

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016427.D
 Acq On : 20 Nov 2023 16:36
 Operator : SY/MD
 Sample : 05463-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 05:15:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	99823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	177319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	170641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	74652	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	59682	65.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.840%
35) Dibromofluoromethane	7.734	113	56491	56.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.160%
50) Toluene-d8	10.191	98	204651	50.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.495	95	69510	52.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.780%

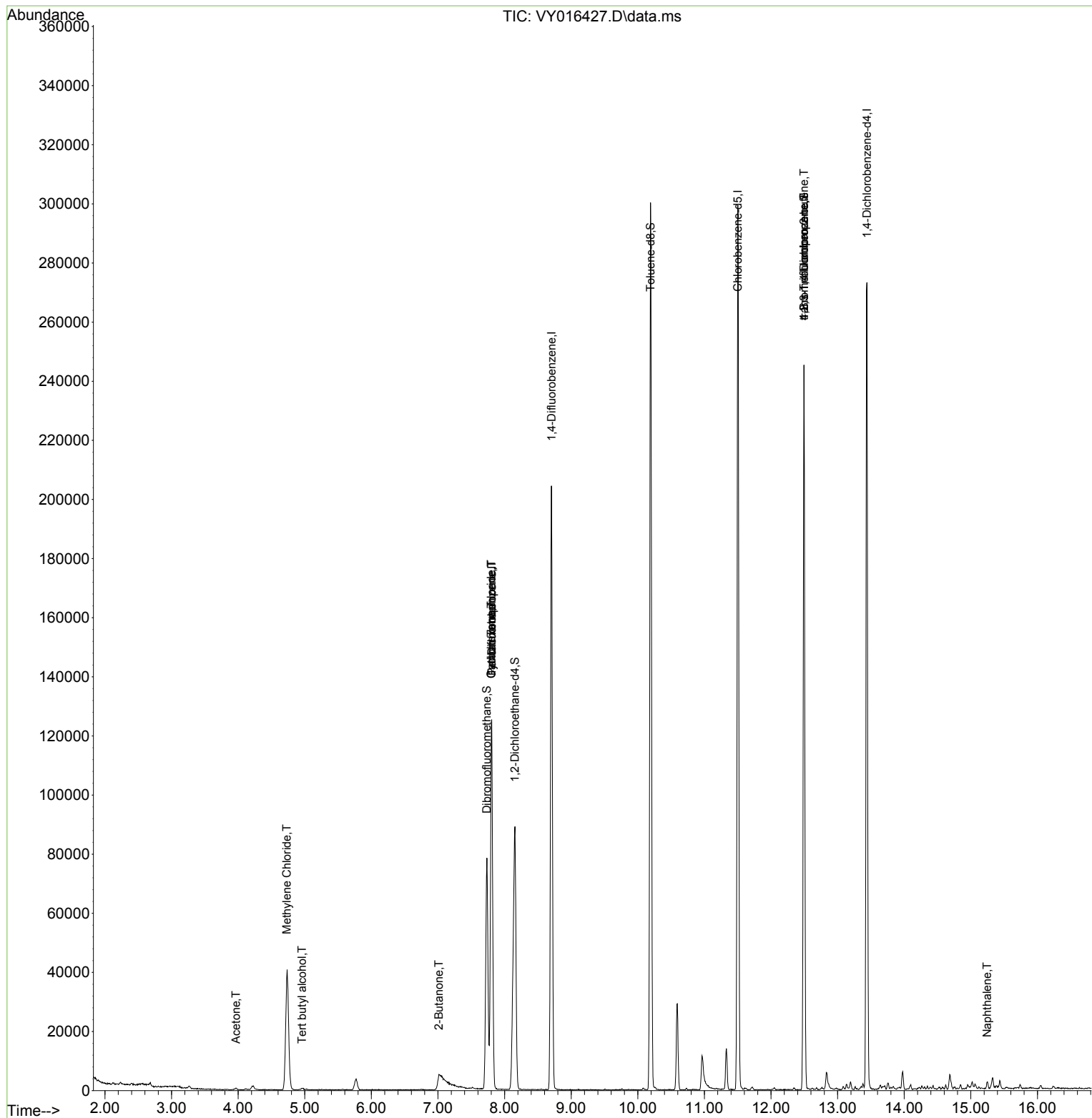
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	585	8.188	ug/l #	89
16) Acetone	3.966	43	779	5.162	ug/l #	88
20) Methylene Chloride	4.728	84	32772	29.299	ug/l #	83
25) 2-Butanone	7.015	43	316	1.195	ug/l #	49
31) Cyclohexane	7.801	56	1806	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	7696	4.400	ug/l #	50
38) Carbon Tetrachloride	7.801	117	9883	5.444	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	36049	50.339	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	36049	109.264	ug/l #	11
95) Naphthalene	15.245	128	2508	1.067	ug/l #	96

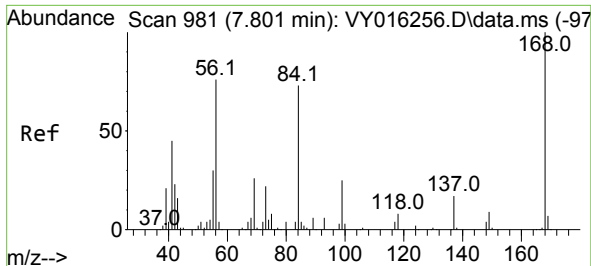
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
Data File : VY016427.D
Acq On : 20 Nov 2023 16:36
Operator : SY/MD
Sample : 05463-01RE
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

