

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014392.D
 Acq On : 22 Jun 2023 20:19
 Operator : KP/MD
 Sample : 03369-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1650

Quant Time: Jun 23 05:01:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

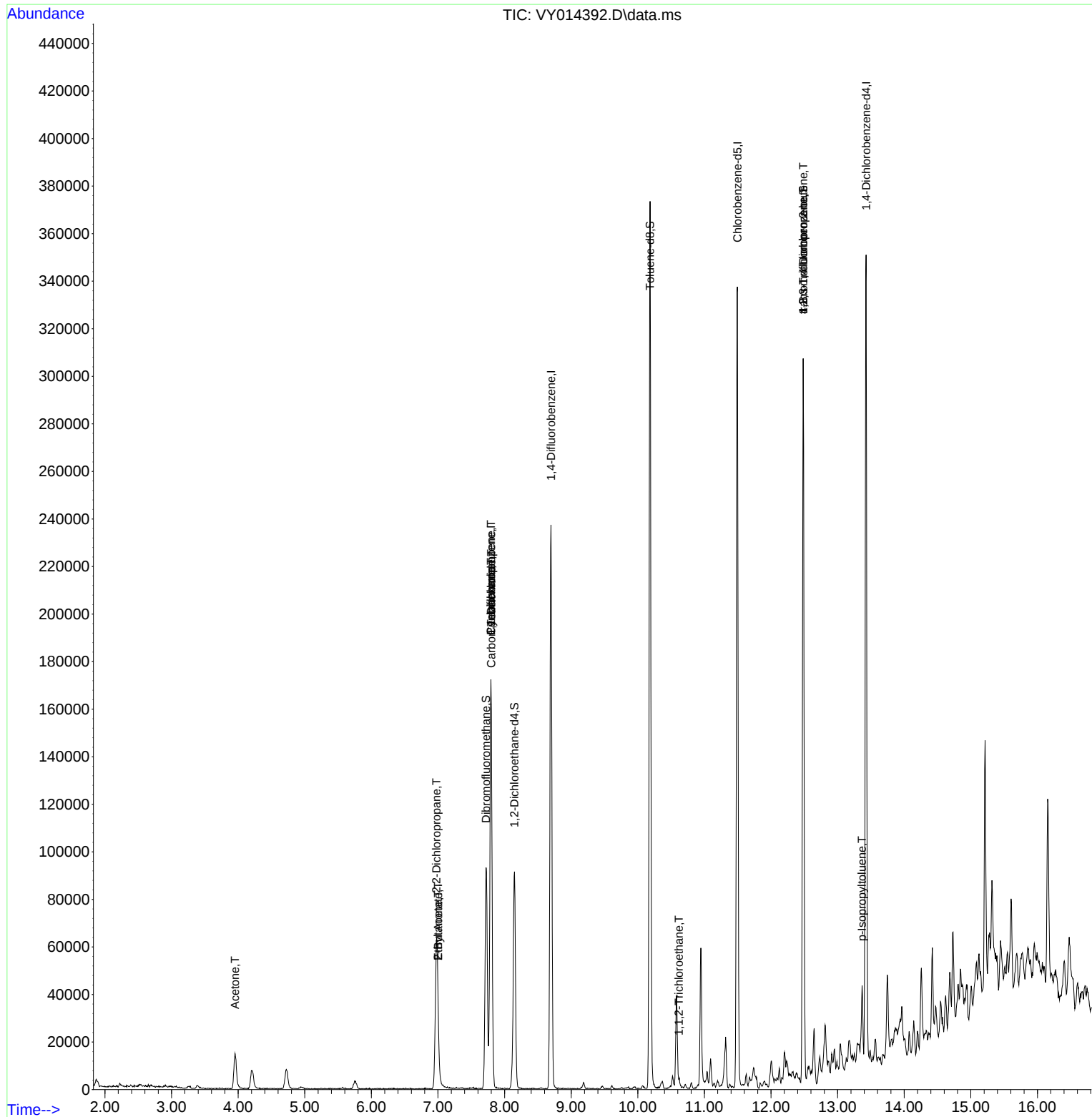
Internal Standards						
1) Pentafluorobenzene	7.795	168	133568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	188138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76927	41.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.720%
35) Dibromofluoromethane	7.722	113	63735	45.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.100%
50) Toluene-d8	10.185	98	240553	45.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.483	95	75046	39.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	511	Below Cal	#	89
16) Acetone	3.954	43	25484	45.455	ug/l #	85
20) Methylene Chloride	4.729	84	6291	Below Cal	#	84
25) 2-Butanone	7.003	43	6561	9.507	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	4552	1.588	ug/l #	54
31) Cyclohexane	7.795	56	2983	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10097	4.578	ug/l #	52
37) Ethyl Acetate	7.003	43	6561	4.311	ug/l #	73
38) Carbon Tetrachloride	7.801	117	12822	5.037	ug/l #	16
55) 1,1,2-Trichloroethane	10.618	97	1433	1.054	ug/l #	21
76) 1,2,3-Trichloropropane	12.483	75	43092	36.329	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43092	78.530	ug/l #	11
86) p-Isopropyltoluene	13.367	119	15309	2.452	ug/l	93

