

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016808.D
 Acq On : 22 Dec 2023 15:13
 Operator : SY/MD
 Sample : 05877-09
 Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:00:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	103285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	227821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	226833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	79379	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	68252	72.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.780%
35) Dibromofluoromethane	7.728	113	73909	56.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.260%
50) Toluene-d8	10.191	98	267233	56.804	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.600%
62) 4-Bromofluorobenzene	12.489	95	82812	54.258	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.520%

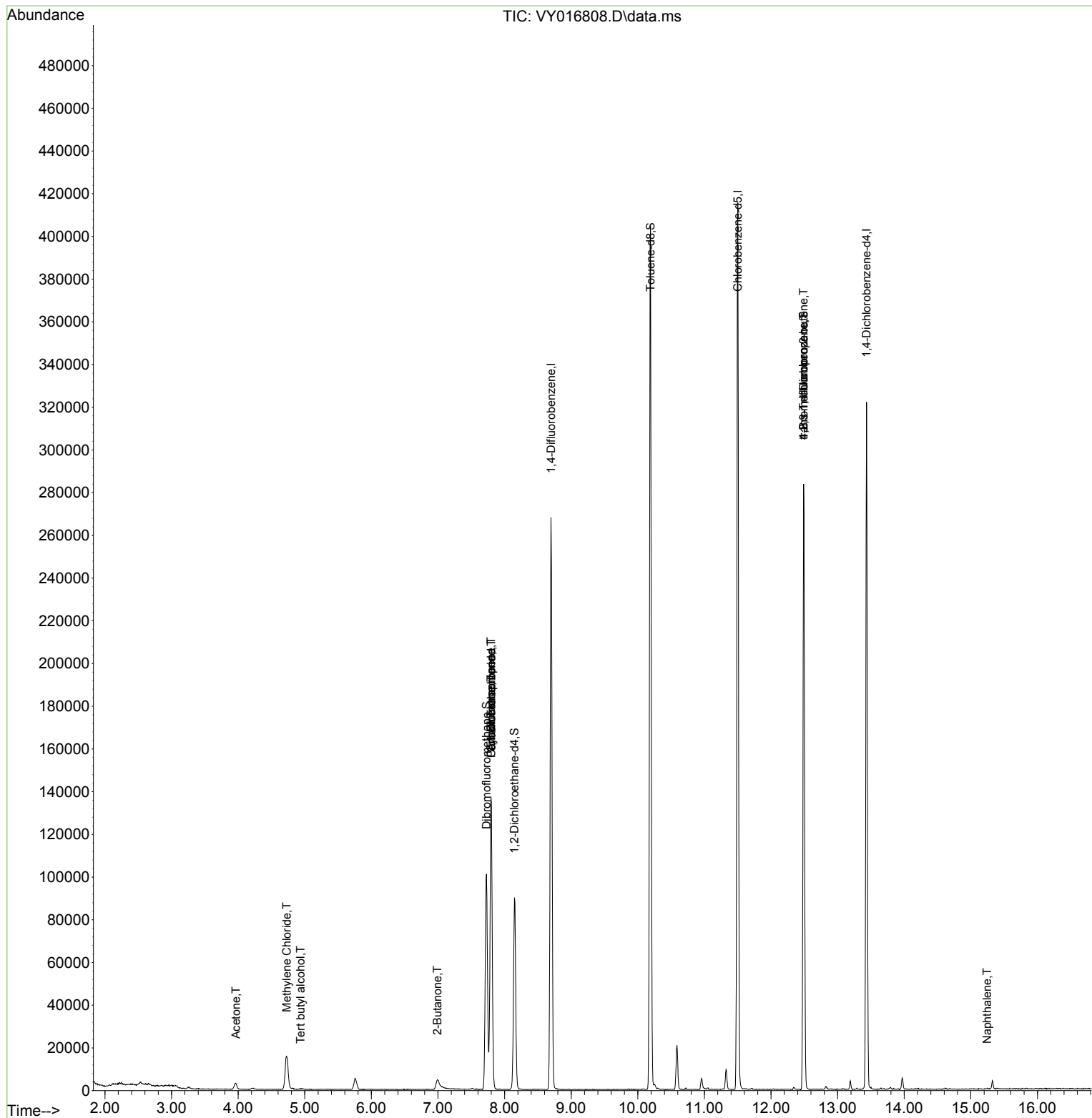
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	439	5.679	ug/l #	75
16) Acetone	3.966	43	5729	22.470	ug/l	96
20) Methylene Chloride	4.728	84	12267	6.689	ug/l	97
25) 2-Butanone	6.990	43	356	1.014	ug/l #	48
31) Cyclohexane	7.795	56	2477	1.371	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	9596	4.587	ug/l #	48
38) Carbon Tetrachloride	7.801	117	10899	5.265	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	44297	50.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	44297	118.552	ug/l #	12
95) Naphthalene	15.245	128	449	3.757	ug/l #	69

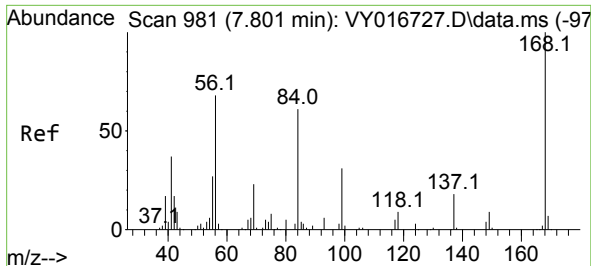
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