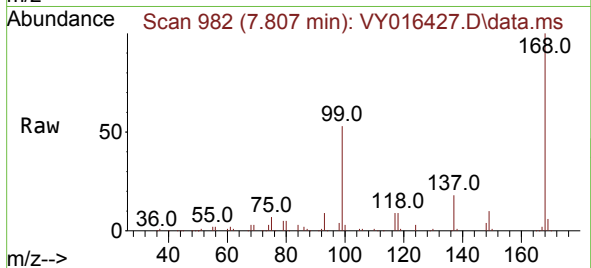
Quant Time: Nov 21 05:15:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration



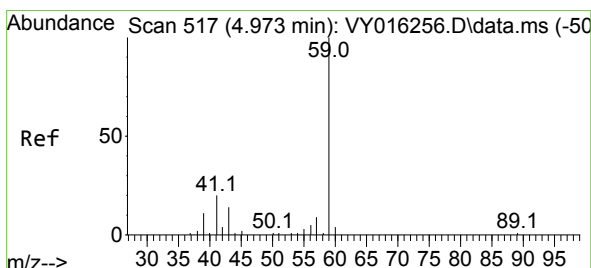
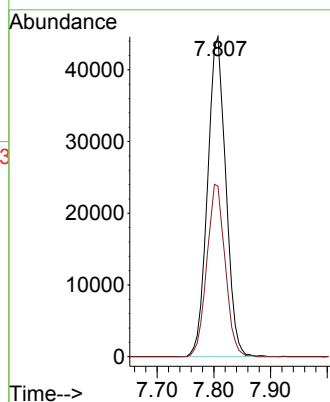
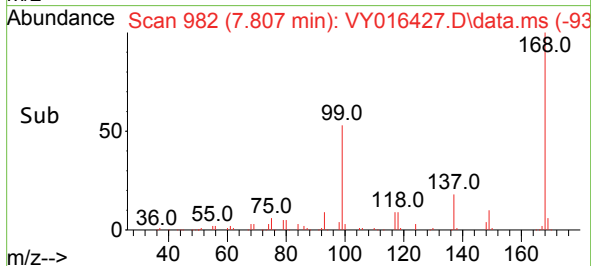


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

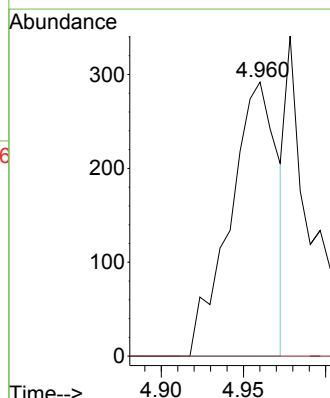
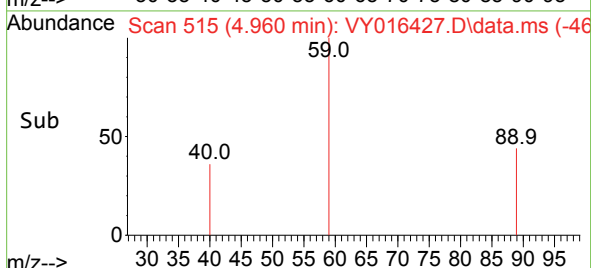
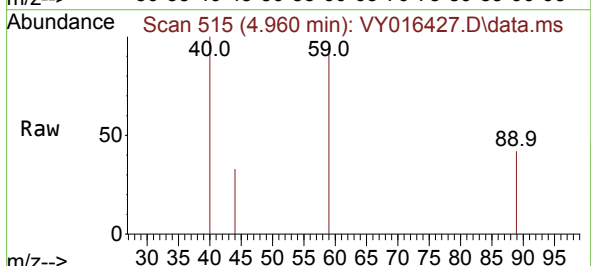


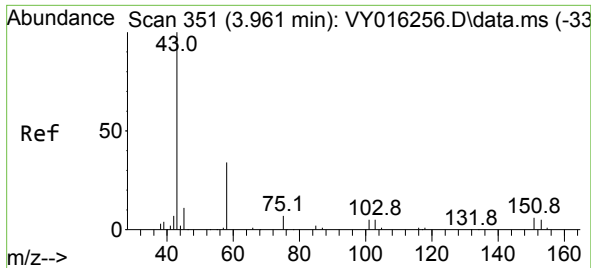
Tgt Ion:168 Resp: 99823
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 8.188 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

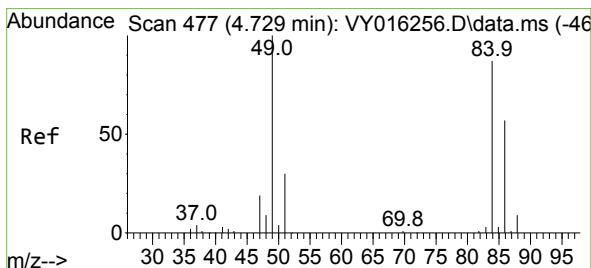
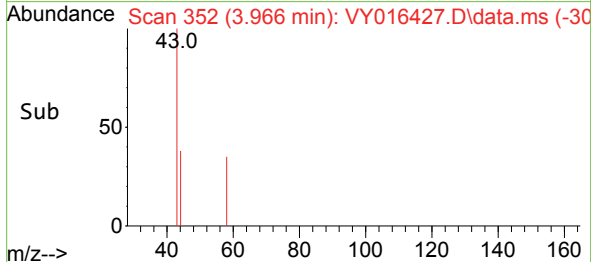
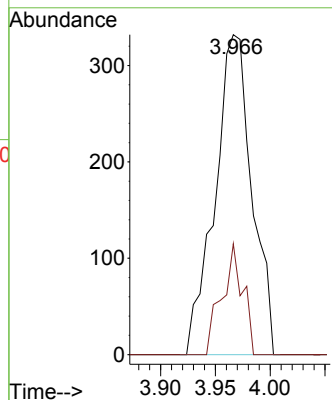
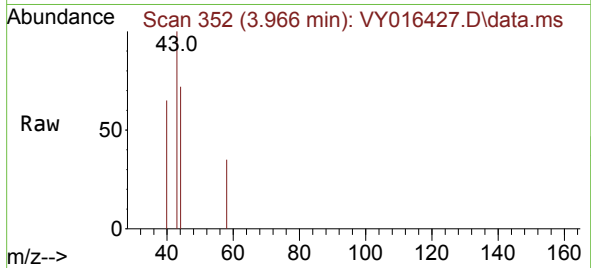




