

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013745.D
 Acq On : 15 May 2023 18:47
 Operator : KP/MD
 Sample : 02753-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-051123

Quant Time: May 16 01:34:28 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)

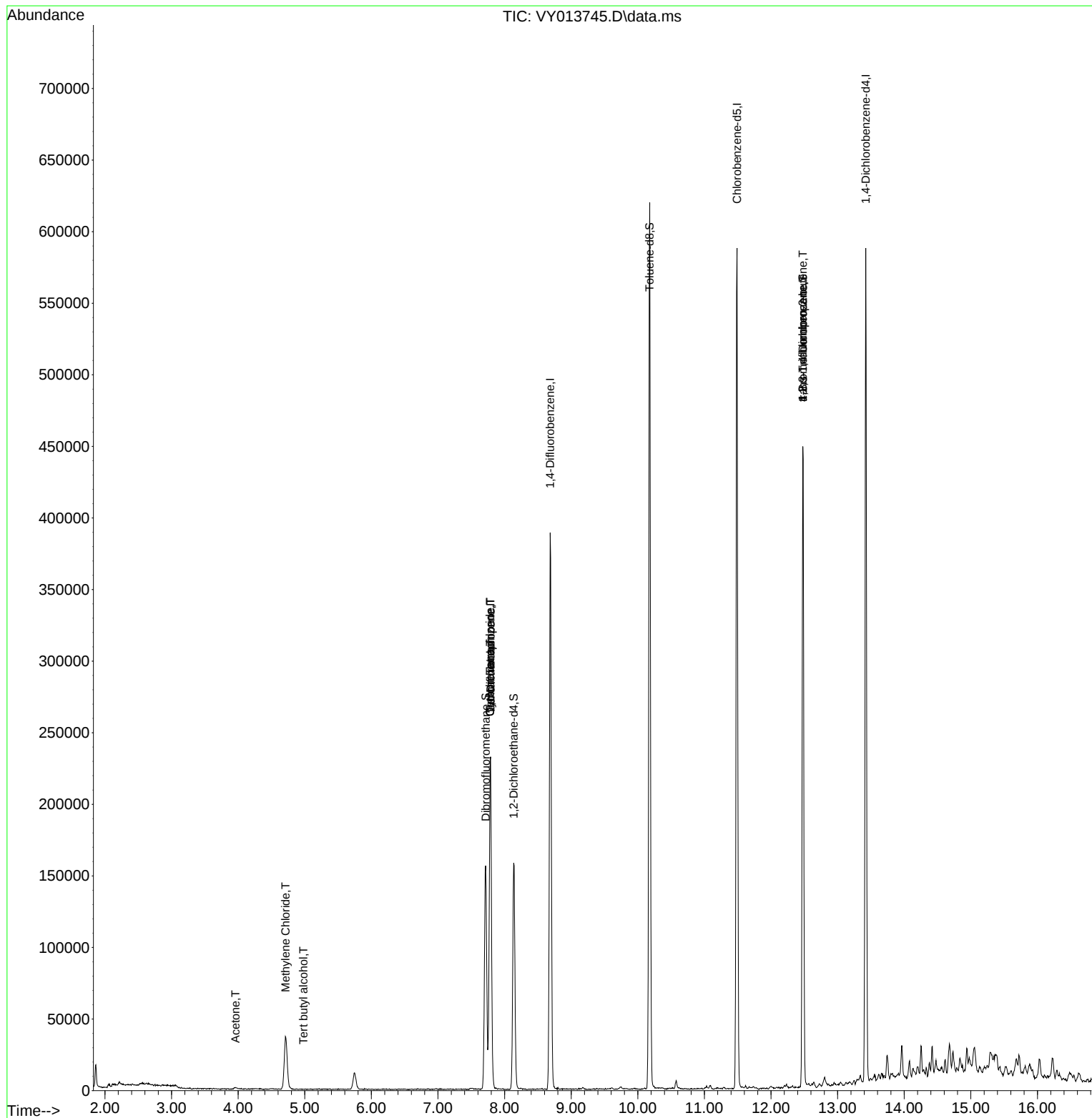
Internal Standards						
1) Pentafluorobenzene	7.789	168	179539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	307360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128407	65.243	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.480%		
35) Dibromofluoromethane	7.716	113	109513	55.164	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.320%		
50) Toluene-d8	10.179	98	388073	54.950	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 109.900%		
62) 4-Bromofluorobenzene	12.477	95	133182	55.939	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 111.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	93	1.068	ug/l #	89
13) Acrolein	3.668	56	41	Below Cal	#	16
16) Acetone	3.960	43	2165	2.793	ug/l	97
20) Methylene Chloride	4.710	84	26219	3.231	ug/l #	84
31) Cyclohexane	7.783	56	4355	1.236	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	14492	4.399	ug/l #	49
38) Carbon Tetrachloride	7.783	117	18595	5.385	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	72539	37.644	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72539	77.003	ug/l #	13

