

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016569.D
 Acq On : 01 Dec 2023 18:33
 Operator : SY/MD
 Sample : 05602-09
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 01 23:41:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

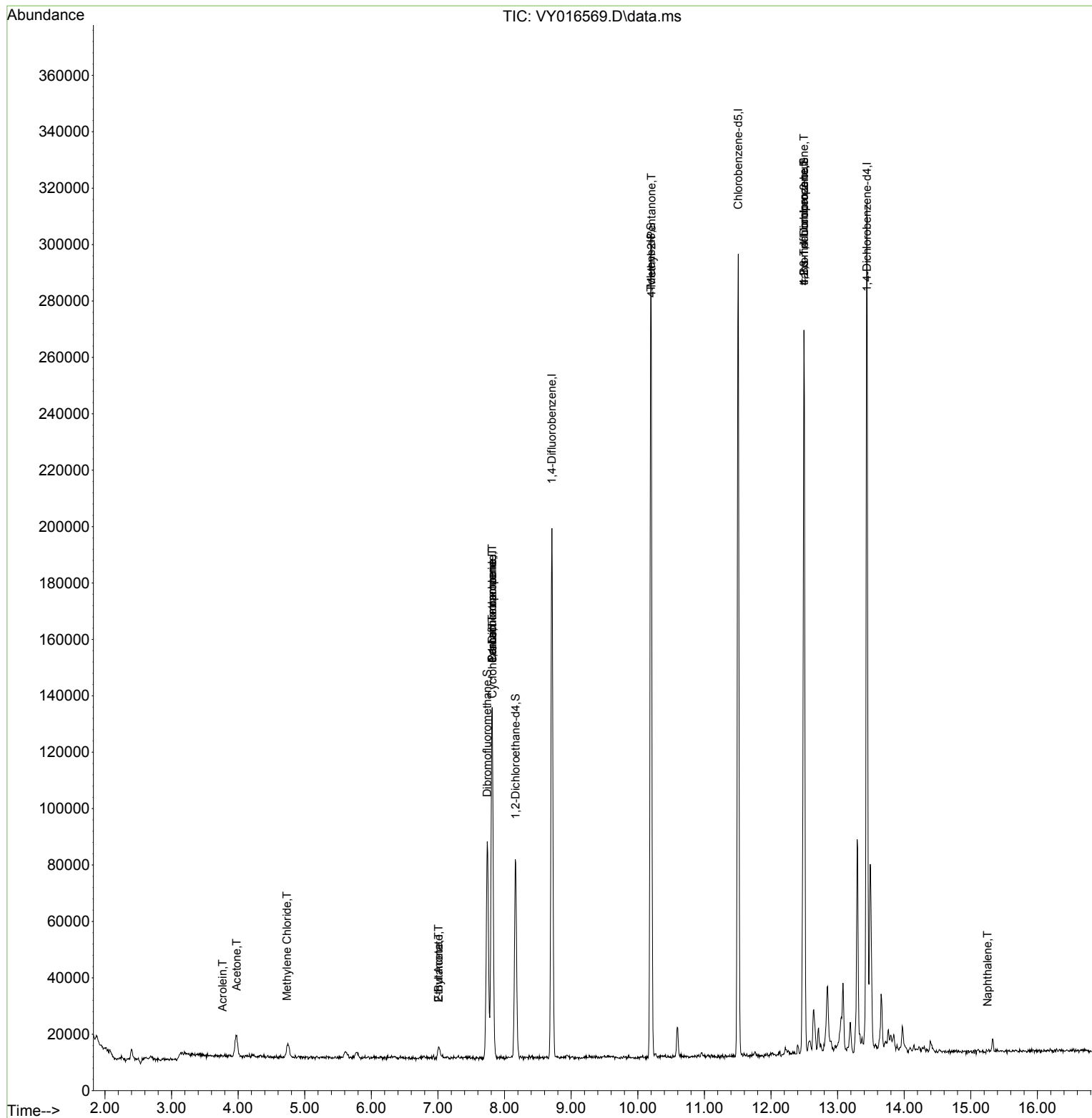
Internal Standards						
1) Pentafluorobenzene	7.813	168	106366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	176402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	172432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.441	152	84639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	57150	68.008	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.020%			
35) Dibromofluoromethane	7.740	113	55421	53.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.060%			
50) Toluene-d8	10.197	98	201543	50.191	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.496	95	75054	59.581	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.160%			
Target Compounds			Qvalue			
13) Acrolein	3.765	56	154	1.526	ug/l #	14
16) Acetone	3.979	43	13155	80.170	ug/l #	74
20) Methylene Chloride	4.735	84	4476	1.973	ug/l #	62
25) 2-Butanone	7.009	43	5720	25.229	ug/l #	86
31) Cyclohexane	7.820	56	1478	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	6360	4.160	ug/l #	53
37) Ethyl Acetate	7.009	43	5720	11.937	ug/l #	74
38) Carbon Tetrachloride	7.813	117	9885	5.509	ug/l #	17
51) 4-Methyl-2-Pentanone	10.203	43	645	1.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.496	75	36584	51.480	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	36584	112.275	ug/l #	10
95) Naphthalene	15.251	128	426	5.076	ug/l #	69

