

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017050.D
 Acq On : 19 Jan 2024 13:01
 Operator : SY/MD
 Sample : P1184-02
 Misc : 3.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-18.5-19.0

Quant Time: Jan 19 22:20:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

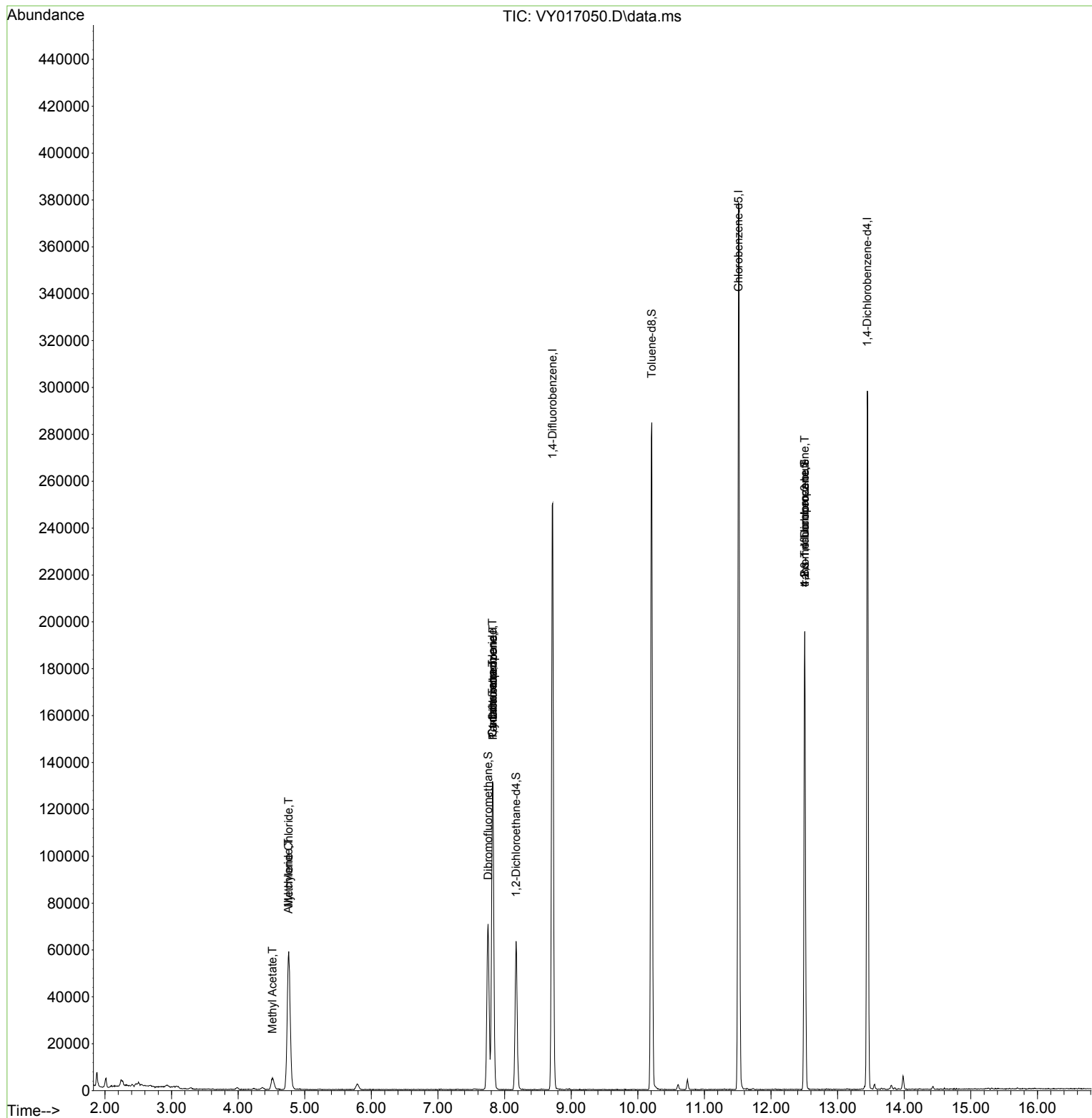
Internal Standards						
1) Pentafluorobenzene	7.825	168	102073	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	219262	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	209454	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	76806	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	47398	46.982	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.960%
35) Dibromofluoromethane	7.752	113	51620	36.945	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.880%
50) Toluene-d8	10.209	98	190697	39.635	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.260%
62) 4-Bromofluorobenzene	12.507	95	58686	36.153	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.009	59	22	Below Cal	#	75
14) Allyl chloride	4.753	41	1766	1.149	ug/l #	23
16) Acetone	3.985	43	1287	Below Cal		93
18) Methyl Acetate	4.515	43	10573	9.782	ug/l	96
20) Methylene Chloride	4.759	84	45904	32.176	ug/l	98
25) 2-Butanone	7.045	43	87	Below Cal	#	48
31) Cyclohexane	7.819	56	2415	1.395	ug/l #	13
36) 1,1-Dichloropropene	7.825	75	8315	4.083	ug/l #	50
38) Carbon Tetrachloride	7.819	117	10084	4.874	ug/l #	15
76) 1,2,3-Trichloropropane	12.507	75	31546	37.848	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.507	75	31546	85.944	ug/l #	12

