

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016852.D
 Acq On : 26 Dec 2023 14:55
 Operator : SY/MD
 Sample : 06016-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:34:44 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)

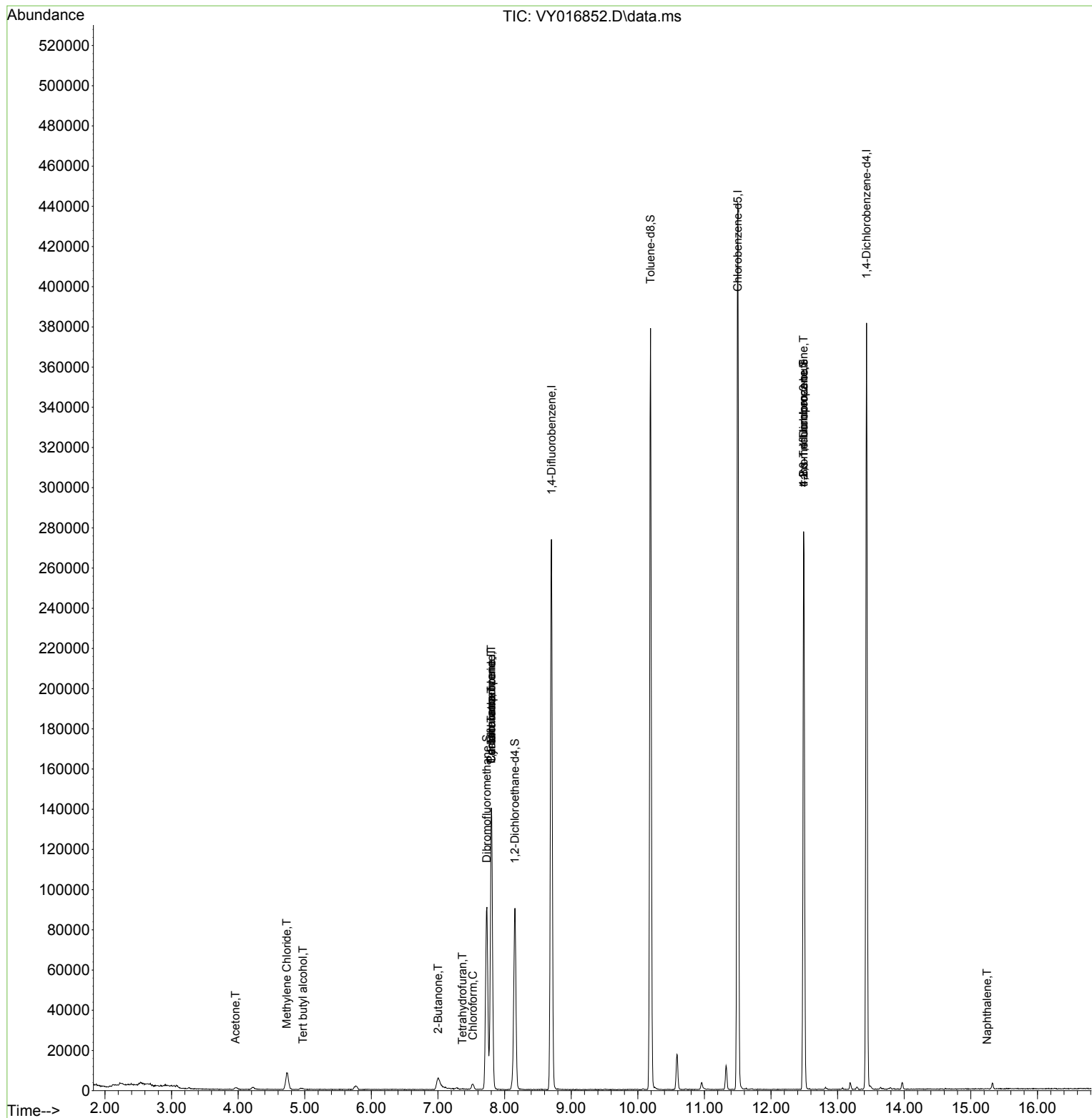
Internal Standards						
1) Pentafluorobenzene	7.801	168	106162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	231252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	234631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	92440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66590	68.710	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.420%	
35) Dibromofluoromethane	7.734	113	66788	50.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.840%	
50) Toluene-d8	10.191	98	241832	50.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	12.489	95	80622	52.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1097	13.805	ug/l #	75
16) Acetone	3.960	43	1741	6.643	ug/l #	83
20) Methylene Chloride	4.729	84	6209	1.818	ug/l	96
25) 2-Butanone	7.003	43	407	1.128	ug/l #	48
29) Tetrahydrofuran	7.368	42	219	1.110	ug/l #	32
30) Chloroform	7.527	83	2778	1.301	ug/l	97
31) Cyclohexane	7.801	56	2432	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9750	4.591	ug/l #	48
38) Carbon Tetrachloride	7.801	117	10898	5.186	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	43171	42.247	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	43171	99.214	ug/l #	13
95) Naphthalene	15.245	128	103	3.626	ug/l #	69

