

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016669.D
 Acq On : 16 Dec 2023 15:16
 Operator : SY/MD
 Sample : 05611-07RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 00:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

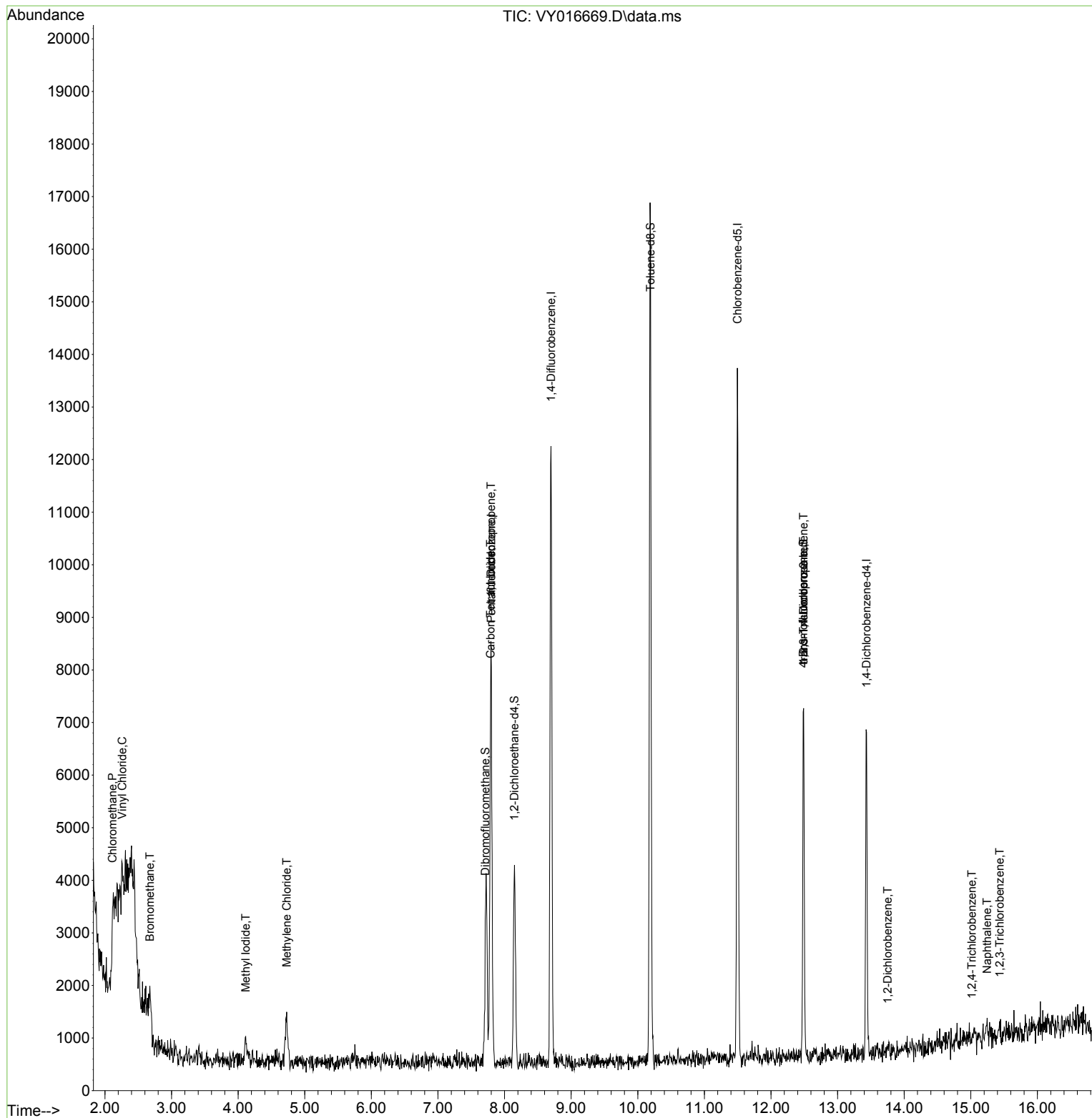
Internal Standards						
1) Pentafluorobenzene	7.801	168	6572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	10684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3138	58.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.720%	
35) Dibromofluoromethane	7.710	113	3025	52.785	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.560%	
50) Toluene-d8	10.191	98	11731	51.839	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.483	95	2354	32.053	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 64.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	675	8.457	ug/l #	82
4) Vinyl Chloride	2.260	62	151	1.648	ug/l #	44
5) Bromomethane	2.674	94	381	5.810	ug/l #	79
10) Methyl Iodide	4.113	142	710	10.778	ug/l #	54
16) Acetone	3.960	43	145	Below Cal	#	46
20) Methylene Chloride	4.729	84	709	5.882	ug/l #	64
36) 1,1-Dichloropropene	7.795	75	376	3.961	ug/l #	41
38) Carbon Tetrachloride	7.789	117	633	6.639	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	1190	73.440	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1190	167.825	ug/l #	10
91) 1,2-Dichlorobenzene	13.751	146	88	1.810	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.013	180	91	3.465	ug/l #	13
95) Naphthalene	15.245	128	260	6.102	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.434	180	23	1.062	ug/l #	28

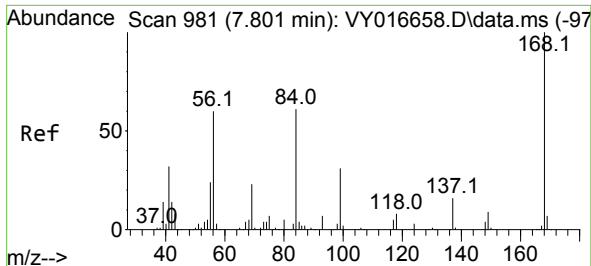
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Dec 16 00:39:52 2023
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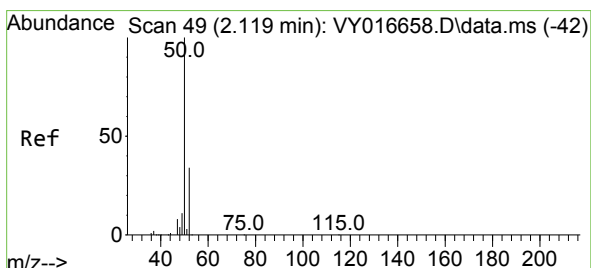
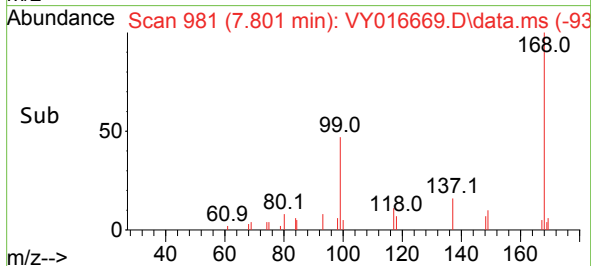
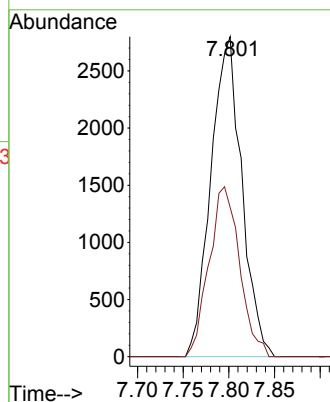
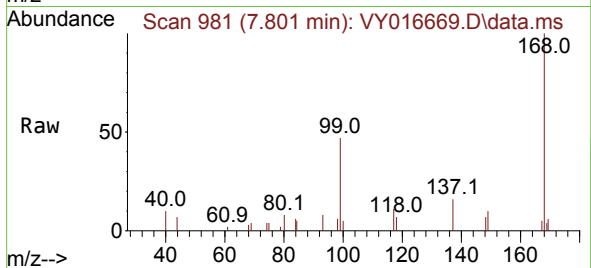