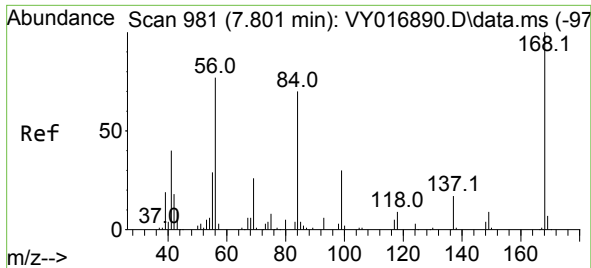
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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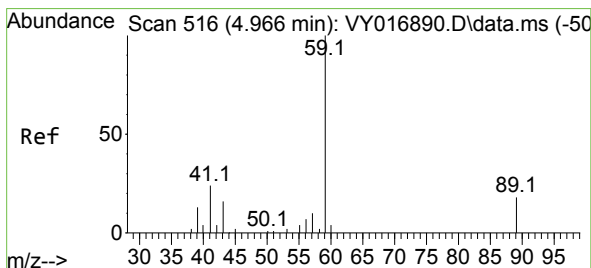
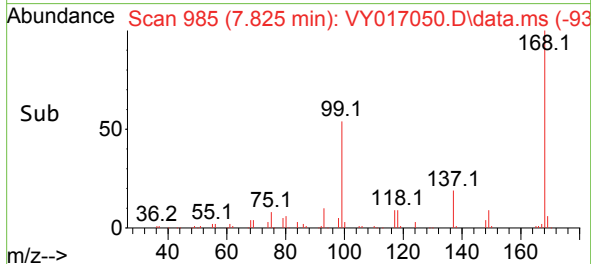
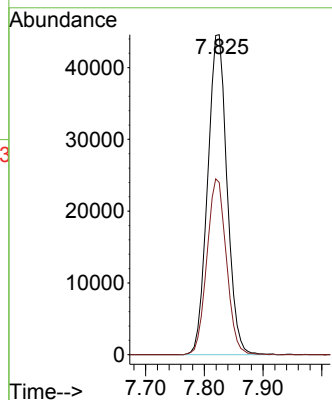
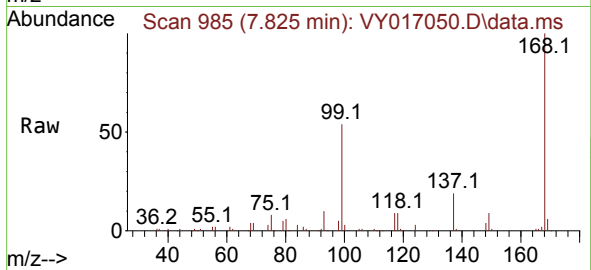




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

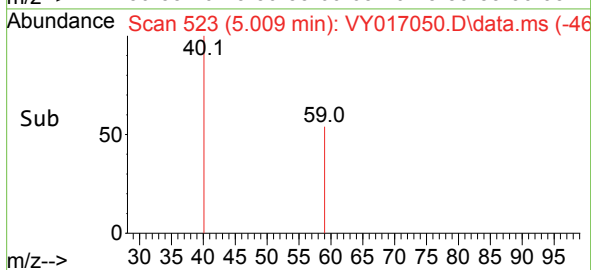
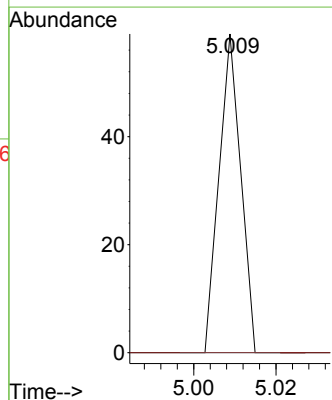
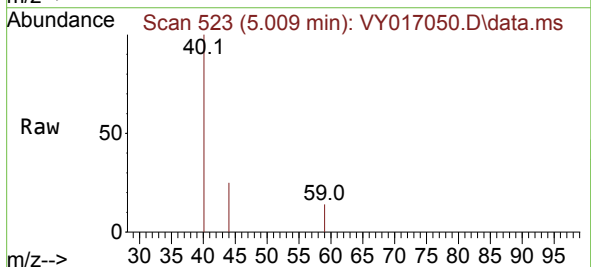
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

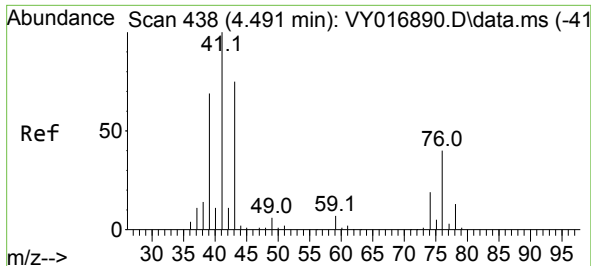
Tgt Ion:168 Resp: 102073
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.009 min Scan# 523
Delta R.T. 0.043 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

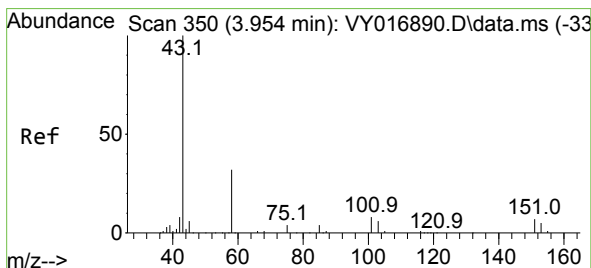
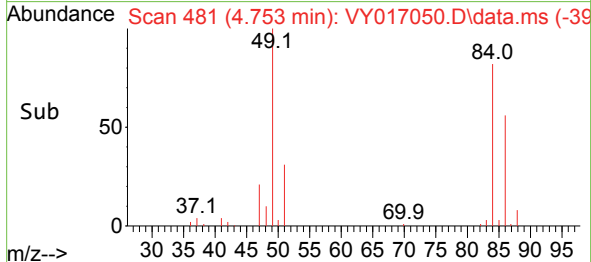
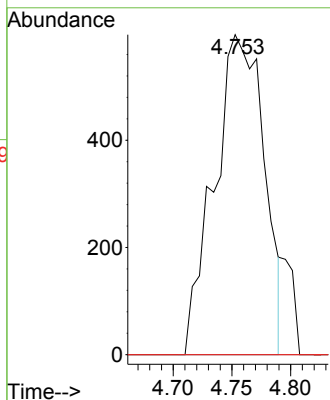
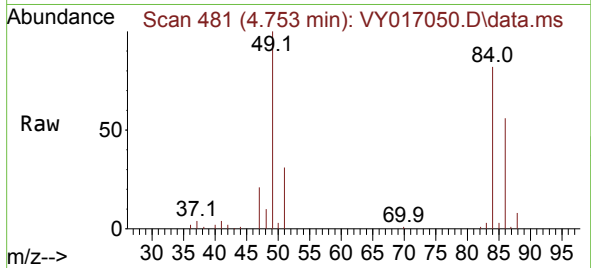