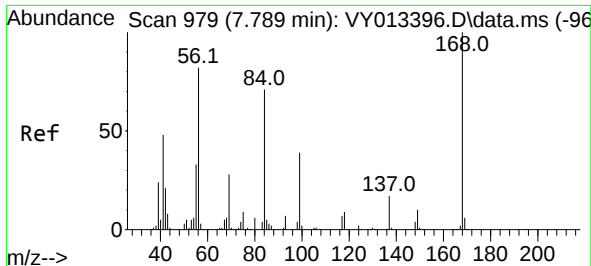
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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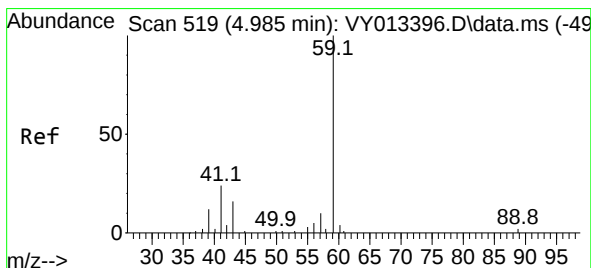
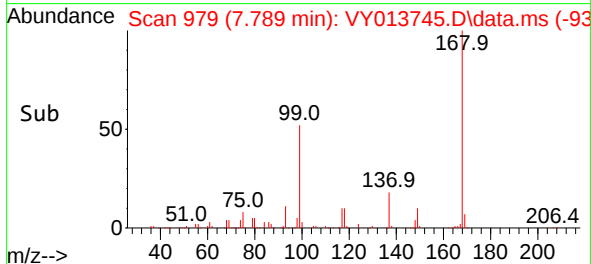
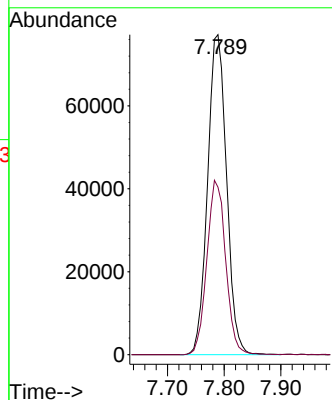
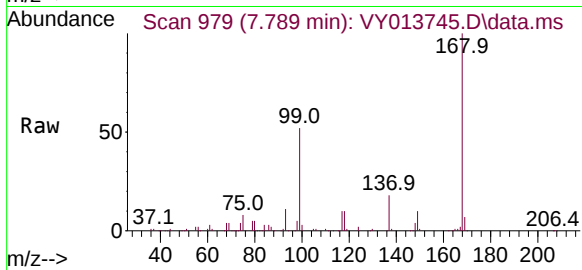




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

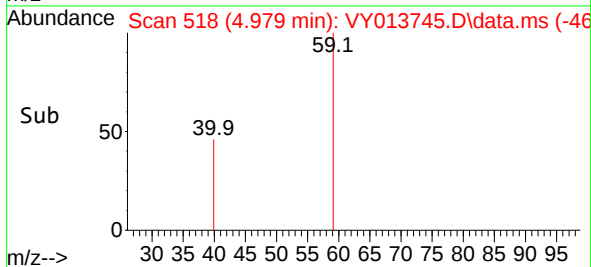
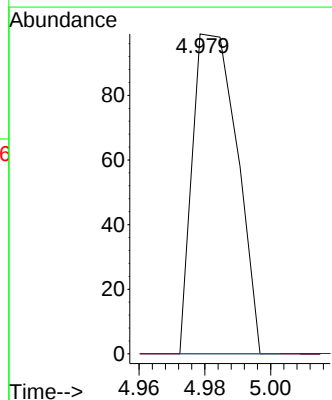
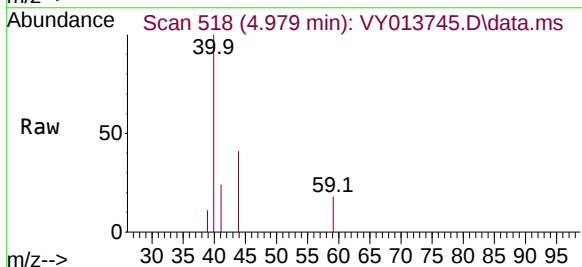
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-051123

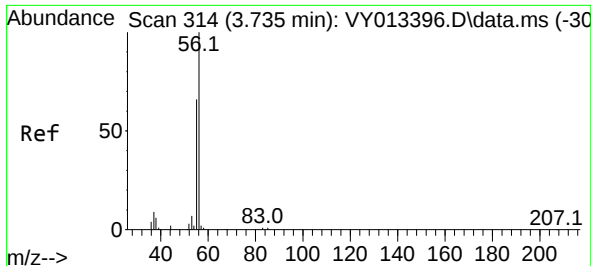
Tgt Ion:168 Resp: 179539
Ion Ratio Lower Upper
168 100
99 52.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.068 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.001 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

