

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016059.D
 Acq On : 20 Oct 2023 12:17
 Operator : SY/MD
 Sample : 04974-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 23:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

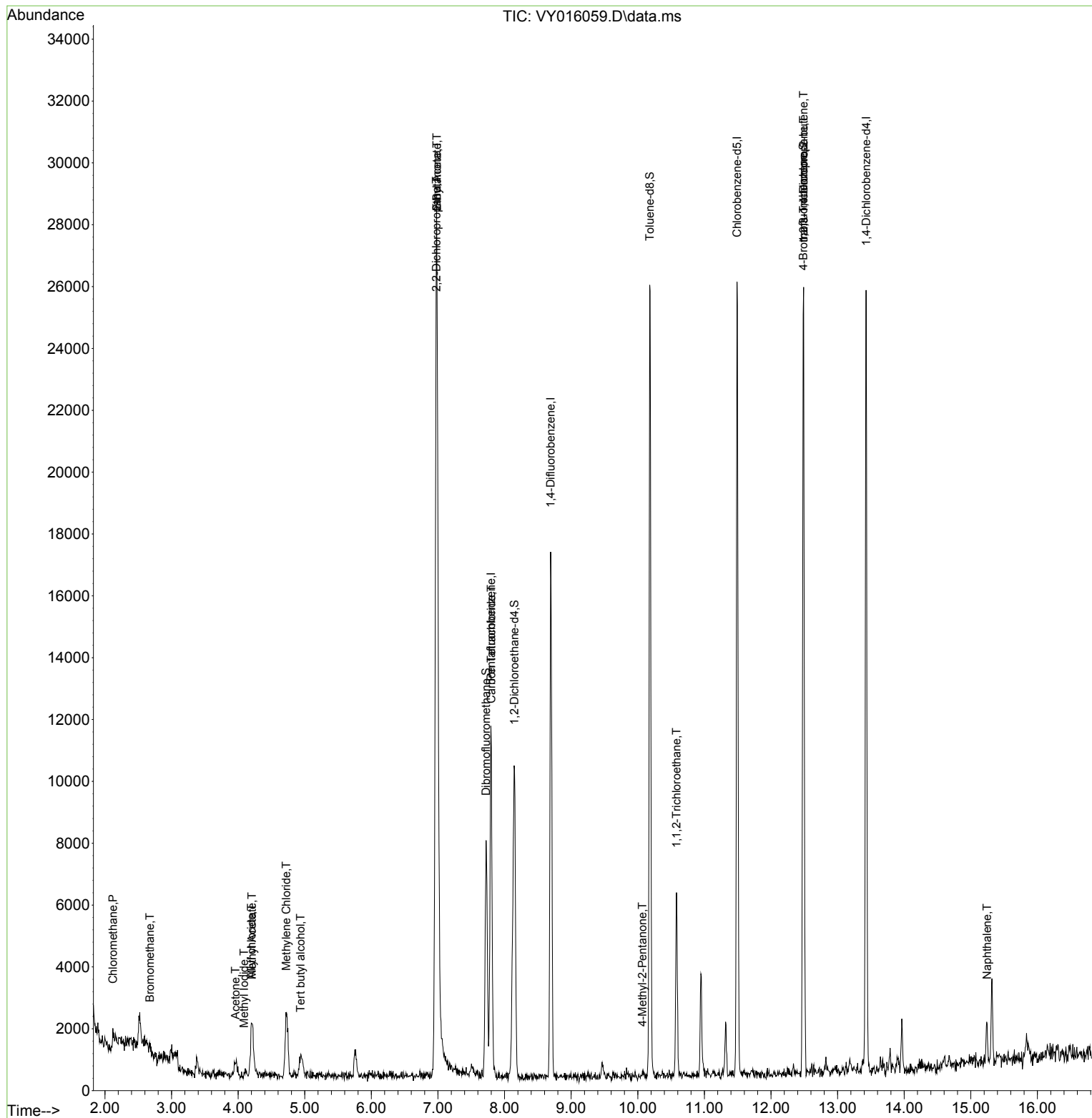
Internal Standards						
1) Pentafluorobenzene	7.795	168	9043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7097	69.050	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.100%	
35) Dibromofluoromethane	7.722	113	5567	58.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.820%	
50) Toluene-d8	10.179	98	17498	50.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	12.483	95	6219	50.787	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.580%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	236	2.501	ug/l #	43
5) Bromomethane	2.674	94	92	1.191	ug/l #	2
10) Methyl Iodide	4.088	142	198	1.635	ug/l #	52
11) Tert butyl alcohol	4.936	59	1247	78.597	ug/l #	89
13) Acrolein	3.729	56	20	Below Cal	#	14
14) Allyl chloride	4.198	41	261	1.924	ug/l #	22
16) Acetone	3.960	43	981	25.749	ug/l #	46
18) Methyl Acetate	4.204	43	627	4.781	ug/l #	54
20) Methylene Chloride	4.723	84	1652	14.596	ug/l #	78
25) 2-Butanone	6.984	43	1465	28.073	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	1997	12.666	ug/l #	54
37) Ethyl Acetate	6.984	43	1465	14.296	ug/l #	1
38) Carbon Tetrachloride	7.801	117	924	6.115	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	174	1.689	ug/l #	39
55) 1,1,2-Trichloroethane	10.581	97	103	1.126	ug/l #	14
76) 1,2,3-Trichloropropane	12.489	75	3306	34.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	3306	75.209	ug/l #	10
95) Naphthalene	15.245	128	1563	4.548	ug/l #	87

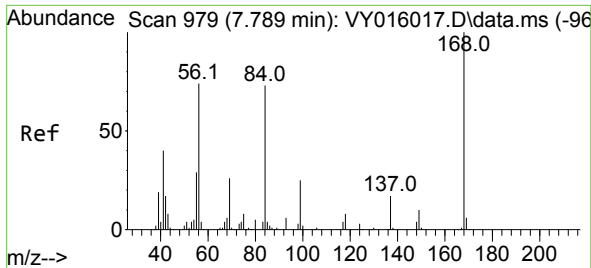
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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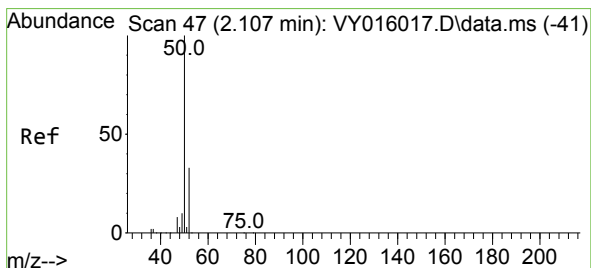
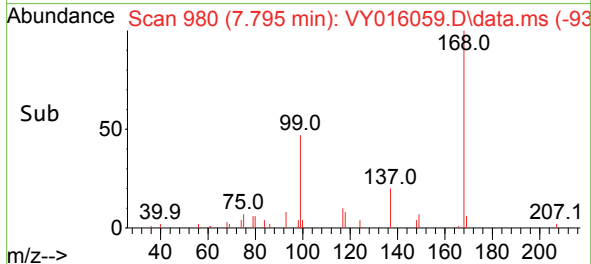
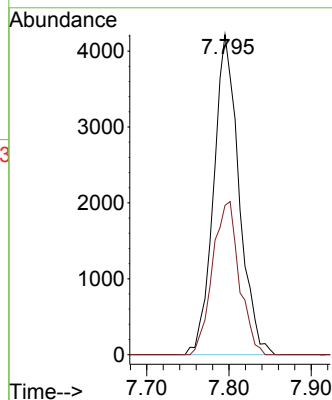
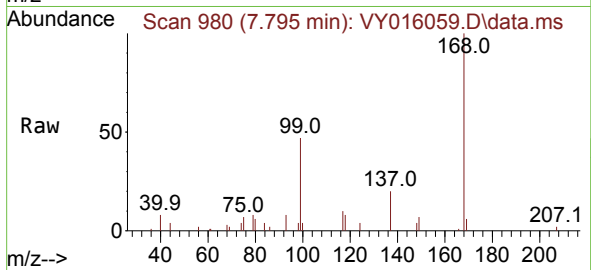