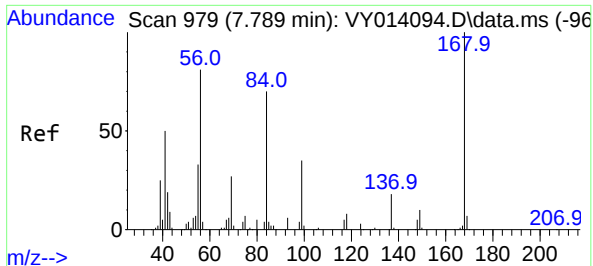
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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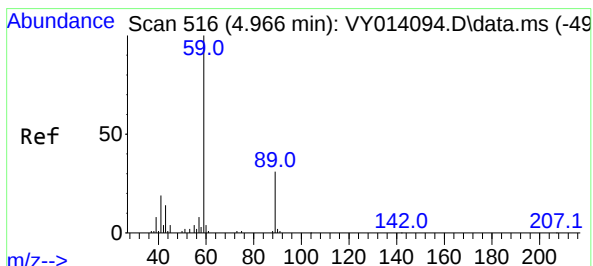
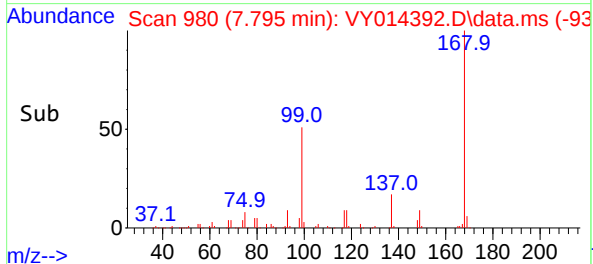
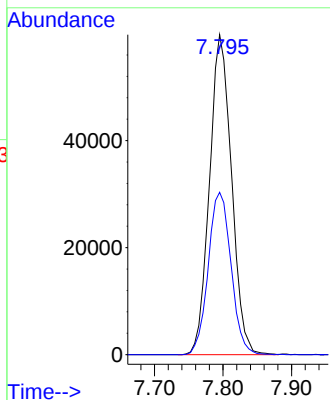
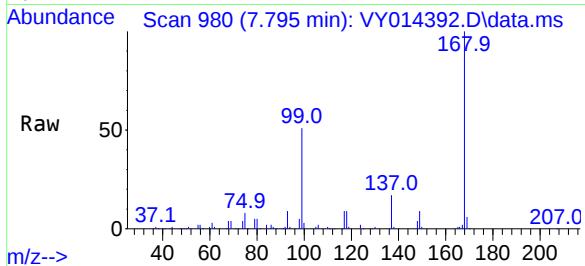




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

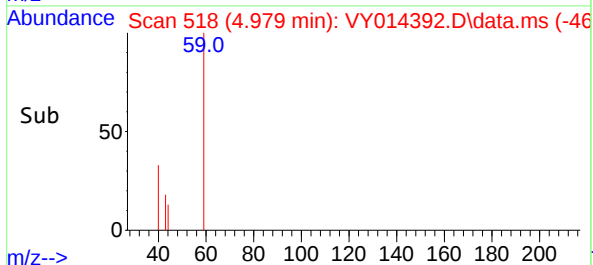
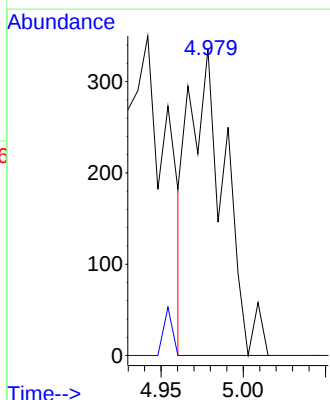
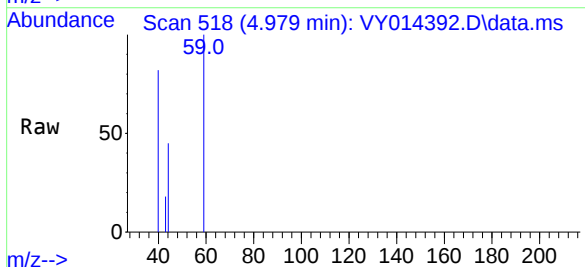
Instrument :
MSVOA_Y
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ORA-1650

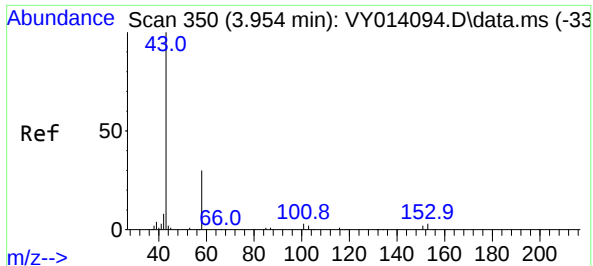
Tgt Ion:168 Resp: 133568
Ion Ratio Lower Upper
168 100
99 50.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 59 Resp: 511
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

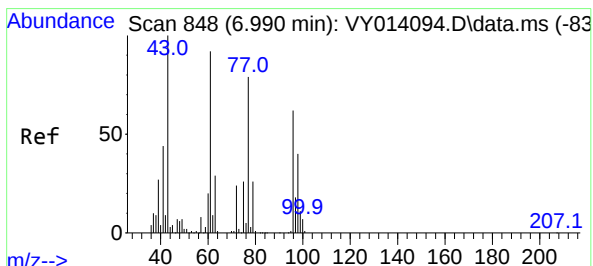
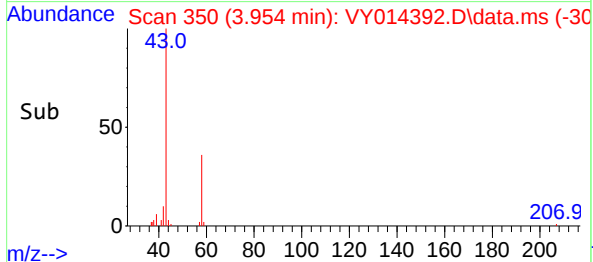
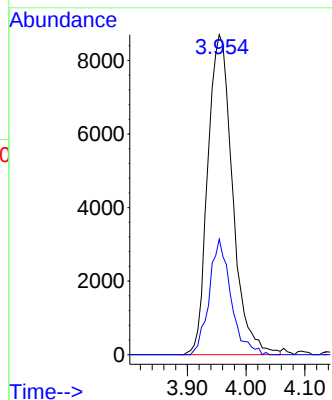
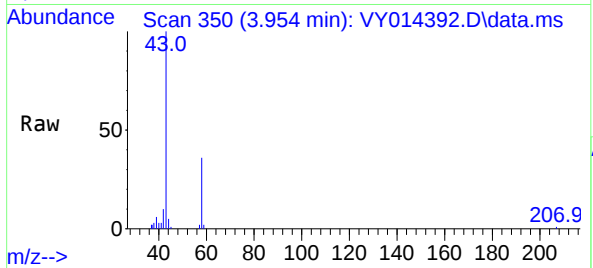