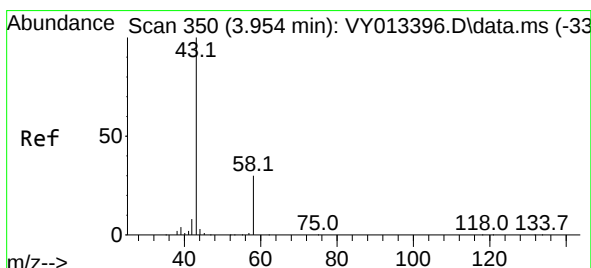
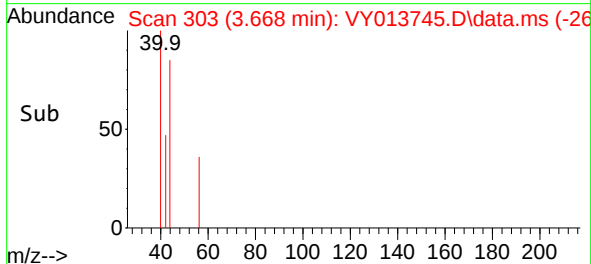
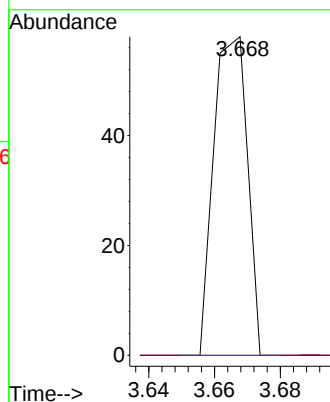
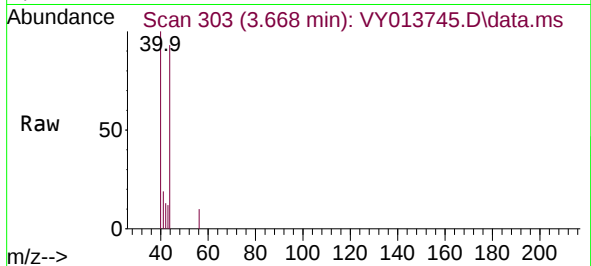




#13
Acrolein
Concen: Below Cal
RT: 3.668 min Scan# 303
Delta R.T. -0.061 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

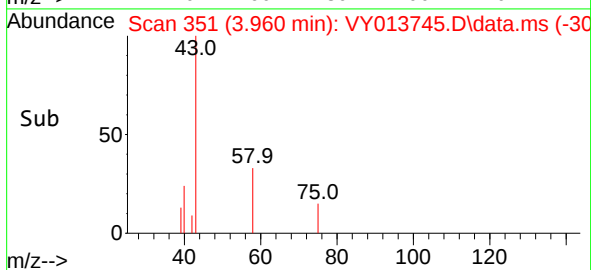
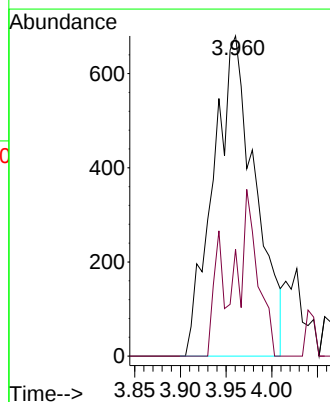
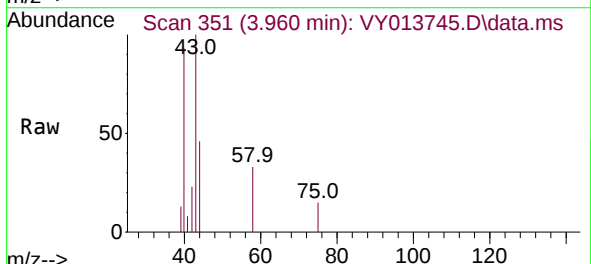
Instrument :
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ClientSampleId :
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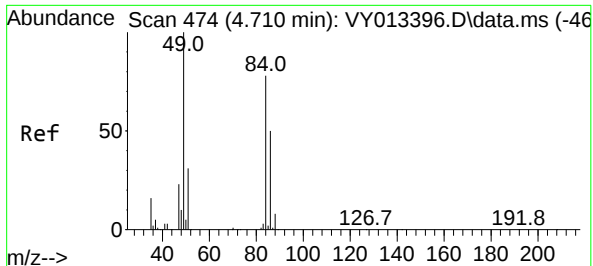
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 2.793 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 33.4 25.4 38.0

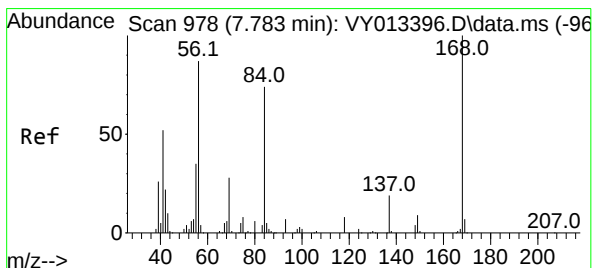
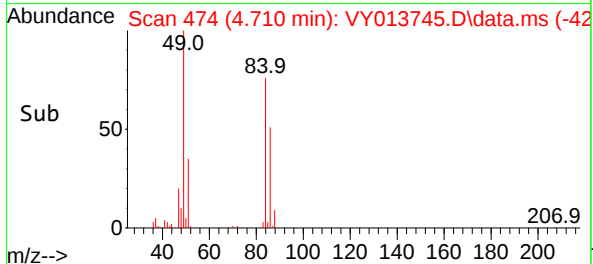
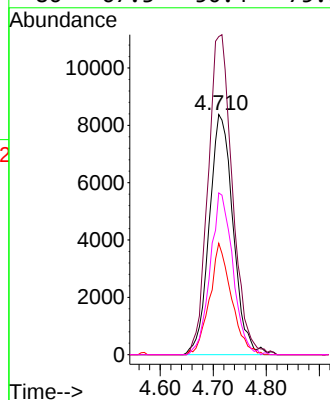
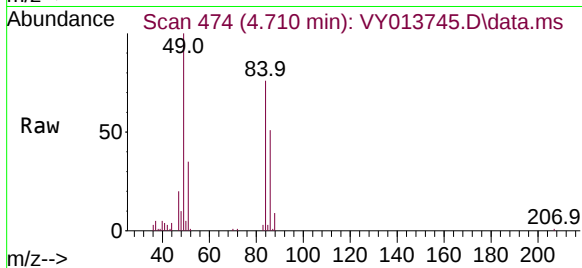