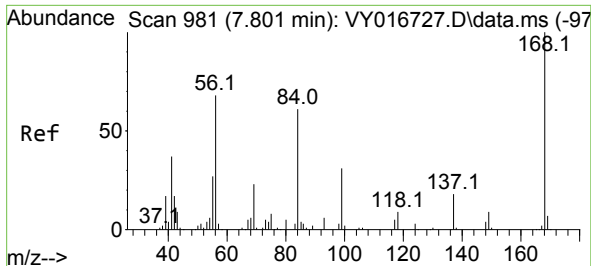
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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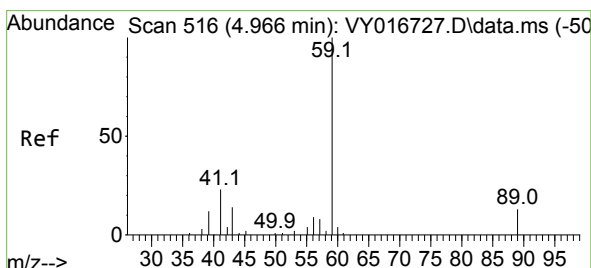
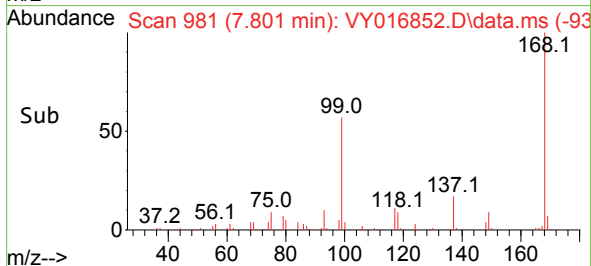
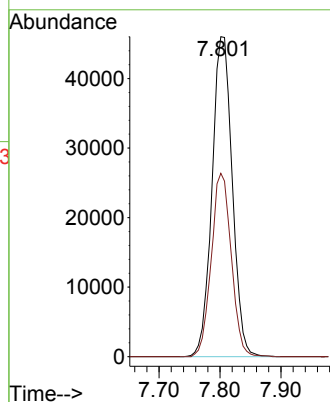
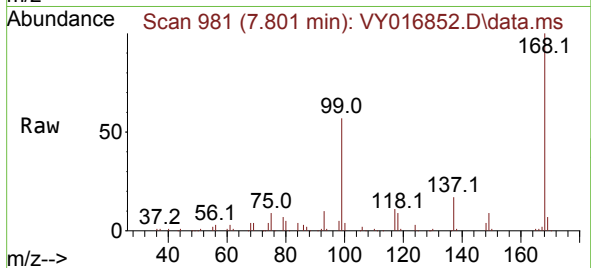




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

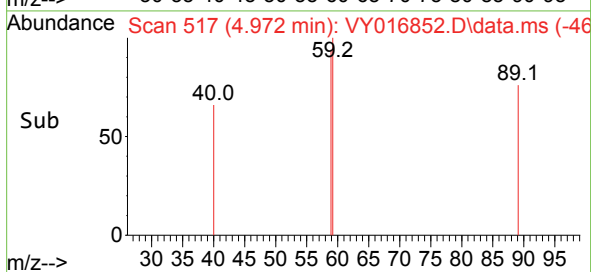
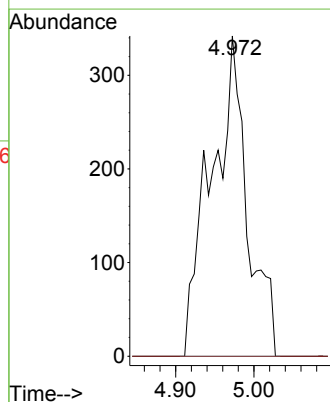
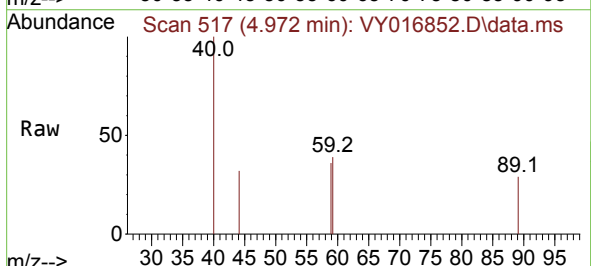
Instrument :
MSVOA_Y
ClientSampleId :

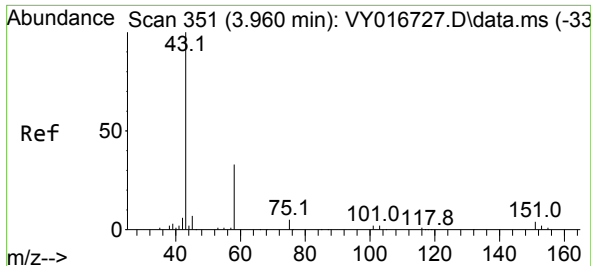
Tgt Ion:168 Resp: 106162
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 13.805 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion: 59 Resp: 1097
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

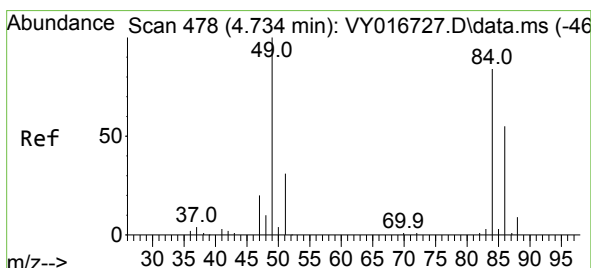
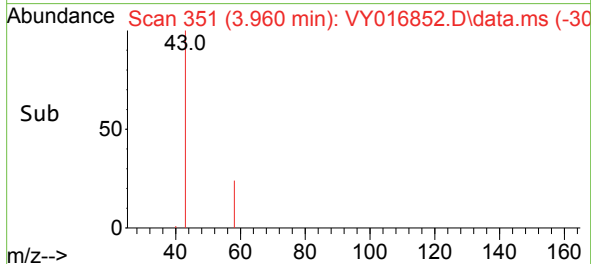
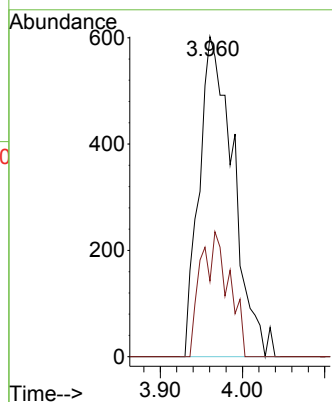
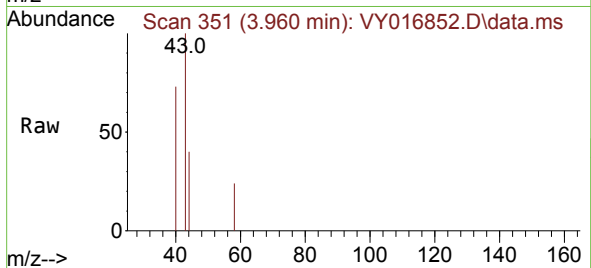




#16
Acetone
Concen: 6.643 ug/l
RT: 3.960 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

