

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016810.D
 Acq On : 22 Dec 2023 16:00
 Operator : SY/MD
 Sample : 05877-11
 Misc : 3.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:00:58 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)

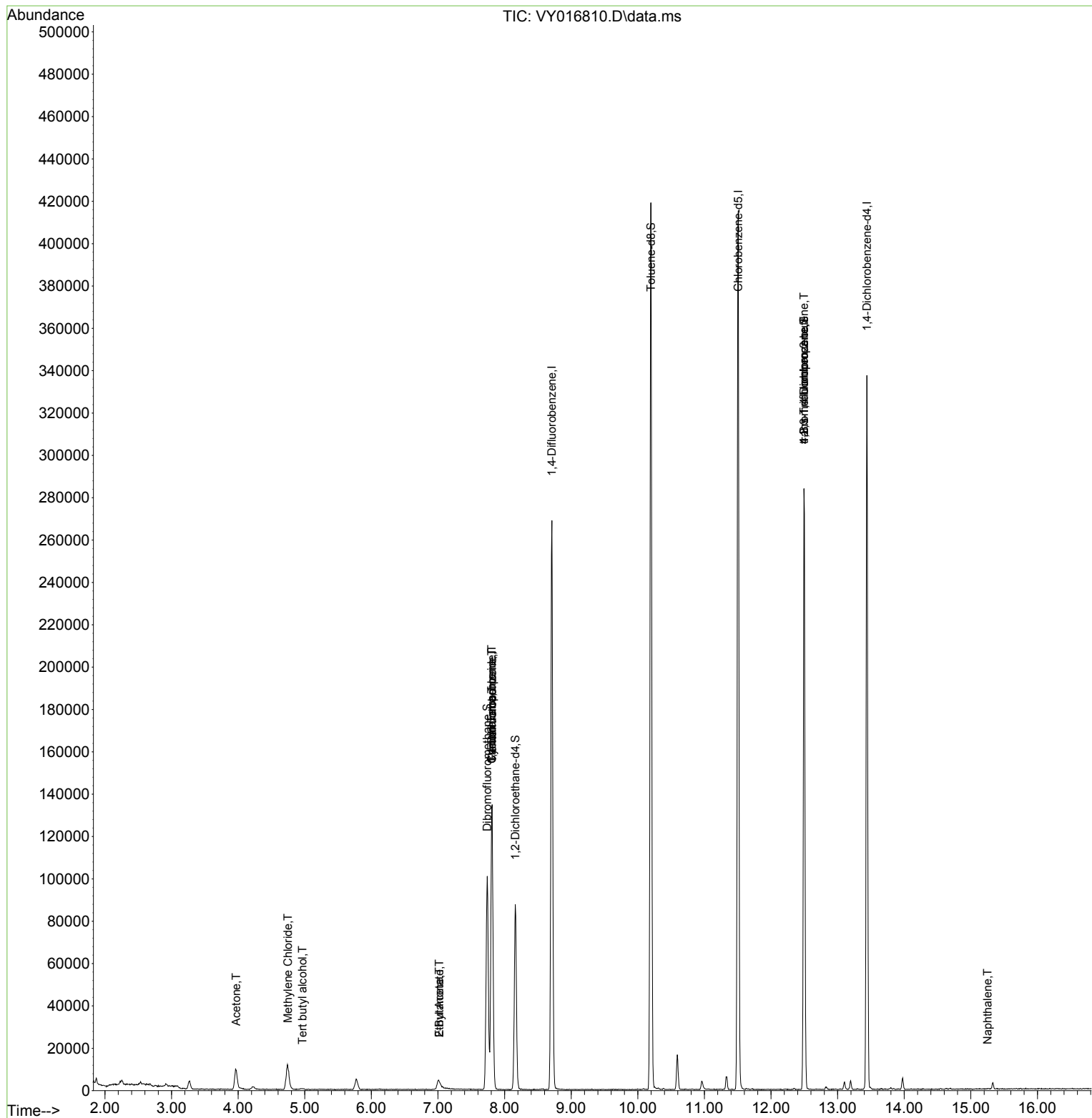
Internal Standards						
1) Pentafluorobenzene	7.813	168	101958	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	227327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	229708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	82002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	66054	70.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.940%	
35) Dibromofluoromethane	7.740	113	72095	55.365	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.720%	
50) Toluene-d8	10.197	98	270368	57.596	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.200%	
62) 4-Bromofluorobenzene	12.495	95	83911	55.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	469	6.146	ug/l #	75
16) Acetone	3.973	43	17447	69.319	ug/l	95
20) Methylene Chloride	4.747	84	8516	3.834	ug/l	95
25) 2-Butanone	7.021	43	1902	5.489	ug/l #	86
31) Cyclohexane	7.807	56	2363	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	9041	4.331	ug/l #	49
37) Ethyl Acetate	7.021	43	1902	2.126	ug/l #	73
38) Carbon Tetrachloride	7.807	117	10404	5.036	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	43915	48.445	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	43915	113.771	ug/l #	12
95) Naphthalene	15.251	128	93	3.627	ug/l #	69

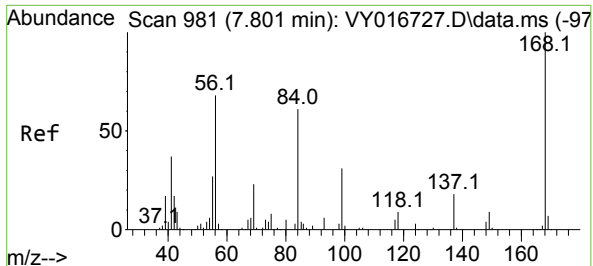
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