#20
Methylene Chloride
Concen: 3.231 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

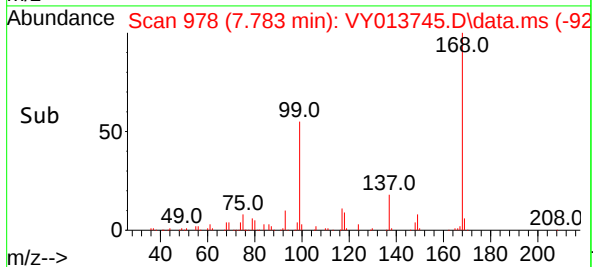
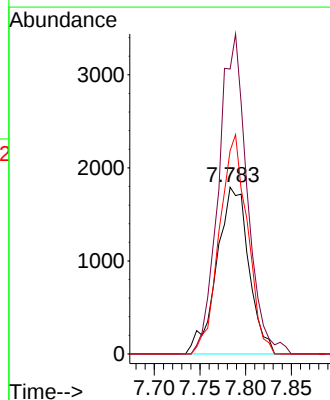
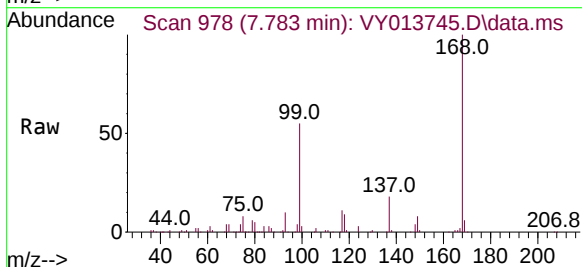
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-051123

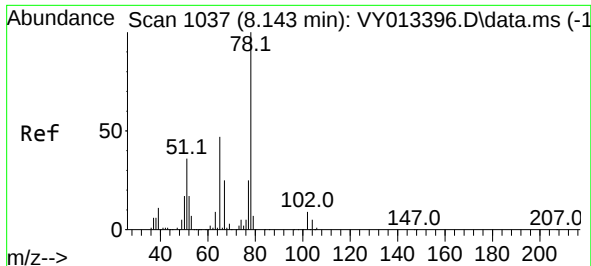
Tgt Ion:	84	Resp:	26219
Ion	Ratio	Lower	Upper
84	100		
49	132.4	88.0	132.0#
51	46.3	27.4	41.0#
86	67.3	50.4	75.6



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion:	56	Resp:	4355
Ion	Ratio	Lower	Upper
56	100		
69	171.0	29.2	43.8#
84	122.1	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 65.243 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013745.D

Acq: 15 May 2023 18:47

Instrument :

MSVOA_Y

ClientSampleId :

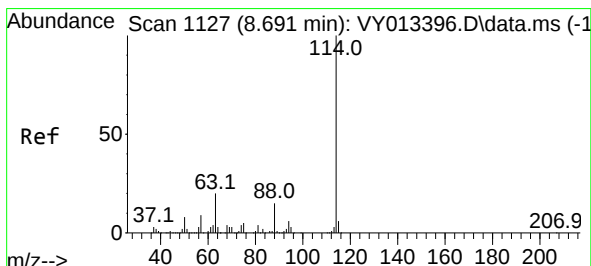
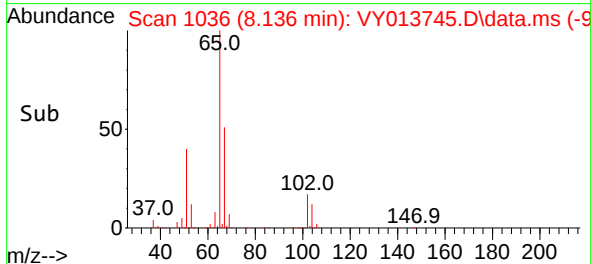
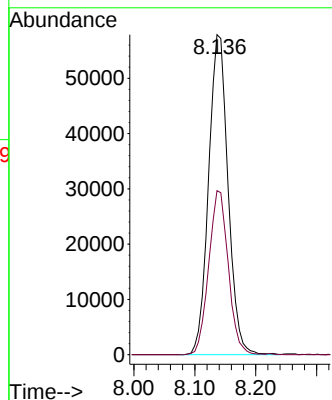
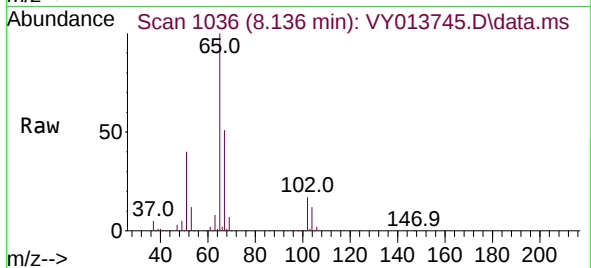
OE-3-051123