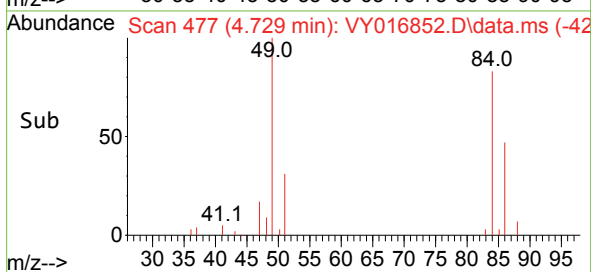
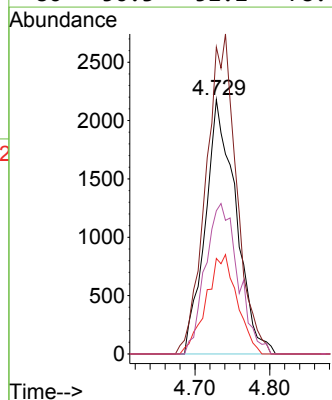
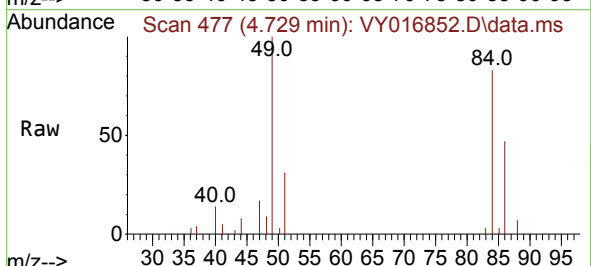
Instrument :
MSVOA_Y
ClientSampleId :

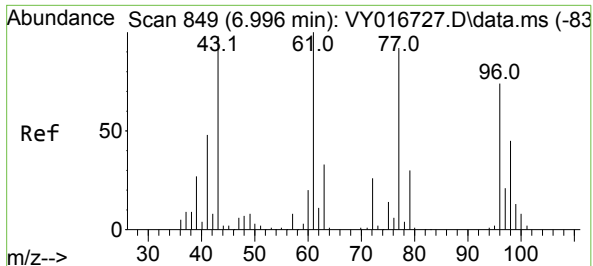
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 23.6 26.6 39.8#



#20
Methylene Chloride
Concen: 1.818 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.005 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion: 84 Resp: 6209
Ion Ratio Lower Upper
84 100
49 120.7 95.2 142.8
51 37.6 29.9 44.9
86 56.3 52.2 78.4





#25

2-Butanone

Concen: 1.128 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.007 min

Lab File: VY016852.D

Acq: 26 Dec 2023 14:55

Instrument :

MSVOA_Y

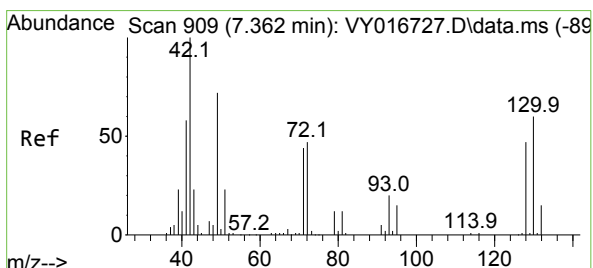
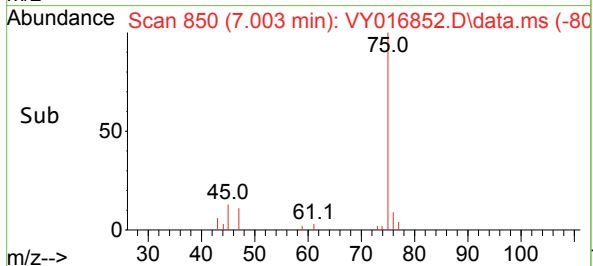
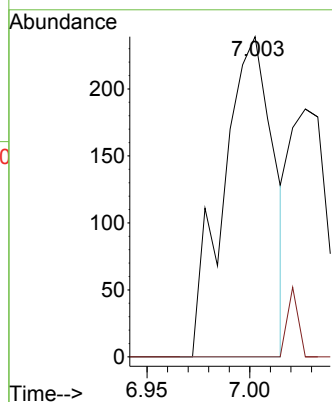
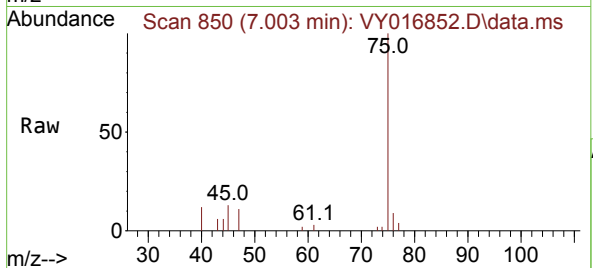
ClientSampleId :

Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 1.110 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY016852.D

Acq: 26 Dec 2023 14:55

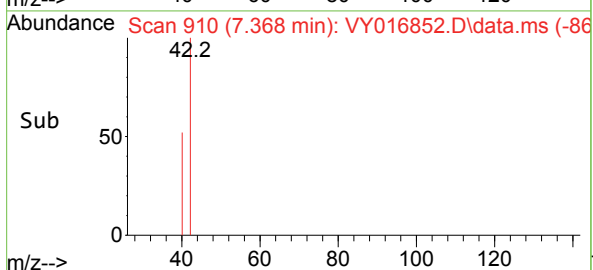
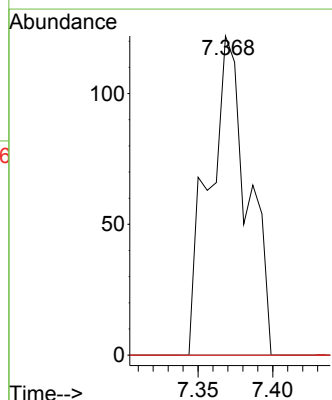
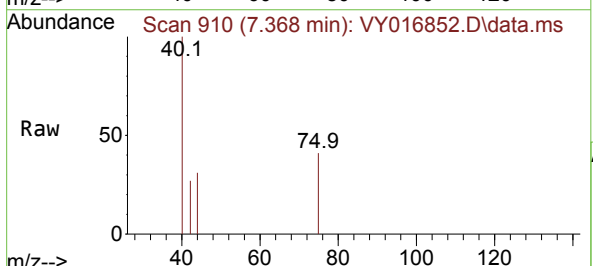
Tgt Ion: 42 Resp: 219