#16
Acetone
Concen: 45.455 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

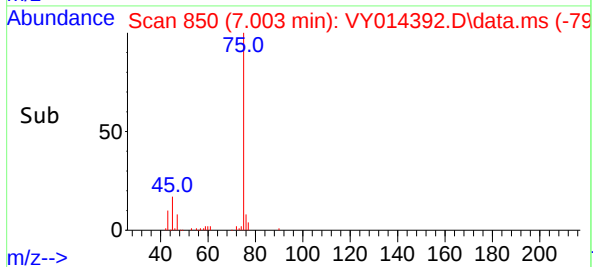
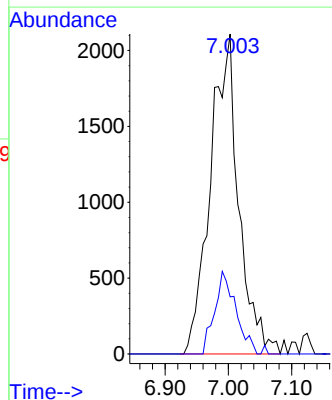
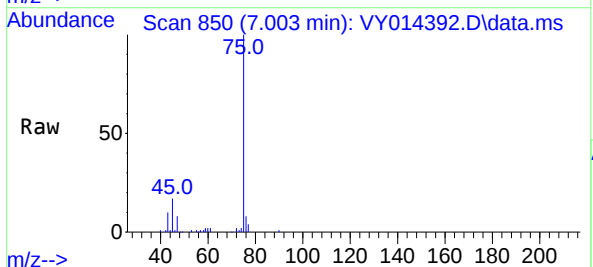
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

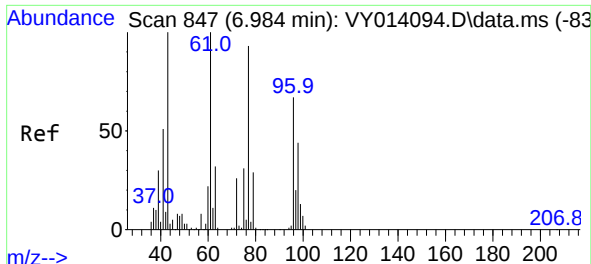
Tgt Ion: 43 Resp: 25484
Ion Ratio Lower Upper
43 100
58 36.1 22.7 34.1#



#25
2-Butanone
Concen: 9.507 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 43 Resp: 6561
Ion Ratio Lower Upper
43 100
72 17.9 20.5 30.7#

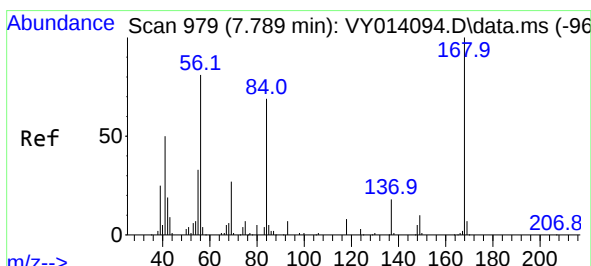
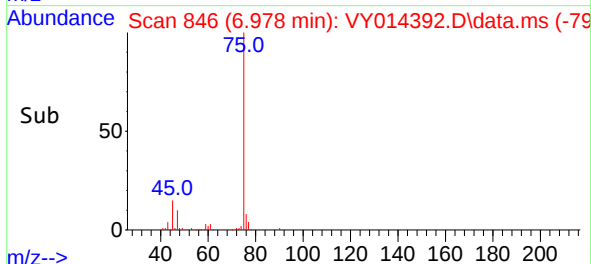
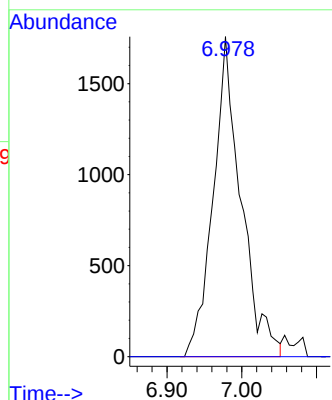
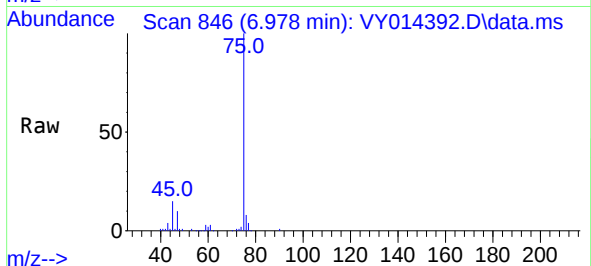




#26
2,2-Dichloropropane
Concen: 1.588 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

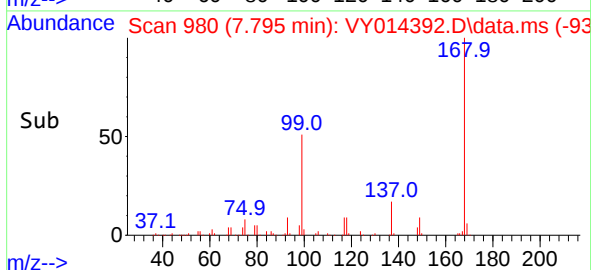
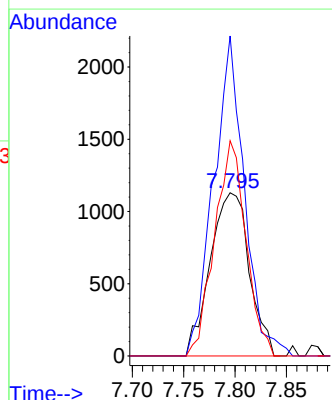
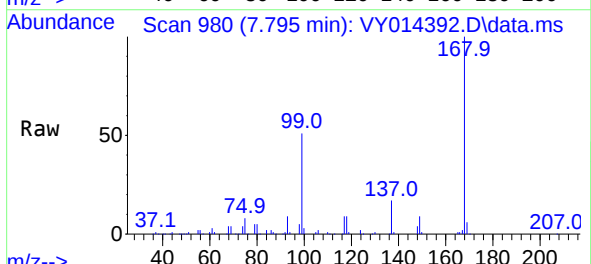
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