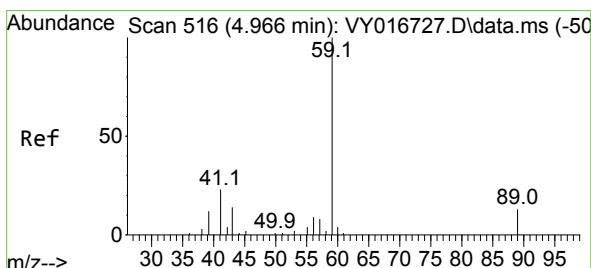
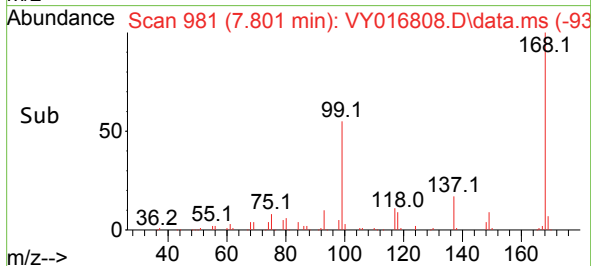
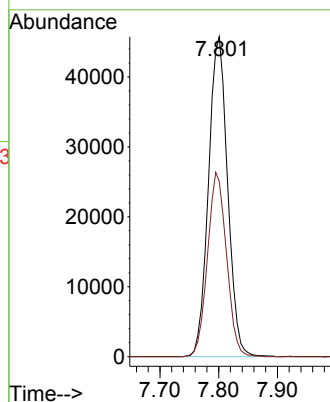
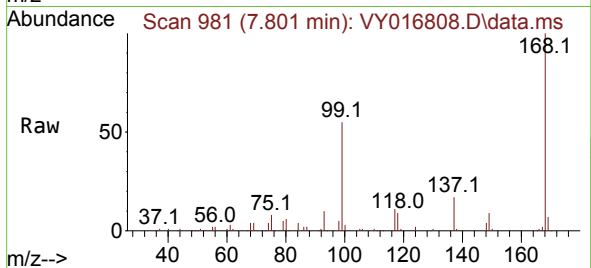




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

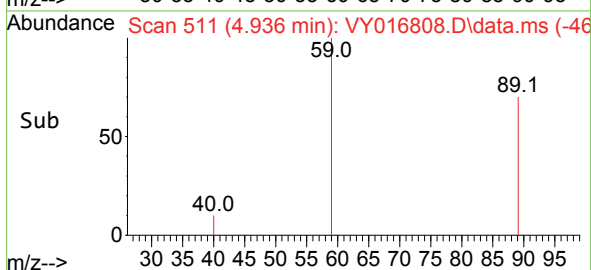
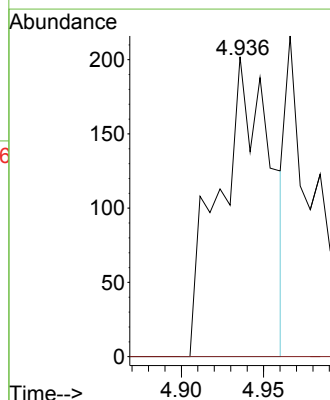
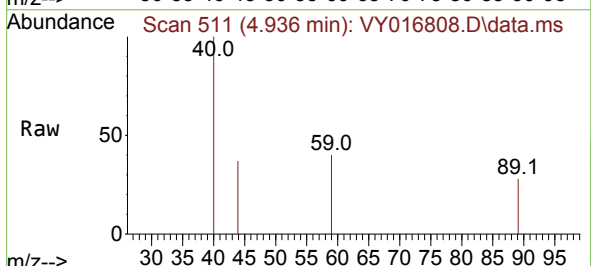
Instrument :
MSVOA_Y
ClientSampleId :

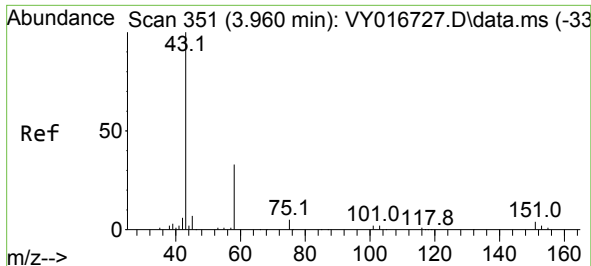
Tgt Ion:168 Resp: 103285
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.679 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

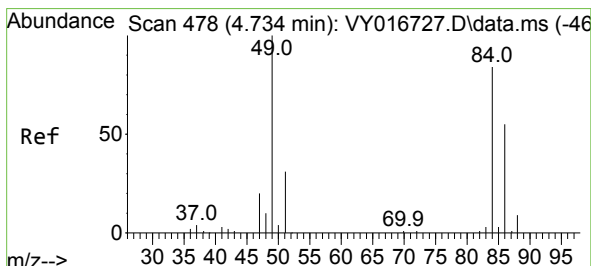
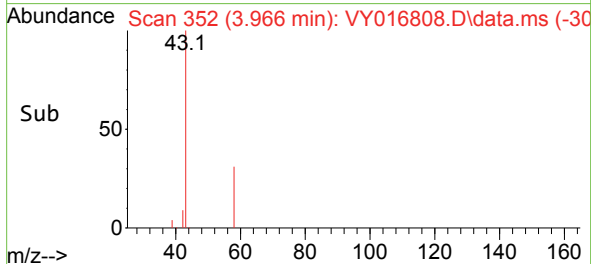
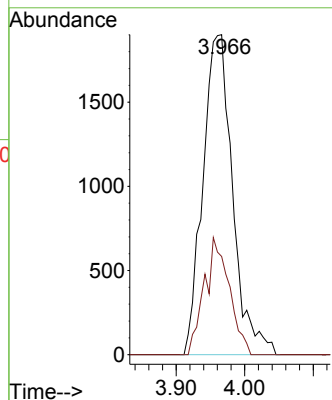
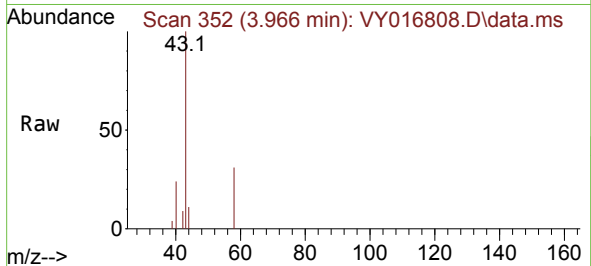




