

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016359.D
 Acq On : 15 Nov 2023 12:27
 Operator : SY/MD
 Sample : 05408-03
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 00:02:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

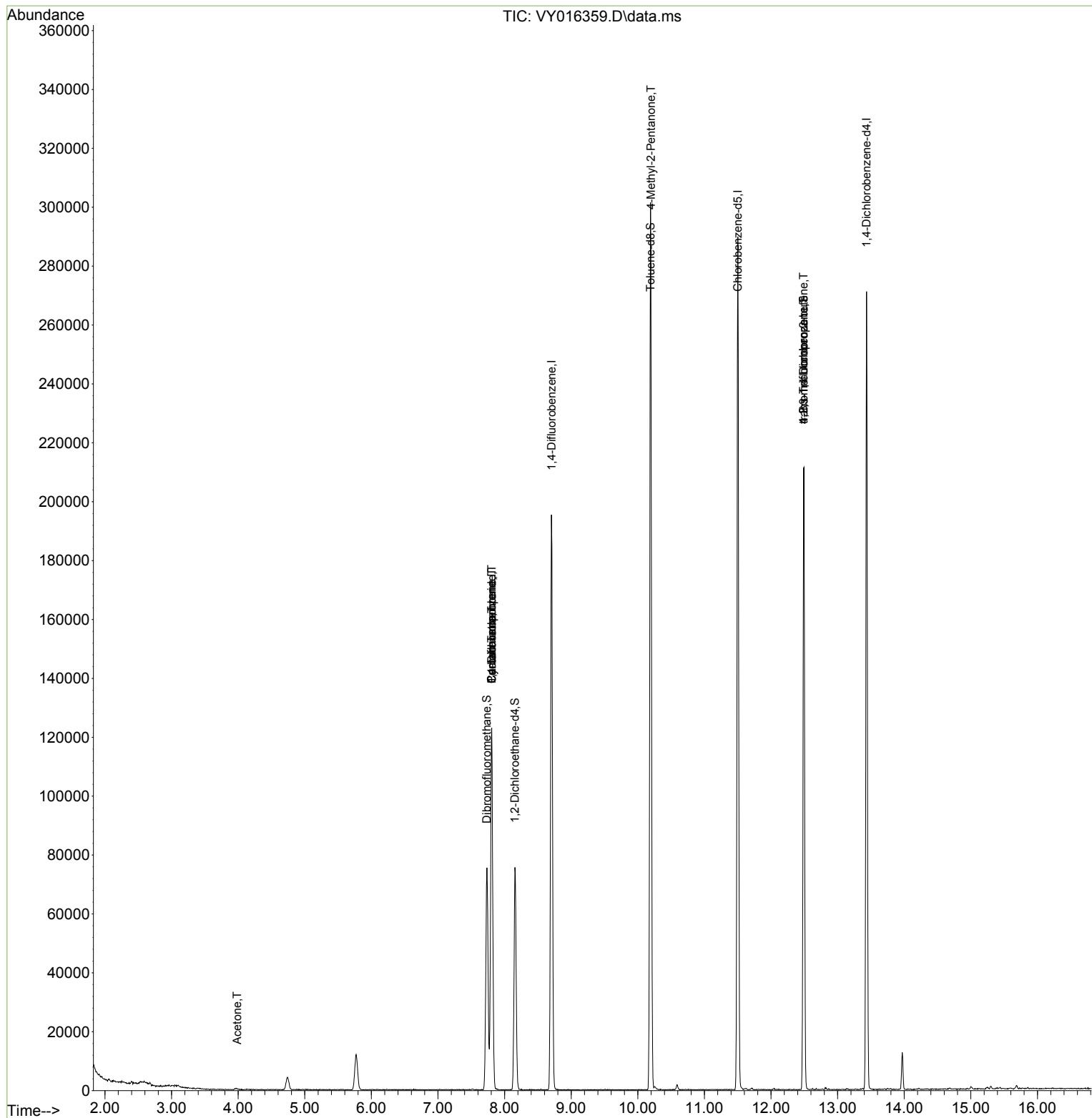
Internal Standards						
1) Pentafluorobenzene	7.807	168	96484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	172790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	162478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	71635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	59266	67.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.420%
35) Dibromofluoromethane	7.734	113	54535	55.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.120%
50) Toluene-d8	10.191	98	204711	51.430	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.489	95	67069	51.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.760%
Target Compounds						Qvalue
16) Acetone	3.985	43	824	5.649	ug/l #	88
20) Methylene Chloride	4.741	84	3361	Below Cal		92
31) Cyclohexane	7.807	56	1926	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	7135	4.186	ug/l #	50
38) Carbon Tetrachloride	7.807	117	9568	5.409	ug/l #	16
51) 4-Methyl-2-Pentanone	10.197	43	767	1.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	34398	50.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34398	108.651	ug/l #	11

