

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015003.D
 Acq On : 09 Aug 2023 14:20
 Operator : SY/MD
 Sample : 03939-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1745-1746-1747

Quant Time: Aug 10 01:45:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

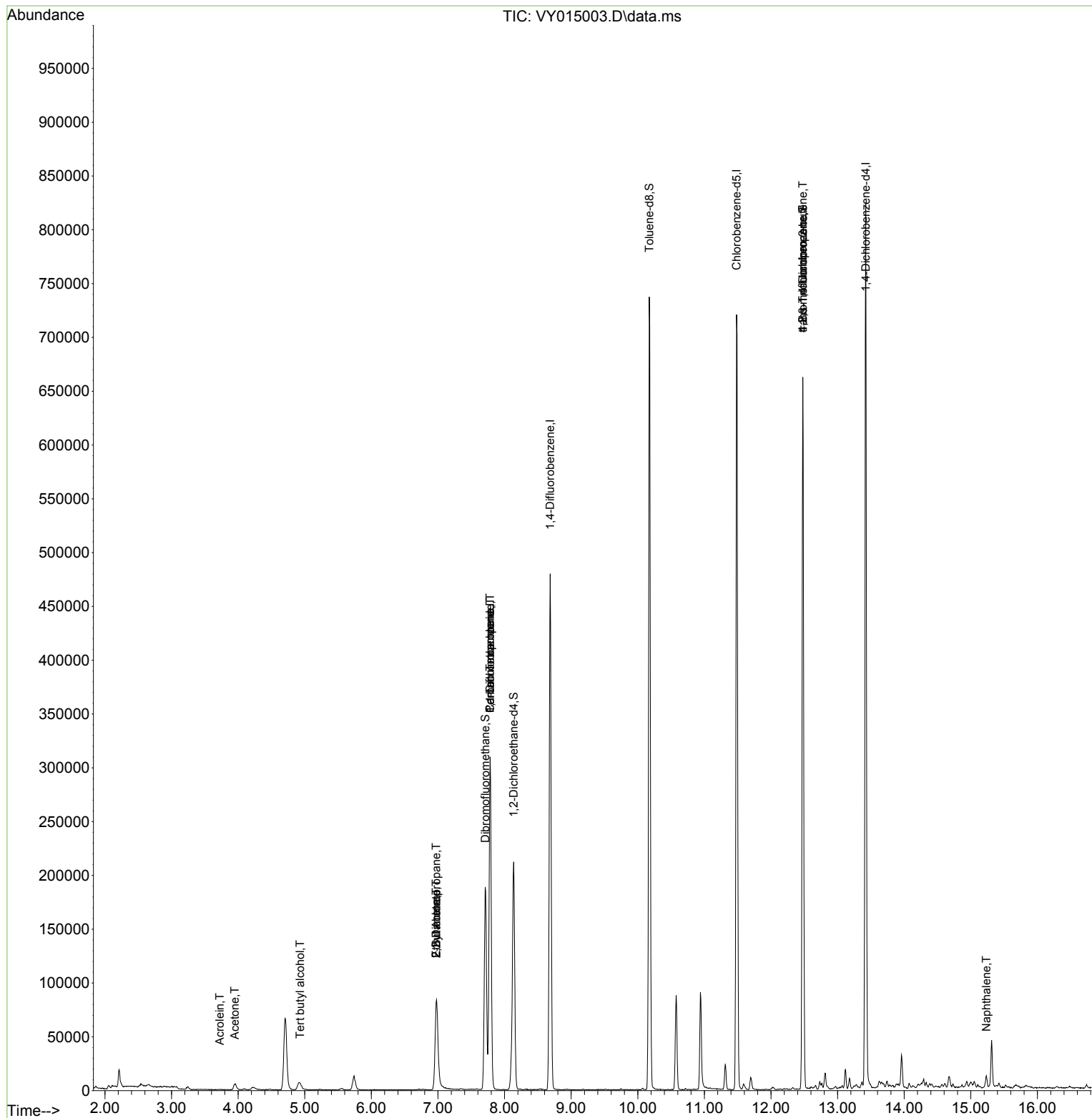
Internal Standards						
1) Pentafluorobenzene	7.783	168	240547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	412382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	398677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	200365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	159397	54.672	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.340%			
35) Dibromofluoromethane	7.710	113	134031	50.825	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.660%			
50) Toluene-d8	10.173	98	486650	48.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.477	95	191068	53.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	162	Below Cal	#	43
5) Bromomethane	2.650	94	1321	Below Cal		93
11) Tert butyl alcohol	4.930	59	8413	11.957	ug/l #	89
13) Acrolein	3.723	56	274	1.145	ug/l #	14
16) Acetone	3.948	43	10476	11.523	ug/l	93
25) 2-Butanone	6.972	43	4910	3.771	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	6057	1.431	ug/l #	54
31) Cyclohexane	7.777	56	5212	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	18723	5.719	ug/l #	50
37) Ethyl Acetate	6.972	43	4910	1.889	ug/l #	1
38) Carbon Tetrachloride	7.783	117	23834	6.476	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	102142	42.544	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	102142	93.726	ug/l #	11
95) Naphthalene	15.233	128	8904	1.002	ug/l	97