#16
Acetone
Concen: 22.470 ug/l
RT: 3.966 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

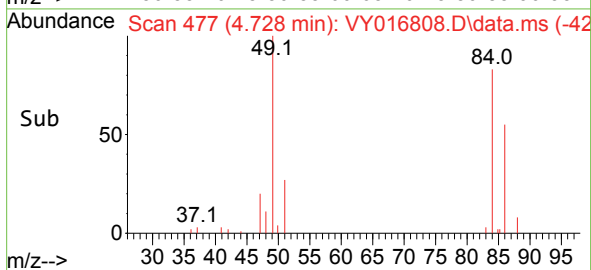
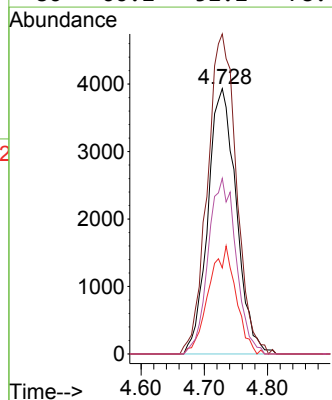
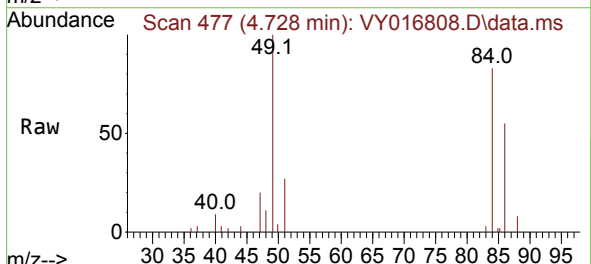
Instrument :
MSVOA_Y
ClientSampleId :

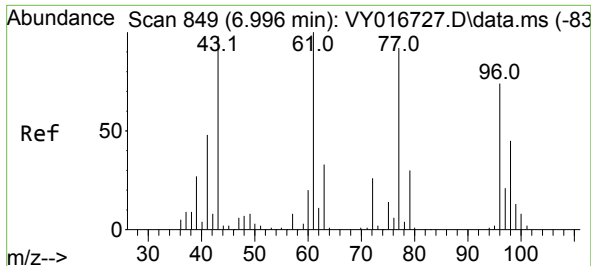
Tgt Ion: 43 Resp: 5729
Ion Ratio Lower Upper
43 100
58 30.7 26.6 39.8



#20
Methylene Chloride
Concen: 6.689 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Tgt Ion: 84 Resp: 12267
Ion Ratio Lower Upper
84 100
49 120.7 95.2 142.8
51 32.4 29.9 44.9
86 66.2 52.2 78.4





#25

2-Butanone

Concen: 1.014 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016808.D

Acq: 22 Dec 2023 15:13

Instrument :

MSVOA_Y

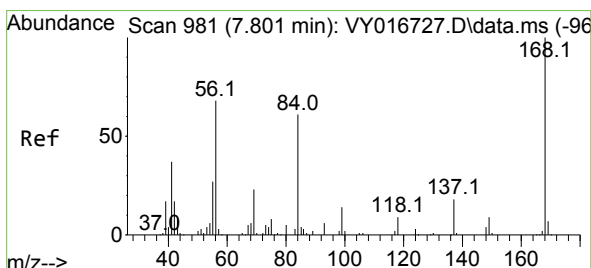
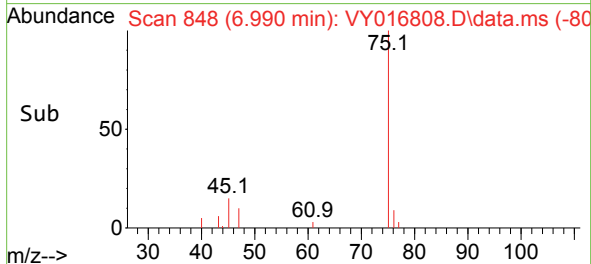
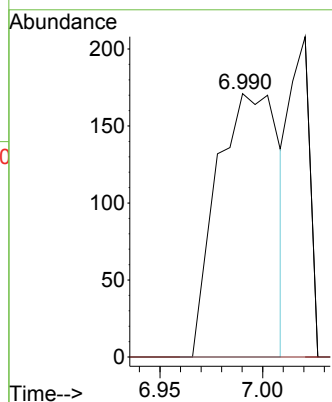
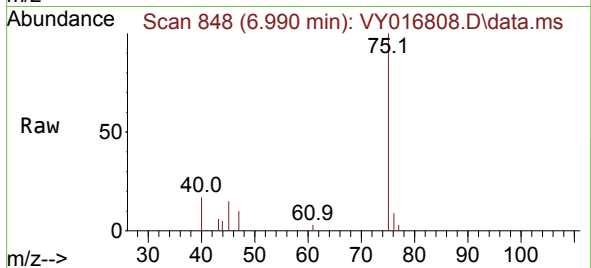
ClientSampleId :