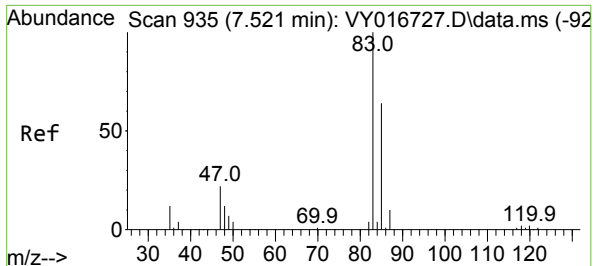
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.8 50.6#

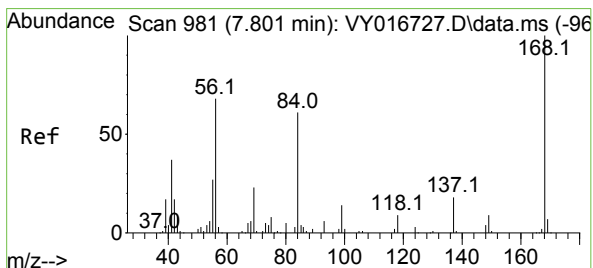
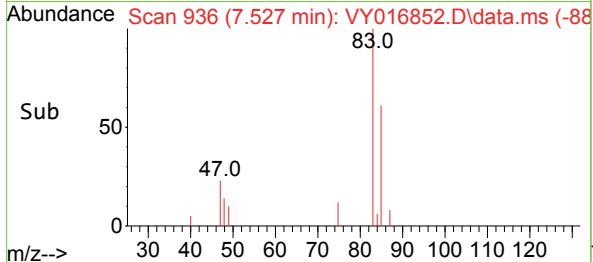
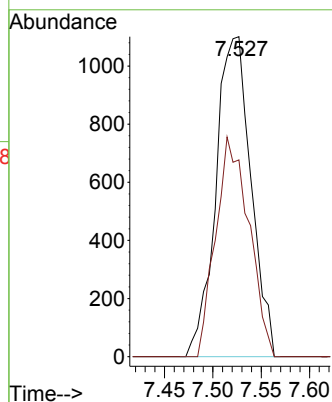
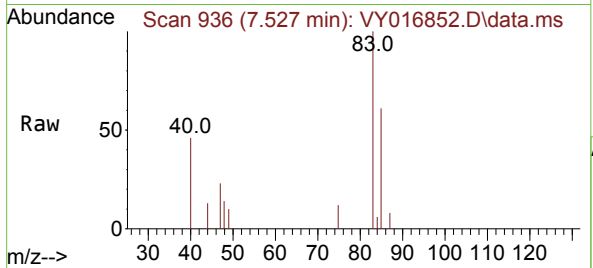




#30
Chloroform
Concen: 1.301 ug/l
RT: 7.527 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

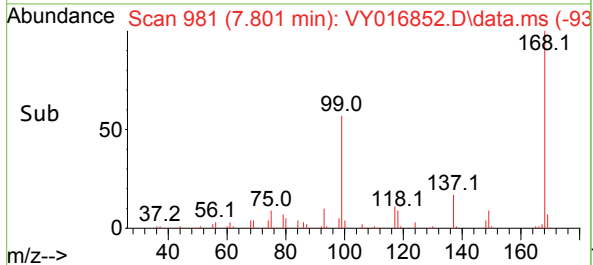
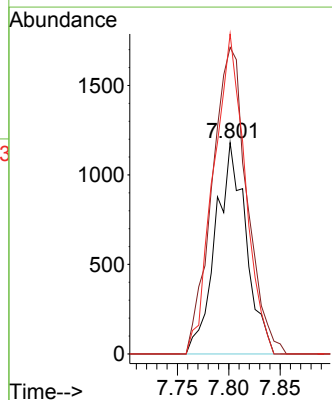
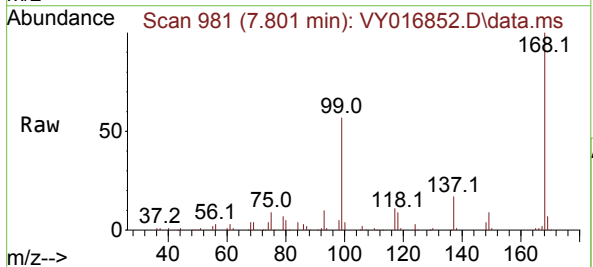
Instrument :
MSVOA_Y
ClientSampleId :

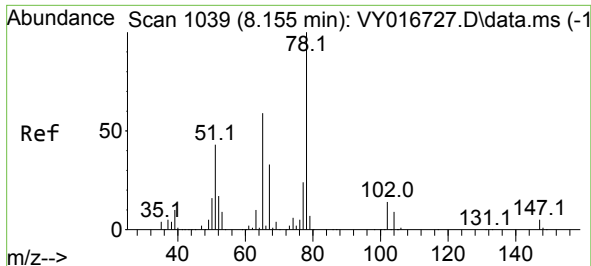
Tgt Ion: 83 Resp: 2778
Ion Ratio Lower Upper
83 100
85 61.5 51.2 76.8



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 145.0 27.0 40.6#
84 151.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 68.710 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY016852.D

Acq: 26 Dec 2023 14:55

Instrument :

