

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013317.D
 Acq On : 14 Apr 2023 14:34
 Operator : KP/MD
 Sample : 02306-01
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230230-9-4

Quant Time: Apr 17 02:11:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

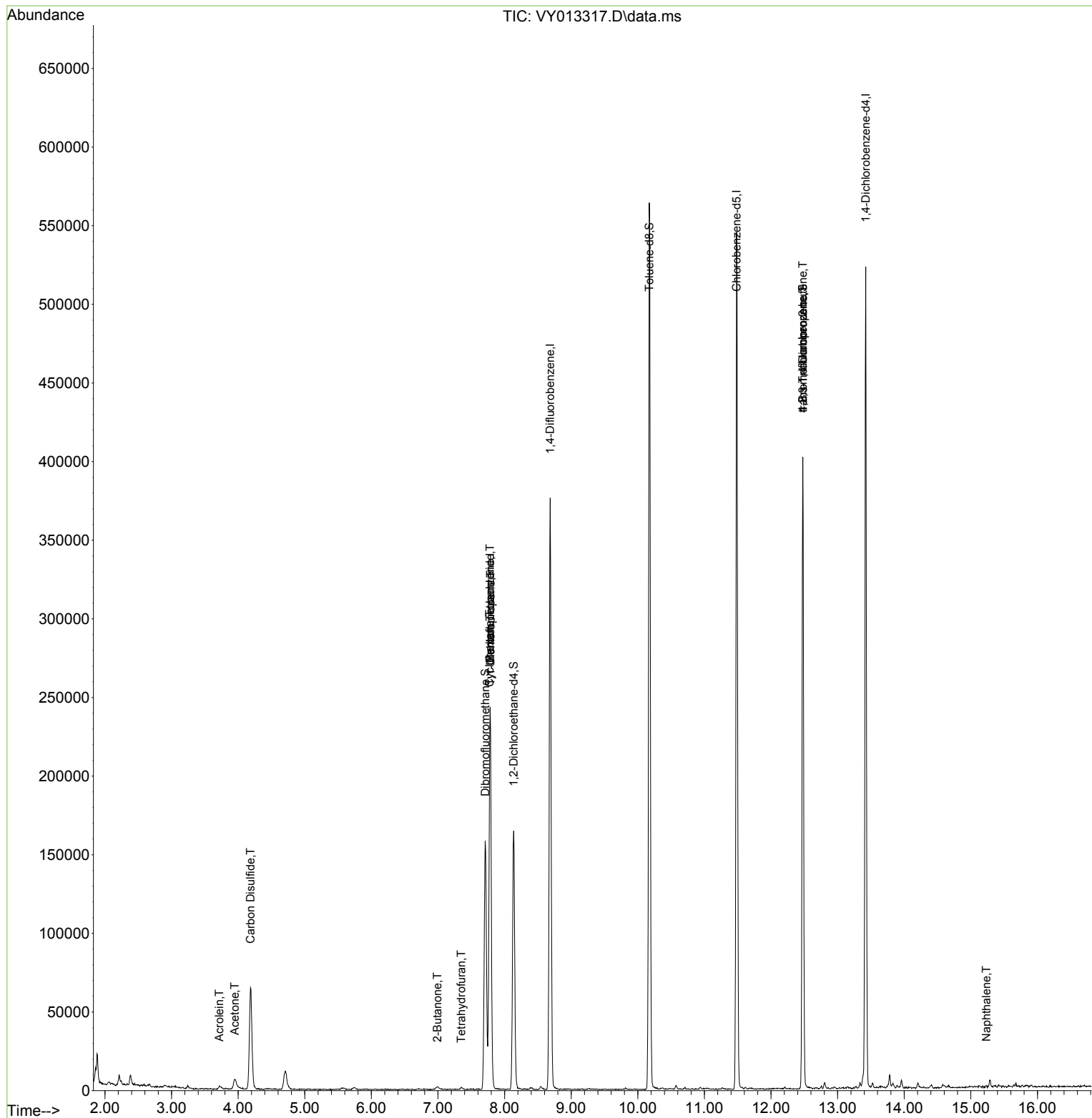
Internal Standards						
1) Pentafluorobenzene	7.782	168	191073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	287143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130009	56.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.240%
35) Dibromofluoromethane	7.709	113	111409	55.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.240%
50) Toluene-d8	10.172	98	383025	50.909	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.477	95	117901	48.230	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	171	Below Cal	#	74
13) Acrolein	3.716	56	2475	8.774	ug/l #	54
16) Acetone	3.948	43	13621	17.252	ug/l	97
17) Carbon Disulfide	4.186	76	131412	22.200	ug/l	98
20) Methylene Chloride	4.710	84	8255	Below Cal	#	85
25) 2-Butanone	6.990	43	1489	1.473	ug/l #	87
29) Tetrahydrofuran	7.350	42	863	1.406	ug/l #	63
31) Cyclohexane	7.776	56	4405	1.269	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	14867	4.855	ug/l #	49
38) Carbon Tetrachloride	7.782	117	18652	5.509	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	62834	38.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62834	79.988	ug/l #	13
95) Naphthalene	15.232	128	681	3.315	ug/l #	90

