

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014197.D
 Acq On : 15 Jun 2023 18:13
 Operator : KP/MD
 Sample : 03235-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PLEASANT

Quant Time: Jun 16 02:11:40 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)

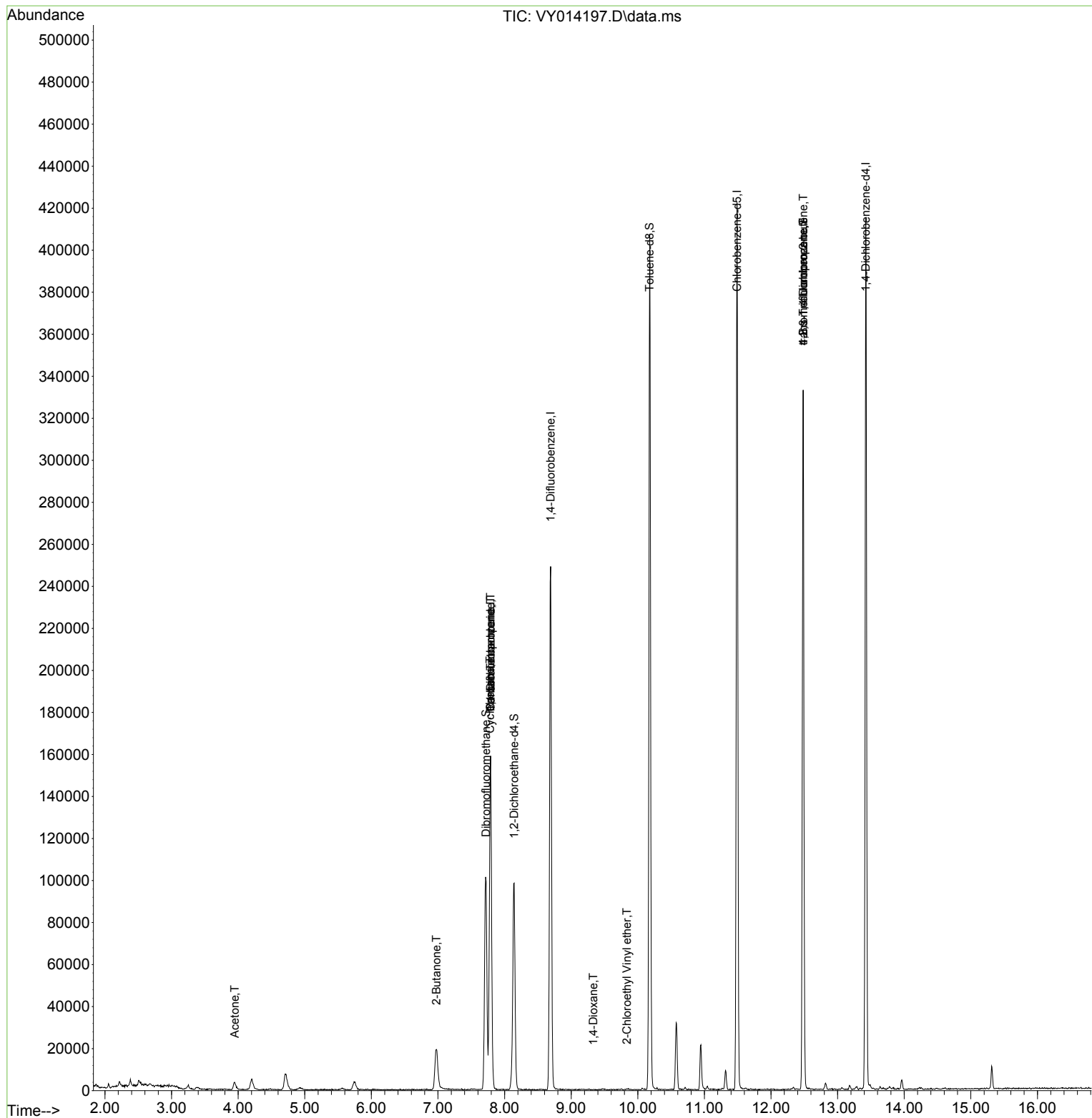
Internal Standards						
1) Pentafluorobenzene	7.789	168	120955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	222238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78705	46.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.460%		
35) Dibromofluoromethane	7.722	113	70771	48.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.100%		
50) Toluene-d8	10.179	98	260947	47.392	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.780%		
62) 4-Bromofluorobenzene	12.483	95	89277	45.644	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	574	Below Cal	#	89
13) Acrolein	3.729	56	73	Below Cal	#	57
16) Acetone	3.948	43	6305	12.419	ug/l	98
20) Methylene Chloride	4.716	84	5497	Below Cal		93
25) 2-Butanone	6.978	43	2055	3.288	ug/l #	82
31) Cyclohexane	7.783	56	2955	1.310	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	9628	4.193	ug/l #	48
38) Carbon Tetrachloride	7.789	117	11972	4.518	ug/l #	16
49) 1,4-Dioxane	9.331	88	64	4.718	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.837	63	22	28.642	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	49467	35.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49467	75.898	ug/l #	11

