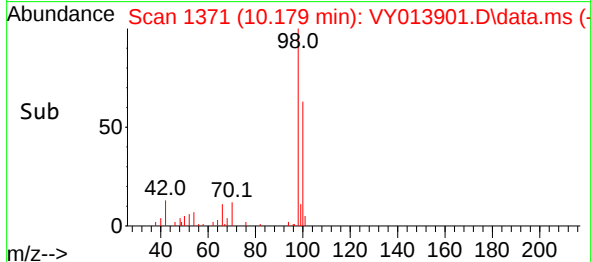
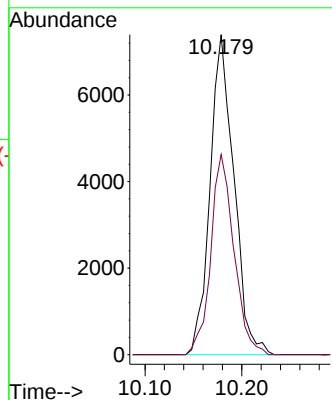
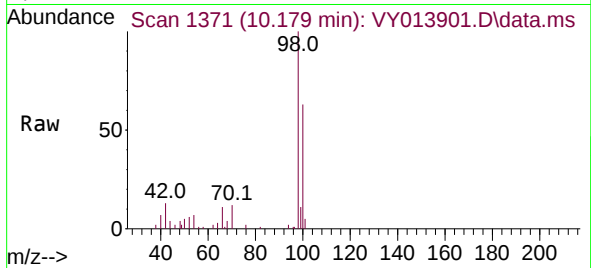




#50
Toluene-d8
Concen: 46.411 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

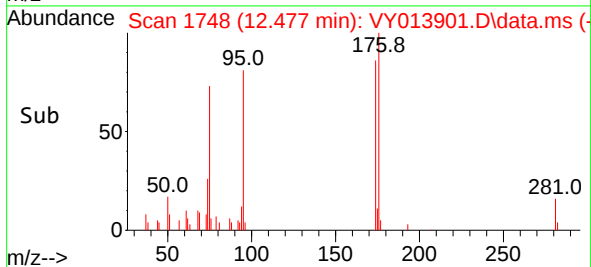
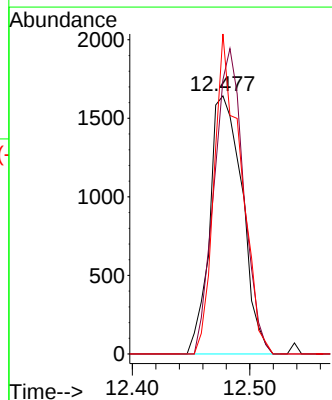
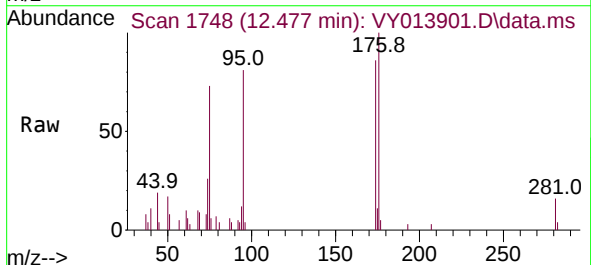
Instrument :
MSVOA_Y
ClientSampleId :
SB27

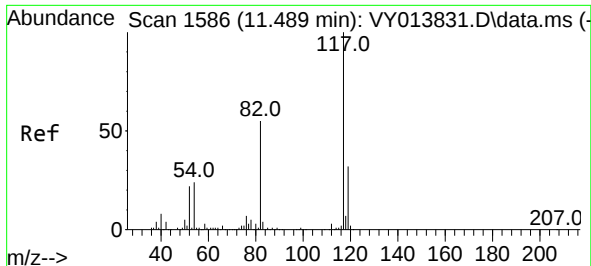
Tgt Ion: 98 Resp: 12672
Ion Ratio Lower Upper
98 100
100 60.9 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 34.785 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion: 95 Resp: 3157
Ion Ratio Lower Upper
95 100
174 106.7 0.0 176.0
176 102.0 0.0 170.2