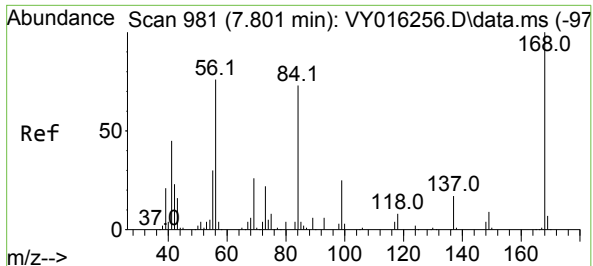
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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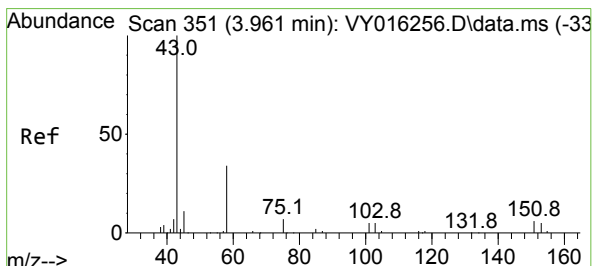
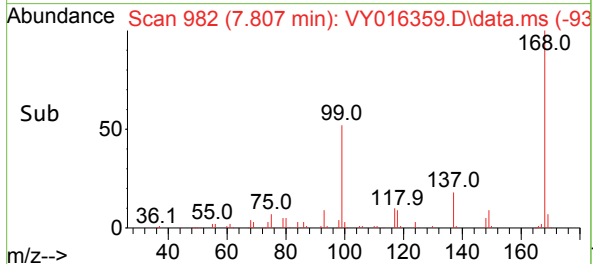
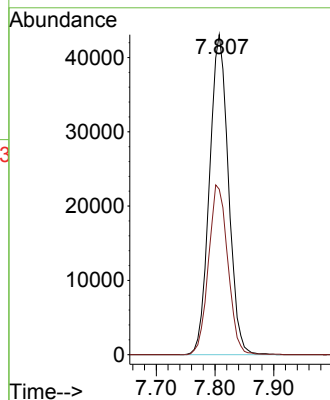
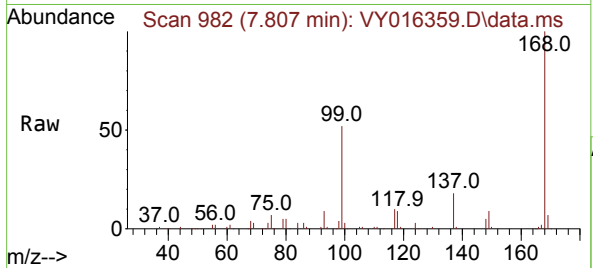




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

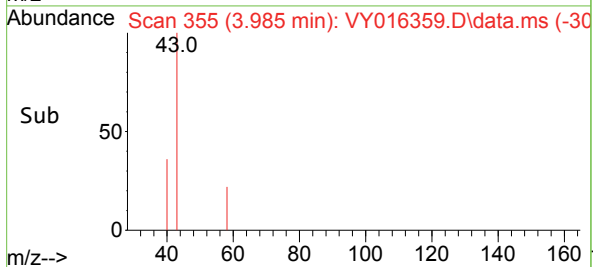
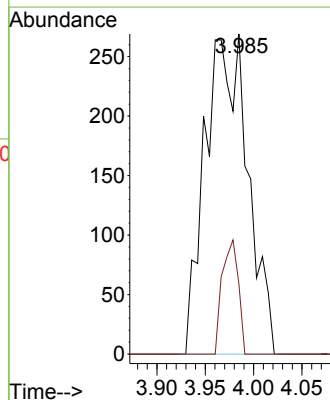
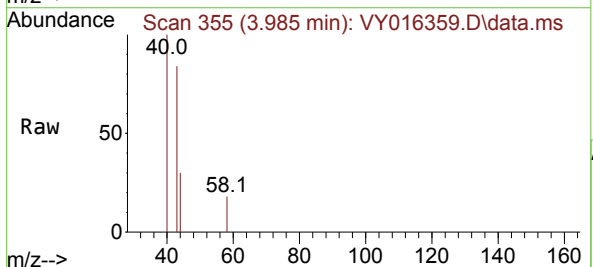
Instrument :
MSVOA_Y
ClientSampleId :

