

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013588.D
 Acq On : 03 May 2023 17:44
 Operator : KP/MD
 Sample : 02571-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-050123

Quant Time: May 04 01:21:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

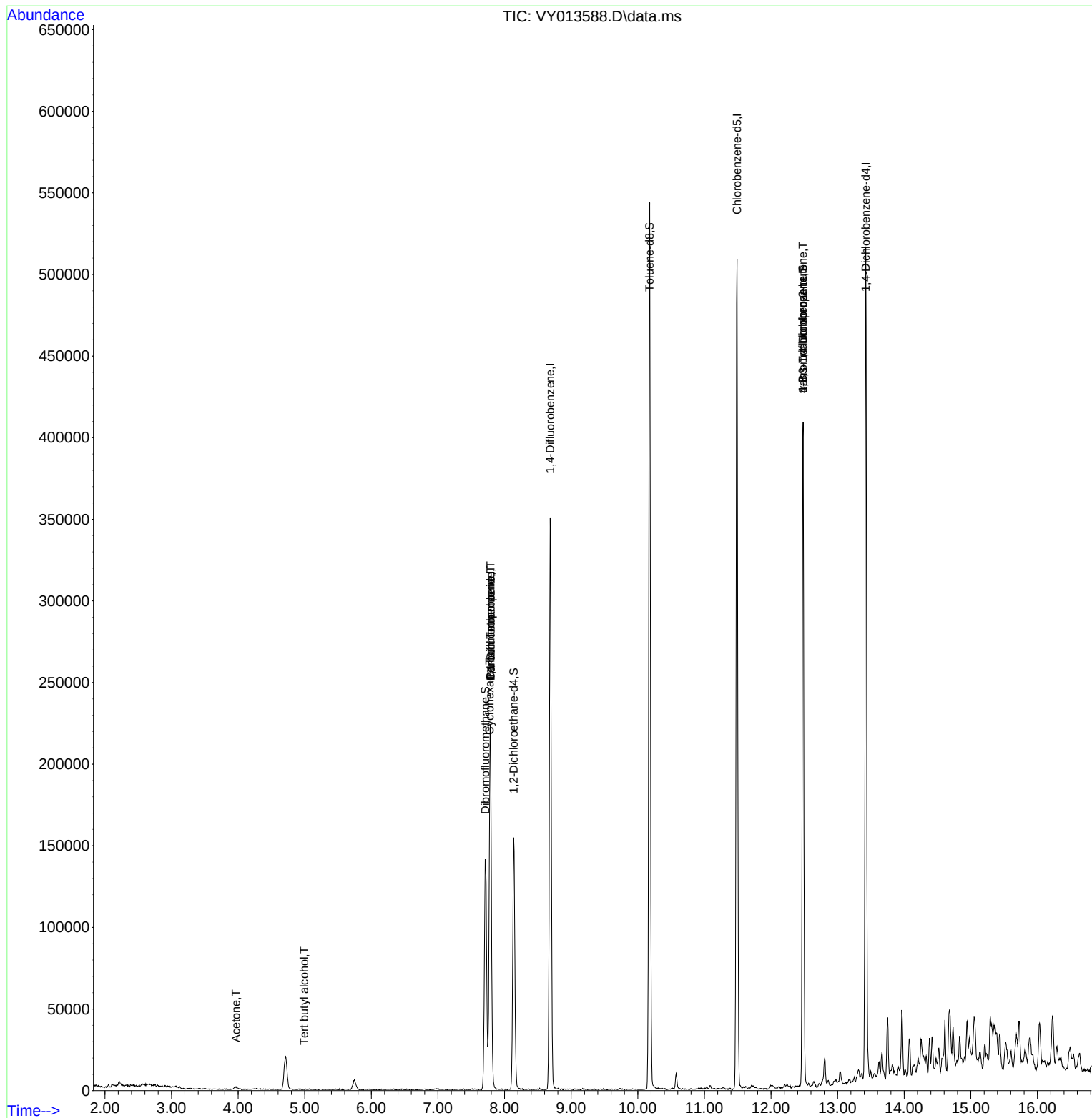
Internal Standards						
1) Pentafluorobenzene	7.789	168	176050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	288198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125349	64.951	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.900%
35) Dibromofluoromethane	7.710	113	99786	55.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.100%
50) Toluene-d8	10.179	98	355499	55.131	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.260%
62) 4-Bromofluorobenzene	12.477	95	110869	51.001	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	91	1.067	ug/l #	89
13) Acrolein	3.729	56	19	Below Cal	#	16
16) Acetone	3.967	43	3543	4.662	ug/l #	82
20) Methylene Chloride	4.710	84	15603	Below Cal		86
31) Cyclohexane	7.777	56	4260	1.233	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	13112	4.359	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17437	5.530	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	59882	34.266	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59882	70.092	ug/l #	13