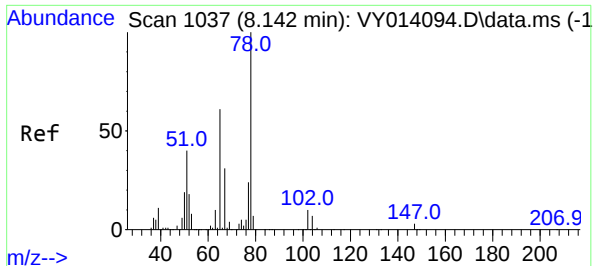
Tgt Ion: 77 Resp: 4552
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 56 Resp: 2983
Ion Ratio Lower Upper
56 100
69 196.0 27.8 41.6#
84 131.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 41.360 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014392.D

Acq: 22 Jun 2023 20:19

Instrument :

MSVOA_Y

ClientSampleId :

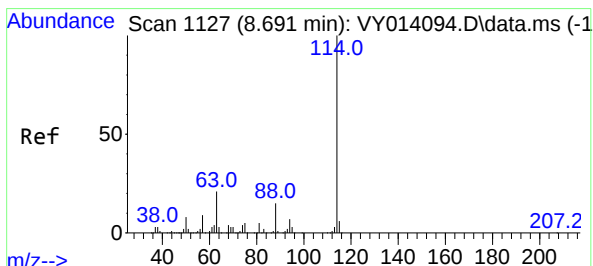
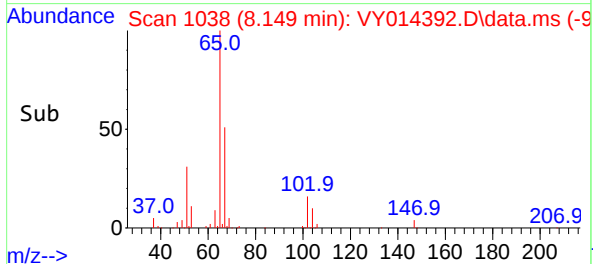
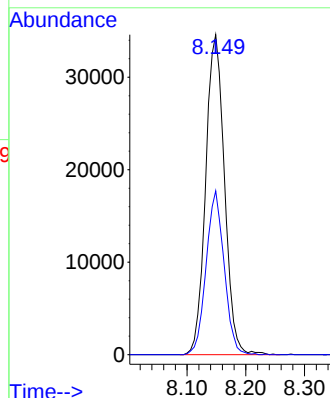
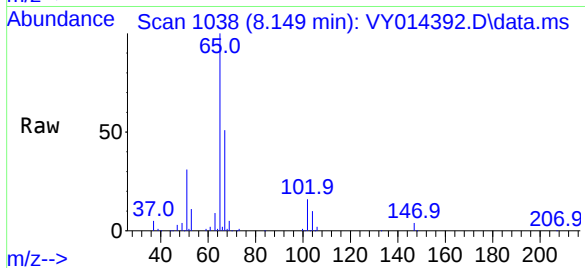
ORA-1650

Tgt Ion: 65 Resp: 76927

Ion Ratio Lower Upper

65 100

67 49.1 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: VY014392.D

Acq: 22 Jun 2023 20:19

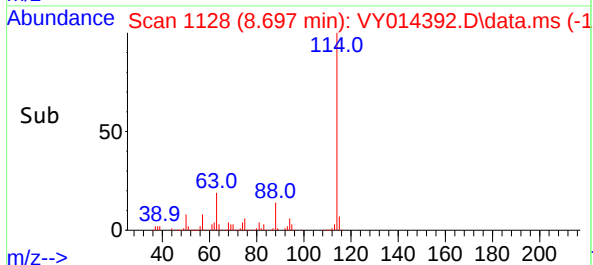
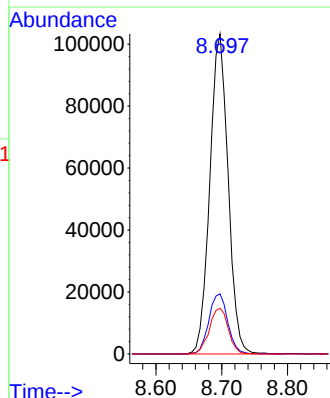
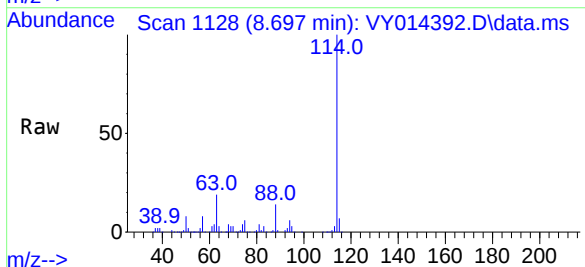
Tgt Ion:114 Resp: 199498

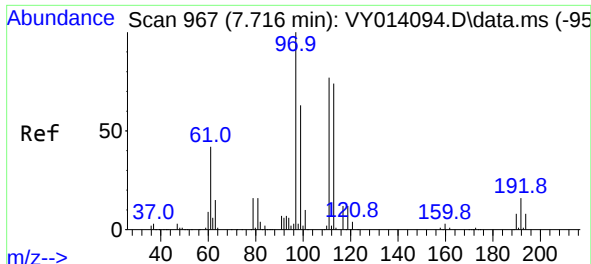
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.2 0.0 30.6