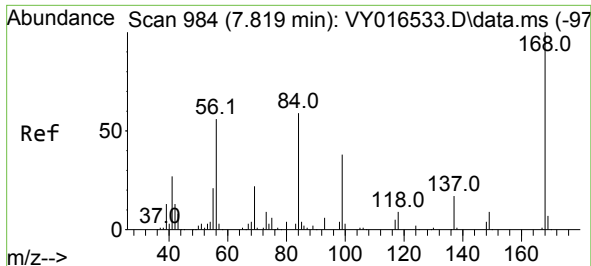
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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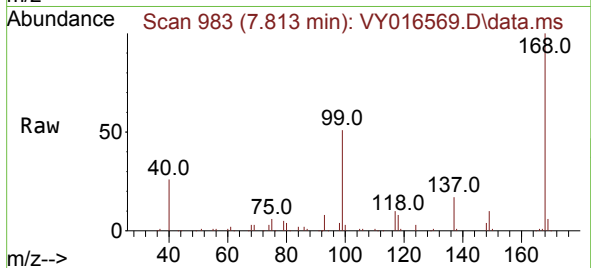
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Quant Title : SW846 8260
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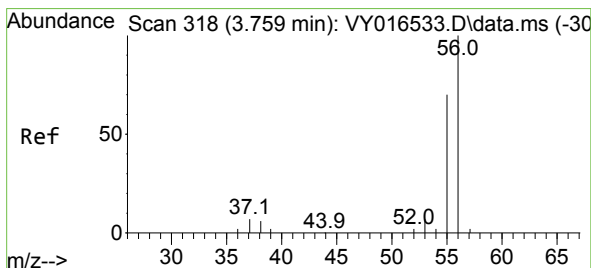
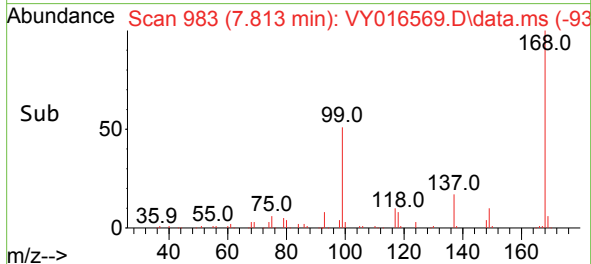
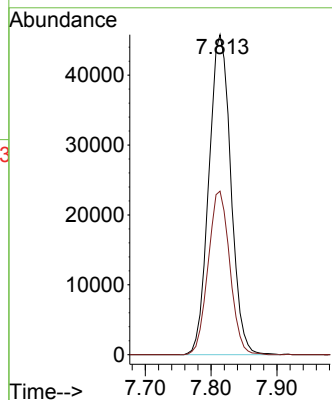


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :

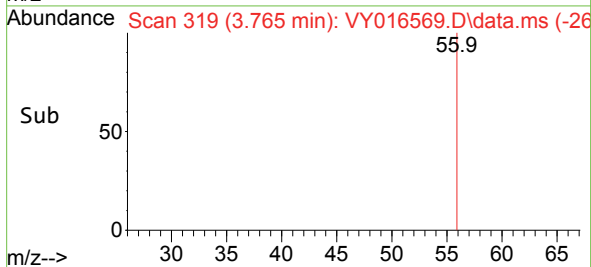
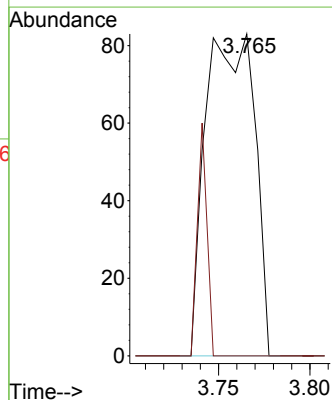
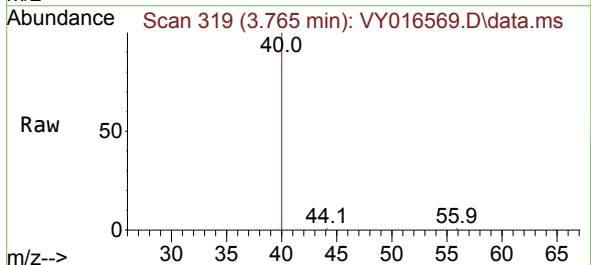


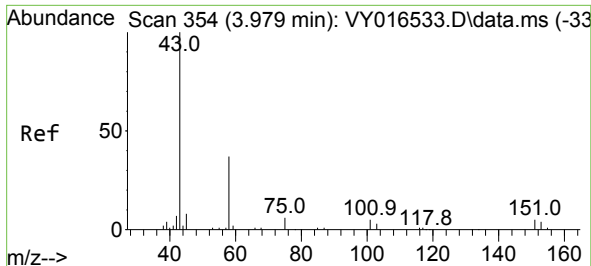
Tgt Ion:168 Resp: 106366
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#13
Acrolein
Concen: 1.526 ug/l
RT: 3.765 min Scan# 319
Delta R.T. 0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

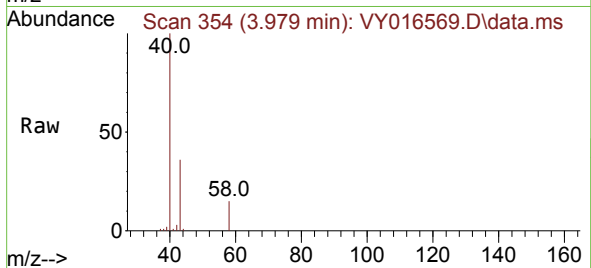
Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



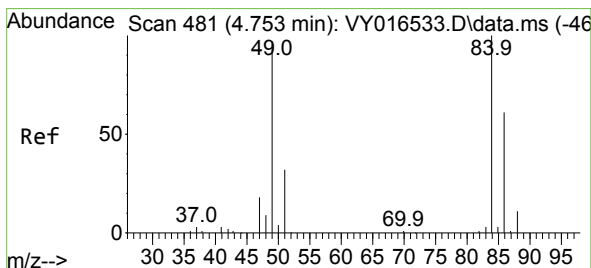
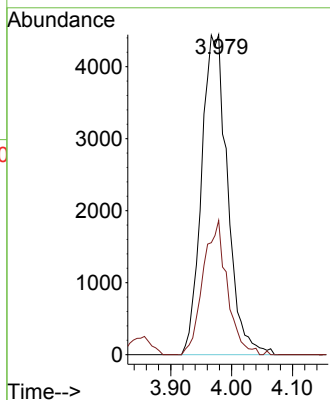
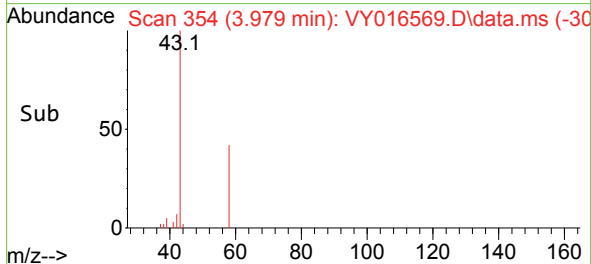


#16
Acetone
Concen: 80.170 ug/l
RT: 3.979 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :