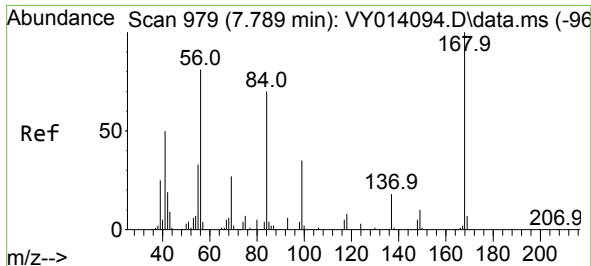
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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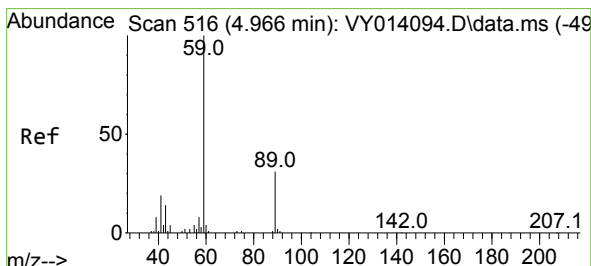
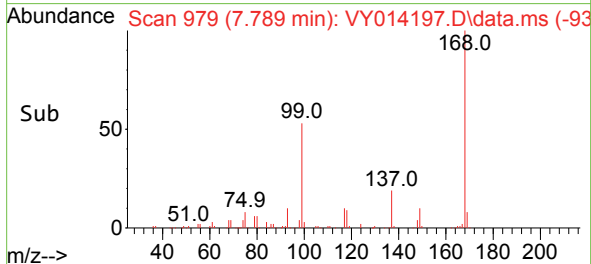
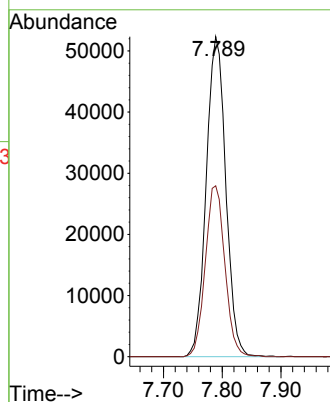
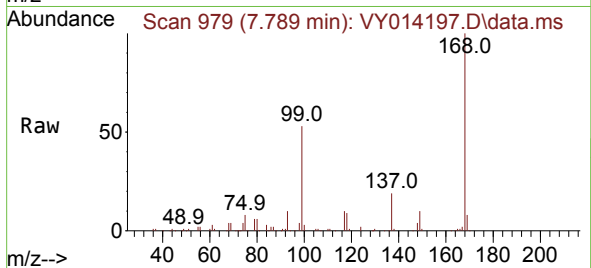




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

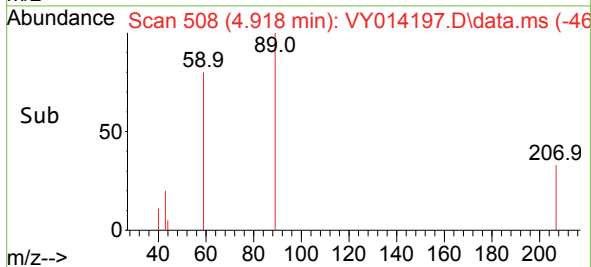
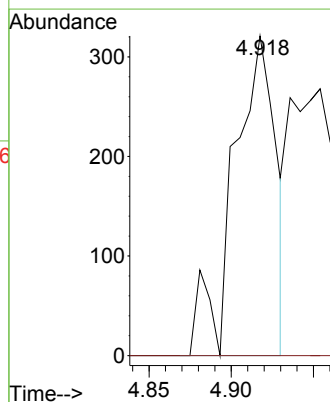
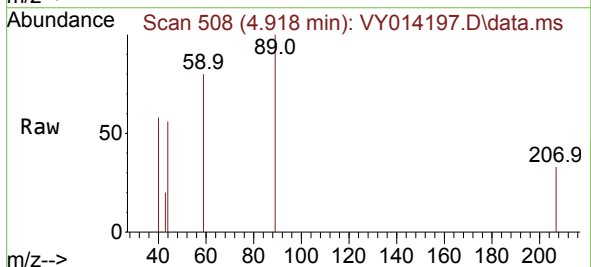
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

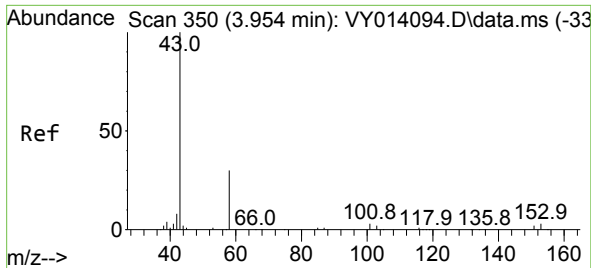
Tgt Ion:168 Resp: 120955
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion: 59 Resp: 574
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

