

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016581.D
 Acq On : 04 Dec 2023 16:57
 Operator : SY/MD
 Sample : VY1204SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBL01

Quant Time: Dec 05 01:29:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

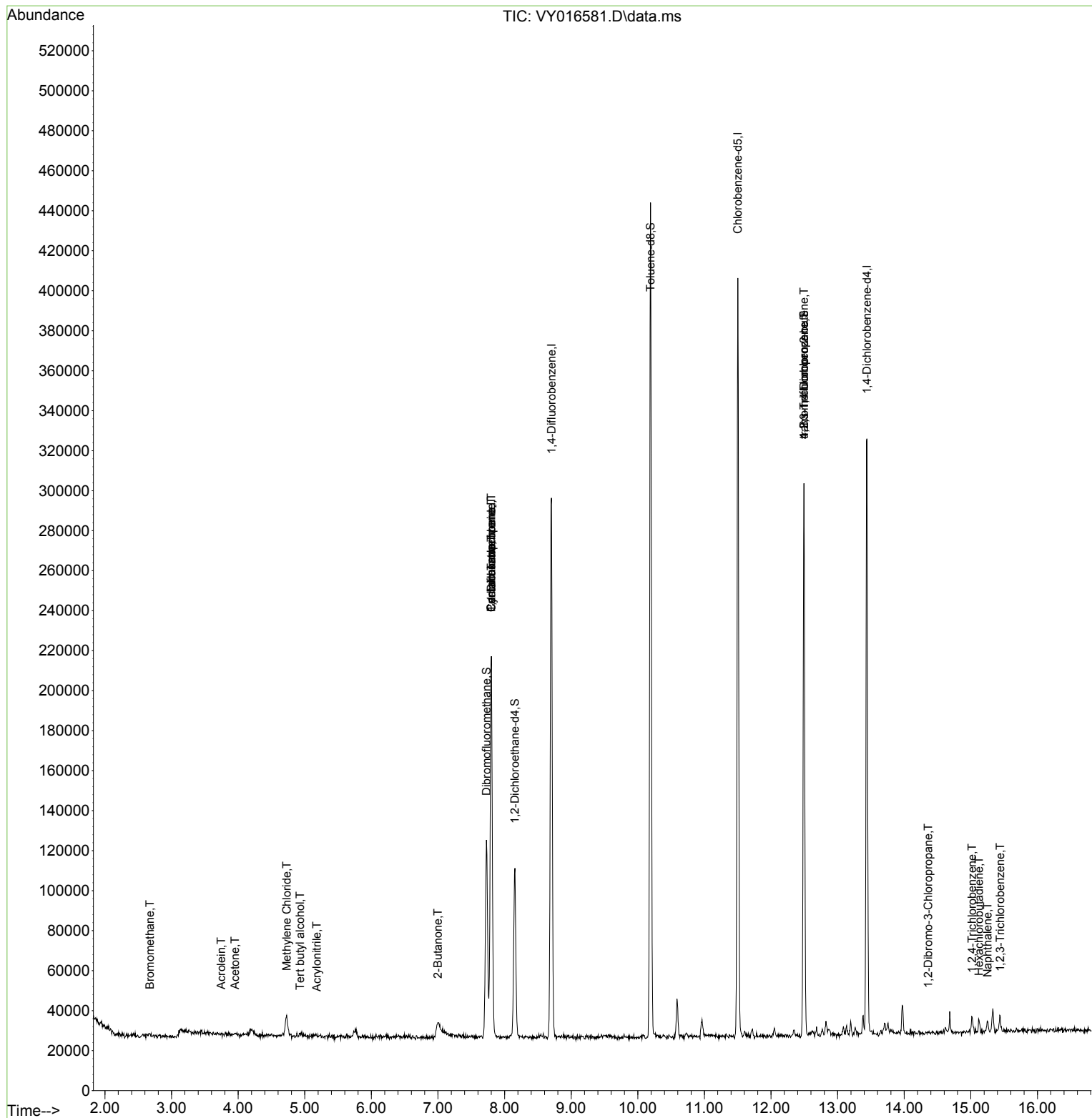
Internal Standards						
1) Pentafluorobenzene	7.801	168	151383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	239300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	204815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	81912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	67891	48.522	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.040%		
35) Dibromofluoromethane	7.728	113	68787	47.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.540%		
50) Toluene-d8	10.191	98	270618	49.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.360%		
62) 4-Bromofluorobenzene	12.495	95	80299	44.826	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.660%		
Target Compounds						Qvalue
5) Bromomethane	2.674	94	932	1.062	ug/l #	53
11) Tert butyl alcohol	4.930	59	474	4.972	ug/l #	89
13) Acrolein	3.747	56	146	1.053	ug/l	88
15) Acrylonitrile	5.180	53	438	1.471	ug/l #	73
16) Acetone	3.954	43	1321	4.172	ug/l	91
20) Methylene Chloride	4.729	84	6951	1.727	ug/l	91
25) 2-Butanone	6.996	43	450	1.034	ug/l #	49
31) Cyclohexane	7.801	56	2932	1.227	ug/l #	2
36) 1,1-Dichloropropene	7.801	75	10997	5.023	ug/l #	50
38) Carbon Tetrachloride	7.801	117	14538	5.737	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	41931	56.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	41931	127.833	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.361	75	155	1.004	ug/l	87
93) 1,2,4-Trichlorobenzene	15.019	180	2704	2.045	ug/l	99
94) Hexachlorobutadiene	15.123	225	1051	1.258	ug/l	89
95) Naphthalene	15.251	128	5486	1.240	ug/l	97
96) 1,2,3-Trichlorobenzene	15.440	180	2565	1.545	ug/l	96

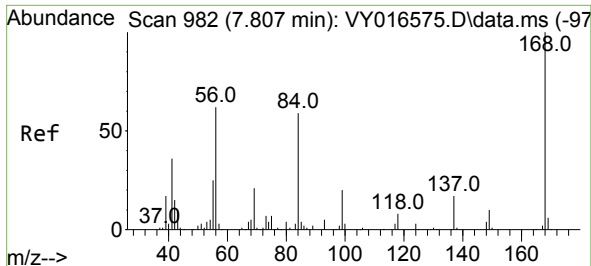
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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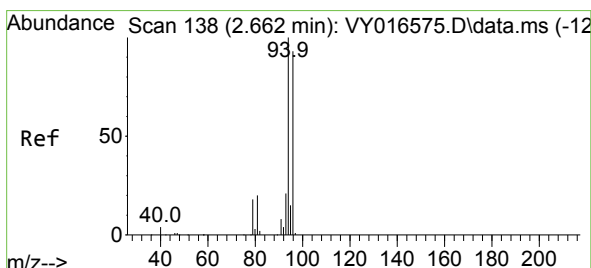
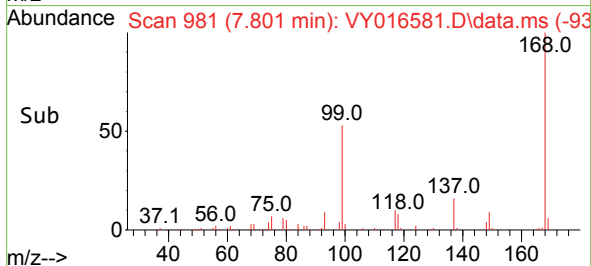
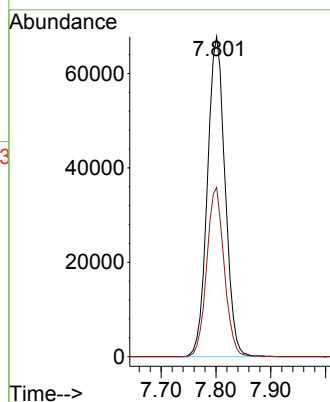
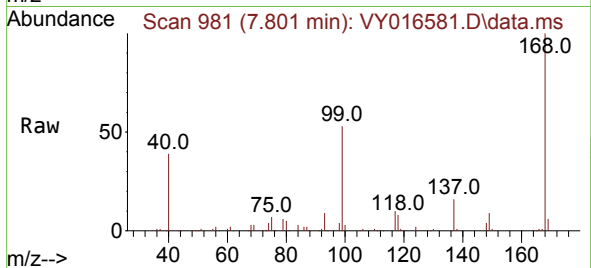