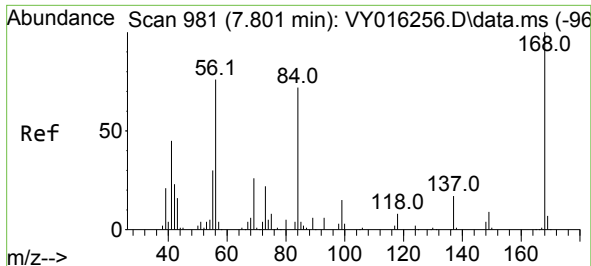
Tgt Ion:168 Resp: 96484
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#16
Acetone
Concen: 5.649 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.024 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 21.9 22.7 34.1#

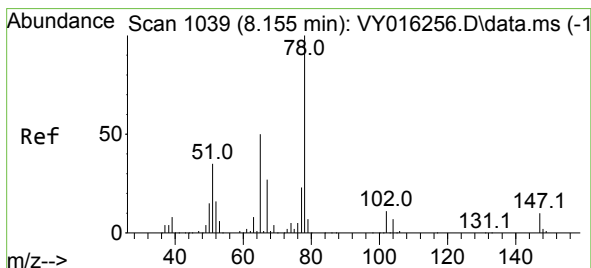
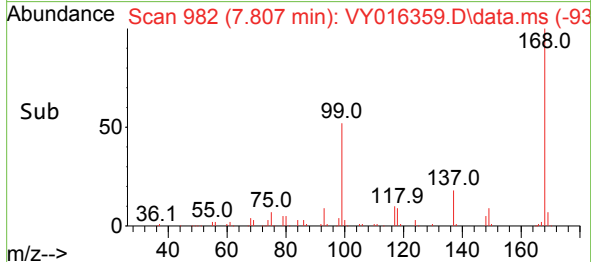
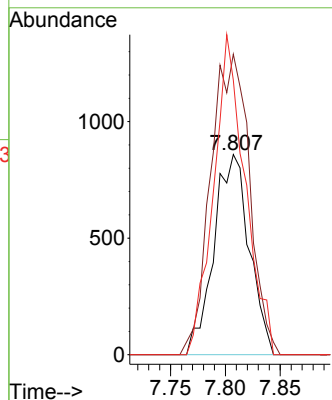
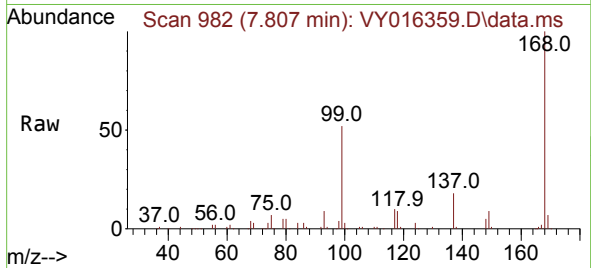




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

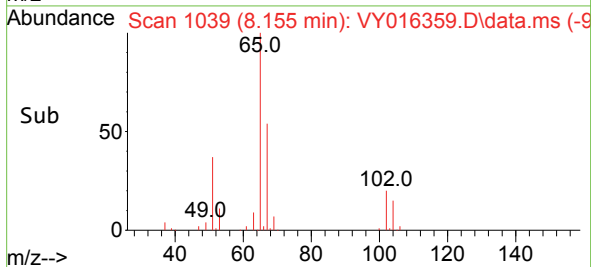
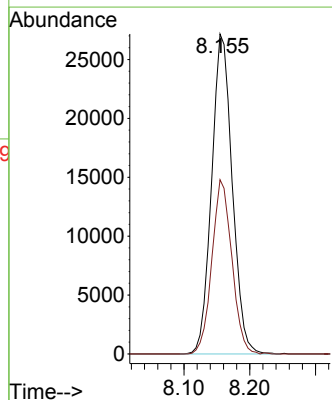
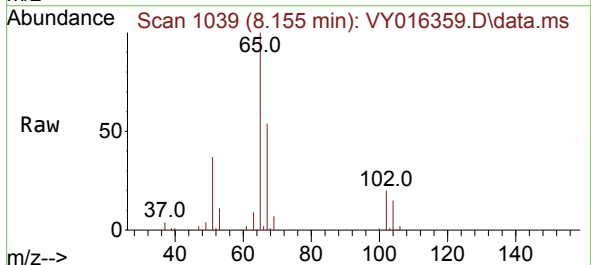
Instrument :
MSVOA_Y
ClientSampleId :

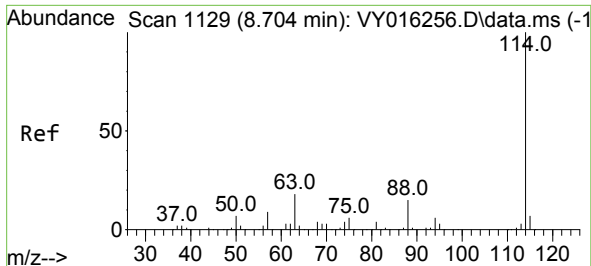
Tgt Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 150.1 27.8 41.6#
84 137.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.208 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