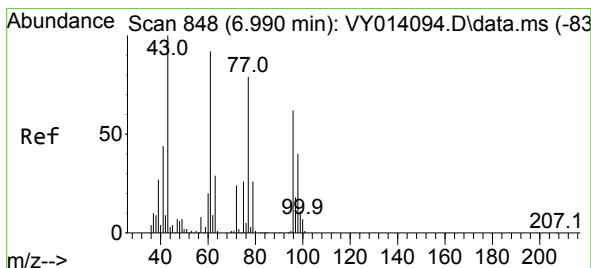
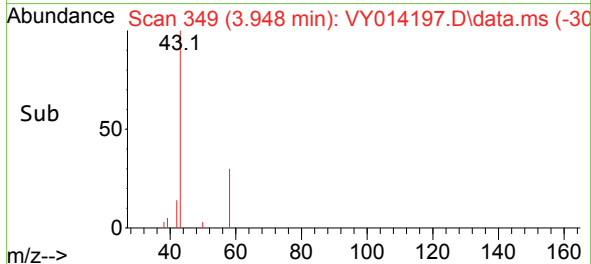
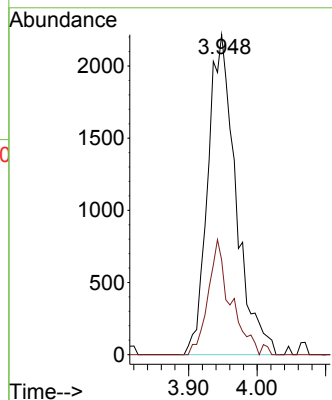
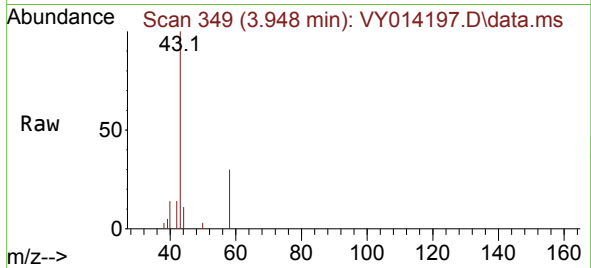




#16
Acetone
Concen: 12.419 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

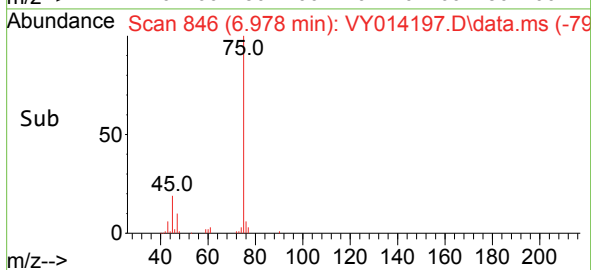
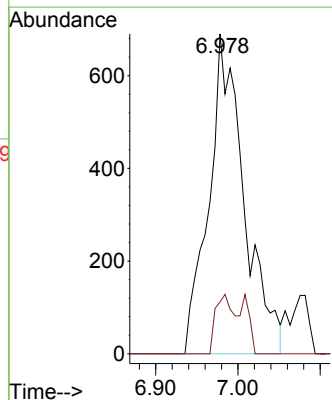
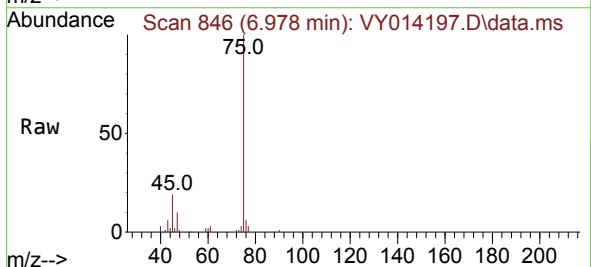
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

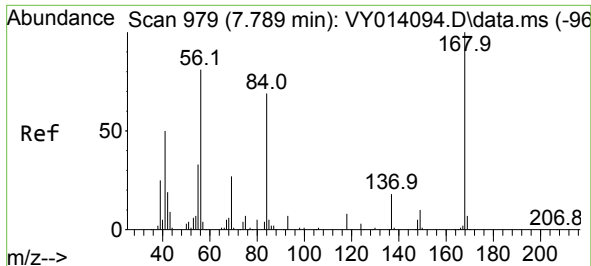
Tgt Ion: 43 Resp: 6305
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



#25
2-Butanone
Concen: 3.288 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
72 16.2 20.5 30.7#

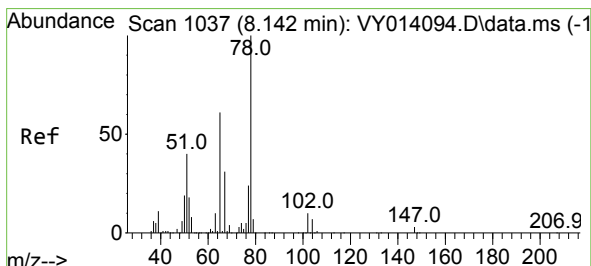
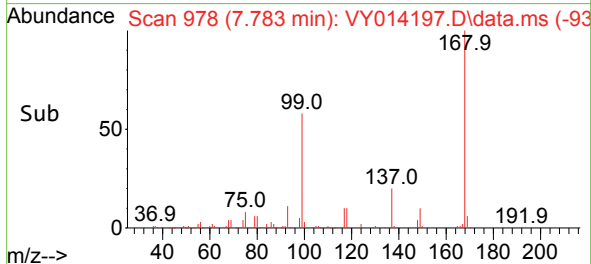
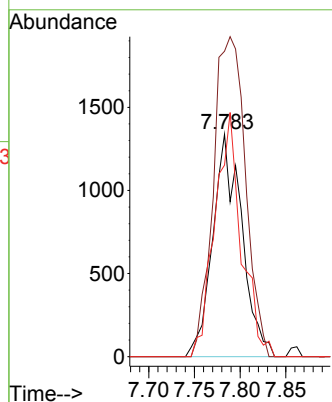
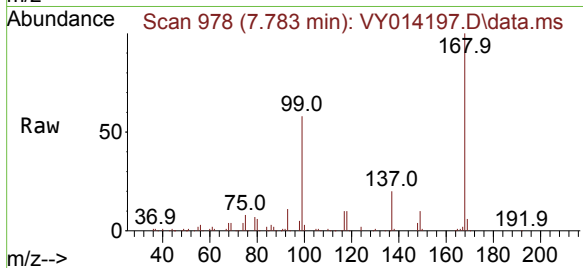