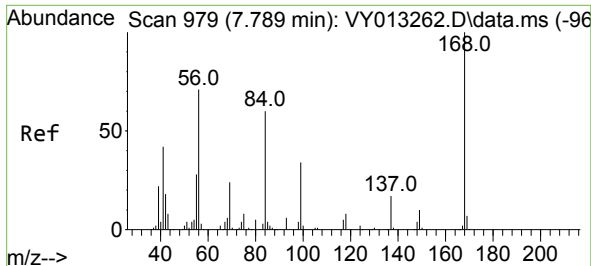
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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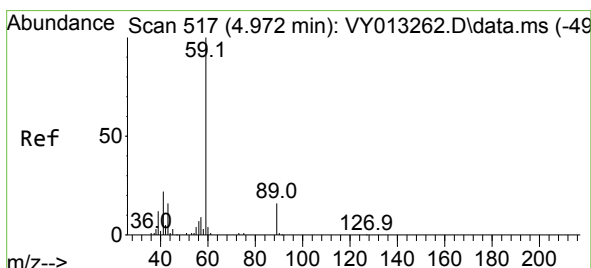
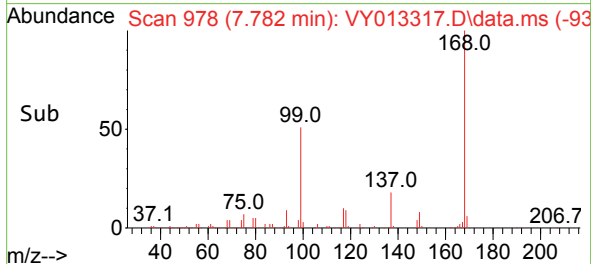
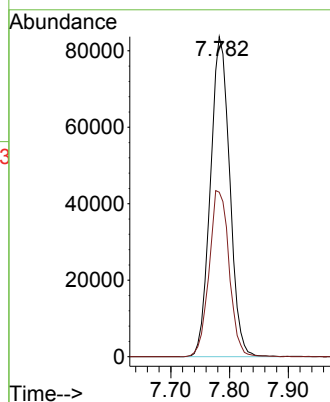
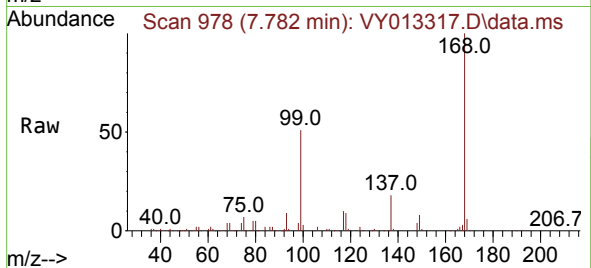




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

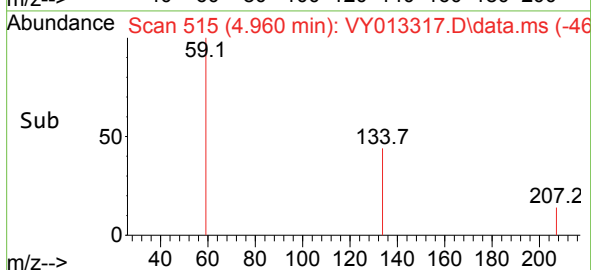
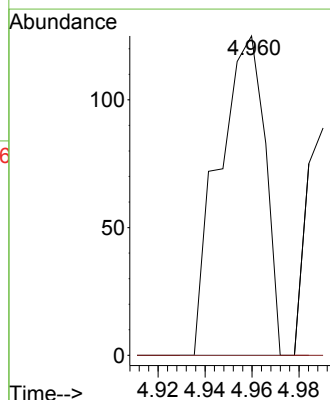
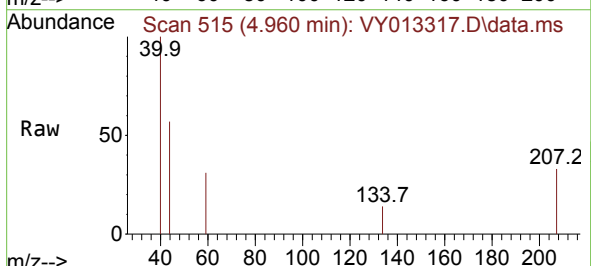
Instrument :
MSVOA_Y
ClientSampleId :
20230230-9-4

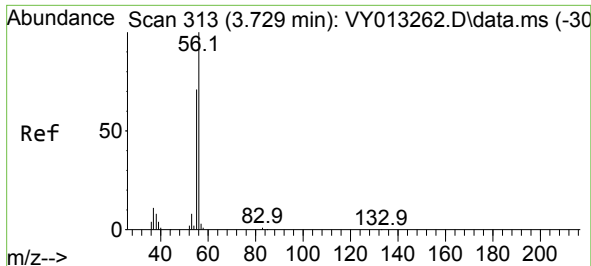
Tgt Ion:168 Resp: 191073
Ion Ratio Lower Upper
168 100
99 51.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

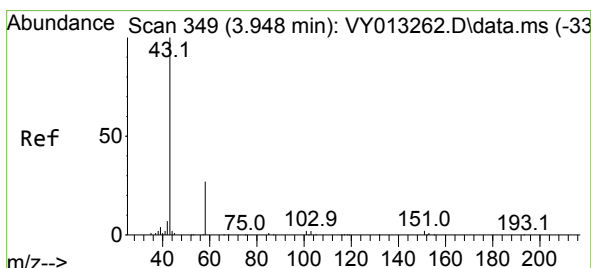
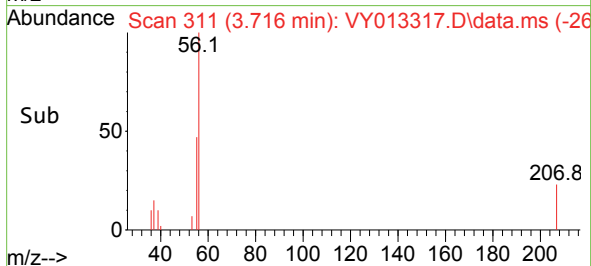
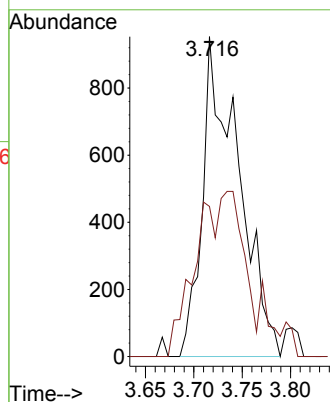
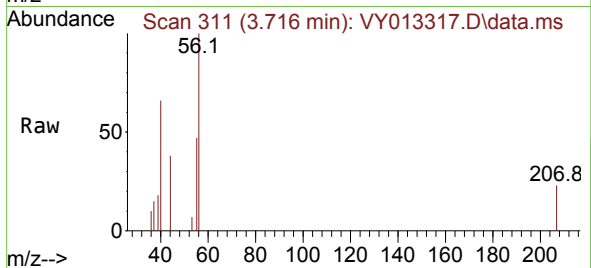