Tgt Ion: 65 Resp: 59266
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8

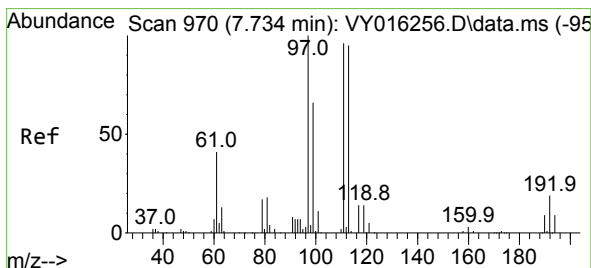
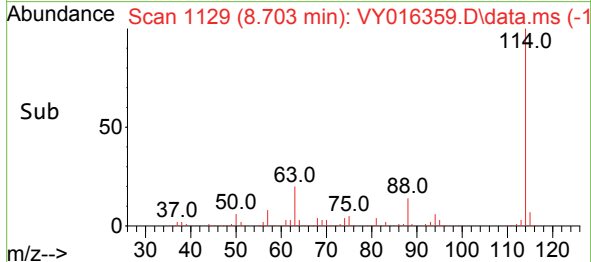
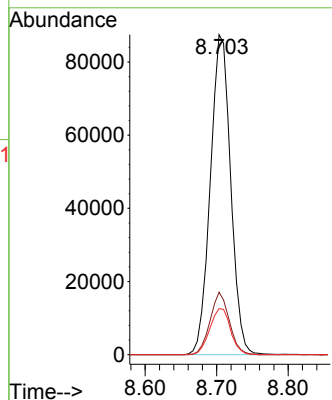
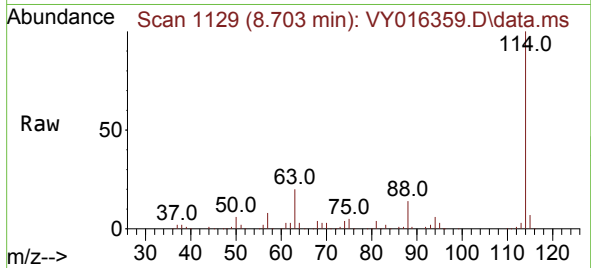




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

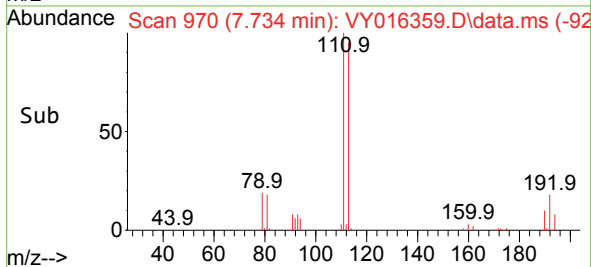
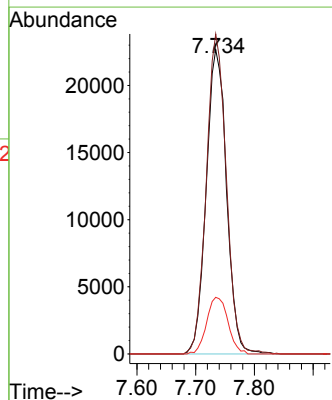
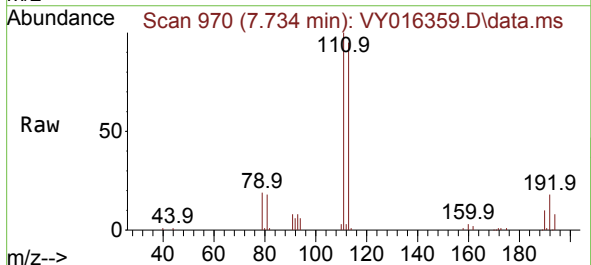
Instrument :
MSVOA_Y
ClientSampleId :

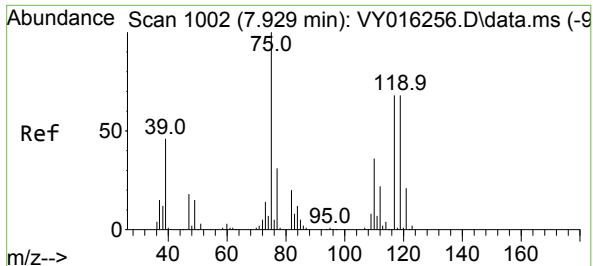
Tgt Ion:114 Resp: 172790
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.560 ug/l
RT: 7.734 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