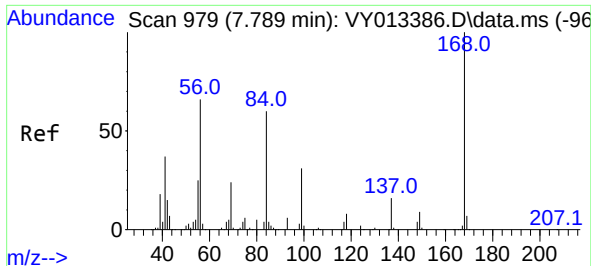
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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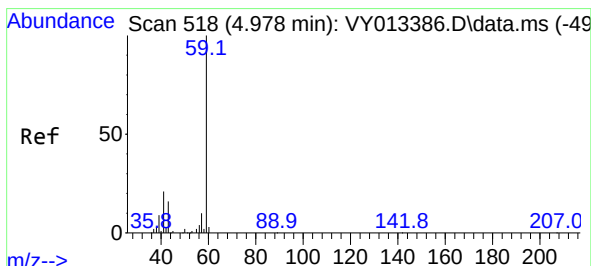
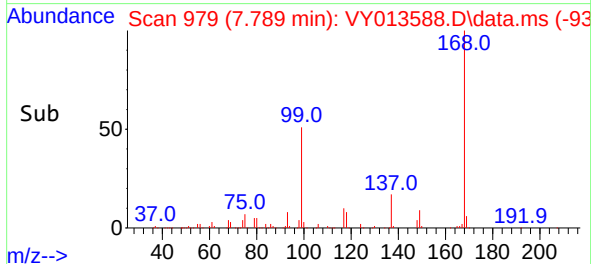
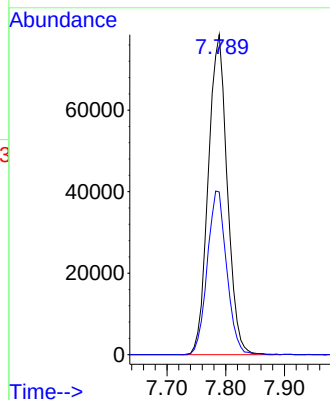
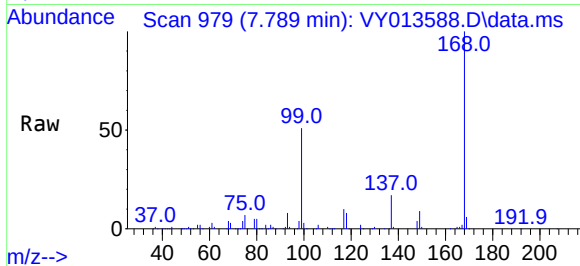




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

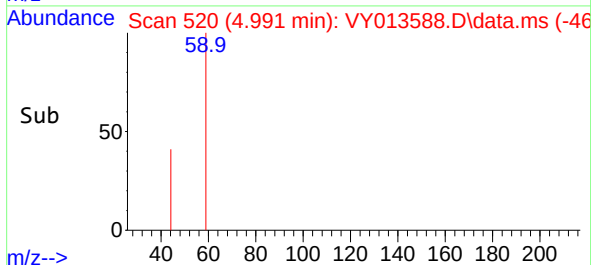
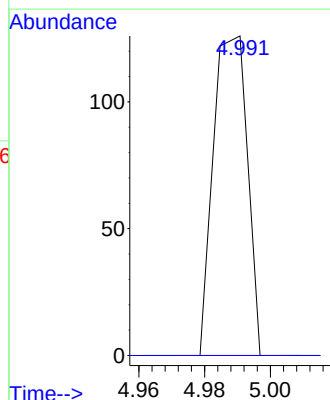
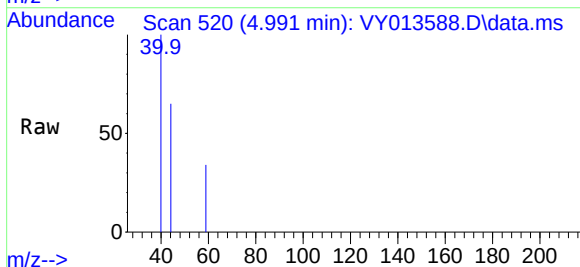
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-050123

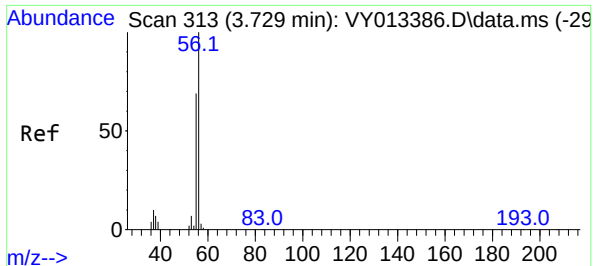
Tgt Ion:168 Resp: 176050
Ion Ratio Lower Upper
168 100
99 50.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.067 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.013 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