#14
 Allyl chloride
 Concen: 1.149 ug/l
 RT: 4.753 min Scan# 41
 Delta R.T. 0.256 min
 Lab File: VY017050.D
 Acq: 19 Jan 2024 13:01

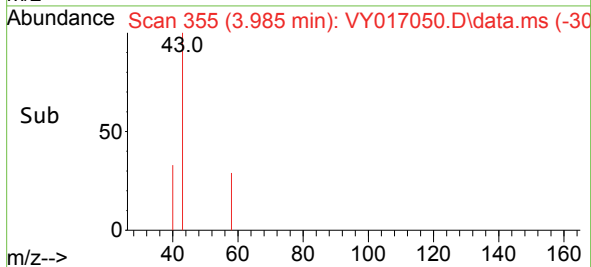
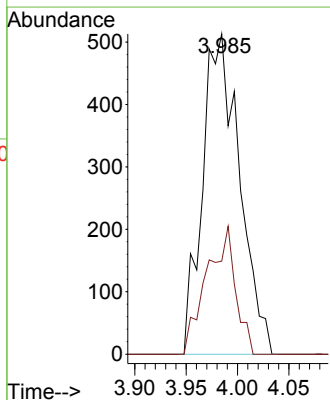
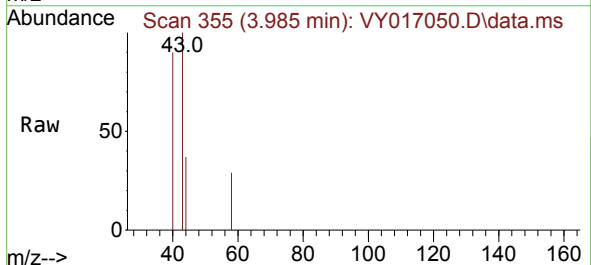
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-18.5-19.0

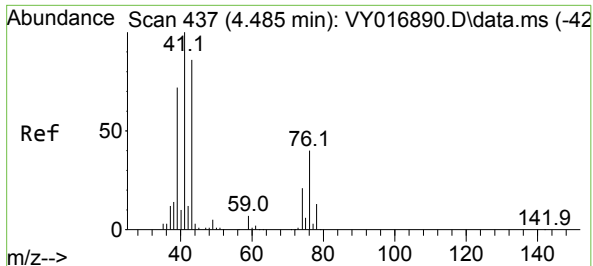
Tgt Ion: 41 Resp: 1766
 Ion Ratio Lower Upper
 41 100
 39 0.0 54.7 82.1#
 76 0.0 31.8 47.6#



#16
 Acetone
 Concen: Below Cal
 RT: 3.985 min Scan# 355
 Delta R.T. 0.025 min
 Lab File: VY017050.D
 Acq: 19 Jan 2024 13:01

Tgt Ion: 43 Resp: 1287
 Ion Ratio Lower Upper
 43 100
 58 29.0 26.6 39.8

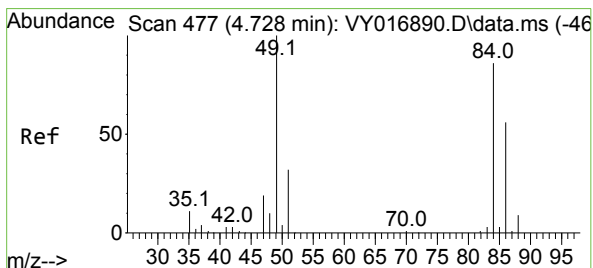
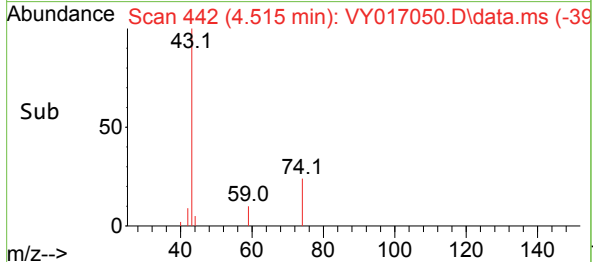
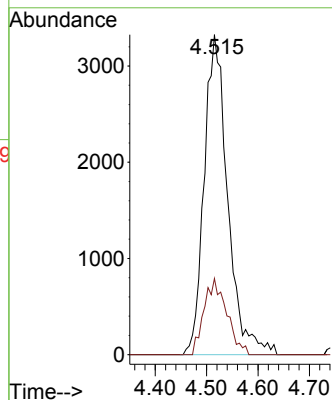
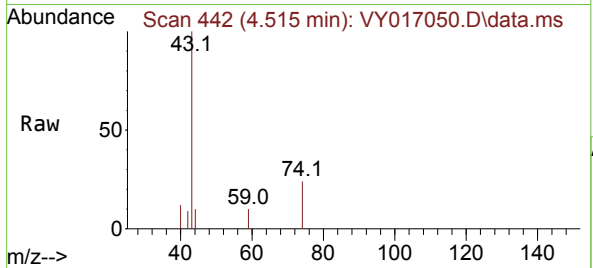




#18
Methyl Acetate
Concen: 9.782 ug/l
RT: 4.515 min Scan# 442
Delta R.T. 0.018 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

