

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014560.D
 Acq On : 05 Jul 2023 15:56
 Operator : KP/MD
 Sample : 03475-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ALDENE-COMP-1

Quant Time: Jul 06 01:33:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	224739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	366301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141324	63.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.420%
35) Dibromofluoromethane	7.710	113	123468	54.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.480%
50) Toluene-d8	10.173	98	444600	49.859	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.720%
62) 4-Bromofluorobenzene	12.477	95	147046	47.490	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.980%

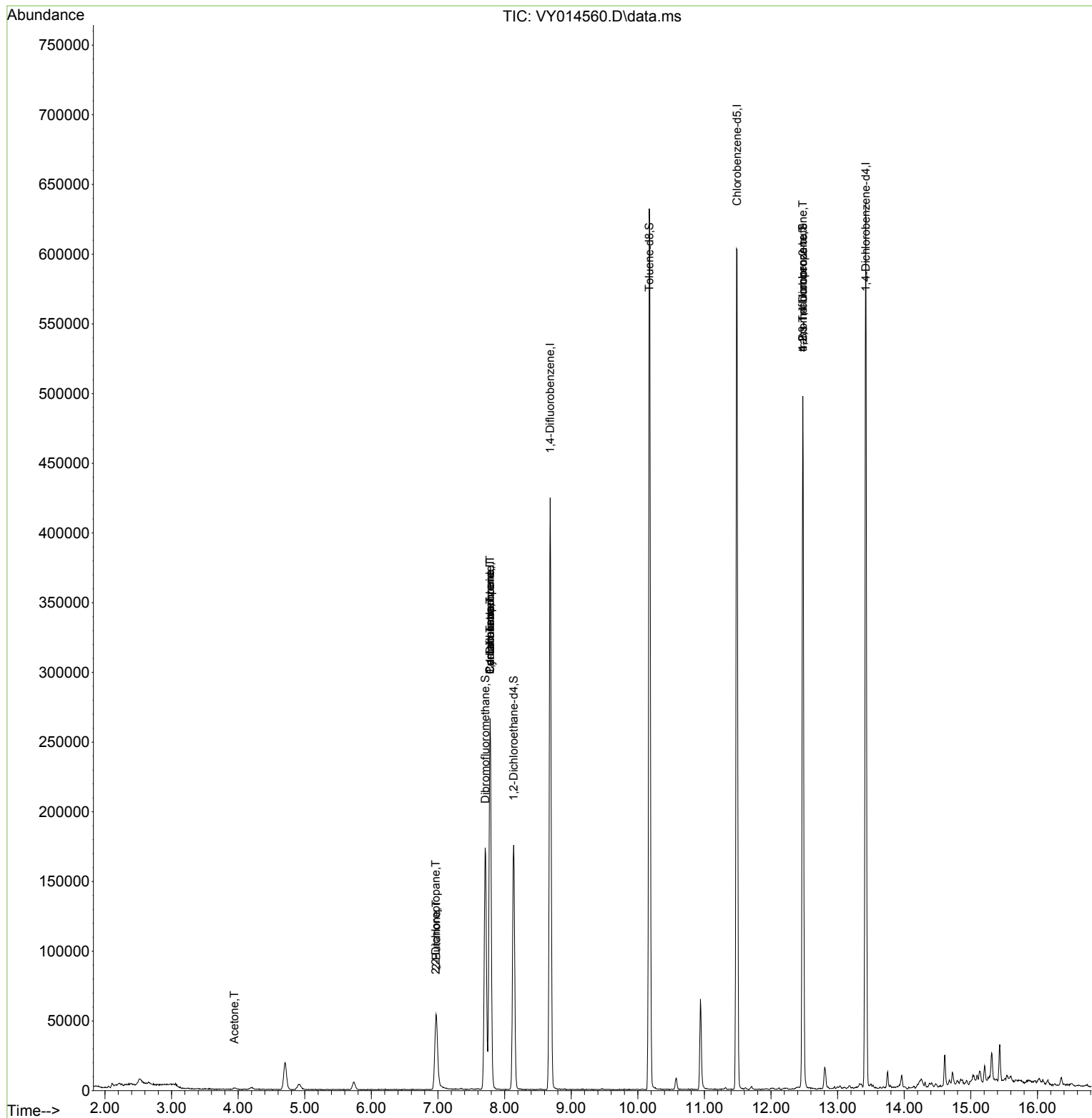
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	255	Below Cal	#	43
11) Tert butyl alcohol	4.997	59	110	Below Cal	#	89
16) Acetone	3.942	43	1861	2.666	ug/l #	87
25) 2-Butanone	6.972	43	2934	2.838	ug/l #	80
26) 2,2-Dichloropropane	6.966	77	3924	1.120	ug/l #	54
31) Cyclohexane	7.783	56	3954	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16115	4.665	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19346	5.365	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	72295	35.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72295	69.810	ug/l #	11

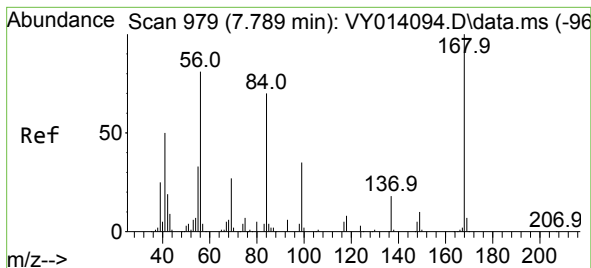
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY014560.D