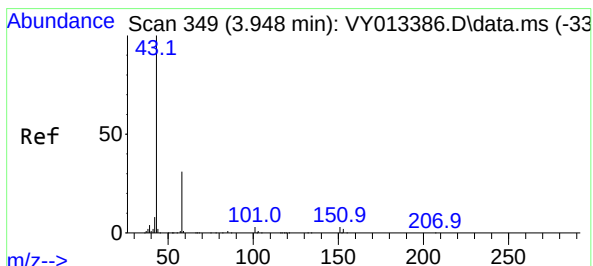
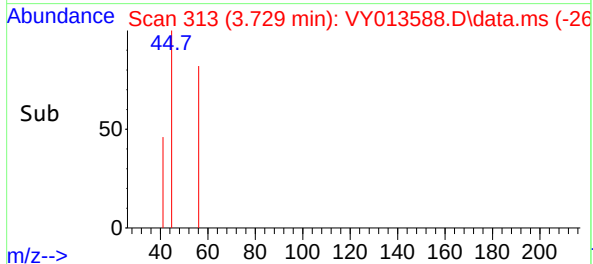
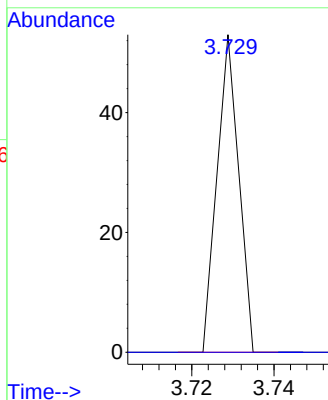
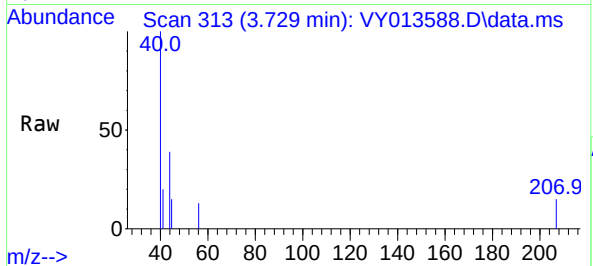




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

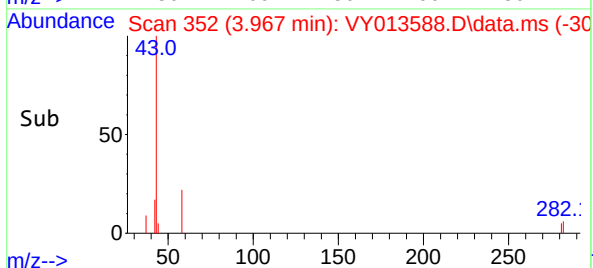
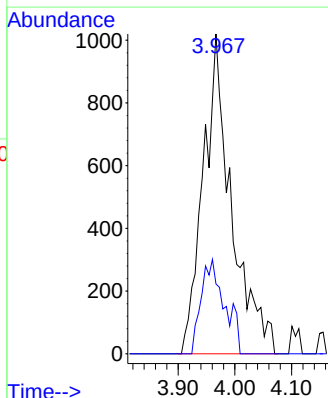
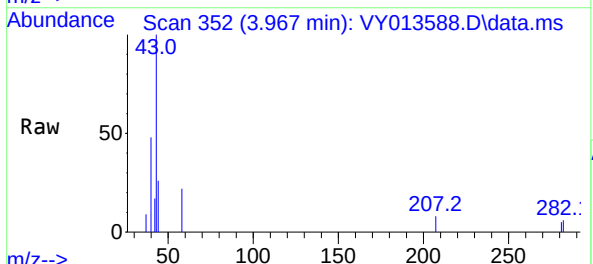
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-050123

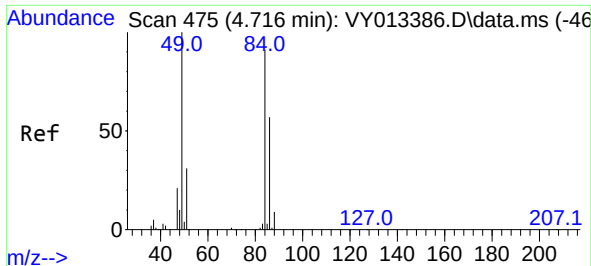
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 4.662 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.019 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

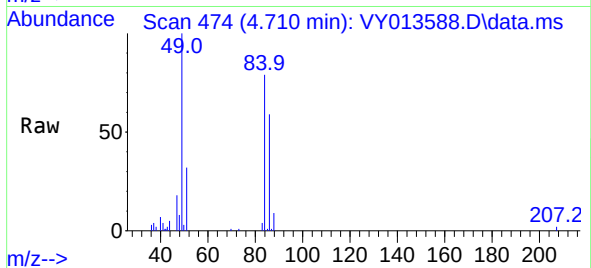
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
58 21.9 25.4 38.0#





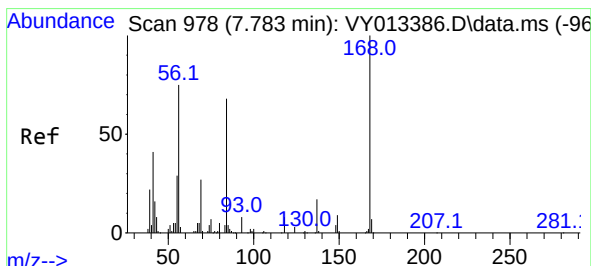
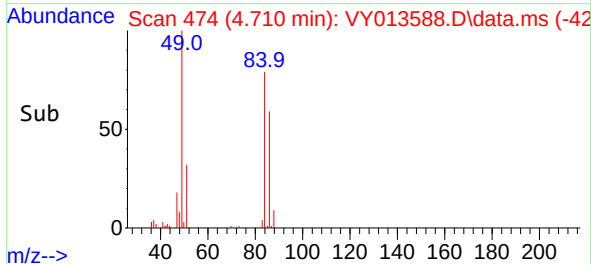
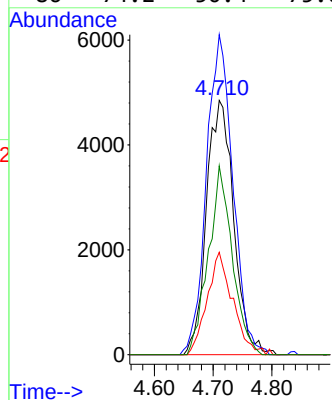
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Instrument :
MSVOA_Y
ClientSampleId :
OE-3-050123