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

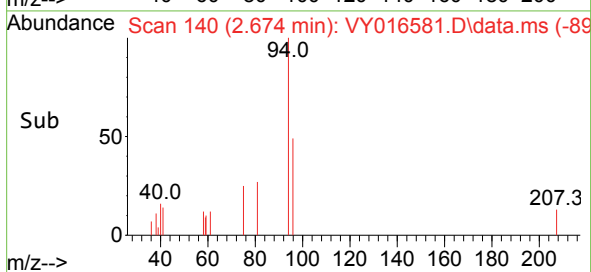
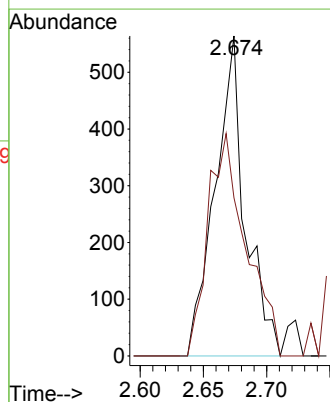
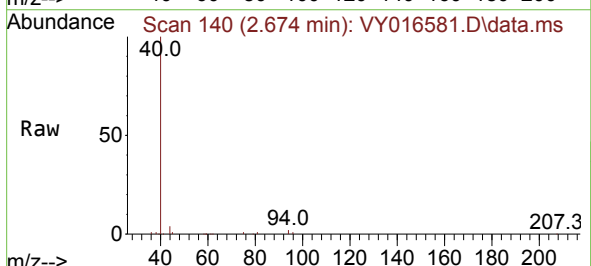
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

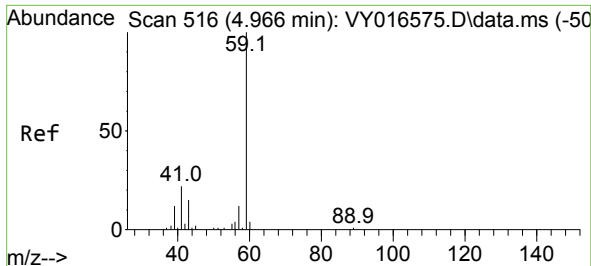
Tgt Ion:168 Resp: 151383
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#5
Bromomethane
Concen: 1.062 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.012 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion: 94 Resp: 932
Ion Ratio Lower Upper
94 100
96 49.5 75.8 113.6#





#11

Tert butyl alcohol

Concen: 4.972 ug/l

RT: 4.930 min Scan# 516

Delta R.T. -0.037 min

Lab File: VY016581.D

Acq: 04 Dec 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

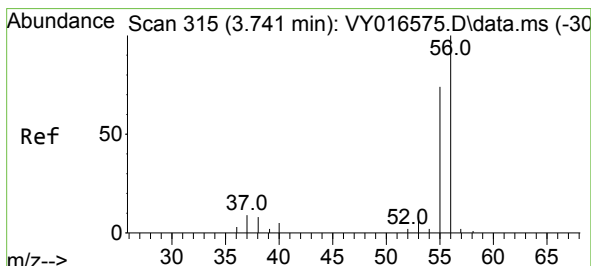
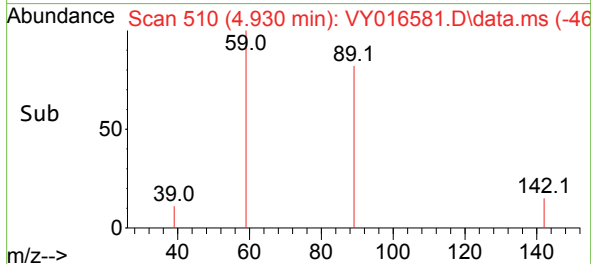
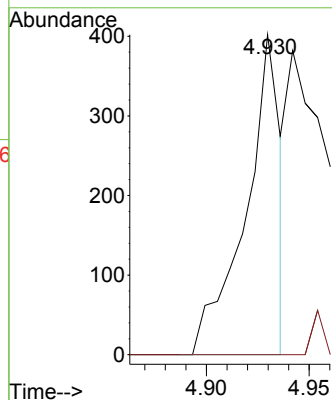
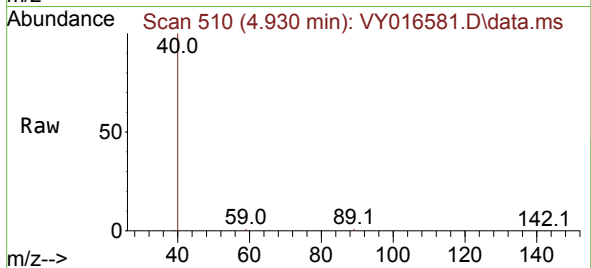
VY1204SBL01

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: 1.053 ug/l

RT: 3.747 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY016581.D

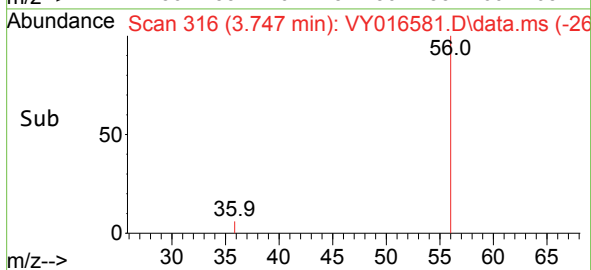
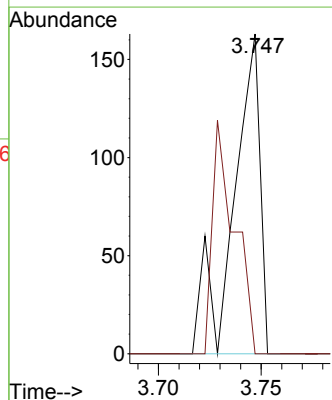
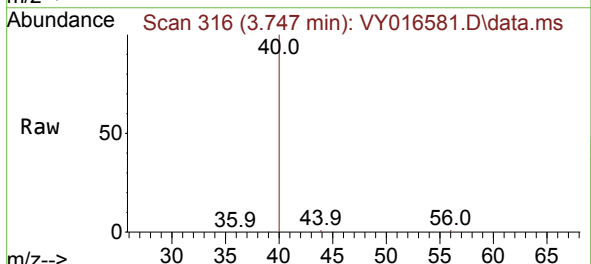
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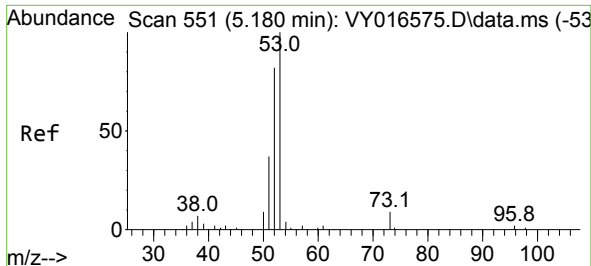
Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 61.0 57.0 85.4

