

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013802.D
 Acq On : 18 May 2023 16:00
 Operator : KP/MD
 Sample : 02825-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-051723

Quant Time: May 19 03:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	26746	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	35935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	27307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8433	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10824	34.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.680%
35) Dibromofluoromethane	7.716	113	11356	49.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.560%
50) Toluene-d8	10.179	98	40874	46.787	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.483	95	8329	28.703	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.400%

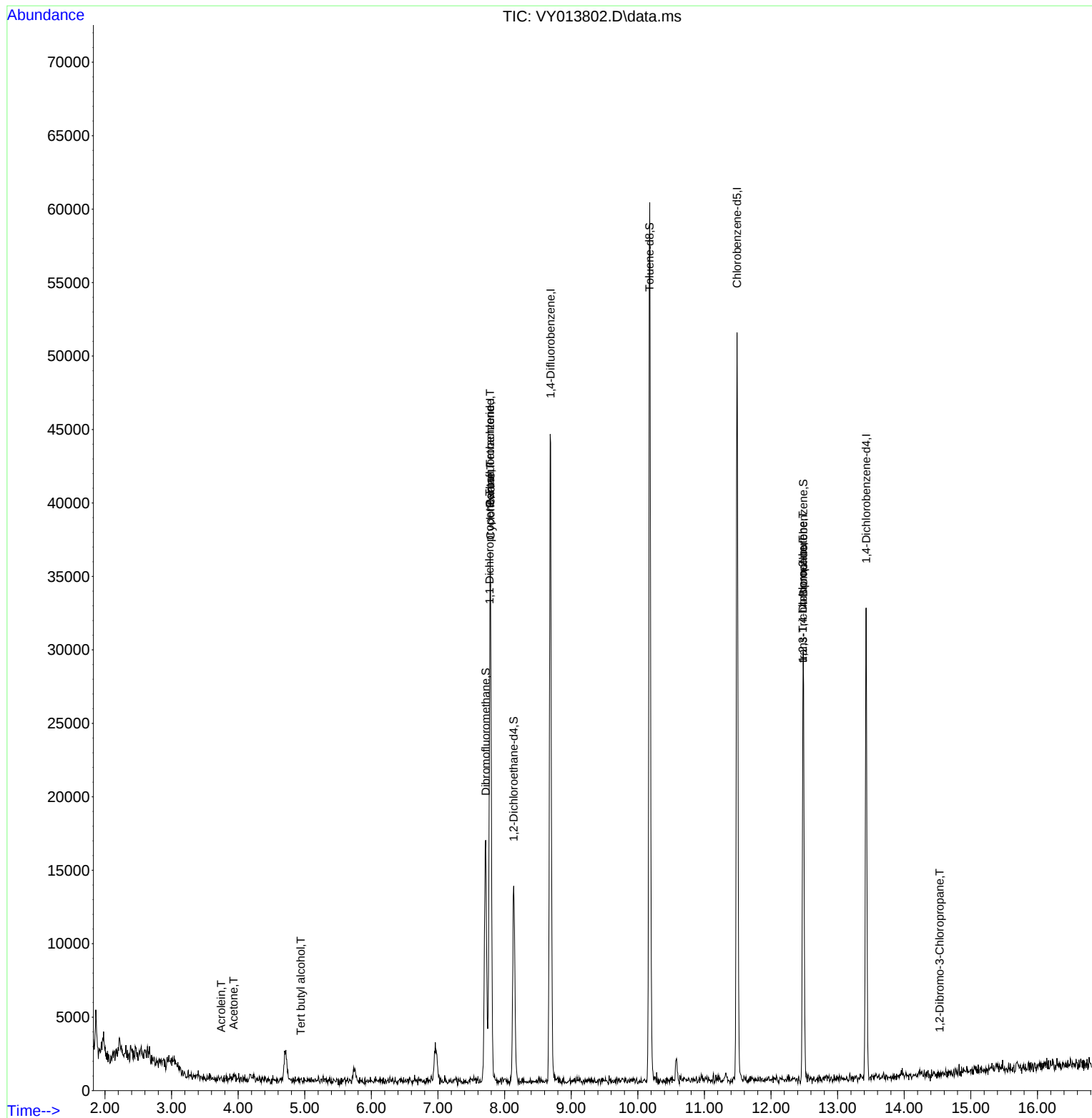
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	26	1.033	ug/l #	73
13) Acrolein	3.747	56	74	1.646	ug/l #	44
16) Acetone	3.930	43	534	5.697	ug/l #	45
20) Methylene Chloride	4.710	84	1324	Below Cal	#	70
31) Cyclohexane	7.789	56	605	1.358	ug/l #	23
36) 1,1-Dichloropropene	7.777	75	2209	6.938	ug/l #	44
38) Carbon Tetrachloride	7.783	117	2676	7.967	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	4622	45.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4622	100.824	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.532	75	35	1.597	ug/l #	4