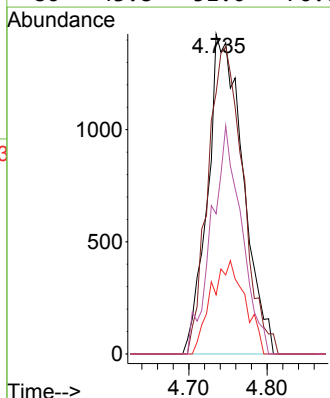
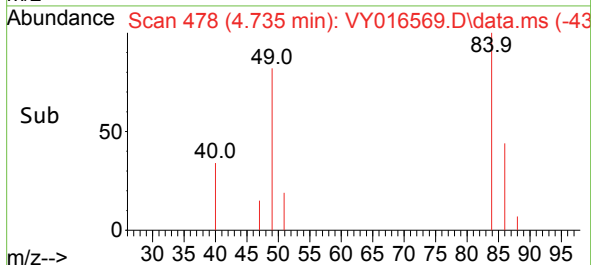
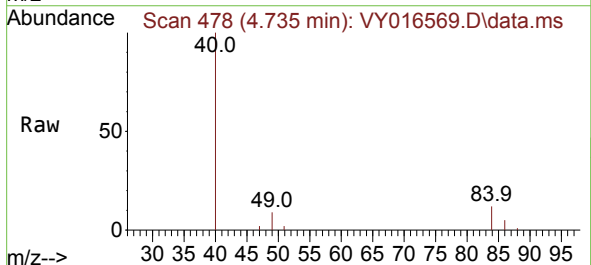


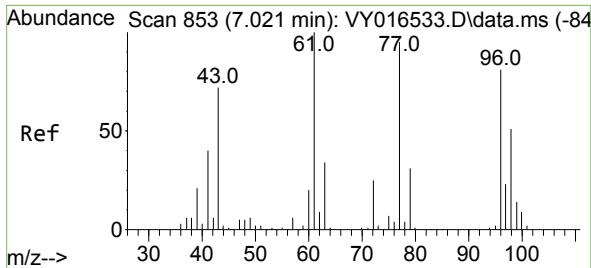
Tgt Ion: 43 Resp: 13155
Ion Ratio Lower Upper
43 100
58 41.9 22.7 34.1#



#20
Methylene Chloride
Concen: 1.973 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.018 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

Tgt Ion: 84 Resp: 4476
Ion Ratio Lower Upper
84 100
49 81.6 106.9 160.3#
51 18.5 33.2 49.8#
86 43.8 51.0 76.6#

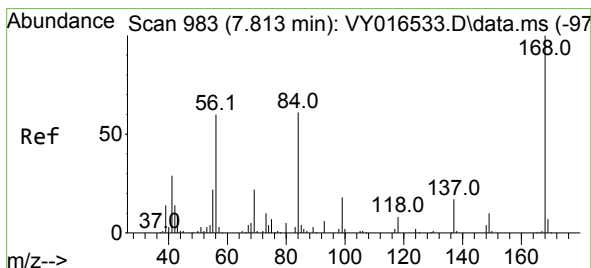
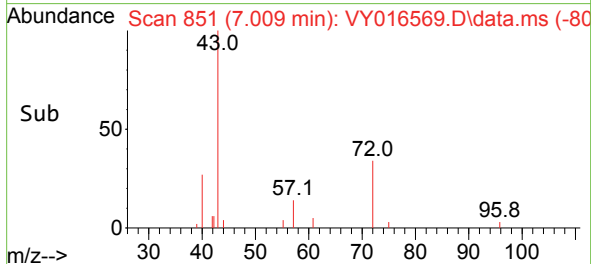
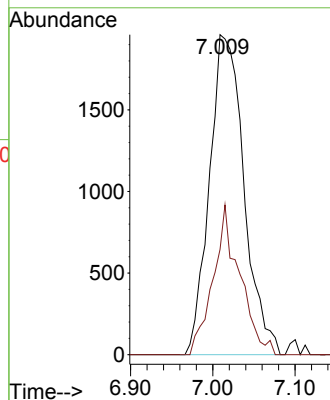
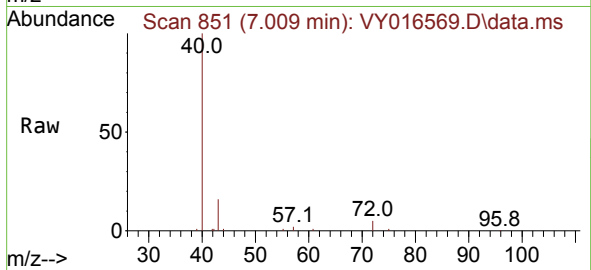




#25
2-Butanone
Concen: 25.229 ug/l
RT: 7.009 min Scan# 81
Delta R.T. -0.012 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

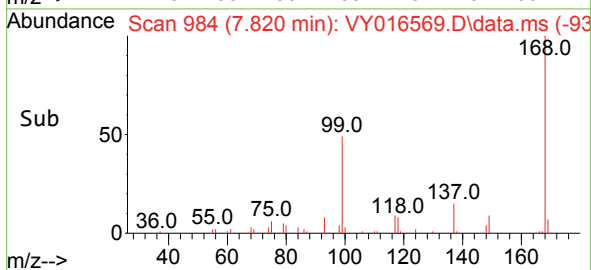
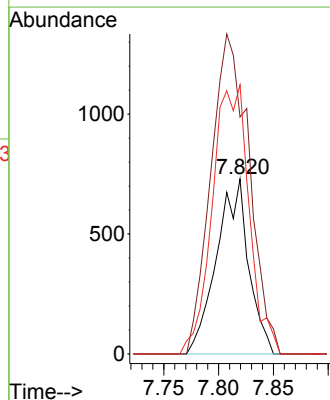
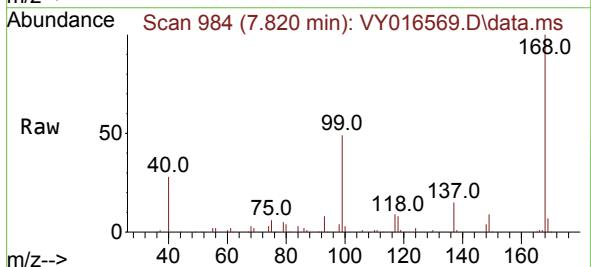
Instrument :
MSVOA_Y
ClientSampleId :