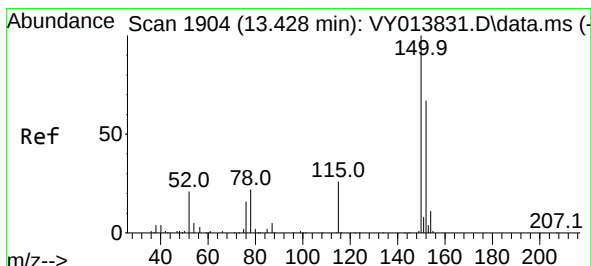
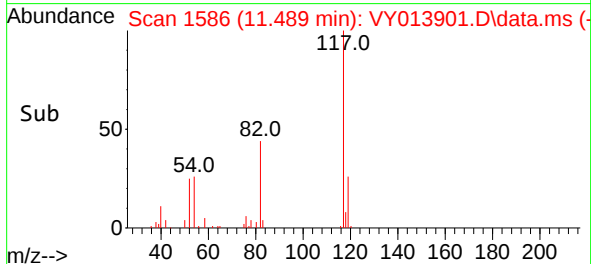
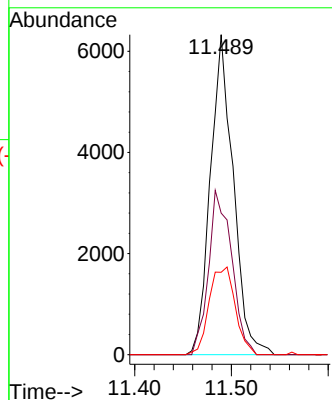
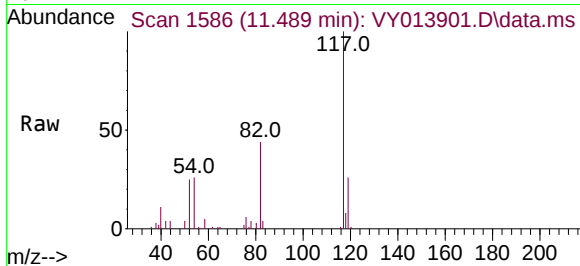




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

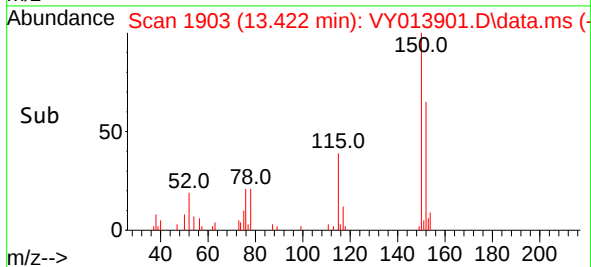
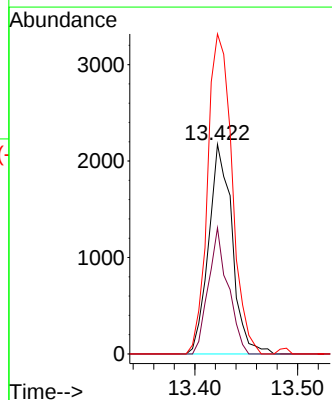
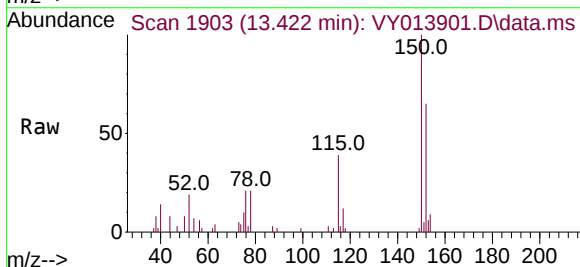
Instrument :
MSVOA_Y
ClientSampleId :
SB27