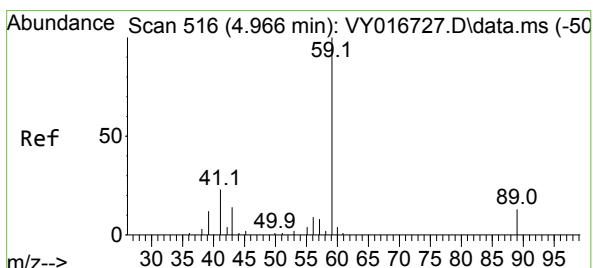
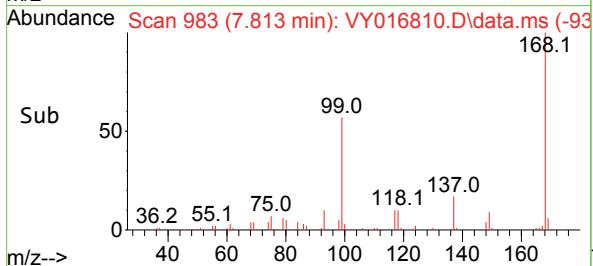
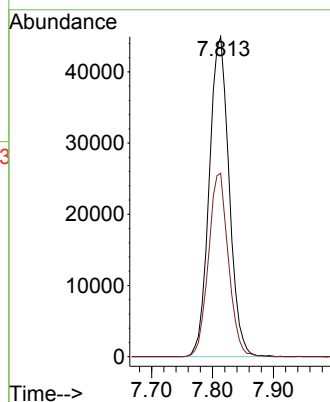
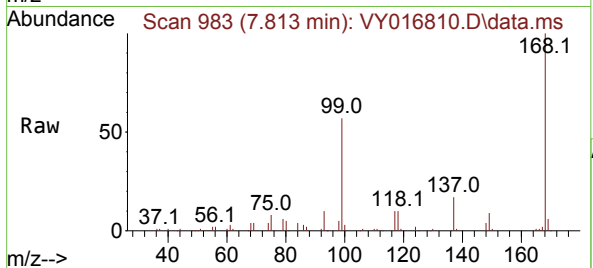




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

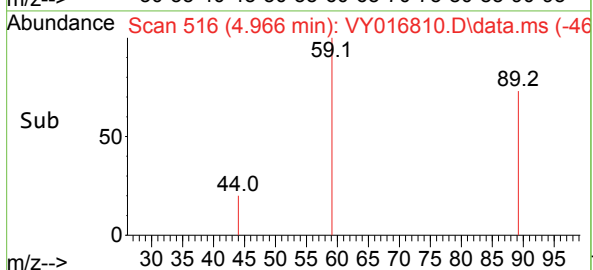
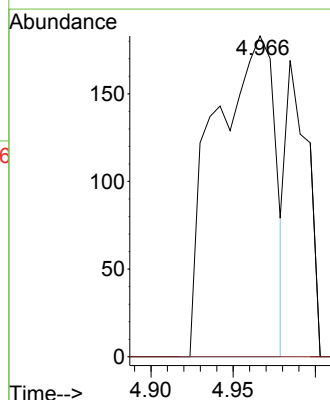
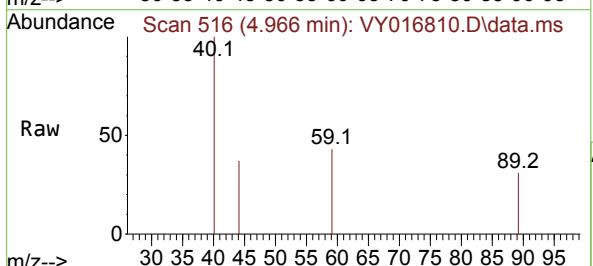
Instrument :
MSVOA_Y
ClientSampleId :

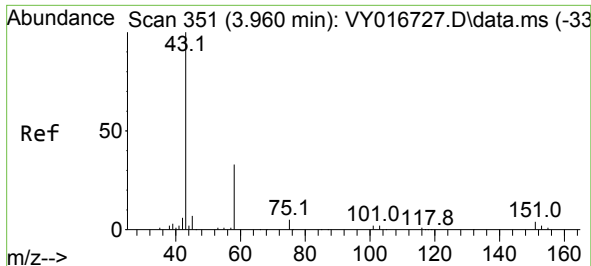
Tgt Ion:168 Resp: 101958
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.146 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

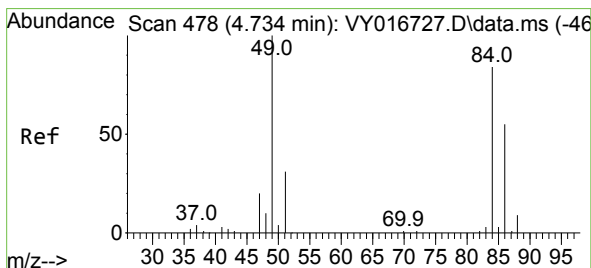
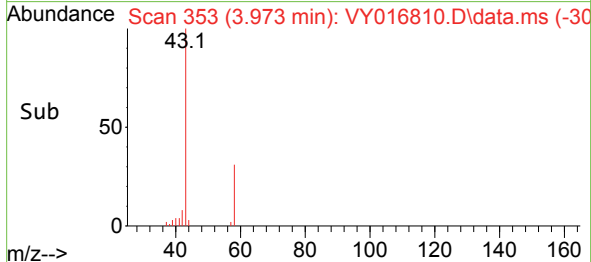
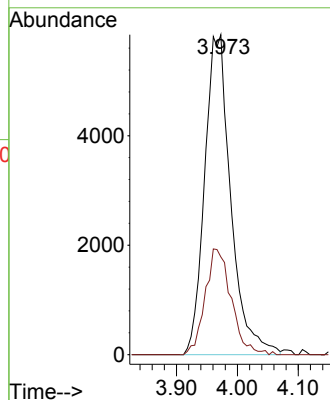
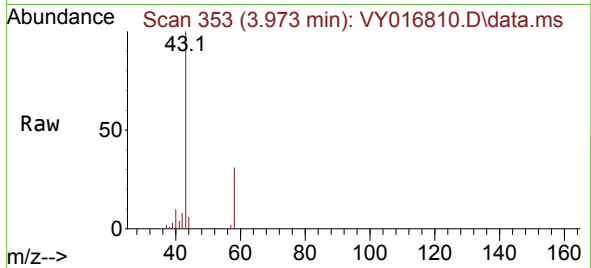