#13
Acrolein
Concen: 8.774 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.013 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

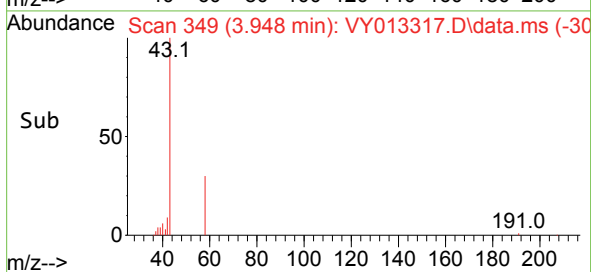
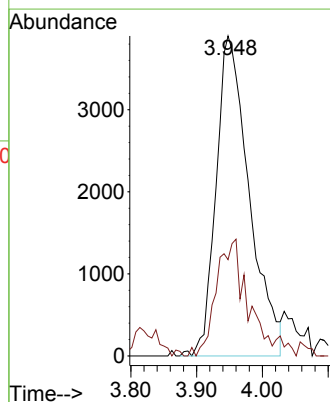
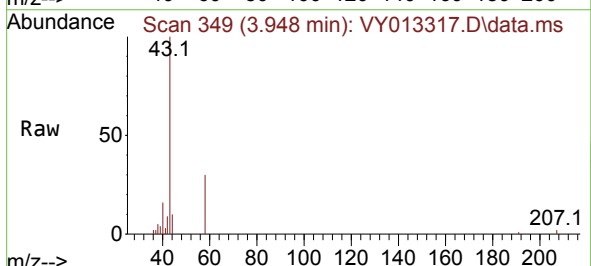
Instrument :
MSVOA_Y
ClientSampleId :
20230230-9-4

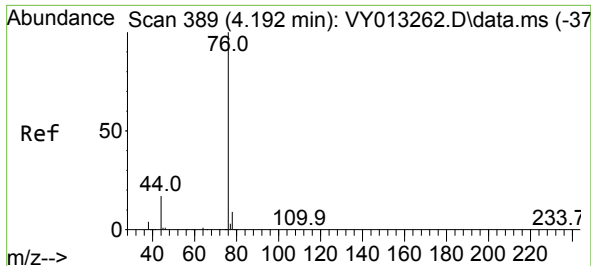
Tgt Ion: 56 Resp: 2475
Ion Ratio Lower Upper
56 100
55 32.6 56.8 85.2#



#16
Acetone
Concen: 17.252 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.001 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 43 Resp: 13621
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.2

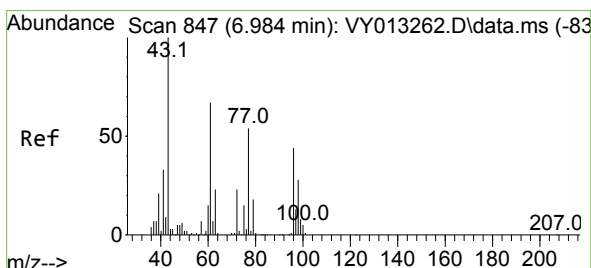
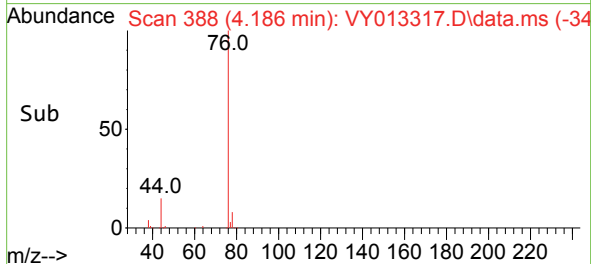
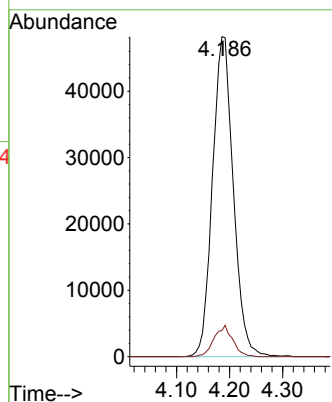
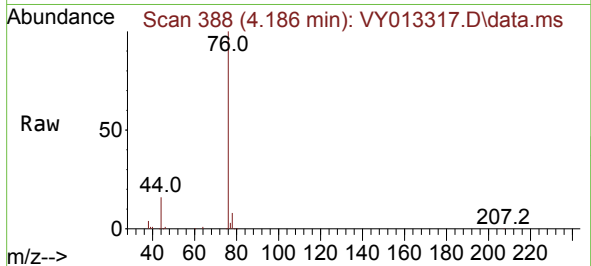




#17
Carbon Disulfide
Concen: 22.200 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

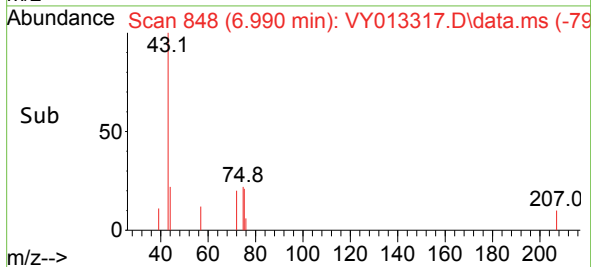
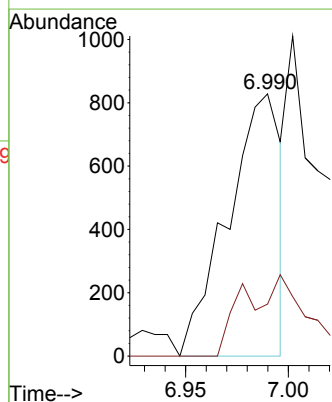
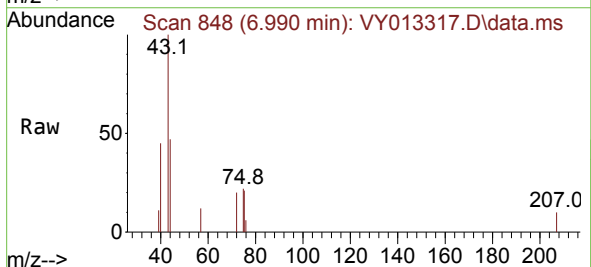
Instrument :
MSVOA_Y
ClientSampleId :
20230230-9-4