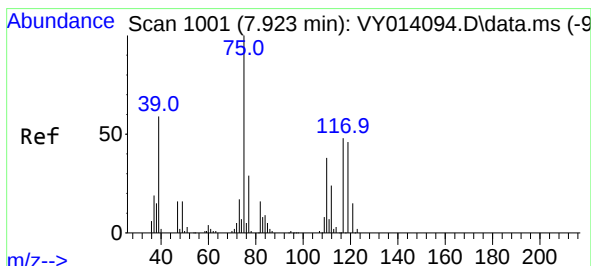
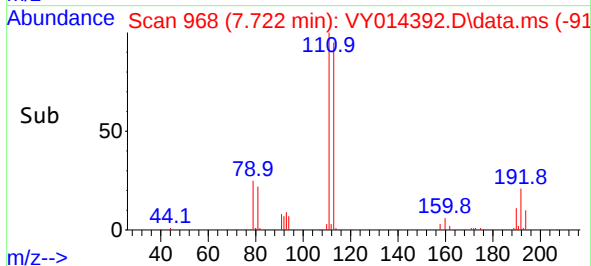
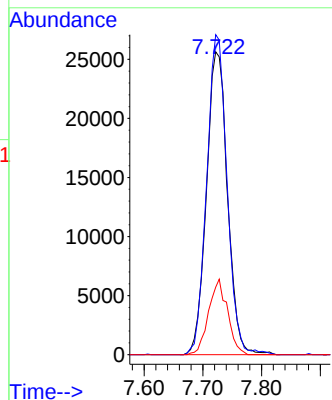
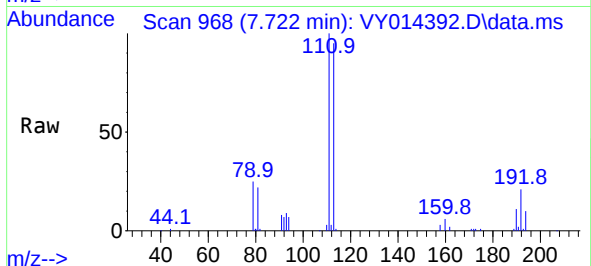




#35
Dibromofluoromethane
Concen: 45.049 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

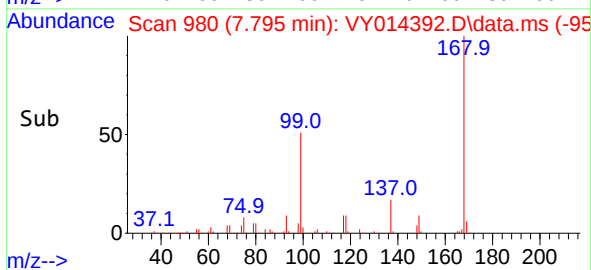
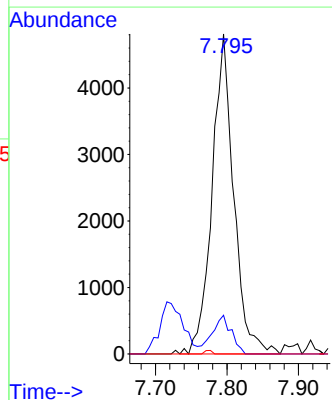
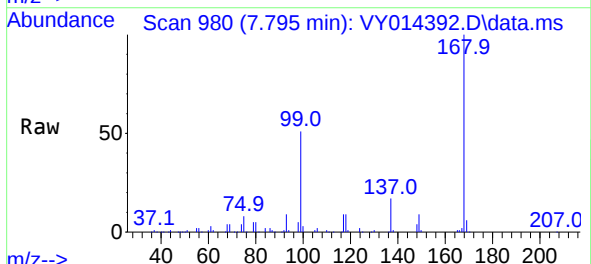
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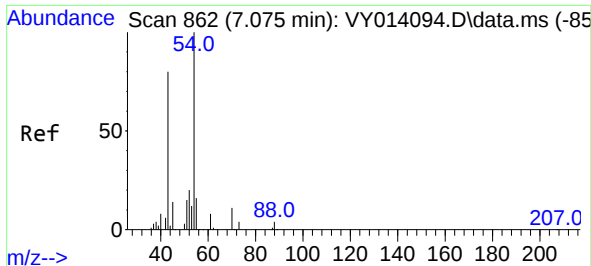
Tgt Ion:113 Resp: 63735
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 22.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 75 Resp: 10097
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.4 24.4 36.6#

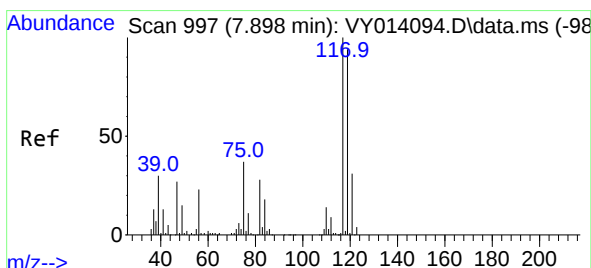
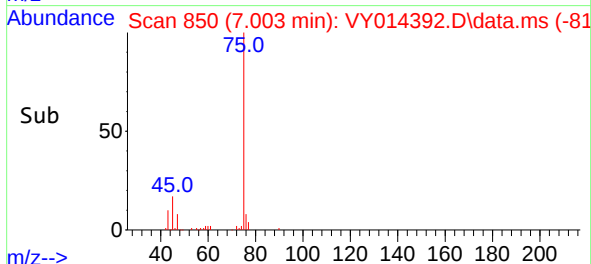
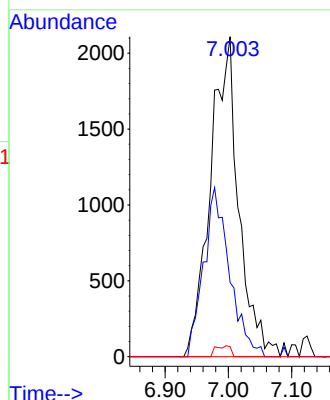
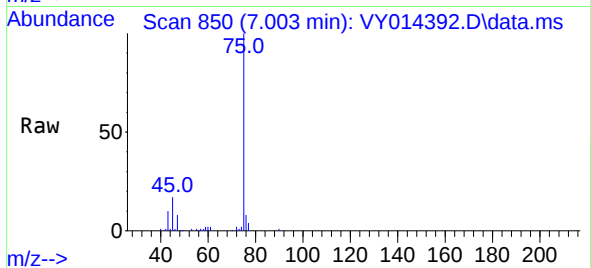




#37
Ethyl Acetate
Concen: 4.311 ug/l
RT: 7.003 min Scan# 81
Delta R.T. -0.072 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