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

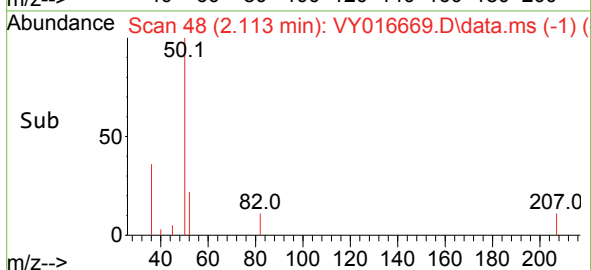
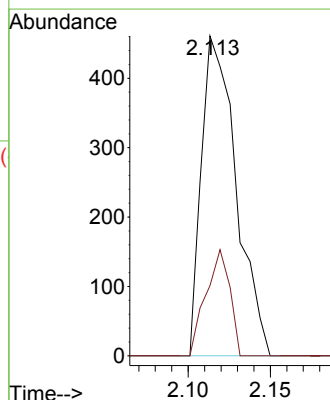
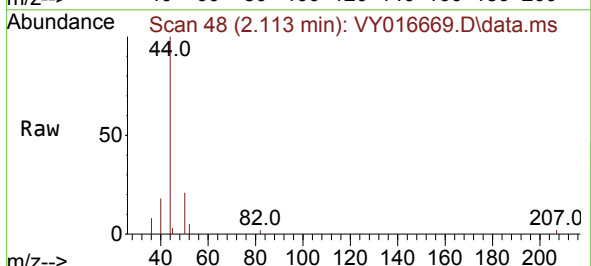
Instrument :
MSVOA_Y
ClientSampleId :

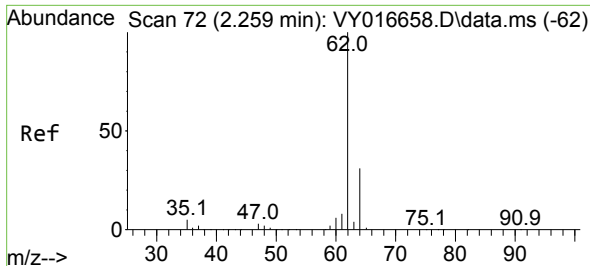
Tgt Ion:168 Resp: 6572
Ion Ratio Lower Upper
168 100
99 46.7 43.4 65.0



#3
Chloromethane
Concen: 8.457 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 21.9 25.4 38.2#

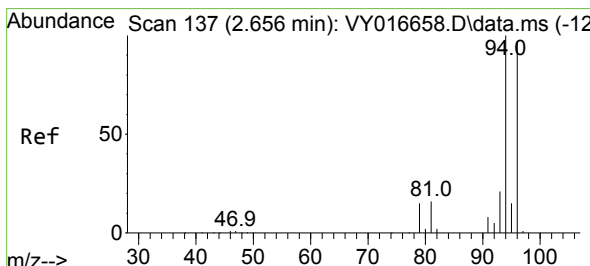
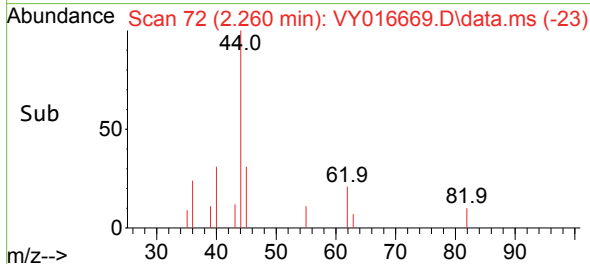
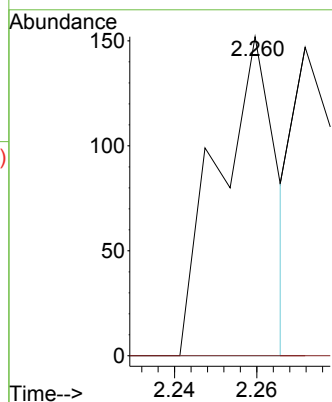
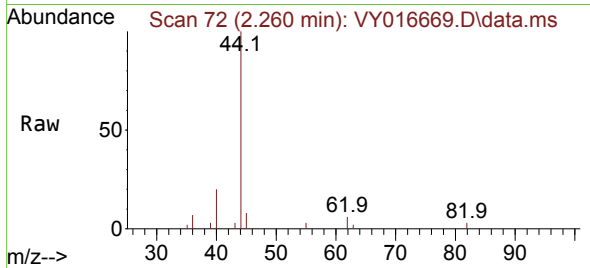




#4
 Vinyl Chloride
 Concen: 1.648 ug/l
 RT: 2.260 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VY016669.D
 Acq: 16 Dec 2023 15:16

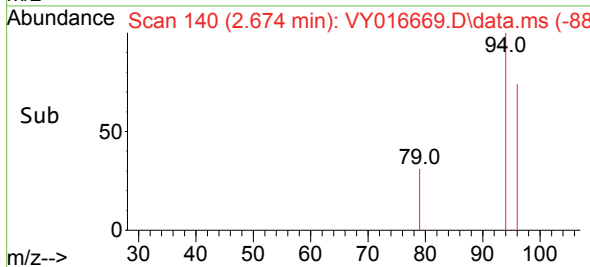
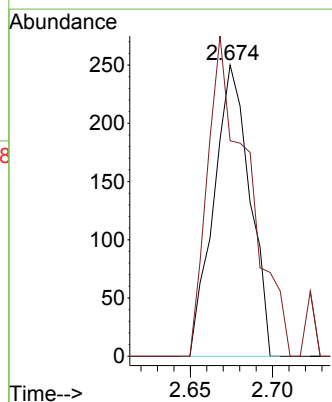
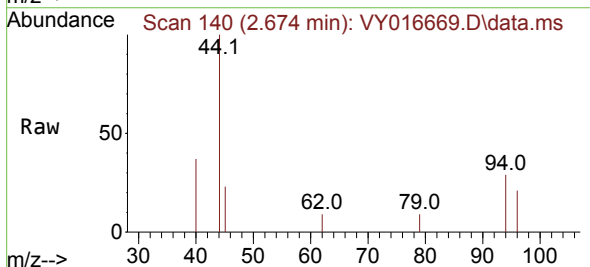
Instrument :
 MSVOA_Y
 ClientSampleId :