Acq: 05 Jul 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

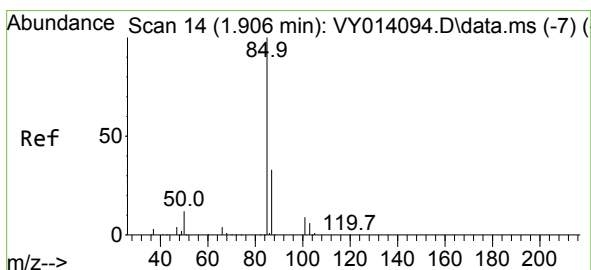
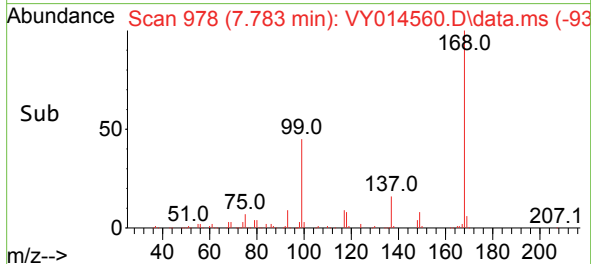
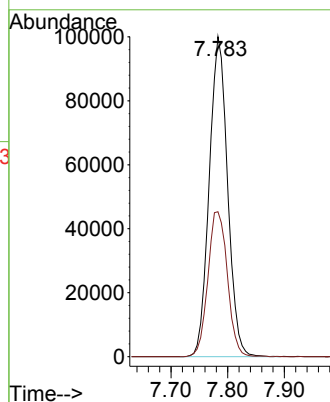
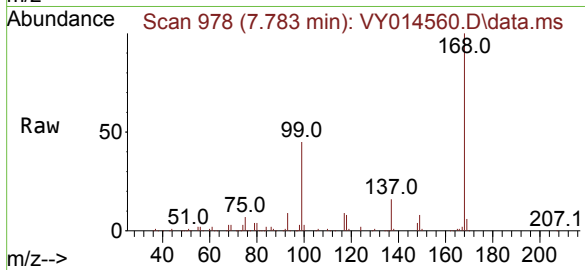
ALDENE-COMP-1

Tgt Ion:168 Resp: 224739

Ion Ratio Lower Upper

168 100

99 45.3 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.900 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY014560.D

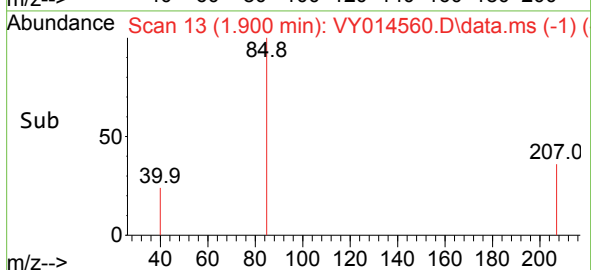
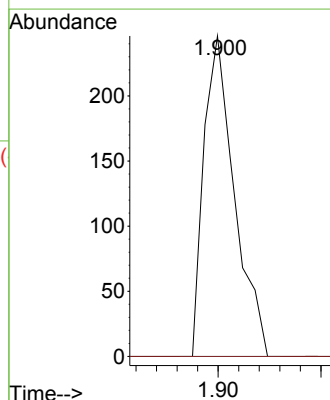
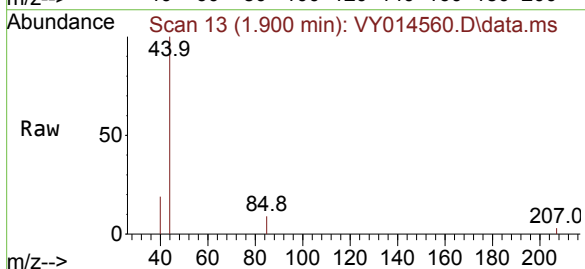
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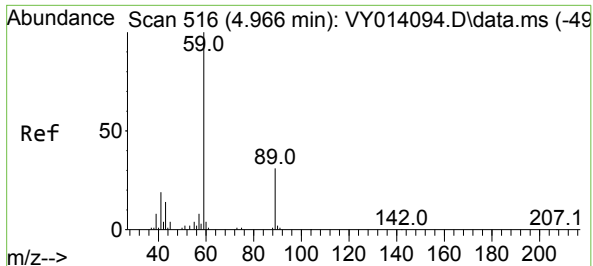
Tgt Ion: 85 Resp: 255