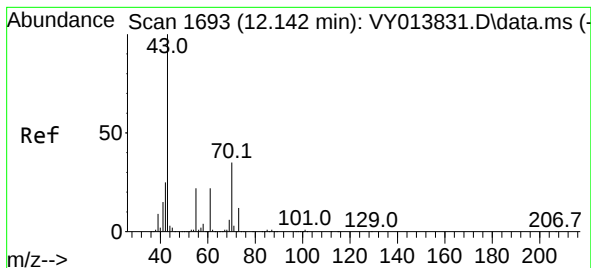
Tgt Ion	Ratio	Lower	Upper
117	100		
82	44.3	44.2	66.4
119	25.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	28.8	86.5
150	159.1	0.0	353.4





#74

N-amy1 acetate

Concen: 1.117 ug/l

RT: 12.184 min Scan# 11

Delta R.T. 0.043 min

Lab File: VY013901.D

Acq: 26 May 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

SB27

Tgt Ion: 43 Resp: 86

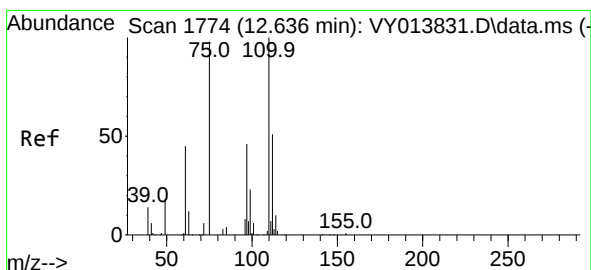
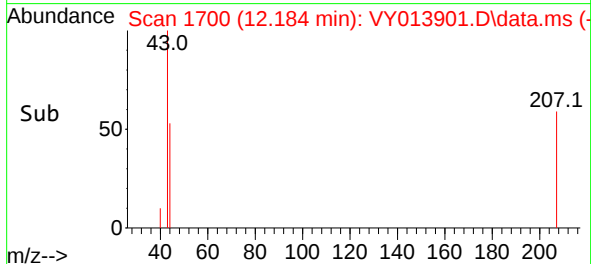
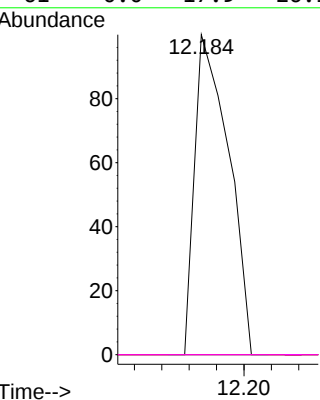
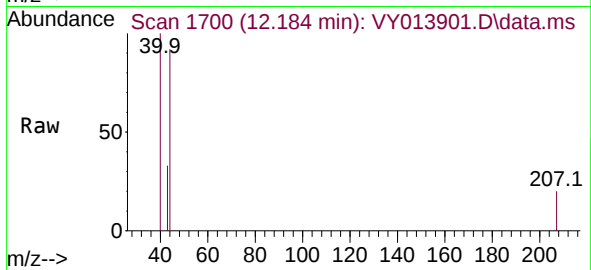
Ion Ratio Lower Upper