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

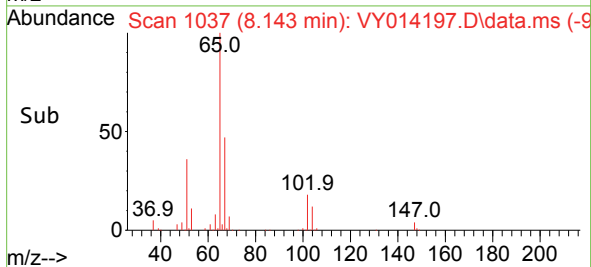
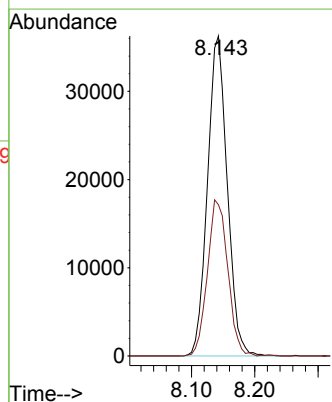
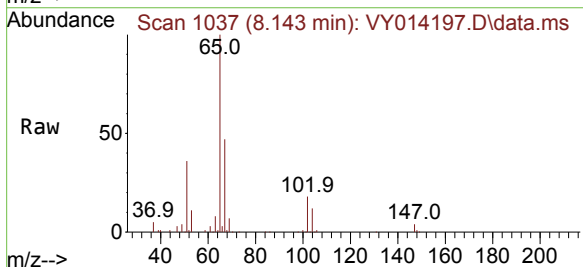
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

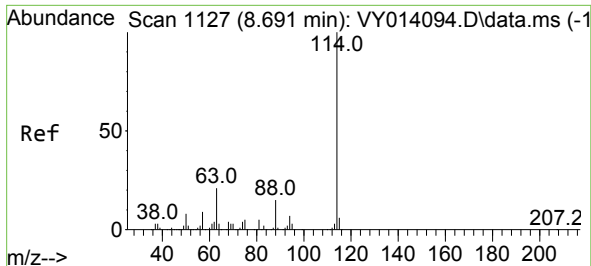
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 137.3 27.8 41.6#
84 91.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 46.728 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion: 65 Resp: 78705
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

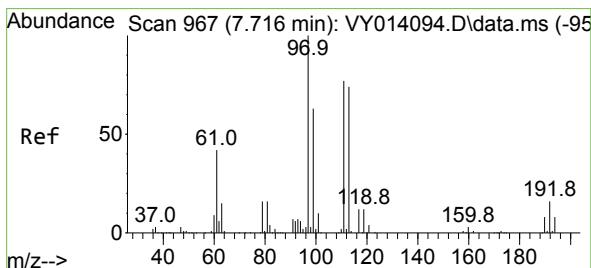
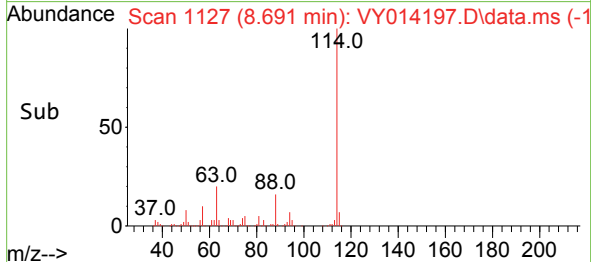
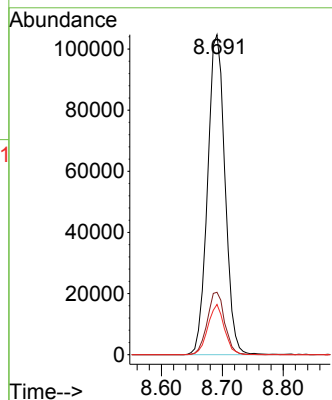
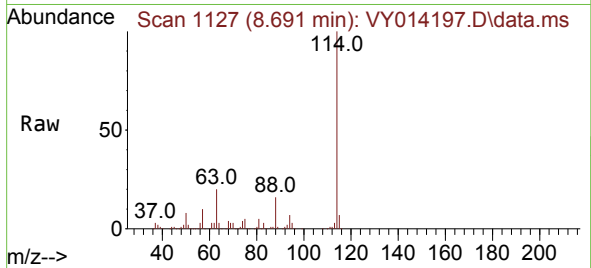




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

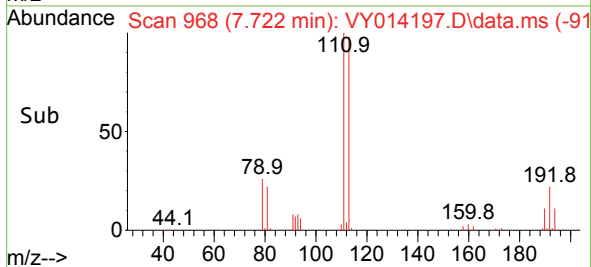
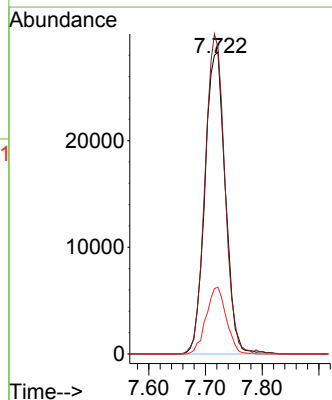
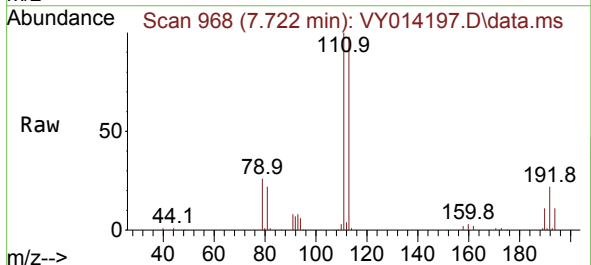
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