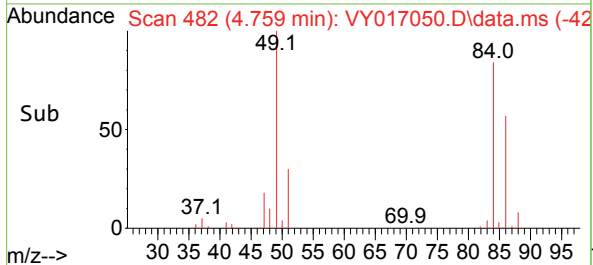
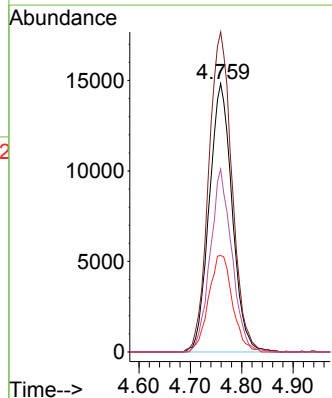
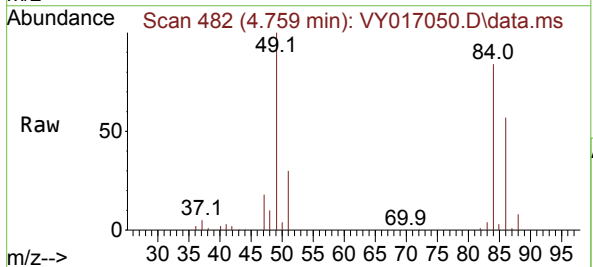
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

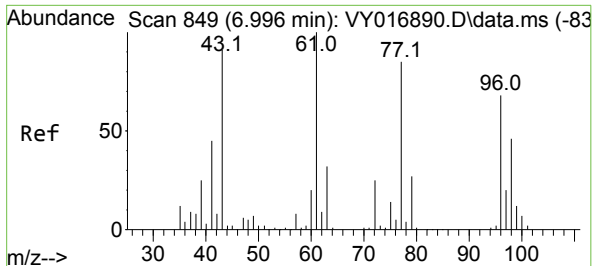
Tgt Ion: 43 Resp: 10573
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.6



#20
Methylene Chloride
Concen: 32.176 ug/l
RT: 4.759 min Scan# 482
Delta R.T. 0.025 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Tgt Ion: 84 Resp: 45904
Ion Ratio Lower Upper
84 100
49 119.3 95.2 142.8
51 36.0 29.9 44.9
86 68.2 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 7.045 min Scan# 81

Delta R.T. 0.049 min

Lab File: VY017050.D

Acq: 19 Jan 2024 13:01

Instrument :

MSVOA_Y

ClientSampleId :

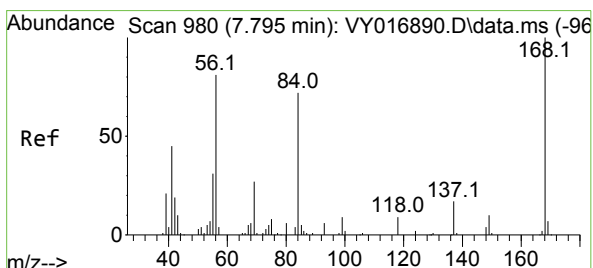
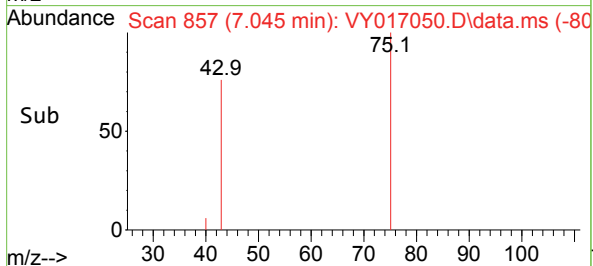
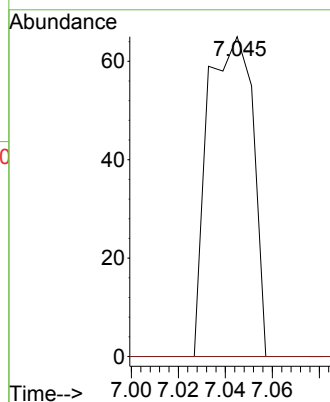
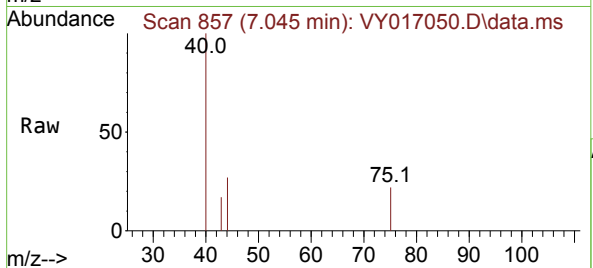
SB-4-18.5-19.0

Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 7.819 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY017050.D

Acq: 19 Jan 2024 13:01

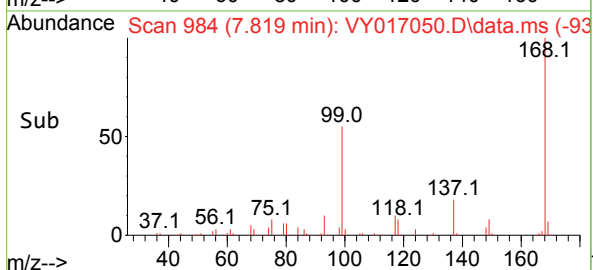
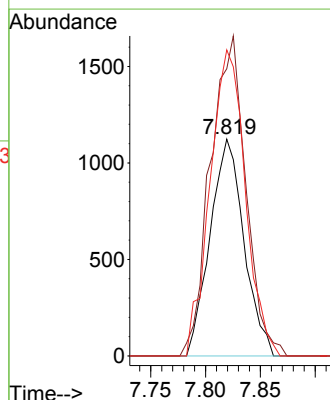
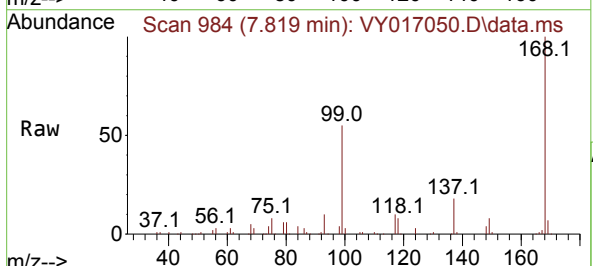
Tgt Ion: 56 Resp: 2415