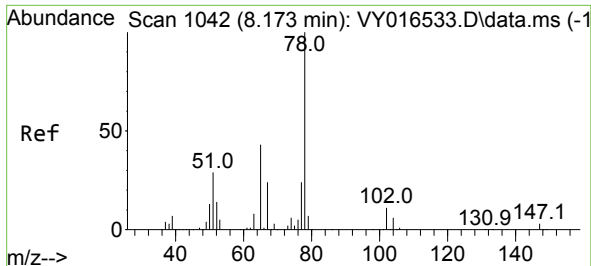
Tgt Ion: 43 Resp: 5720
Ion Ratio Lower Upper
43 100
72 32.9 20.5 30.7#



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.820 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

Tgt Ion: 56 Resp: 1478
Ion Ratio Lower Upper
56 100
69 135.3 27.8 41.6#
84 153.7 66.4 99.6#

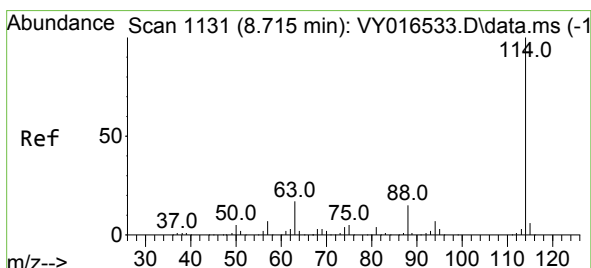
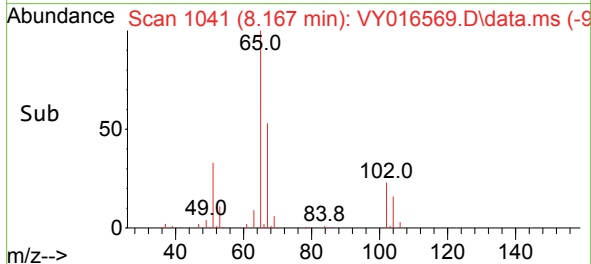
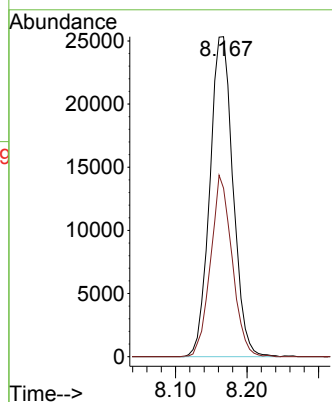
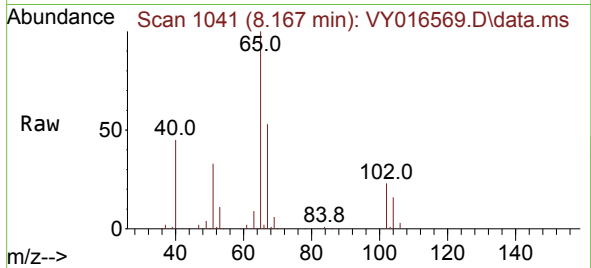




#33
 1,2-Dichloroethane-d4
 Concen: 68.008 ug/l
 RT: 8.167 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY016569.D
 Acq: 01 Dec 2023 18:33

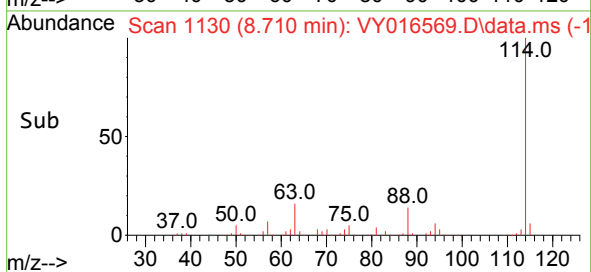
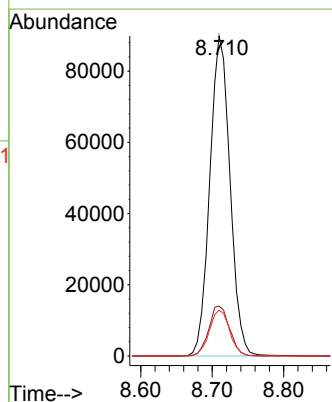
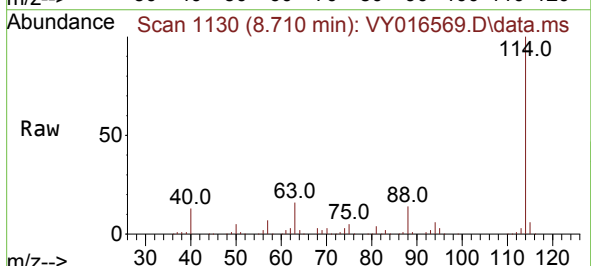
Instrument :
 MSVOA_Y
 ClientSampleId :

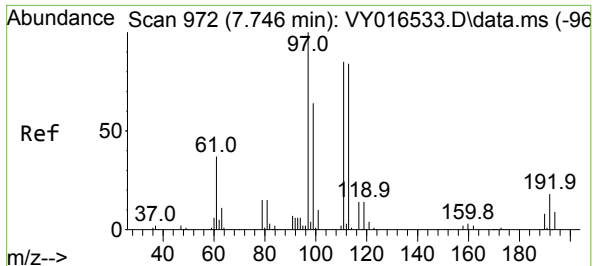
Tgt Ion: 65 Resp: 57150
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.710 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY016569.D
 Acq: 01 Dec 2023 18:33

Tgt Ion: 114 Resp: 176402
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 42.4
 88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.530 ug/l