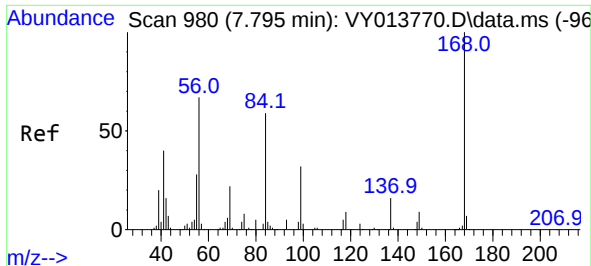
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
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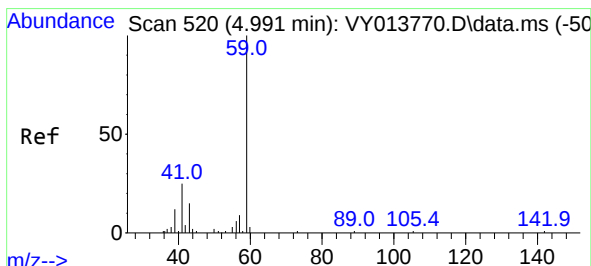
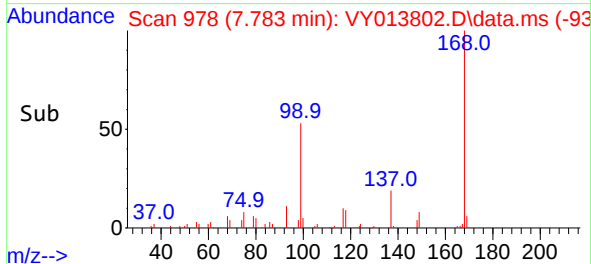
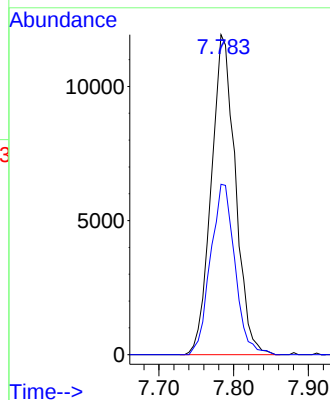
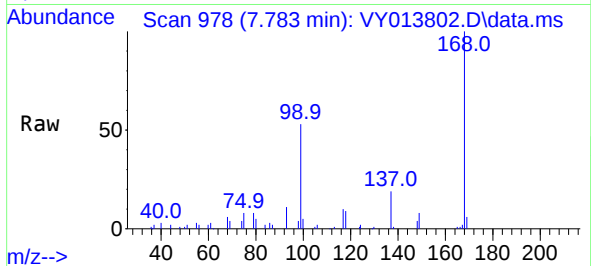




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

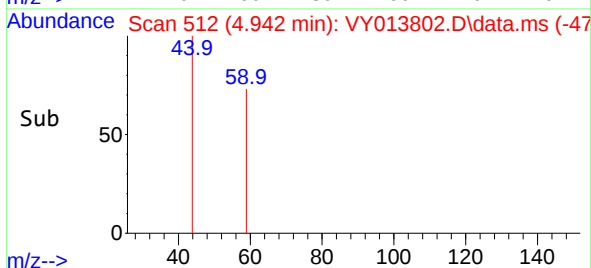
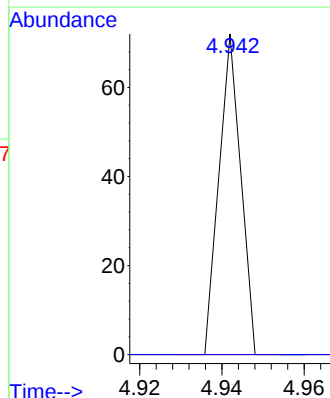
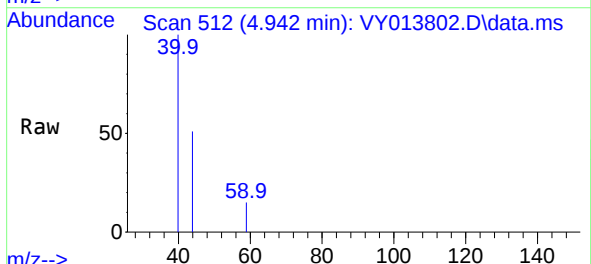
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723

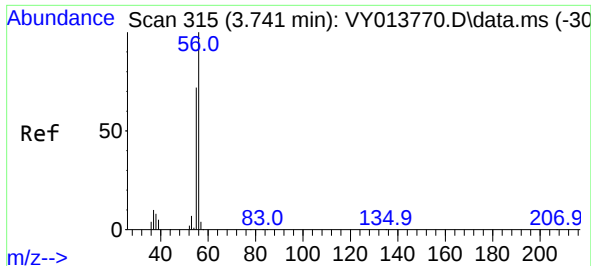
Tgt Ion:168 Resp: 26746
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.033 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.049 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

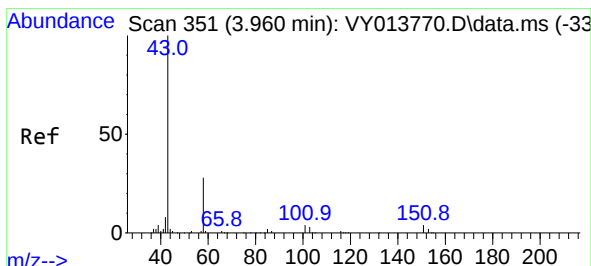
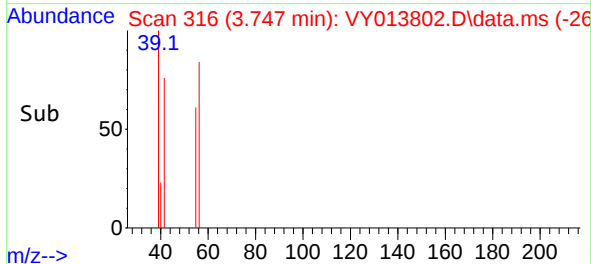
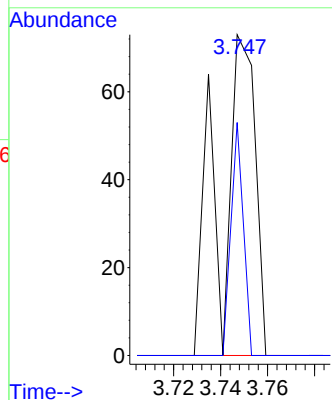
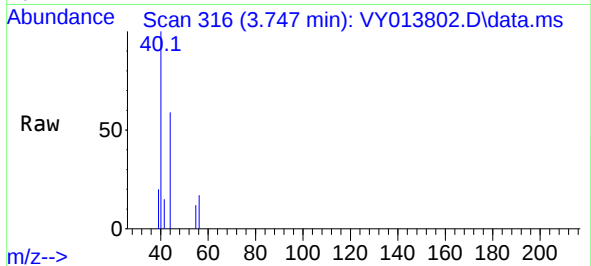