Tgt Ion: 43 Resp: 356

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016808.D

Acq: 22 Dec 2023 15:13

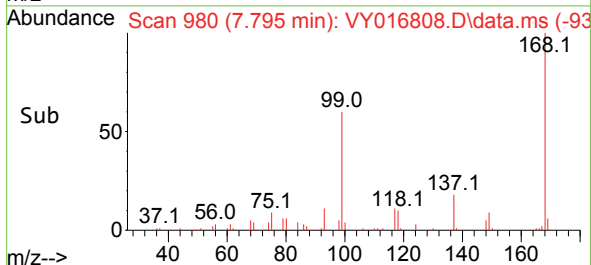
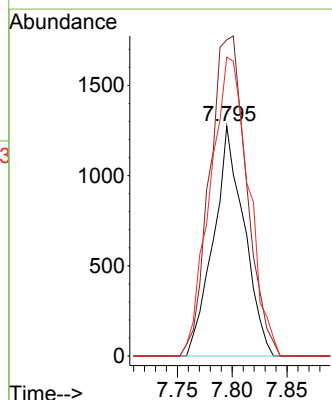
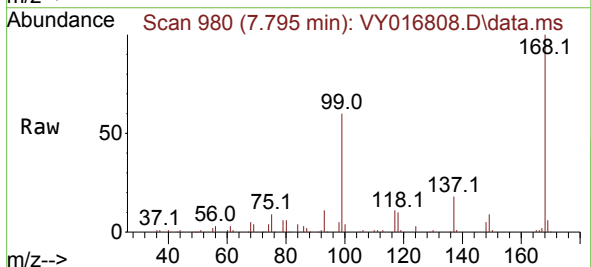
Tgt Ion: 56 Resp: 2477

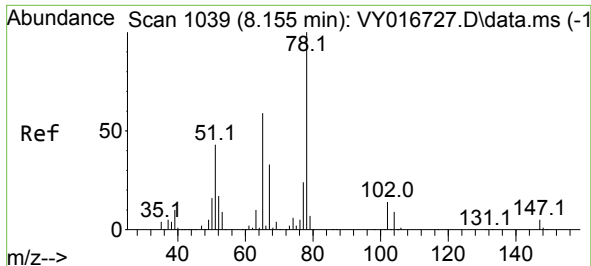
Ion Ratio Lower Upper

56 100

69 137.5 27.0 40.6#

84 129.9 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 72.387 ug/l

RT: 8.149 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY016808.D

Acq: 22 Dec 2023 15:13

Instrument :

MSVOA_Y

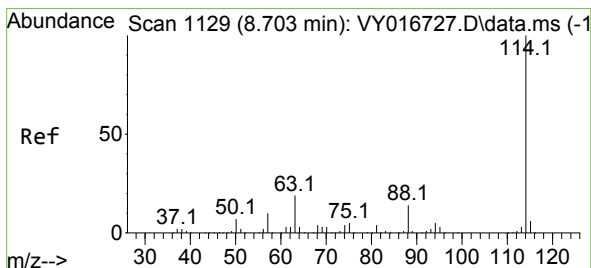
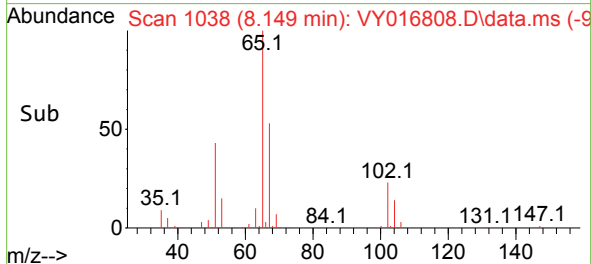
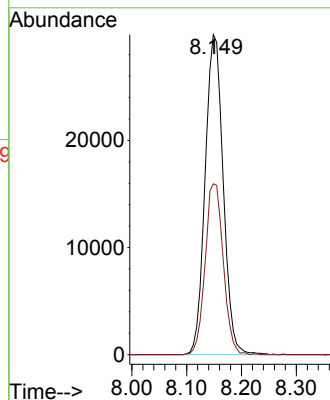
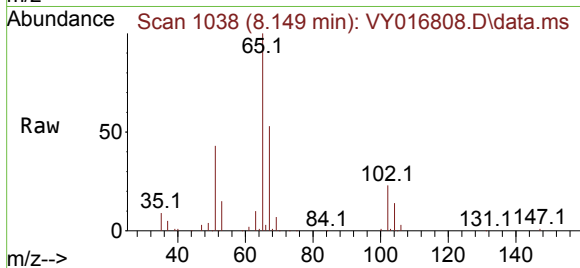
ClientSampleId :