Tgt Ion: 84 Resp: 15603

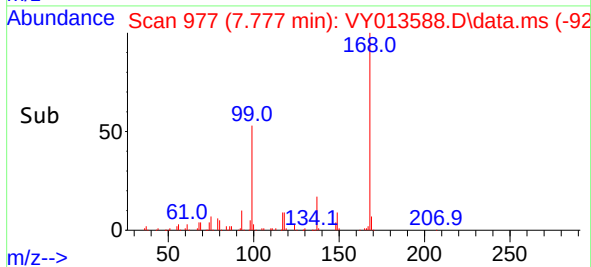
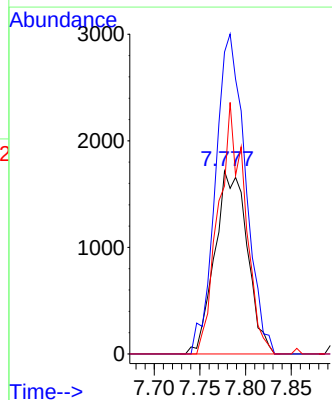
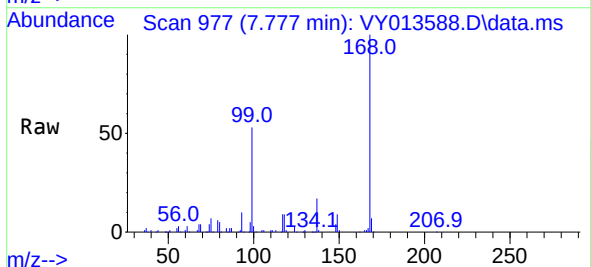
Ion	Ratio	Lower	Upper
84	100		
49	125.9	88.0	132.0
51	40.3	27.4	41.0
86	74.2	50.4	75.6

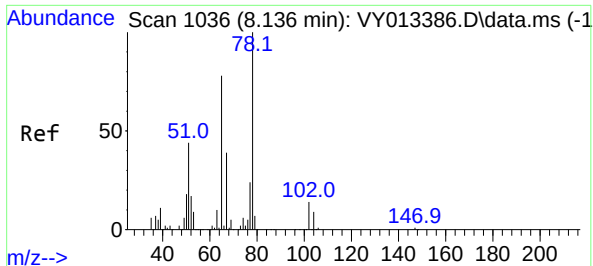


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Tgt Ion: 56 Resp: 4260

Ion	Ratio	Lower	Upper
56	100		
69	165.0	29.2	43.8#
84	100.3	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 64.951 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY013588.D

Acq: 03 May 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

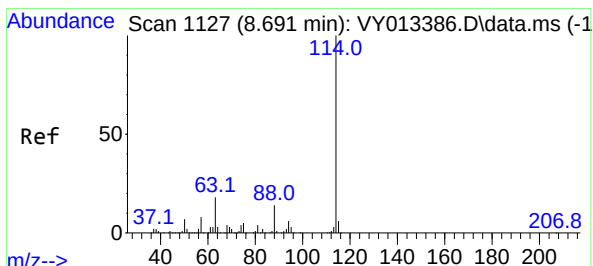
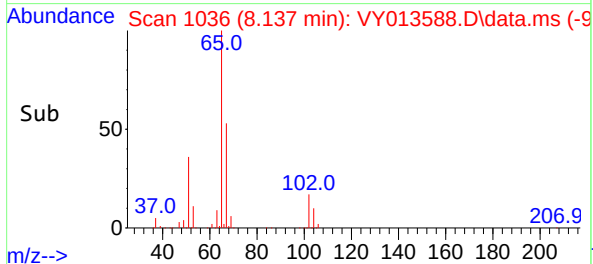
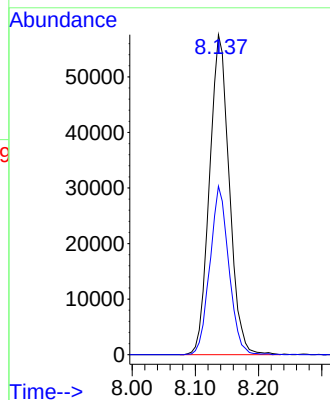
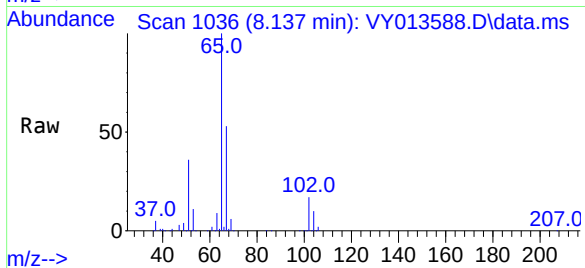
OE-3-050123