#16
Acetone
Concen: 5.162 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

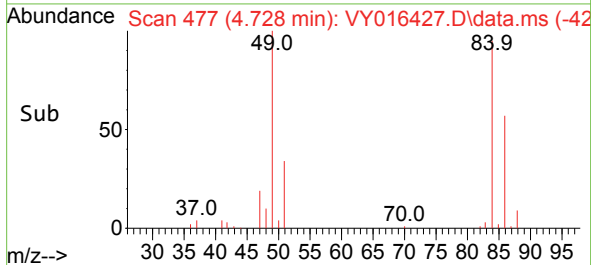
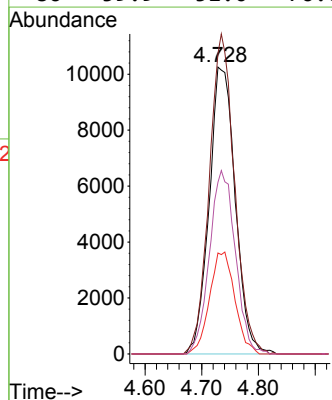
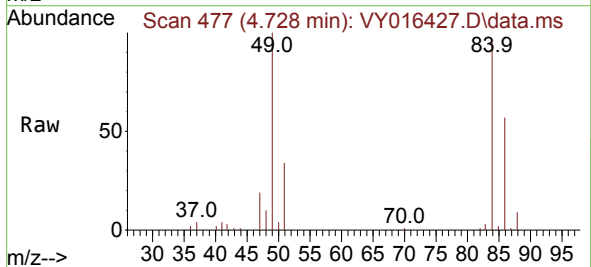
Instrument :
MSVOA_Y
ClientSampleId :

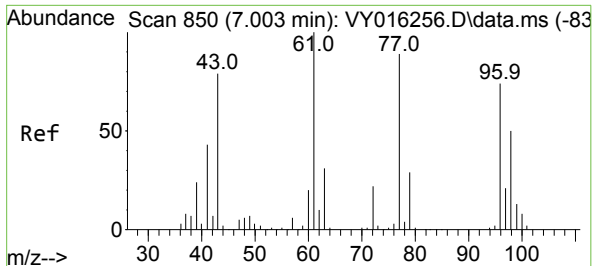
Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#



#20
Methylene Chloride
Concen: 29.299 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Tgt Ion: 84 Resp: 32772
Ion Ratio Lower Upper
84 100
49 104.7 106.9 160.3#
51 35.2 33.2 49.8
86 59.9 51.0 76.6





#25

2-Butanone

Concen: 1.195 ug/l

RT: 7.015 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

Instrument :

MSVOA_Y

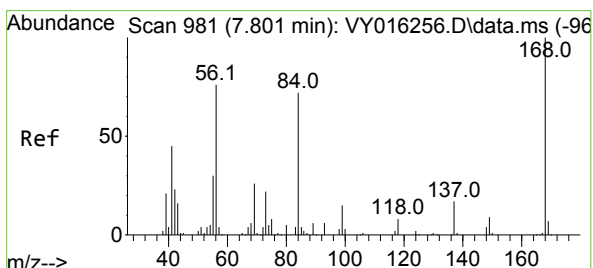
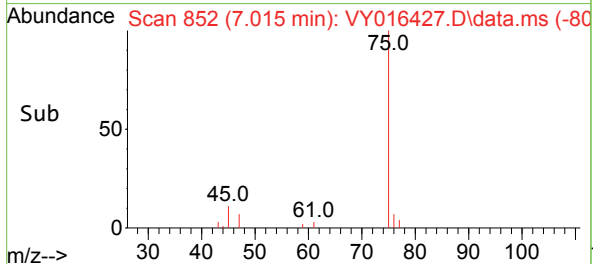
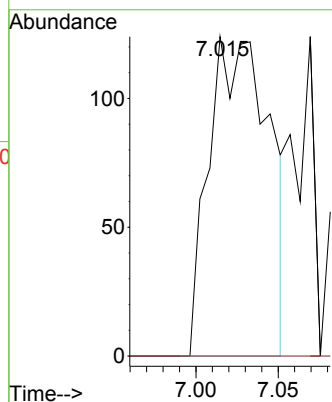
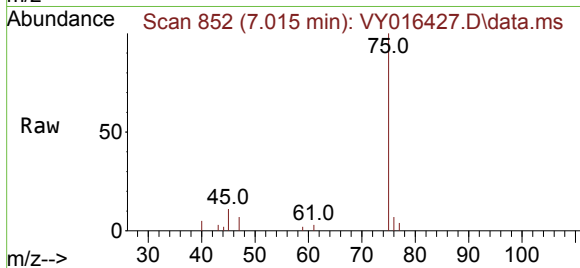
ClientSampleId :

Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

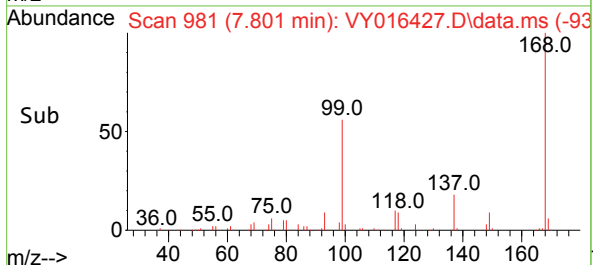
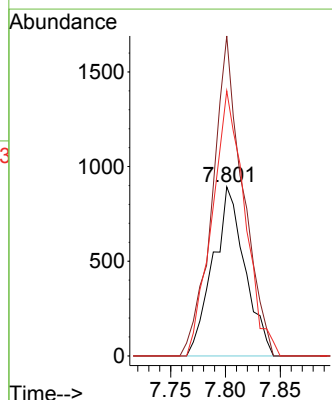
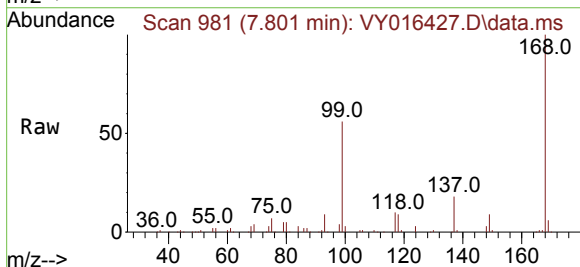
Tgt Ion: 56 Resp: 1806

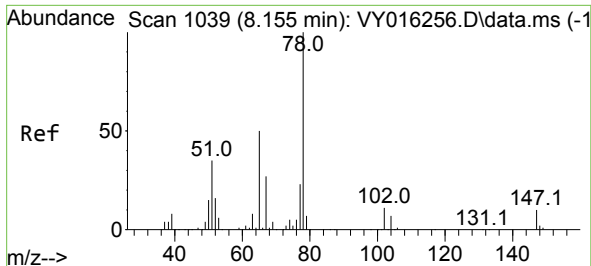
Ion Ratio Lower Upper

56 100

69 189.2 27.8 41.6#

84 156.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 65.416 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

Instrument :

MSVOA_Y

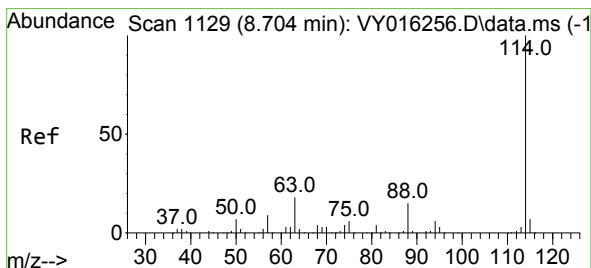
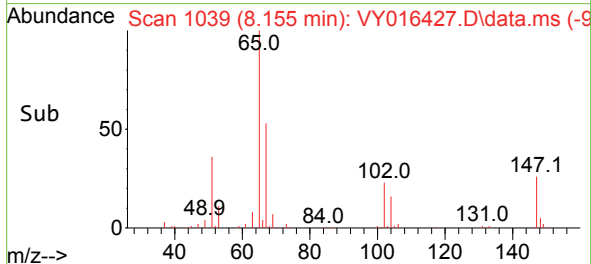
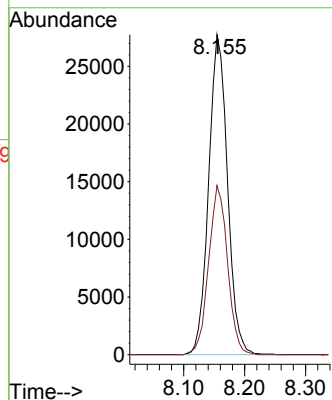
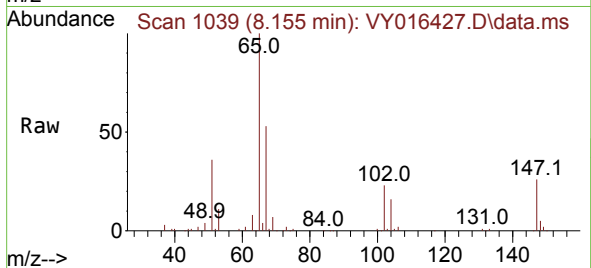
ClientSampleId :

Tgt Ion: 65 Resp: 59682

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

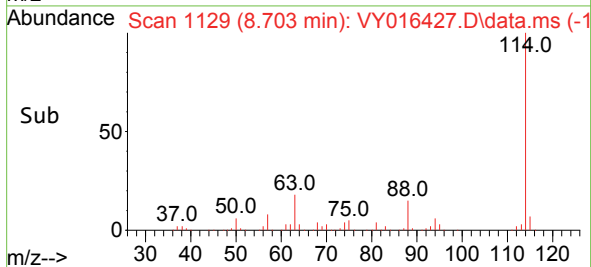
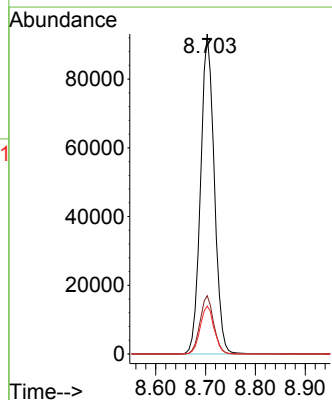
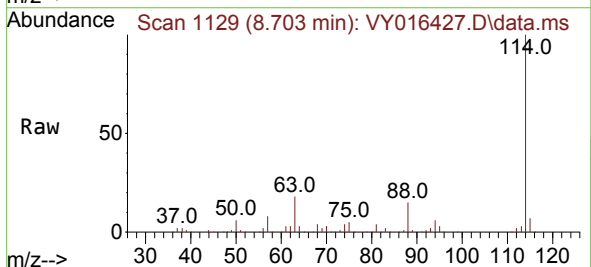
Tgt Ion: 114 Resp: 177319