Tgt Ion: 65 Resp: 128407

Ion Ratio Lower Upper

65 100

67 51.5 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: VY013745.D

Acq: 15 May 2023 18:47

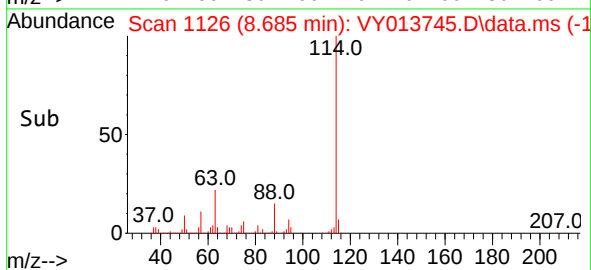
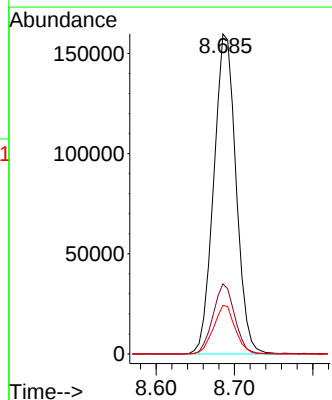
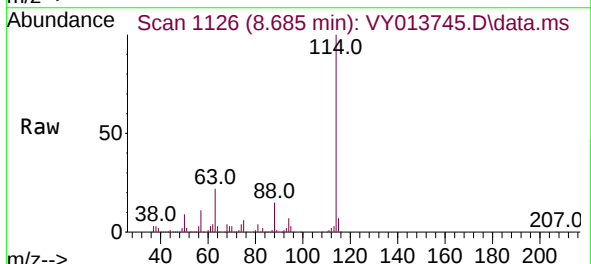
Tgt Ion: 114 Resp: 315639

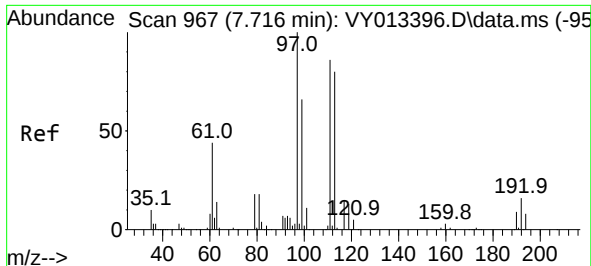
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.6

88 15.2 0.0 28.8

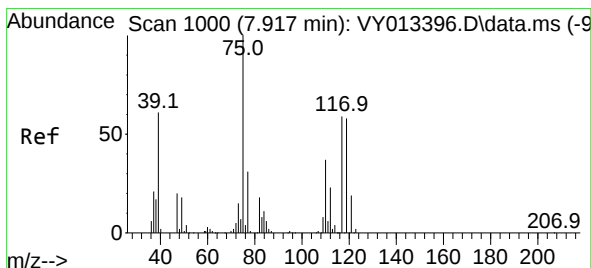
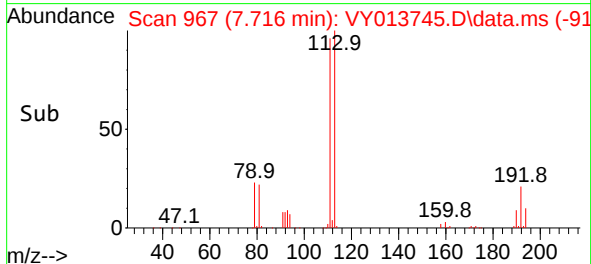
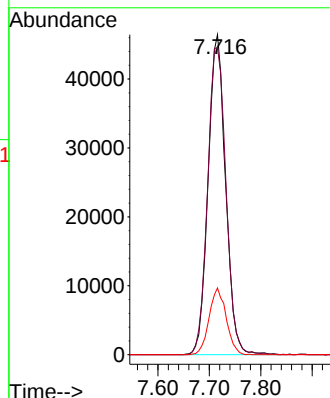
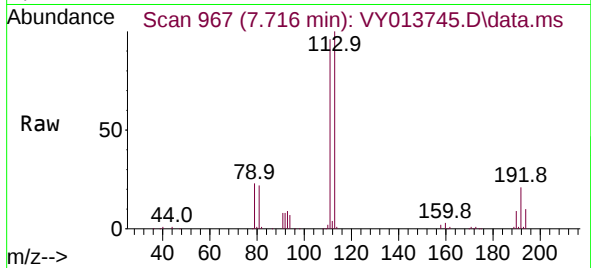




#35
Dibromofluoromethane
Concen: 55.164 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