43 100

70 0.0 29.3 43.9#

55 0.0 18.0 27.0#

61 0.0 17.9 26.9#



#76

1,2,3-Trichloropropane

Concen: 52.078 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY013901.D

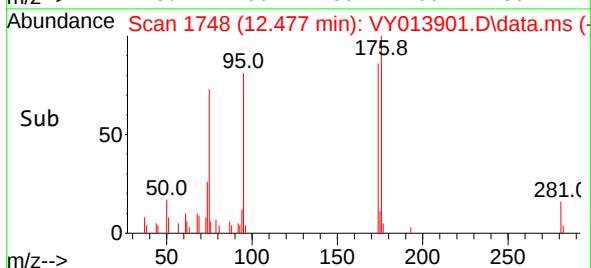
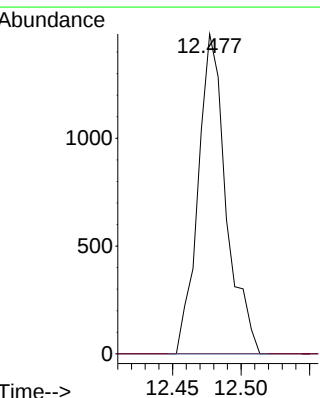
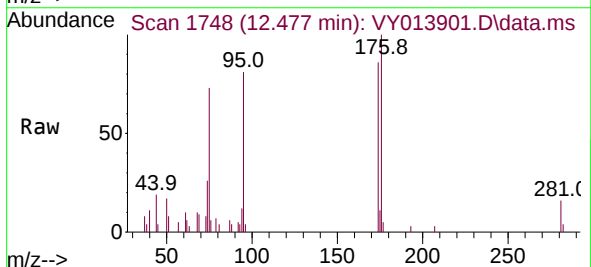
Acq: 26 May 2023 18:20

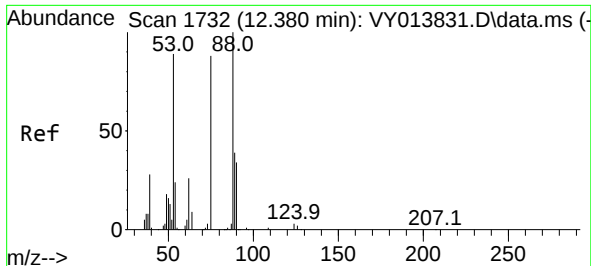
Tgt Ion: 75 Resp: 2113

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

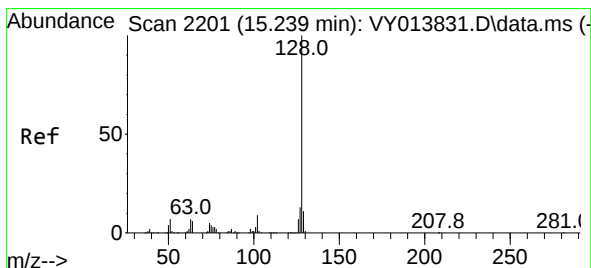
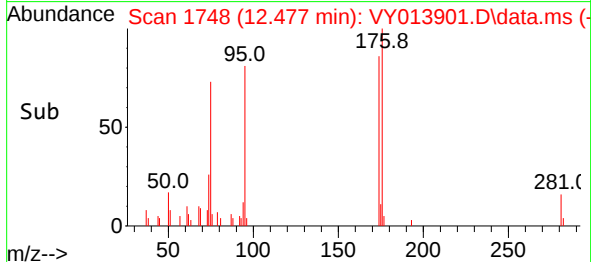
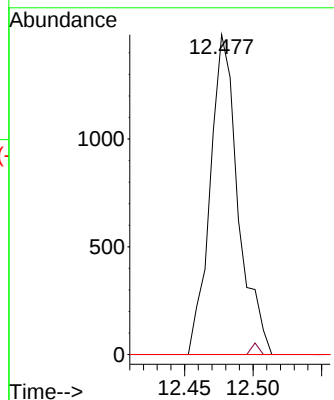
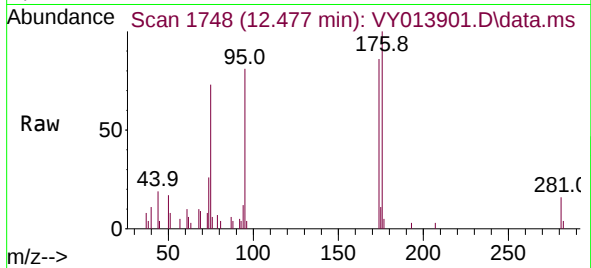




#81
trans-1,4-Dichloro-2-butene
Concen: 113.044 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :
SB27

Tgt Ion: 75 Resp: 2113
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 5.428 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY013901.D
Acq: 26 May 2023 18:20

Tgt Ion:128 Resp: 142
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