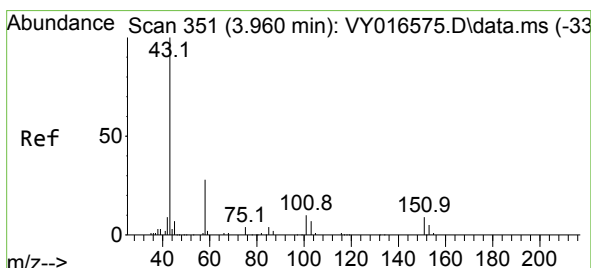
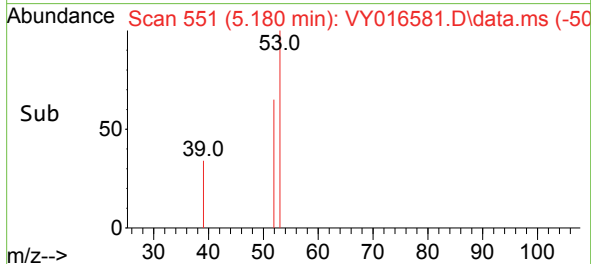
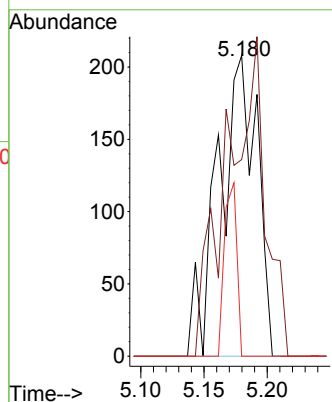
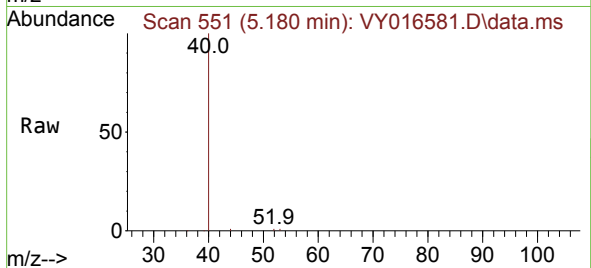




#15
Acrylonitrile
Concen: 1.471 ug/l
RT: 5.180 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

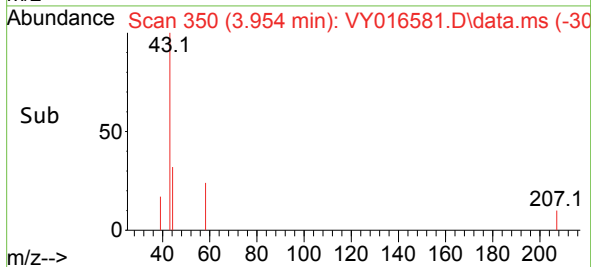
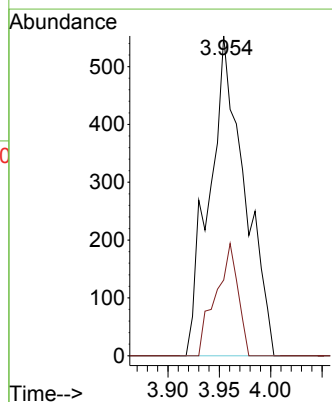
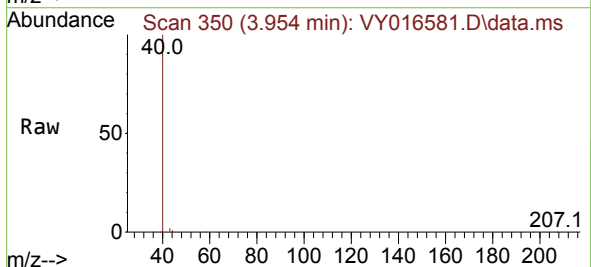
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

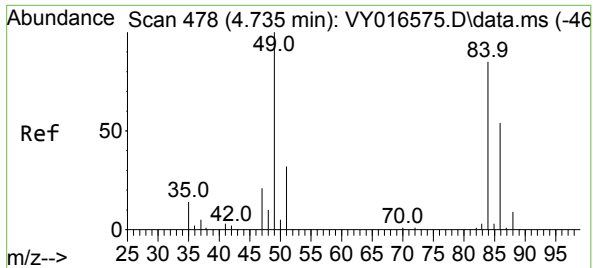
Tgt Ion: 53 Resp: 438
Ion Ratio Lower Upper
53 100
52 105.9 66.9 100.3#
51 18.7 29.8 44.6#



#16
Acetone
Concen: 4.172 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1

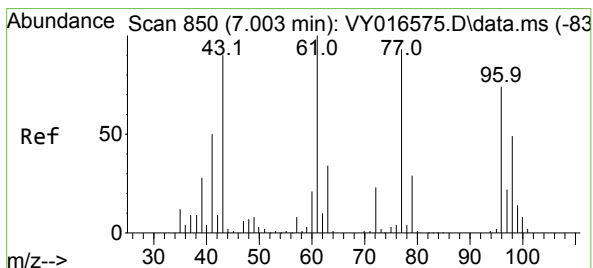
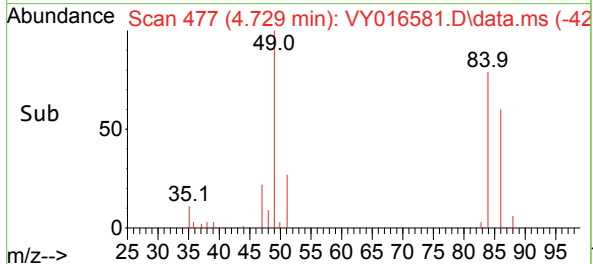
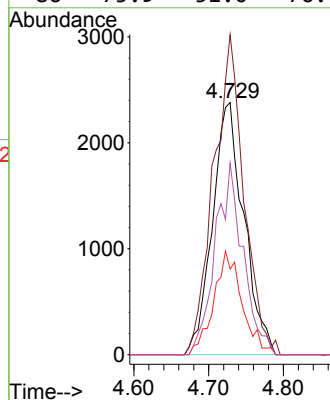
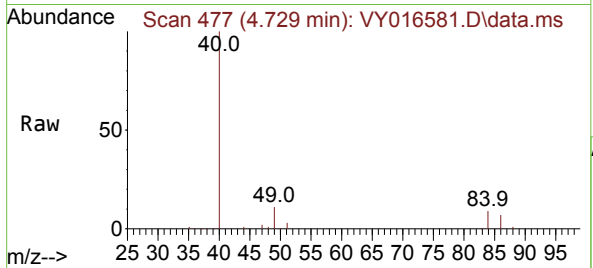




#20
Methylene Chloride
Concen: 1.727 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

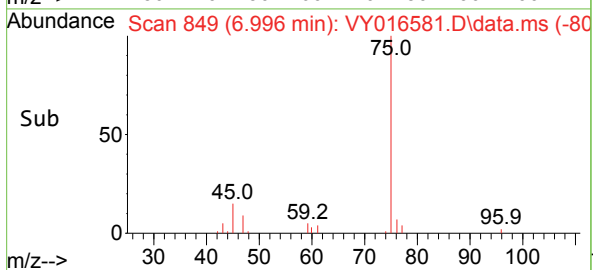
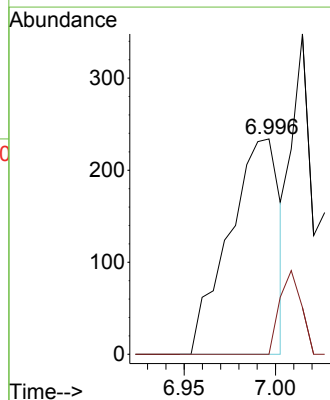
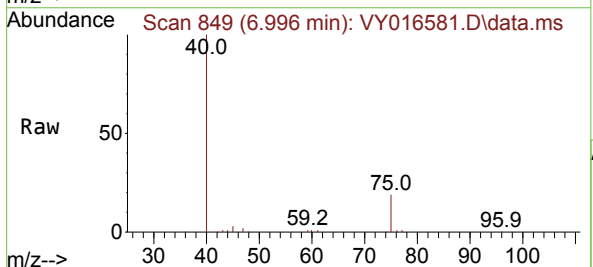
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