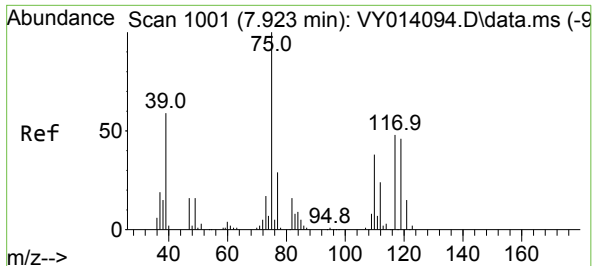
Tgt Ion:114 Resp: 207676
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.052 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion:113 Resp: 70771
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 21.8 16.9 25.3

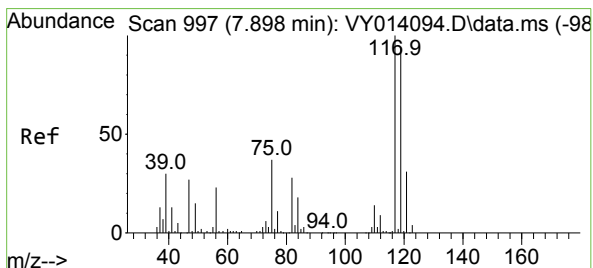
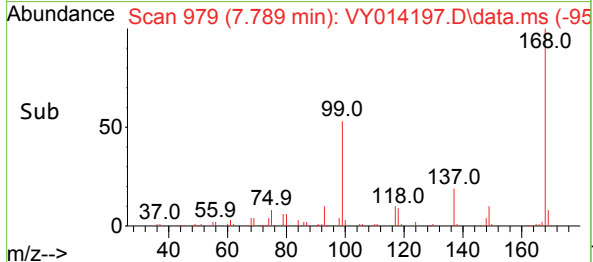
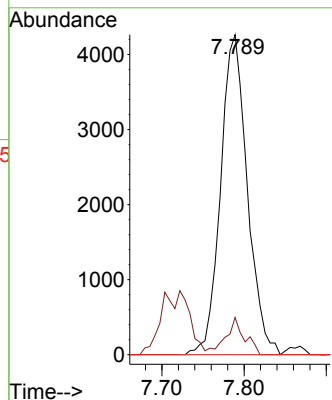
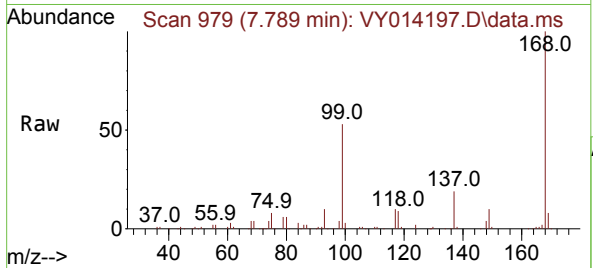




#36
 1,1-Dichloropropene
 Concen: 4.193 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014197.D
 Acq: 15 Jun 2023 18:13

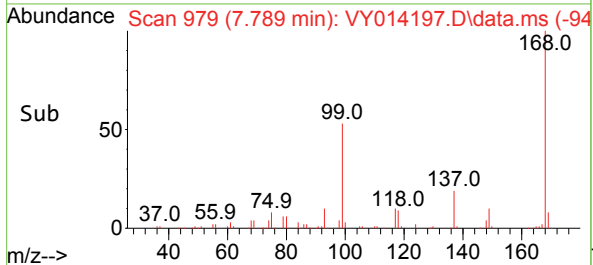
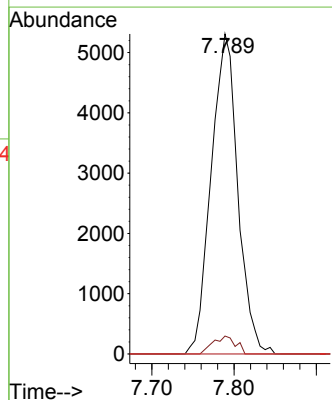
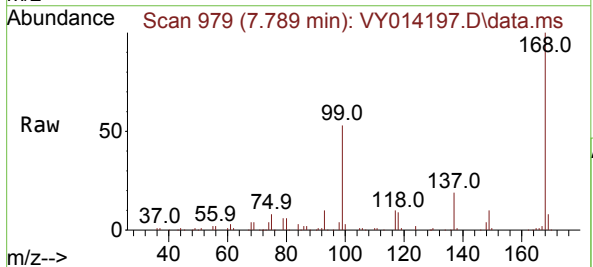
Instrument :
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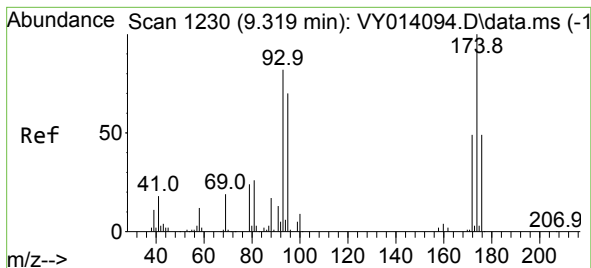
Tgt Ion: 75 Resp: 9628
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.518 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.109 min
 Lab File: VY014197.D
 Acq: 15 Jun 2023 18:13