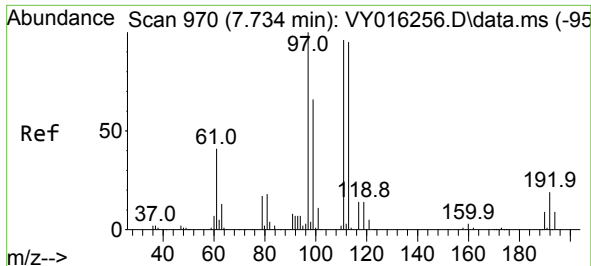
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

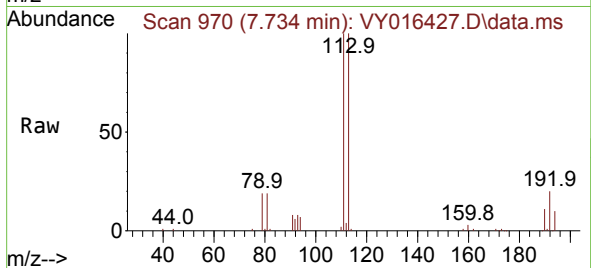
88 15.0 0.0 30.6



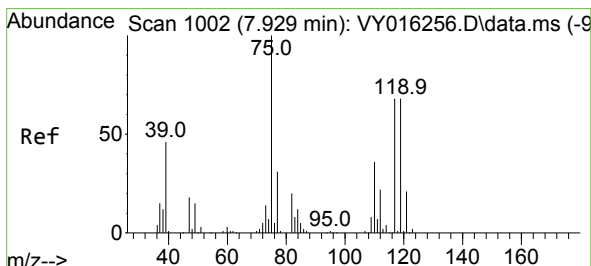
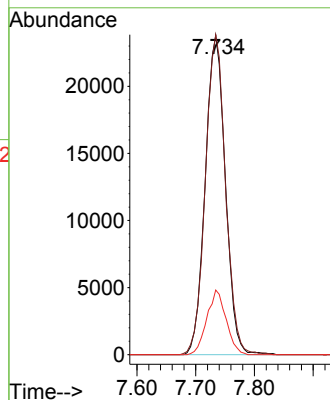
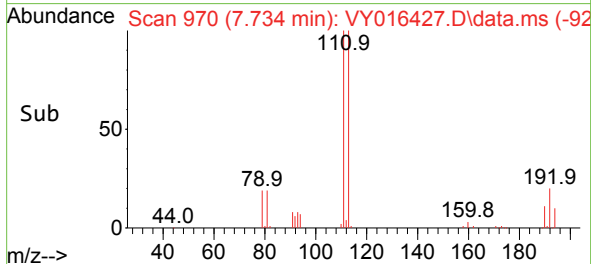


#35
Dibromofluoromethane
Concen: 56.082 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

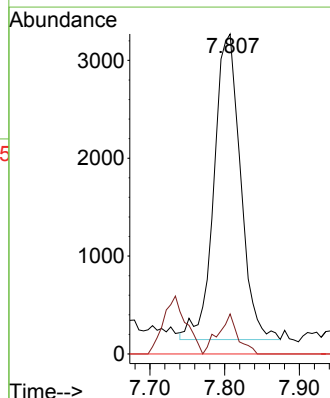
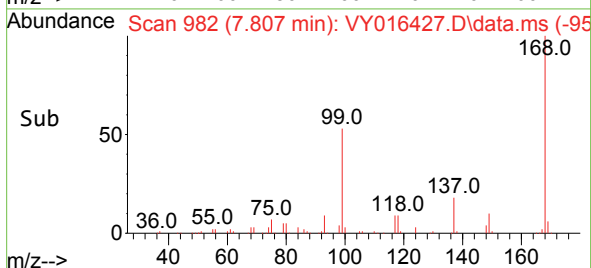
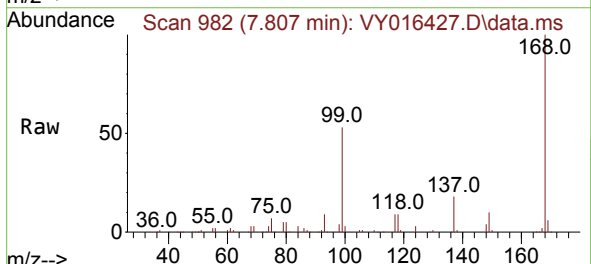


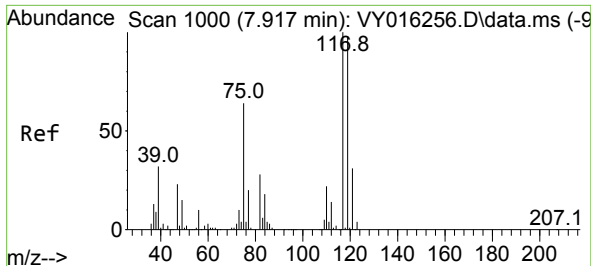
Tgt Ion:113 Resp: 56491
Ion Ratio Lower Upper
113 100
111 100.8 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