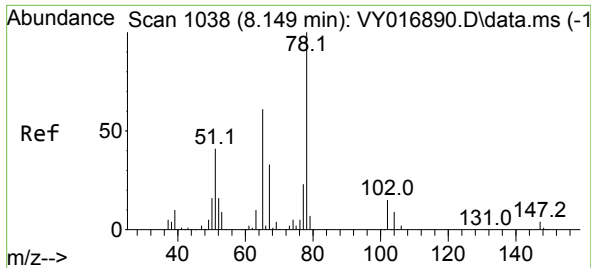
Ion Ratio Lower Upper

56 100

69 132.5 27.0 40.6#

84 141.2 71.8 107.6#

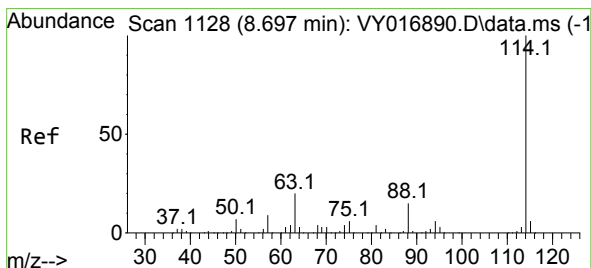
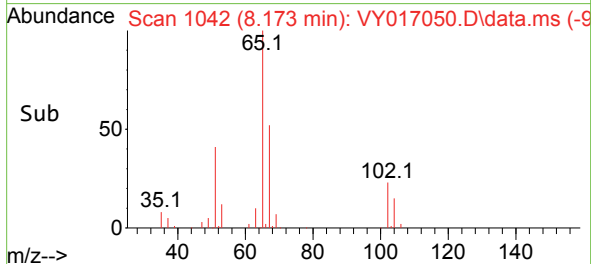
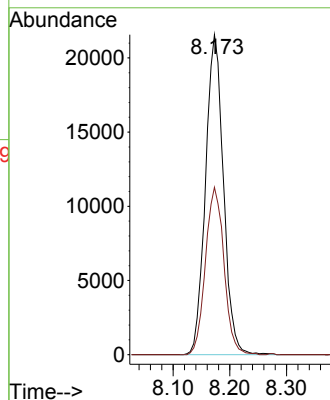
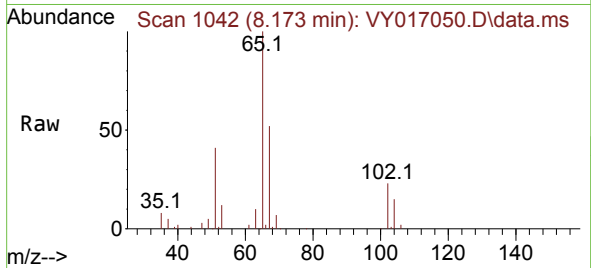




#33
1,2-Dichloroethane-d4
Concen: 46.982 ug/l
RT: 8.173 min Scan# 1103
Delta R.T. 0.018 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

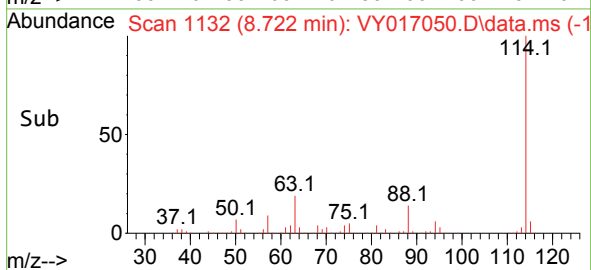
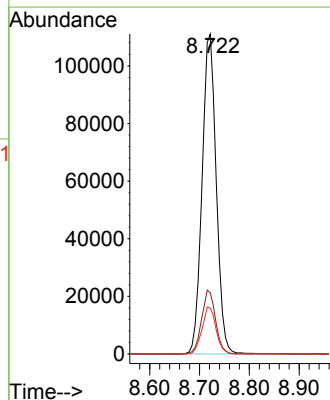
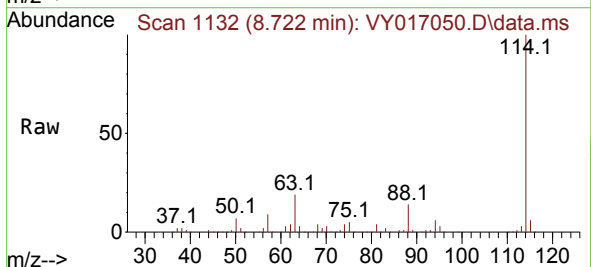
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

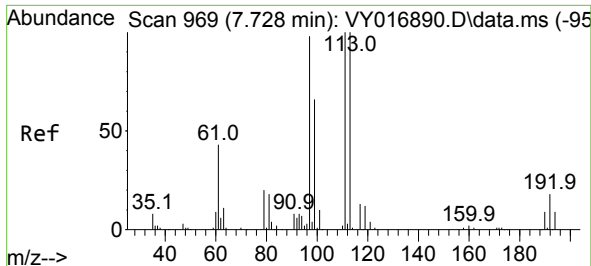
Tgt Ion: 65 Resp: 47398
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.722 min Scan# 1132
Delta R.T. 0.019 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Tgt Ion:114 Resp: 219262
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.4
88 14.3 0.0 29.0