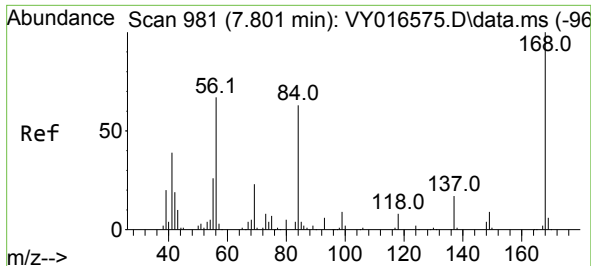
Tgt Ion: 84	Resp: 6951
Ion Ratio	Lower Upper
84 100	
49 126.9	106.9 160.3
51 33.9	33.2 49.8
86 75.9	51.0 76.6



#25
2-Butanone
Concen: 1.034 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion: 43	Resp: 450		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	20.5	30.7#	

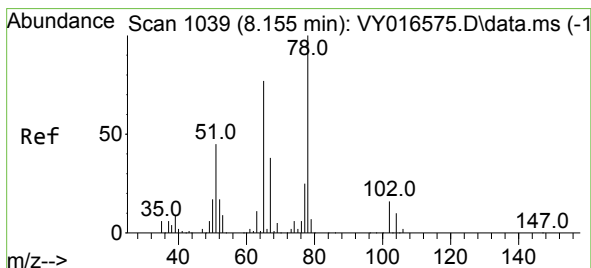
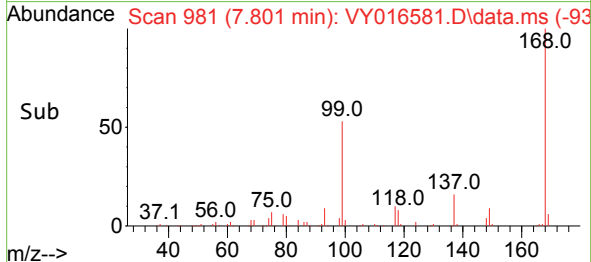
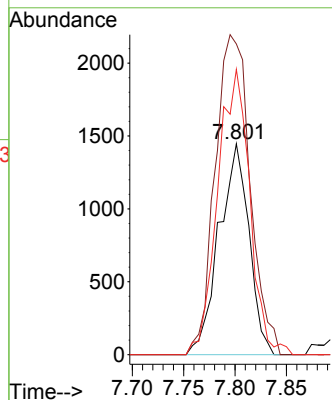
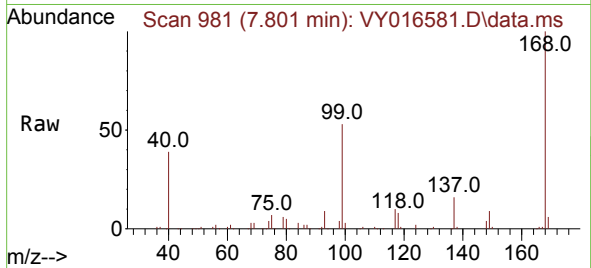




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

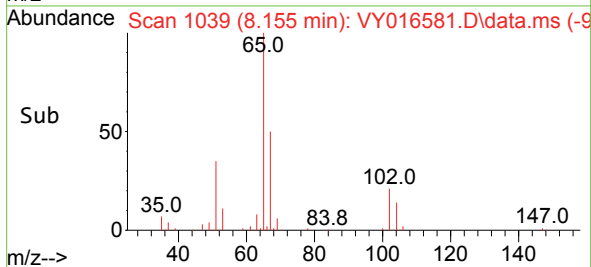
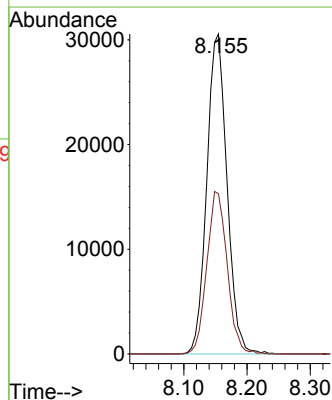
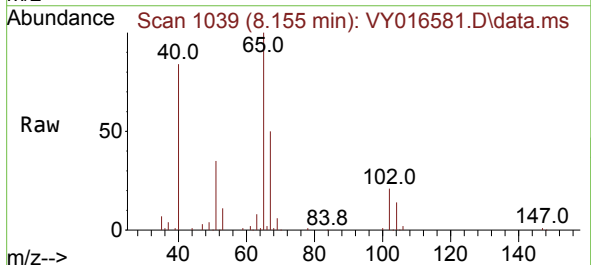
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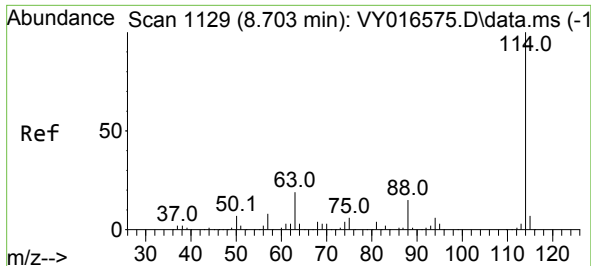
Tgt Ion: 56 Resp: 2932
Ion Ratio Lower Upper
56 100
69 147.4 27.8 41.6#
84 135.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.522 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion: 65 Resp: 67891
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.8

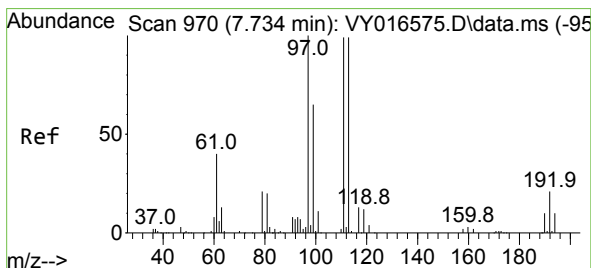
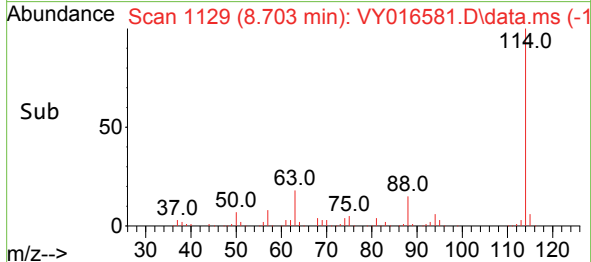
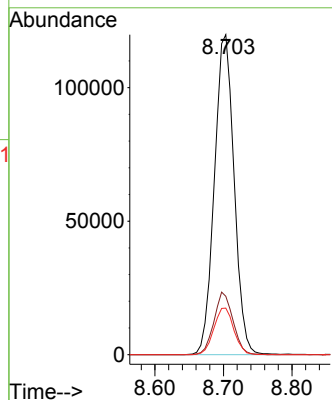
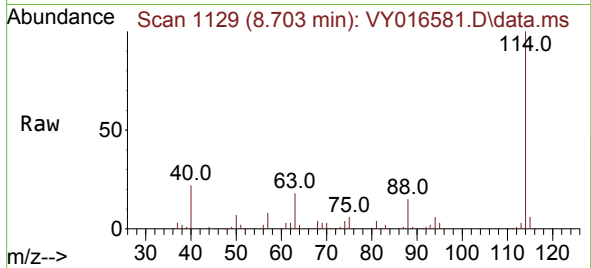