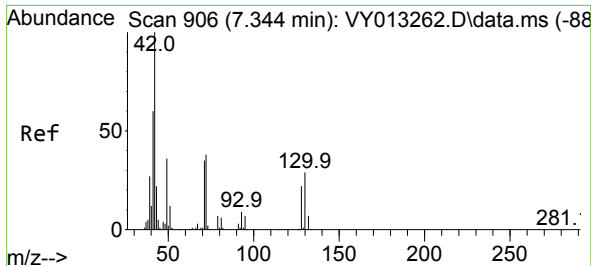
Tgt Ion: 76 Resp: 131412
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#25
2-Butanone
Concen: 1.473 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
72 19.8 21.0 31.4#





#29

Tetrahydrofuran

Concen: 1.406 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013317.D

Acq: 14 Apr 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

20230230-9-4

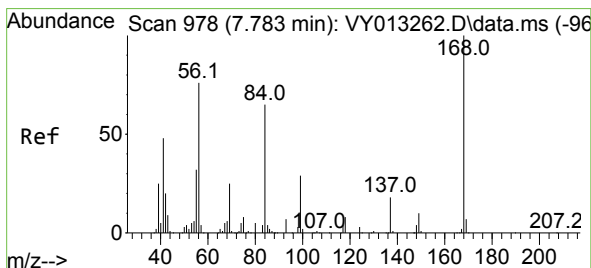
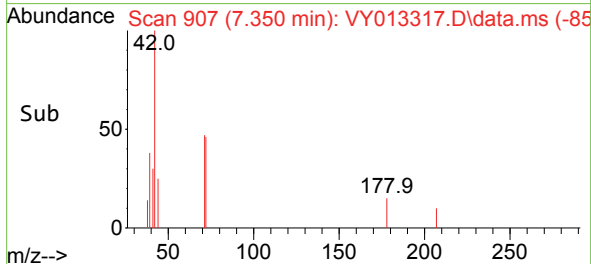
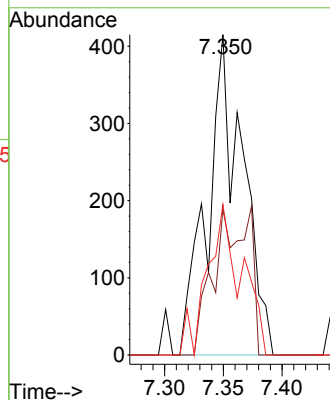
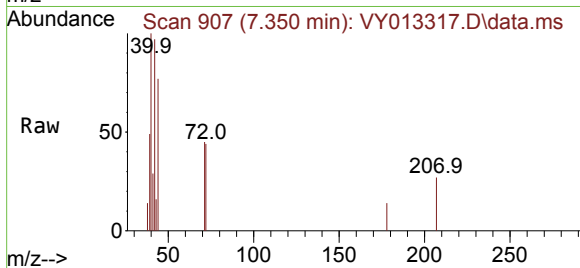
Tgt Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 33.8 30.3 45.5



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.007 min

Lab File: VY013317.D

Acq: 14 Apr 2023 14:34

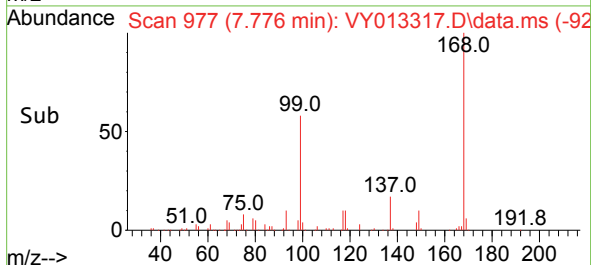
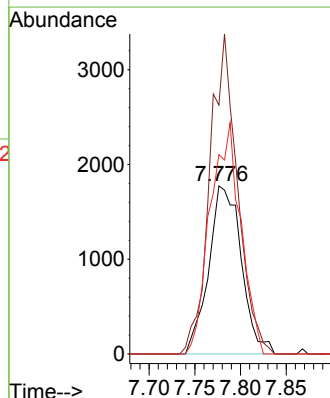
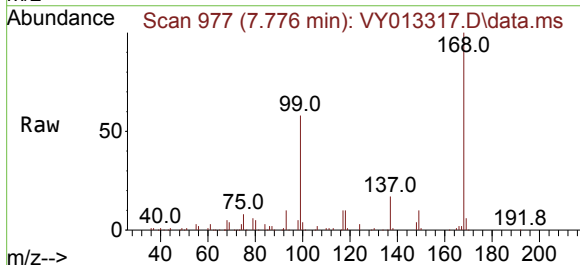
Tgt Ion: 56 Resp: 4405

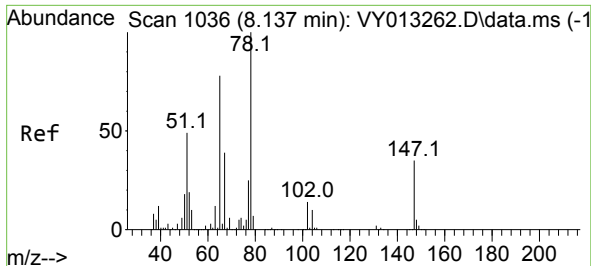
Ion Ratio Lower Upper

56 100

69 148.1 25.7 38.5#

84 118.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 56.618 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY013317.D