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

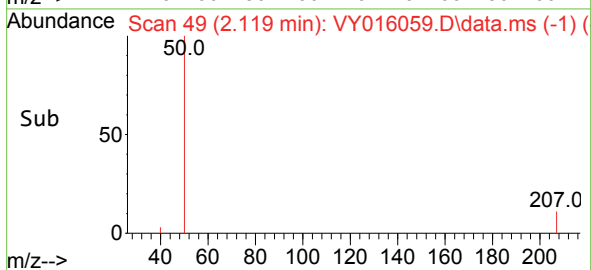
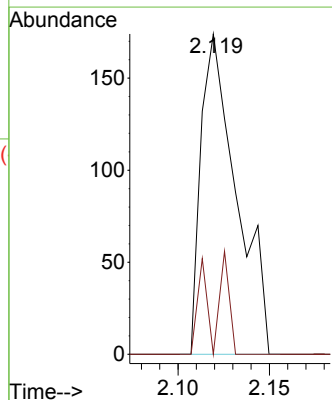
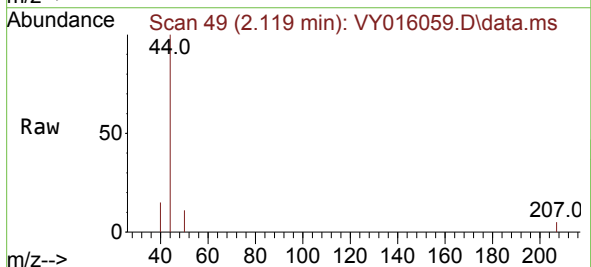
Instrument :
MSVOA_Y
ClientSampleId :

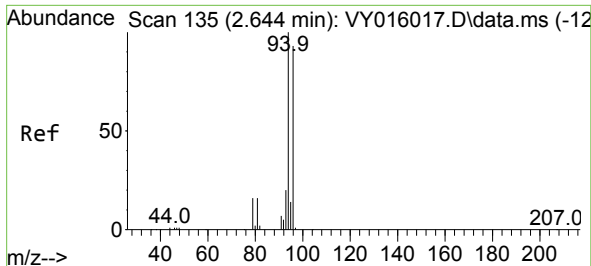
Tgt Ion:168 Resp: 9043
Ion Ratio Lower Upper
168 100
99 46.6 43.4 65.0



#3
Chloromethane
Concen: 2.501 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

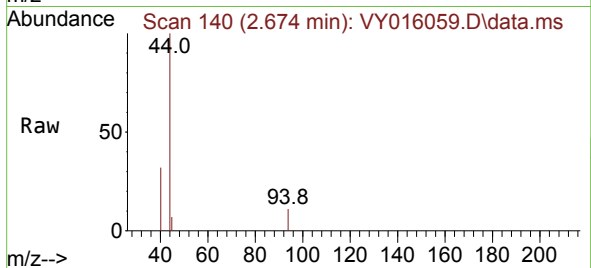
Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



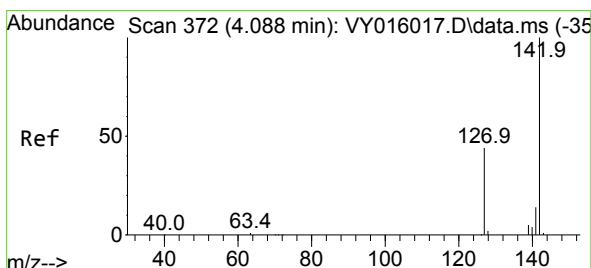
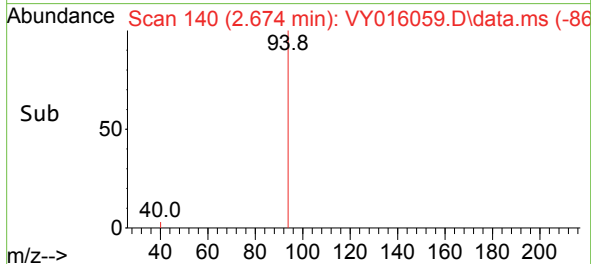
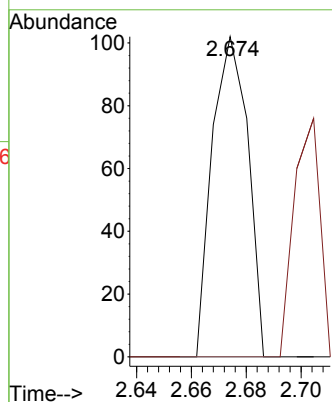


#5
Bromomethane
Concen: 1.191 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.030 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :

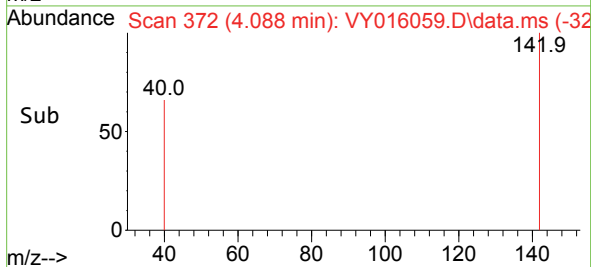
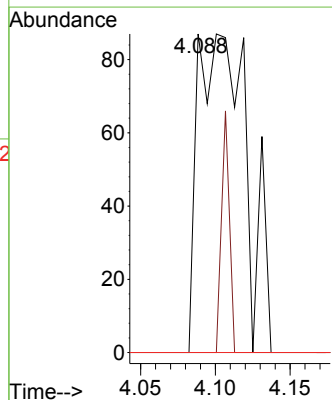
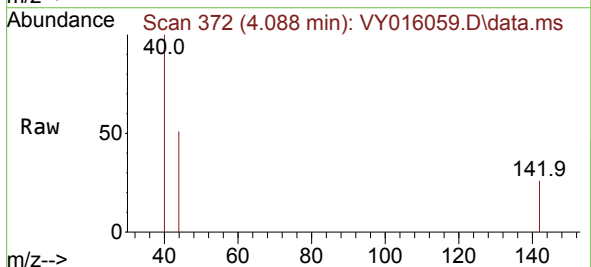


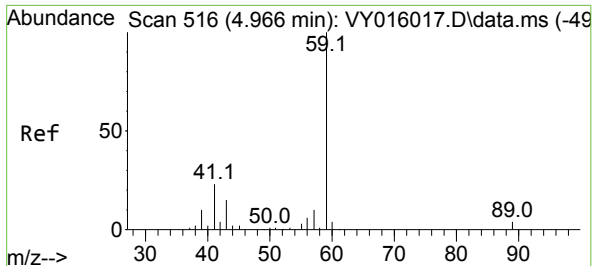
Tgt Ion: 94 Resp: 92
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#10
Methyl Iodide
Concen: 1.635 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Tgt Ion: 142 Resp: 198
Ion Ratio Lower Upper
142 100
127 12.1 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 78.597 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY016059.D

Acq: 20 Oct 2023 12:17

Instrument :