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

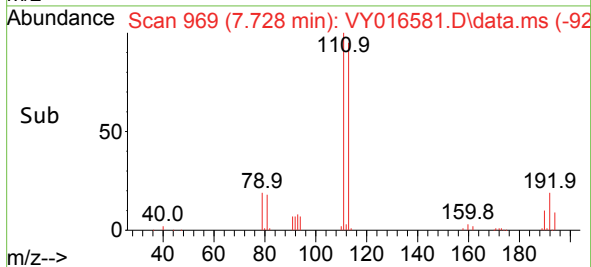
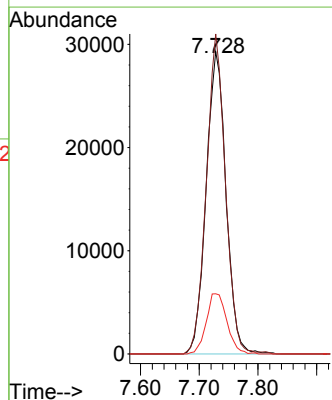
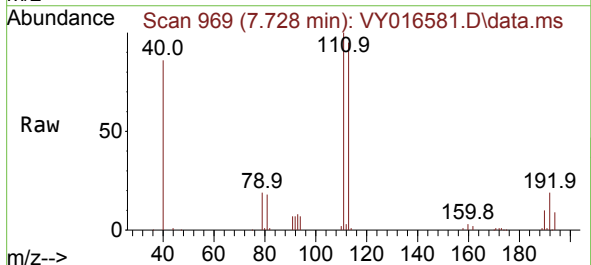
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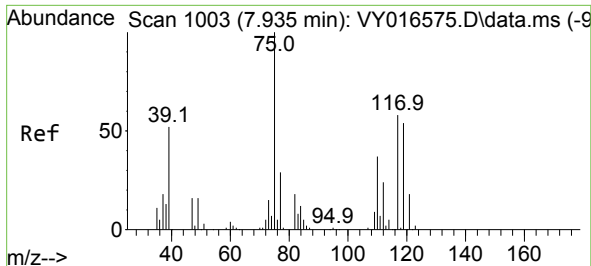
Tgt Ion:114 Resp: 239300
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.765 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion:113 Resp: 68787
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 20.7 16.9 25.3

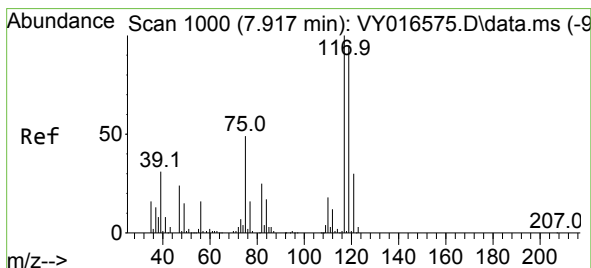
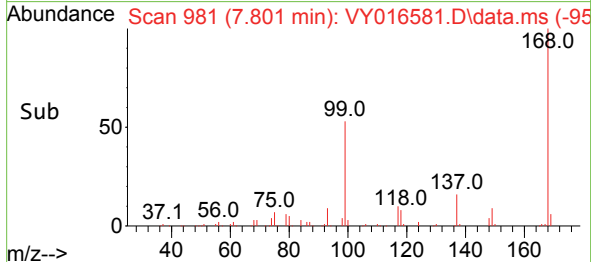
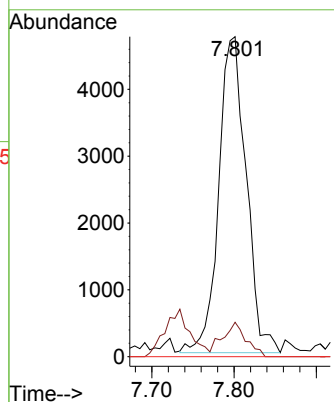
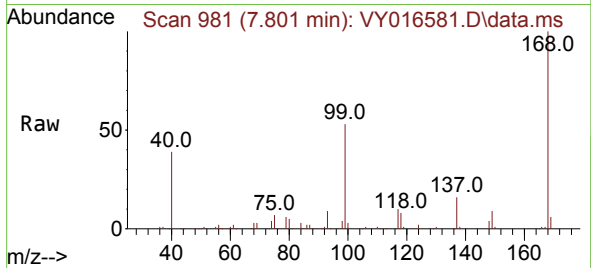




#36
1,1-Dichloropropene
Concen: 5.023 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

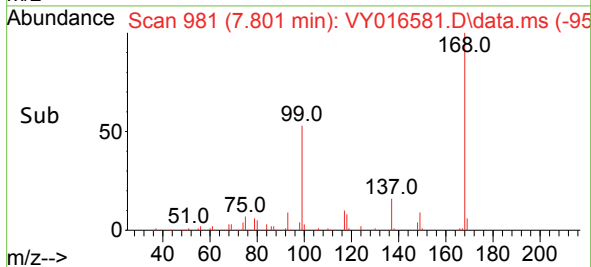
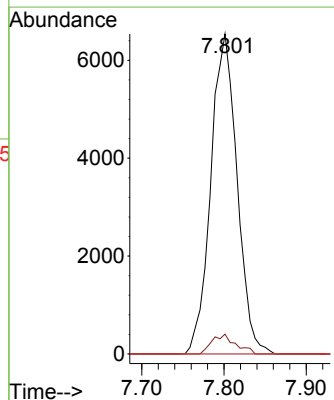
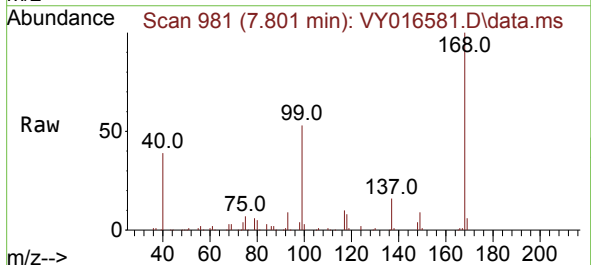
Instrument :
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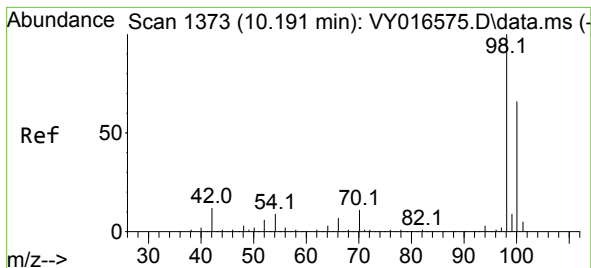
Tgt Ion: 75 Resp: 10997
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion: 117 Resp: 14538
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.679 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016581.D