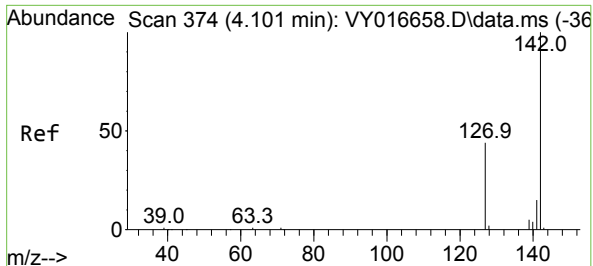
Tgt Ion: 62 Resp: 151
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 5.810 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.018 min
 Lab File: VY016669.D
 Acq: 16 Dec 2023 15:16

Tgt Ion: 94 Resp: 381
 Ion Ratio Lower Upper
 94 100
 96 74.0 75.8 113.6#





#10

Methyl Iodide

Concen: 10.778 ug/l

RT: 4.113 min Scan# 31

Delta R.T. 0.012 min

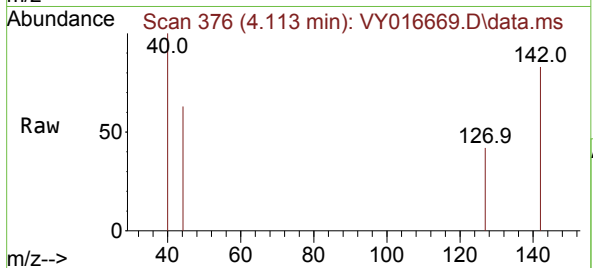
Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

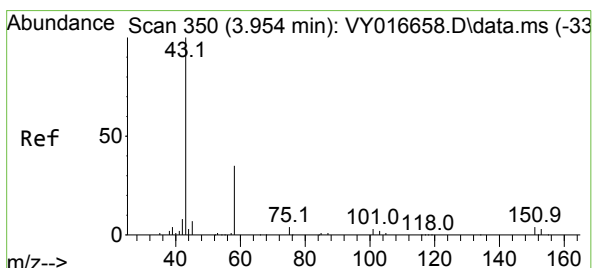
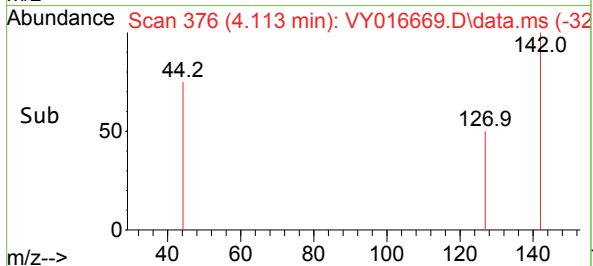
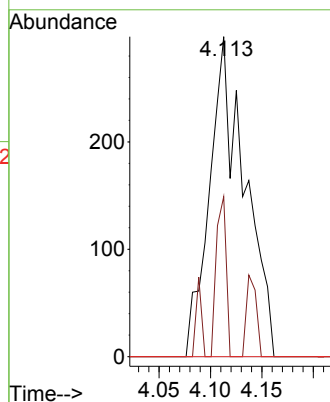
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	710
Ion Ratio	100	Lower	Upper
127	13.9	37.6	56.4#
141	0.0	11.8	17.8#



#16

Acetone

Concen: Below Cal

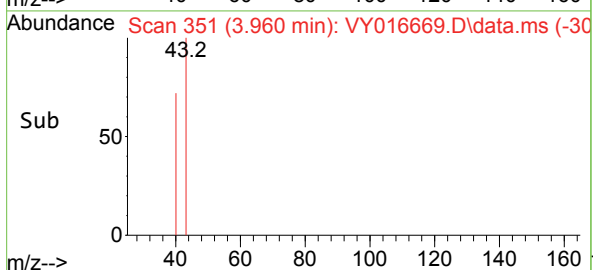
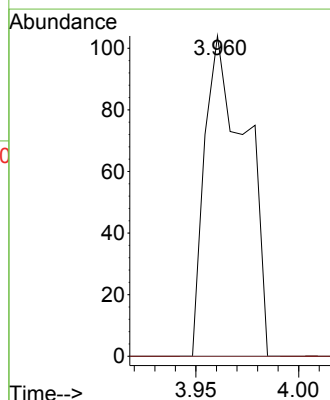
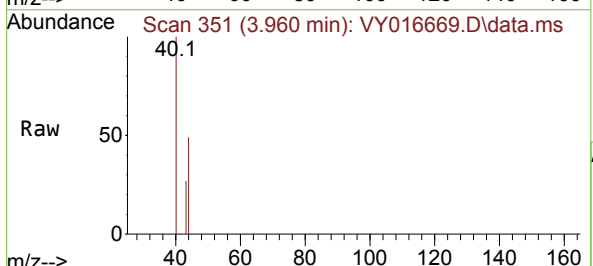
RT: 3.960 min Scan# 351

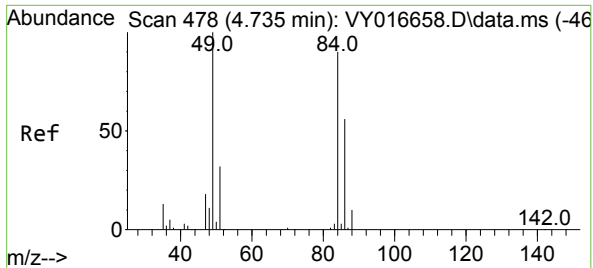
Delta R.T. 0.006 min

Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

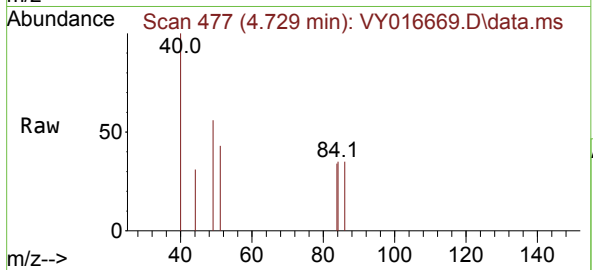
Tgt Ion:	43	Resp:	145
Ion Ratio	100	Lower	Upper
58	0.0	22.7	34.1#