MSVOA_Y

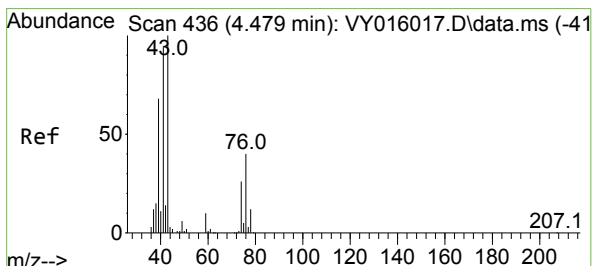
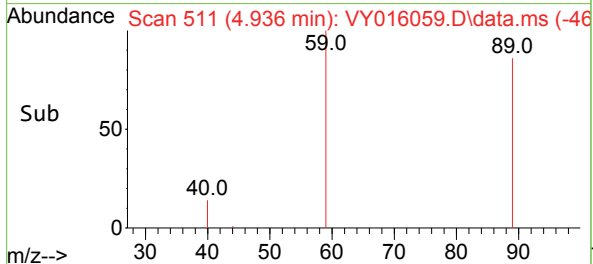
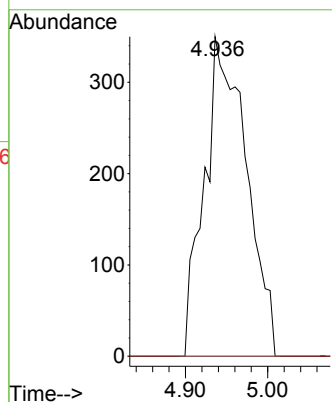
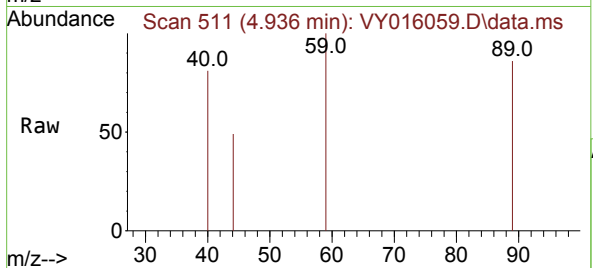
ClientSampleId :

Tgt Ion: 59 Resp: 1247

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#14

Allyl chloride

Concen: 1.924 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.280 min

Lab File: VY016059.D

Acq: 20 Oct 2023 12:17

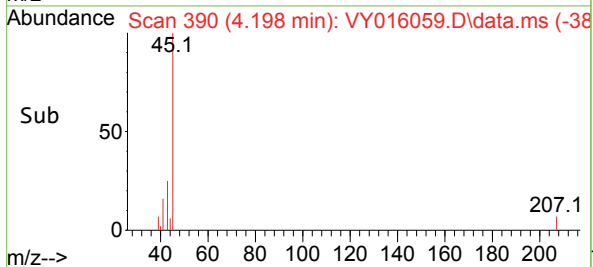
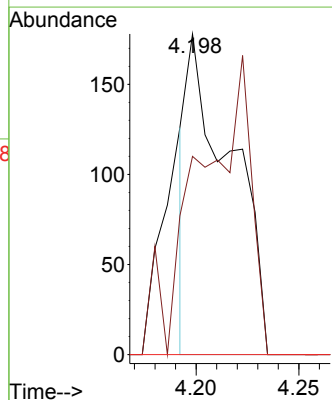
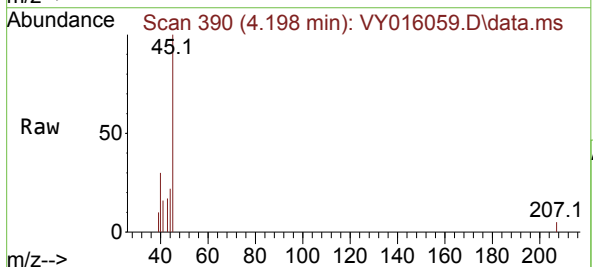
Tgt Ion: 41 Resp: 261

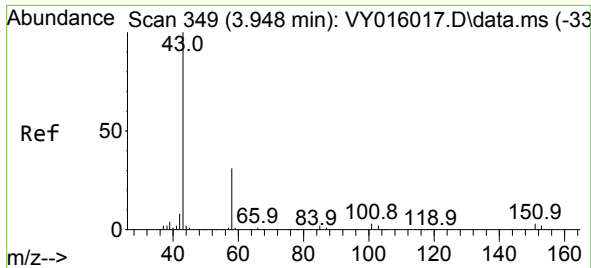
Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#

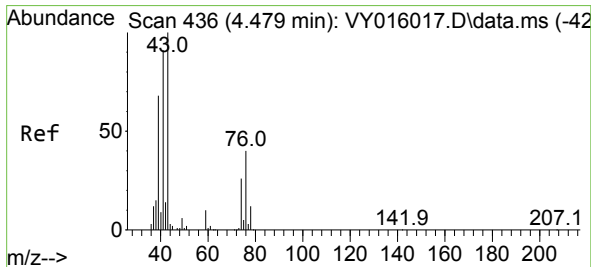
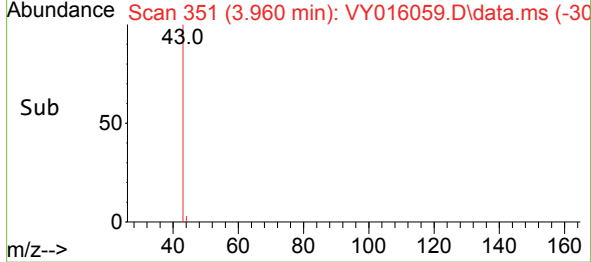
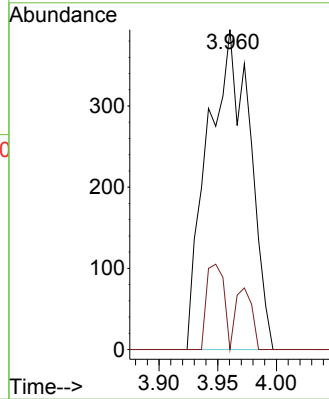
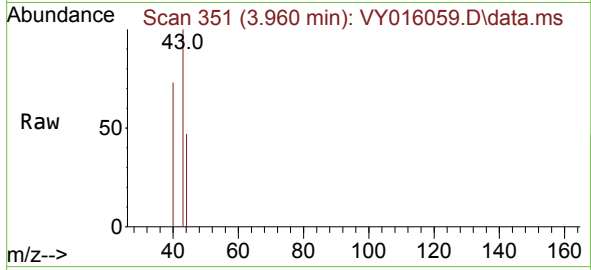




#16
Acetone
Concen: 25.749 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

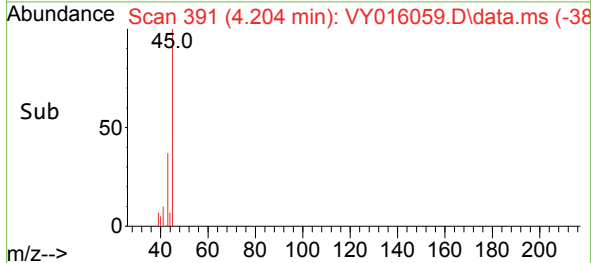
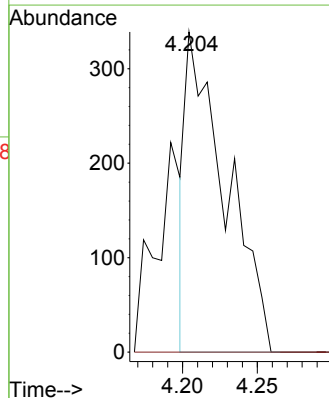
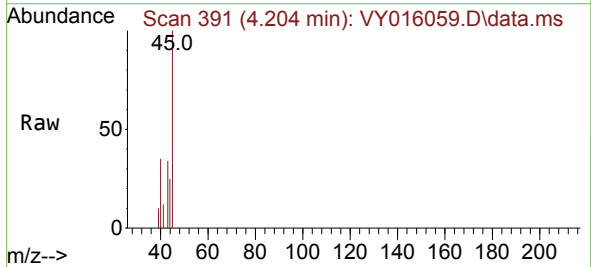
Instrument :
MSVOA_Y
ClientSampleId :