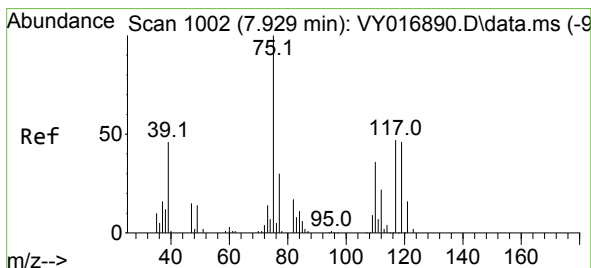
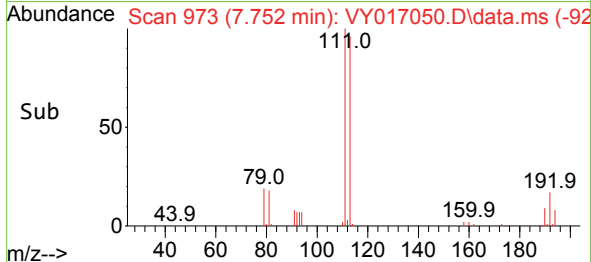
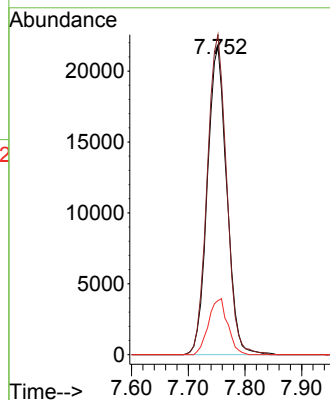
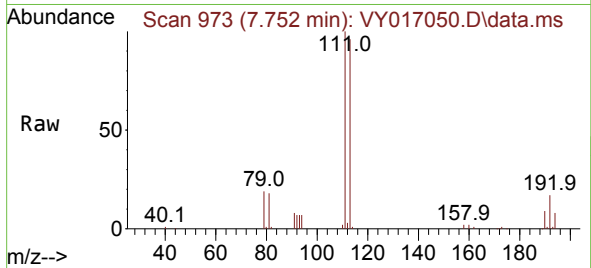




#35
Dibromofluoromethane
Concen: 36.945 ug/l
RT: 7.752 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

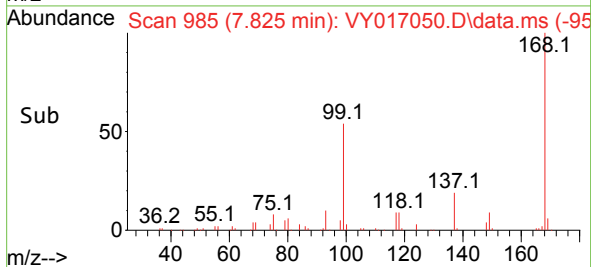
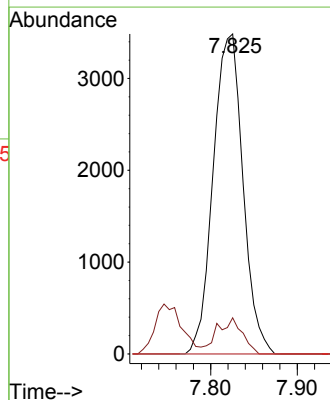
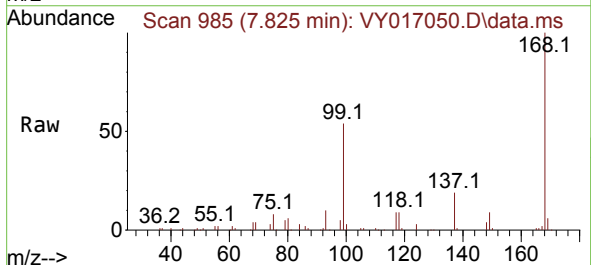
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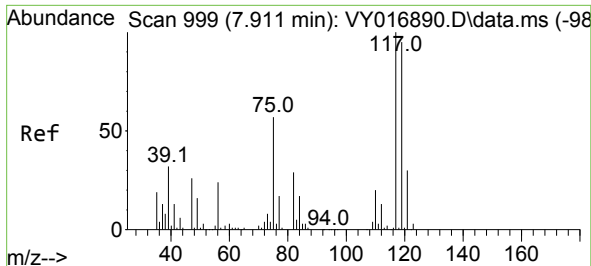
Tgt Ion:113 Resp: 51620
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 18.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.083 ug/l
RT: 7.825 min Scan# 985
Delta R.T. -0.104 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

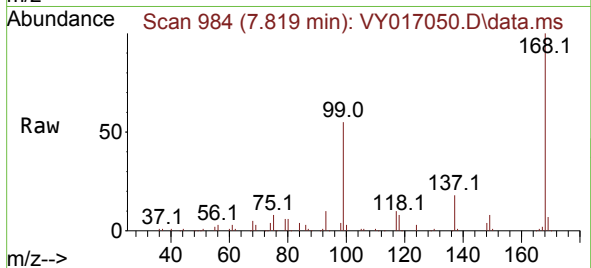
Tgt Ion: 75 Resp: 8315
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.7 37.1#



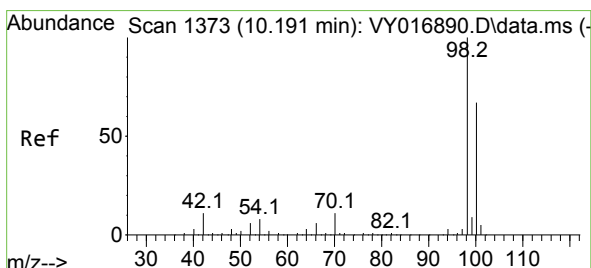
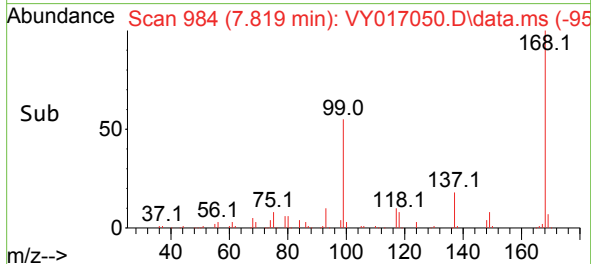
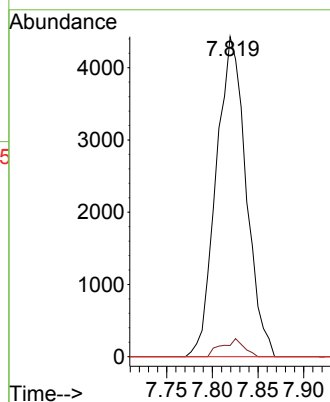