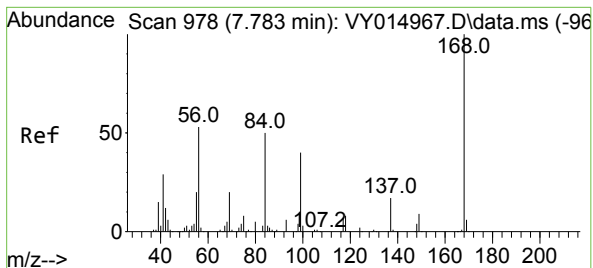
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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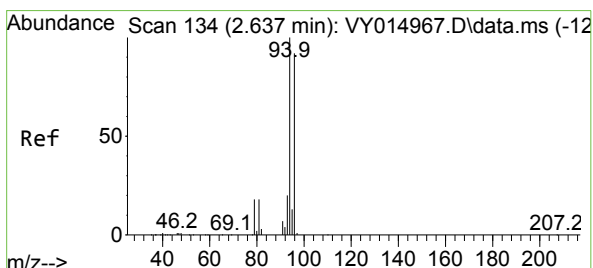
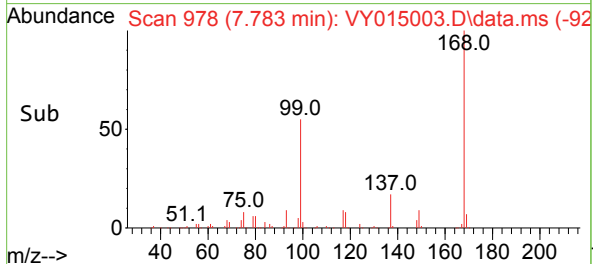
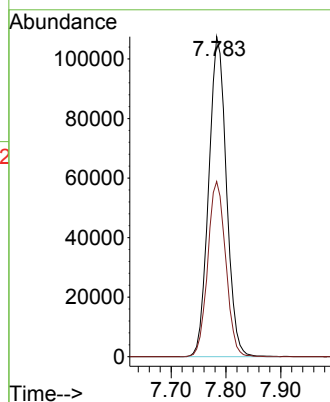
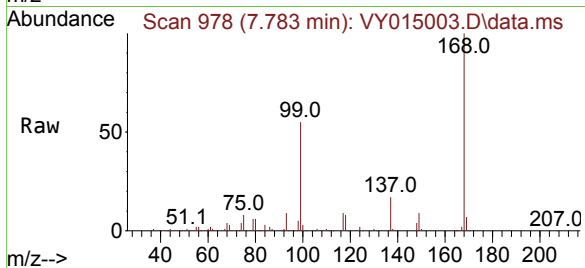




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

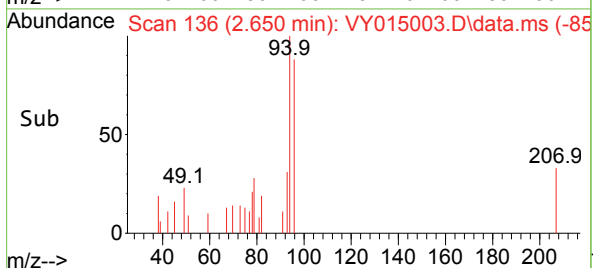
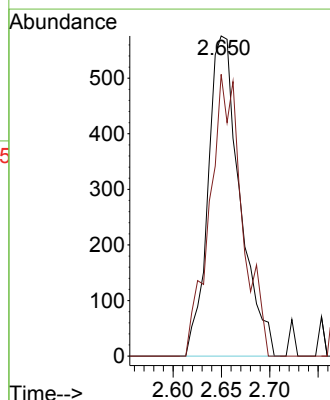
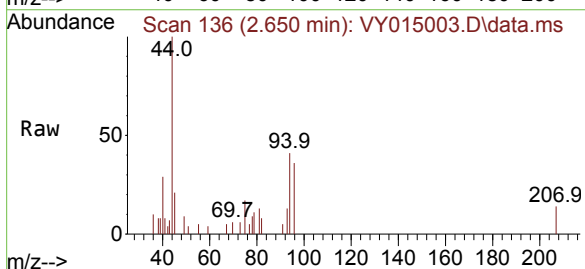
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1745-1746-1747

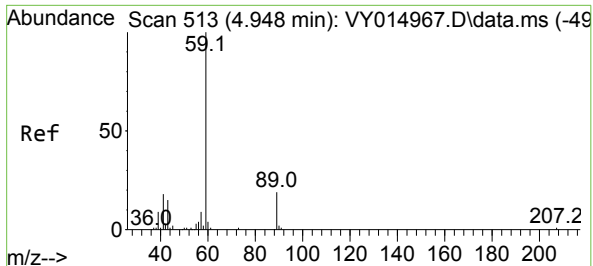
Tgt Ion:168 Resp: 240547
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Tgt Ion: 94 Resp: 1321
Ion Ratio Lower Upper
94 100
96 88.0 75.8 113.6

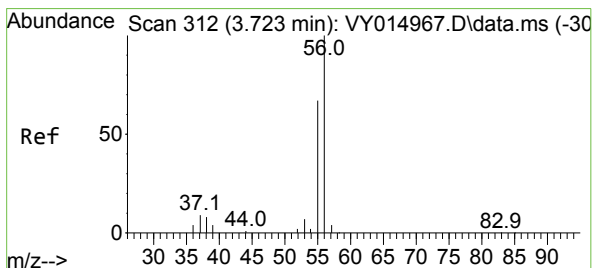
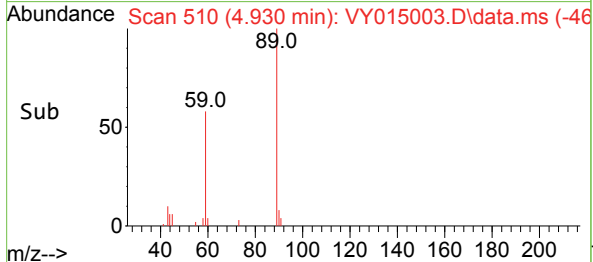
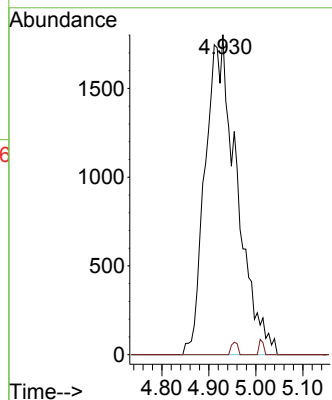
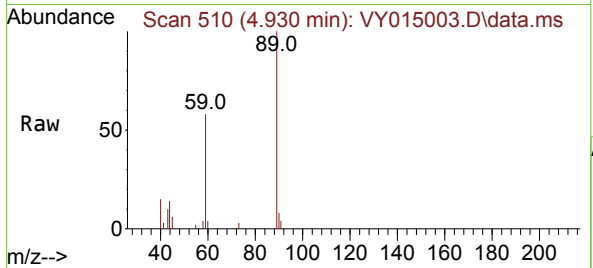




#11
Tert butyl alcohol
Concen: 11.957 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