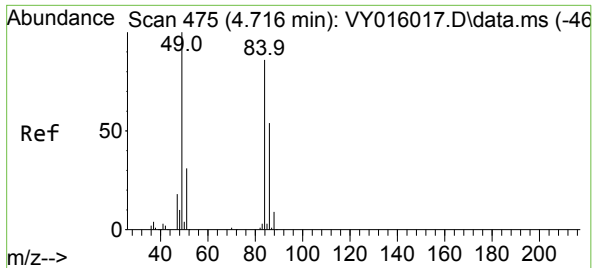
Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#18
Methyl Acetate
Concen: 4.781 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

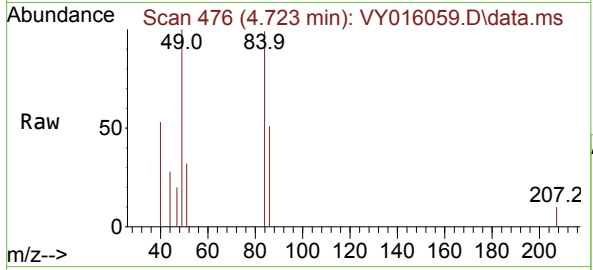
Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



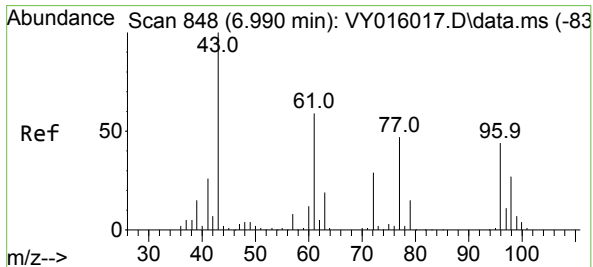
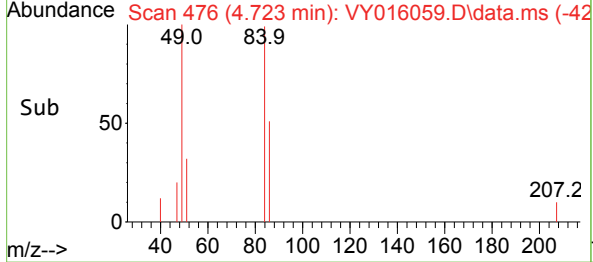
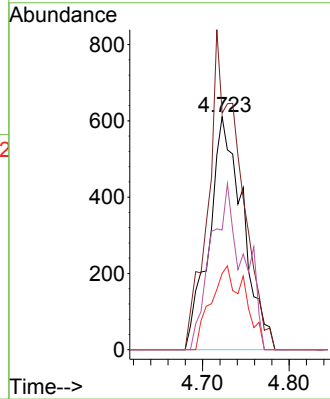


#20
Methylene Chloride
Concen: 14.596 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :

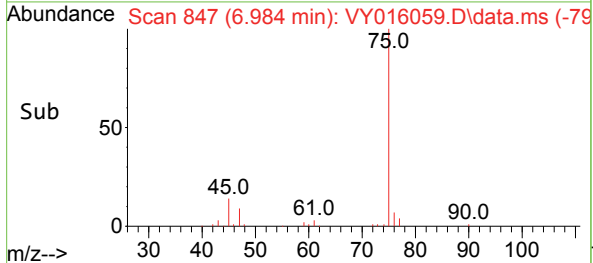
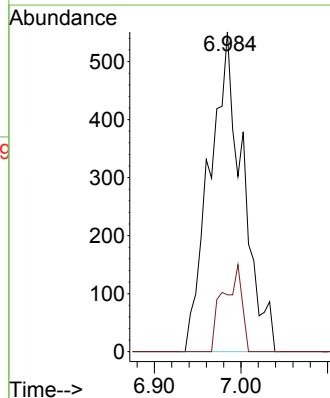
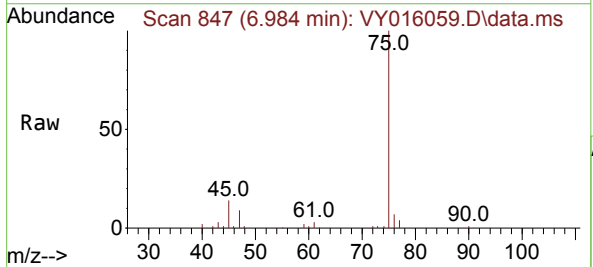


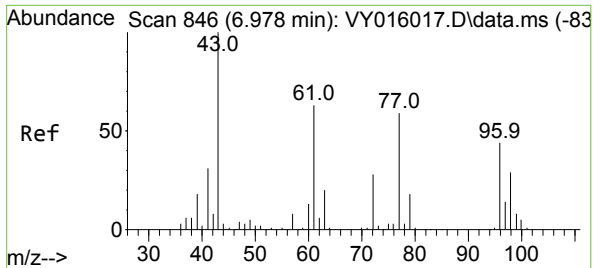
Tgt Ion:	84	Resp:	1652
Ion	Ratio	Lower	Upper
84	100		
49	101.5	106.9	160.3#
51	32.7	33.2	49.8#
86	51.4	51.0	76.6



#25
2-Butanone
Concen: 28.073 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Tgt Ion:	43	Resp:	1465
Ion	Ratio	Lower	Upper
43	100		
72	17.8	20.5	30.7#

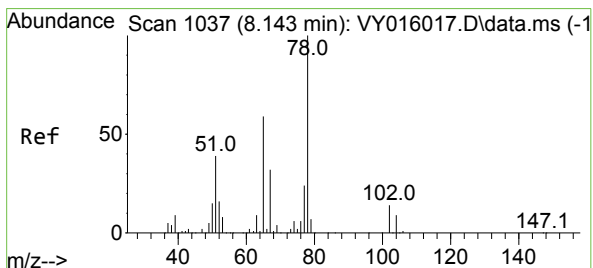
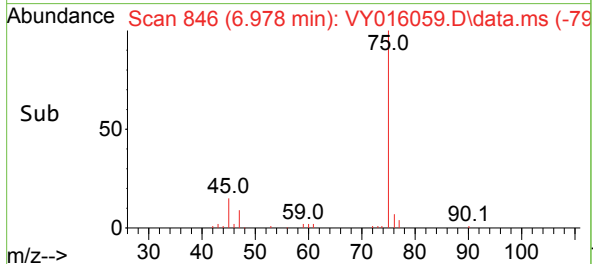
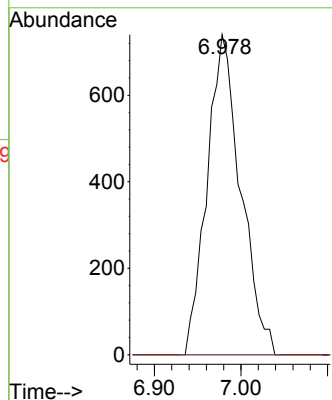
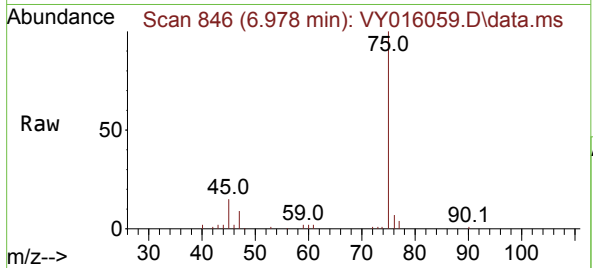