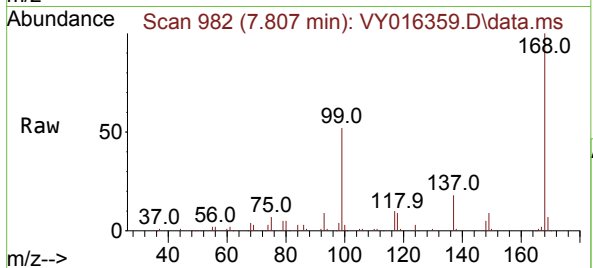
Tgt Ion:113 Resp: 54535
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.5 16.9 25.3



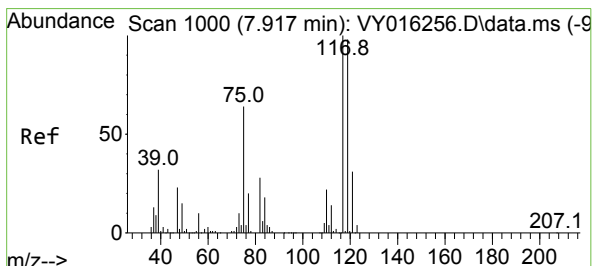
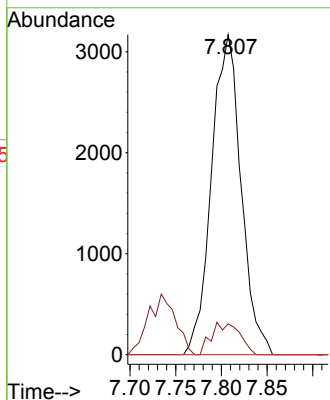
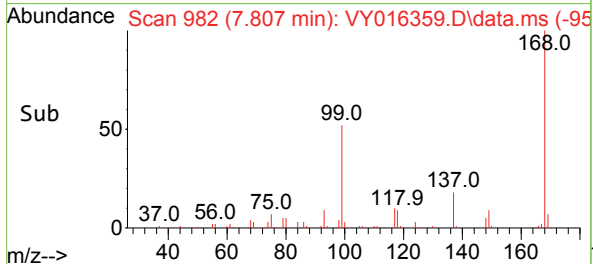


#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

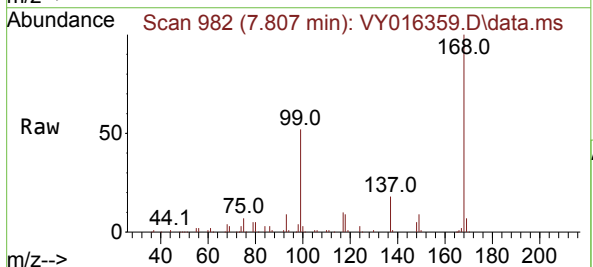
Instrument :
MSVOA_Y
ClientSampleId :



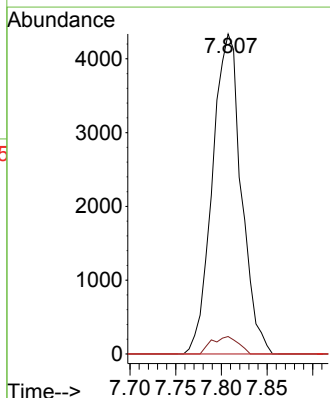
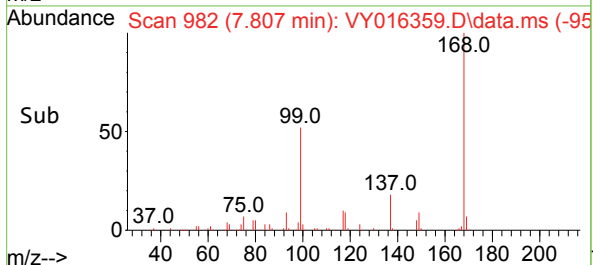
Tgt Ion: 75 Resp: 7135
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

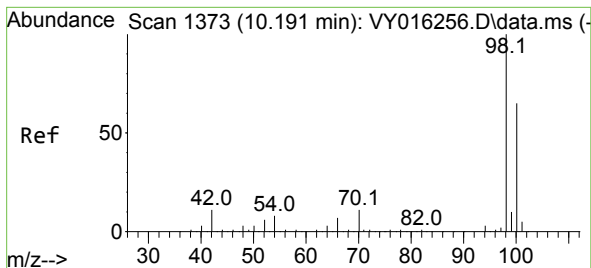


#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27



Tgt Ion: 117 Resp: 9568
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.430 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016359.D

Acq: 15 Nov 2023 12:27

Instrument :