Acq: 04 Dec 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

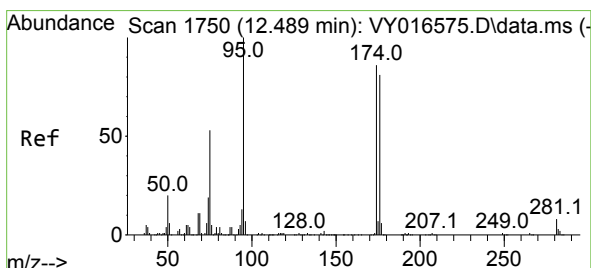
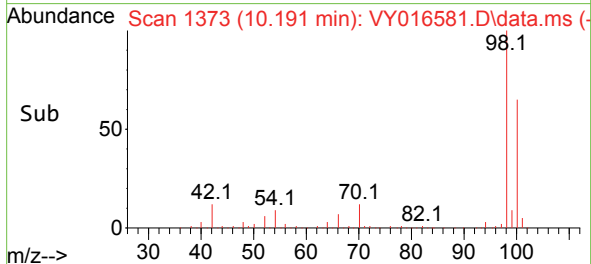
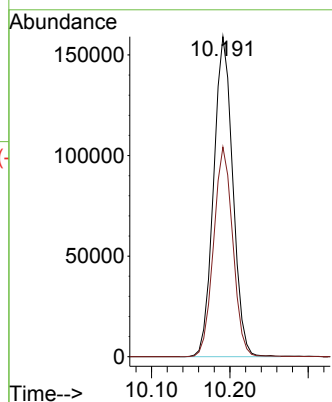
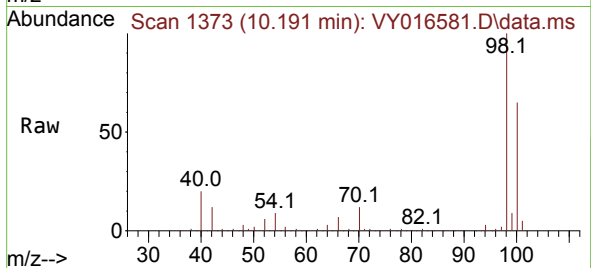
VY1204SBL01

Tgt Ion: 98 Resp: 270618

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 44.826 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016581.D

Acq: 04 Dec 2023 16:57

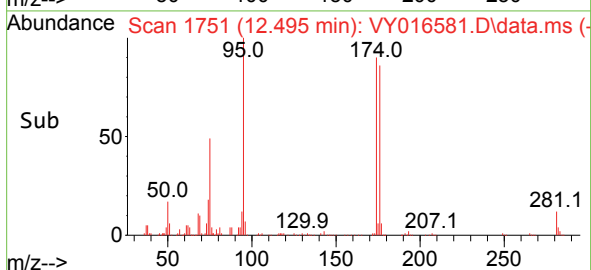
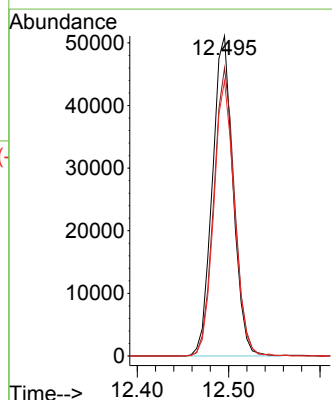
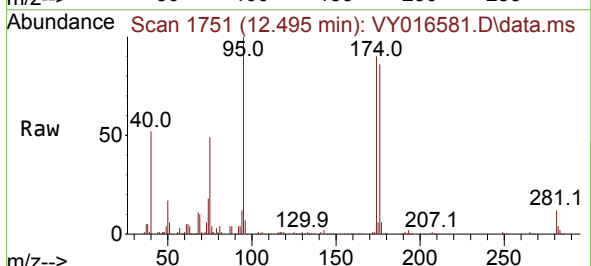
Tgt Ion: 95 Resp: 80299

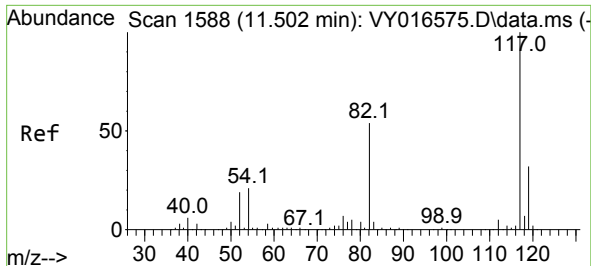
Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.2

176 86.3 0.0 173.8

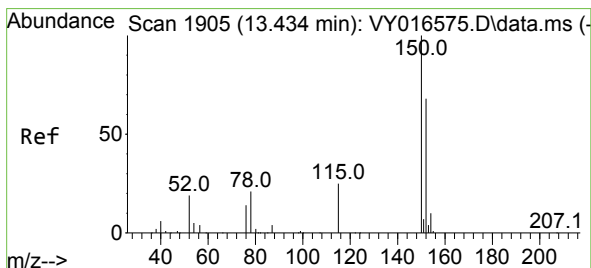
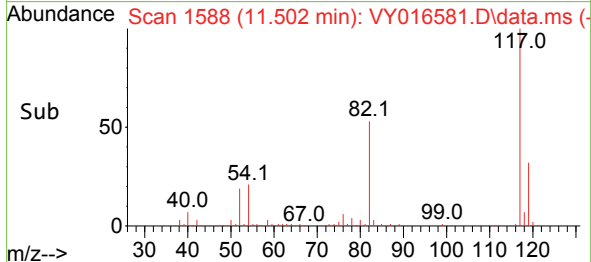
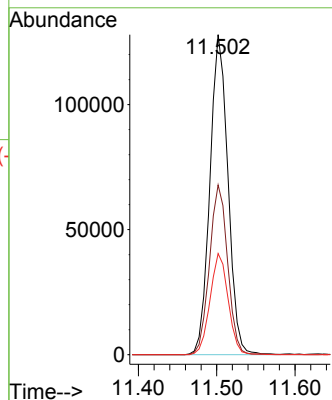
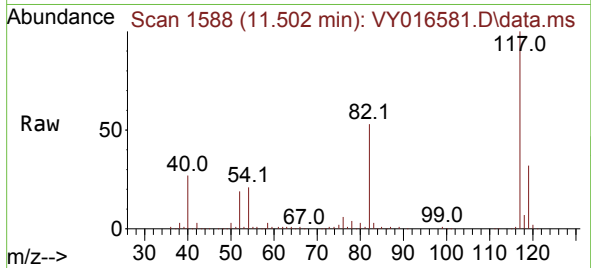




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

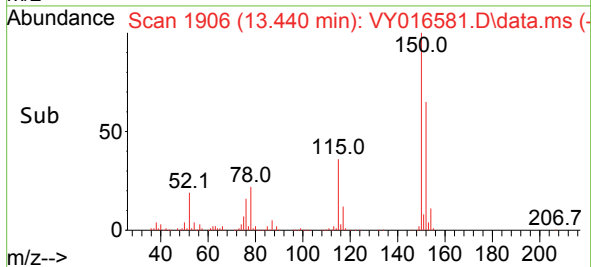
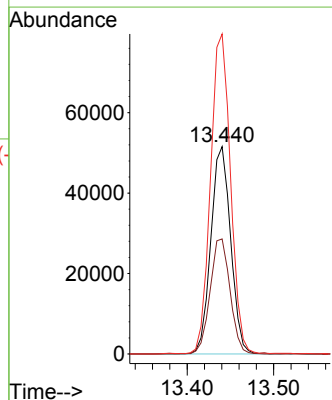
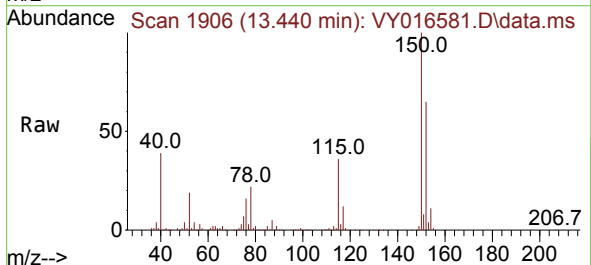
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