Acq: 14 Apr 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

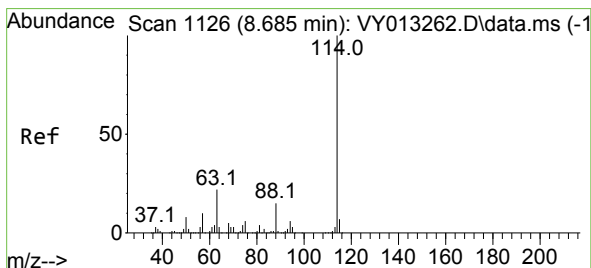
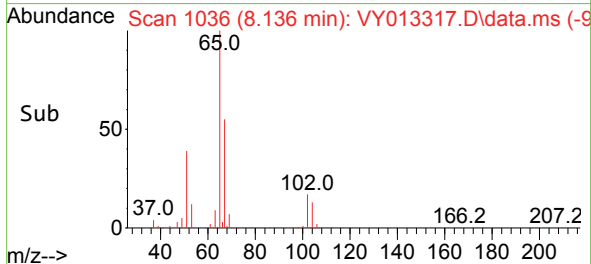
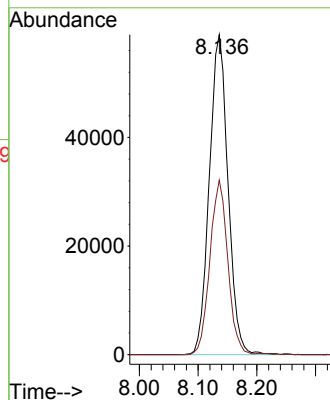
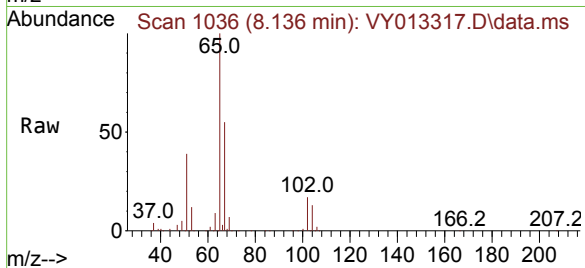
20230230-9-4

Tgt Ion: 65 Resp: 130009

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VY013317.D

Acq: 14 Apr 2023 14:34

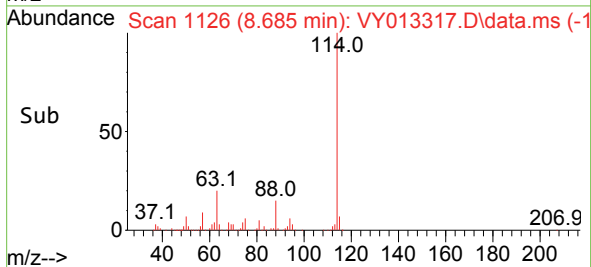
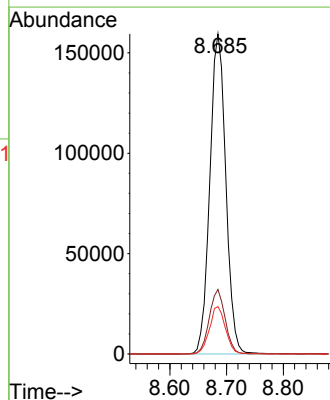
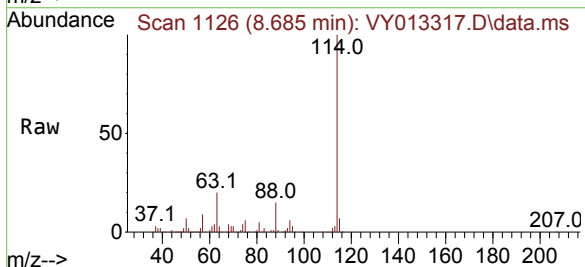
Tgt Ion: 114 Resp: 312223

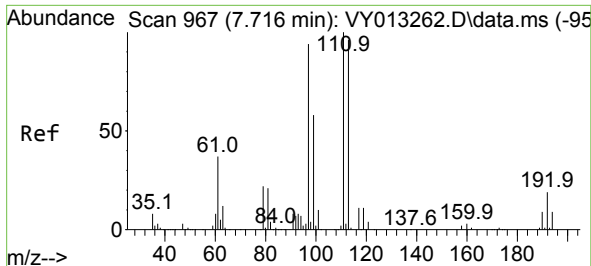
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.8 0.0 28.6

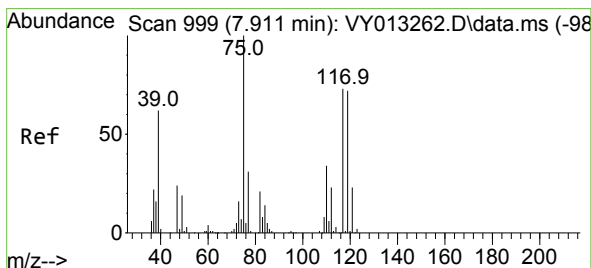
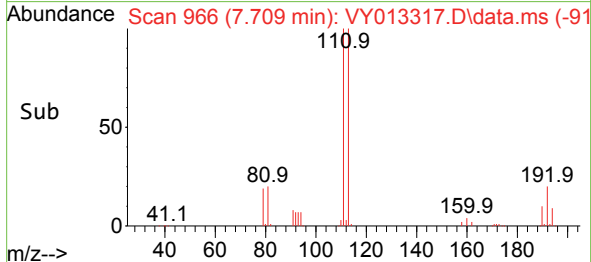
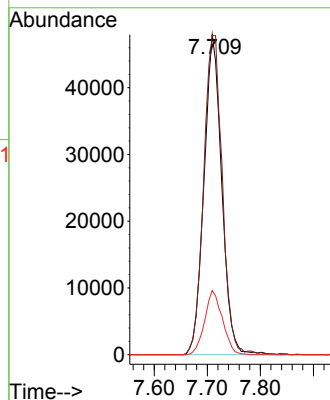
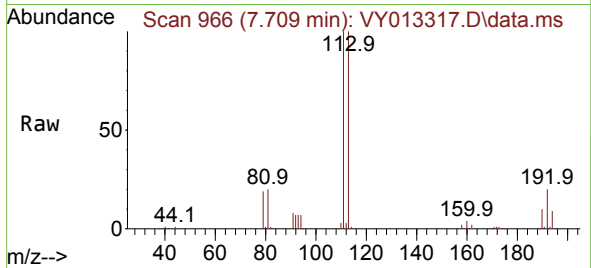




#35
Dibromofluoromethane
Concen: 55.117 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