#26
2,2-Dichloropropane
Concen: 12.666 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

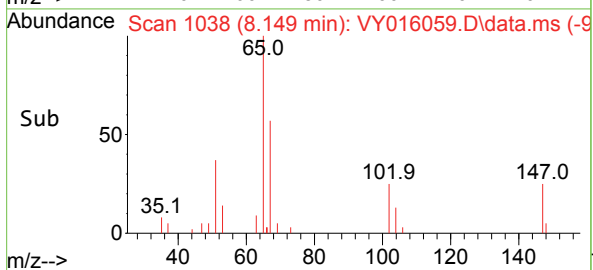
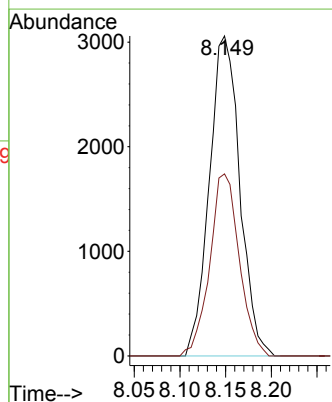
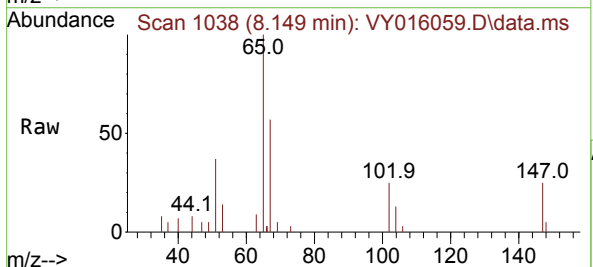
Instrument :
MSVOA_Y
ClientSampleId :

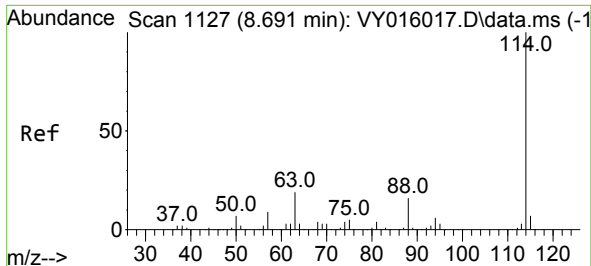
Tgt Ion: 77 Resp: 1997
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 69.050 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Tgt Ion: 65 Resp: 7097
Ion Ratio Lower Upper
65 100
67 55.1 0.0 101.8

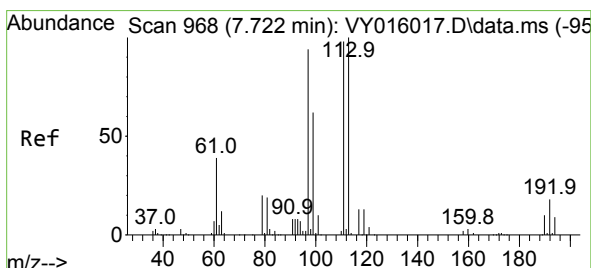
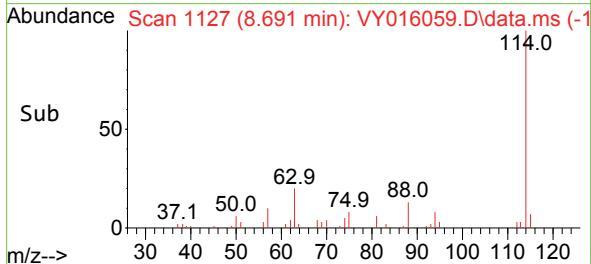
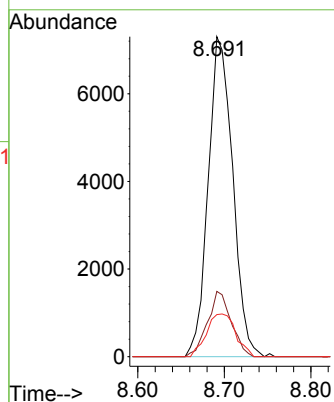
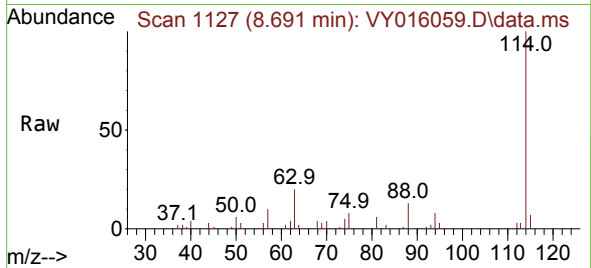




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

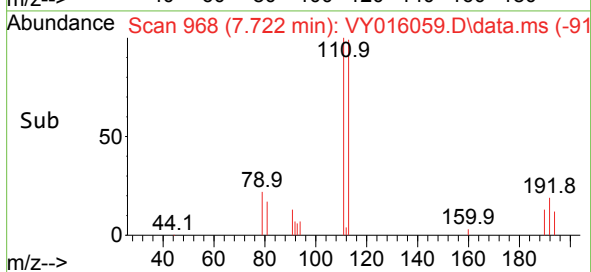
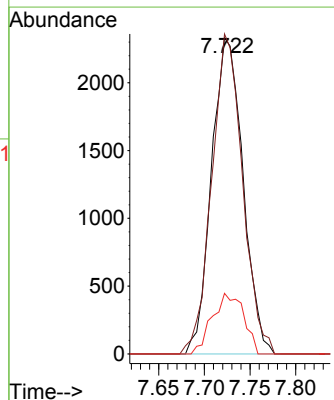
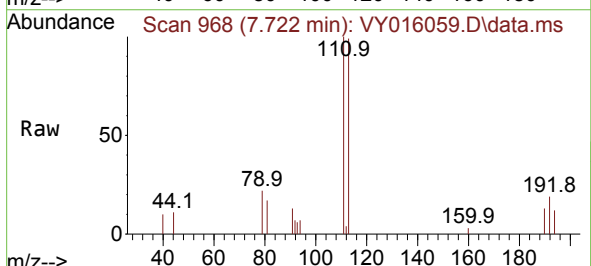
Instrument :
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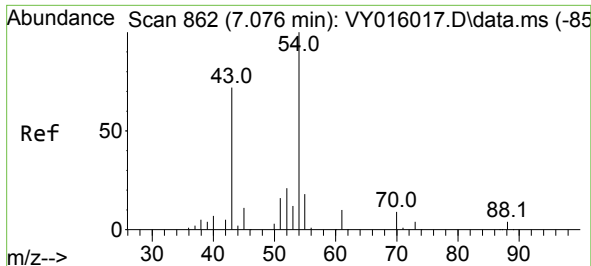
Tgt Ion:114 Resp: 14356
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 13.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 58.914 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Tgt Ion:113 Resp: 5567
Ion Ratio Lower Upper
113 100
111 99.1 81.3 121.9
192 19.2 16.9 25.3