#13
Acrolein
Concen: 1.646 ug/l
RT: 3.747 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

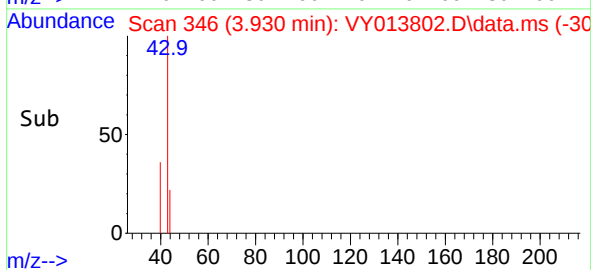
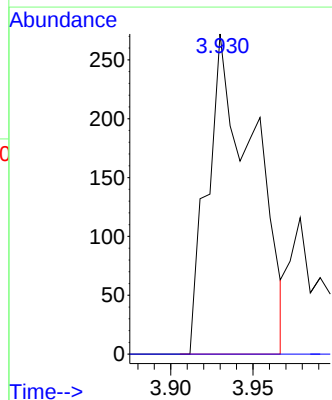
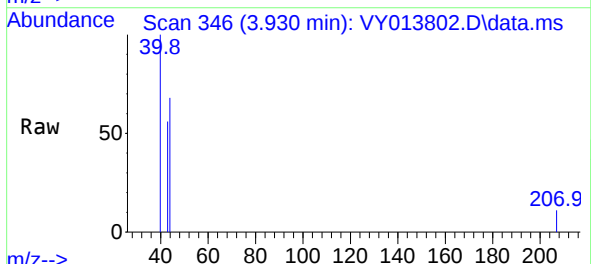
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723

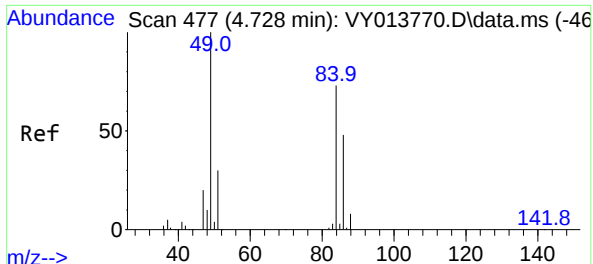
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 25.7 57.5 86.3#



#16
Acetone
Concen: 5.697 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.030 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

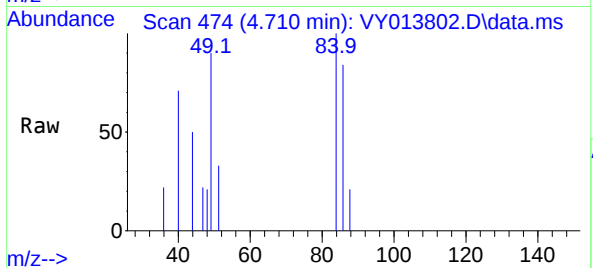
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#





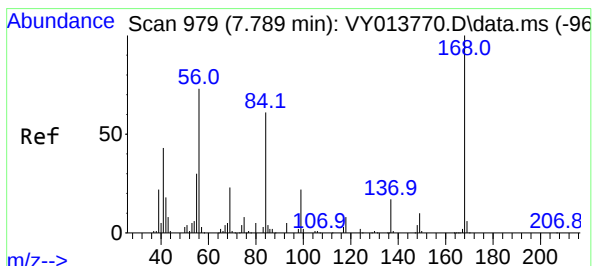
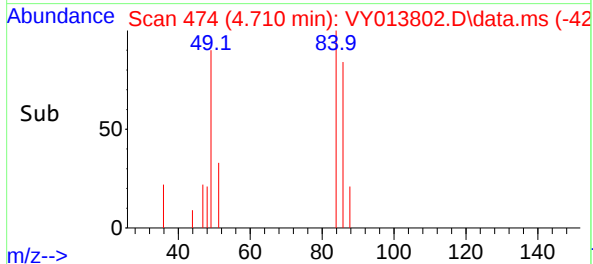
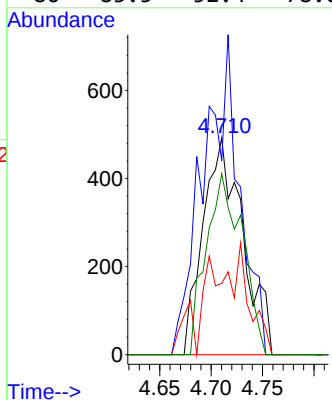
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723