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.997 min Scan# 51

Delta R.T. 0.031 min

Lab File: VY014560.D

Acq: 05 Jul 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

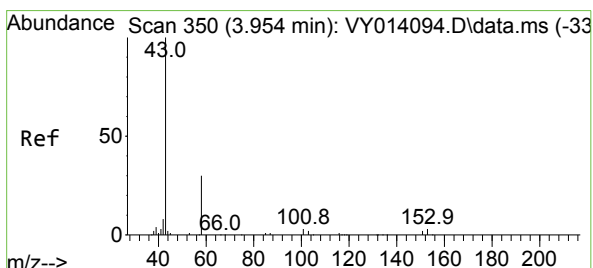
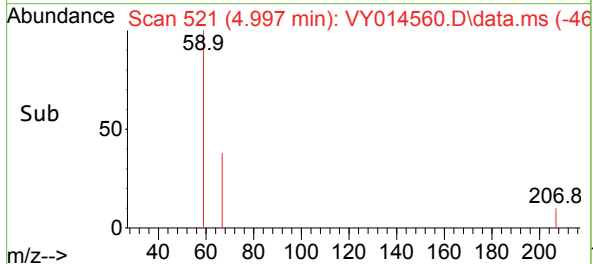
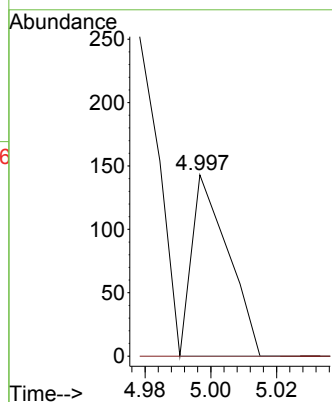
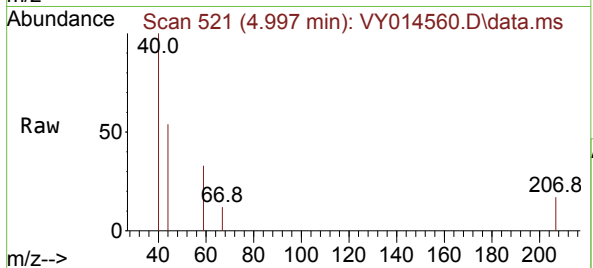
ALDENE-COMP-1

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.666 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014560.D

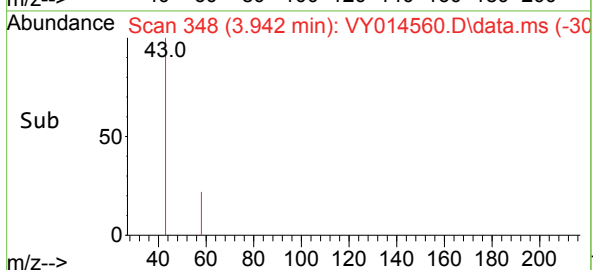
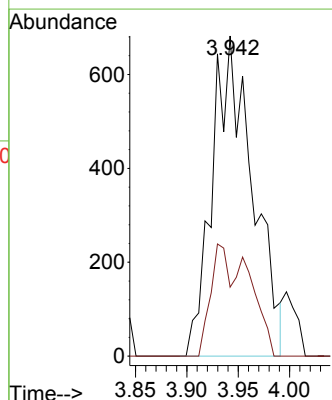
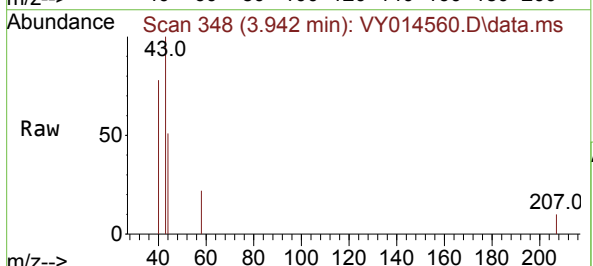
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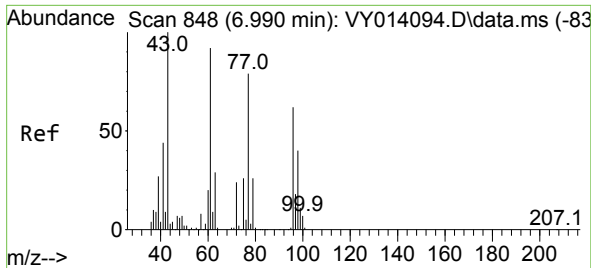
Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

43 100

58 21.6 22.7 34.1#

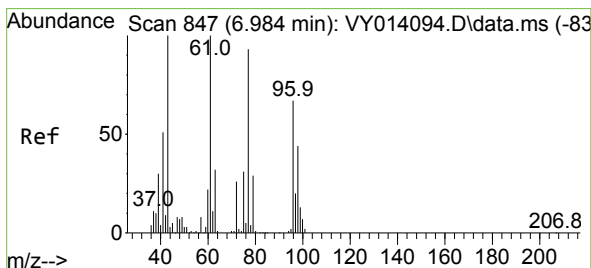
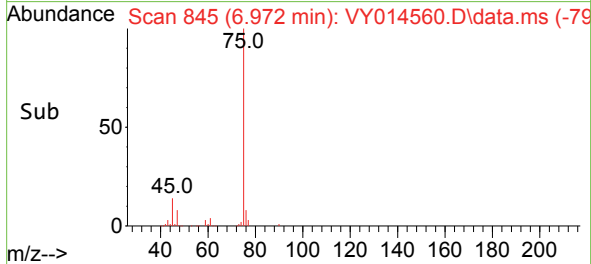
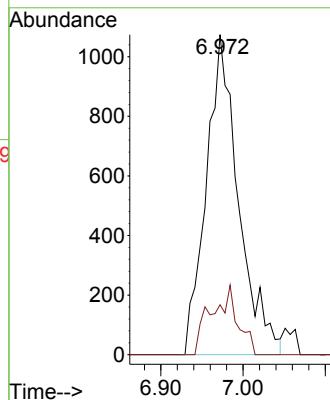
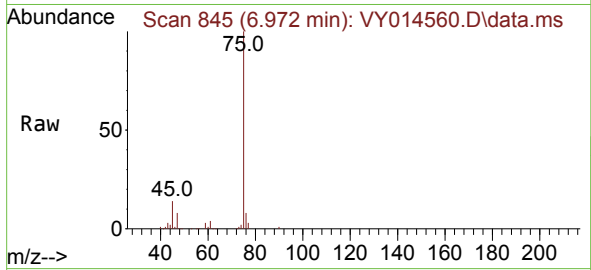




#25
2-Butanone
Concen: 2.838 ug/l
RT: 6.972 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