#37

Ethyl Acetate

Concen: 14.296 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

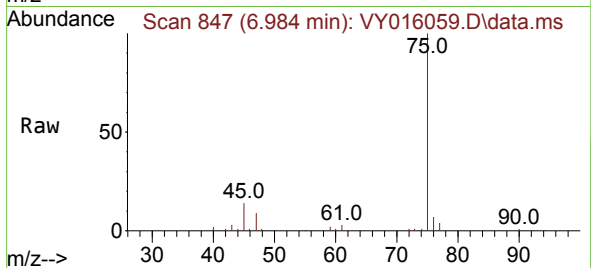
Lab File: VY016059.D

Acq: 20 Oct 2023 12:17

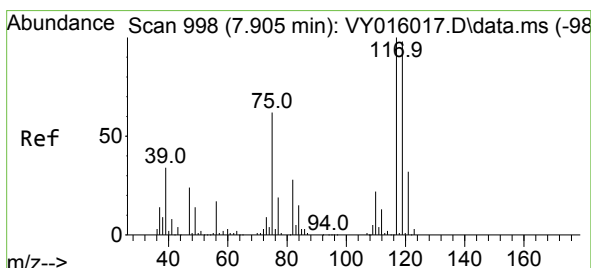
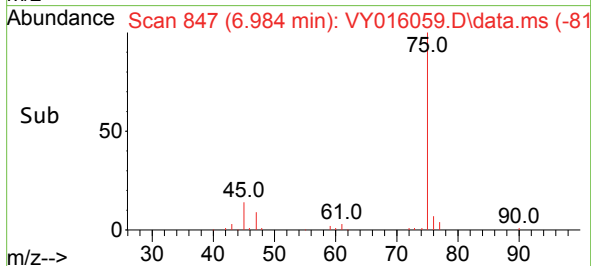
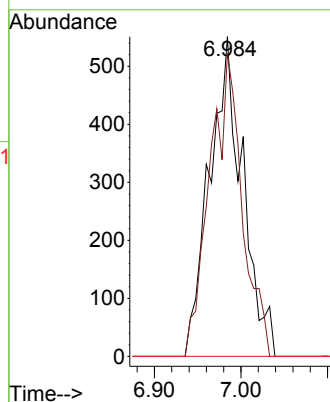
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1465
Ion	Ratio	Lower	Upper
43	100		
61	93.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.115 ug/l

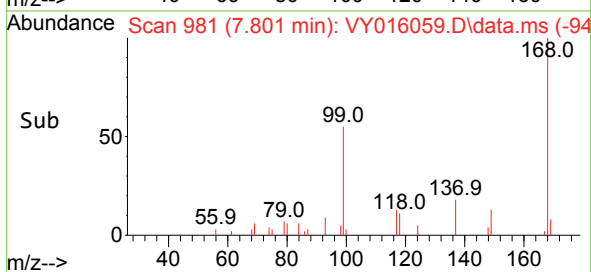
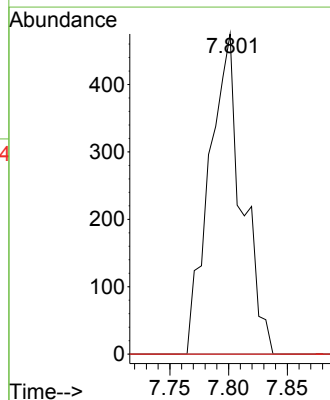
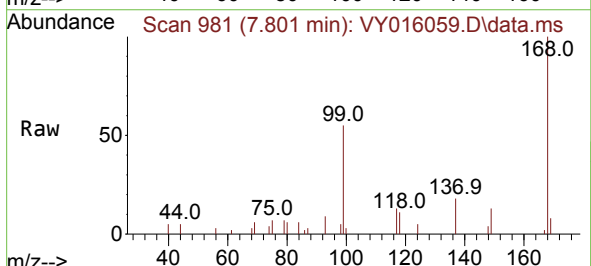
RT: 7.801 min Scan# 981

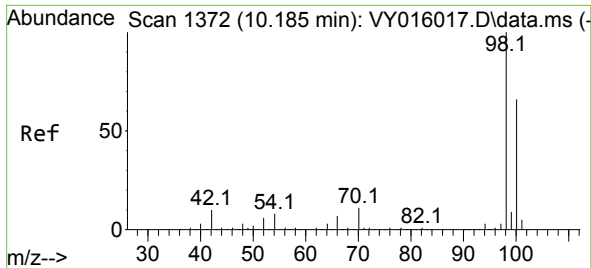
Delta R.T. -0.104 min

Lab File: VY016059.D

Acq: 20 Oct 2023 12:17

Tgt Ion:	117	Resp:	924
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	25.8	38.6#

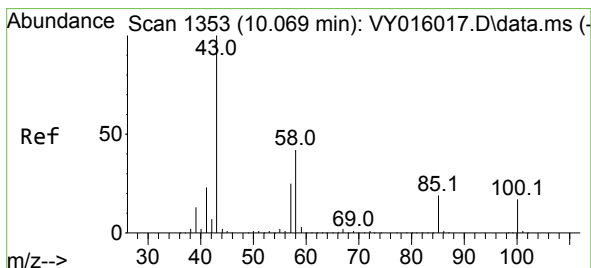
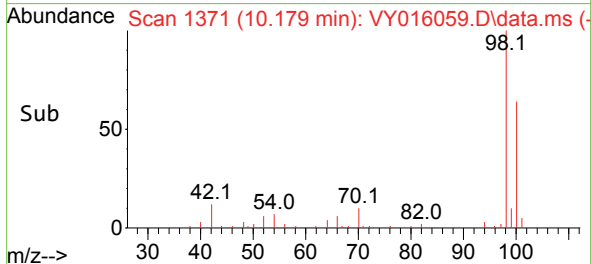
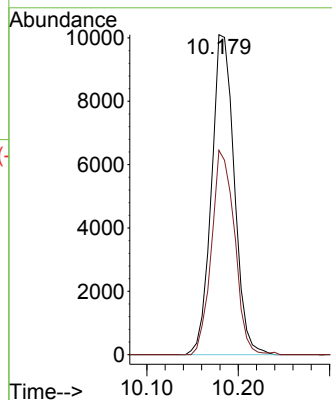
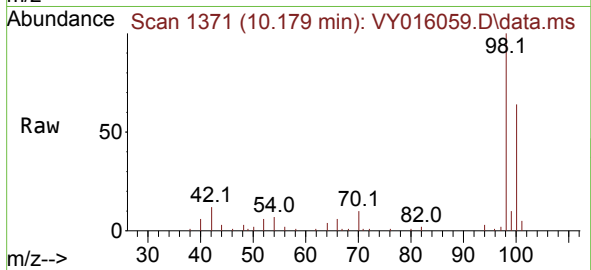




#50
Toluene-d8
Concen: 50.987 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

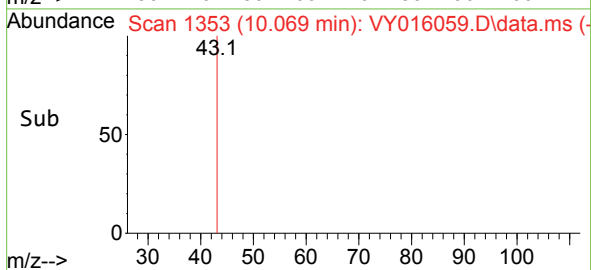
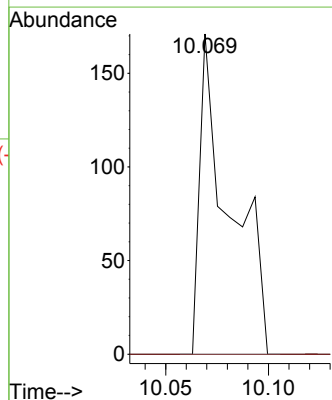
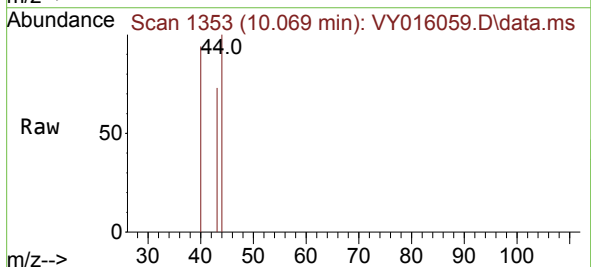
Instrument :
MSVOA_Y
ClientSampleId :