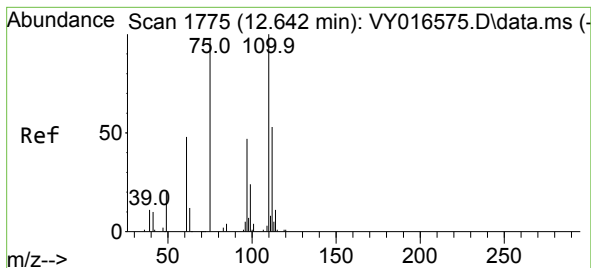
Tgt Ion:117 Resp: 204815
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Tgt Ion:152 Resp: 81912
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 155.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 56.668 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016581.D

Acq: 04 Dec 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

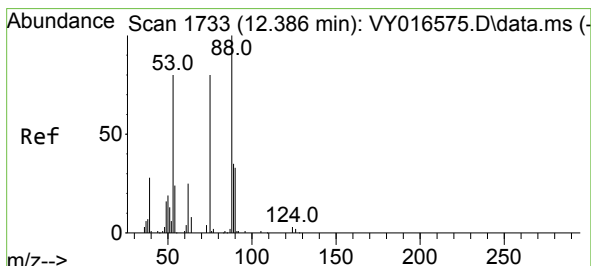
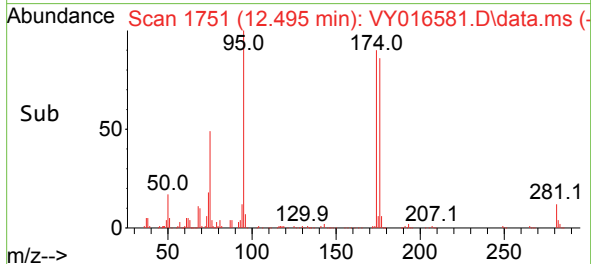
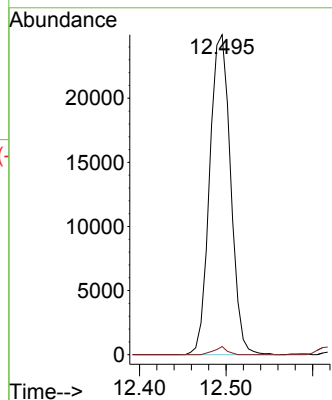
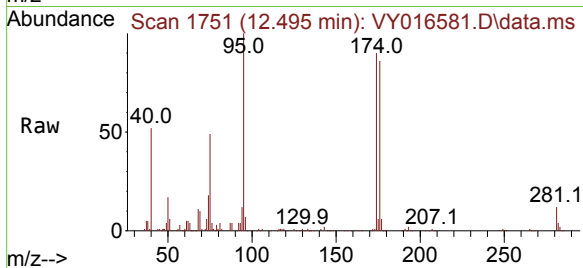
VY1204SBL01

Tgt Ion: 75 Resp: 41931

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.833 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY016581.D

Acq: 04 Dec 2023 16:57

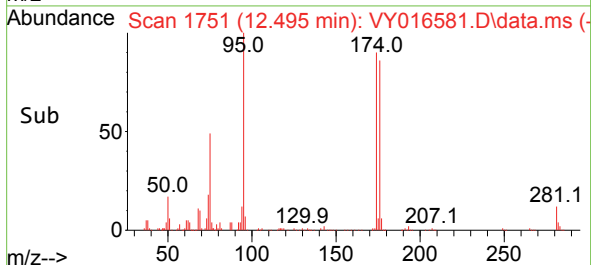
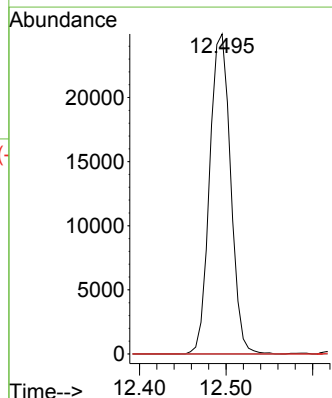
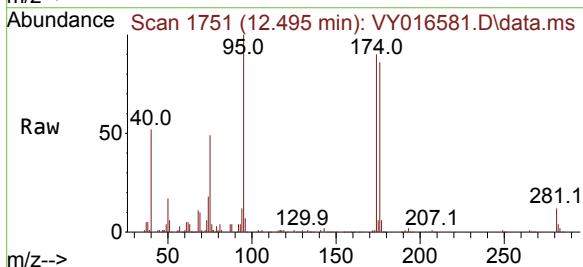
Tgt Ion: 75 Resp: 41931

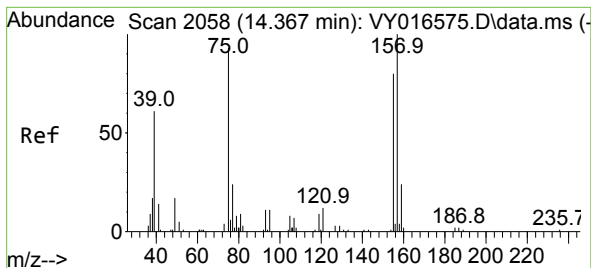
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

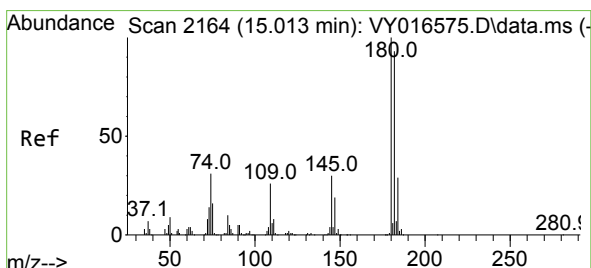
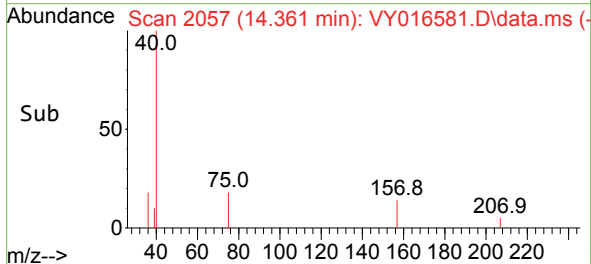
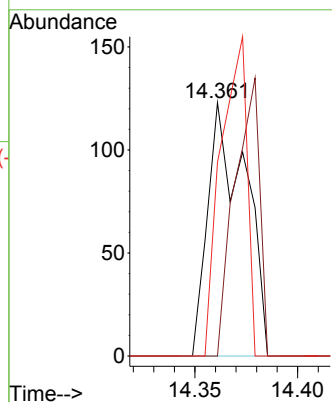
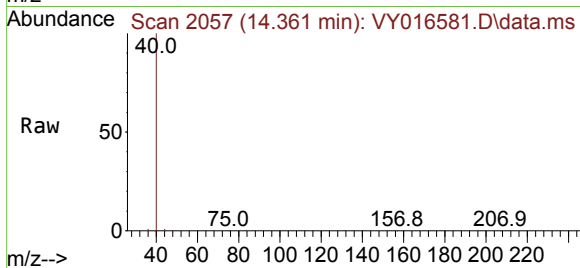




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.004 ug/l
 RT: 14.361 min Scan# 2058
 Delta R.T. -0.006 min
 Lab File: VY016581.D
 Acq: 04 Dec 2023 16:57