Tgt Ion: 65 Resp: 125349

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013588.D

Acq: 03 May 2023 17:44

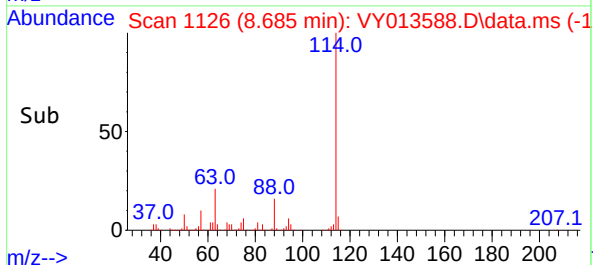
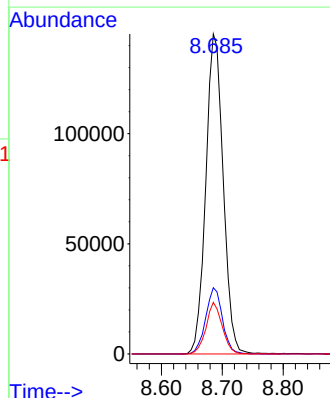
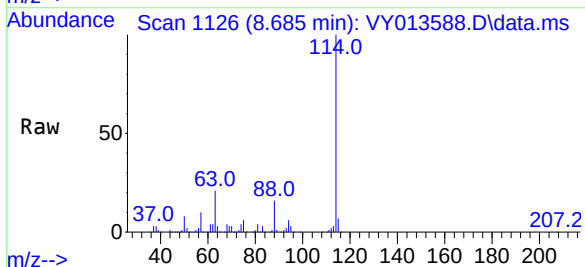
Tgt Ion: 114 Resp: 288198

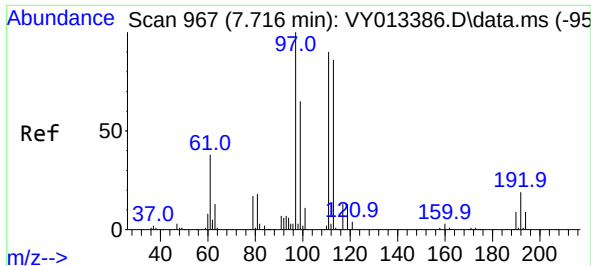
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.6

88 16.1 0.0 28.8

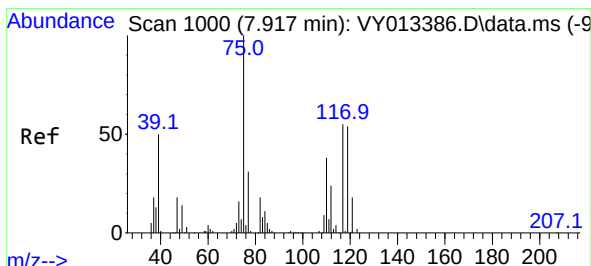
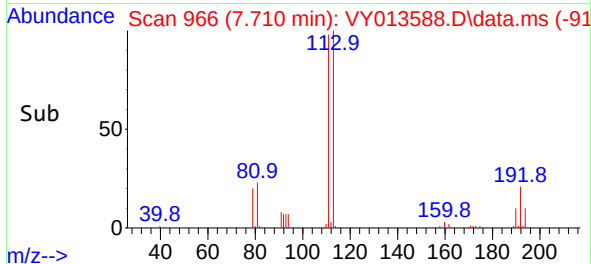
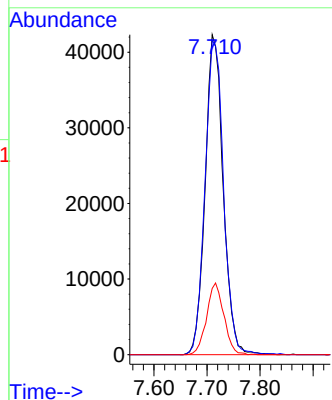
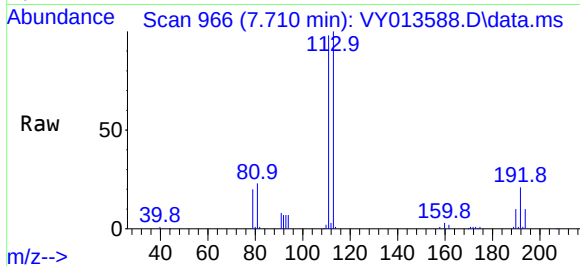




#35
Dibromofluoromethane
Concen: 55.050 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

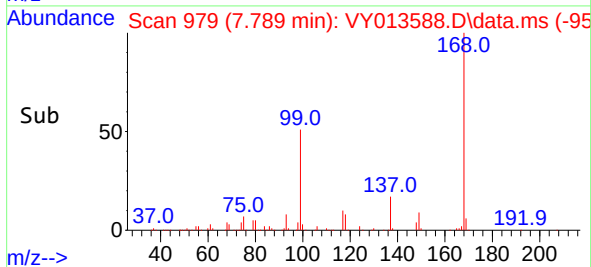
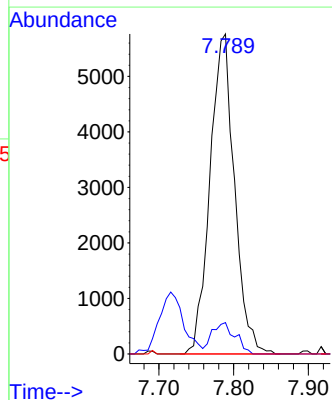
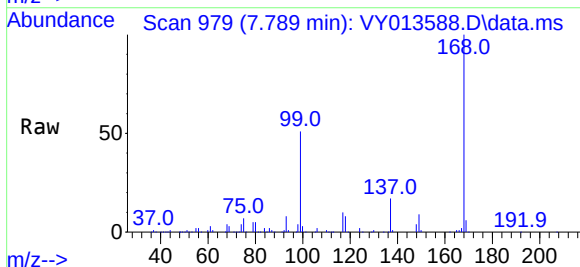
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-050123