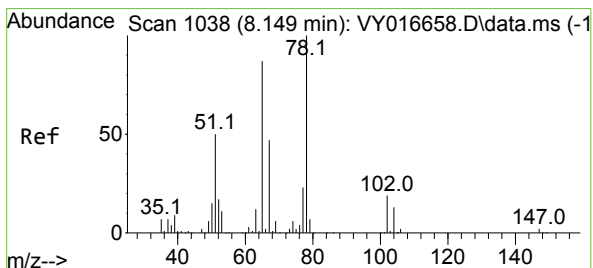
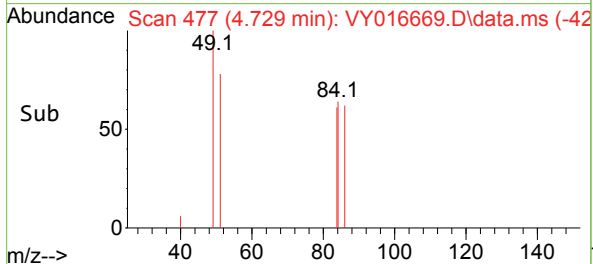
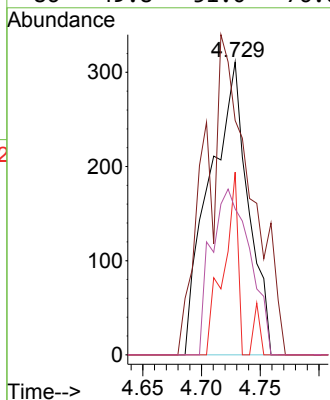


#20
Methylene Chloride
Concen: 5.882 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Instrument :
MSVOA_Y
ClientSampleId :

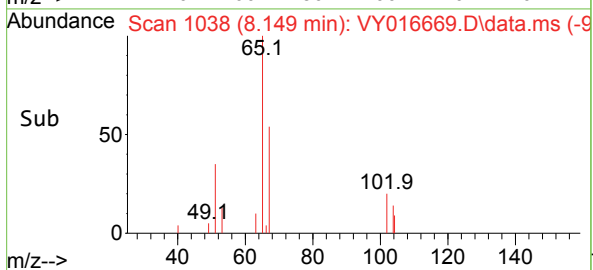
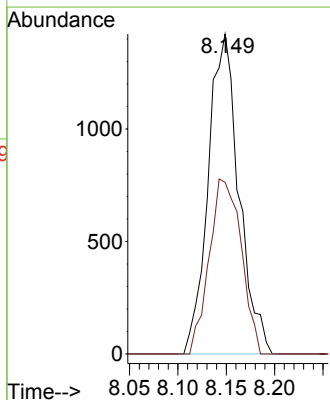
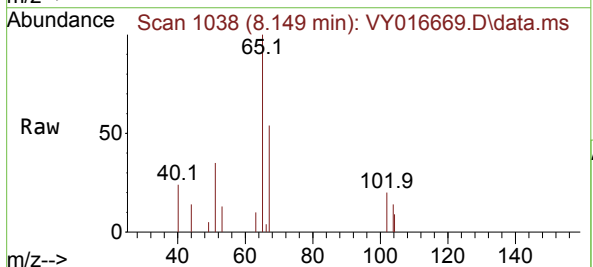


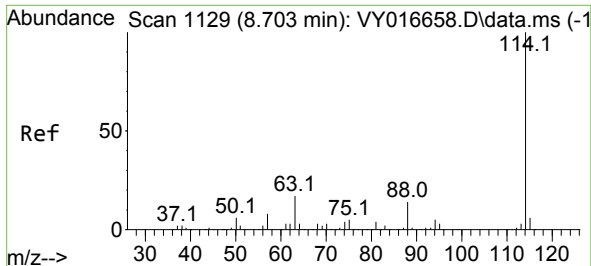
Tgt Ion:	84	Resp:	709
Ion	Ratio	Lower	Upper
84	100		
49	80.1	106.9	160.3#
51	62.4	33.2	49.8#
86	49.8	51.0	76.6#



#33
1,2-Dichloroethane-d4
Concen: 58.362 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Tgt Ion:	65	Resp:	3138
Ion	Ratio	Lower	Upper
65	100		
67	56.8	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016669.D

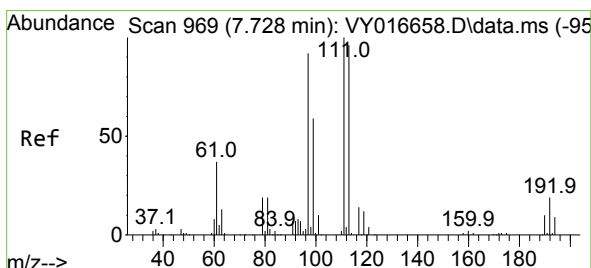
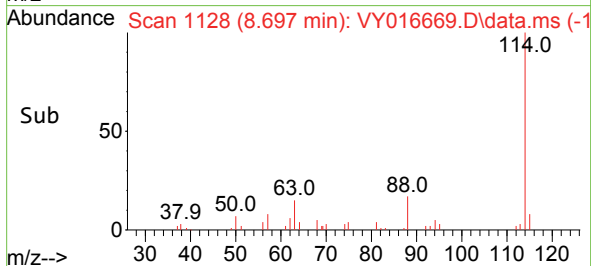
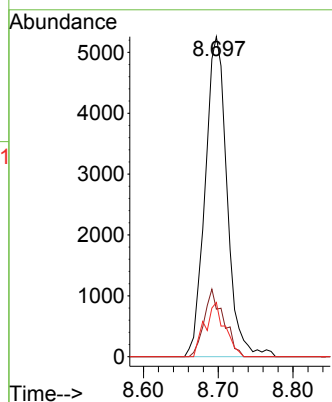
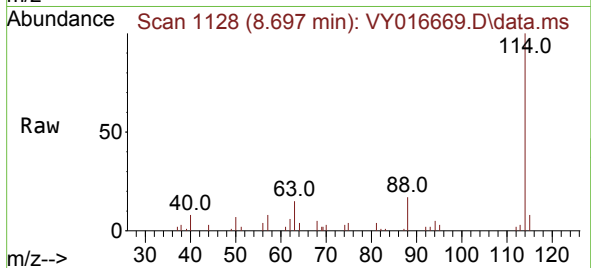
Acq: 16 Dec 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	10684
Ion Ratio	Lower	Upper
114	100	
63	14.8	0.0 42.4
88	16.9	0.0 30.6