#16
Acetone
Concen: 69.319 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

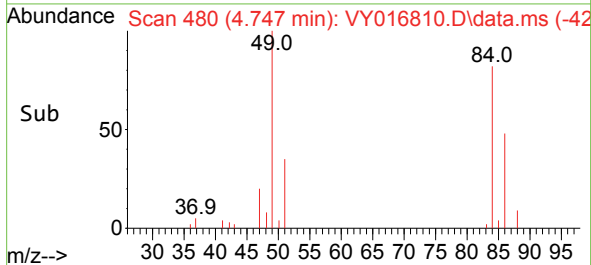
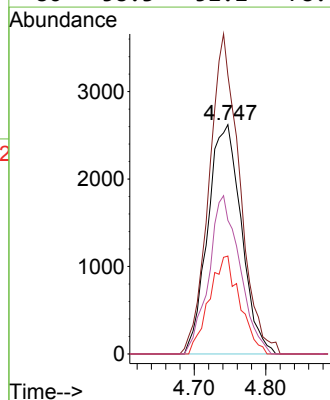
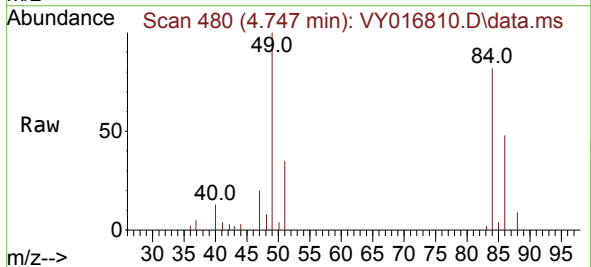
Instrument :
MSVOA_Y
ClientSampleId :

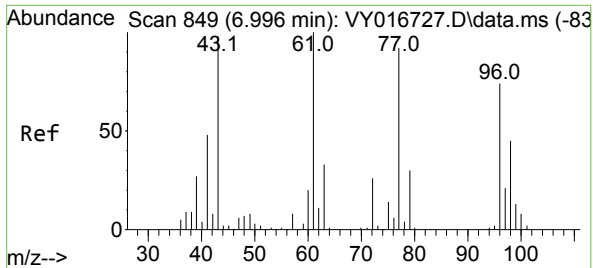
Tgt Ion: 43 Resp: 17447
Ion Ratio Lower Upper
43 100
58 30.6 26.6 39.8



#20
Methylene Chloride
Concen: 3.834 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

Tgt Ion: 84 Resp: 8516
Ion Ratio Lower Upper
84 100
49 121.6 95.2 142.8
51 42.7 29.9 44.9
86 58.3 52.2 78.4





#25

2-Butanone

Concen: 5.489 ug/l

RT: 7.021 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

Instrument :

MSVOA_Y

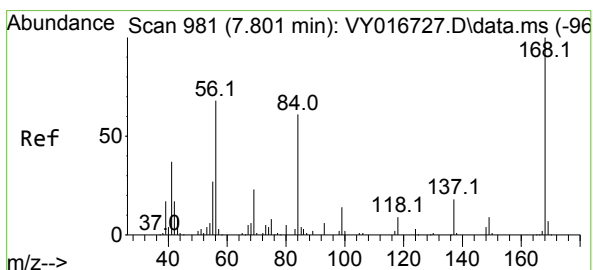
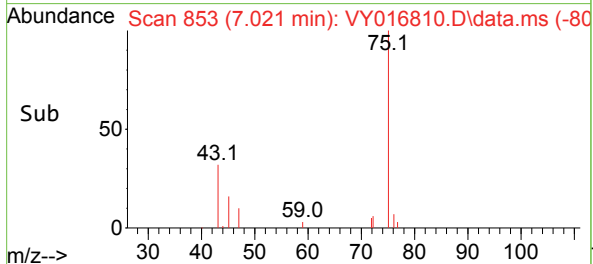
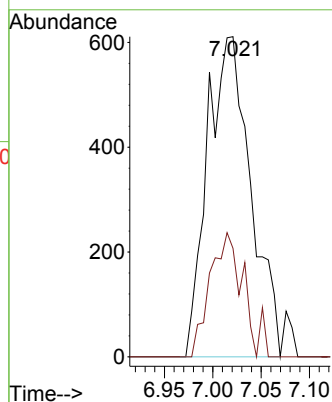
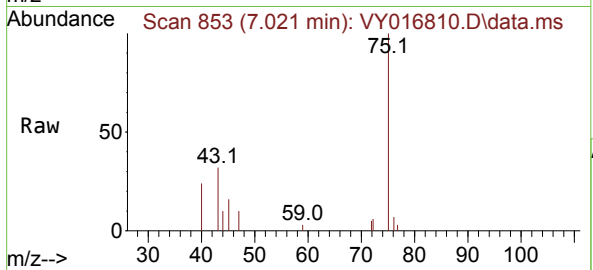
ClientSampleId :