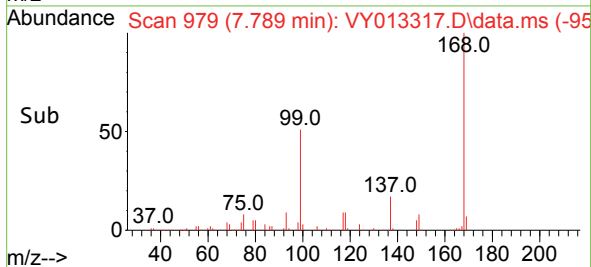
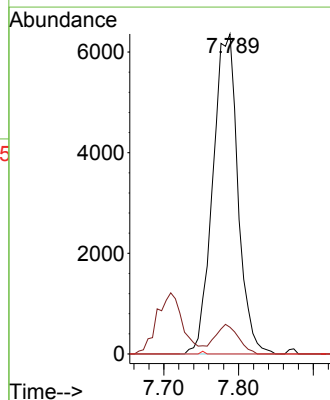
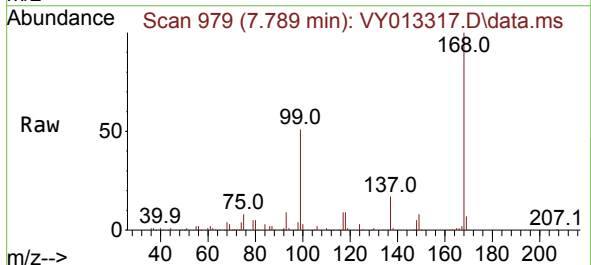
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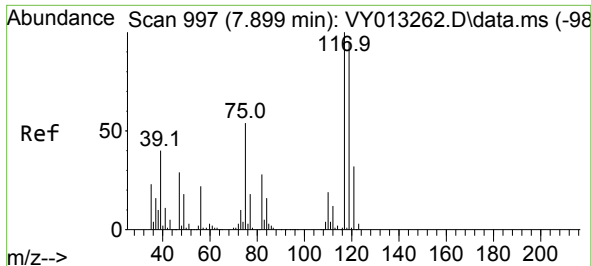
Tgt Ion:113 Resp: 111409
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 75 Resp: 14867
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#

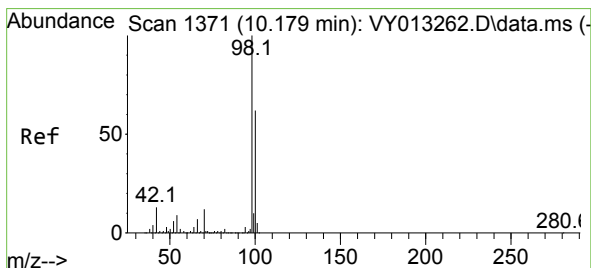
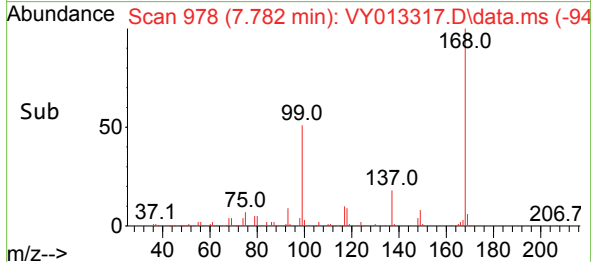
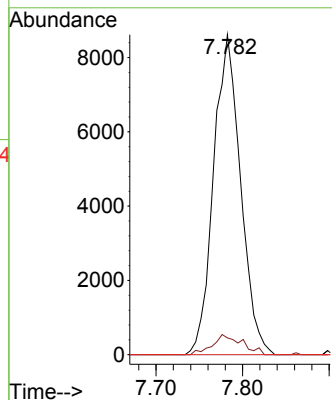
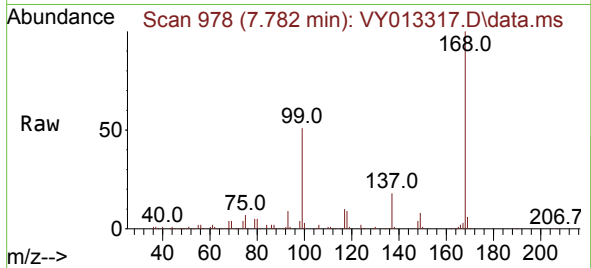




#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

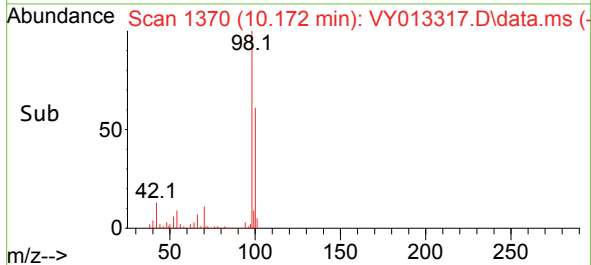
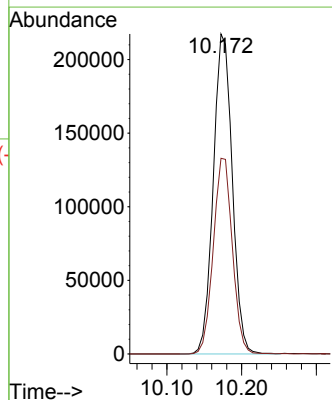
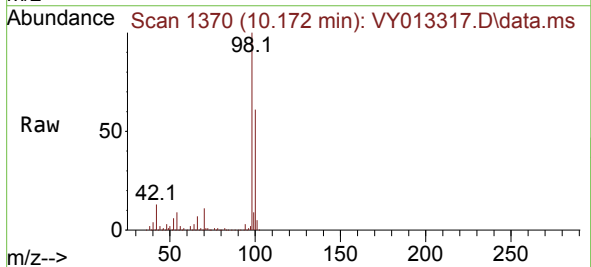
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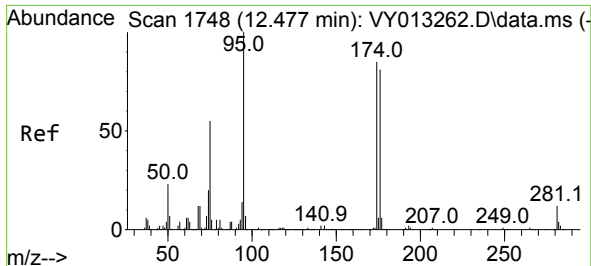
Tgt Ion:117 Resp: 18652
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.909 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 98 Resp: 383025
Ion Ratio Lower Upper
98 100
100 61.4 50.9 76.3