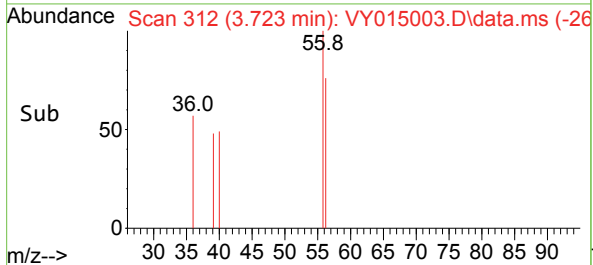
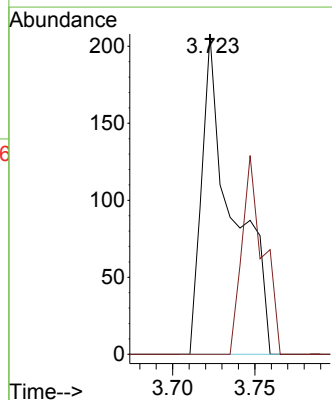
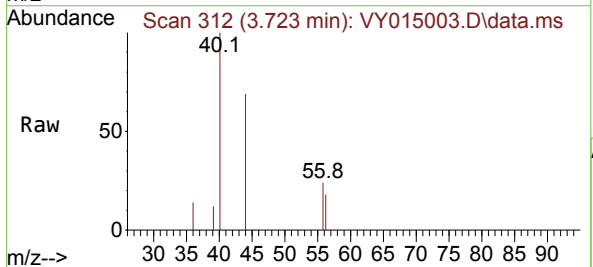
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MSVOA_Y
ClientSampleId :
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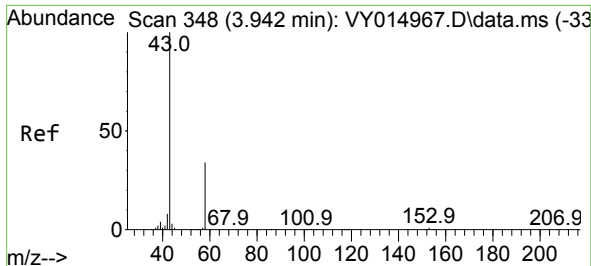
Tgt Ion: 59 Resp: 8413
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 1.145 ug/l
RT: 3.723 min Scan# 312
Delta R.T. 0.000 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

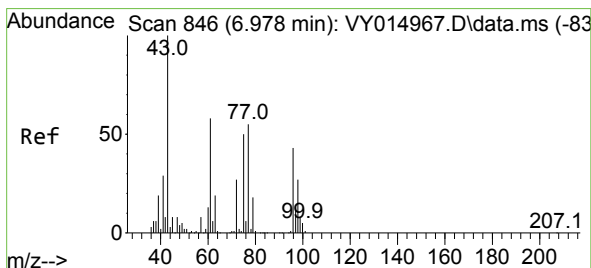
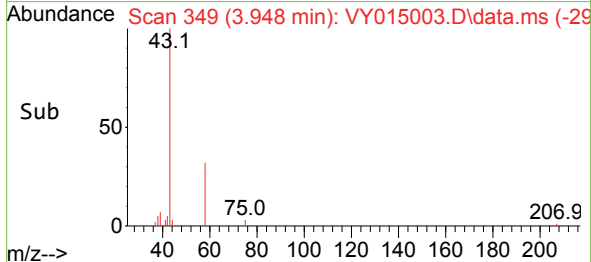
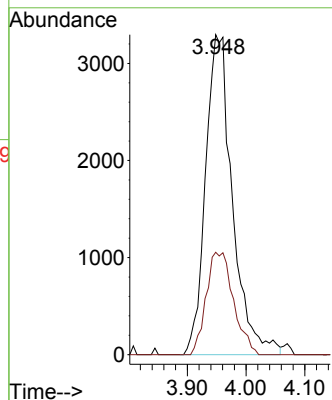
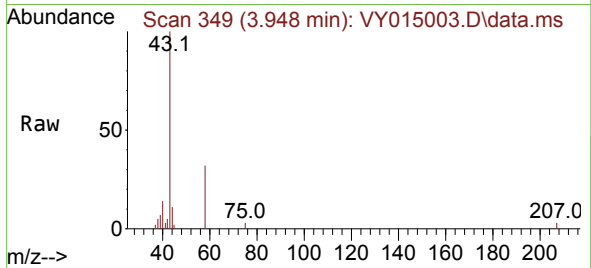




#16
 Acetone
 Concen: 11.523 ug/l
 RT: 3.948 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VY015003.D
 Acq: 09 Aug 2023 14:20

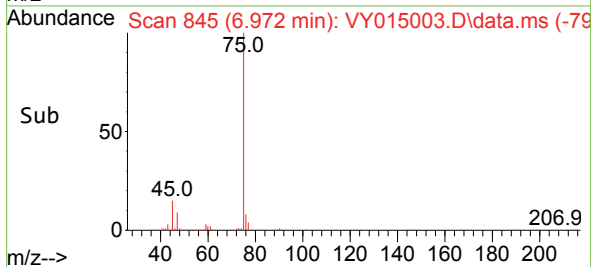
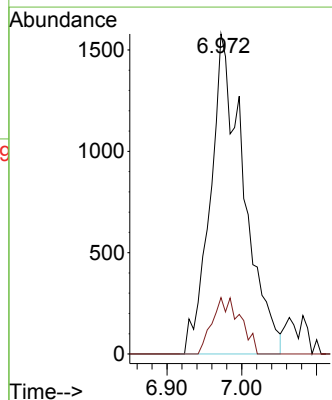
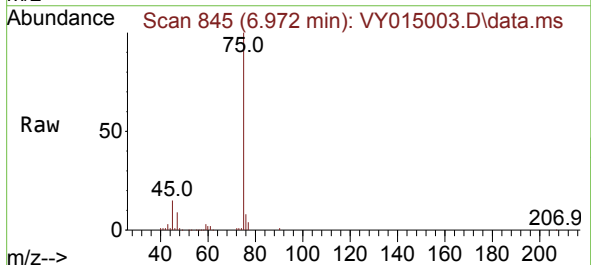
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1745-1746-1747

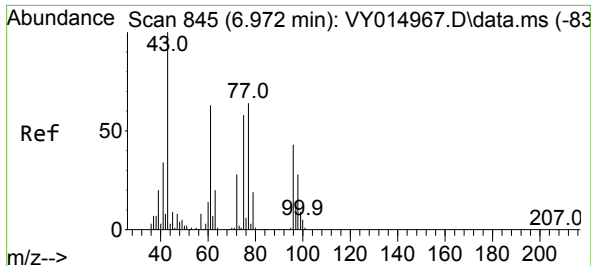
Tgt Ion: 43 Resp: 10476
 Ion Ratio Lower Upper
 43 100
 58 32.0 22.7 34.1



#25
 2-Butanone
 Concen: 3.771 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.006 min
 Lab File: VY015003.D
 Acq: 09 Aug 2023 14:20