Tgt Ion: 84 Resp: 1324

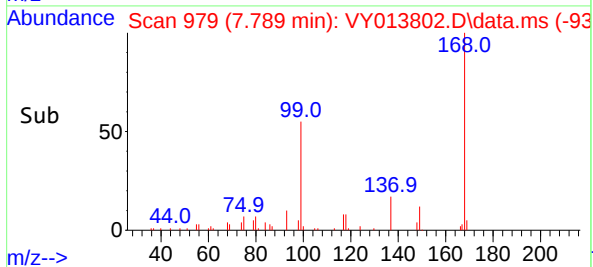
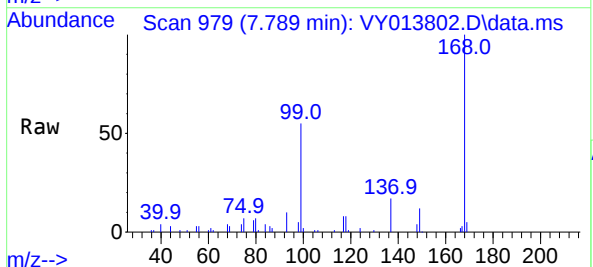
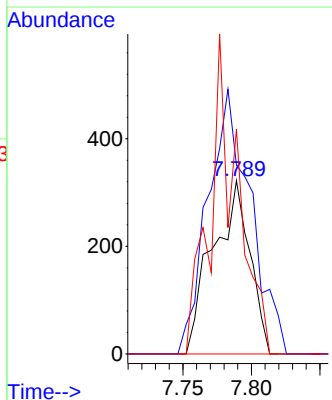
Ion	Ratio	Lower	Upper
84	100		
49	89.6	109.4	164.0#
51	32.9	32.8	49.2
86	83.5	52.4	78.6#

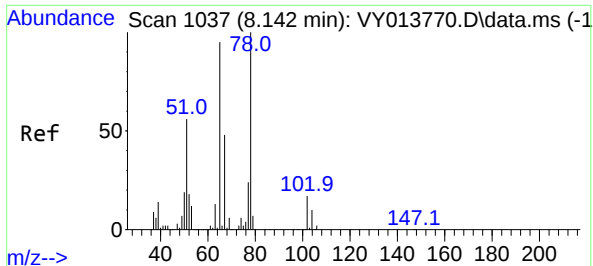


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion: 56 Resp: 605

Ion	Ratio	Lower	Upper
56	100		
69	109.0	25.8	38.6#
84	129.8	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 34.838 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013802.D

Acq: 18 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

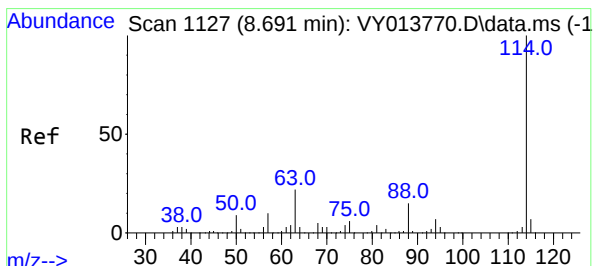
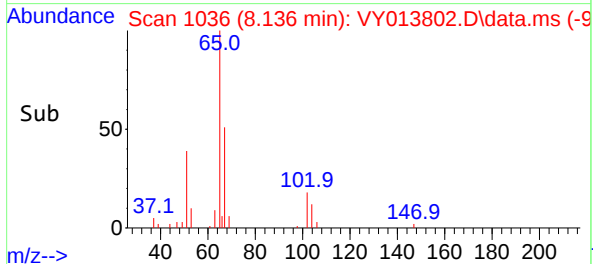
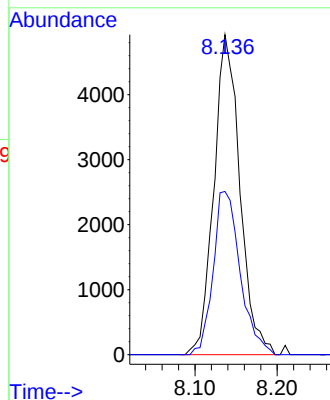
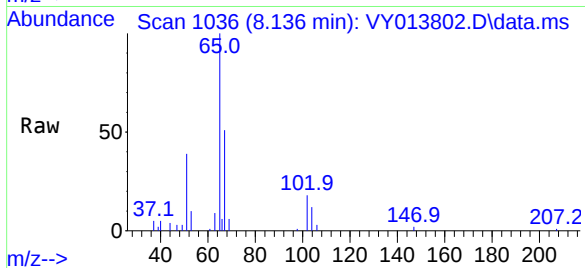
OK-01-051723

Tgt Ion: 65 Resp: 10824

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013802.D

Acq: 18 May 2023 16:00

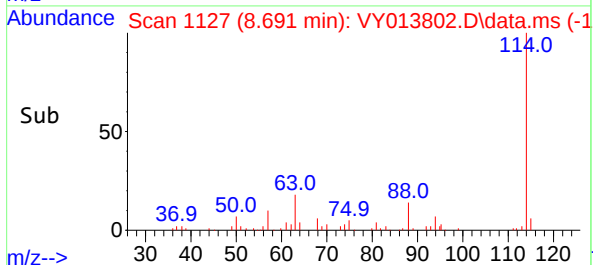
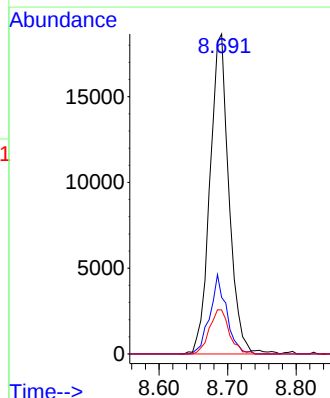
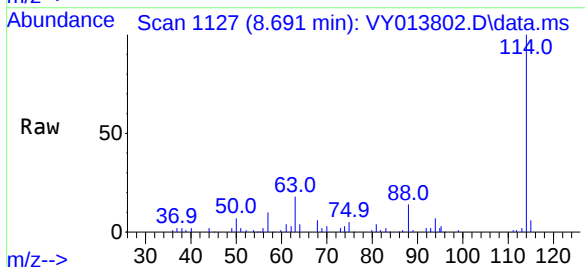
Tgt Ion: 114 Resp: 35935

