

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016850.D
 Acq On : 26 Dec 2023 14:04
 Operator : SY/MD
 Sample : 06018-02
 Misc : 5.4g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:34:01 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)

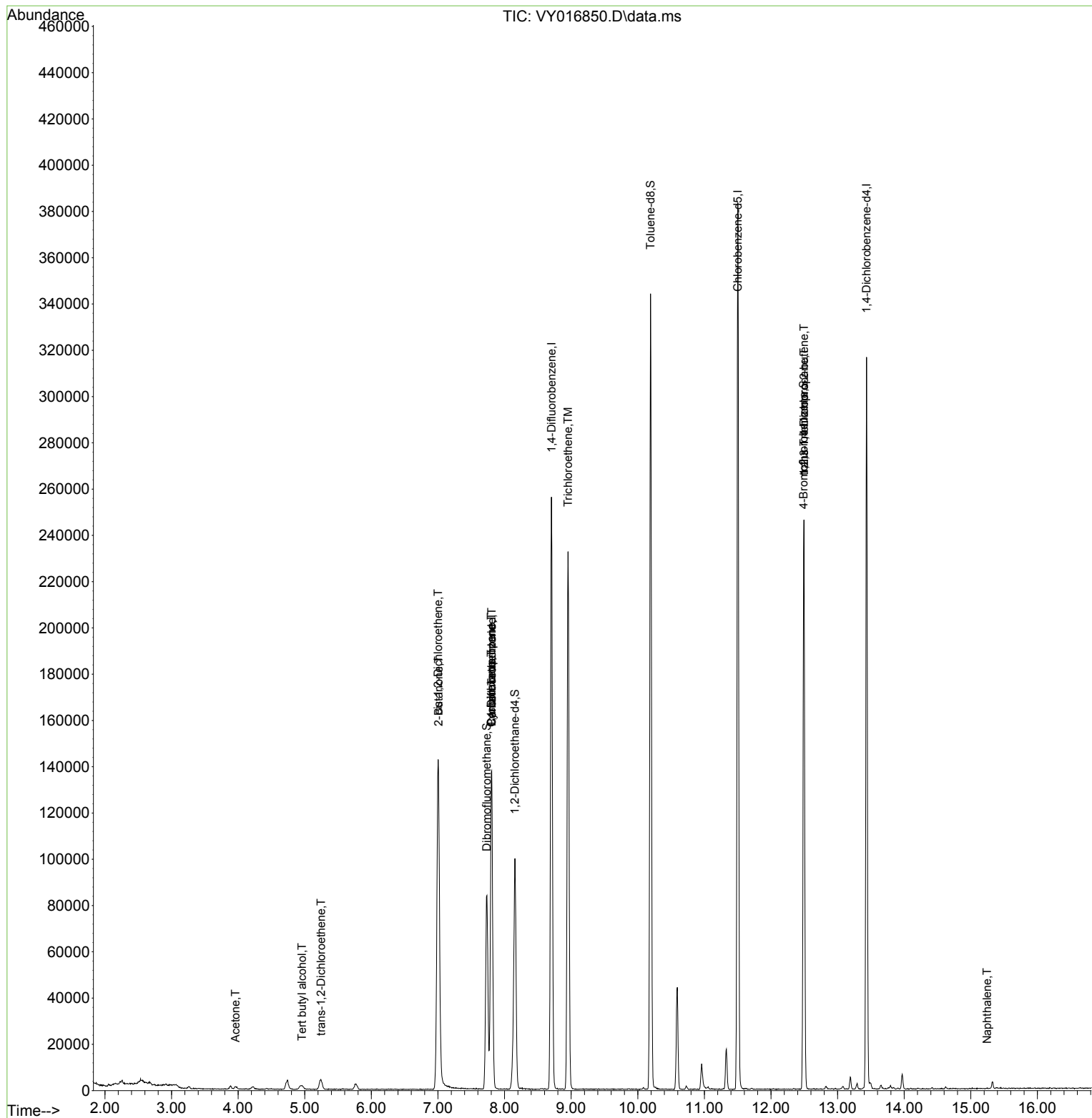
Internal Standards						
1) Pentafluorobenzene	7.807	168	106671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	215402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	203101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	75884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	70964	72.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.740%	
35) Dibromofluoromethane	7.734	113	62357	50.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.191	98	219686	49.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	12.489	95	69409	48.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	2428	30.410	ug/l #	75
16) Acetone	3.960	43	2154	8.180	ug/l	93
20) Methylene Chloride	4.741	84	2721	Below Cal		91
21) trans-1,2-Dichloroethene	5.247	96	2934	2.555	ug/l	95
25) 2-Butanone	7.009	43	1363	3.759	ug/l #	1
27) cis-1,2-Dichloroethene	7.003	96	82281	62.248	ug/l	93
31) Cyclohexane	7.801	56	2465	1.321	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9153	4.627	ug/l #	50
38) Carbon Tetrachloride	7.807	117	11116	5.679	ug/l #	18
44) Trichloroethene	8.954	130	81478	55.457	ug/l	100
76) 1,2,3-Trichloropropane	12.496	75	36900	43.988	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	36900	103.304	ug/l #	13
95) Naphthalene	15.245	128	355	3.729	ug/l #	69