MSVOA_Y

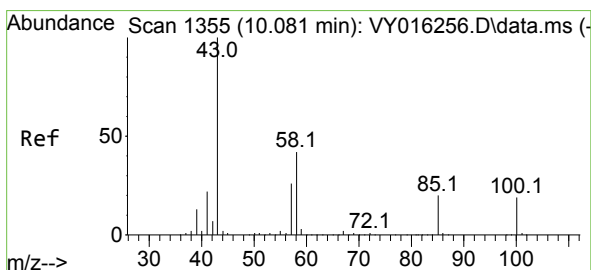
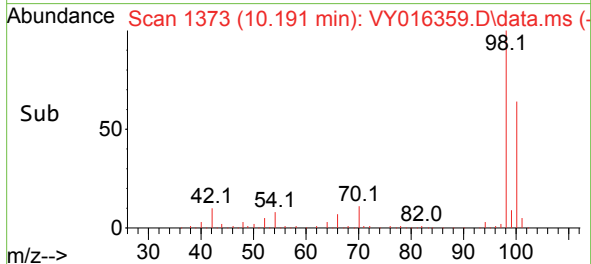
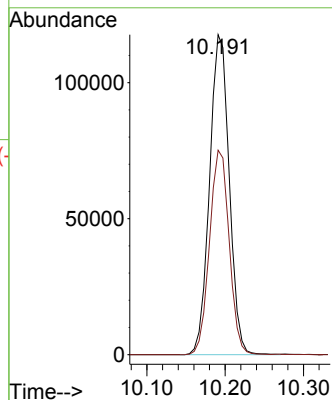
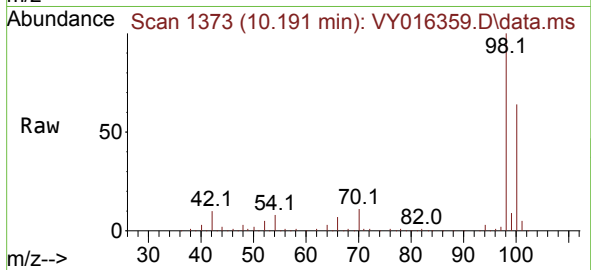
ClientSampleId :

Tgt Ion: 98 Resp: 204711

Ion Ratio Lower Upper

98 100

100 63.9 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.139 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.116 min

Lab File: VY016359.D

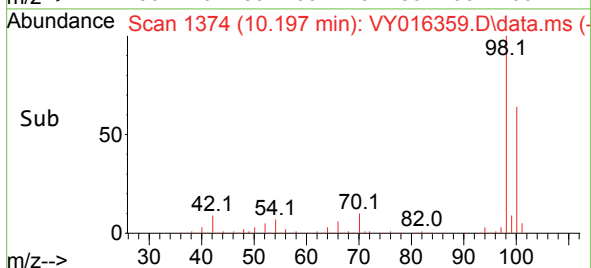
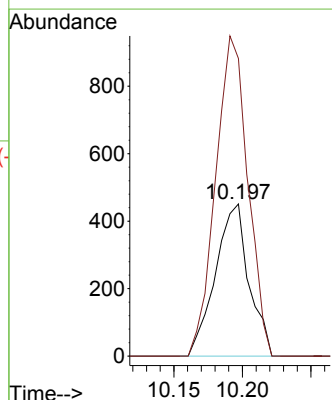
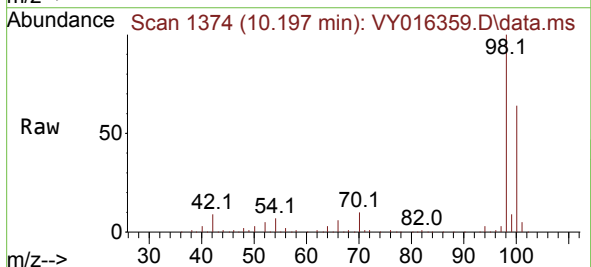
Acq: 15 Nov 2023 12:27

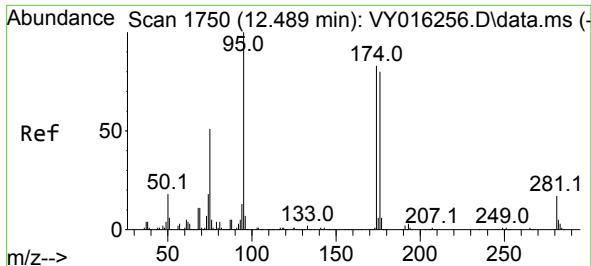
Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 202.6 29.0 43.6#