Tgt Ion: 43 Resp: 4910
 Ion Ratio Lower Upper
 43 100
 72 17.6 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.431 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY015003.D

Acq: 09 Aug 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

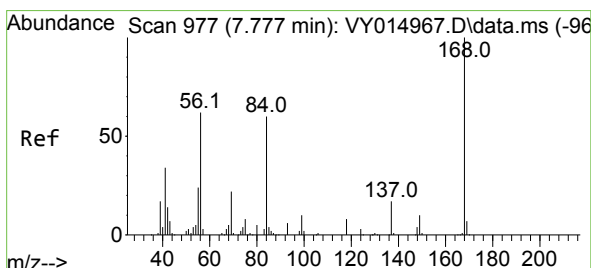
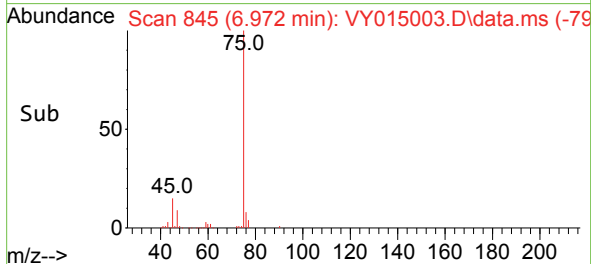
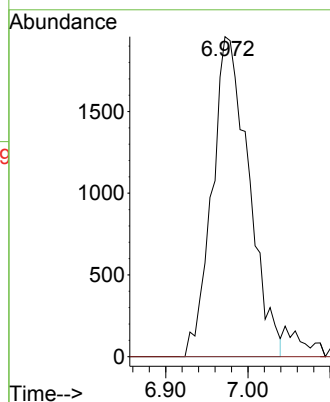
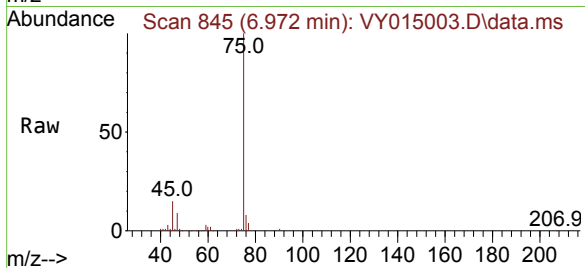
ORA-1745-1746-1747

Tgt Ion: 77 Resp: 6057

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY015003.D

Acq: 09 Aug 2023 14:20

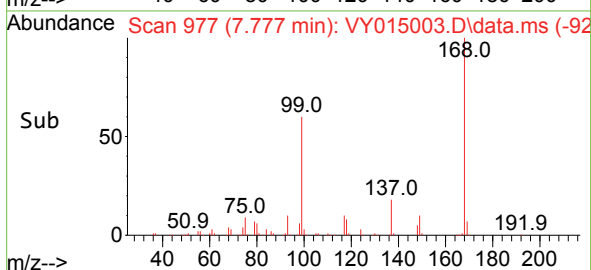
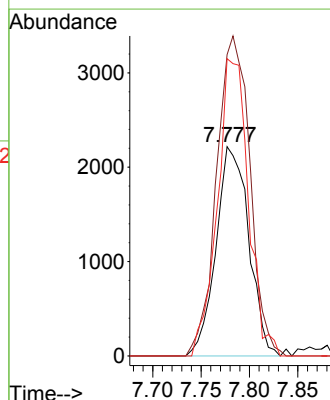
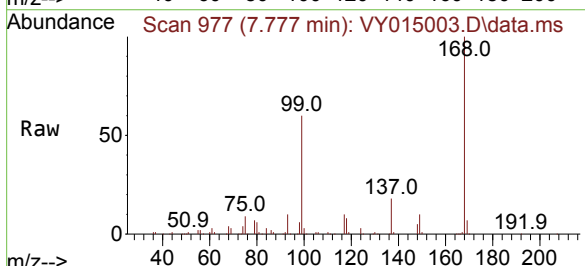
Tgt Ion: 56 Resp: 5212

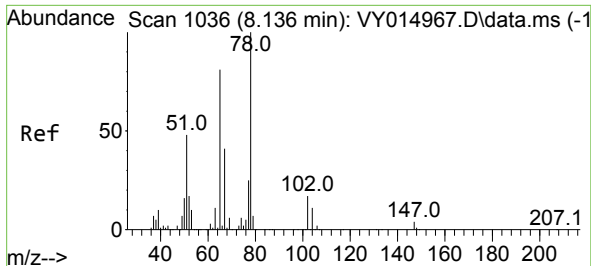
Ion Ratio Lower Upper

56 100

69 144.0 27.8 41.6#

84 142.1 66.4 99.6#

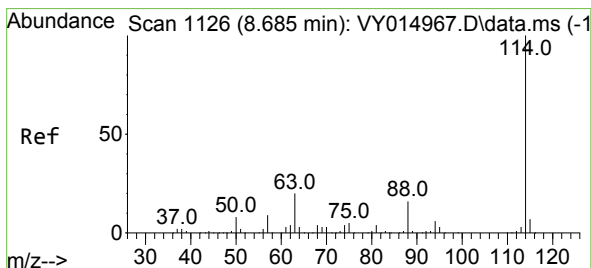
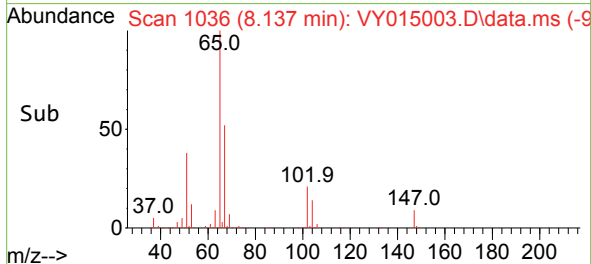
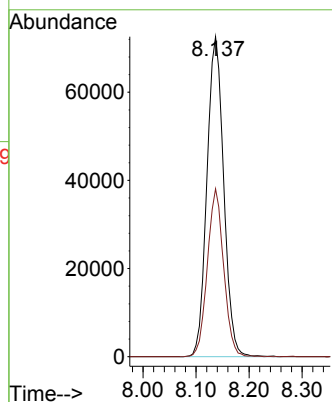
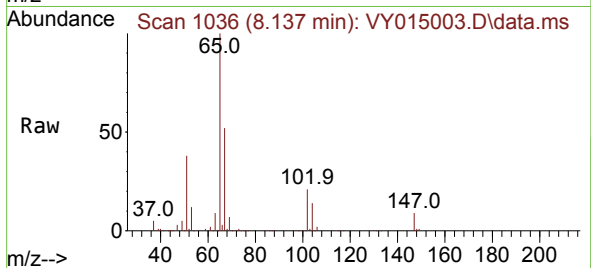