Tgt Ion: 43 Resp: 1902

Ion Ratio Lower Upper

43 100

72 33.9 21.4 32.2#



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

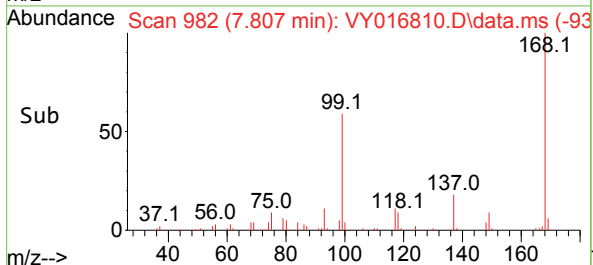
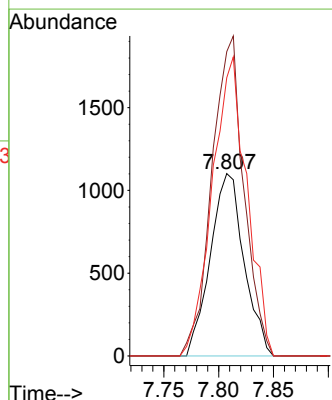
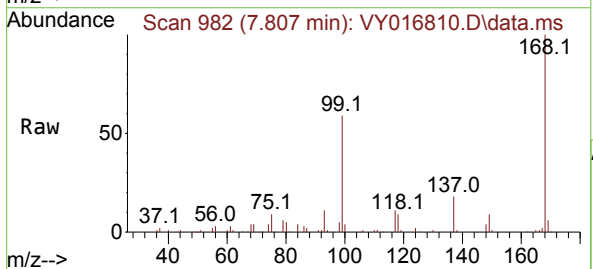
Tgt Ion: 56 Resp: 2363

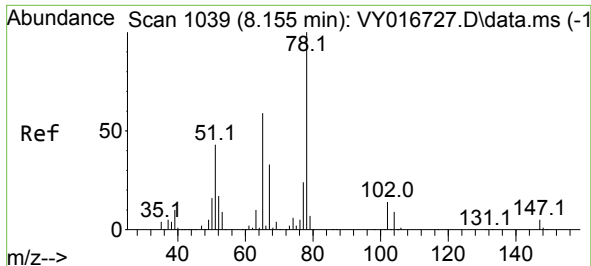
Ion Ratio Lower Upper

56 100

69 166.8 27.0 40.6#

84 152.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 70.967 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

Instrument :

MSVOA_Y

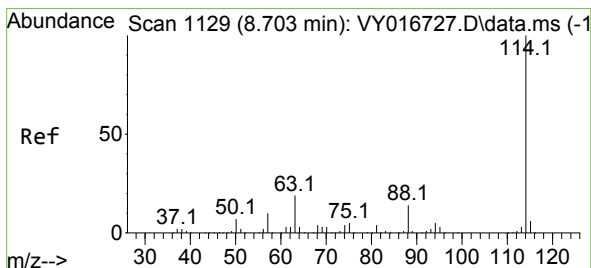
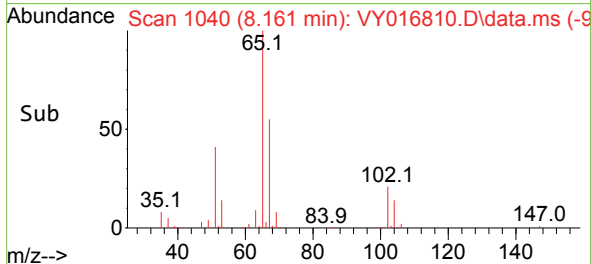
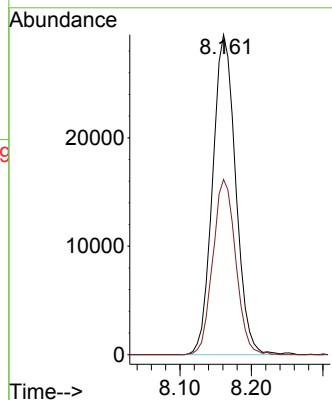
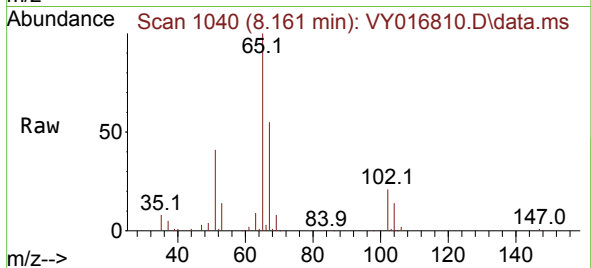
ClientSampleId :

Tgt Ion: 65 Resp: 66054

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

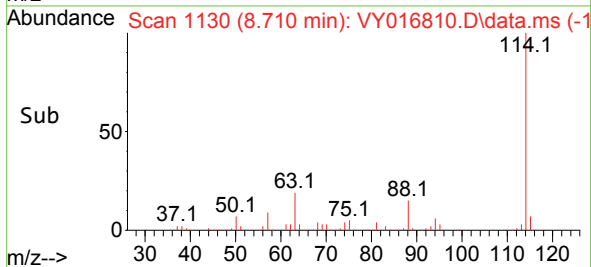
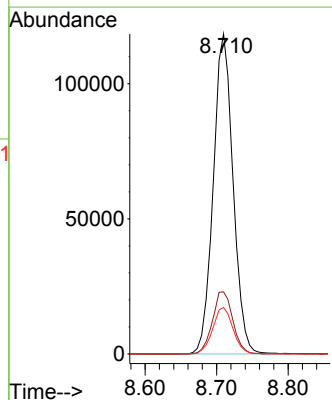
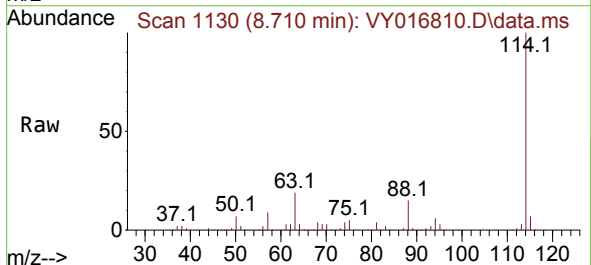
Tgt Ion: 114 Resp: 227327

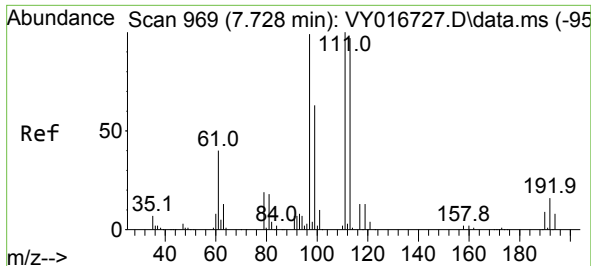
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