MSVOA_Y

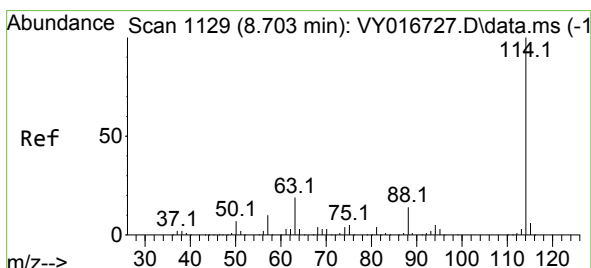
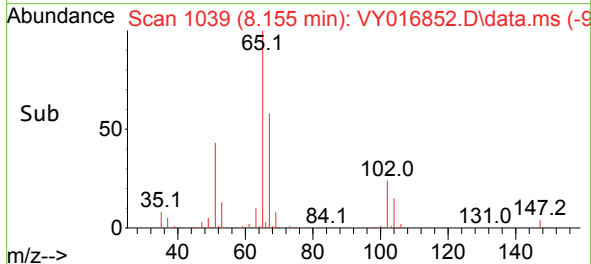
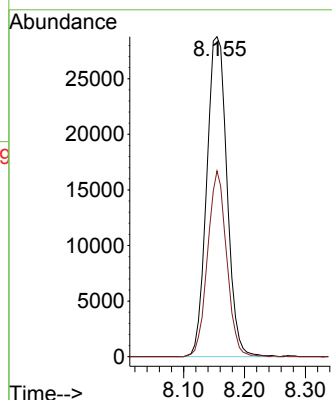
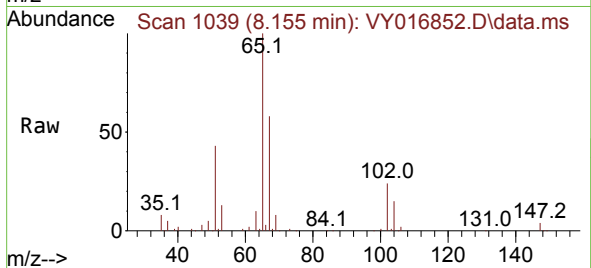
ClientSampleId :

Tgt Ion: 65 Resp: 66590

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016852.D

Acq: 26 Dec 2023 14:55

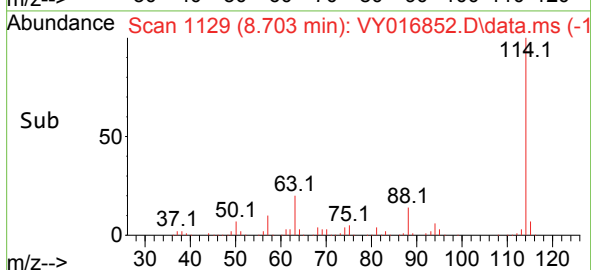
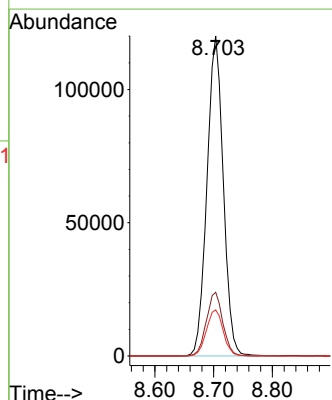
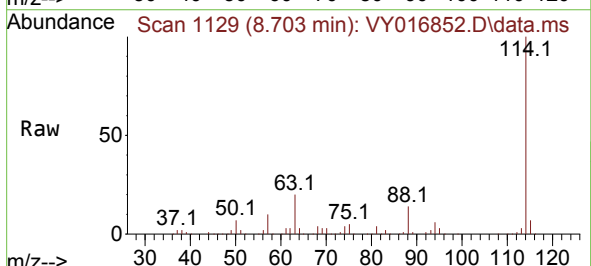
Tgt Ion: 114 Resp: 231252

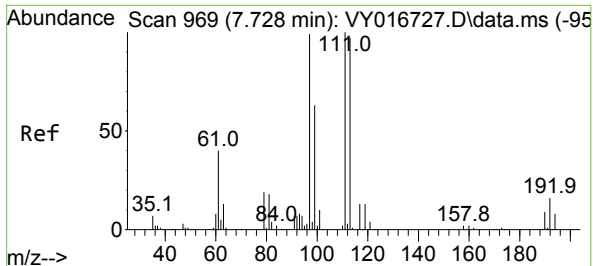
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

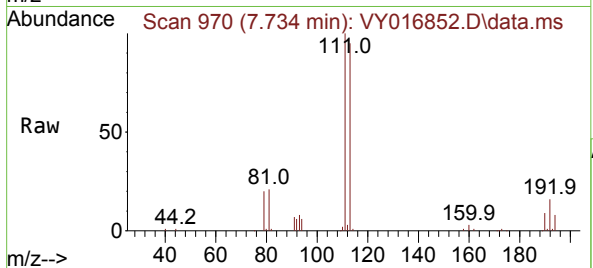
88 14.4 0.0 29.0



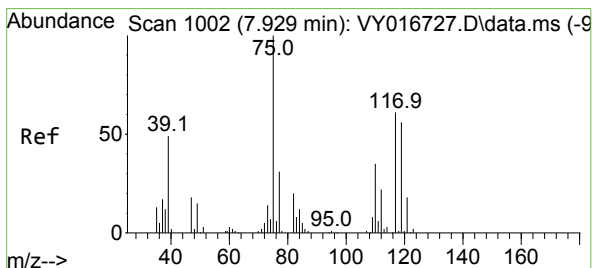
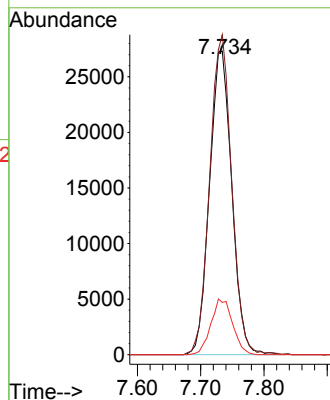
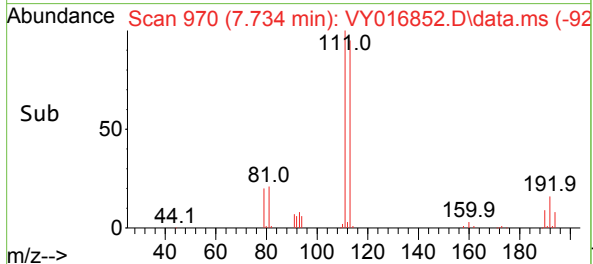


#35
Dibromofluoromethane
Concen: 50.419 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