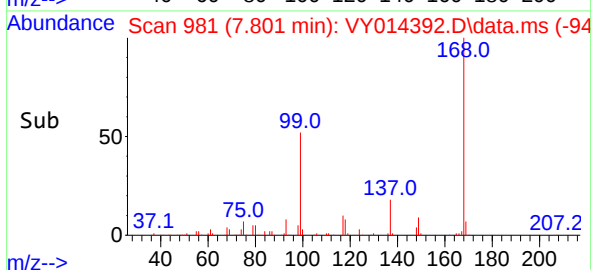
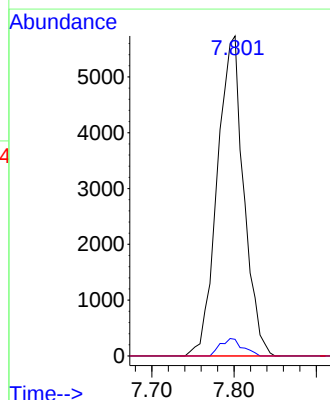
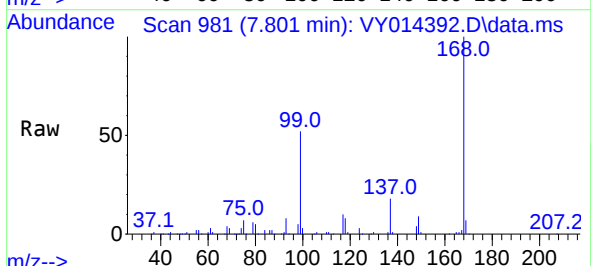
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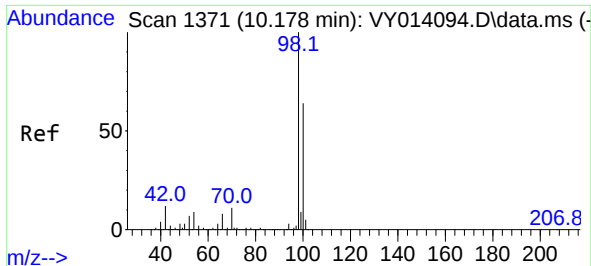
Tgt Ion: 43 Resp: 6561
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 1.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 117 Resp: 12822
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#

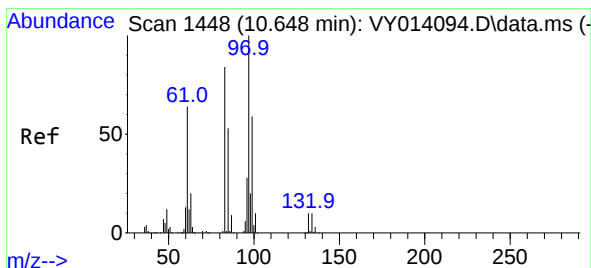
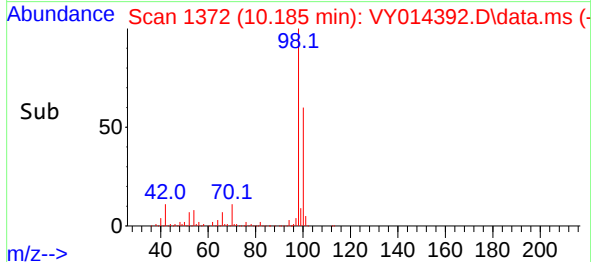
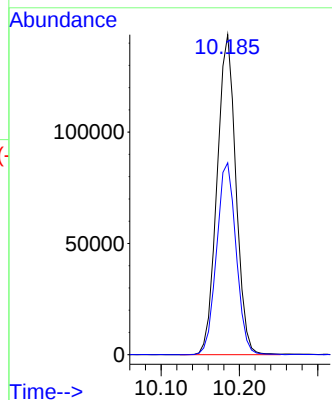
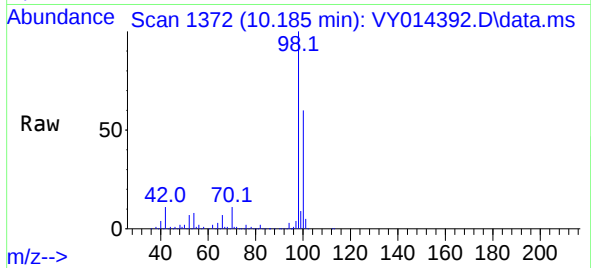




#50
Toluene-d8
Concen: 45.479 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

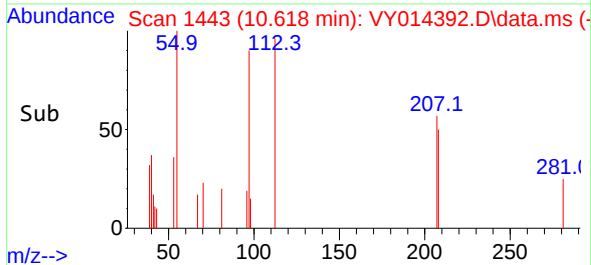
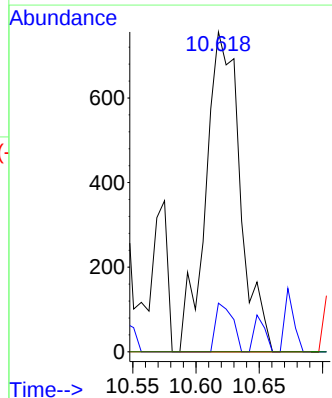
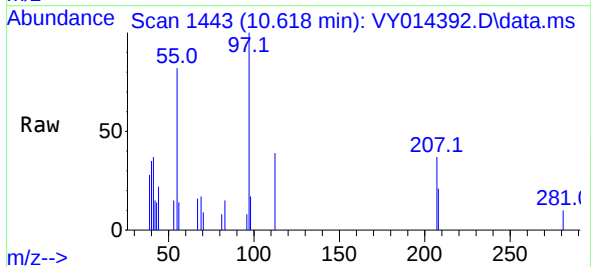
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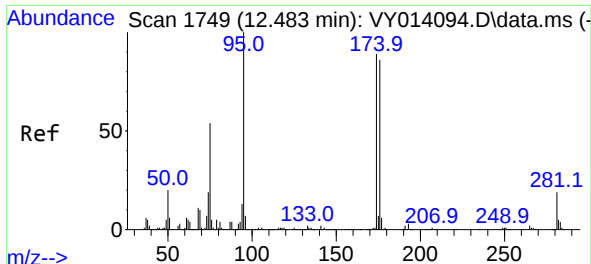
Tgt Ion: 98 Resp: 240553
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 1.054 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 97 Resp: 1433
Ion Ratio Lower Upper
97 100
83 15.2 72.0 108.0#
85 0.0 45.4 68.0#
99 0.0 50.3 75.5#