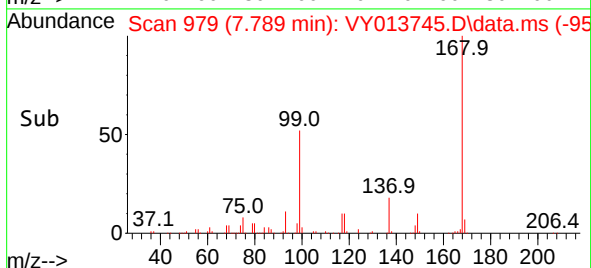
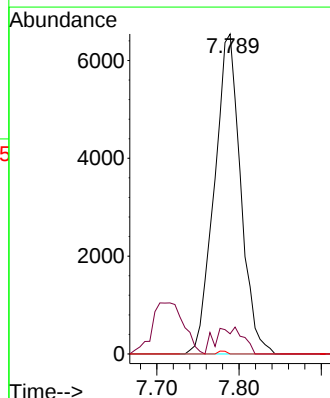
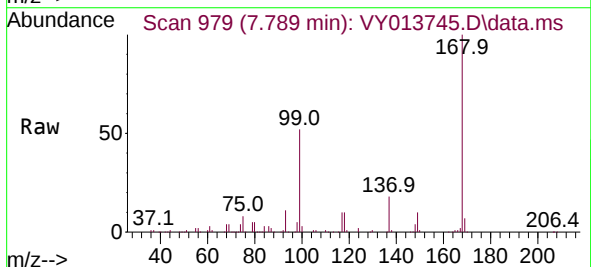
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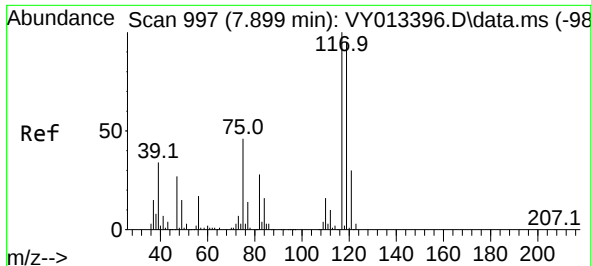
Tgt Ion:113 Resp: 109513
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.399 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion: 75 Resp: 14492
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.3 24.6 37.0#

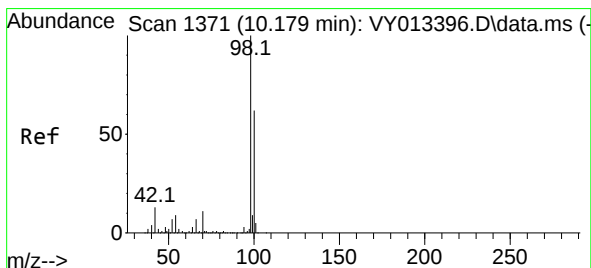
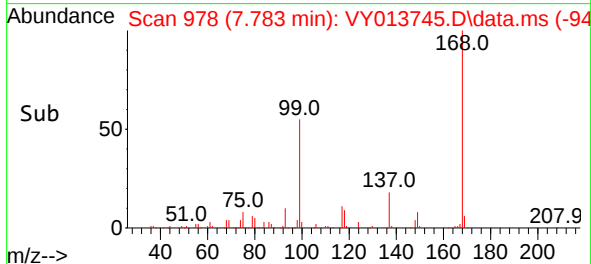
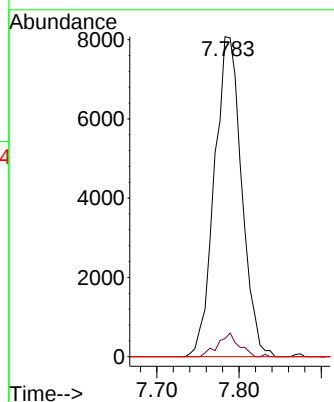
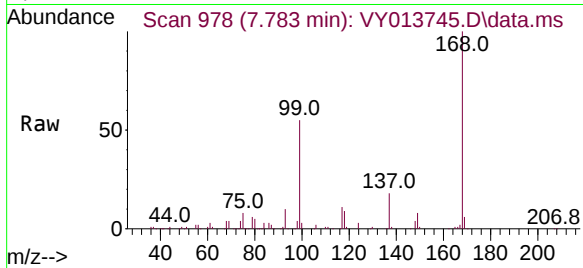