#33
 1,2-Dichloroethane-d4
 Concen: 54.672 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015003.D
 Acq: 09 Aug 2023 14:20

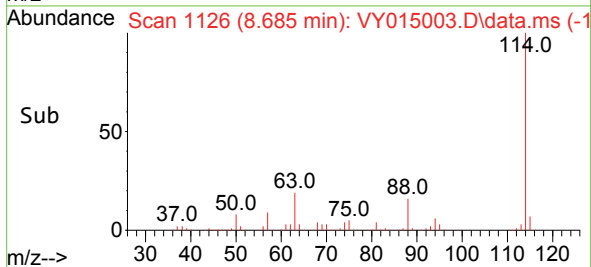
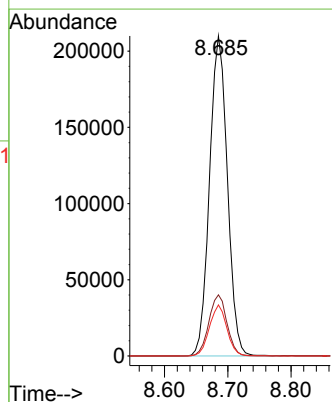
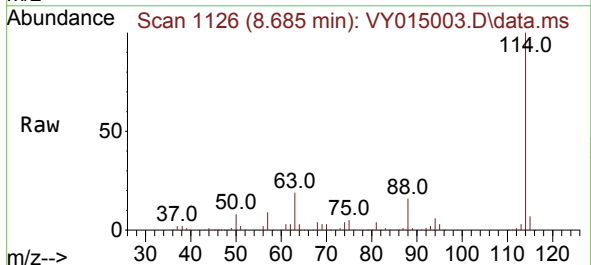
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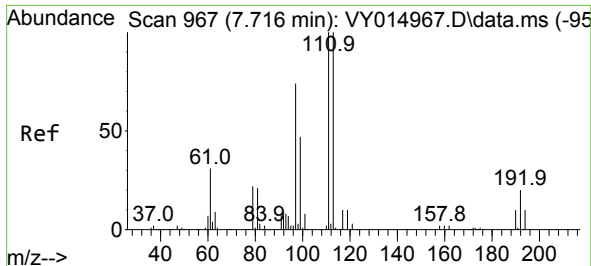
Tgt Ion: 65 Resp: 159397
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015003.D
 Acq: 09 Aug 2023 14:20

Tgt Ion: 114 Resp: 412382
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 16.0 0.0 30.6

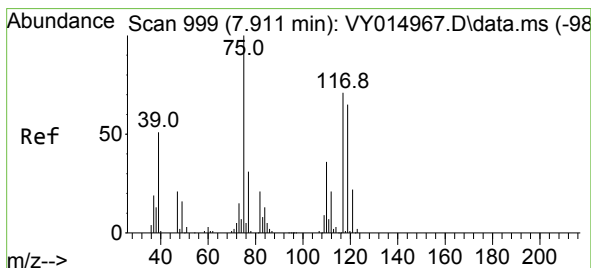
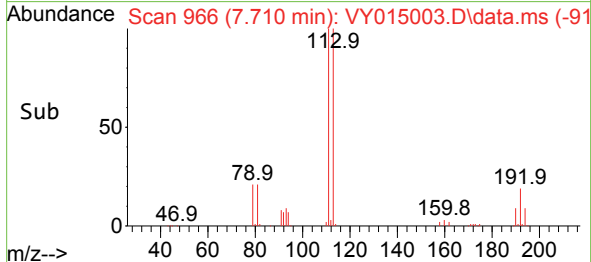
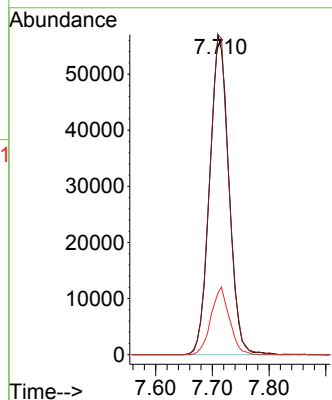
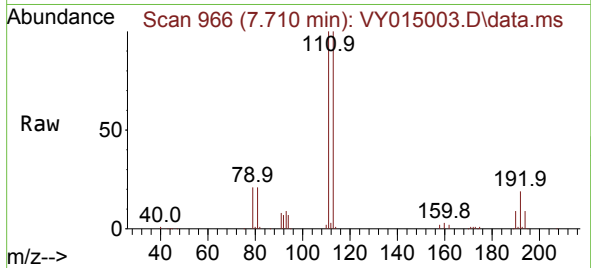




#35
Dibromofluoromethane
Concen: 50.825 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

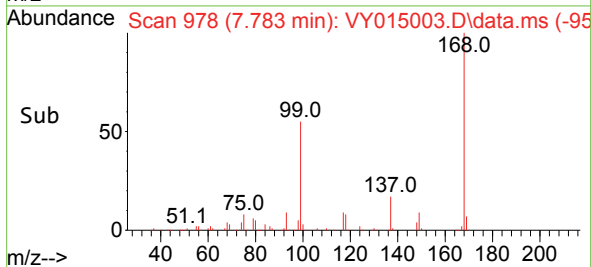
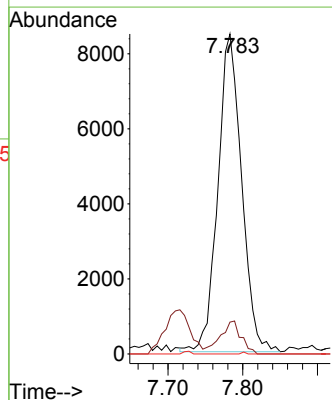
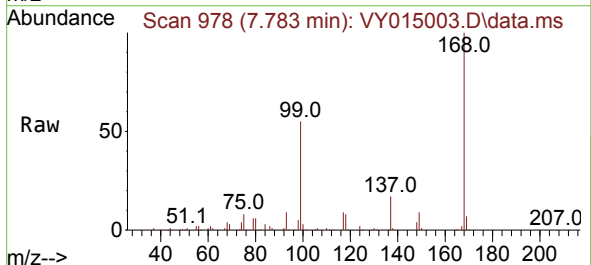
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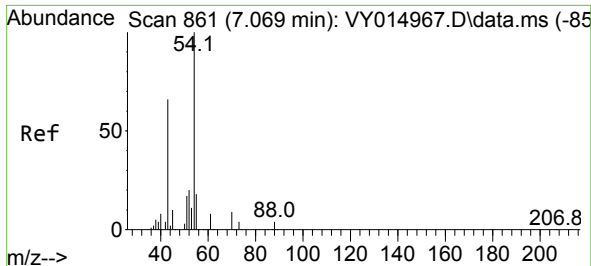
Tgt Ion:113 Resp: 134031
Ion Ratio Lower Upper
113 100
111 100.5 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.719 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Tgt Ion: 75 Resp: 18723
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.1 24.4 36.6#