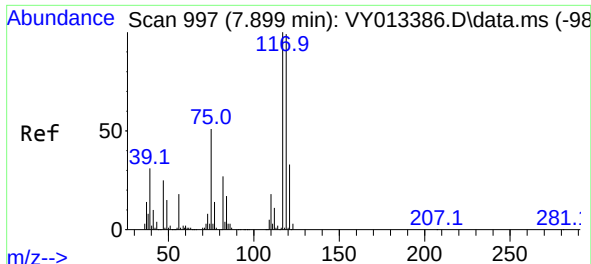
Tgt Ion:113 Resp: 99786
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 21.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

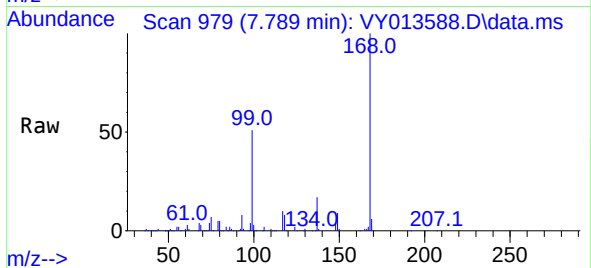
Tgt Ion: 75 Resp: 13112
Ion Ratio Lower Upper
75 100
110 9.3 18.7 56.1#
77 0.0 24.6 37.0#



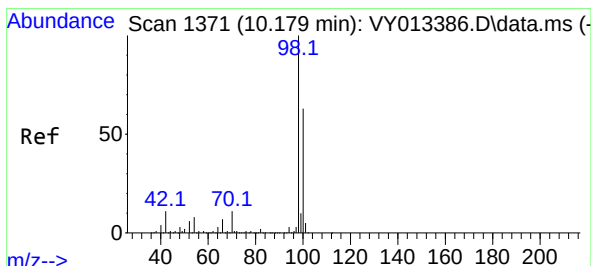
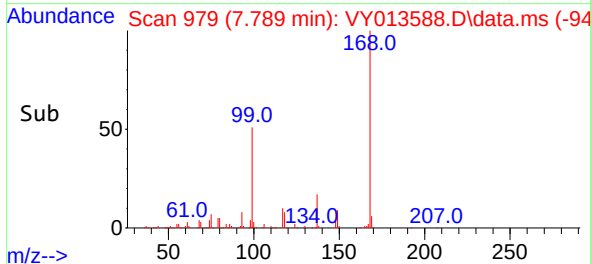
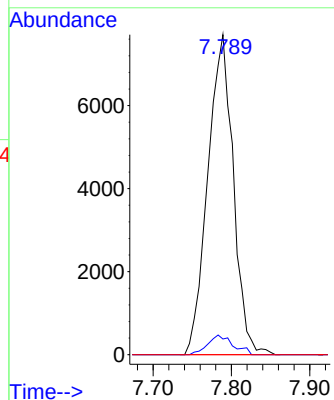


#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Instrument :
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ClientSampleId :
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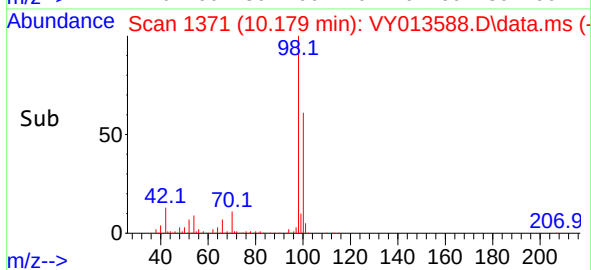
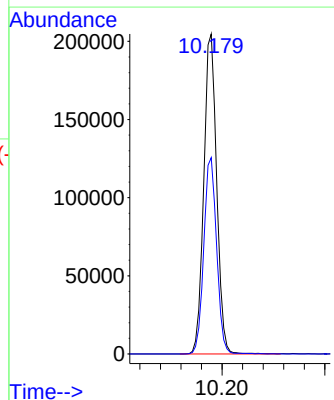
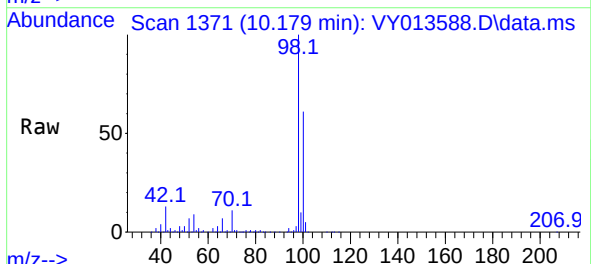