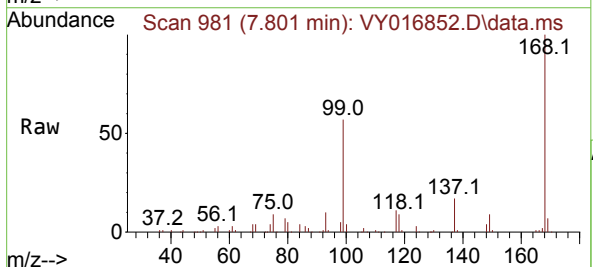
Instrument :
MSVOA_Y
ClientSampleId :



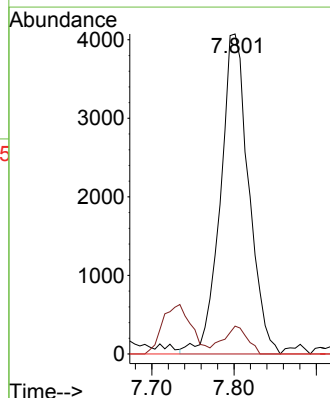
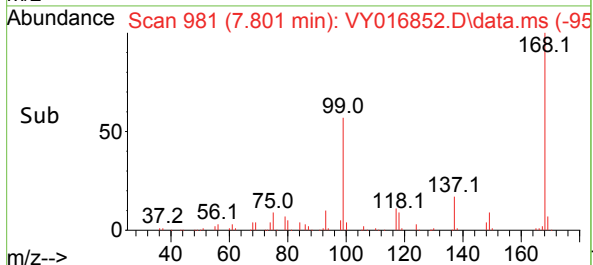
Tgt Ion:113 Resp: 66788
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 17.9 14.5 21.7

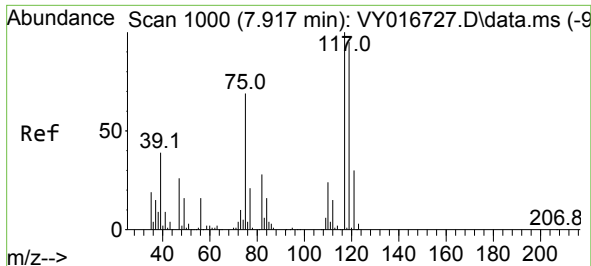


#36
1,1-Dichloropropene
Concen: 4.591 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55



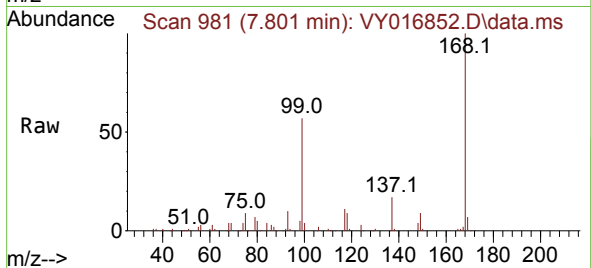
Tgt Ion: 75 Resp: 9750
Ion Ratio Lower Upper
75 100
110 7.3 17.4 52.3#
77 0.0 24.7 37.1#



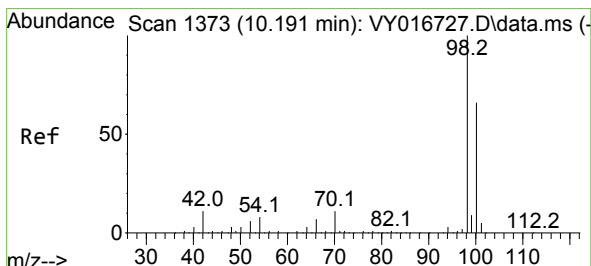
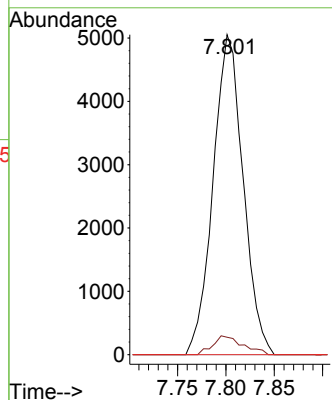
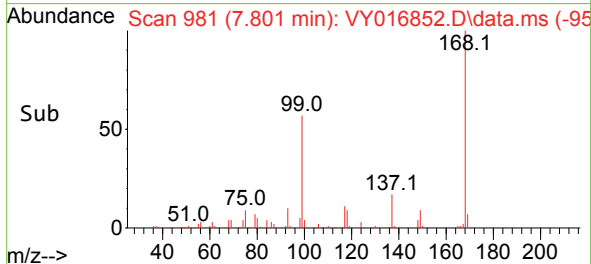


#38
Carbon Tetrachloride
Concen: 5.186 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :

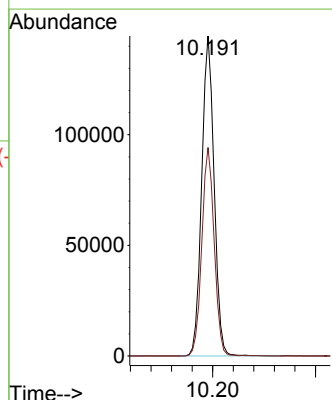
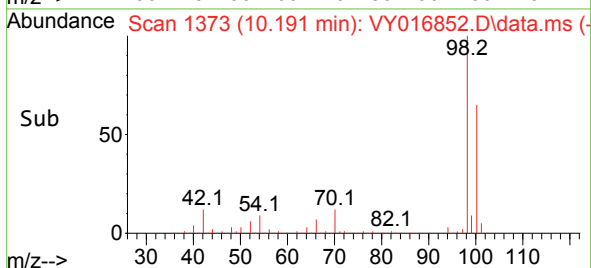
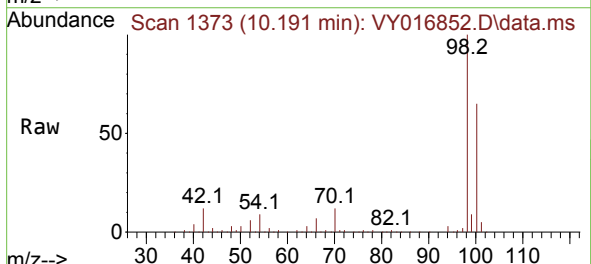