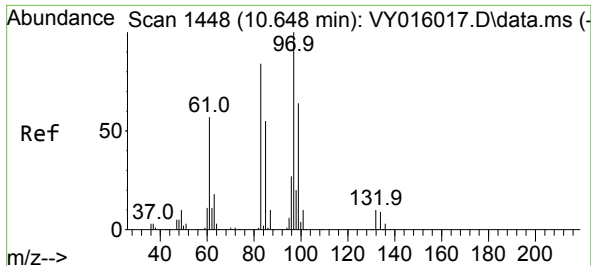
Tgt Ion: 98 Resp: 17498
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.689 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

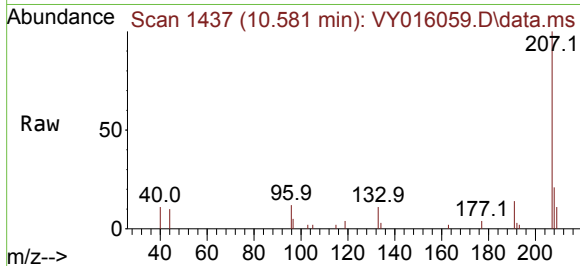
Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



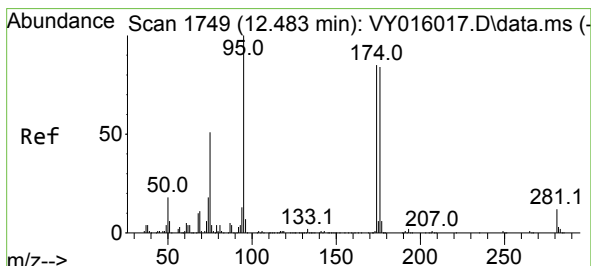
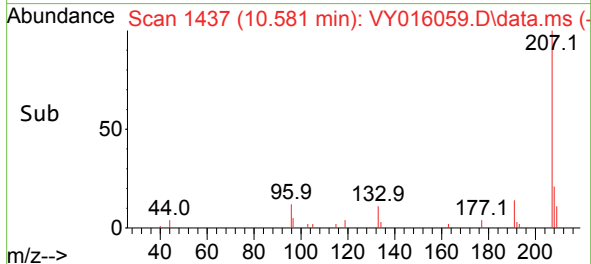
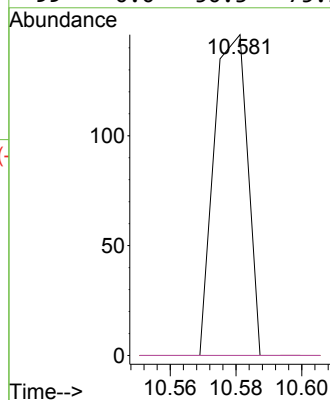


#55
1,1,2-Trichloroethane
Concen: 1.126 ug/l
RT: 10.581 min Scan# 1448
Delta R.T. -0.067 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :

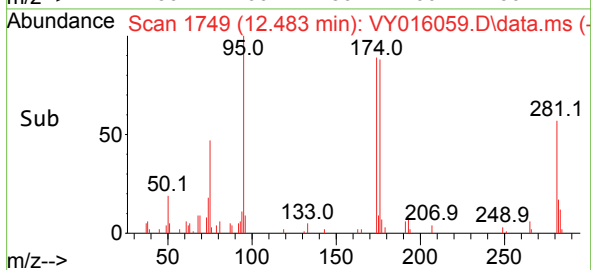
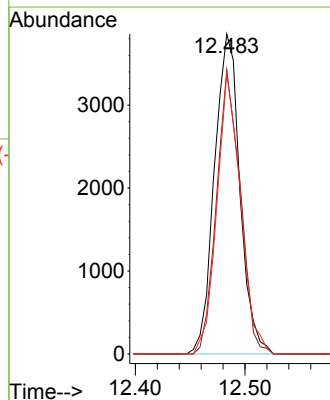
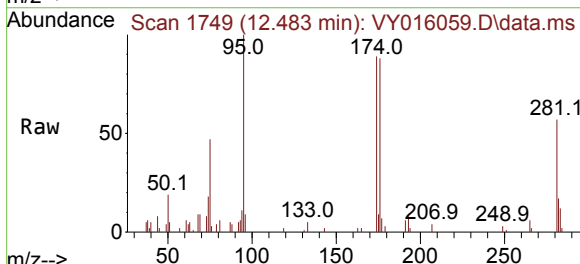


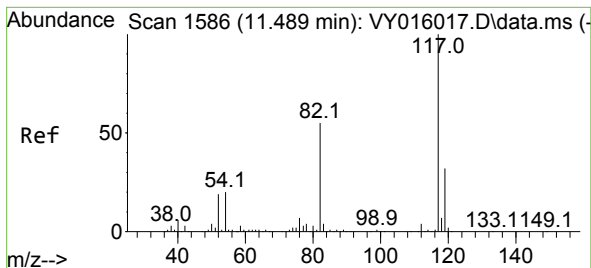
Tgt Ion: 97	Resp: 103
Ion Ratio	Lower Upper
97 100	
83 0.0	72.0 108.0#
85 0.0	45.4 68.0#
99 0.0	50.3 75.5#



#62
4-Bromofluorobenzene
Concen: 50.787 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Tgt Ion: 95	Resp: 6219
Ion Ratio	Lower Upper
95 100	
174 82.9	0.0 178.2
176 81.8	0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016059.D

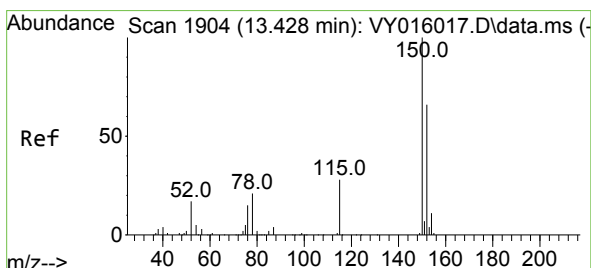
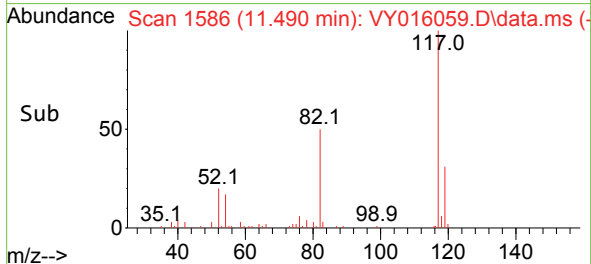
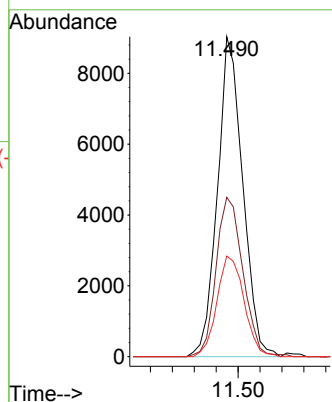
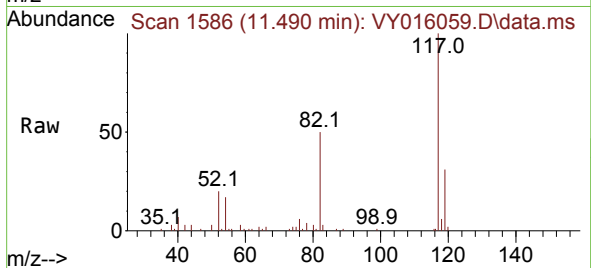
Acq: 20 Oct 2023 12:17