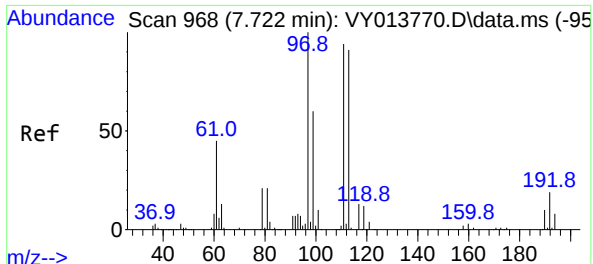
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.8

88 13.8 0.0 30.8

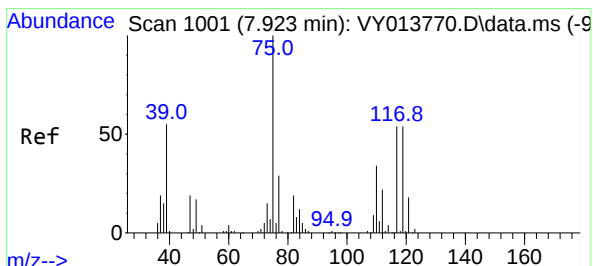
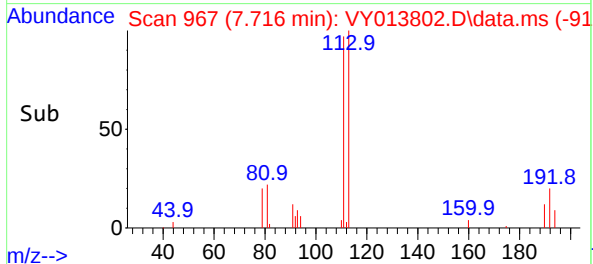
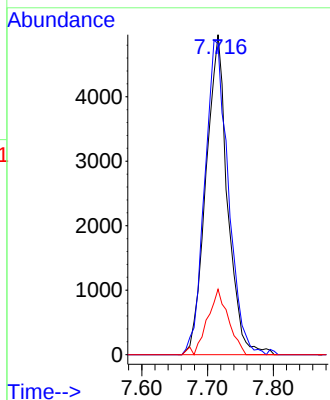
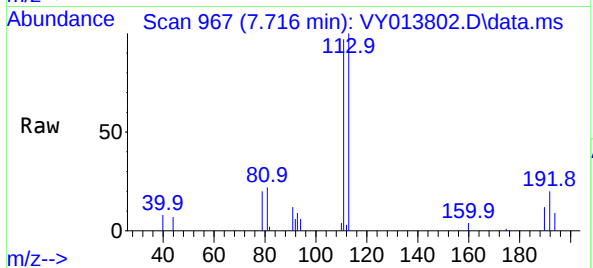




#35
Dibromofluoromethane
Concen: 49.280 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

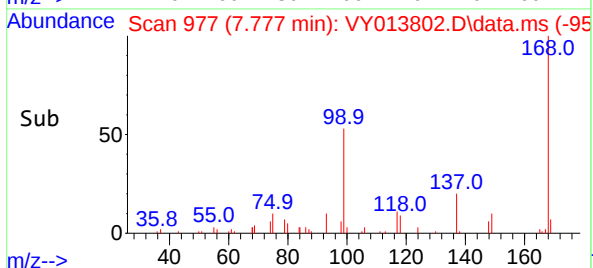
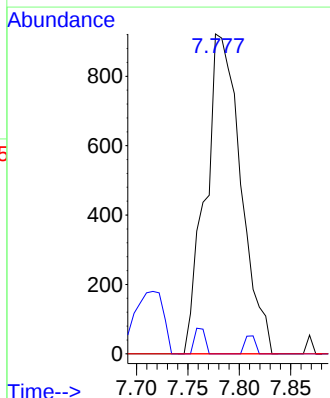
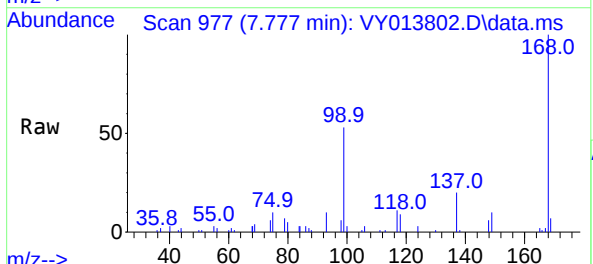
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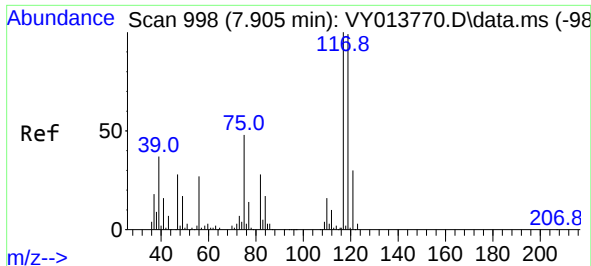
Tgt Ion:	113	Resp:	11356
Ion	Ratio	Lower	Upper
113	100		
111	107.2	82.3	123.5
192	20.0	16.0	24.0