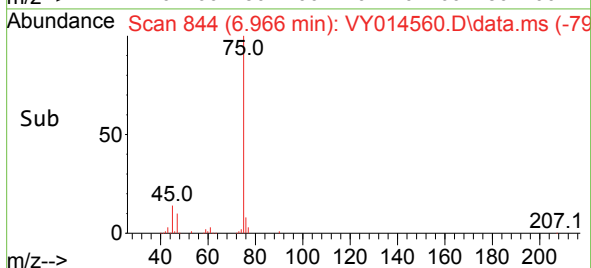
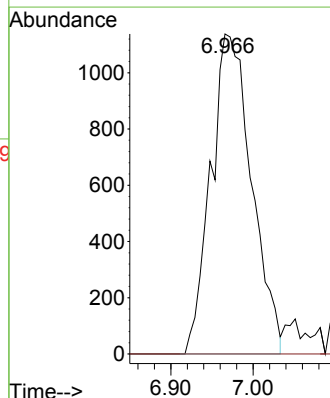
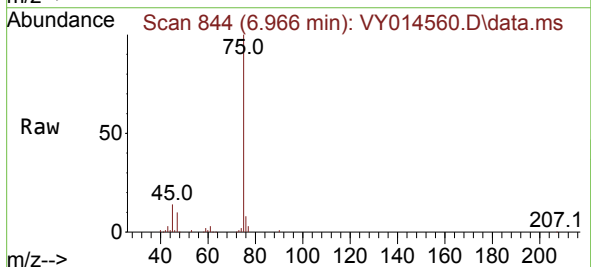
Instrument :
MSVOA_Y
ClientSampleId :
ALDENE-COMP-1

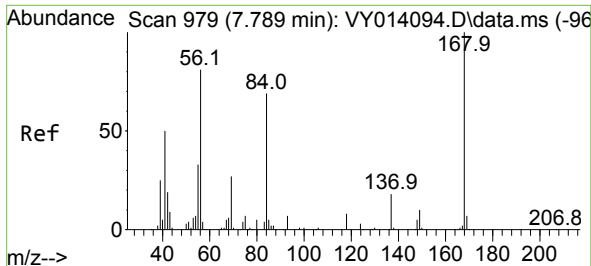
Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
72 15.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.120 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Tgt Ion: 77 Resp: 3924
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

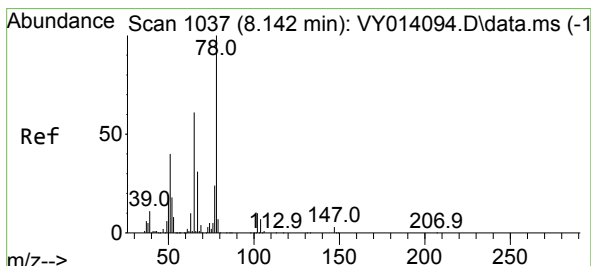
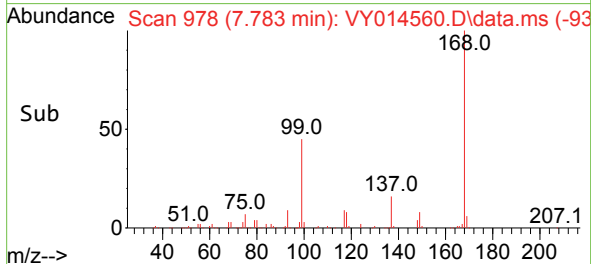
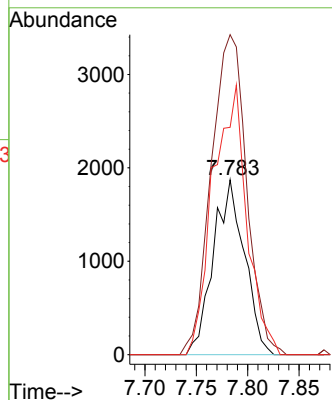
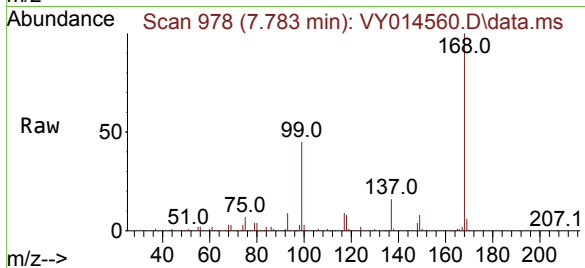




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

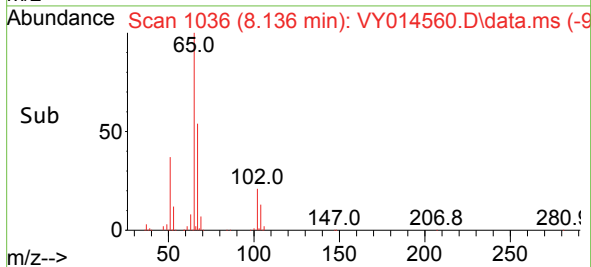
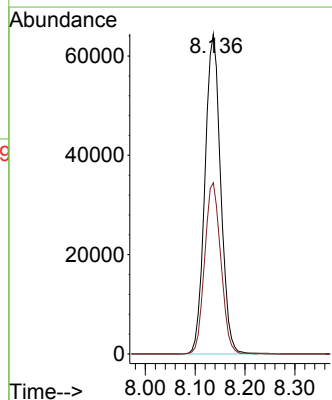
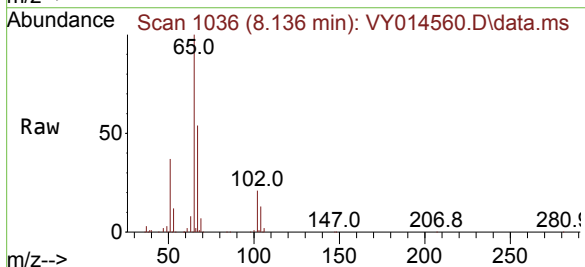
Instrument :
MSVOA_Y
ClientSampleId :
ALDENE-COMP-1