Tgt Ion: 65 Resp: 68252

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016808.D

Acq: 22 Dec 2023 15:13

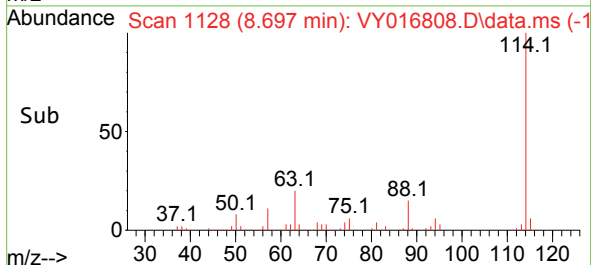
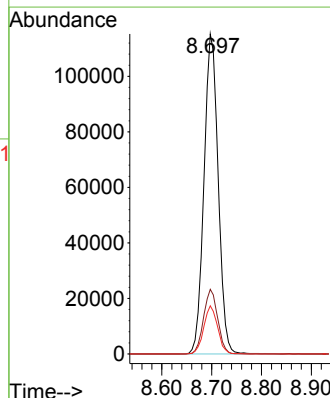
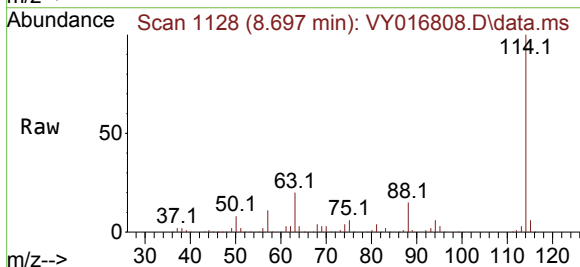
Tgt Ion: 114 Resp: 227821

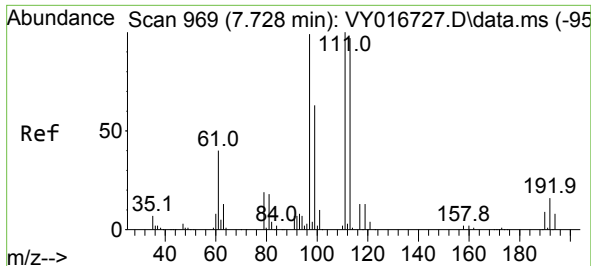
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

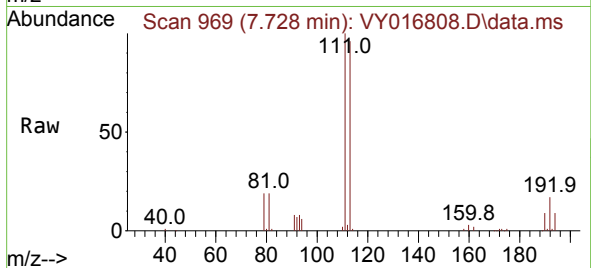
88 15.1 0.0 29.0



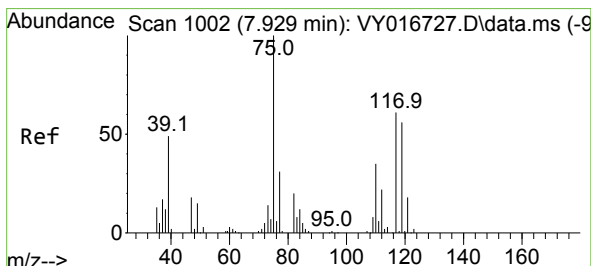
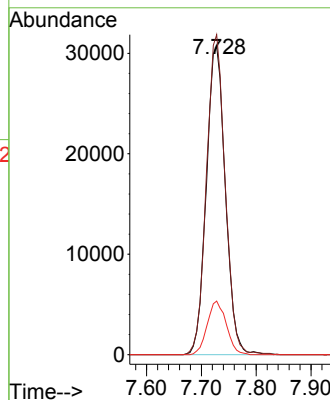
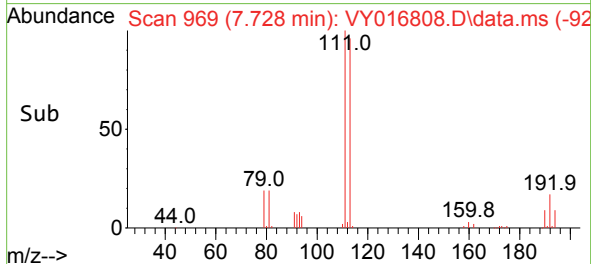


#35
Dibromofluoromethane
Concen: 56.635 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

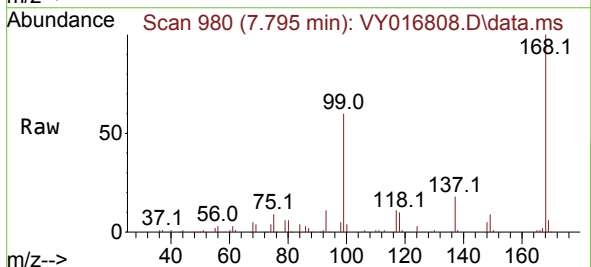
Instrument :
MSVOA_Y
ClientSampleId :



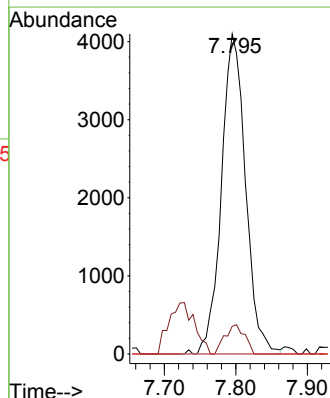
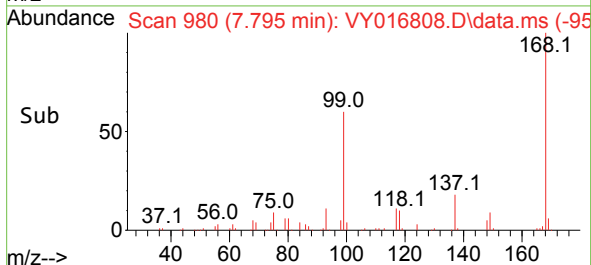
Tgt Ion:113 Resp: 73909
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.6
192 17.4 14.5 21.7