RT: 7.740 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY016569.D

Acq: 01 Dec 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

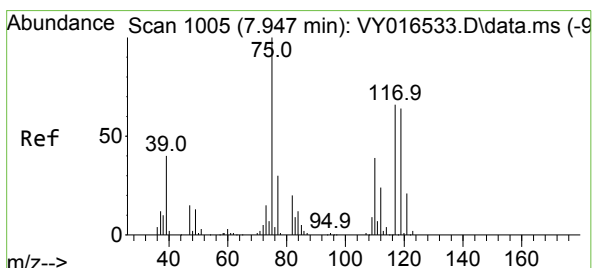
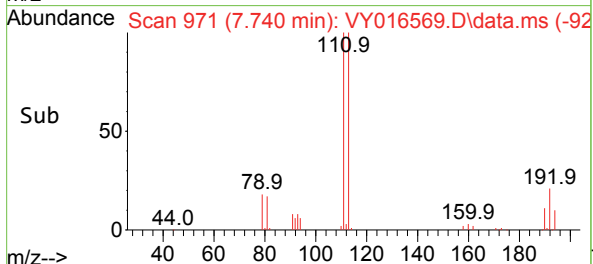
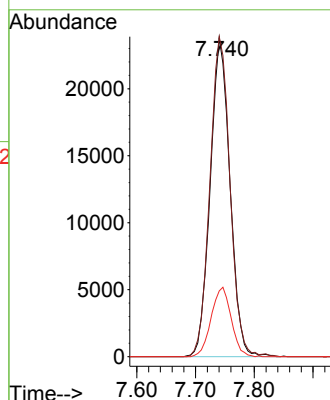
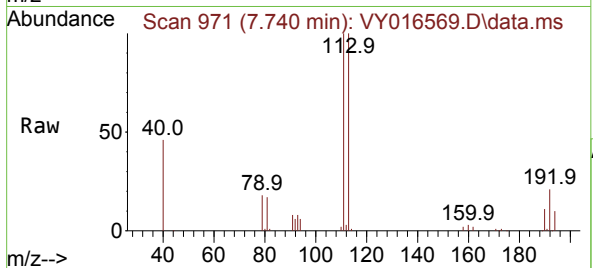
Tgt Ion:113 Resp: 55421

Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 22.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.160 ug/l

RT: 7.813 min Scan# 983

Delta R.T. -0.134 min

Lab File: VY016569.D

Acq: 01 Dec 2023 18:33

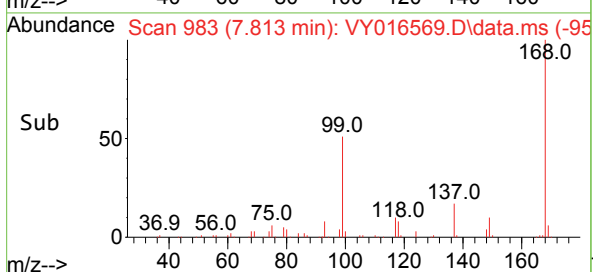
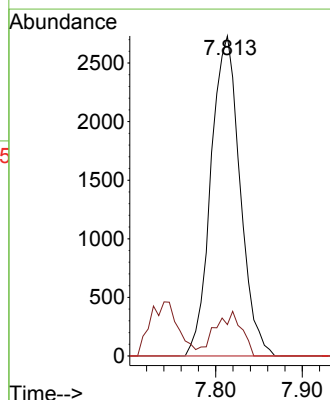
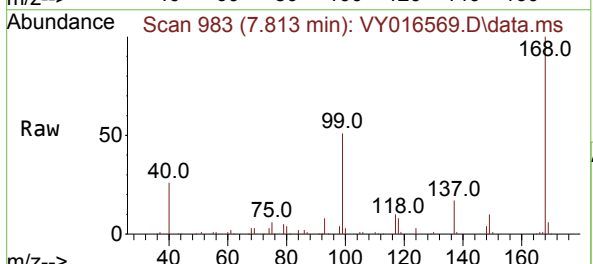
Tgt Ion: 75 Resp: 6360

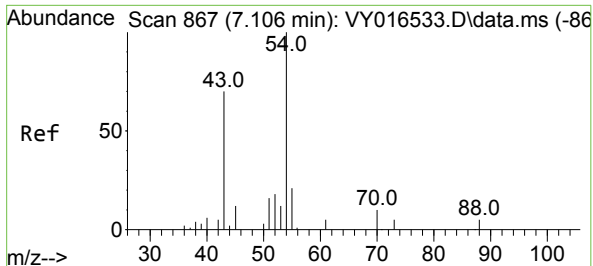
Ion Ratio Lower Upper

75 100

110 12.8 17.8 53.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 11.937 ug/l

RT: 7.009 min Scan# 81

Delta R.T. -0.097 min

Lab File: VY016569.D

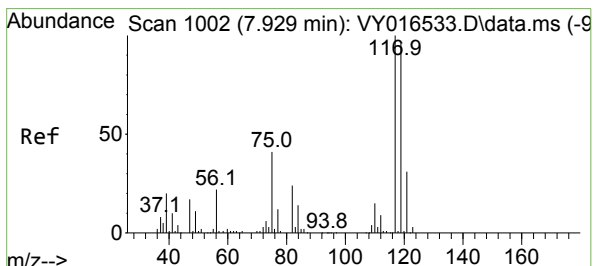
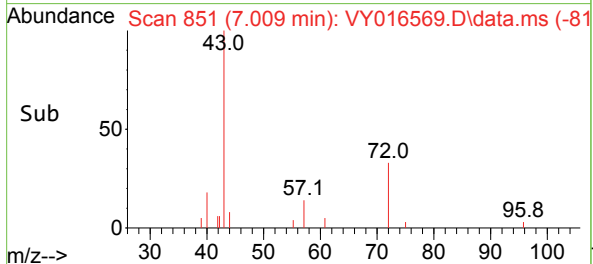
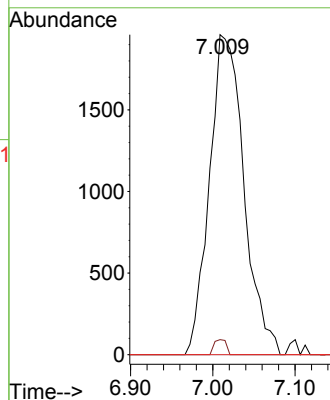
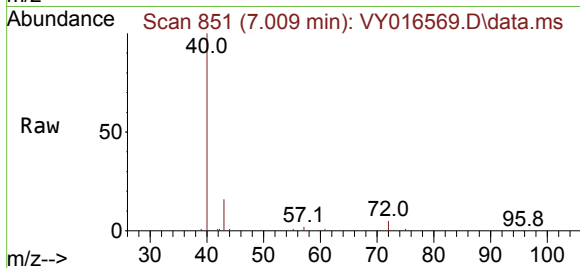
Acq: 01 Dec 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	5720
Ion	Ratio	Lower	Upper
43	100		
61	1.7	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