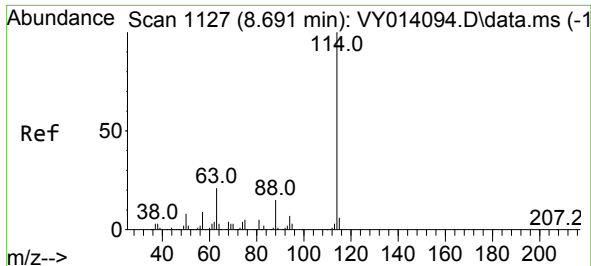
Tgt Ion: 56 Resp: 3954
Ion Ratio Lower Upper
56 100
69 182.9 27.8 41.6#
84 130.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 63.213 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Tgt Ion: 65 Resp: 141324
Ion Ratio Lower Upper
65 100
67 54.8 0.0 101.8

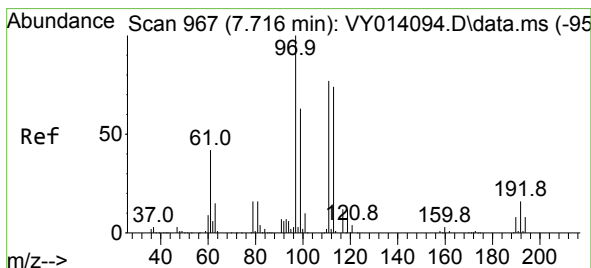
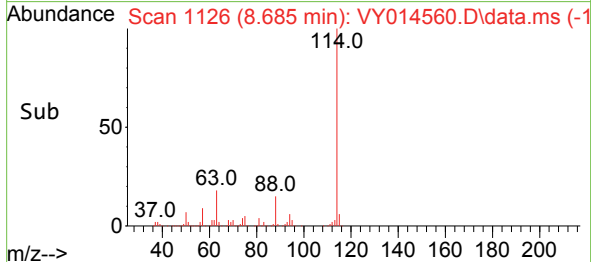
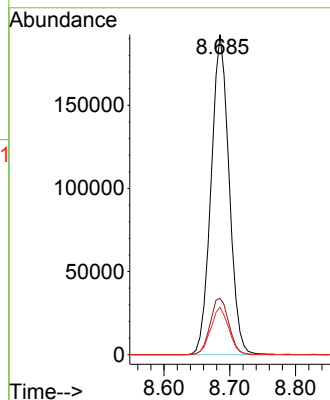
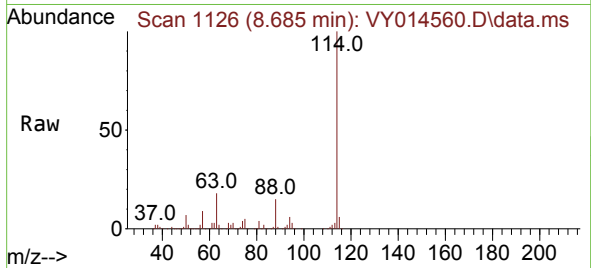




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

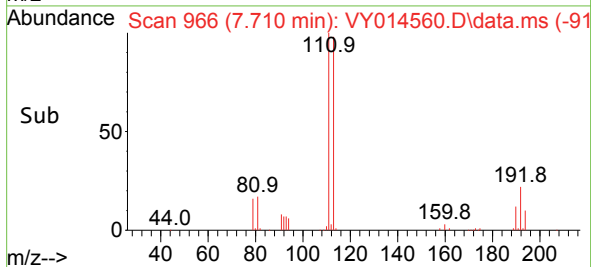
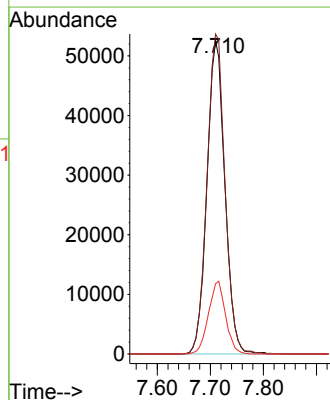
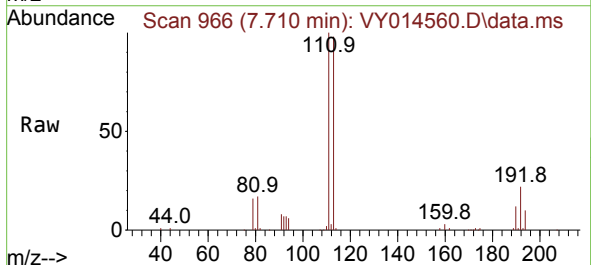
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ClientSampleId :
ALDENE-COMP-1

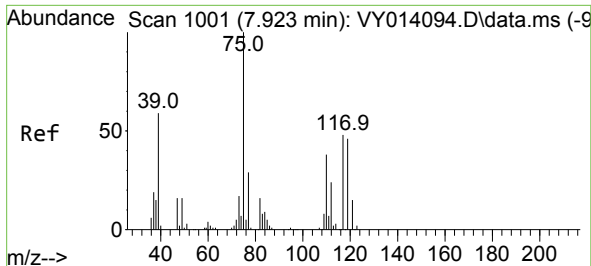
Tgt Ion:114 Resp: 366301
Ion Ratio Lower Upper
114 100
63 17.6 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.736 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Tgt Ion:113 Resp: 123468
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 22.2 16.9 25.3