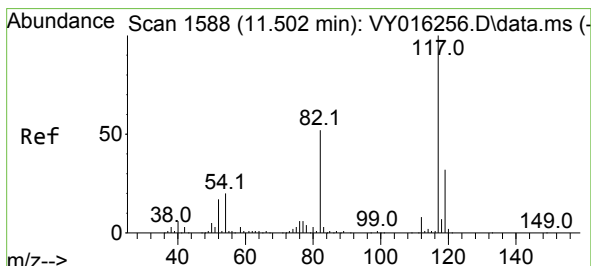
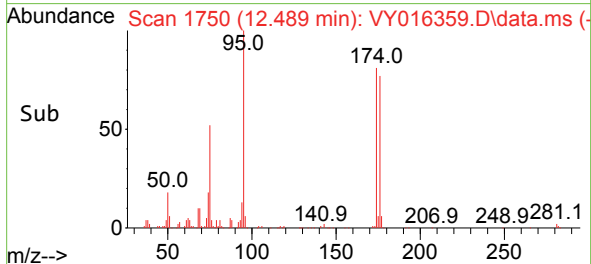
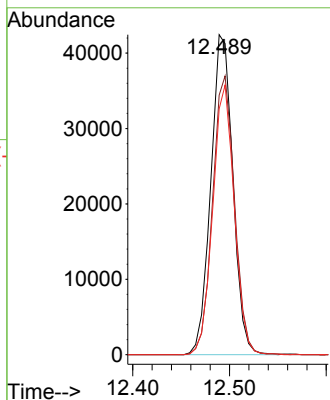
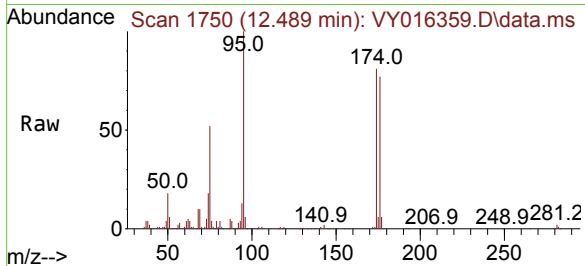




#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

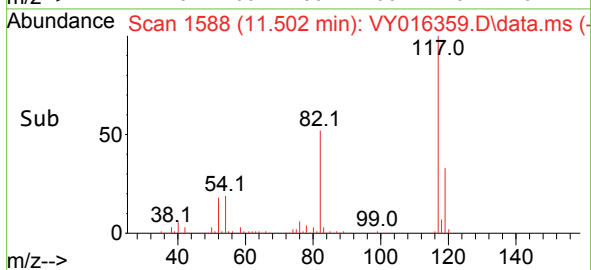
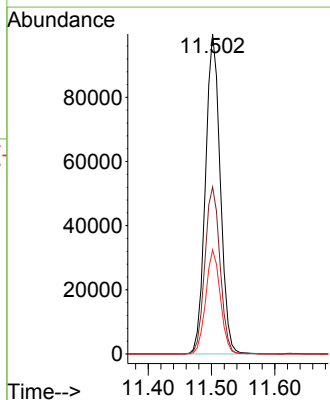
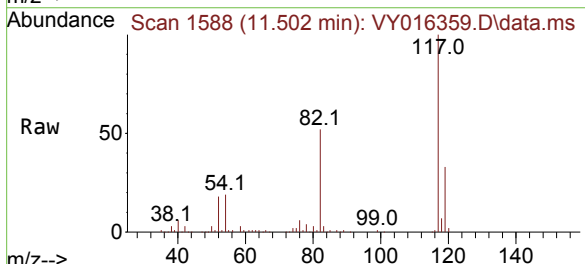
Instrument :
MSVOA_Y
ClientSampleId :

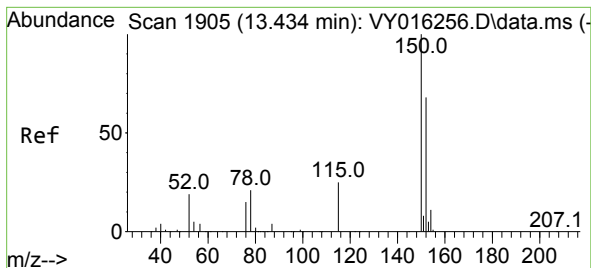
Tgt Ion:	95	Resp:	67069
Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	178.2
176	82.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016359.D
Acq: 15 Nov 2023 12:27

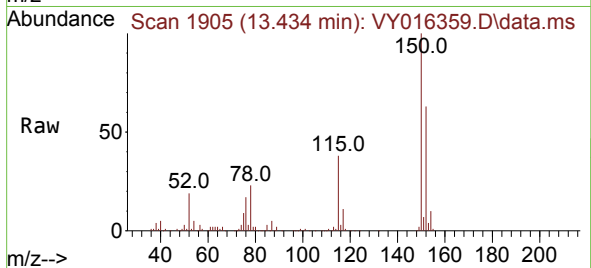
Tgt Ion:	117	Resp:	162478
Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.4	65.0
119	32.6	26.3	39.5