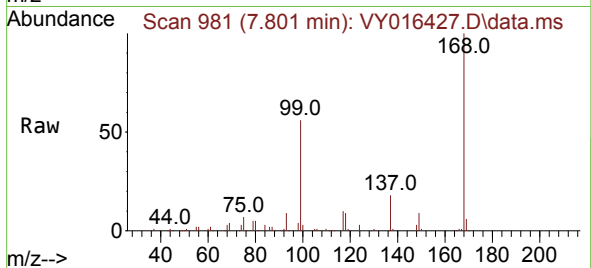
Tgt Ion: 75 Resp: 7696
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



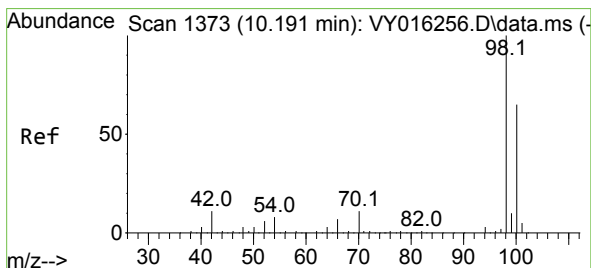
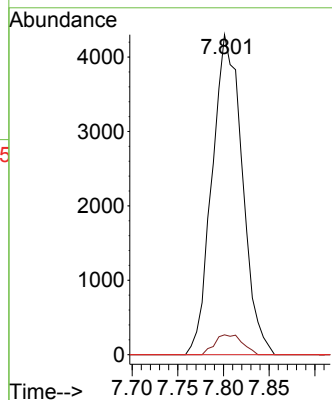
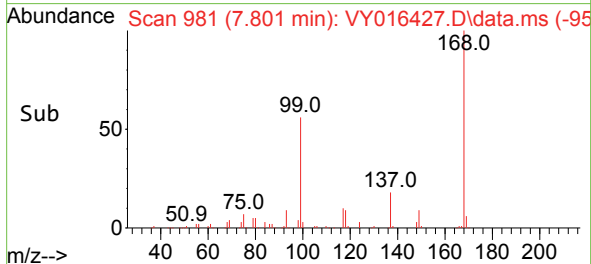


#38
Carbon Tetrachloride
Concen: 5.444 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

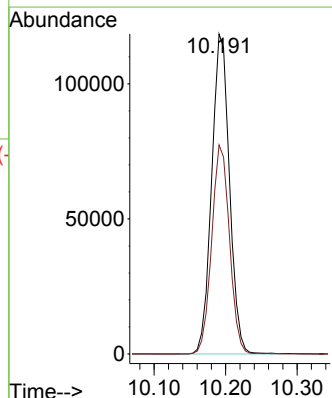
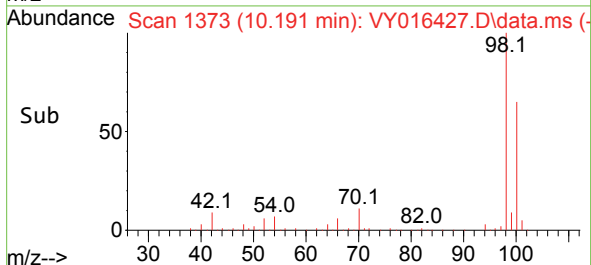
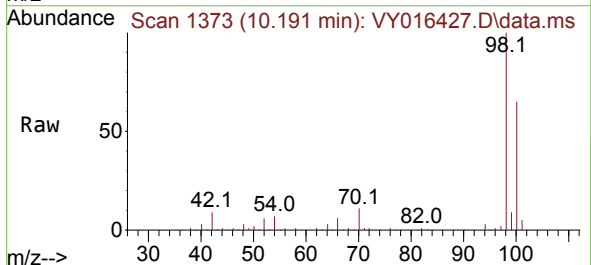


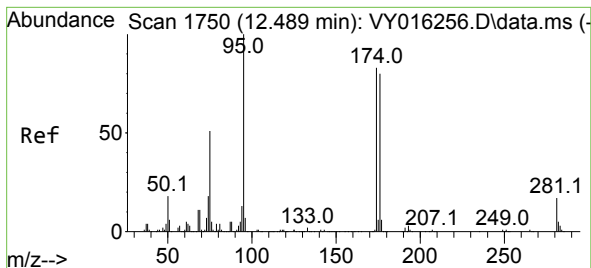
Tgt Ion:117 Resp: 9883
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

Tgt Ion: 98 Resp: 204651
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 52.395 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

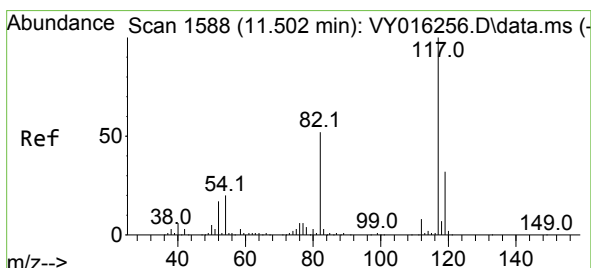
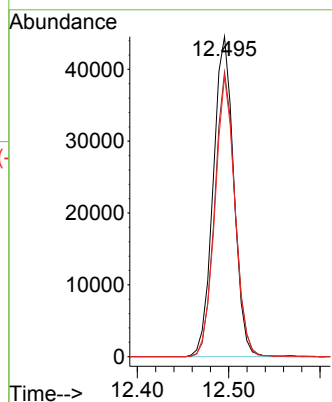
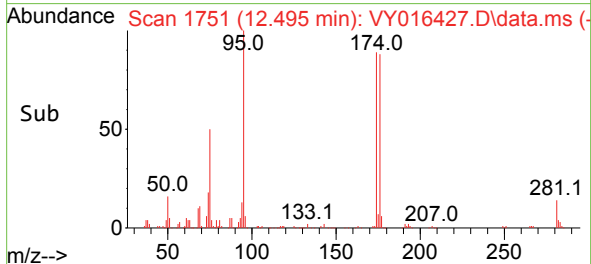
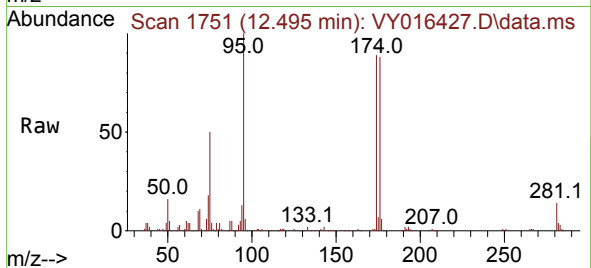
Tgt Ion: 95 Resp: 69510