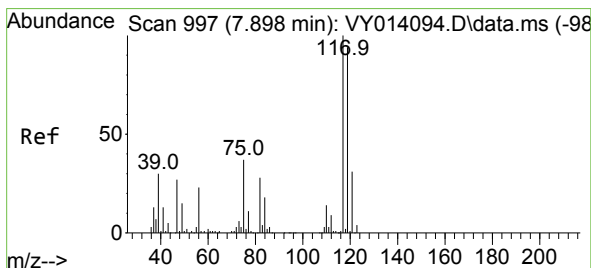
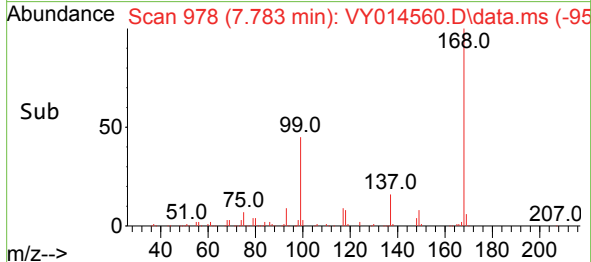
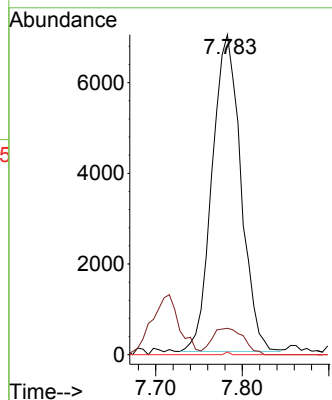
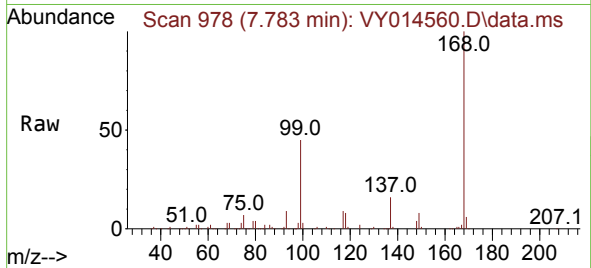




#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY014560.D
 Acq: 05 Jul 2023 15:56

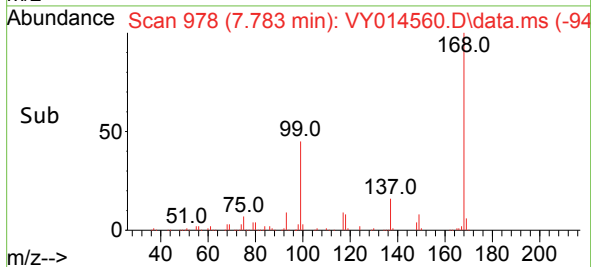
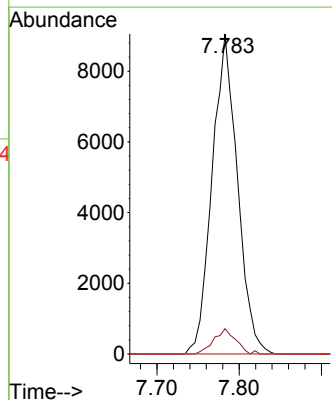
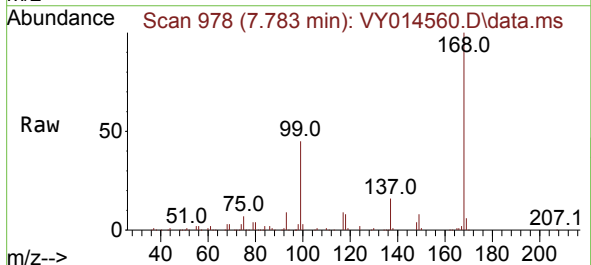
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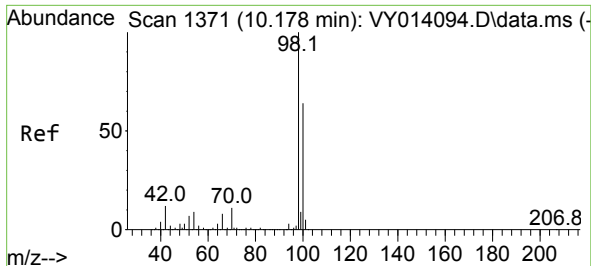
Tgt Ion: 75 Resp: 16115
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.5#
 77 0.1 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.365 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.115 min
 Lab File: VY014560.D
 Acq: 05 Jul 2023 15:56

Tgt Ion: 117 Resp: 19346
 Ion Ratio Lower Upper
 117 100
 119 7.9 76.4 114.6#
 121 0.0 25.8 38.6#