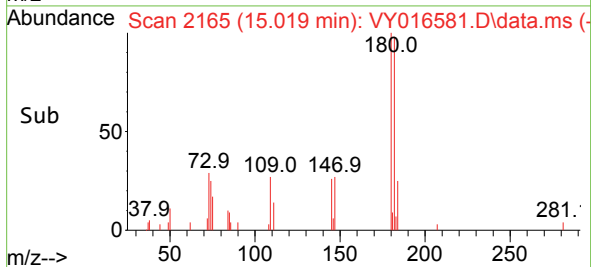
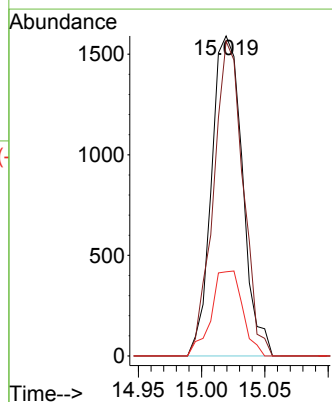
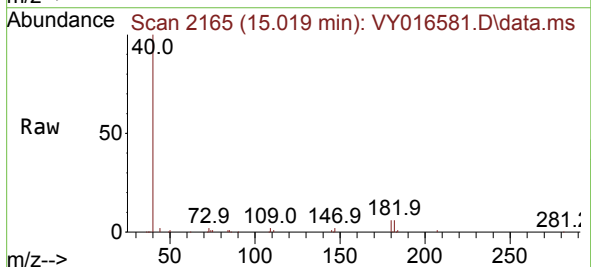
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBL01

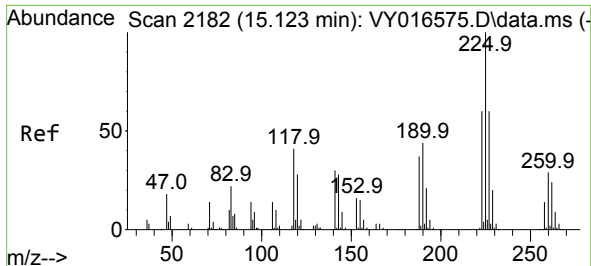
Tgt Ion: 75	Resp:	155
Ion	Ratio	Lower Upper
75	100	
155	72.9	41.5 124.6
157	88.4	51.8 155.5



#93
 1,2,4-Trichlorobenzene
 Concen: 2.045 ug/l
 RT: 15.019 min Scan# 2165
 Delta R.T. 0.006 min
 Lab File: VY016581.D
 Acq: 04 Dec 2023 16:57

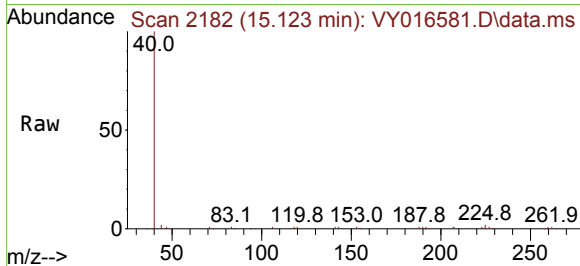
Tgt Ion: 180	Resp:	2704
Ion	Ratio	Lower Upper
180	100	
182	94.0	47.0 141.2
145	26.9	14.5 43.5



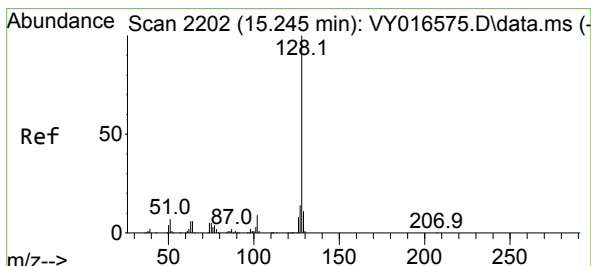
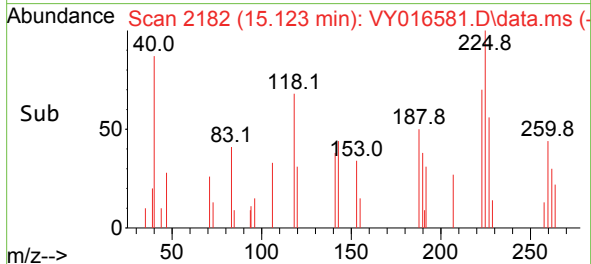
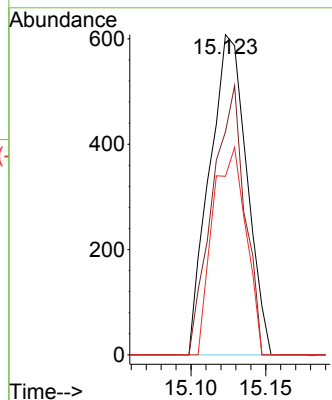


#94
Hexachlorobutadiene
Concen: 1.258 ug/l
RT: 15.123 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

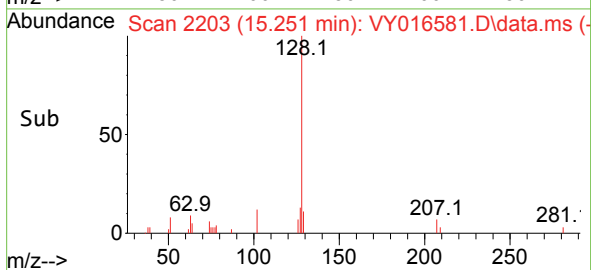
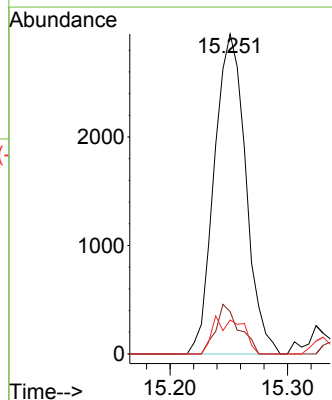
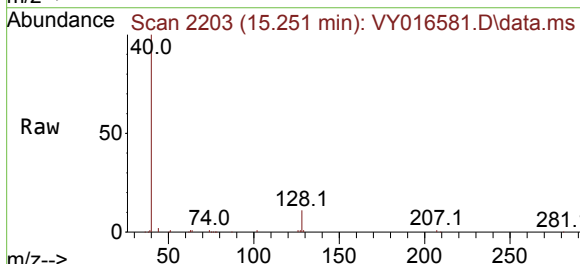


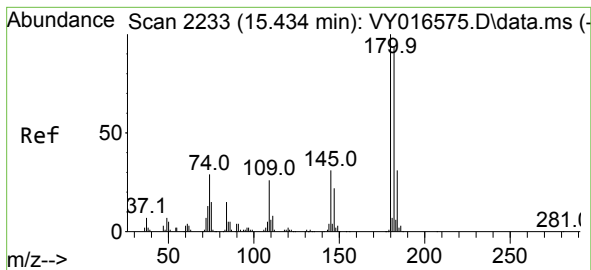
Tgt Ion:	225	Resp:	1051
Ion Ratio	Lower	Upper	
225	100		
223	73.3	31.9	95.9
227	57.8	33.0	98.9



#95
Naphthalene
Concen: 1.240 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016581.D
Acq: 04 Dec 2023 16:57

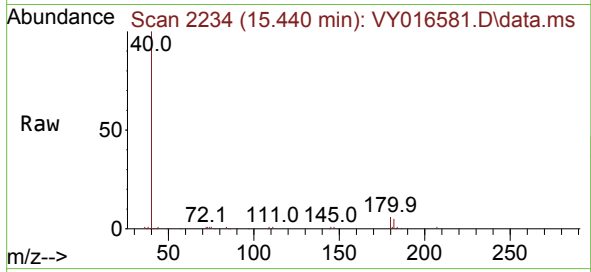
Tgt Ion:	128	Resp:	5486
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.8	16.2
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.545 ug/l
 RT: 15.440 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016581.D
 Acq: 04 Dec 2023 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.3	141.8
145	28.7	15.4	46.2