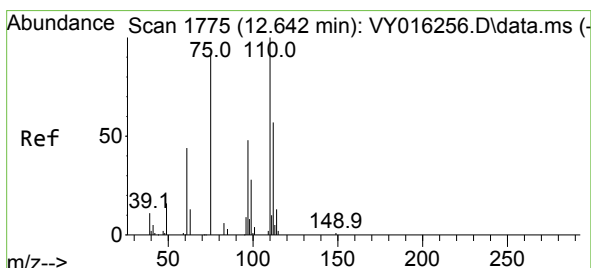
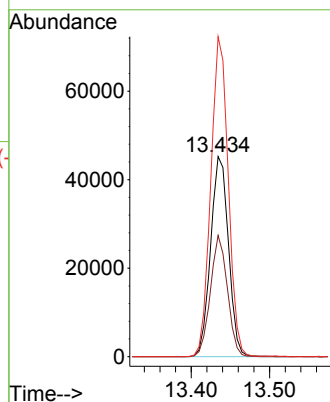
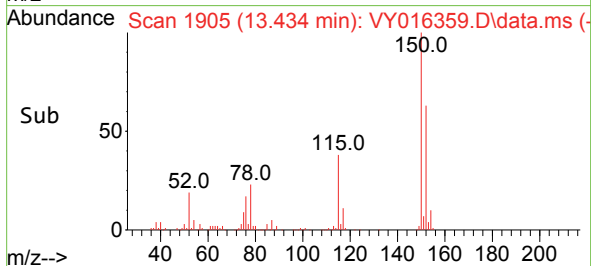


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016359.D
 Acq: 15 Nov 2023 12:27

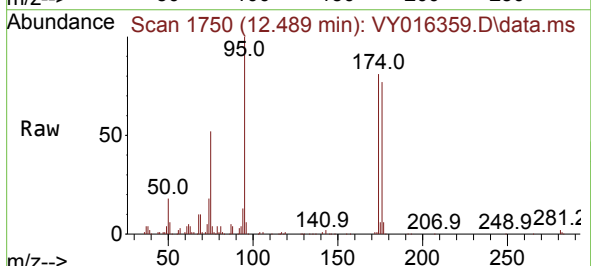
Instrument :
 MSVOA_Y
 ClientSampleId :



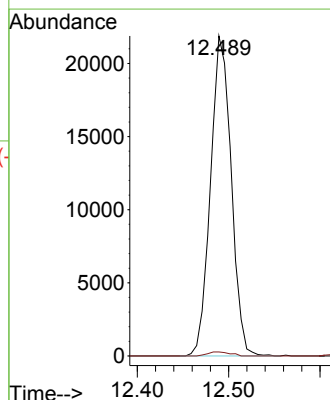
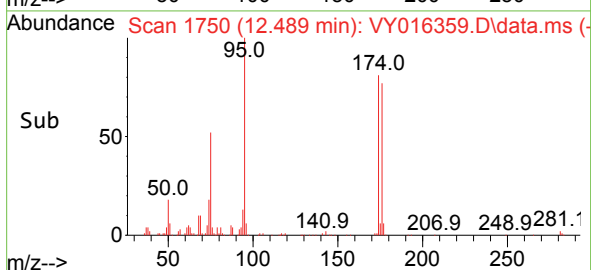
Tgt Ion:152 Resp: 71635
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.8 86.5
 150 156.1 0.0 348.8

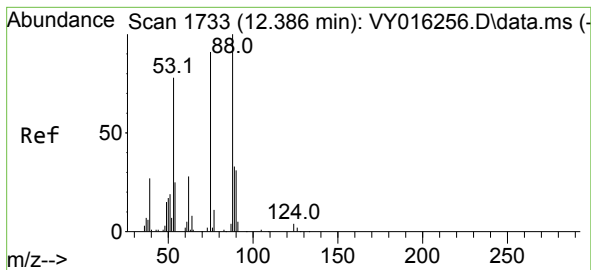


#76
 1,2,3-Trichloropropane
 Concen: 50.056 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.153 min
 Lab File: VY016359.D
 Acq: 15 Nov 2023 12:27



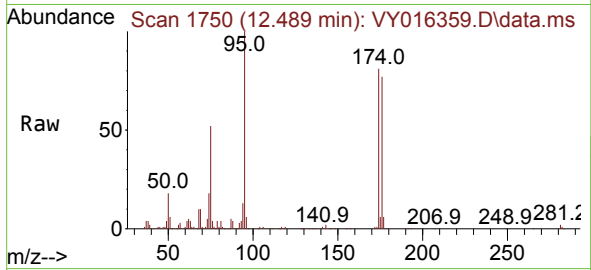
Tgt Ion: 75 Resp: 34398
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.651 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY016359.D
 Acq: 15 Nov 2023 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	34398
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