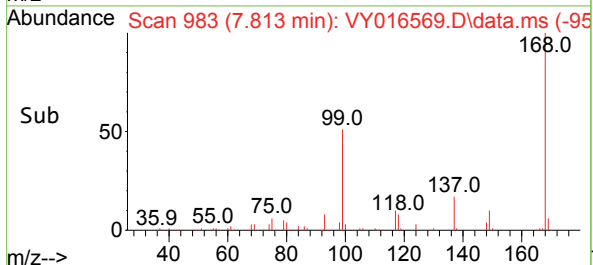
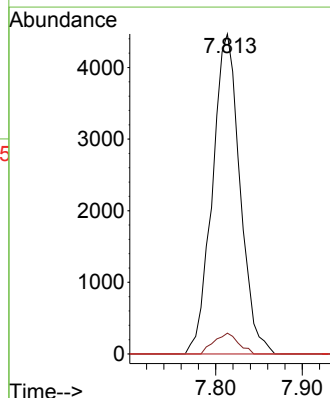
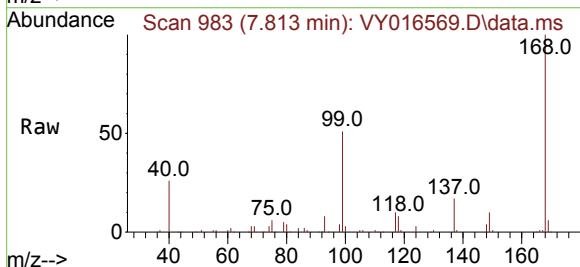
RT: 7.813 min Scan# 983

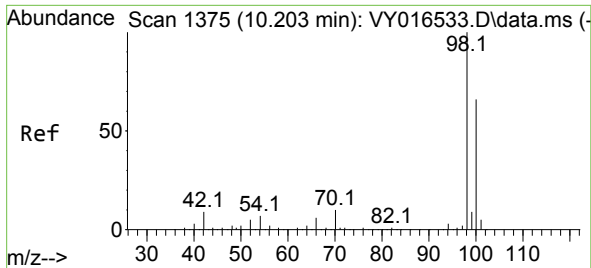
Delta R.T. -0.116 min

Lab File: VY016569.D

Acq: 01 Dec 2023 18:33

Tgt Ion:	117	Resp:	9885
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.4	114.6#
121	0.0	25.8	38.6#

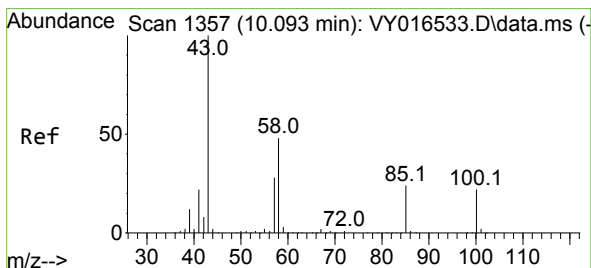
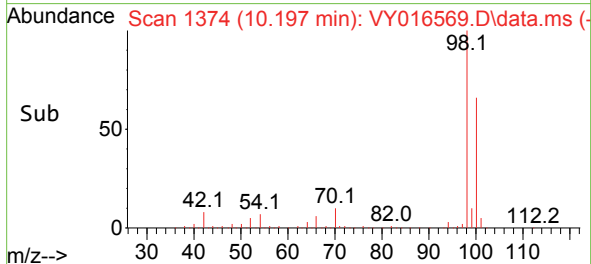
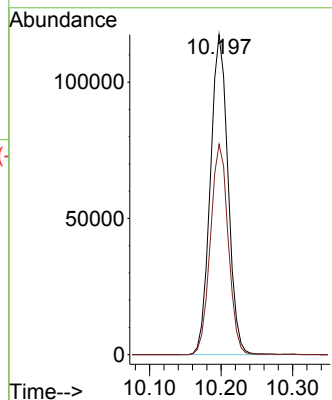
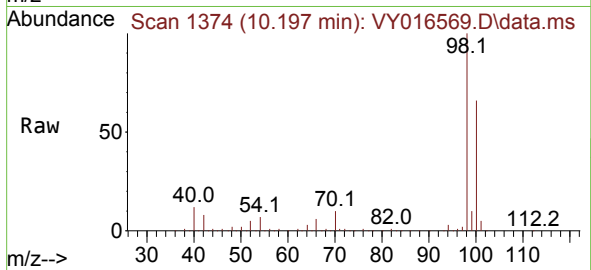




#50
Toluene-d8
Concen: 50.191 ug/l
RT: 10.197 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

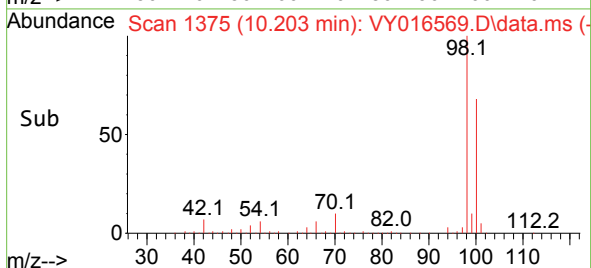
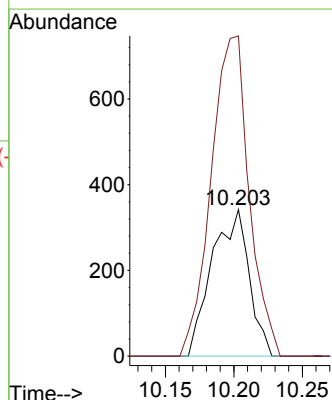
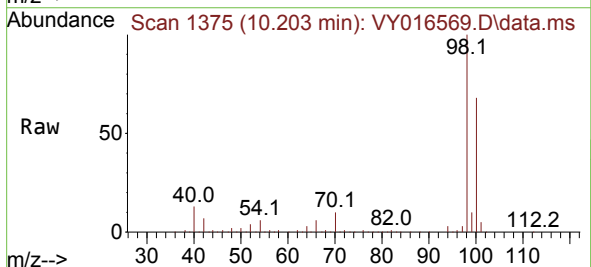
Instrument :
MSVOA_Y
ClientSampleId :