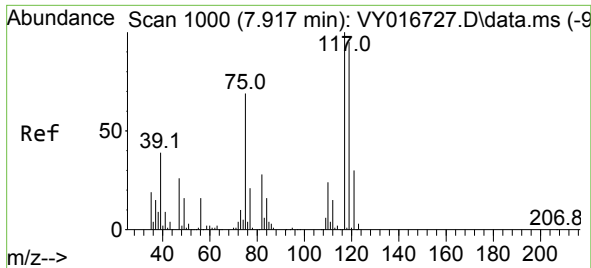


#36
1,1-Dichloropropene
Concen: 4.587 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13



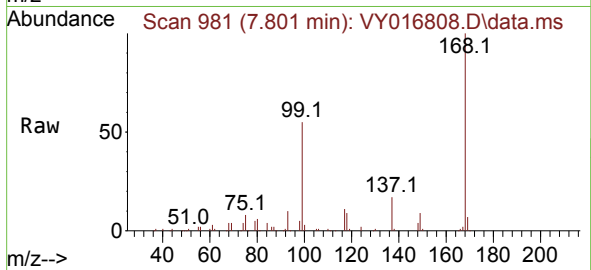
Tgt Ion: 75 Resp: 9596
Ion Ratio Lower Upper
75 100
110 7.4 17.4 52.3#
77 0.0 24.7 37.1#



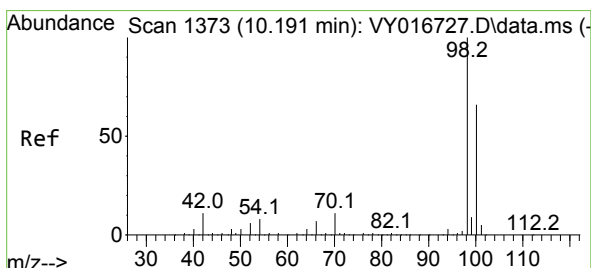
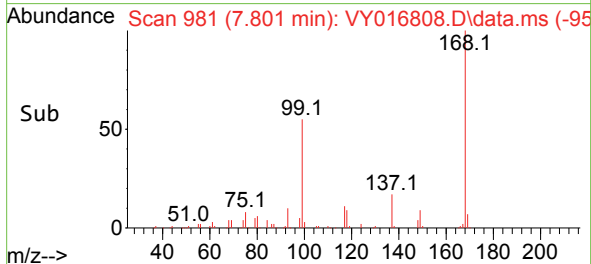
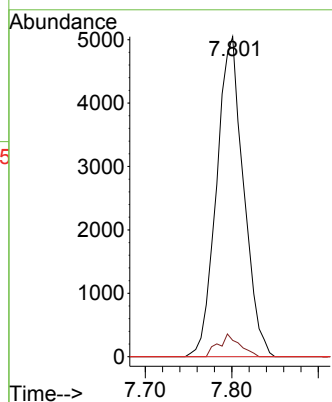


#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Instrument :
MSVOA_Y
ClientSampleId :

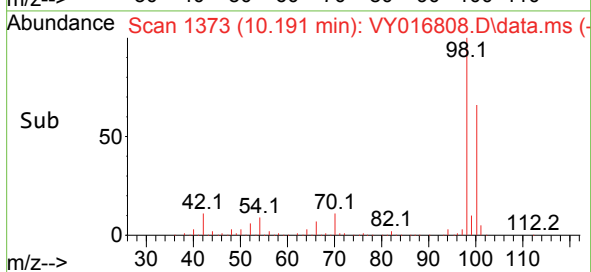
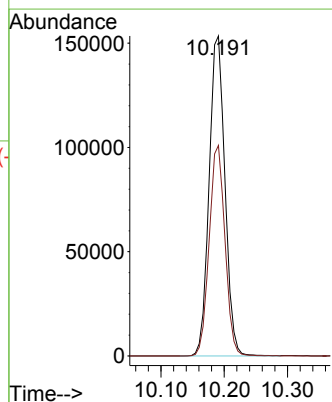
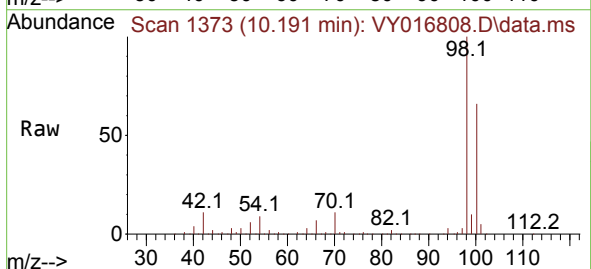


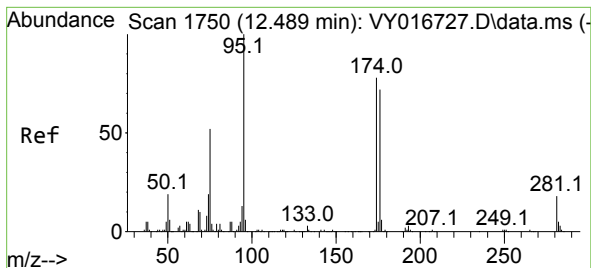
Tgt Ion:117 Resp: 10899
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.804 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Tgt Ion: 98 Resp: 267233
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