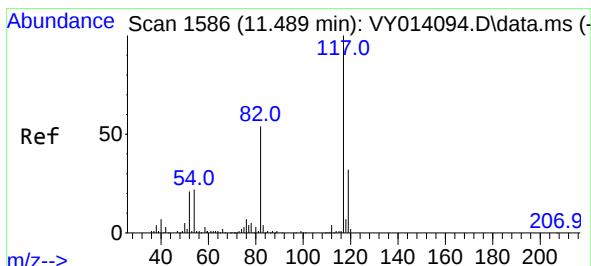
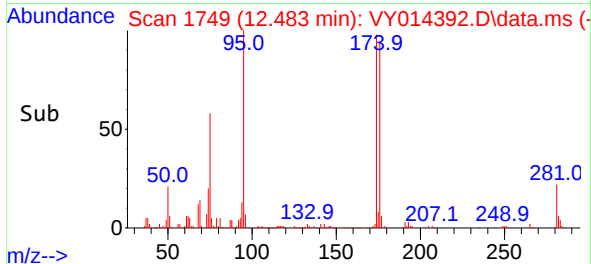
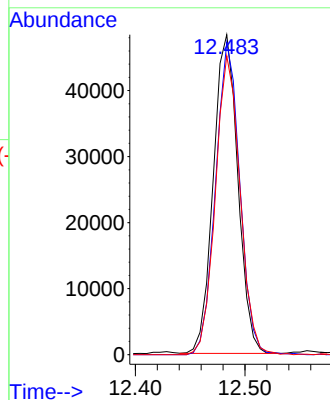
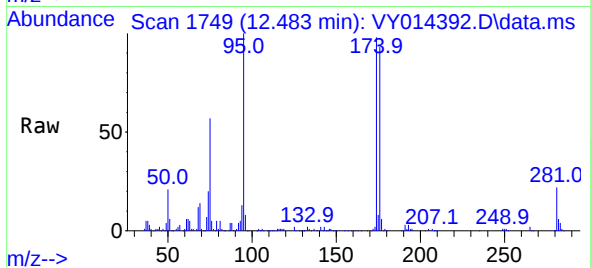




#62
4-Bromofluorobenzene
Concen: 39.941 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

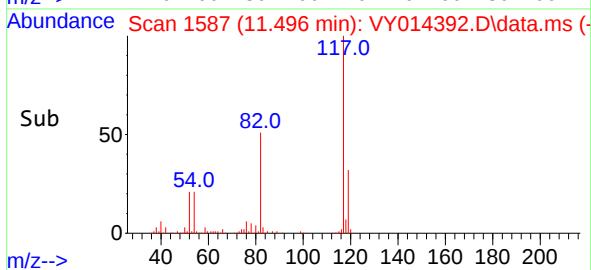
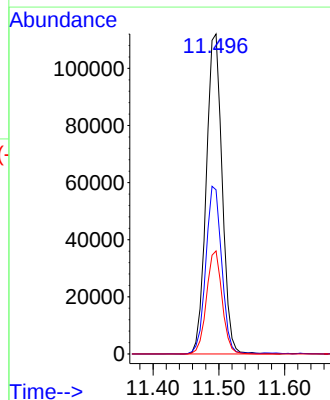
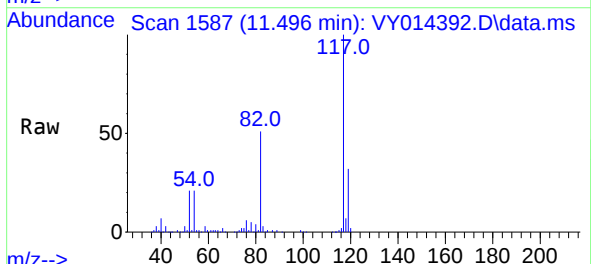
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

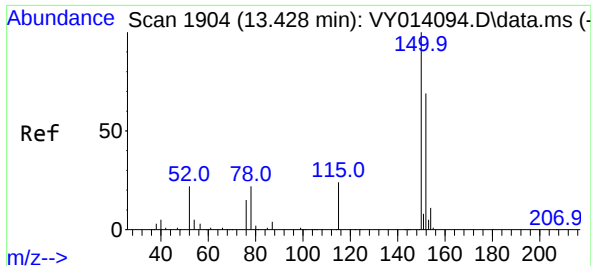
Tgt Ion: 95 Resp: 75046
Ion Ratio Lower Upper
95 100
174 96.8 0.0 178.2
176 94.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 117 Resp: 188138
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 32.2 26.3 39.5