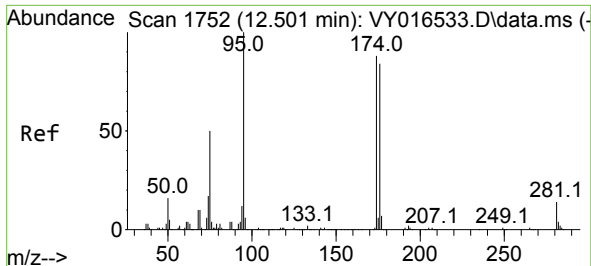
Tgt Ion: 98 Resp: 201543
Ion Ratio Lower Upper
98 100
100 66.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.312 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

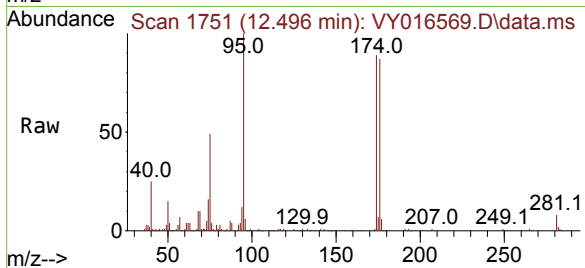
Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
58 223.6 29.0 43.6#



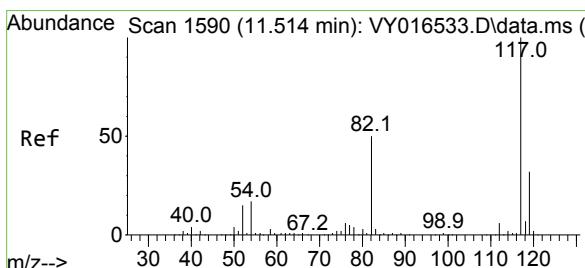
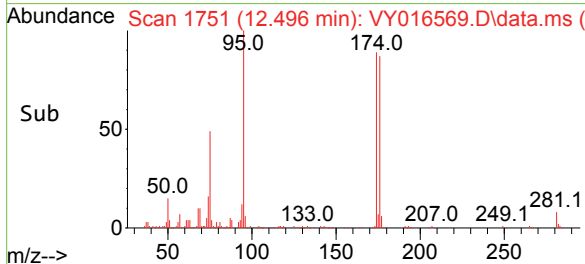
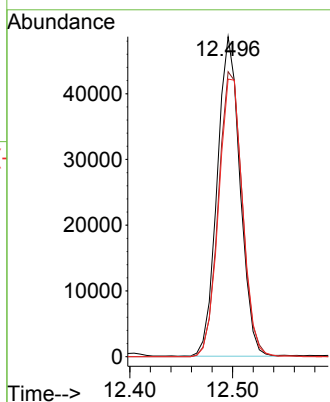


#62
4-Bromofluorobenzene
Concen: 59.581 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :

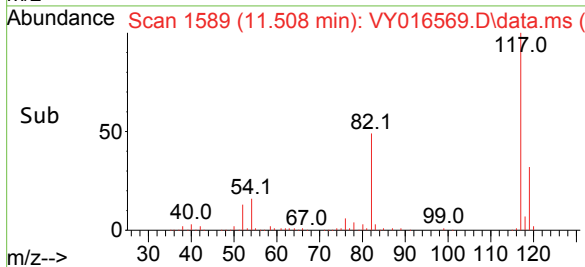
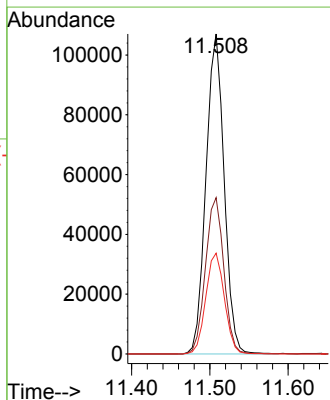
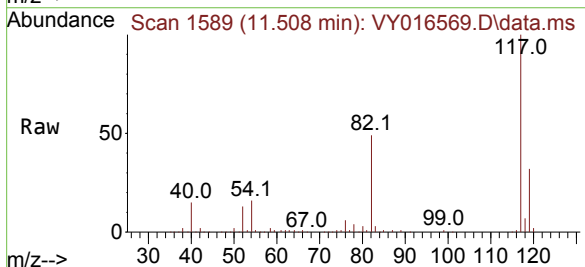


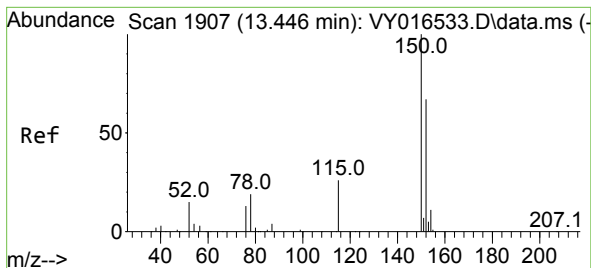
Tgt Ion: 95 Resp: 75054
Ion Ratio Lower Upper
95 100
174 92.9 0.0 178.2
176 91.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. -0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

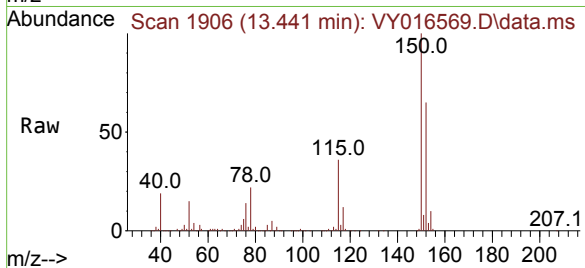
Tgt Ion: 117 Resp: 172432
Ion Ratio Lower Upper
117 100
82 48.9 43.4 65.0
119 31.5 26.3 39.5