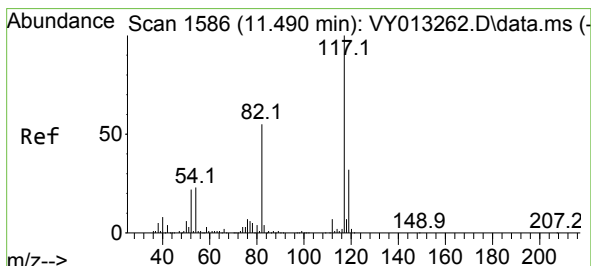
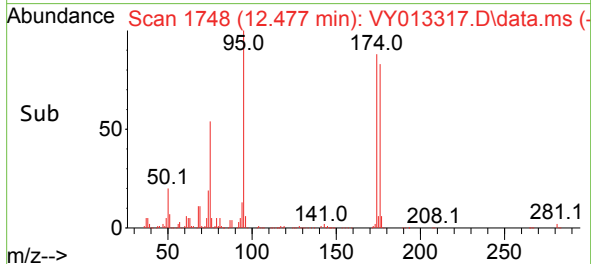
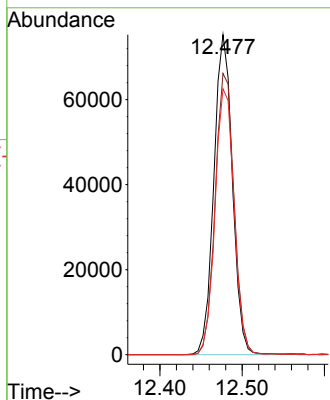
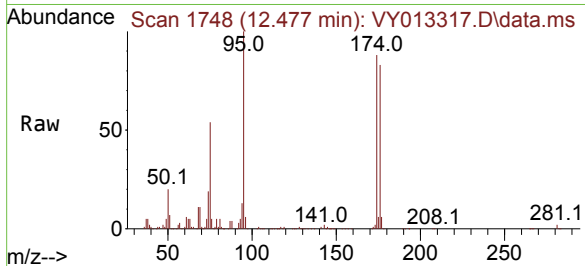




#62
4-Bromofluorobenzene
Concen: 48.230 ug/l
RT: 12.477 min Scan# 117901
Delta R.T. -0.001 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

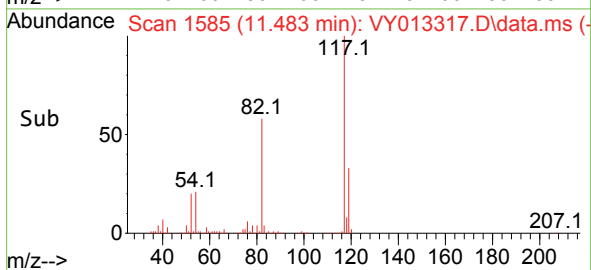
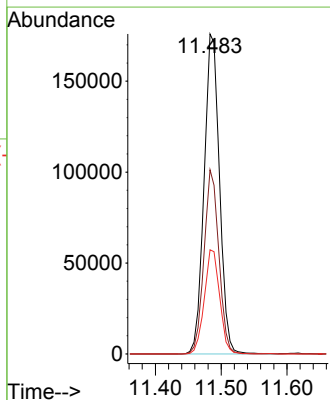
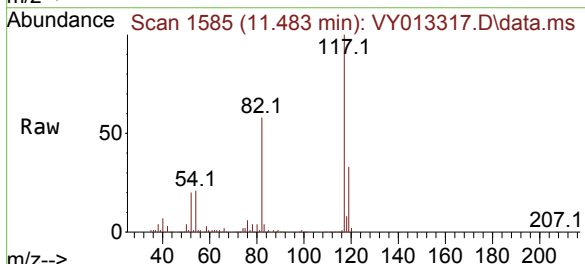
Instrument :
MSVOA_Y
ClientSampleId :
20230230-9-4

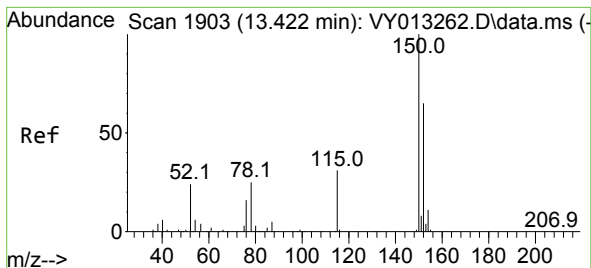
Tgt Ion: 95 Resp: 117901
Ion Ratio Lower Upper
95 100
174 90.0 0.0 176.6
176 85.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion: 117 Resp: 287143
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.0
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.001 min