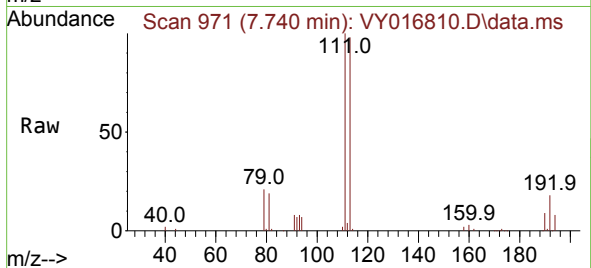
88 14.6 0.0 29.0



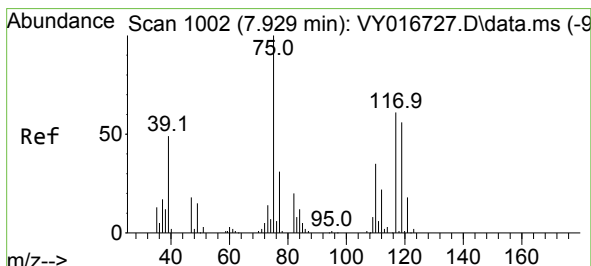
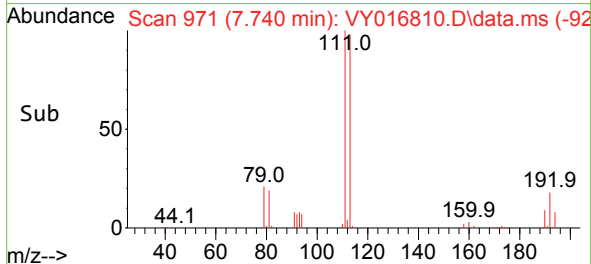
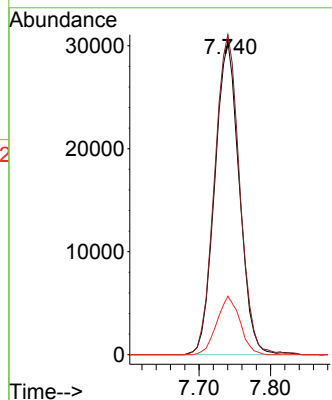


#35
Dibromofluoromethane
Concen: 55.365 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :

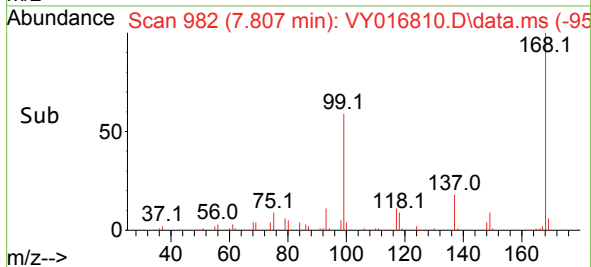
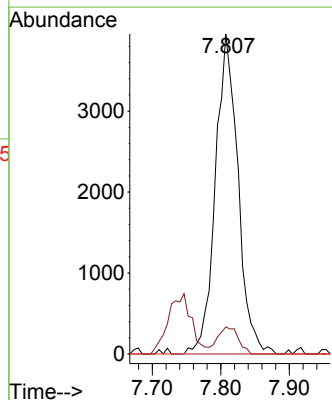
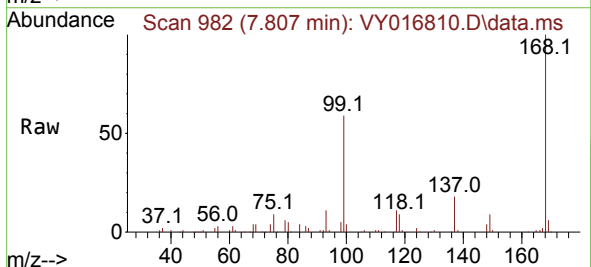


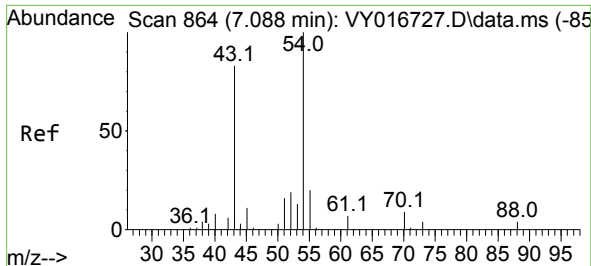
Tgt Ion:113 Resp: 72095
Ion Ratio Lower Upper
113 100
111 104.7 83.8 125.6
192 17.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.331 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

Tgt Ion: 75 Resp: 9041
Ion Ratio Lower Upper
75 100
110 7.6 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.126 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.067 min

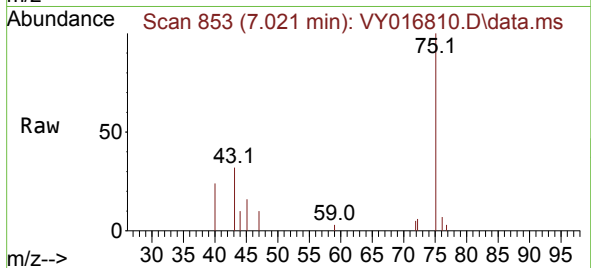
Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