Ion Ratio Lower Upper

95 100

174 87.5 0.0 178.2

176 85.1 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. -0.000 min

Lab File: VY016427.D

Acq: 20 Nov 2023 16:36

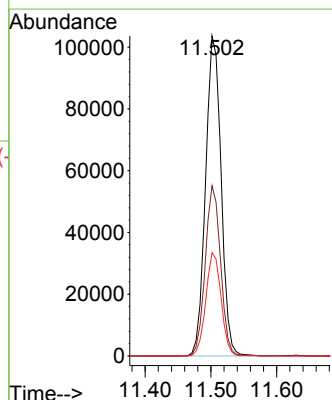
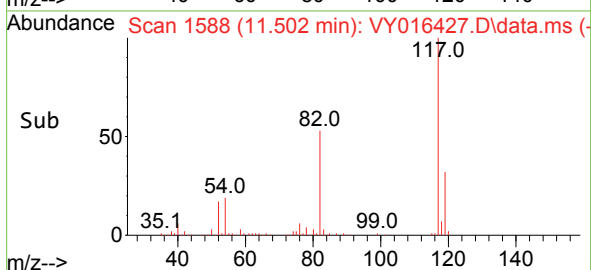
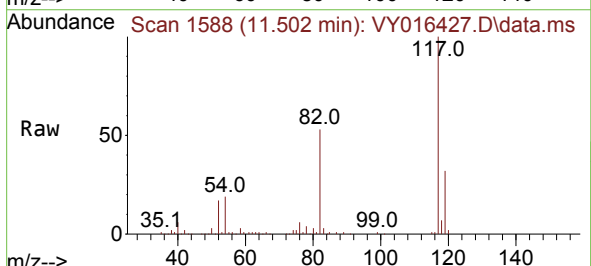
Tgt Ion: 117 Resp: 170641

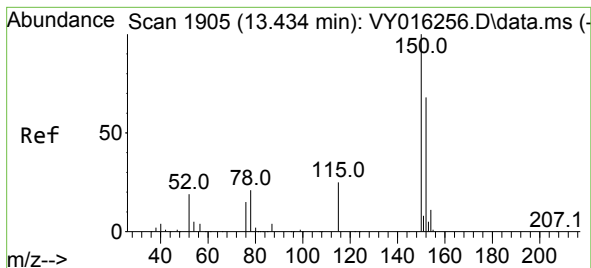
Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

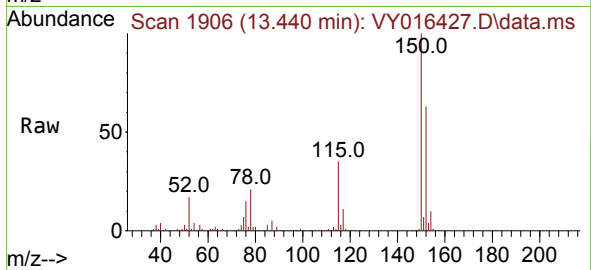
119 32.3 26.3 39.5



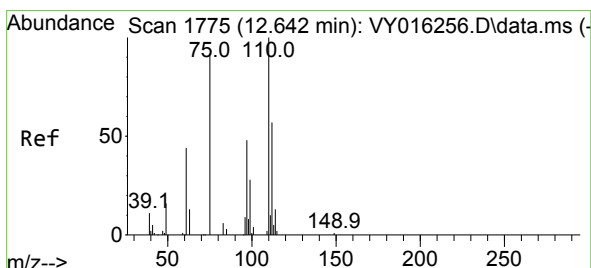
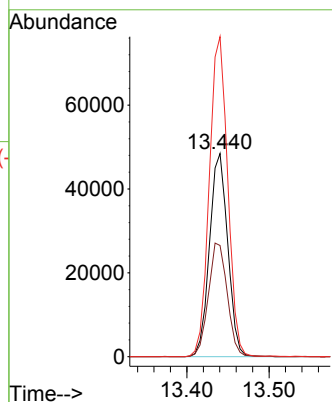
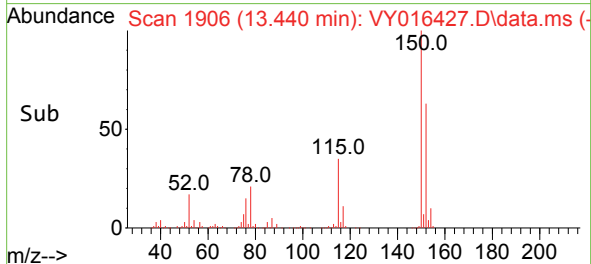