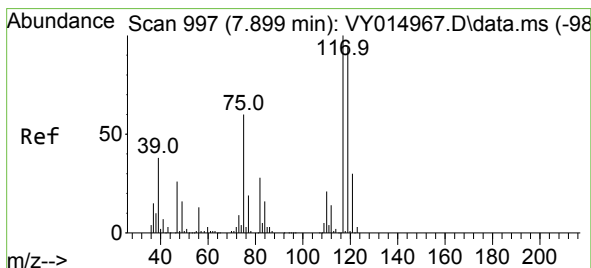
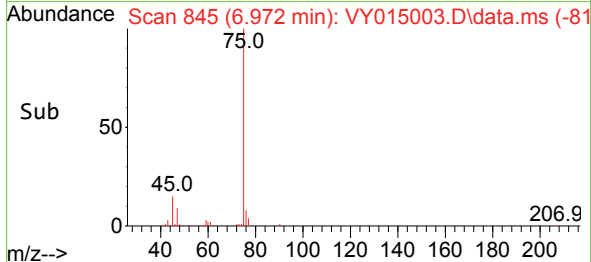
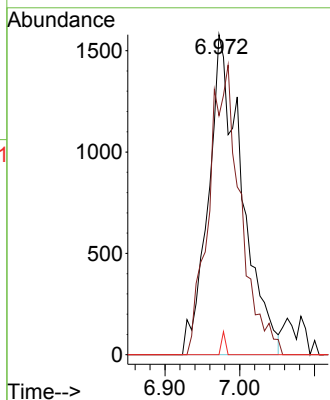
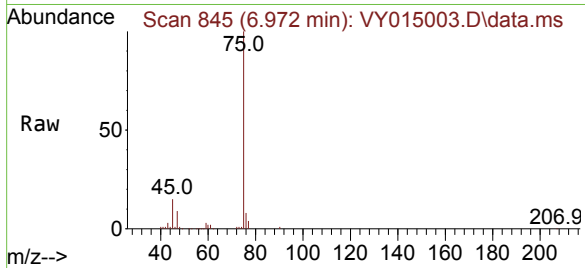




#37
Ethyl Acetate
Concen: 1.889 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

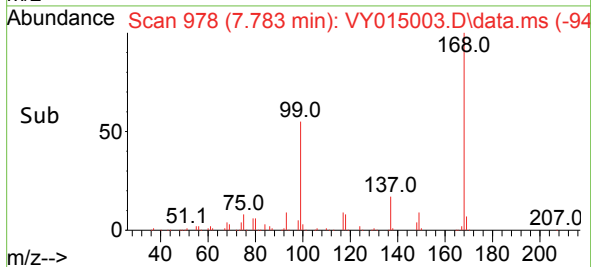
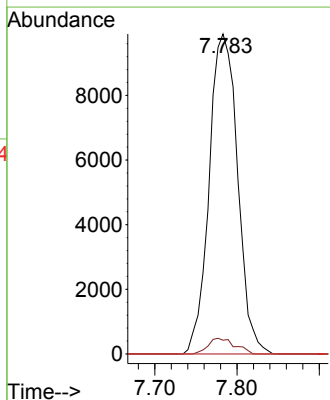
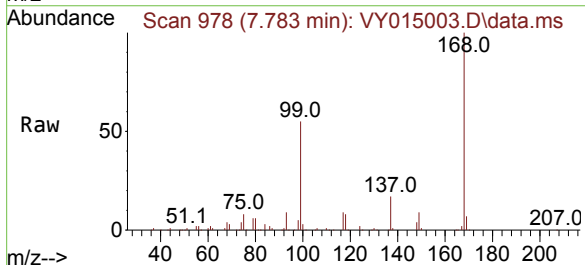
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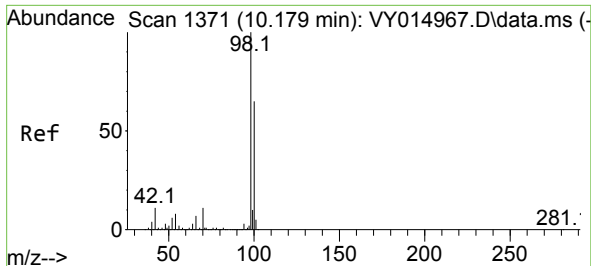
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
61 85.8 10.1 15.1#
70 0.9 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Tgt Ion: 117 Resp: 23834
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#

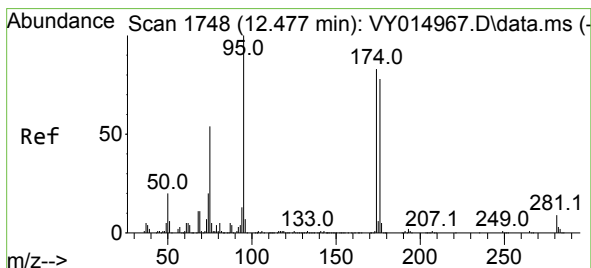
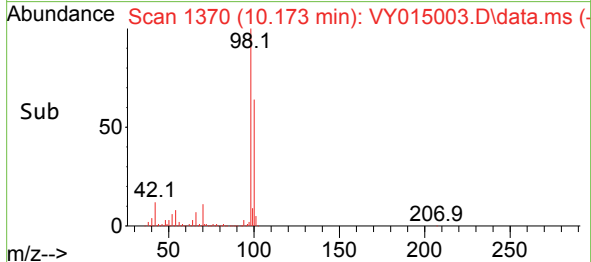
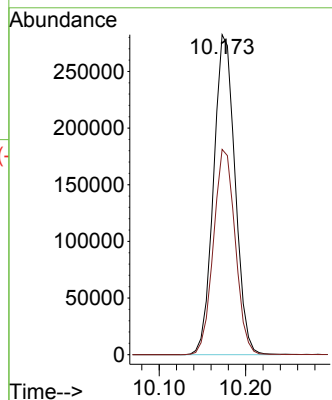
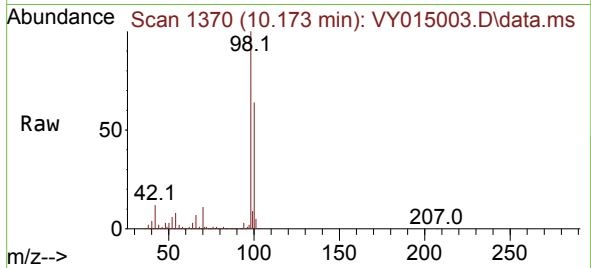