Tgt Ion: 117 Resp: 11972
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.4 114.6#
 121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 4.718 ug/l

RT: 9.331 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY014197.D

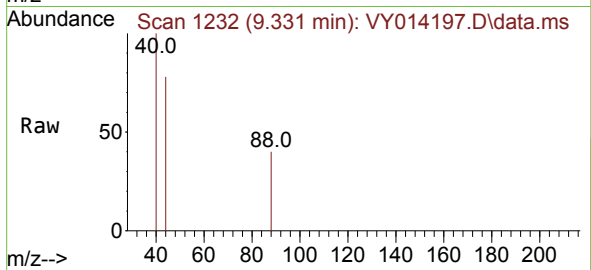
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Instrument :

MSVOA_Y

ClientSampleId :

B-PLEASANT



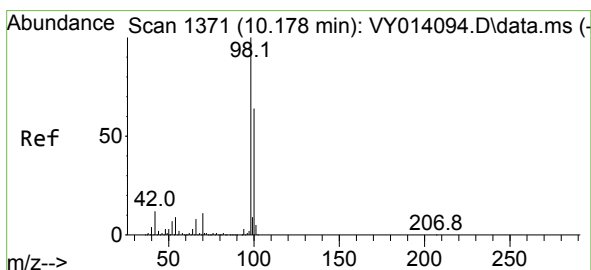
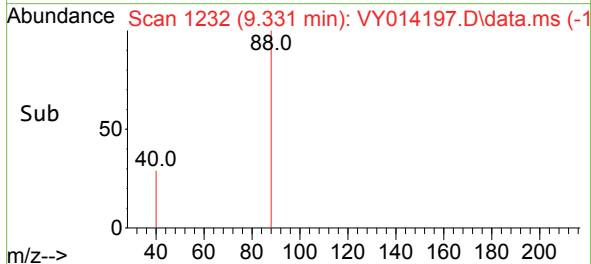
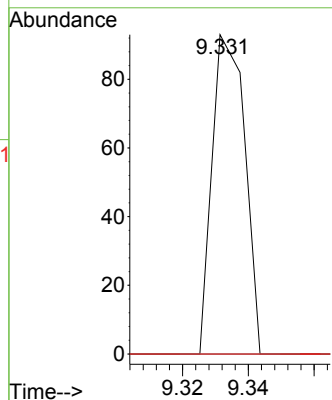
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 47.392 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014197.D

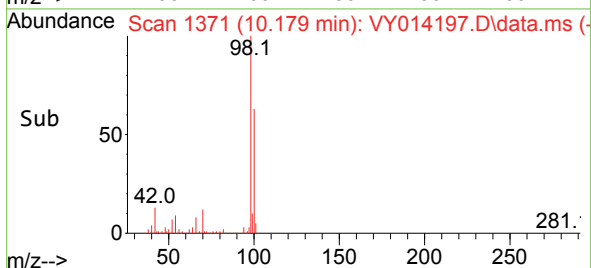
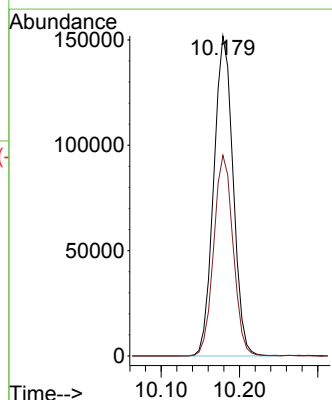
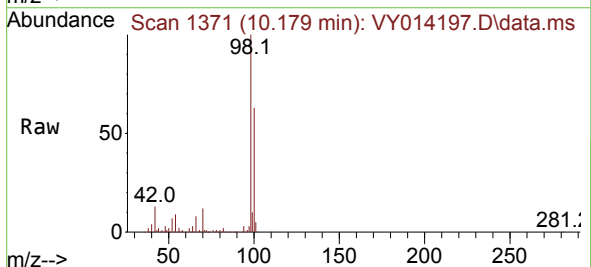
Acq: 15 Jun 2023 18:13