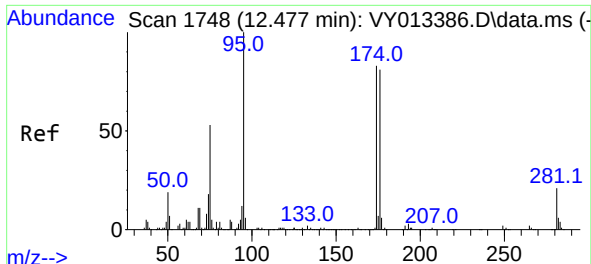
Tgt Ion:117 Resp: 17437
Ion Ratio Lower Upper
117 100
119 4.9 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.131 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Tgt Ion: 98 Resp: 355499
Ion Ratio Lower Upper
98 100
100 61.2 50.5 75.7

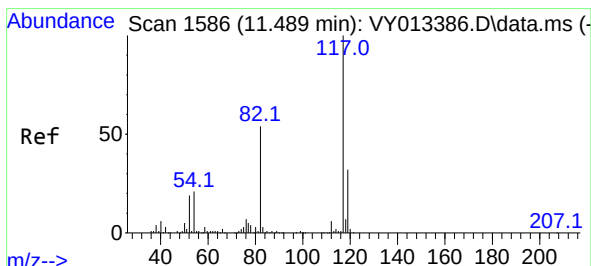
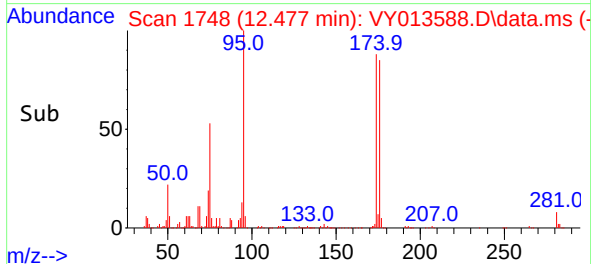
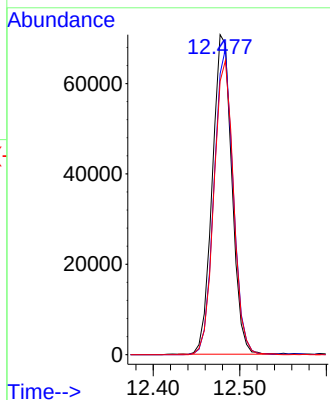
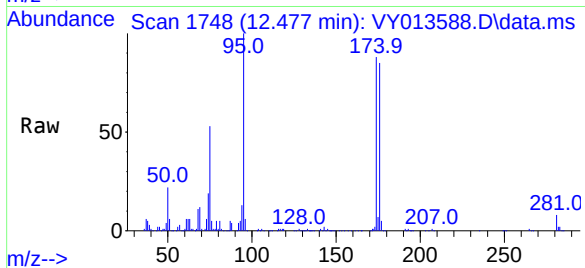




#62
4-Bromofluorobenzene
Concen: 51.001 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

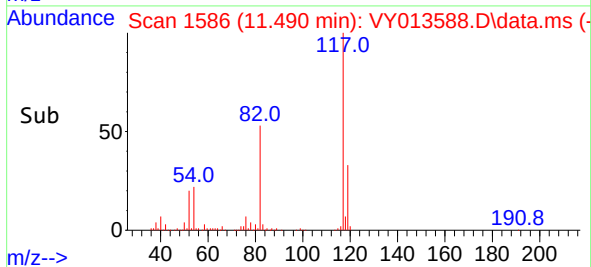
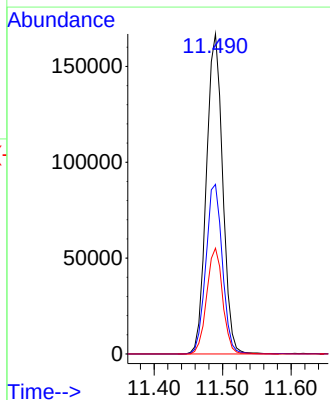
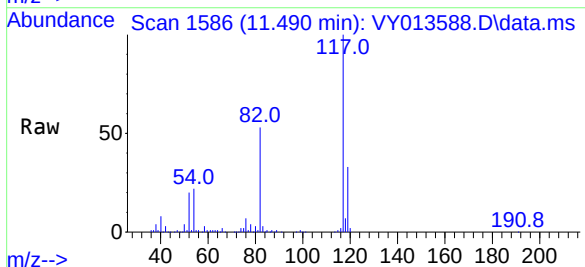
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-050123

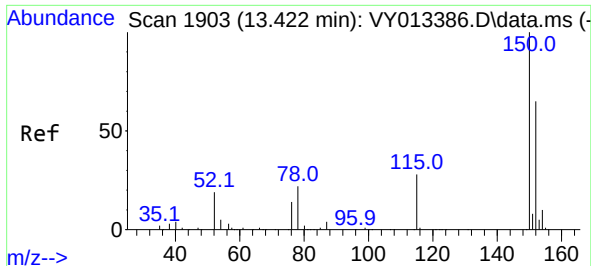
Tgt Ion: 95 Resp: 110869
Ion Ratio Lower Upper
95 100
174 93.7 0.0 182.0
176 91.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013588.D
Acq: 03 May 2023 17:44