#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

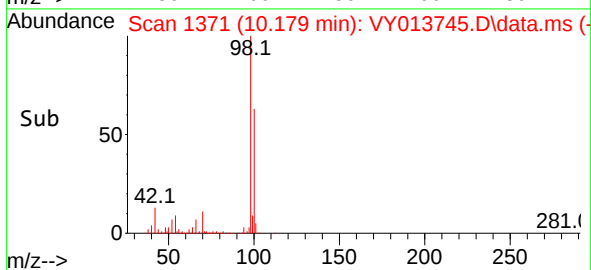
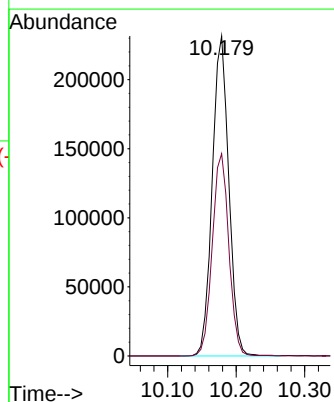
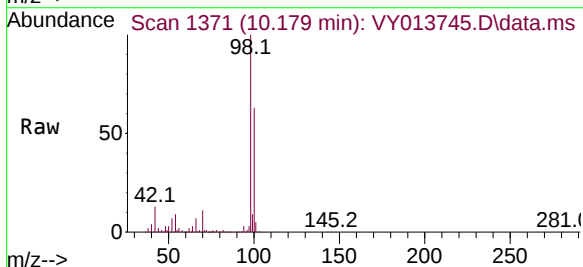
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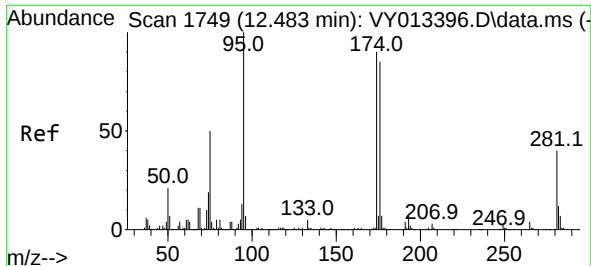
Tgt Ion:117 Resp: 18595
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.950 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion: 98 Resp: 388073
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7

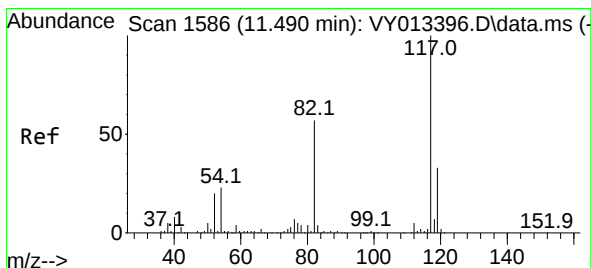
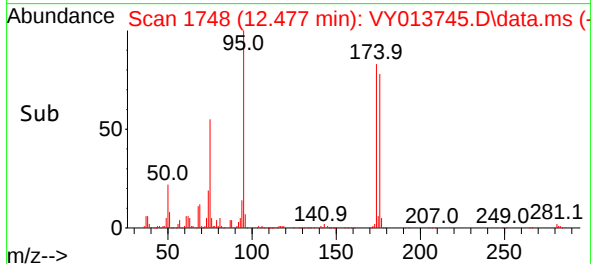
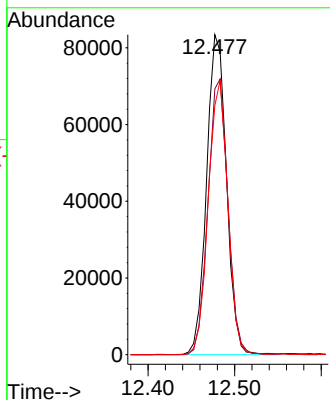
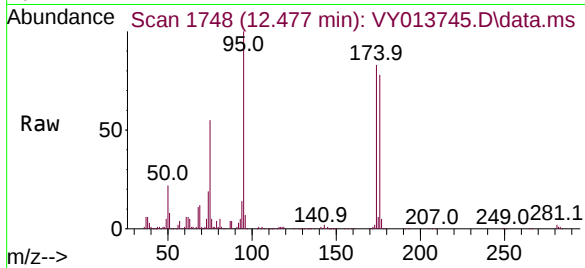




#62
4-Bromofluorobenzene
Concen: 55.939 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

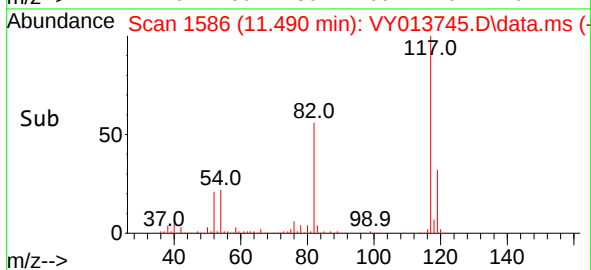
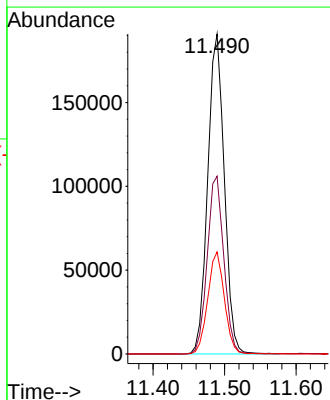
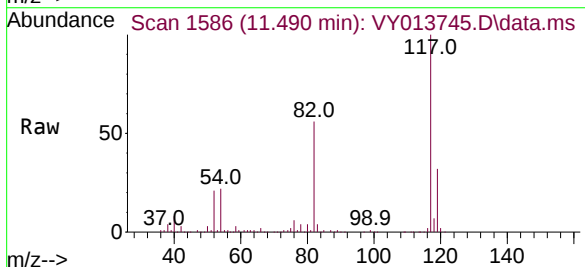
Instrument :
MSVOA_Y
ClientSampleId :
OE-3-051123