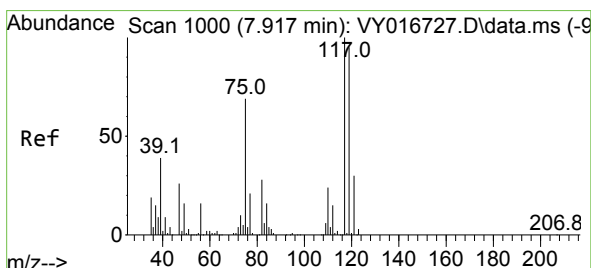
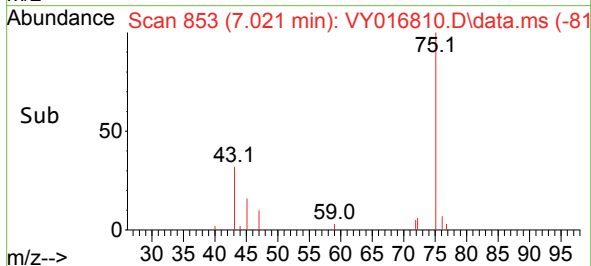
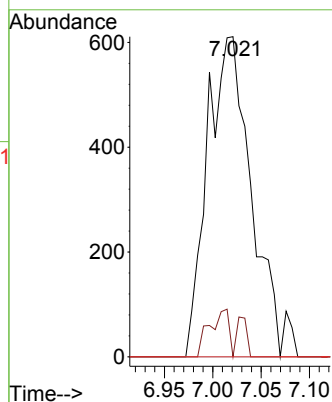
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 1902
Ion Ratio	Lower Upper
43	100
61	2.9 11.0 16.6#
70	0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.036 ug/l

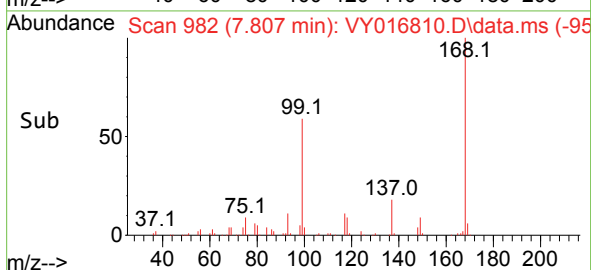
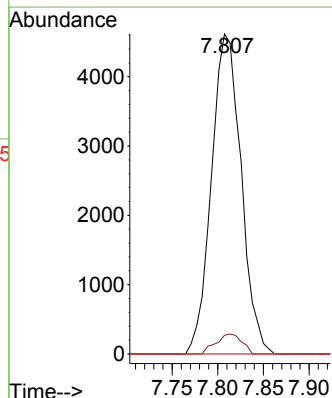
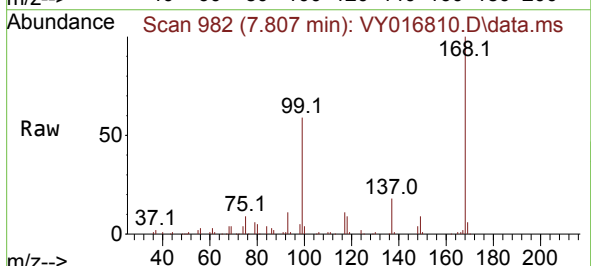
RT: 7.807 min Scan# 982

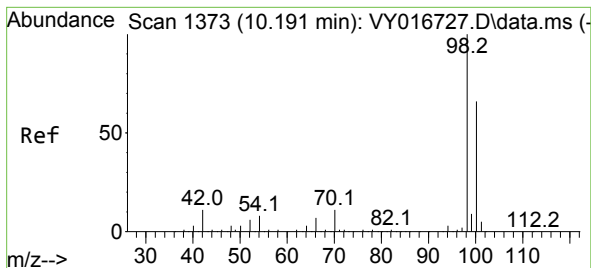
Delta R.T. -0.109 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

Tgt Ion: 117	Resp: 10404
Ion Ratio	Lower Upper
117	100
119	5.8 76.0 114.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 57.596 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

Instrument :

MSVOA_Y

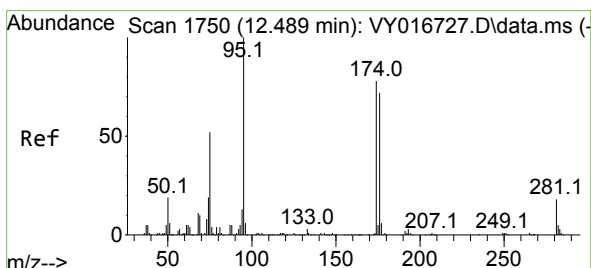
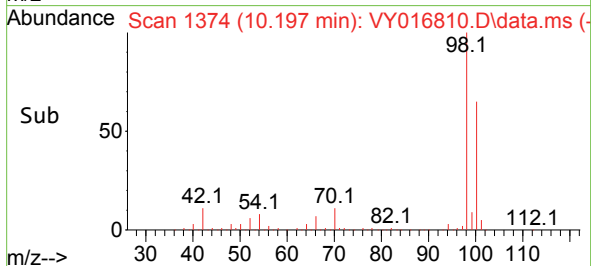
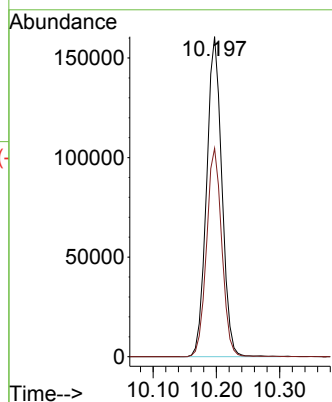
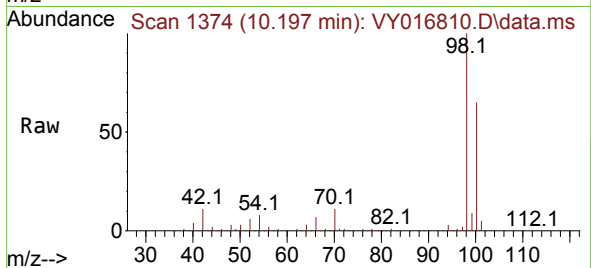
ClientSampleId :

Tgt Ion: 98 Resp: 270368

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 55.098 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016810.D