#36
1,1-Dichloropropene
Concen: 6.938 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion:	75	Resp:	2209
Ion	Ratio	Lower	Upper
75	100		
110	2.4	17.3	51.7#
77	0.0	24.6	36.8#

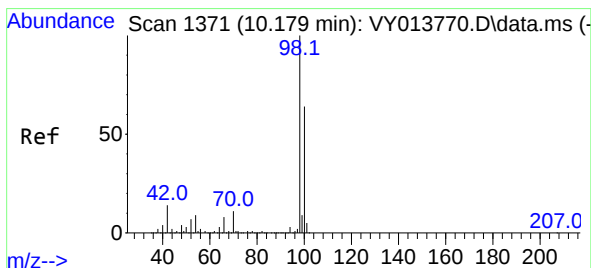
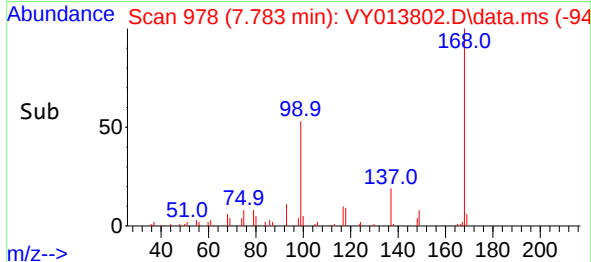
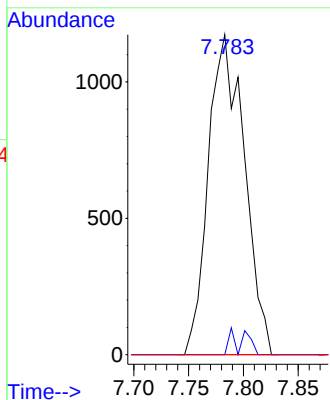
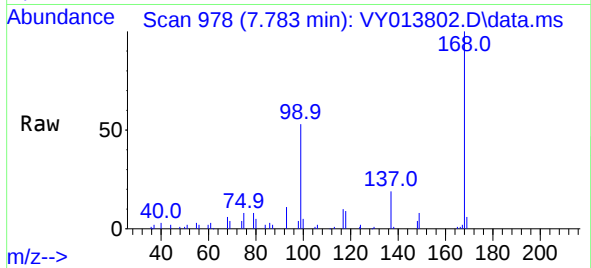




#38
Carbon Tetrachloride
Concen: 7.967 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

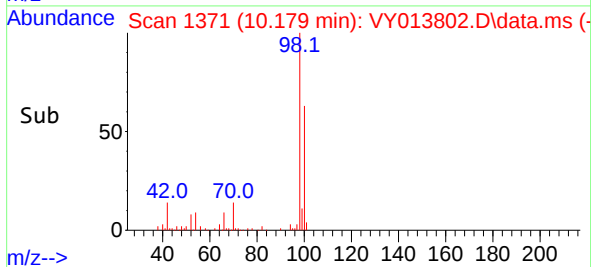
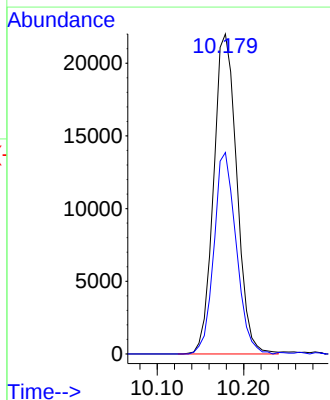
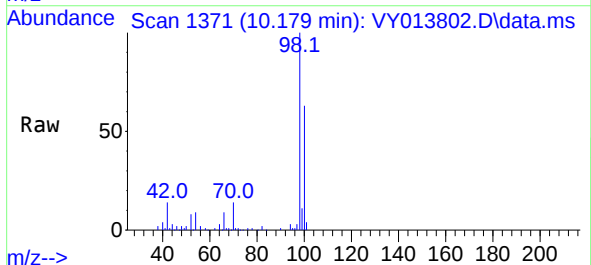
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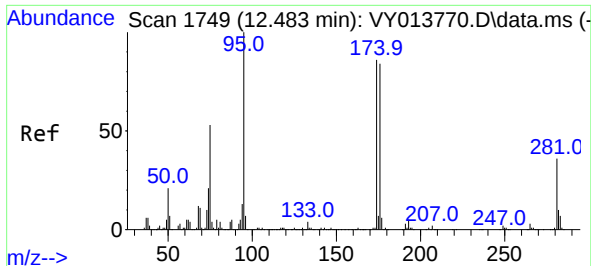
Tgt Ion:117 Resp: 2676
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 46.787 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion: 98 Resp: 40874
Ion Ratio Lower Upper
98 100
100 60.4 51.0 76.6