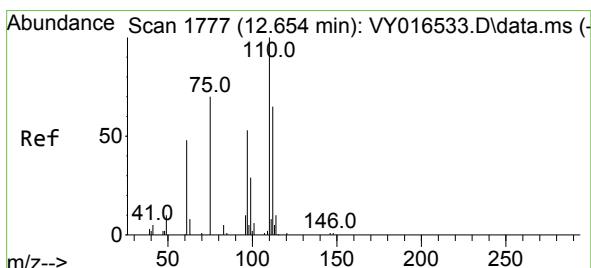
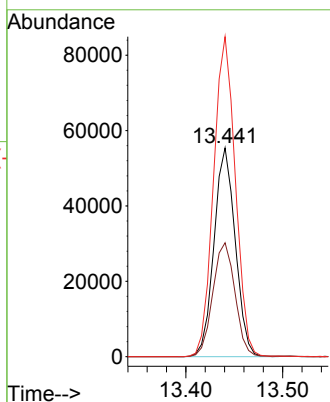
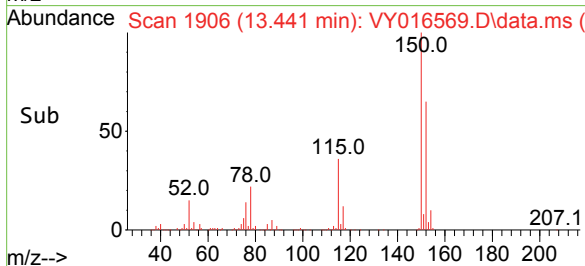


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.441 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY016569.D
 Acq: 01 Dec 2023 18:33

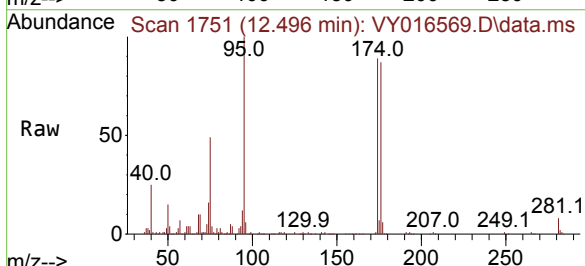
Instrument :
 MSVOA_Y
 ClientSampleId :



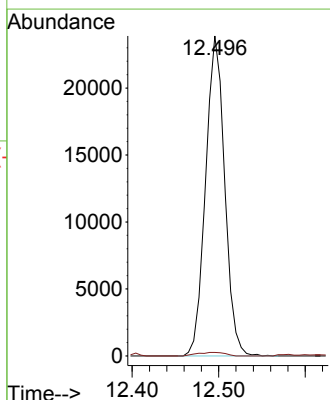
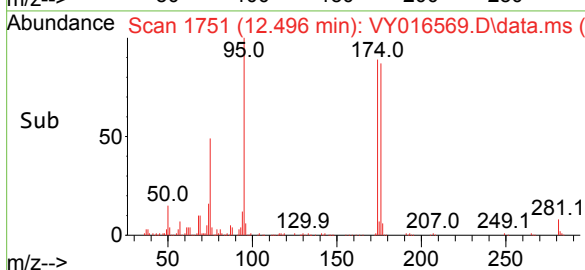
Tgt Ion:152 Resp: 84639
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.8 86.5
 150 157.1 0.0 348.8

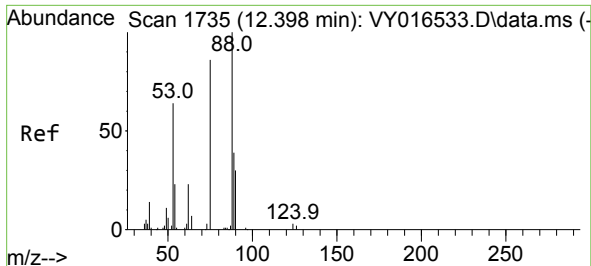


#76
 1,2,3-Trichloropropane
 Concen: 51.480 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. -0.158 min
 Lab File: VY016569.D
 Acq: 01 Dec 2023 18:33



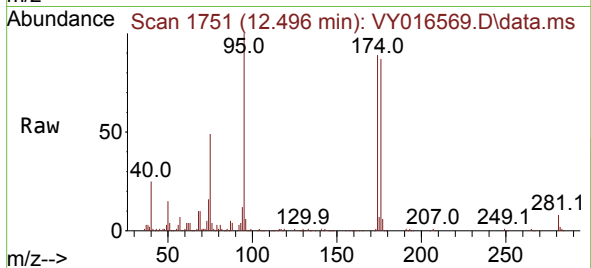
Tgt Ion: 75 Resp: 36584
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



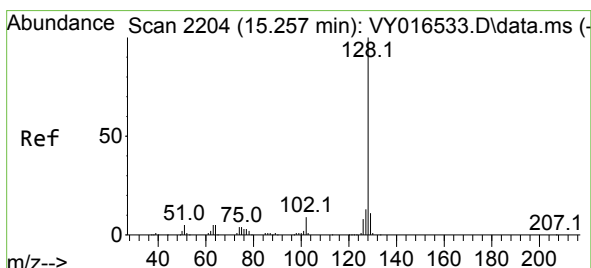
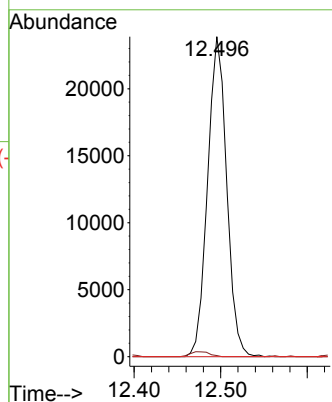
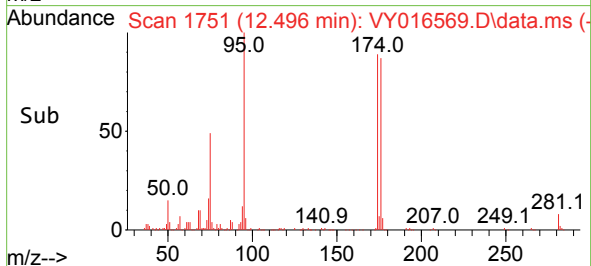


#81
trans-1,4-Dichloro-2-butene
Concen: 112.275 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.098 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33

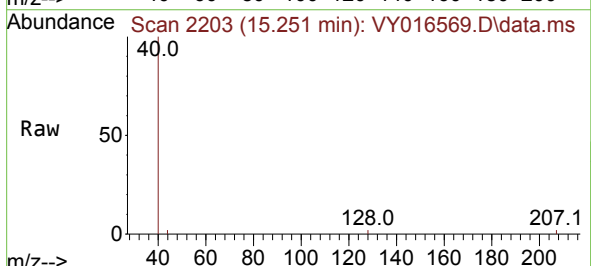
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 36584
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 5.076 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. -0.006 min
Lab File: VY016569.D
Acq: 01 Dec 2023 18:33



Tgt Ion: 128 Resp: 426
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