Acq: 22 Dec 2023 16:00

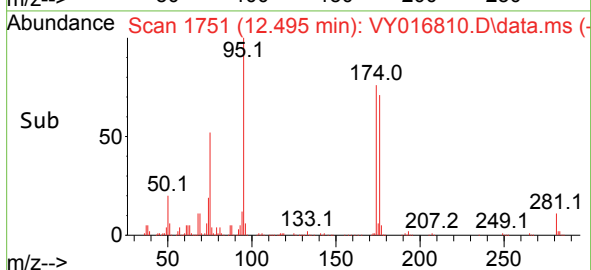
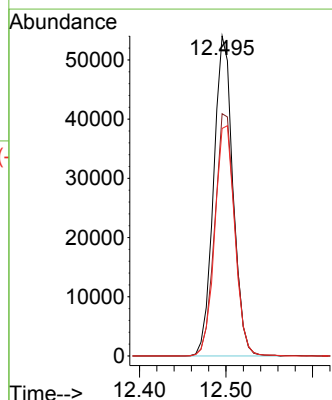
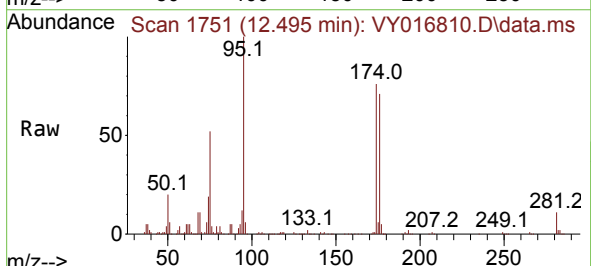
Tgt Ion: 95 Resp: 83911

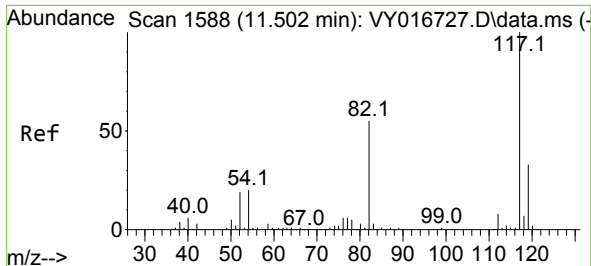
Ion Ratio Lower Upper

95 100

174 78.0 0.0 160.0

176 74.6 0.0 151.8

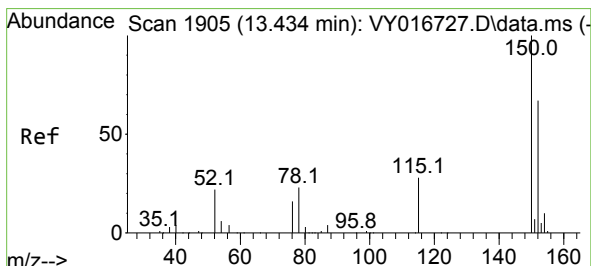
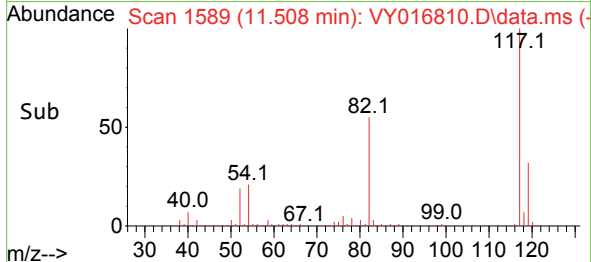
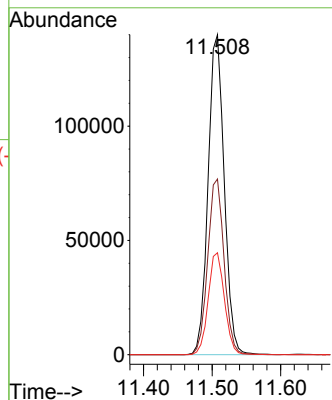
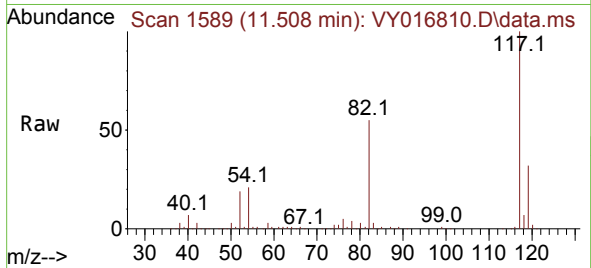




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

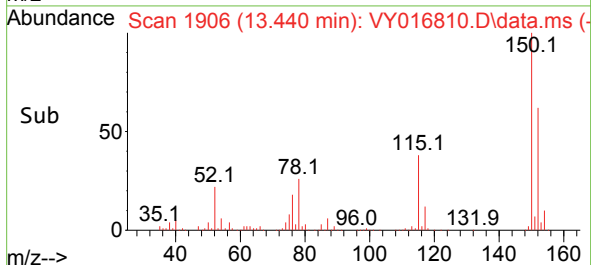
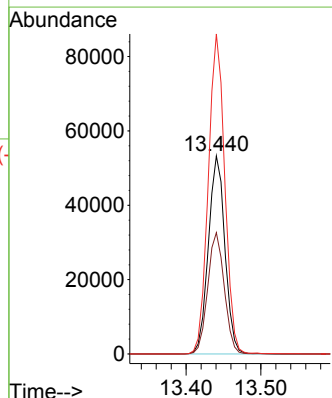
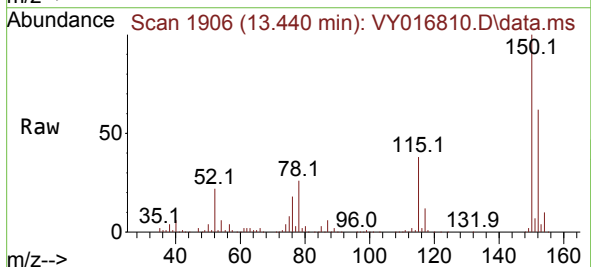
Instrument :
MSVOA_Y
ClientSampleId :