#50
Toluene-d8
Concen: 48.484 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

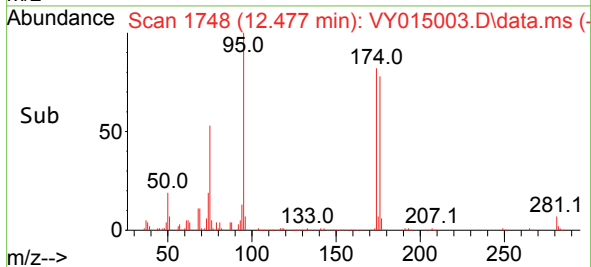
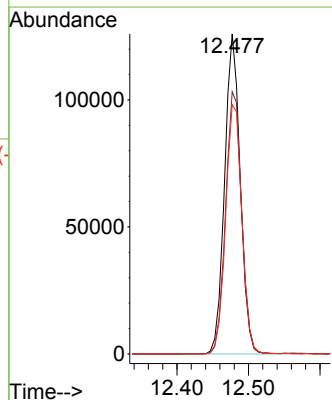
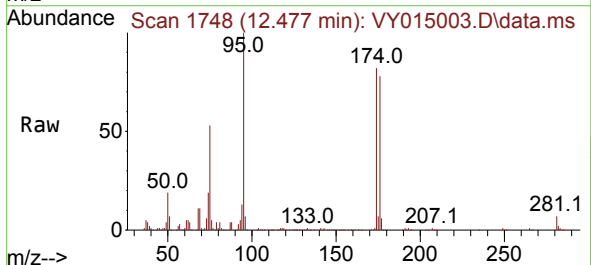
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1745-1746-1747

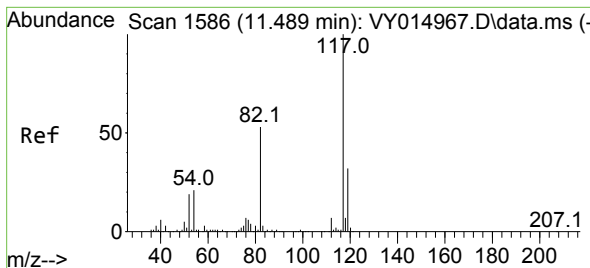
Tgt Ion: 98 Resp: 486650
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.709 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Tgt Ion: 95 Resp: 191068
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015003.D

Acq: 09 Aug 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1745-1746-1747

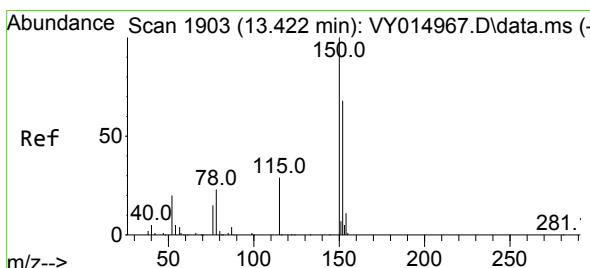
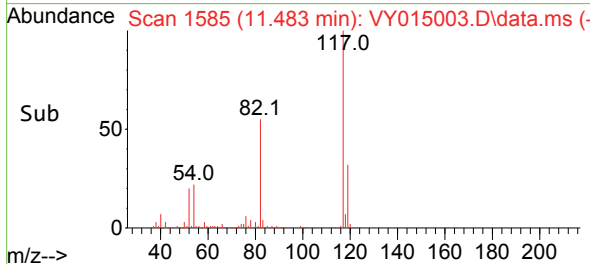
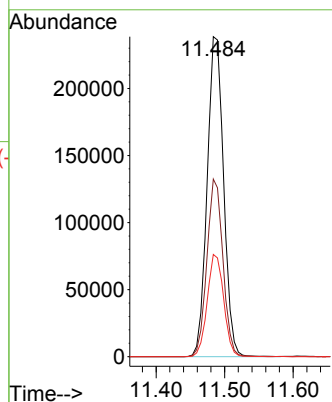
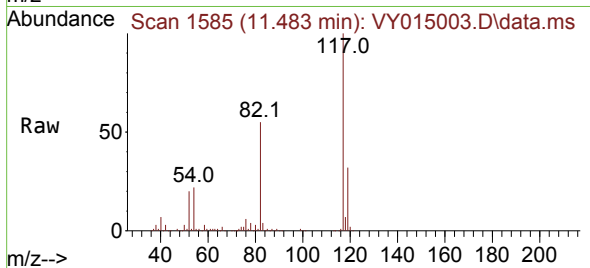
Tgt Ion:117 Resp: 398677

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015003.D

Acq: 09 Aug 2023 14:20

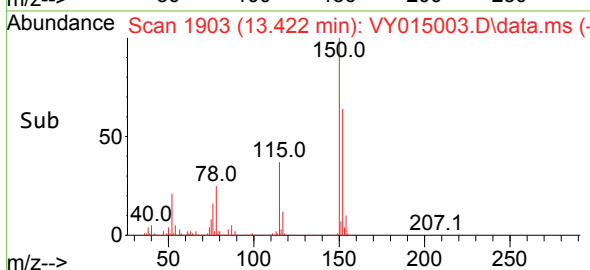
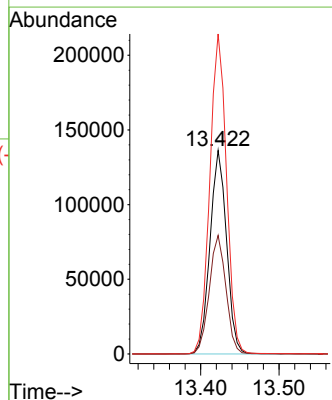
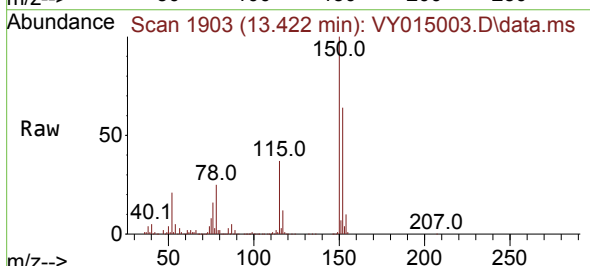
Tgt Ion:152 Resp: 200365