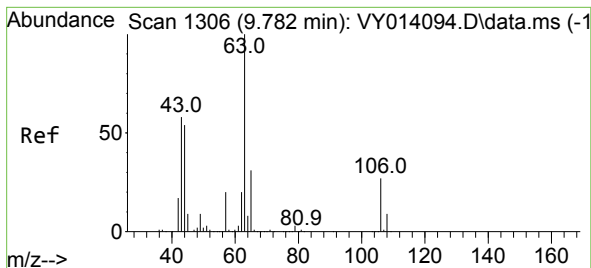
Tgt Ion: 98 Resp: 260947

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1

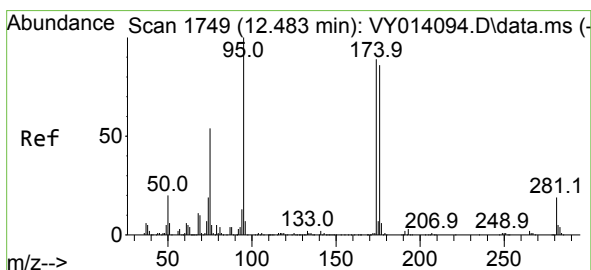
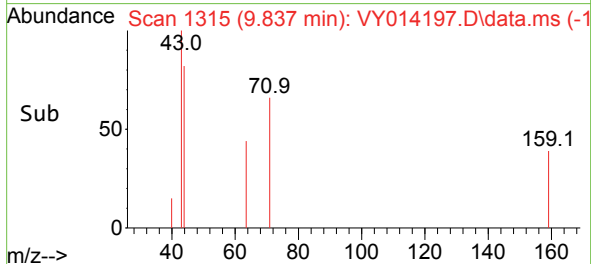
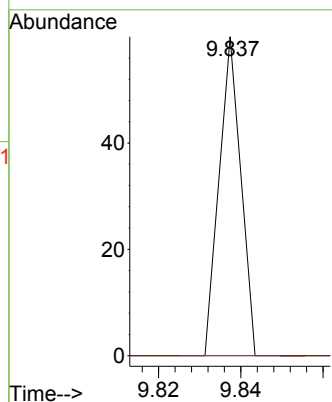
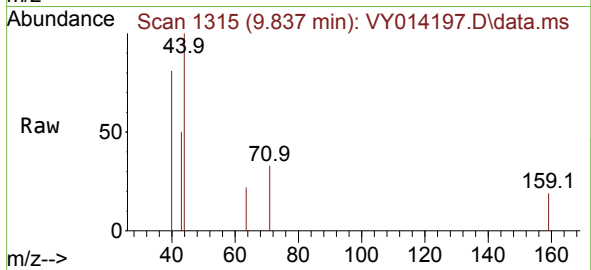




#58
2-Chloroethyl Vinyl ether
Concen: 28.642 ug/l
RT: 9.837 min Scan# 11
Delta R.T. 0.055 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

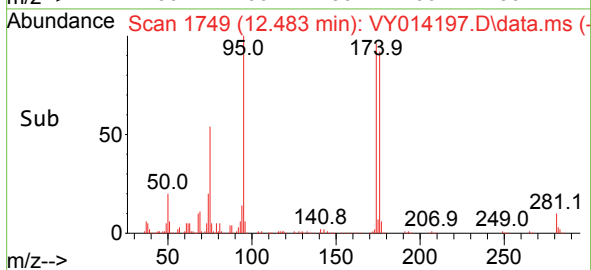
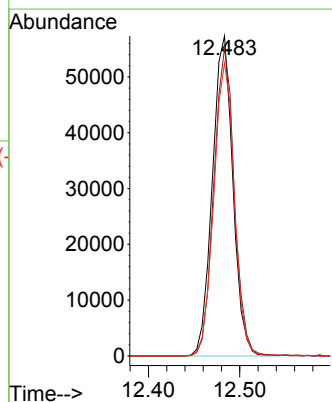
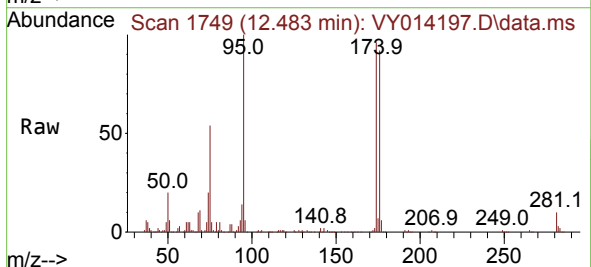
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

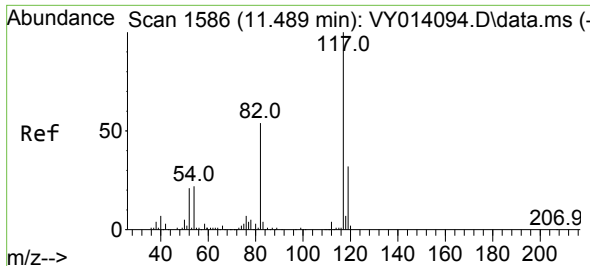
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 45.644 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion: 95 Resp: 89277
Ion Ratio Lower Upper
95 100
174 96.0 0.0 178.2
176 91.6 0.0 173.8

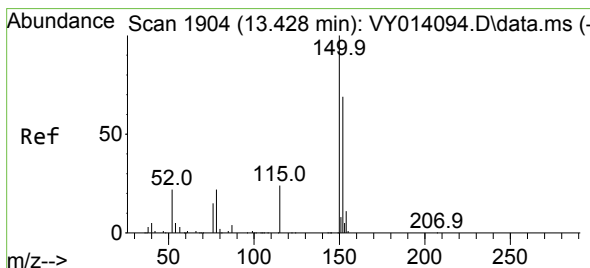
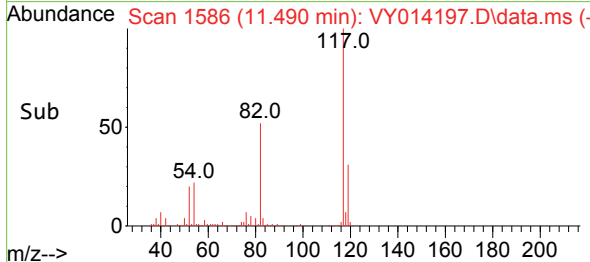
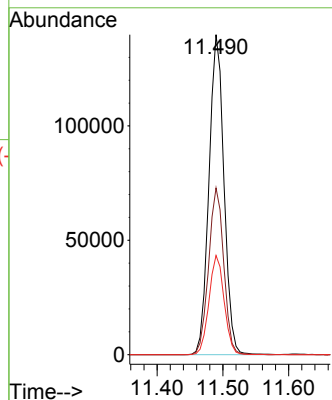
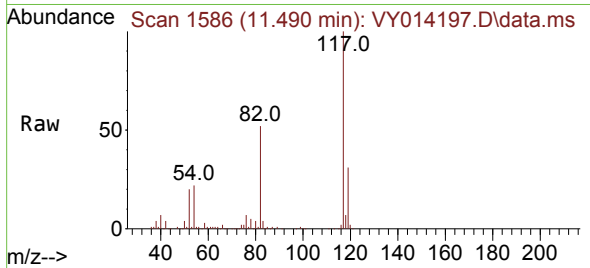