Tgt Ion: 117 Resp: 275868
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 33.0 25.5 38.3

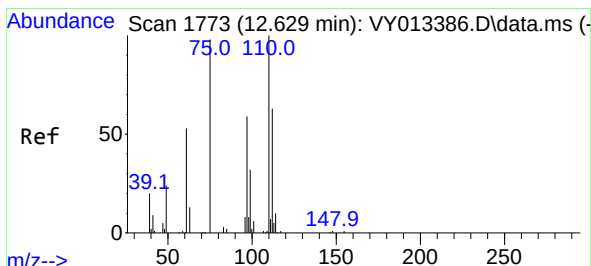
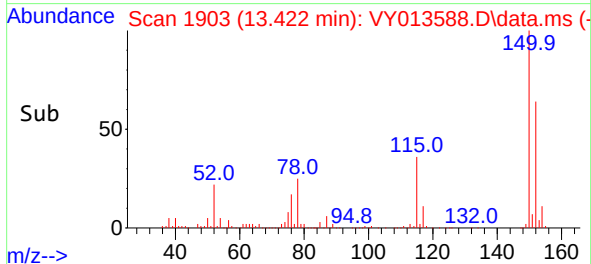
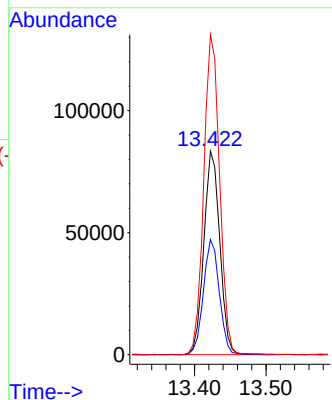
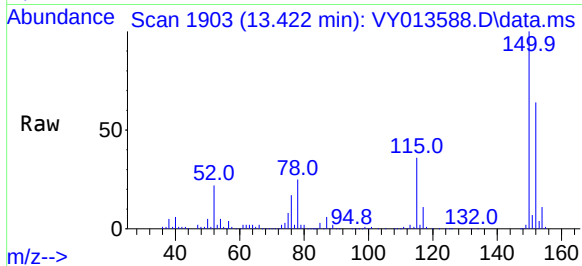




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013588.D
 Acq: 03 May 2023 17:44

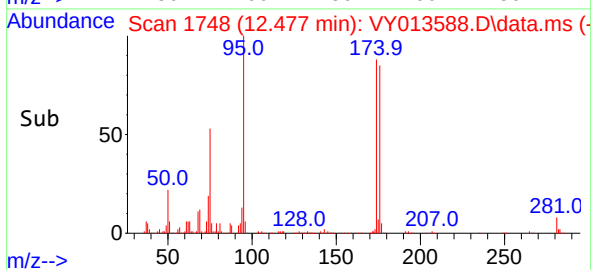
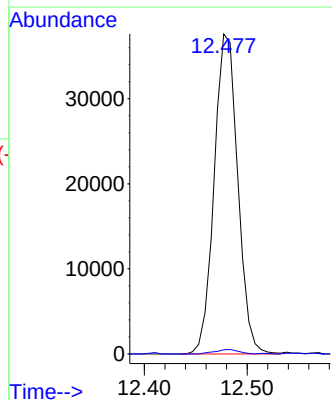
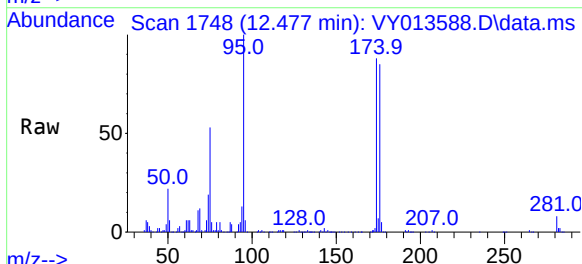
Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-050123

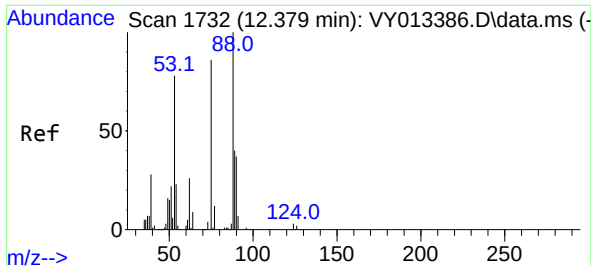
Tgt Ion:152 Resp: 129583
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.1 84.2
 150 156.1 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 34.266 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013588.D
 Acq: 03 May 2023 17:44

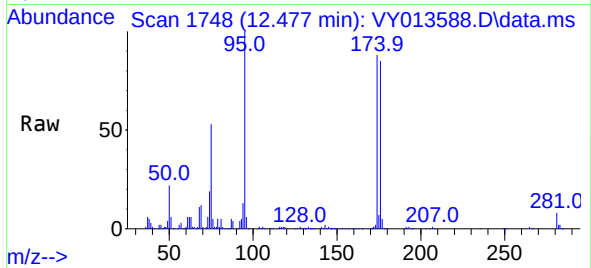
Tgt Ion: 75 Resp: 59882
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.092 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013588.D
 Acq: 03 May 2023 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-050123



Tgt Ion: 75 Resp: 59882
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.2 109.8#
 89 0.2 38.0 57.0#