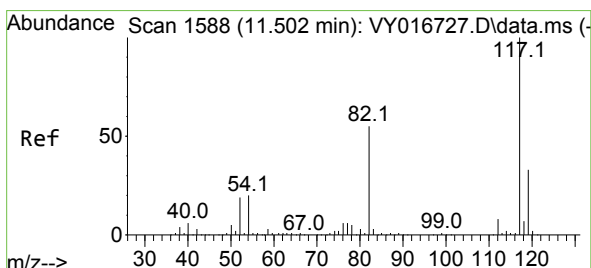
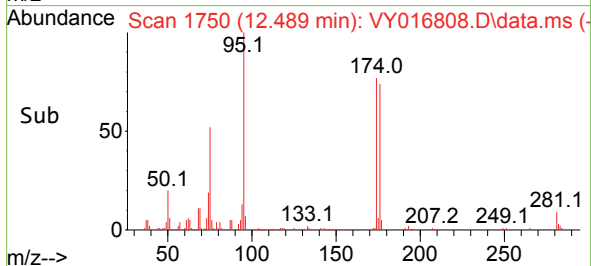
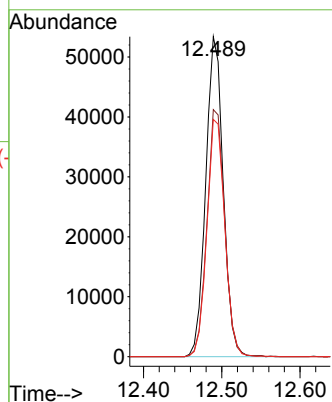
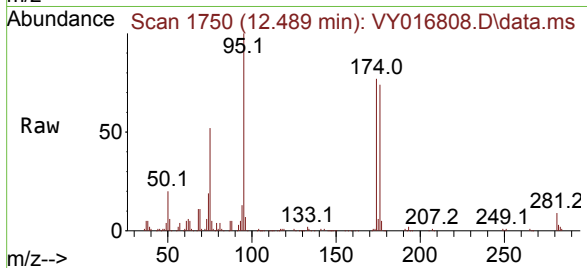




#62
4-Bromofluorobenzene
Concen: 54.258 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

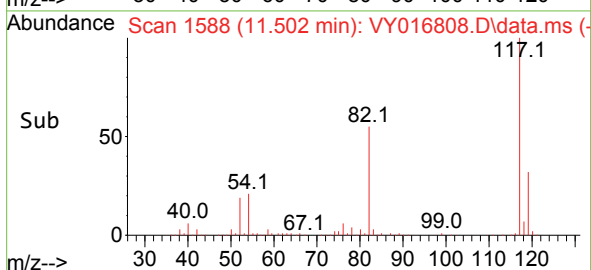
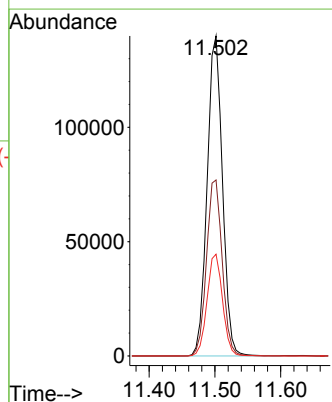
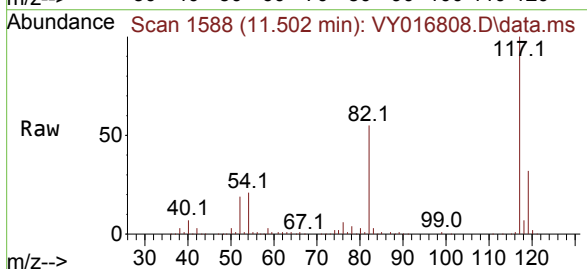
Instrument :
MSVOA_Y
ClientSampleId :

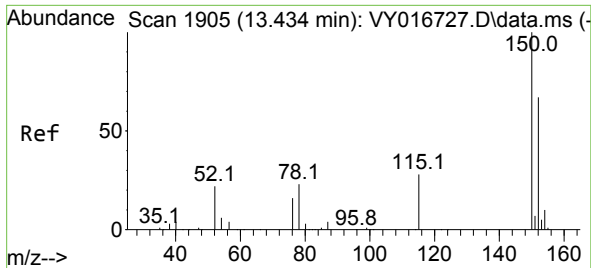
Tgt Ion: 95 Resp: 82812
Ion Ratio Lower Upper
95 100
174 78.4 0.0 160.0
176 75.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Tgt Ion: 117 Resp: 226833
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 31.8 26.5 39.7

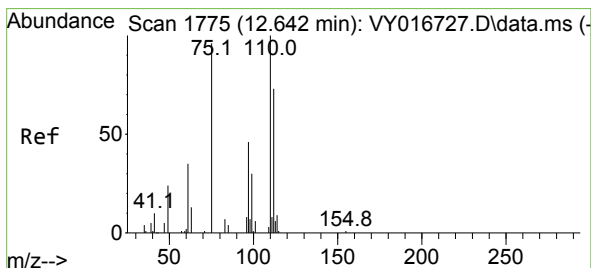
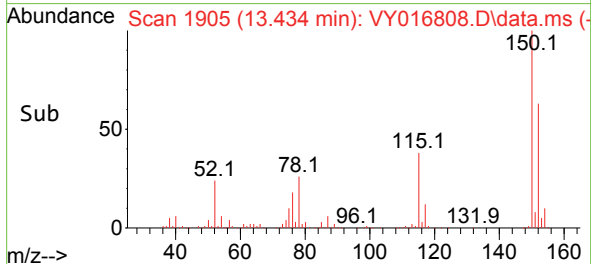
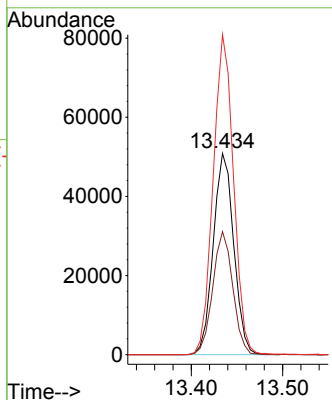
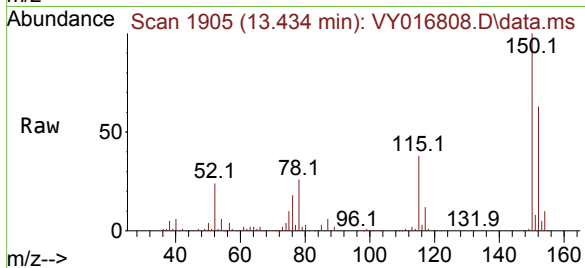