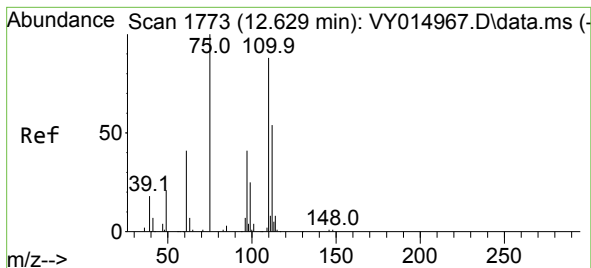
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.2 0.0 348.8

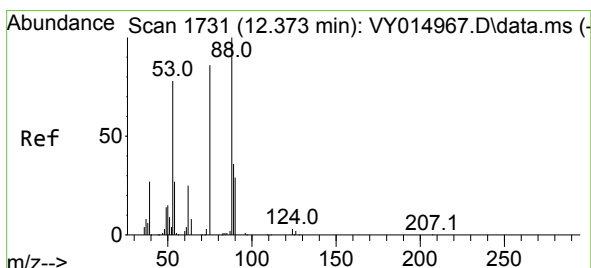
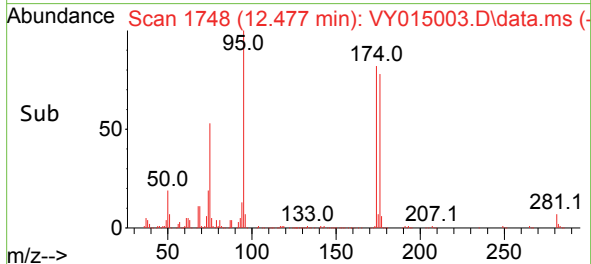
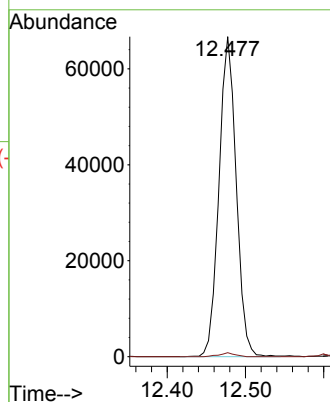
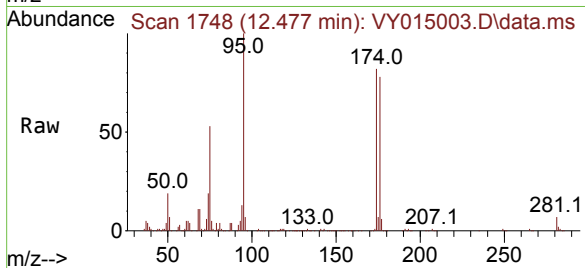




#76
1,2,3-Trichloropropane
Concen: 42.544 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

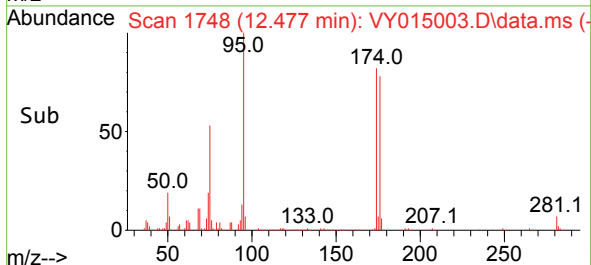
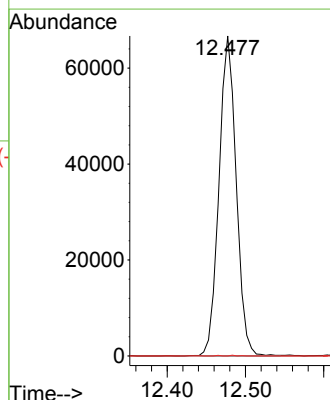
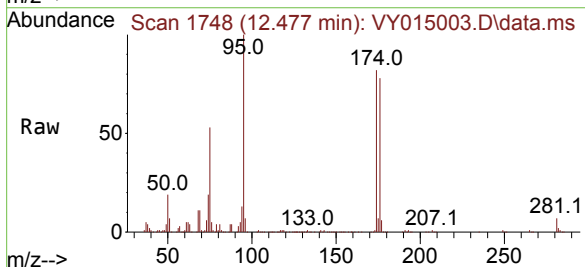
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1745-1746-1747

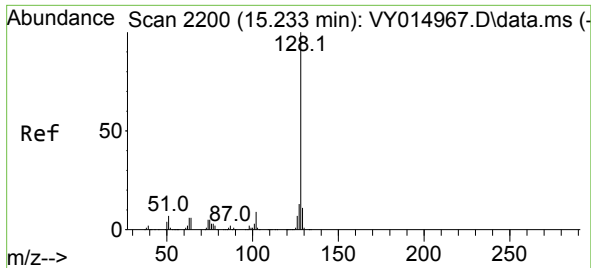
Tgt Ion: 75 Resp: 102142
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.726 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

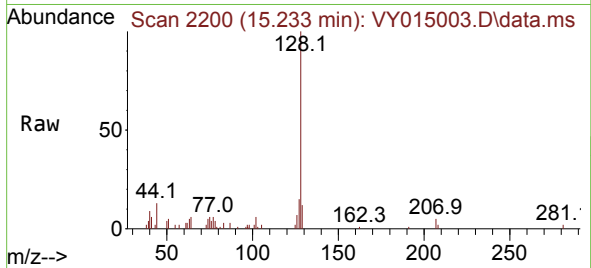
Tgt Ion: 75 Resp: 102142
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 1.002 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015003.D
Acq: 09 Aug 2023 14:20

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1745-1746-1747



Tgt Ion:	128	Resp:	8904
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	11.8	8.6	13.0