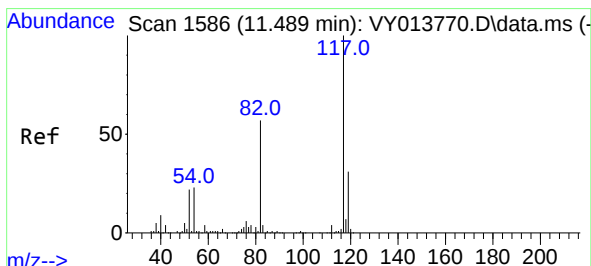
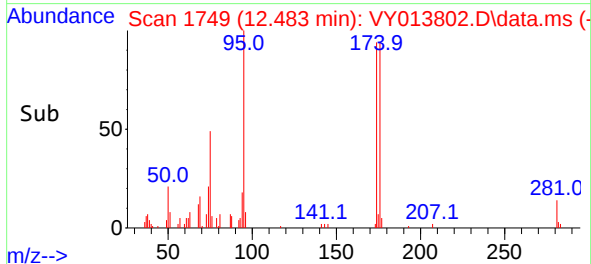
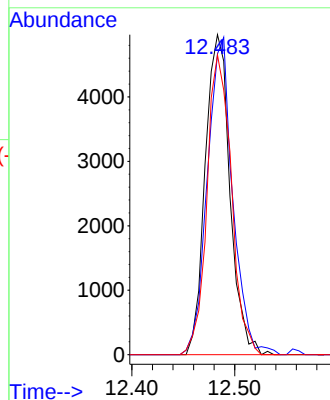
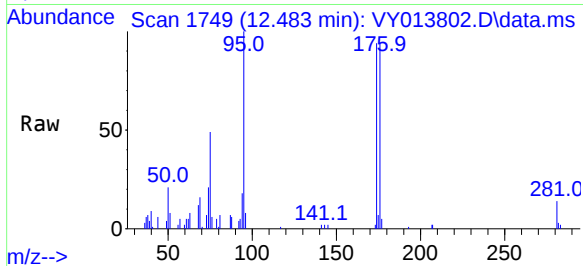




#62
4-Bromofluorobenzene
Concen: 28.703 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

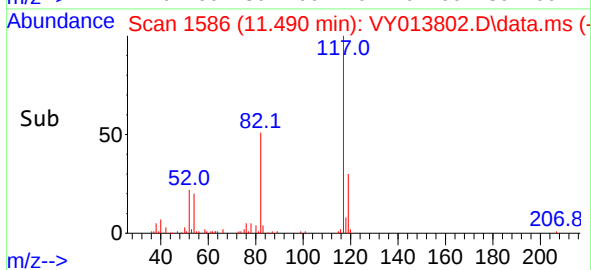
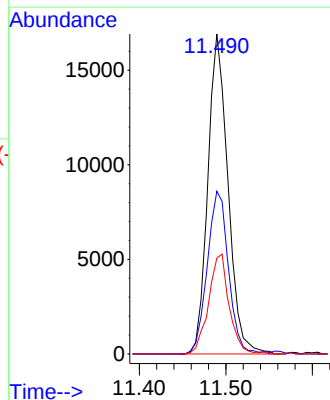
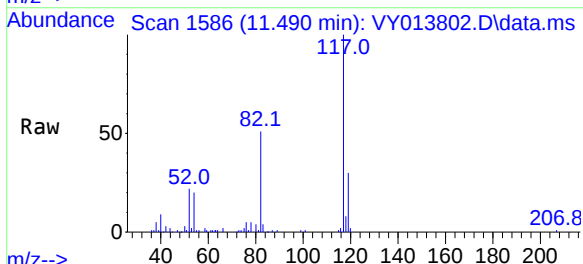
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723

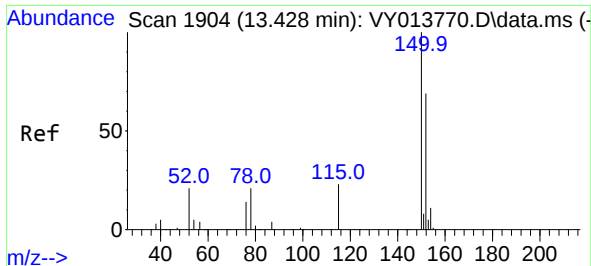
Tgt Ion:	95	Resp:	8329
Ion	Ratio	Lower	Upper
95	100		
174	101.6	0.0	168.8
176	92.2	0.0	165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion:	117	Resp:	27307
Ion	Ratio	Lower	Upper
117	100		
82	50.9	45.5	68.3
119	30.0	24.8	37.2

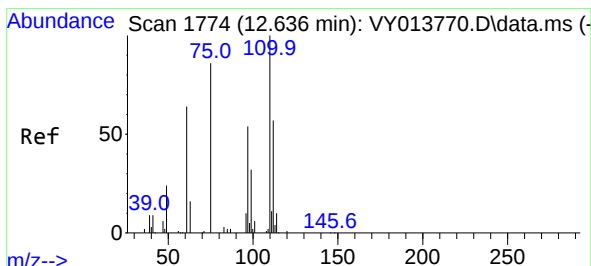
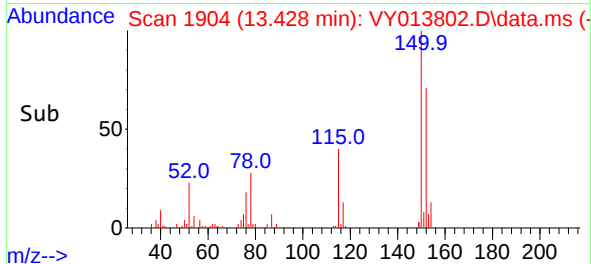
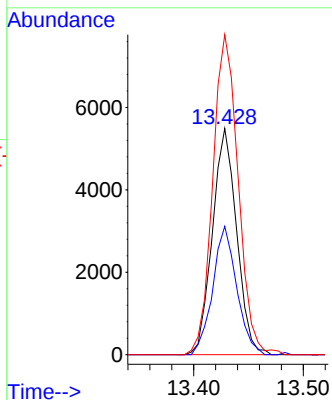
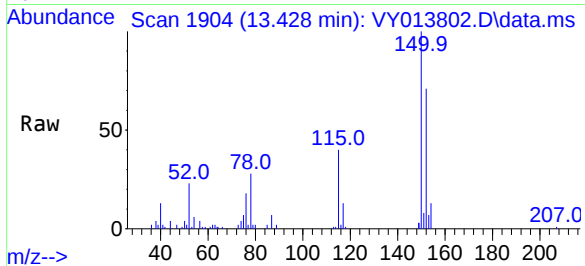