#35

Dibromofluoromethane

Concen: 52.785 ug/l

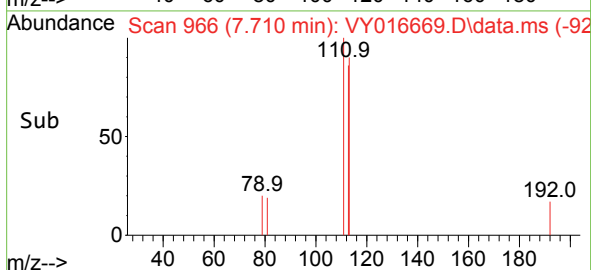
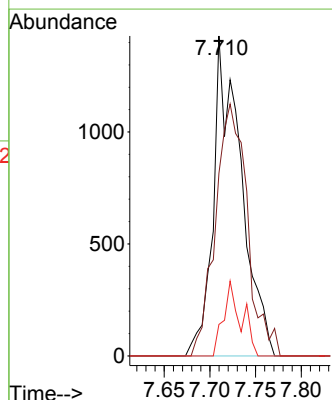
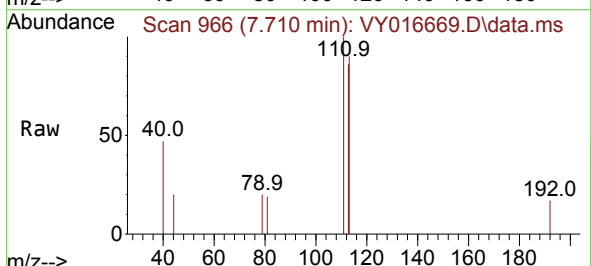
RT: 7.710 min Scan# 966

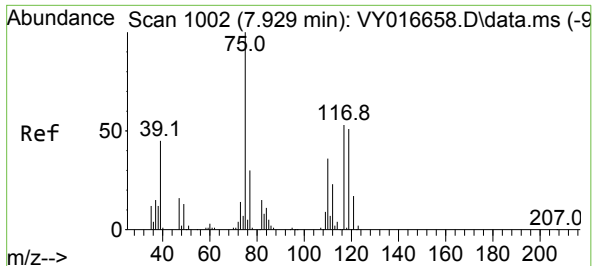
Delta R.T. -0.018 min

Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

Tgt Ion:113	Resp:	3025
Ion Ratio	Lower	Upper
113	100	
111	90.2	81.3 121.9
192	14.9	16.9 25.3

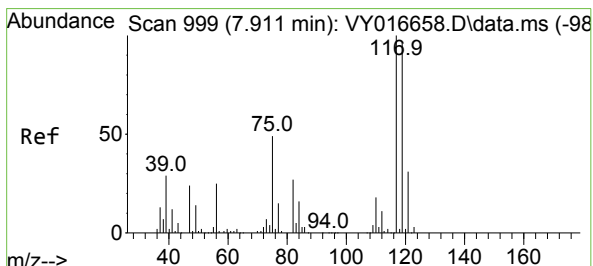
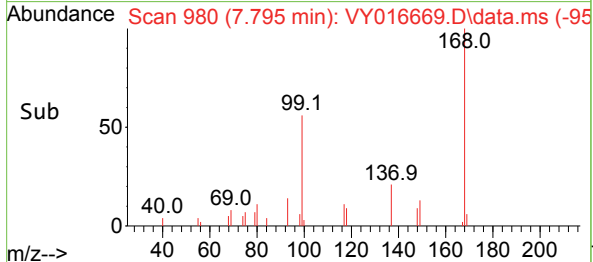
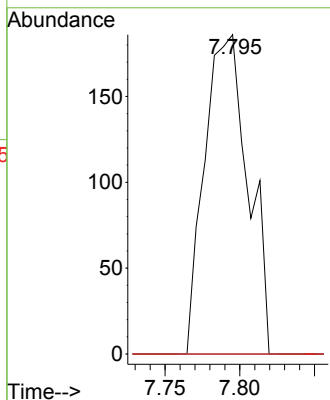
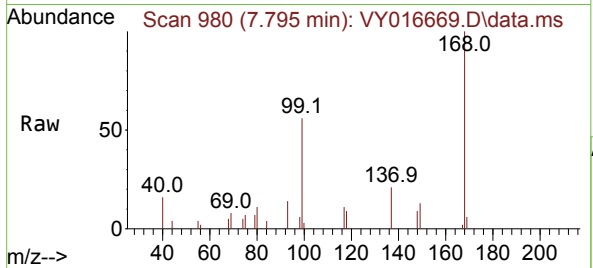




#36
1,1-Dichloropropene
Concen: 3.961 ug/l
RT: 7.795 min Scan# 910
Delta R.T. -0.134 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

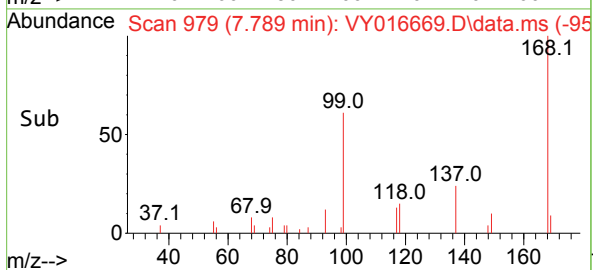
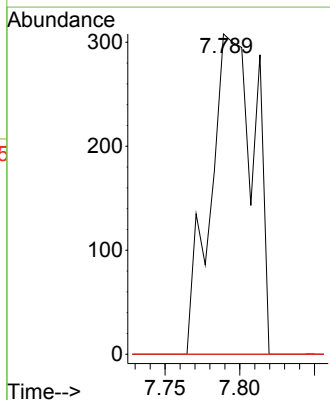
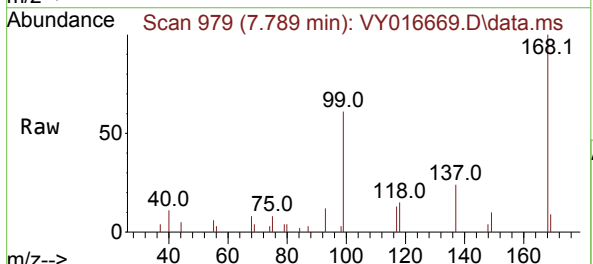
Instrument :
MSVOA_Y
ClientSampleId :

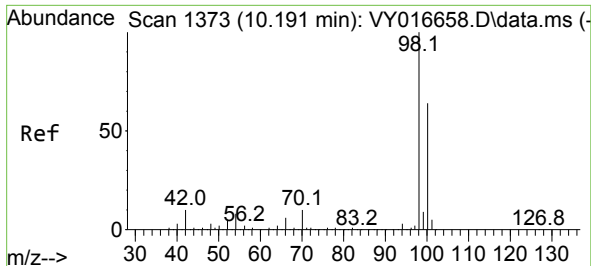
Tgt Ion: 75 Resp: 376
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.639 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Tgt Ion: 117 Resp: 633
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