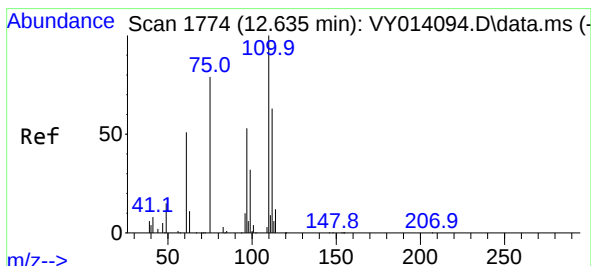
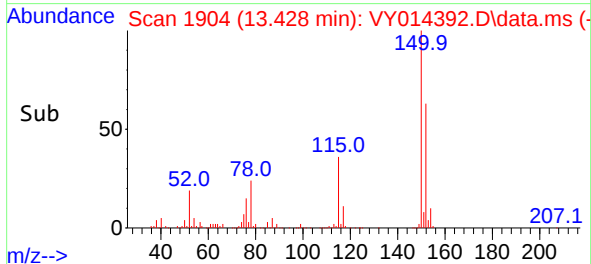
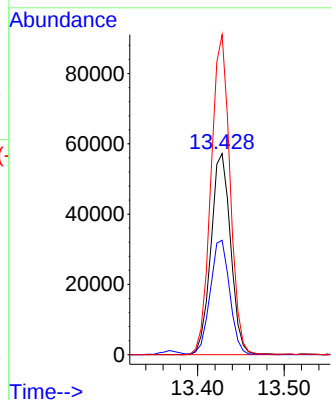
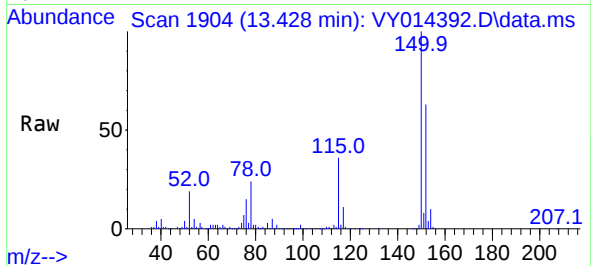




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

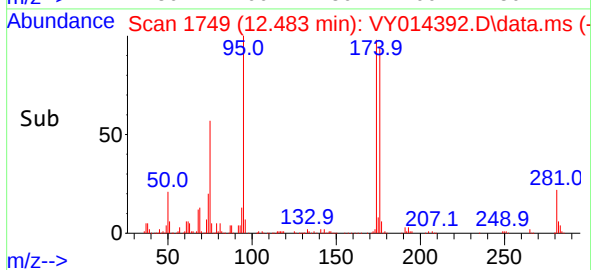
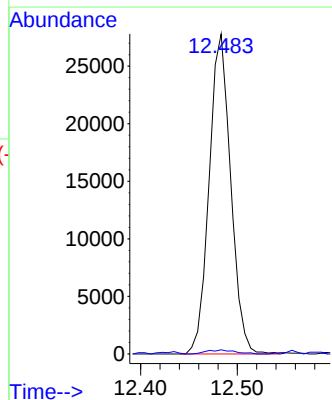
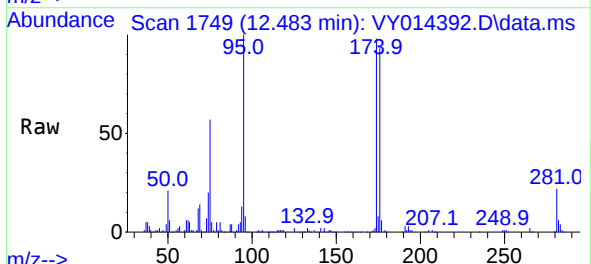
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

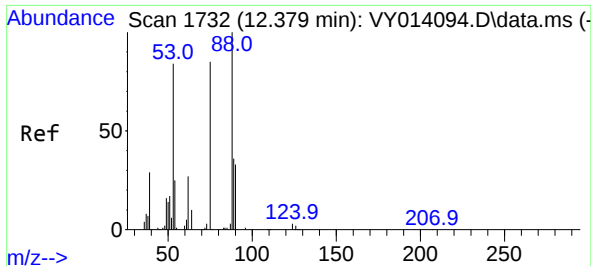
Tgt Ion:152 Resp: 90409
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 153.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.329 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 75 Resp: 43092
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

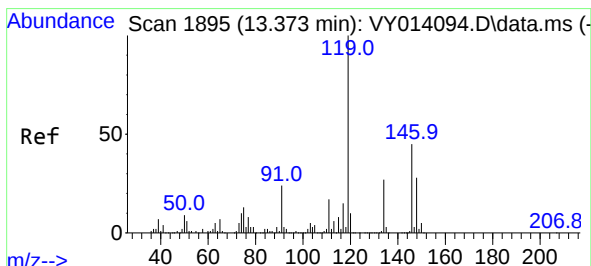
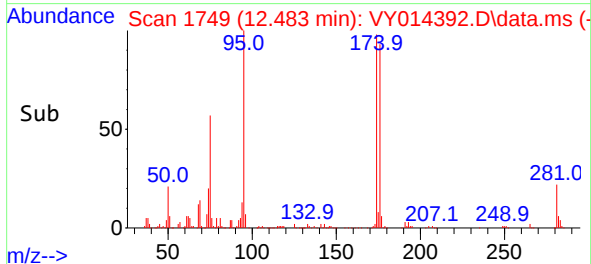
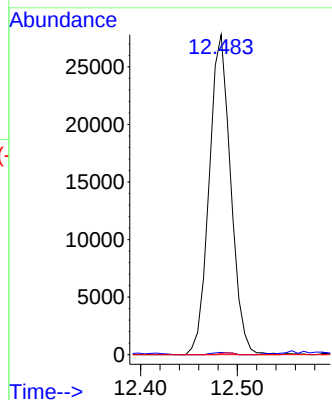
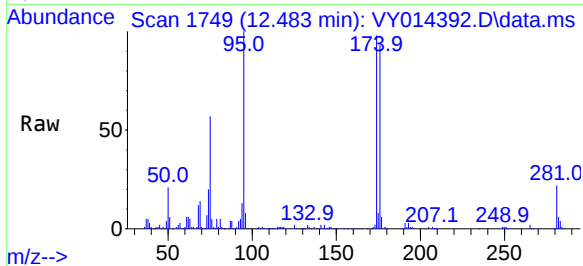




#81
trans-1,4-Dichloro-2-butene
Concen: 78.530 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

Tgt Ion: 75 Resp: 43092
Ion Ratio Lower Upper
75 100
53 0.6 77.8 116.8#
89 0.3 37.4 56.0#



#86
p-Isopropyltoluene
Concen: 2.452 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 119 Resp: 15309
Ion Ratio Lower Upper
119 100
134 28.9 13.3 39.8
91 29.5 12.4 37.4