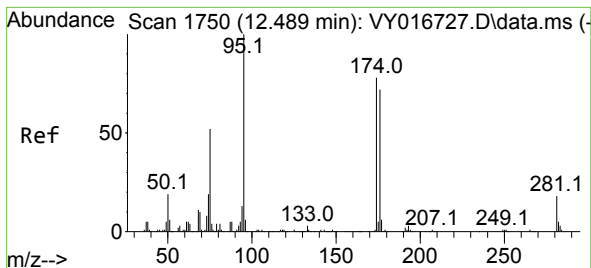
Tgt Ion:117 Resp: 10898
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.642 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion: 98 Resp: 241832
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

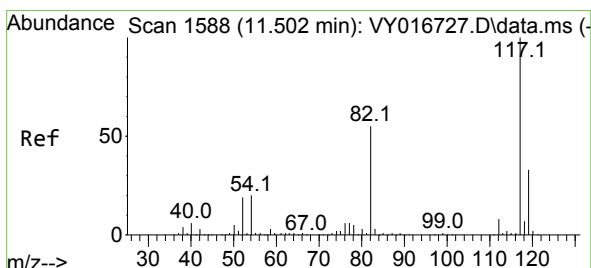
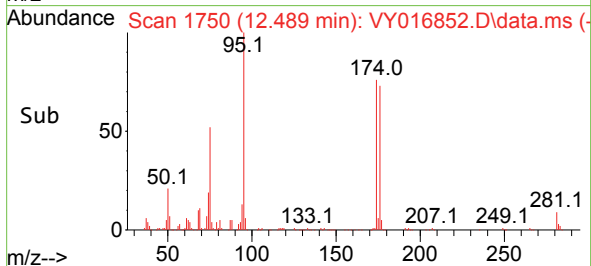
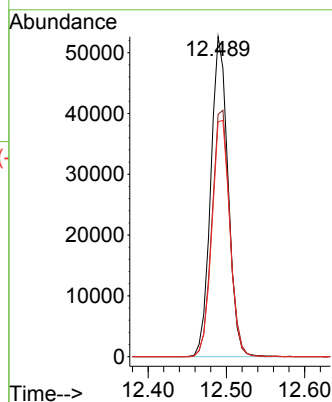
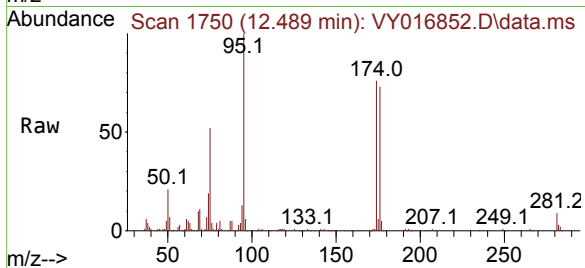




#62
4-Bromofluorobenzene
Concen: 52.039 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

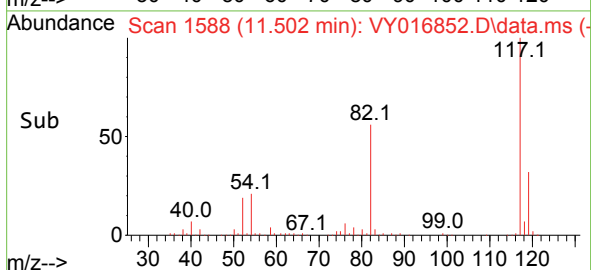
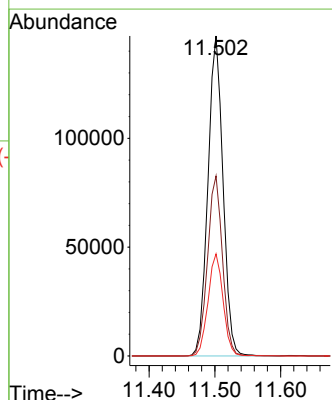
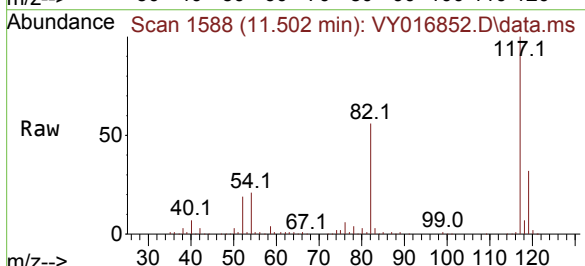
Instrument :
MSVOA_Y
ClientSampleId :

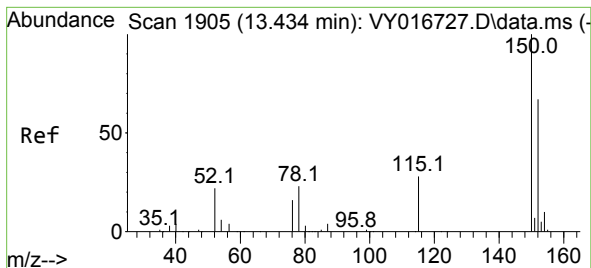
Tgt Ion:	95	Resp:	80622
Ion Ratio	Lower	Upper	
95	100		
174	79.6	0.0	160.0
176	76.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion:	117	Resp:	234631
Ion Ratio	Lower	Upper	
117	100		
82	56.2	43.8	65.8
119	31.9	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: VY016852.D