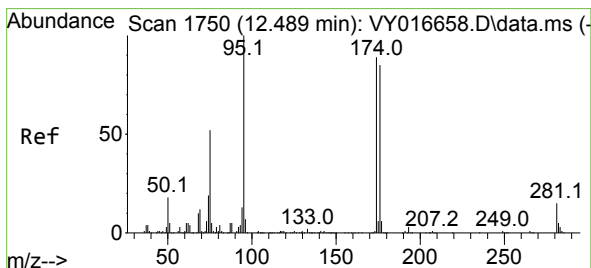
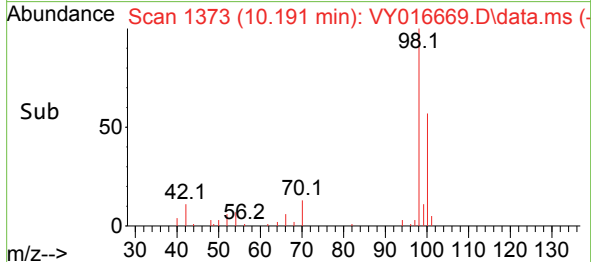
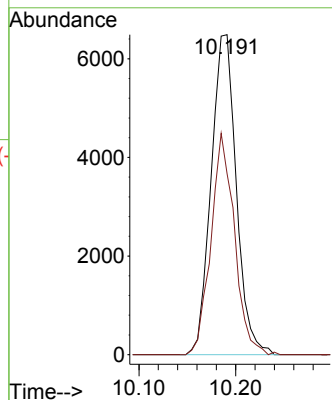
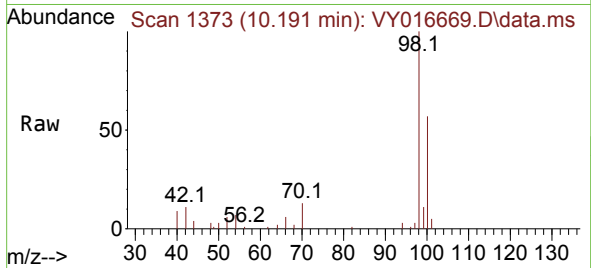




#50
Toluene-d8
Concen: 51.839 ug/l
RT: 10.191 min Scan# 11731
Delta R.T. 0.000 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

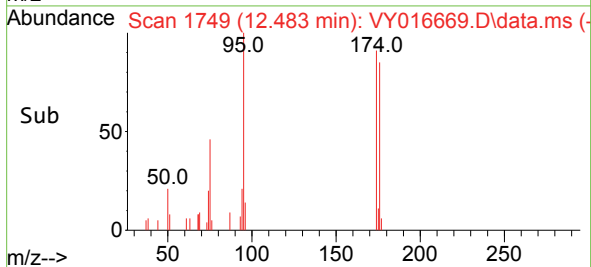
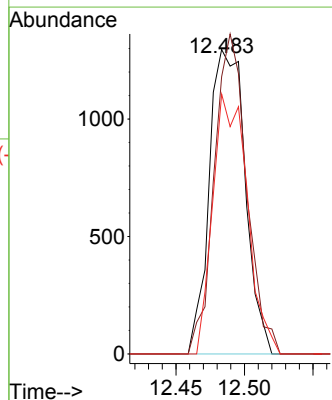
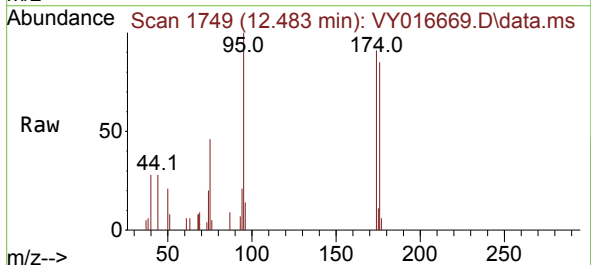
Instrument :
MSVOA_Y
ClientSampleId :

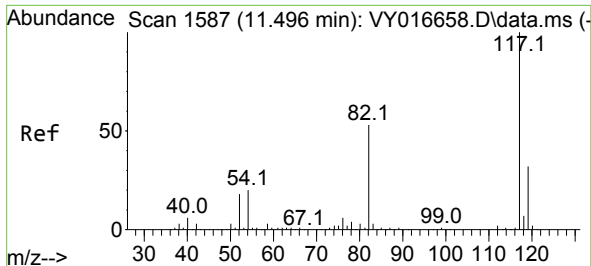
Tgt Ion: 98 Resp: 11731
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 32.053 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Tgt Ion: 95 Resp: 2354
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.2
176 81.9 0.0 173.8

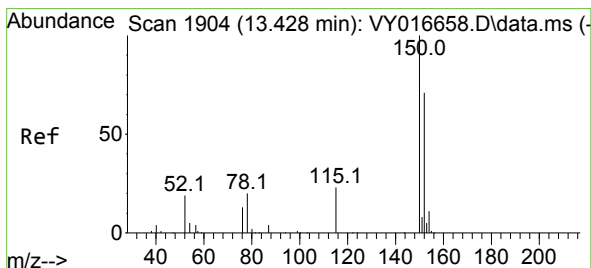
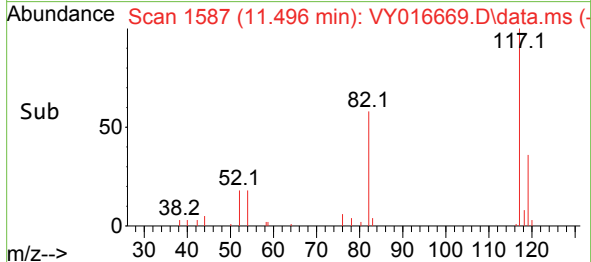
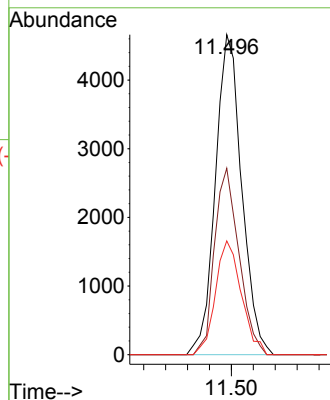
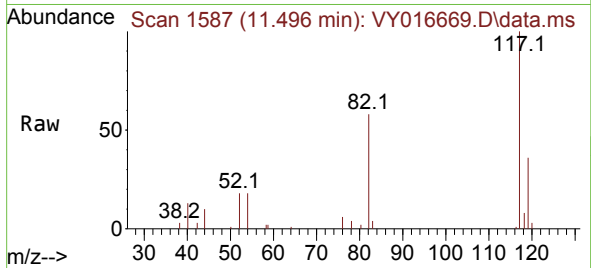