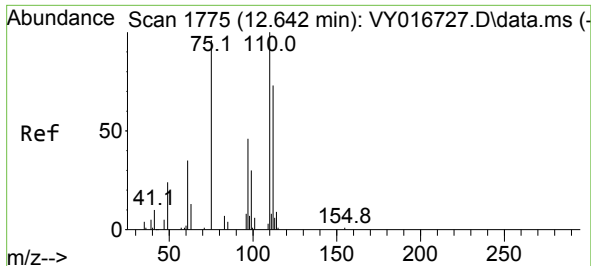
Tgt Ion:117 Resp: 229708
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

Tgt Ion:152 Resp: 82002
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 160.7 0.0 344.6

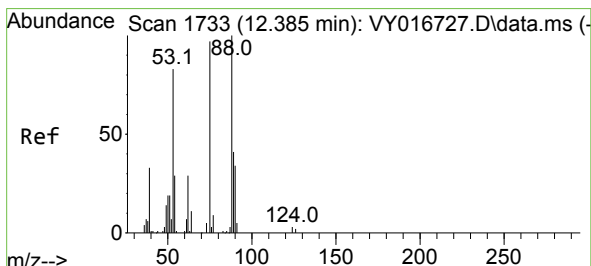
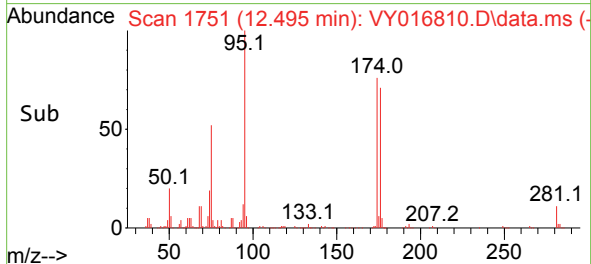
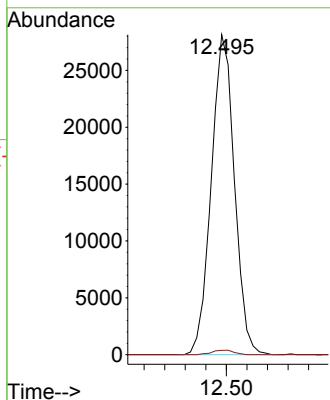
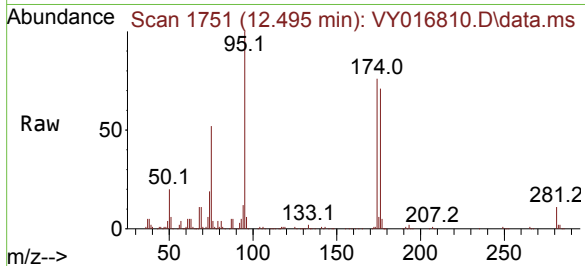




#76
1,2,3-Trichloropropane
Concen: 48.445 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

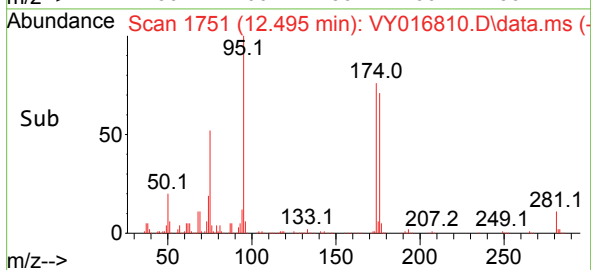
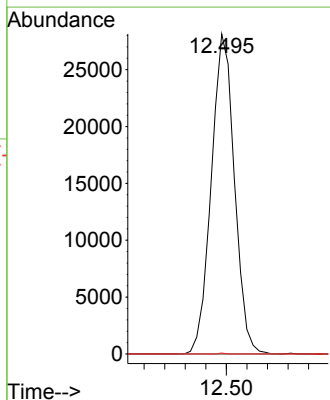
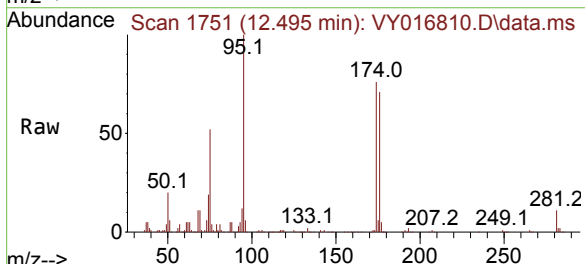
Instrument :
MSVOA_Y
ClientSampleId :

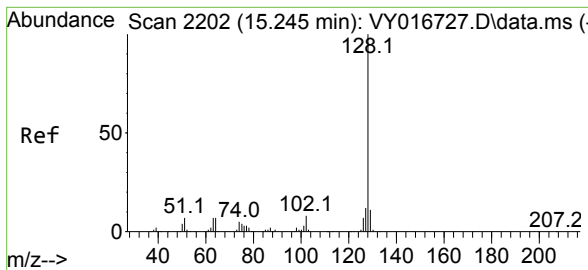
Tgt Ion: 75 Resp: 43915
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.771 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016810.D
Acq: 22 Dec 2023 16:00

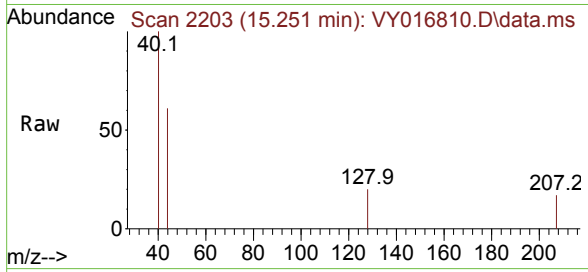
Tgt Ion: 75 Resp: 43915
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 3.627 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016810.D
 Acq: 22 Dec 2023 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	93
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