Lab File: VY013317.D

Acq: 14 Apr 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

20230230-9-4

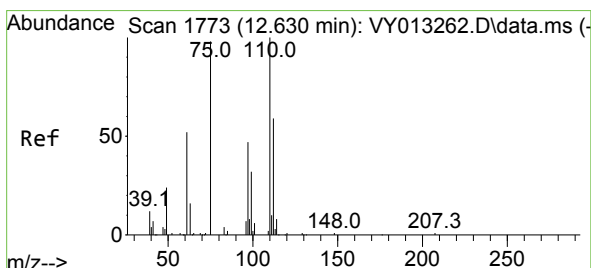
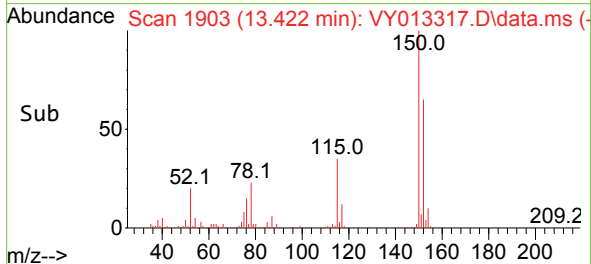
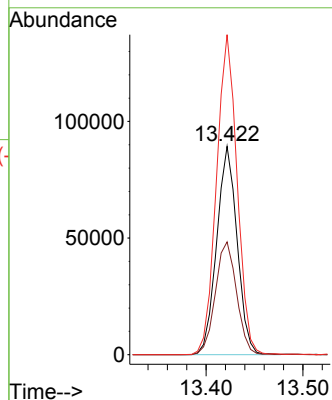
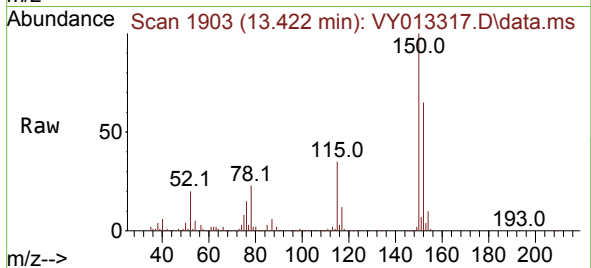
Tgt Ion:152 Resp: 130841

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 155.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.540 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013317.D

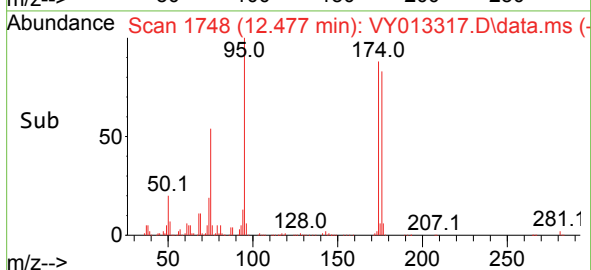
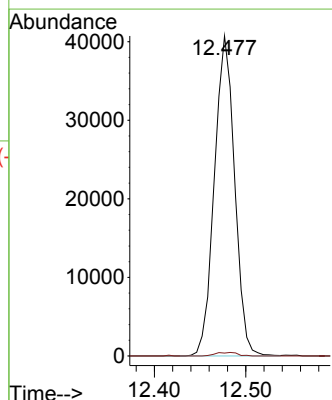
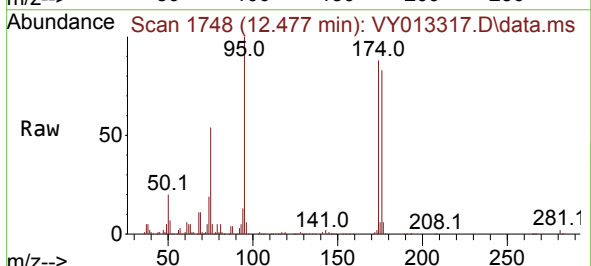
Acq: 14 Apr 2023 14:34

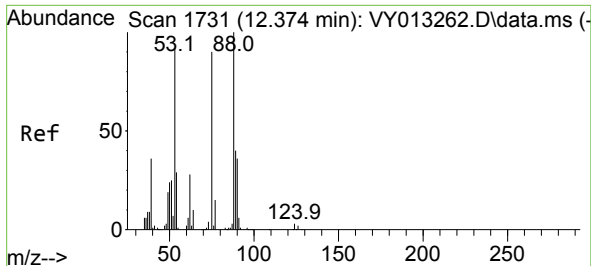
Tgt Ion: 75 Resp: 62834

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

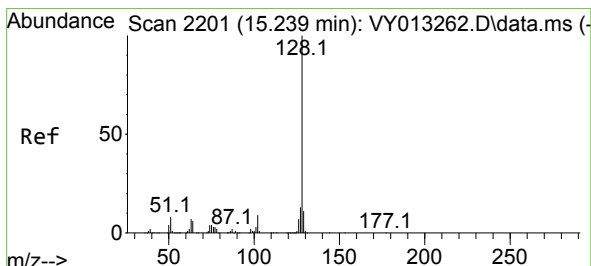
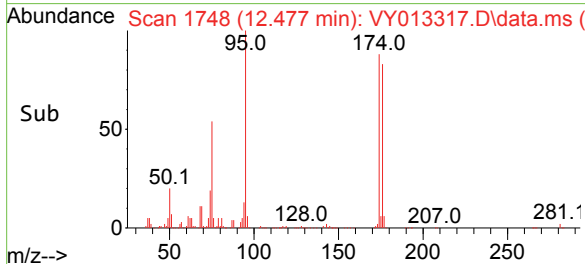
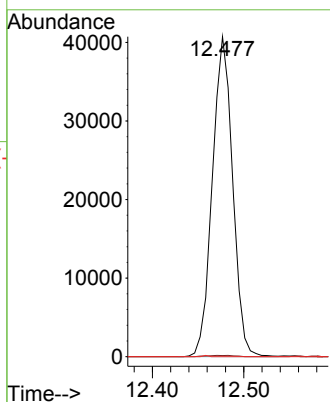
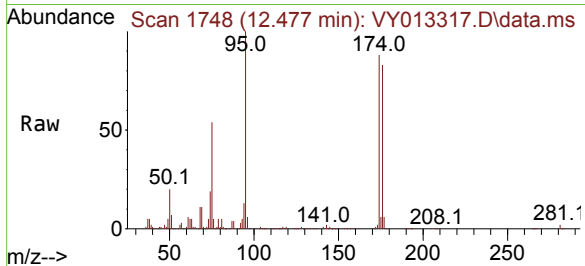




#81
trans-1,4-Dichloro-2-butene
Concen: 79.988 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Instrument :
MSVOA_Y
ClientSampleId :
20230230-9-4

Tgt Ion: 75 Resp: 62834
Ion Ratio Lower Upper
75 100
53 0.6 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.315 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY013317.D
Acq: 14 Apr 2023 14:34

Tgt Ion:128 Resp: 681
Ion Ratio Lower Upper
128 100
127 7.0 10.3 15.5#
129 9.5 8.6 13.0