#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

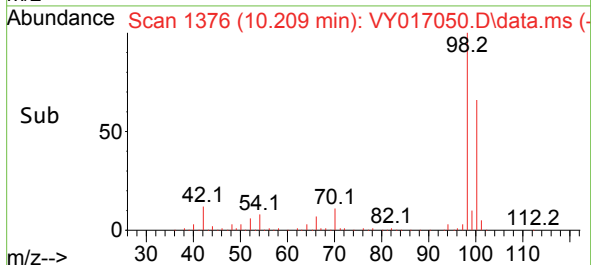
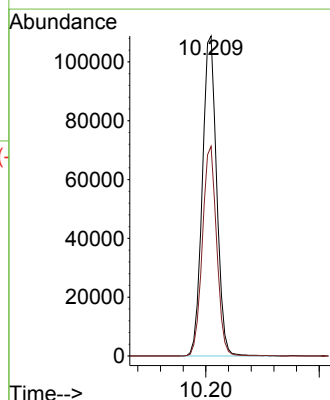
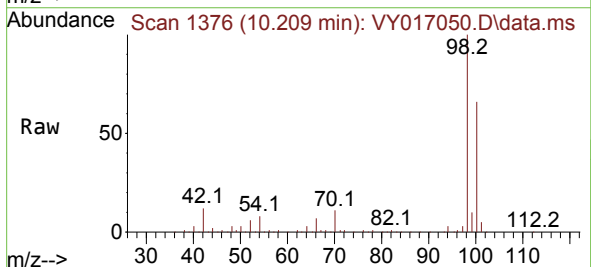


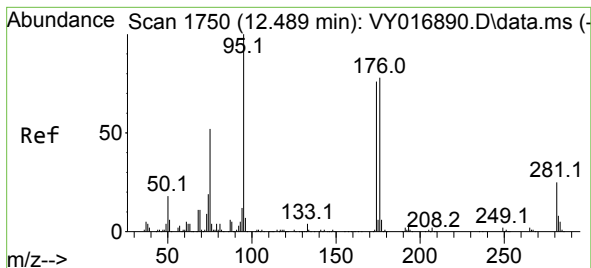
Tgt Ion:117 Resp: 10084
Ion Ratio Lower Upper
117 100
119 3.5 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 39.635 ug/l
RT: 10.209 min Scan# 1376
Delta R.T. 0.018 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Tgt Ion: 98 Resp: 190697
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

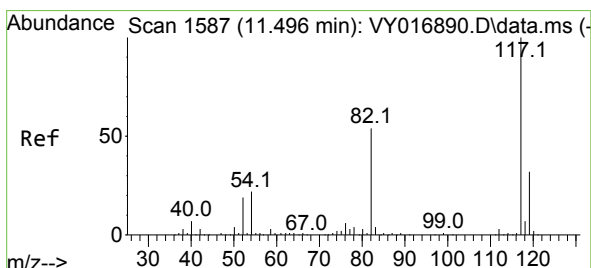
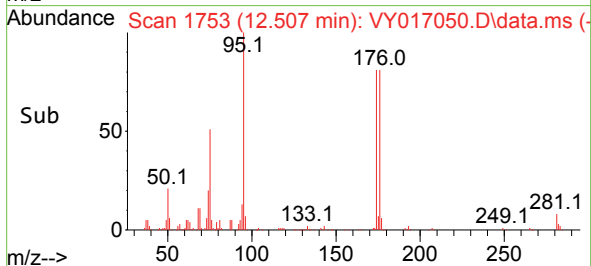
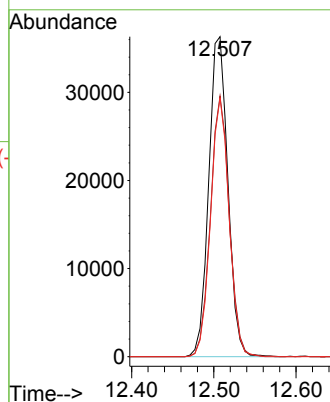
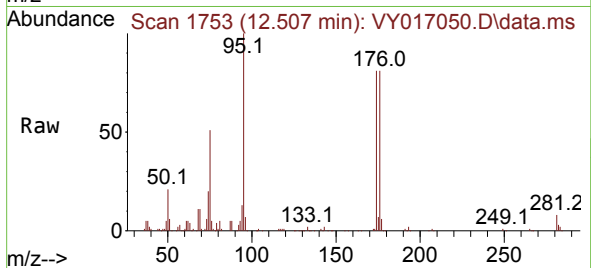




#62
4-Bromofluorobenzene
Concen: 36.153 ug/l
RT: 12.507 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

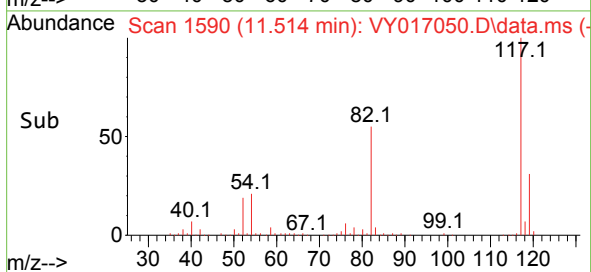
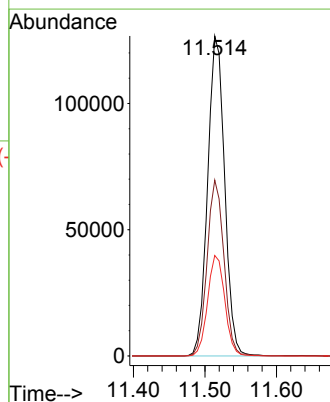
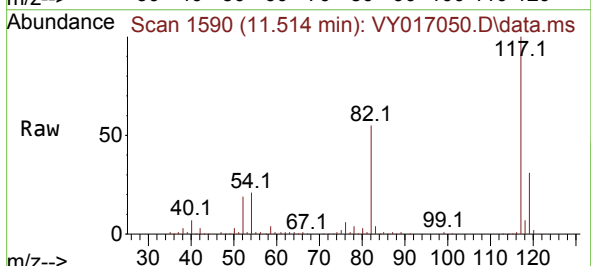
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