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

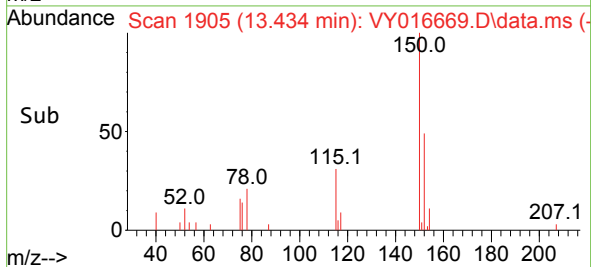
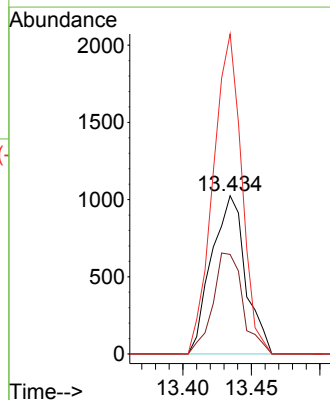
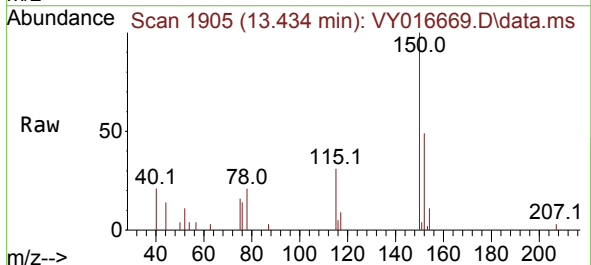
Instrument :
MSVOA_Y
ClientSampleId :

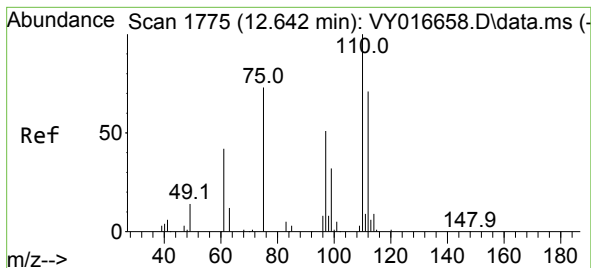
Tgt Ion:117 Resp: 7782
Ion Ratio Lower Upper
117 100
82 58.3 43.4 65.0
119 35.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY016669.D
Acq: 16 Dec 2023 15:16

Tgt Ion:152 Resp: 1769
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 170.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 73.440 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

Instrument :

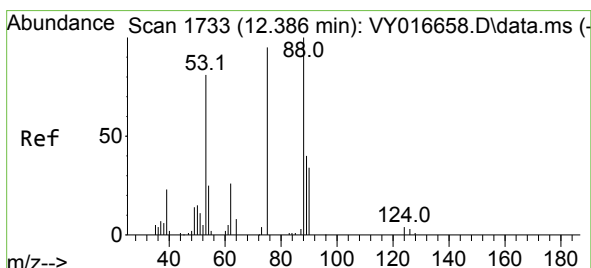
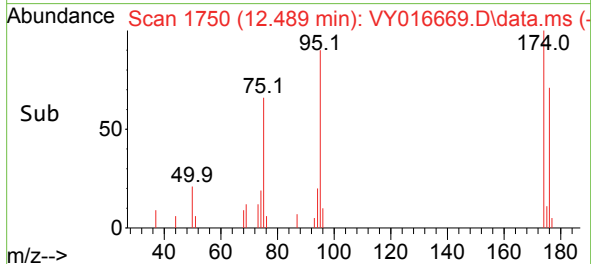
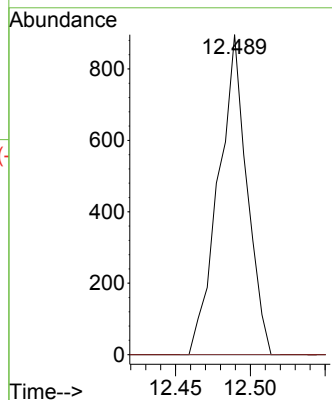
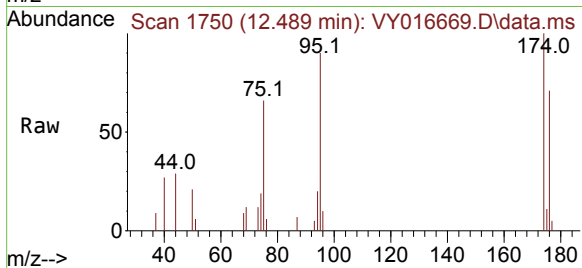
MSVOA_Y

ClientSampleId :

Tgt Ion: 75 Resp: 1190

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 167.825 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

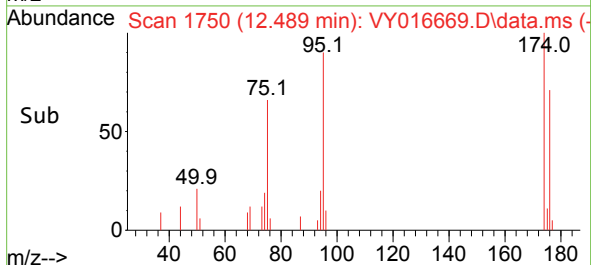
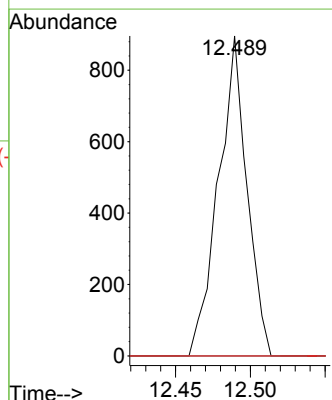
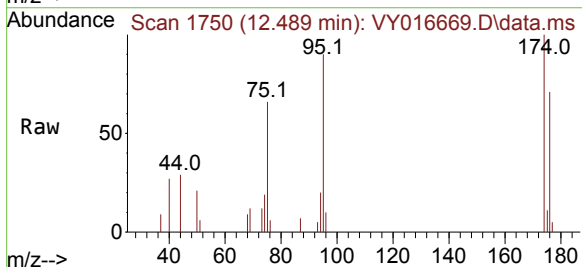
Lab File: VY016669.D

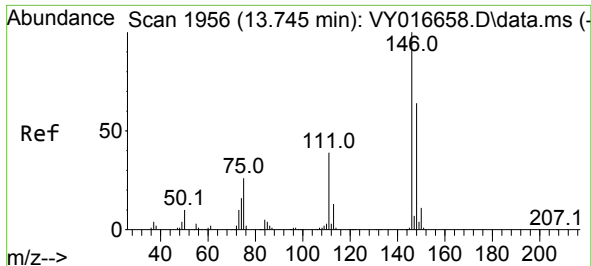
Acq: 16 Dec 2023 15:16

Tgt Ion: 75 Resp: 1190

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#





#91

1,2-Dichlorobenzene

Concen: 1.810 ug/l

RT: 13.751 min Scan# 1956

Delta R.T. 0.006 min

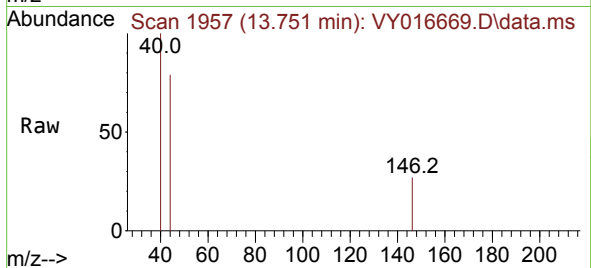
Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :



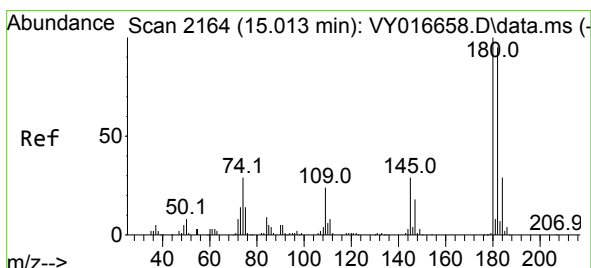
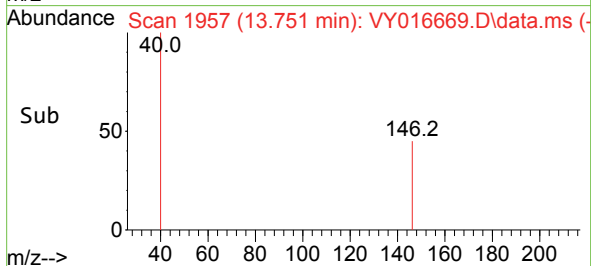
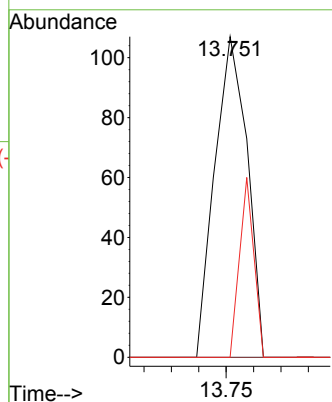
Tgt Ion:146 Resp: 88

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

148 25.0 32.0 96.2#



#93

1,2,4-Trichlorobenzene

Concen: 3.465 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

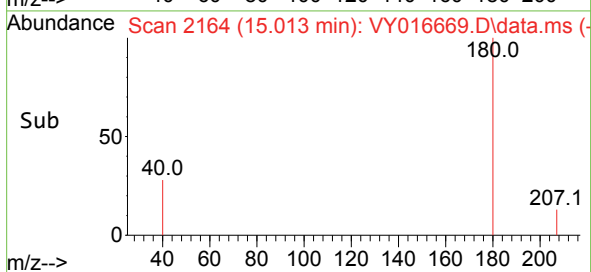
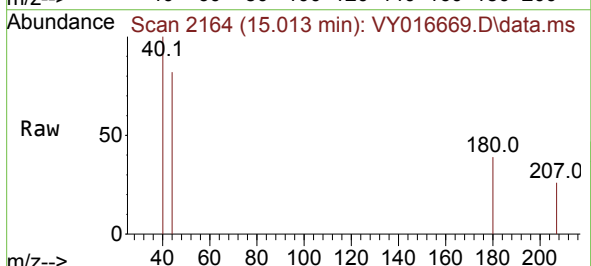
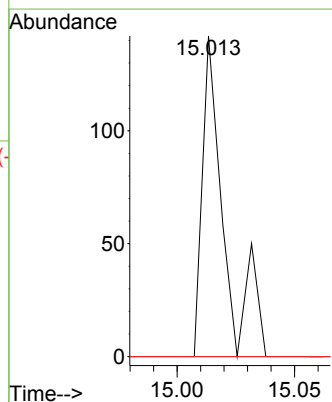
Tgt Ion:180 Resp: 91

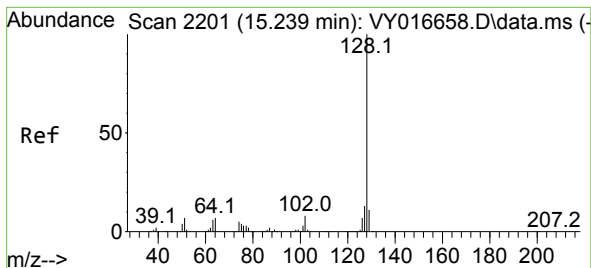
Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.2#

145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 6.102 ug/l

RT: 15.245 min Scan# 2201

Delta R.T. 0.006 min

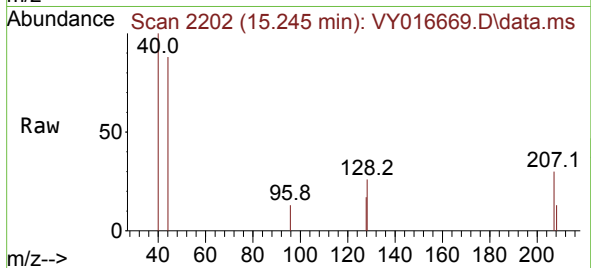
Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

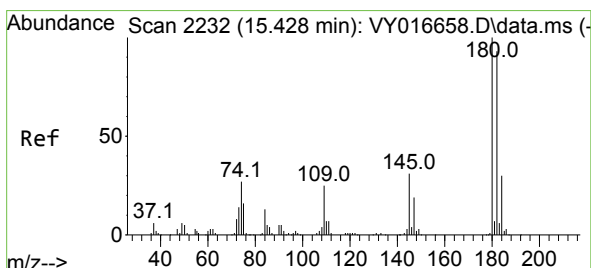
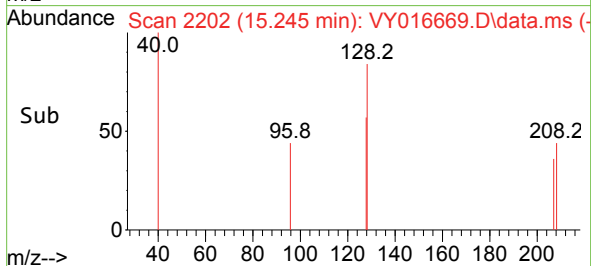
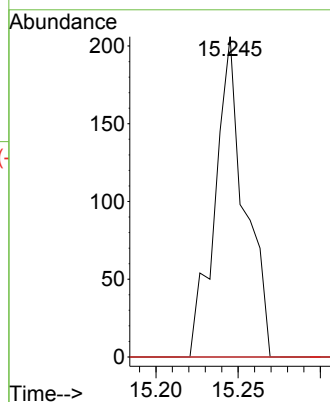
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128	Resp:	260
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.8 16.2#
129	0.0	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.062 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY016669.D

Acq: 16 Dec 2023 15:16

Tgt Ion:180	Resp:	23
Ion Ratio	Lower	Upper
180	100	
182	169.6	47.3 141.8#
145	0.0	15.4 46.2#