Acq: 26 Dec 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

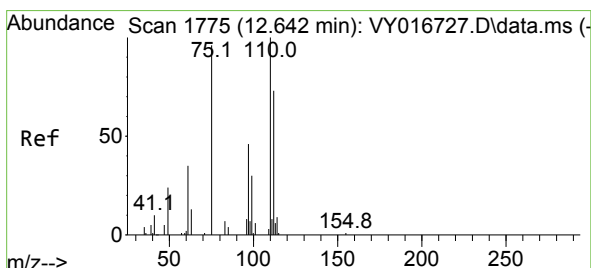
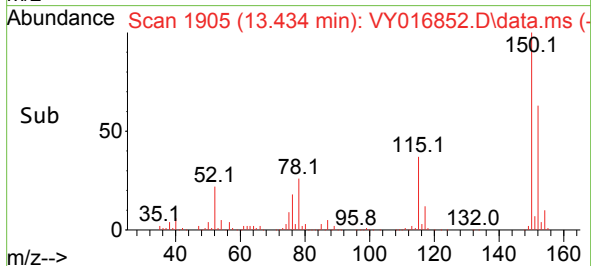
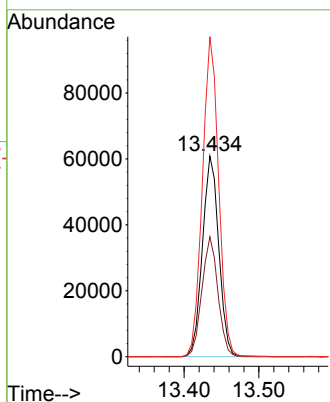
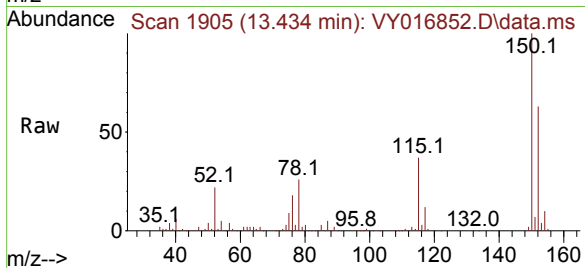
Tgt Ion:152 Resp: 92440

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

150 158.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 42.247 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016852.D

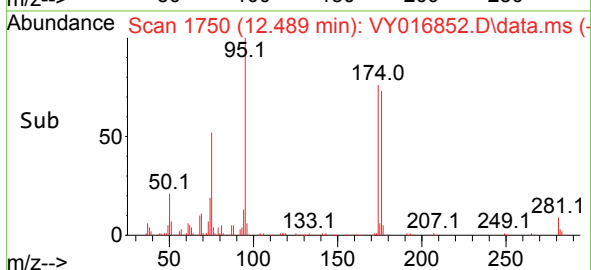
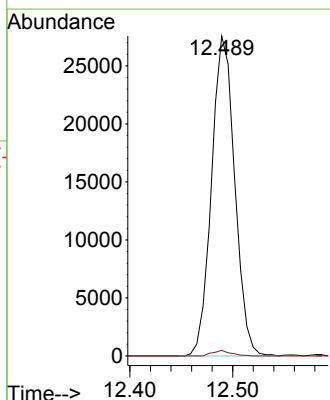
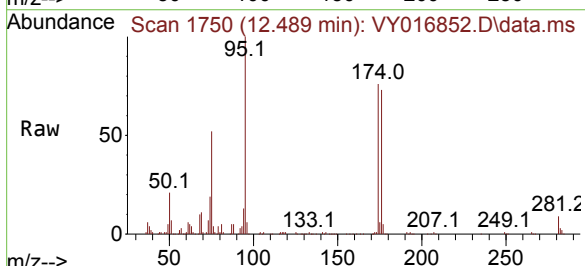
Acq: 26 Dec 2023 14:55

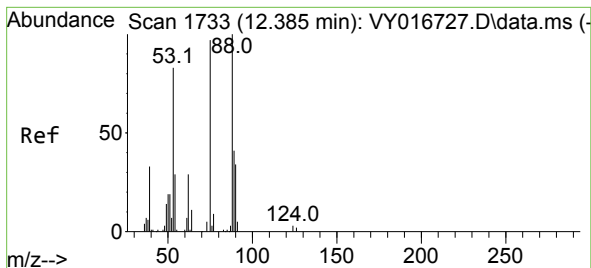
Tgt Ion: 75 Resp: 43171

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

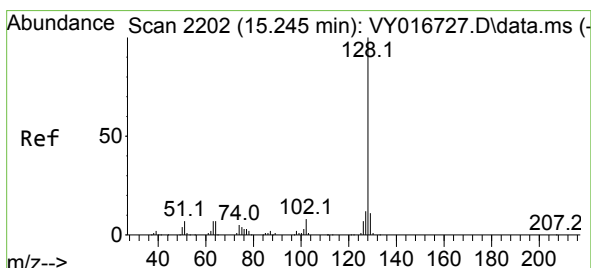
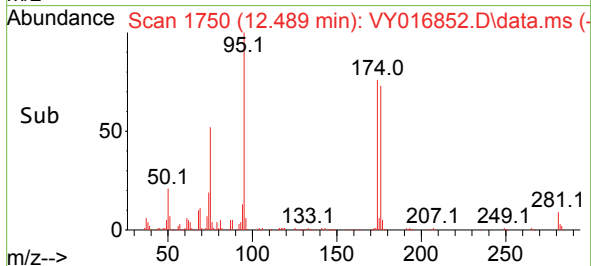
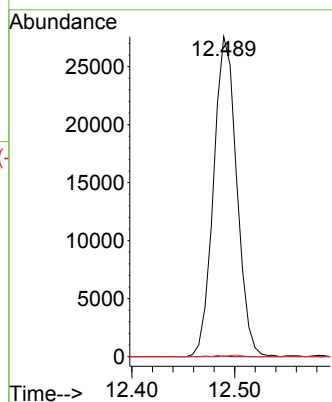
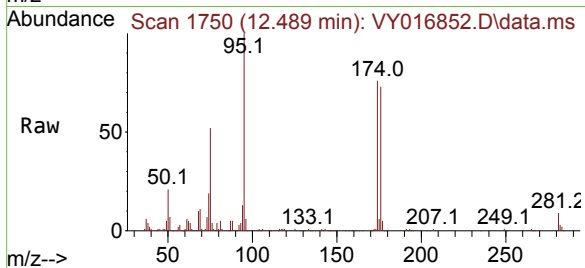




#81
trans-1,4-Dichloro-2-butene
Concen: 99.214 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43171
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.4 36.5 54.7#



#95
Naphthalene
Concen: 3.626 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016852.D
Acq: 26 Dec 2023 14:55

Tgt Ion:128 Resp: 103
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