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

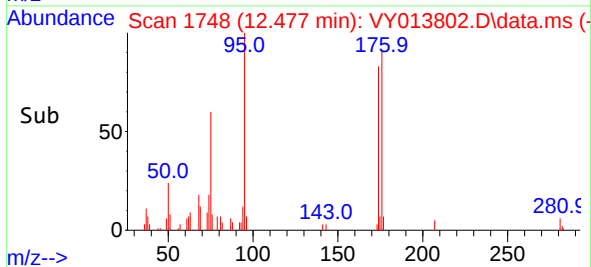
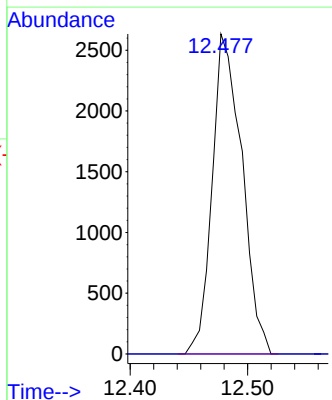
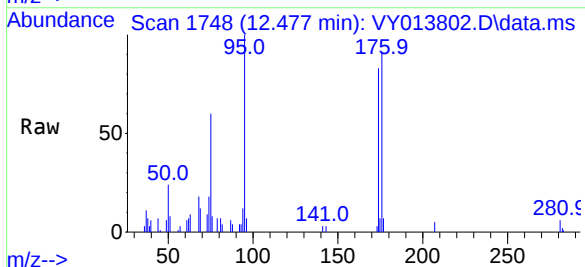
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723

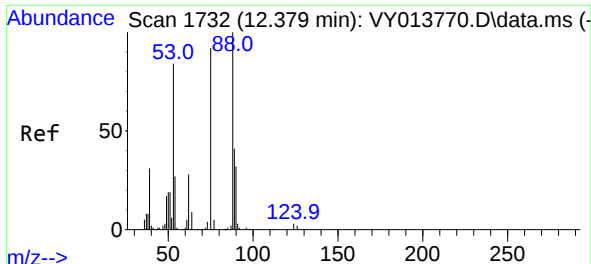
Tgt Ion:152 Resp: 8433
Ion Ratio Lower Upper
152 100
115 56.1 28.5 85.5
150 148.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 45.286 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion: 75 Resp: 4622
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

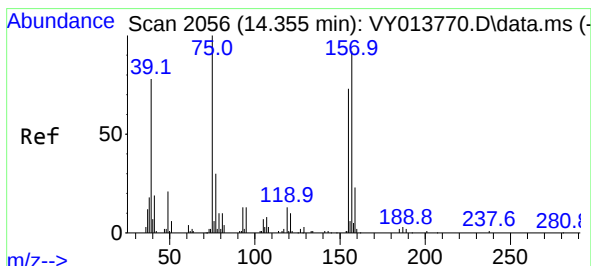
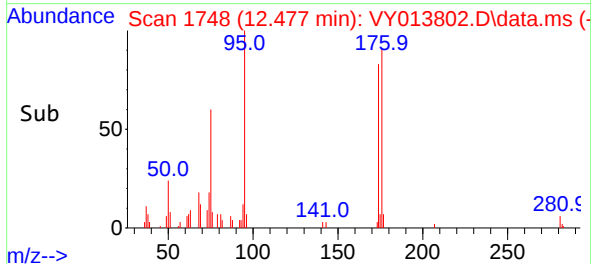
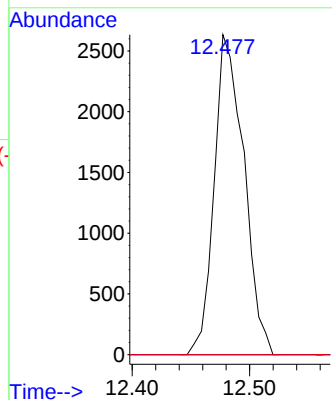
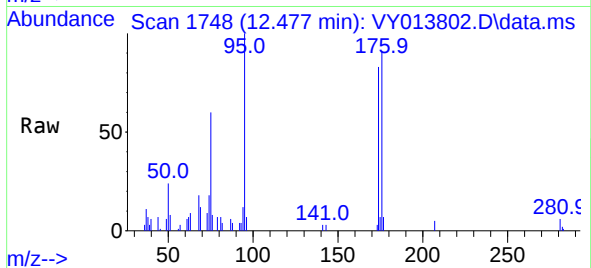




#81
trans-1,4-Dichloro-2-butene
Concen: 100.824 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051723

Tgt Ion: 75 Resp: 4622
Ion Ratio Lower Upper
75 100
53 0.0 75.3 112.9#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.597 ug/l
RT: 14.532 min Scan# 2085
Delta R.T. 0.177 min
Lab File: VY013802.D
Acq: 18 May 2023 16:00

Tgt Ion: 75 Resp: 35
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.3#
157 0.0 50.2 150.7#