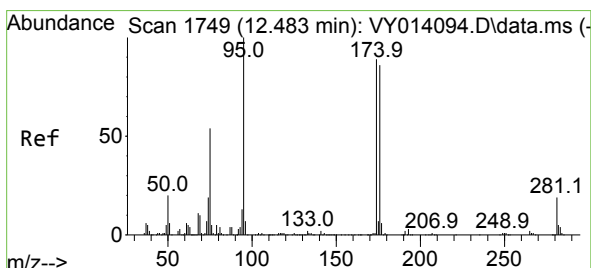
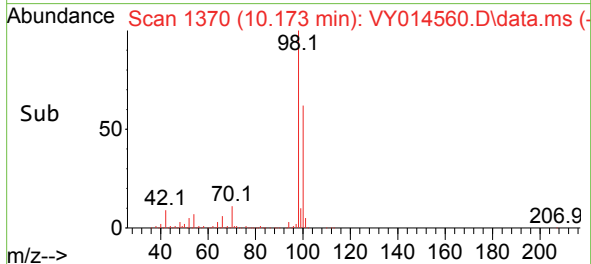
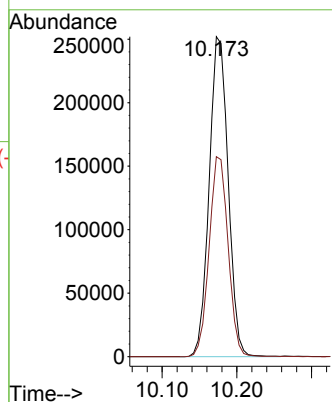
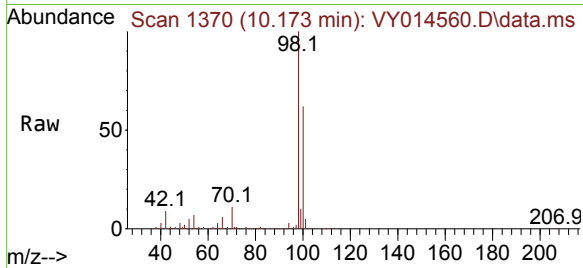




#50
Toluene-d8
Concen: 49.859 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

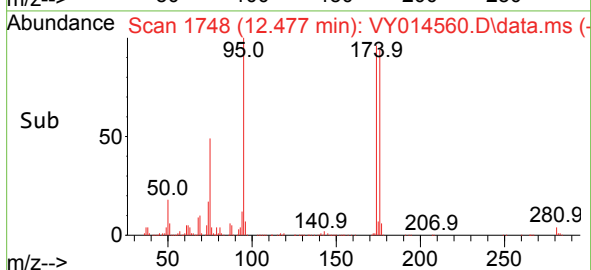
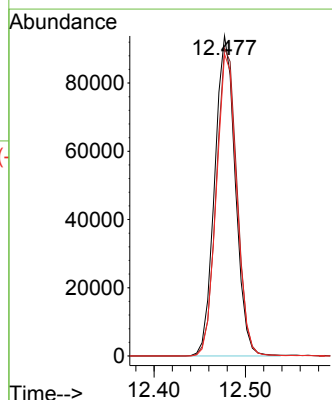
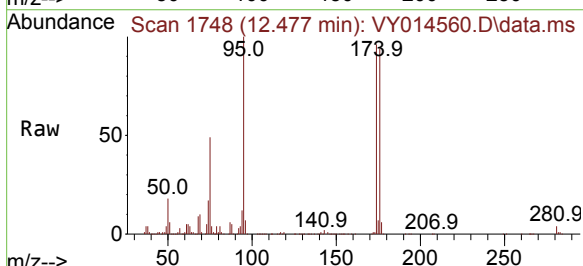
Instrument :
MSVOA_Y
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ALDENE-COMP-1

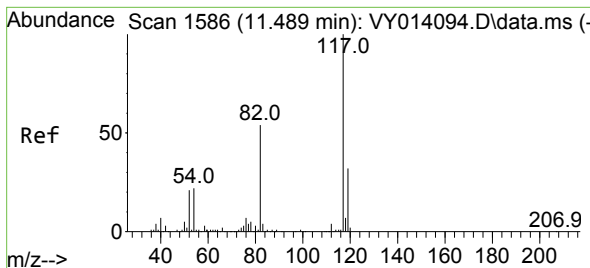
Tgt Ion: 98 Resp: 444600
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.490 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Tgt Ion: 95 Resp: 147046
Ion Ratio Lower Upper
95 100
174 96.6 0.0 178.2
176 93.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014560.D

Acq: 05 Jul 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

ALDENE-COMP-1

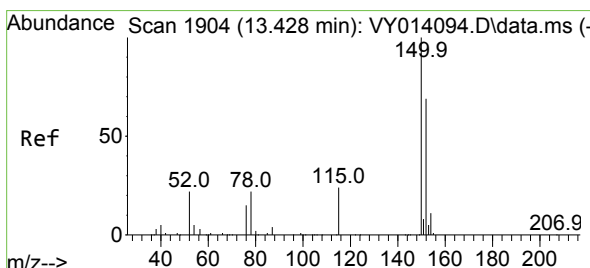
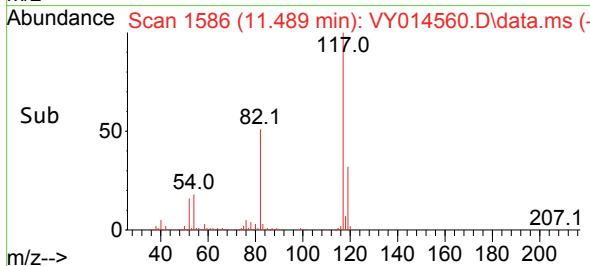
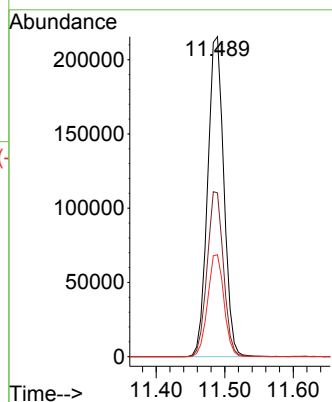
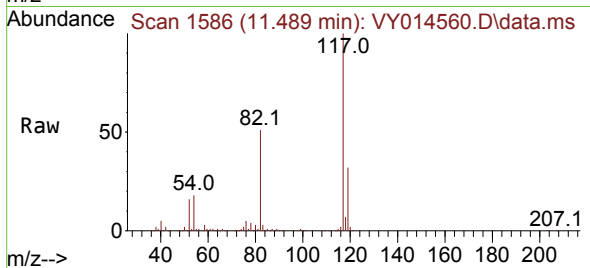
Tgt Ion:117 Resp: 354461