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY016427.D
 Acq: 20 Nov 2023 16:36

Instrument :
 MSVOA_Y
 ClientSampleId :

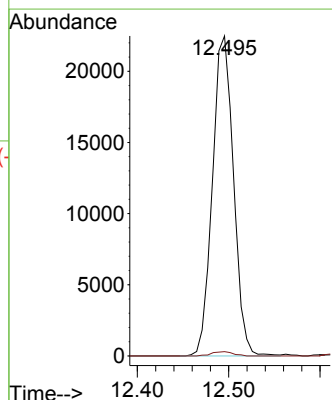
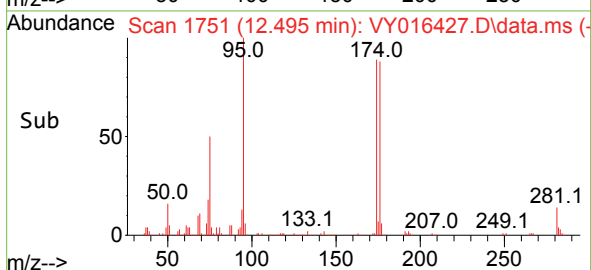
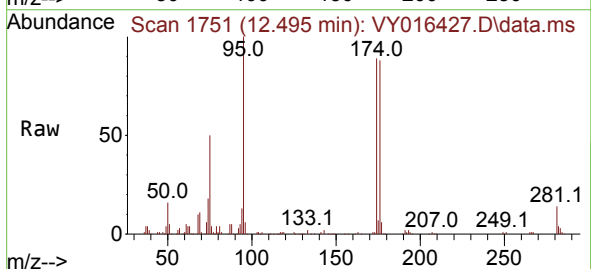


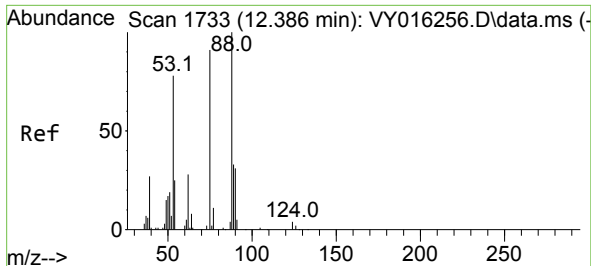
Tgt Ion:152 Resp: 74652
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 158.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 50.339 ug/l
 RT: 12.495 min Scan# 1751
 Delta R.T. -0.147 min
 Lab File: VY016427.D
 Acq: 20 Nov 2023 16:36

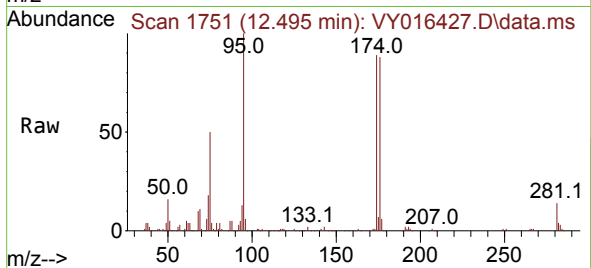
Tgt Ion: 75 Resp: 36049
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



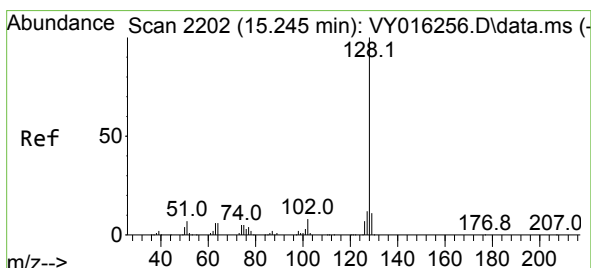
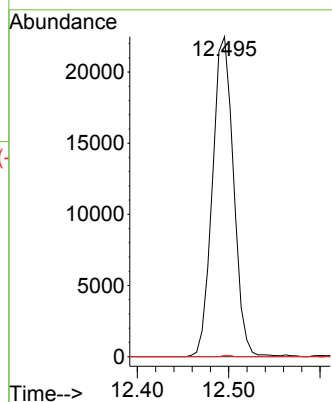
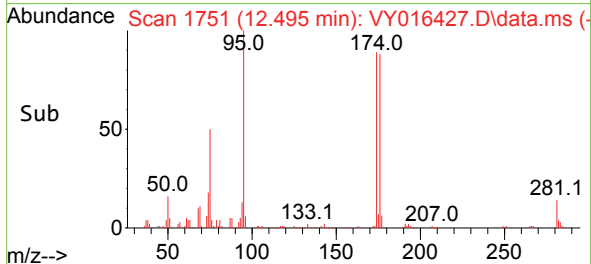


#81
trans-1,4-Dichloro-2-butene
Concen: 109.264 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.109 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36

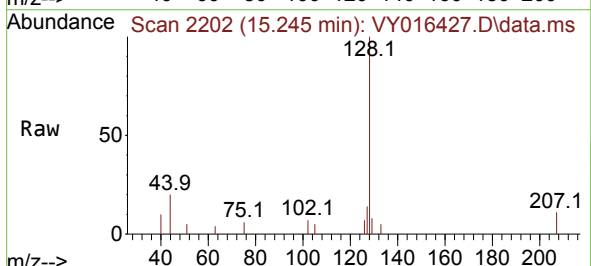
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 36049
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 1.067 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016427.D
Acq: 20 Nov 2023 16:36



Tgt Ion: 128 Resp: 2508
Ion Ratio Lower Upper
128 100
127 10.6 10.8 16.2#
129 10.9 8.6 13.0