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016808.D
 Acq: 22 Dec 2023 15:13

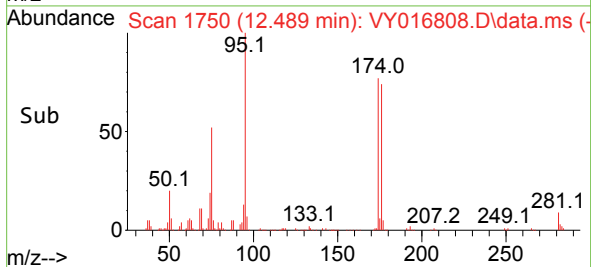
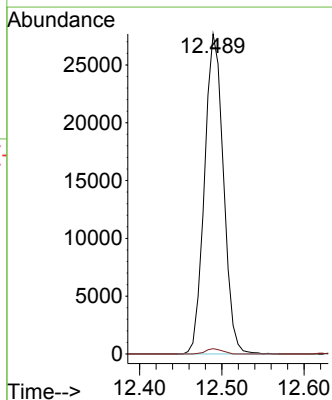
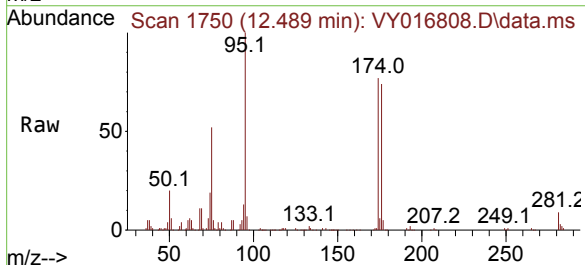
Instrument :
 MSVOA_Y
 ClientSampleId :

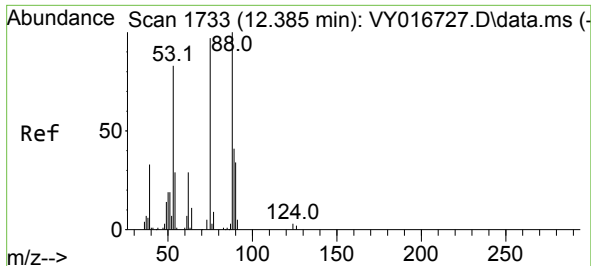
Tgt Ion:152 Resp: 79379
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.0 90.0
 150 157.8 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 50.481 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016808.D
 Acq: 22 Dec 2023 15:13

Tgt Ion: 75 Resp: 44297
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

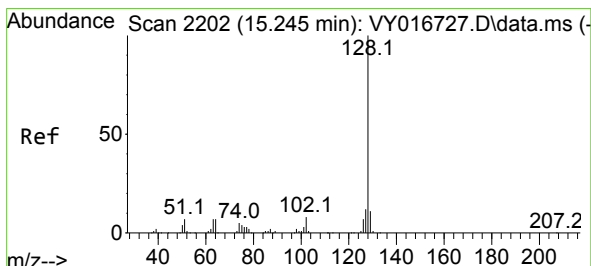
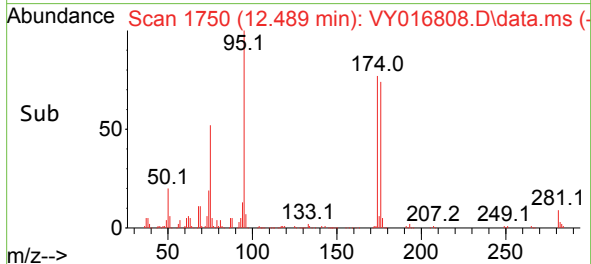
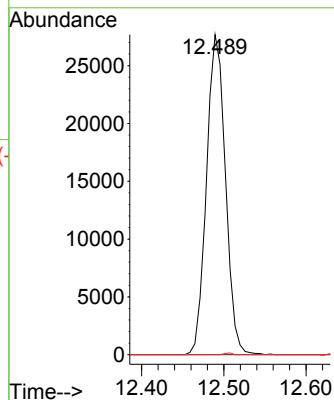
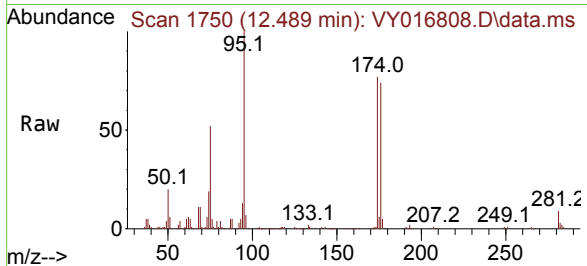




#81
trans-1,4-Dichloro-2-butene
Concen: 118.552 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44297
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.757 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016808.D
Acq: 22 Dec 2023 15:13

Tgt Ion:128 Resp: 449
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