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

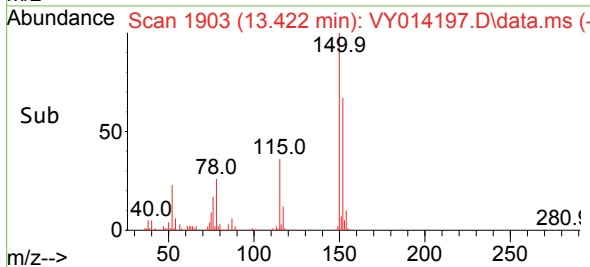
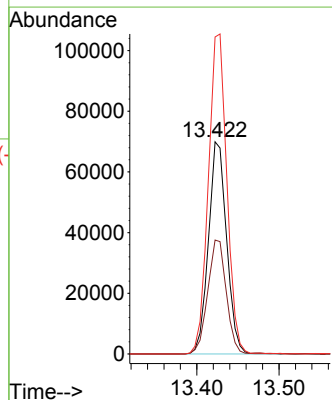
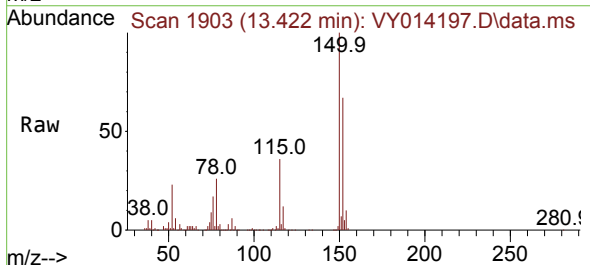
Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

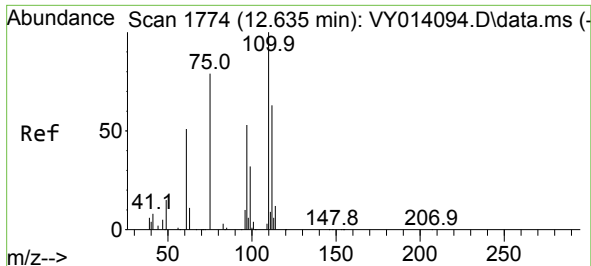
Tgt Ion:117 Resp: 222238
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion:152 Resp: 107383
Ion Ratio Lower Upper
152 100
115 54.8 28.8 86.5
150 153.6 0.0 348.8

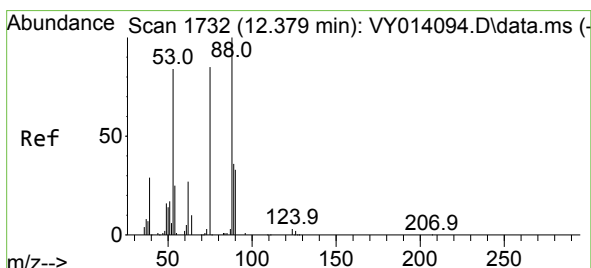
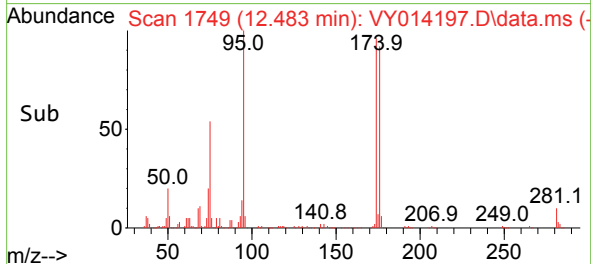
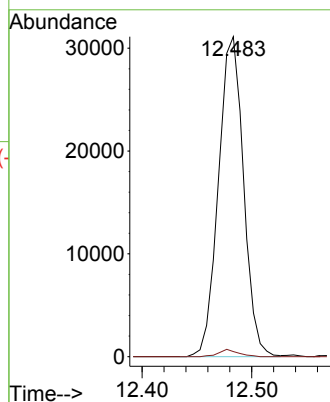
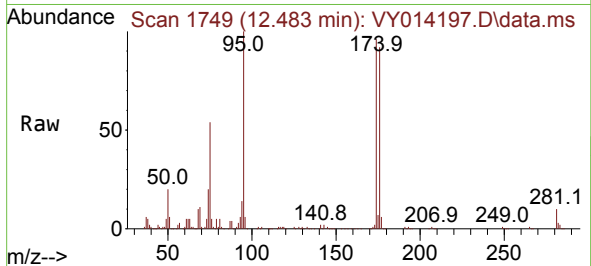




#76
1,2,3-Trichloropropane
Concen: 35.112 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
B-PLEASANT

Tgt Ion: 75 Resp: 49467
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.898 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014197.D
Acq: 15 Jun 2023 18:13

Tgt Ion: 75 Resp: 49467
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.2 37.4 56.0#