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014560.D

Acq: 05 Jul 2023 15:56

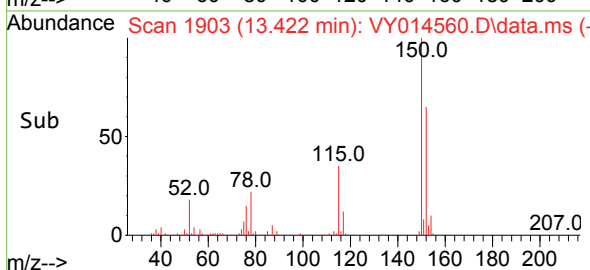
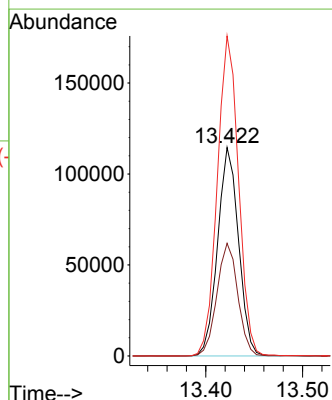
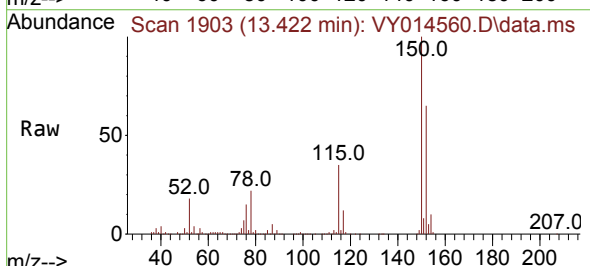
Tgt Ion:152 Resp: 171774

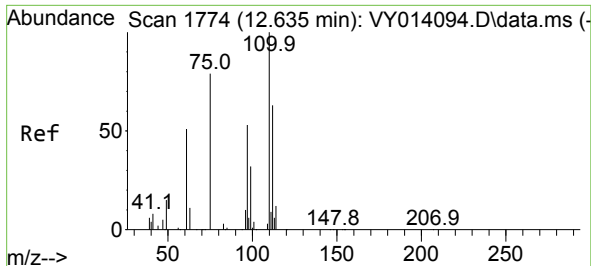
Ion Ratio Lower Upper

152 100

115 54.2 28.8 86.5

150 156.0 0.0 348.8

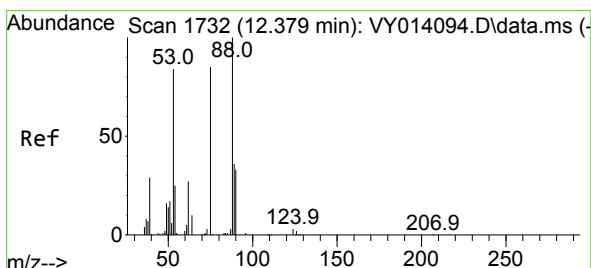
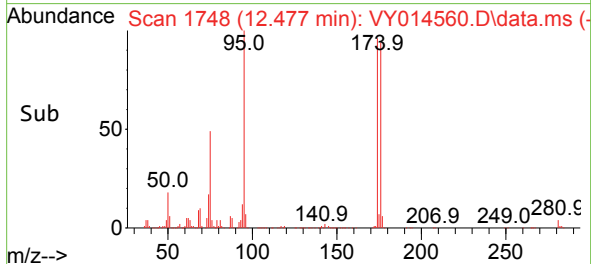
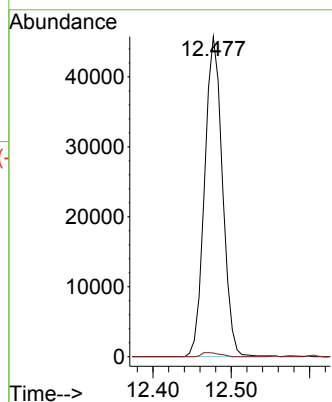
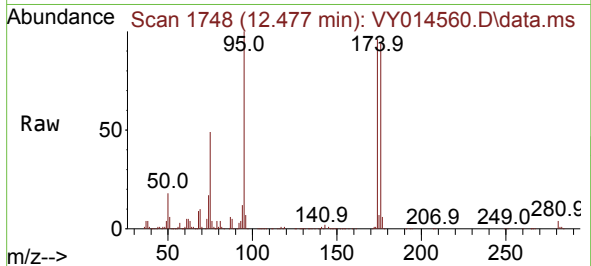




#76
1,2,3-Trichloropropane
Concen: 35.866 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Instrument :
MSVOA_Y
ClientSampleId :
ALDENE-COMP-1

Tgt Ion: 75 Resp: 72295
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.810 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014560.D
Acq: 05 Jul 2023 15:56

Tgt Ion: 75 Resp: 72295
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.2 37.4 56.0#