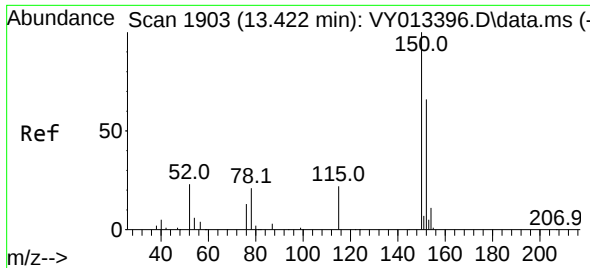
Tgt Ion: 95 Resp: 133182
Ion Ratio Lower Upper
95 100
174 86.3 0.0 182.0
176 84.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013745.D
Acq: 15 May 2023 18:47

Tgt Ion: 117 Resp: 307360
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.6
119 31.9 25.5 38.3

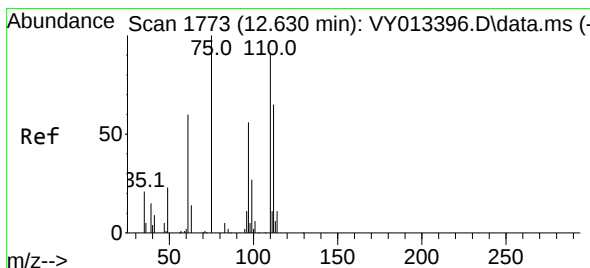
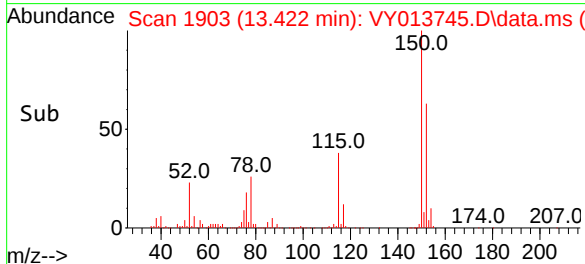
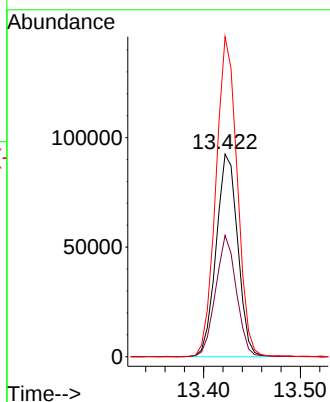
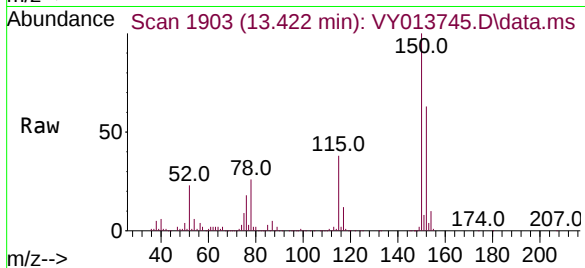




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013745.D
 Acq: 15 May 2023 18:47

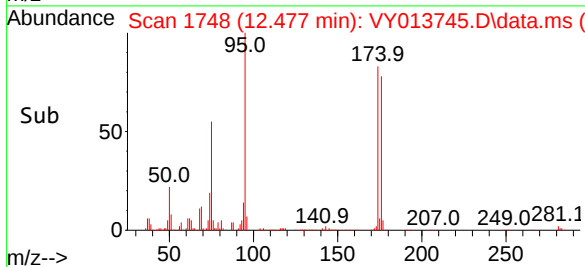
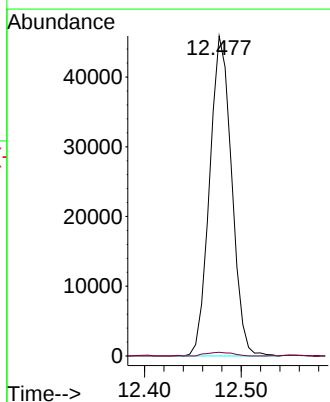
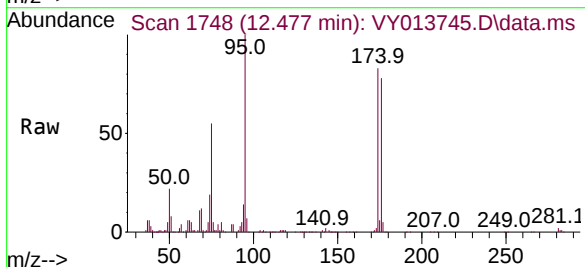
Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-051123

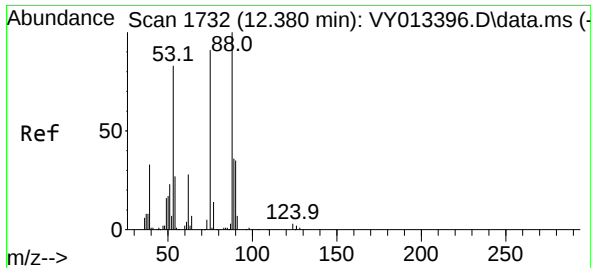
Tgt Ion:152 Resp: 142884
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.1 84.2
 150 156.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 37.644 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013745.D
 Acq: 15 May 2023 18:47

Tgt Ion: 75 Resp: 72539
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.003 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013745.D
 Acq: 15 May 2023 18:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-3-051123

Tgt Ion: 75 Resp: 72539
 Ion Ratio Lower Upper
 75 100
 53 0.5 73.2 109.8#
 89 0.1 38.0 57.0#