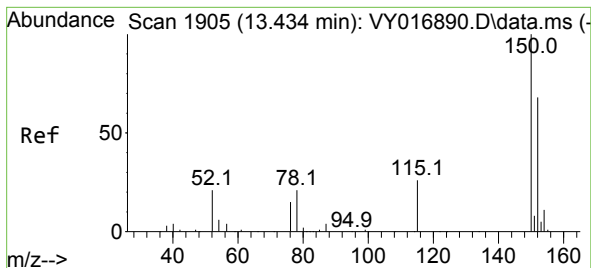
Tgt Ion:	95	Resp:	58686
Ion Ratio	Lower	Upper	
95	100		
174	80.3	0.0	160.0
176	78.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

Tgt Ion:	117	Resp:	209454
Ion Ratio	Lower	Upper	
117	100		
82	55.0	43.8	65.8
119	31.4	26.5	39.7

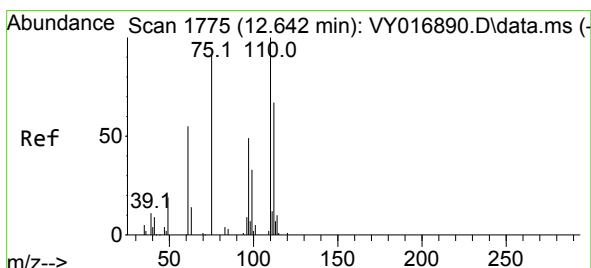
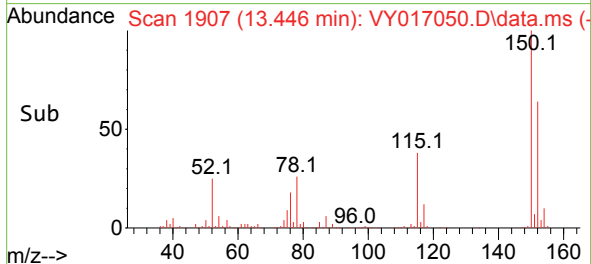
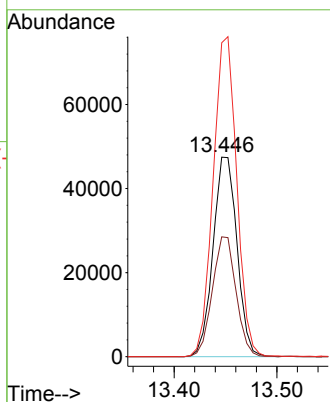
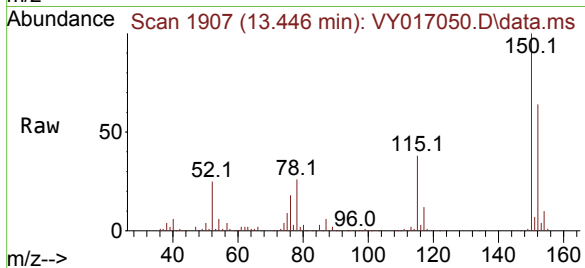




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

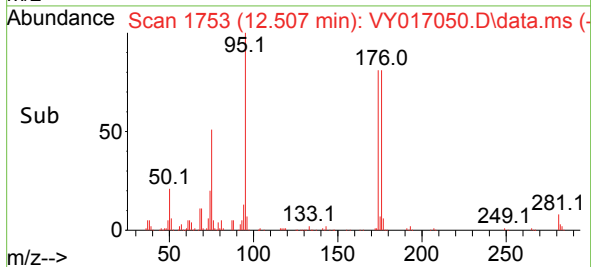
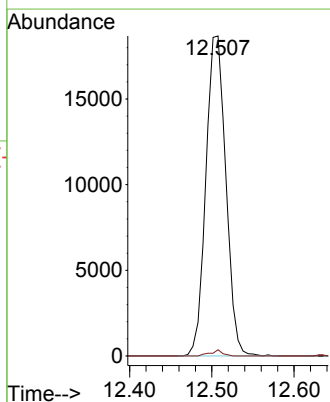
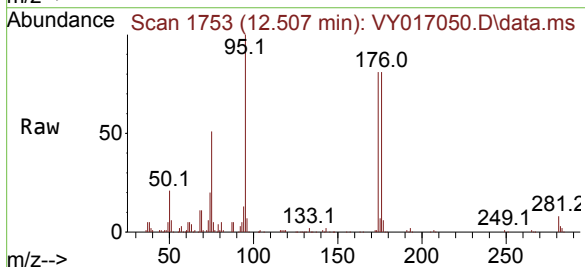
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-18.5-19.0

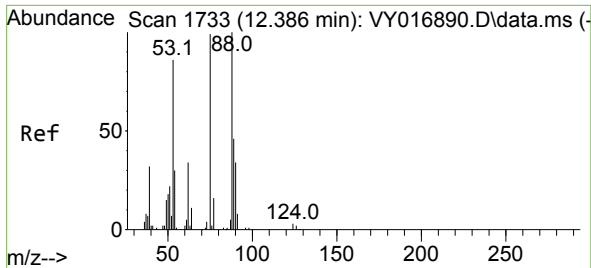
Tgt Ion:152 Resp: 76806
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 158.1 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 37.848 ug/l
RT: 12.507 min Scan# 1753
Delta R.T. -0.135 min
Lab File: VY017050.D
Acq: 19 Jan 2024 13:01

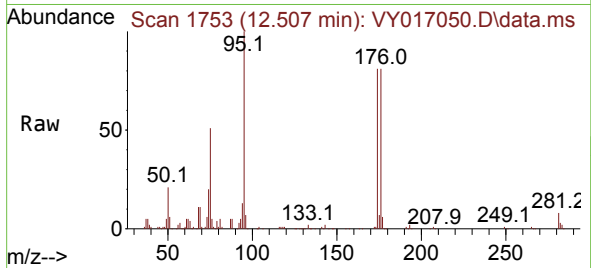
Tgt Ion: 75 Resp: 31546
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.944 ug/l
 RT: 12.507 min Scan# 11
 Delta R.T. 0.122 min
 Lab File: VY017050.D
 Acq: 19 Jan 2024 13:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-18.5-19.0



Tgt Ion: 75 Resp: 31546
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