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	117	Resp:	14455
Ion Ratio	Lower	Upper	
117	100		
82	49.8	43.4	65.0
119	31.5	26.3	39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

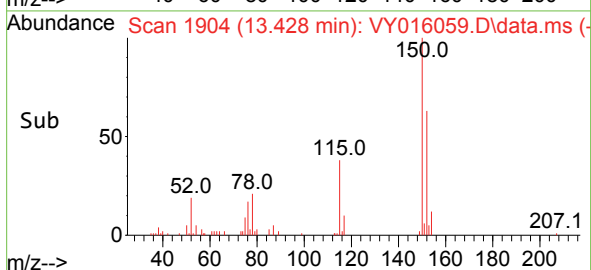
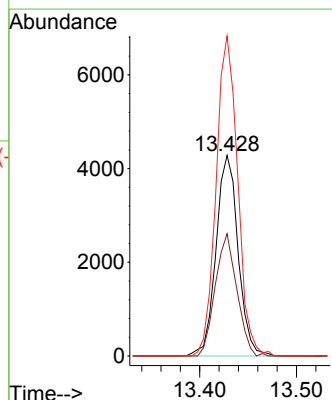
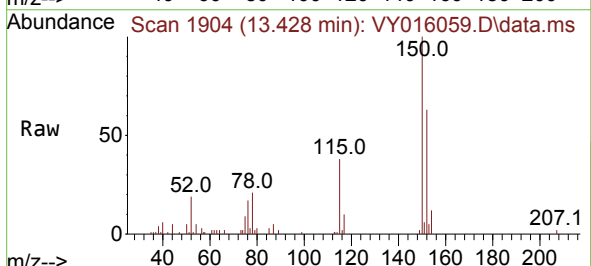
RT: 13.428 min Scan# 1904

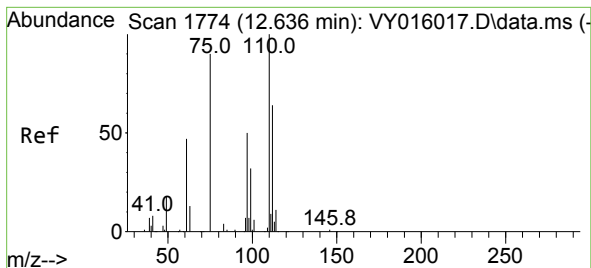
Delta R.T. 0.000 min

Lab File: VY016059.D

Acq: 20 Oct 2023 12:17

Tgt Ion:	152	Resp:	6777
Ion Ratio	Lower	Upper	
152	100		
115	59.5	28.8	86.5
150	156.0	0.0	348.8

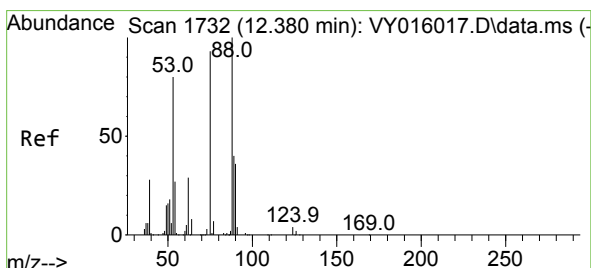
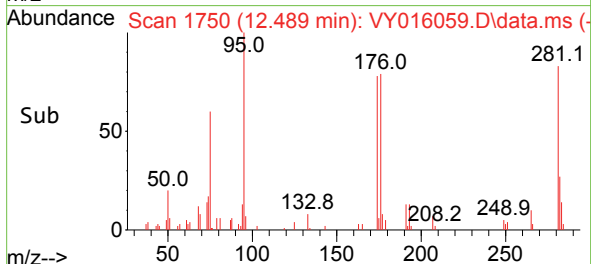
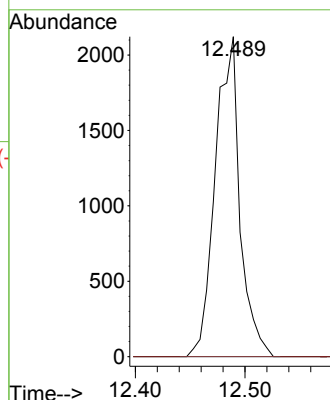
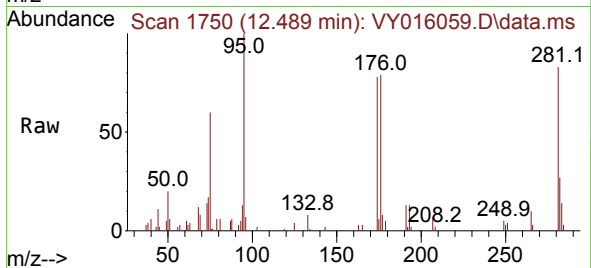




#76
1,2,3-Trichloropropane
Concen: 34.454 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

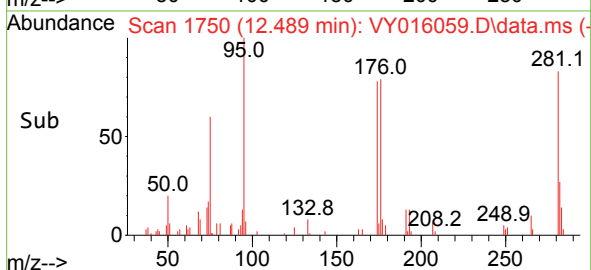
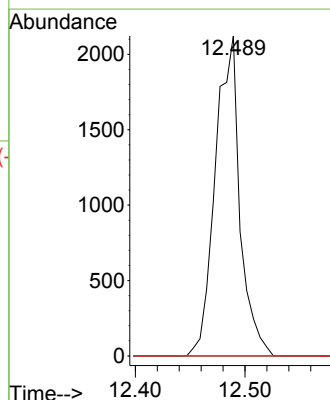
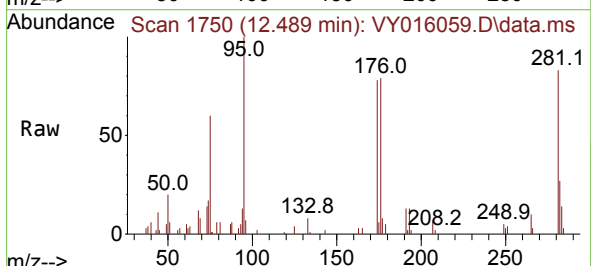
Instrument :
MSVOA_Y
ClientSampleId :

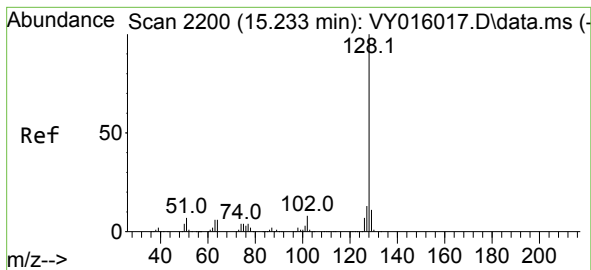
Tgt Ion: 75 Resp: 3306
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 75.209 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

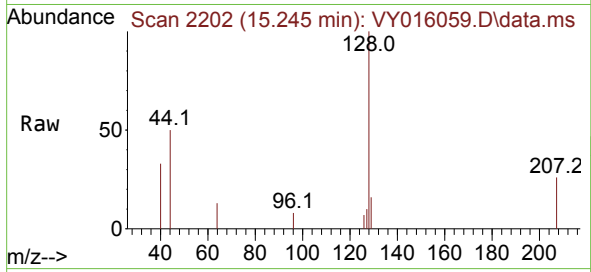
Tgt Ion: 75 Resp: 3306
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 4.548 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY016059.D
Acq: 20 Oct 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	1563
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.8	16.2#
129	14.4	8.6	13.0#