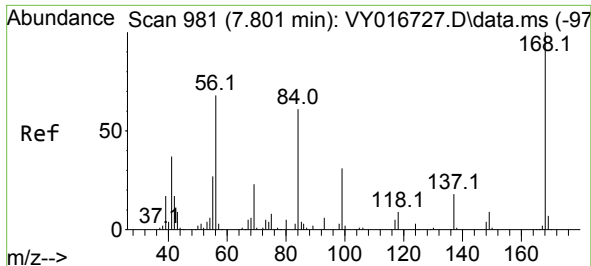
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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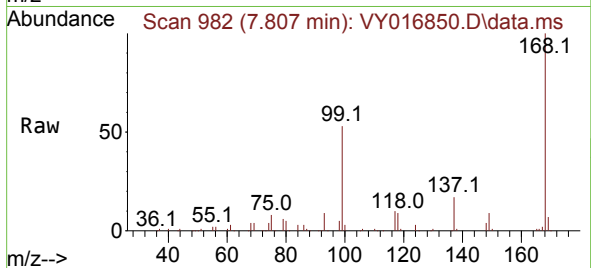
Quant Time: Dec 27 01:34:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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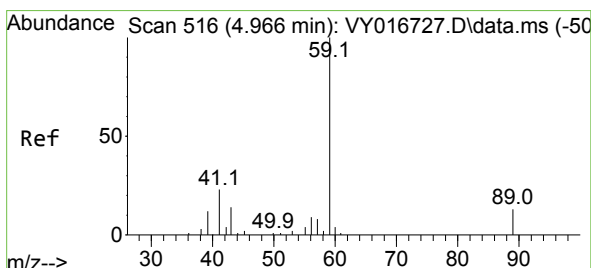
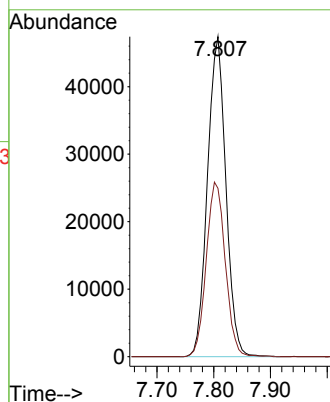
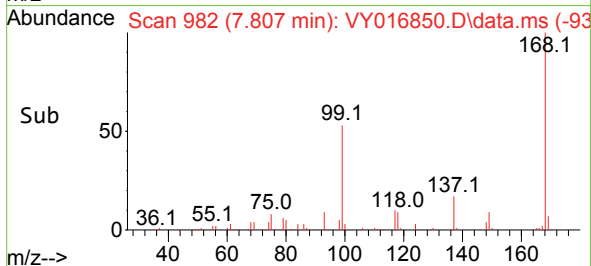


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Instrument :
MSVOA_Y
ClientSampleId :

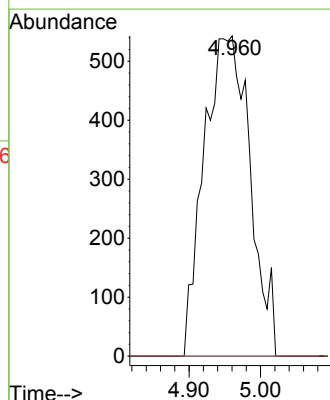
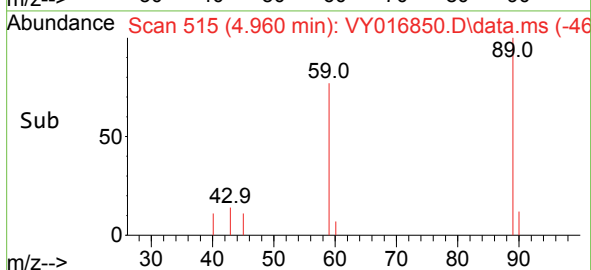
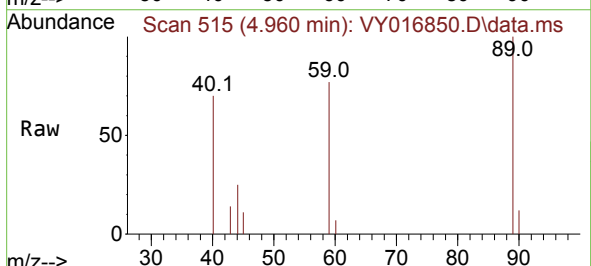


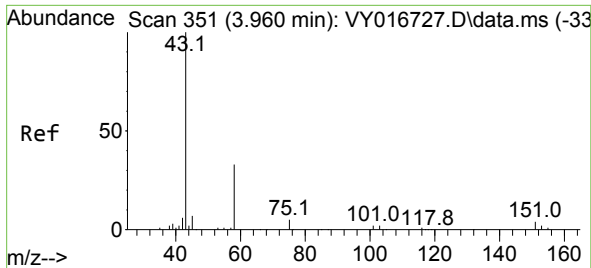
Tgt Ion:168 Resp: 106671
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 30.410 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Tgt Ion: 59 Resp: 2428
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 8.180 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY016850.D

Acq: 26 Dec 2023 14:04

Instrument :

MSVOA_Y

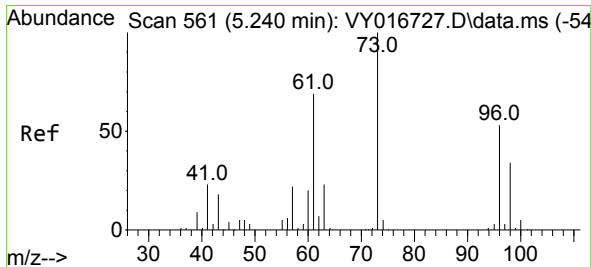
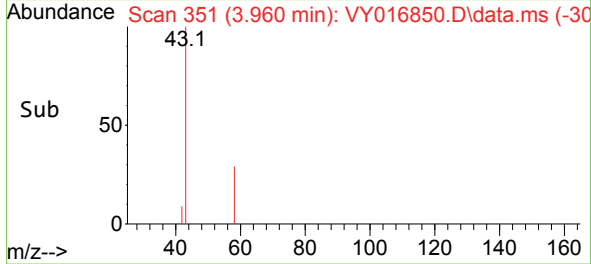
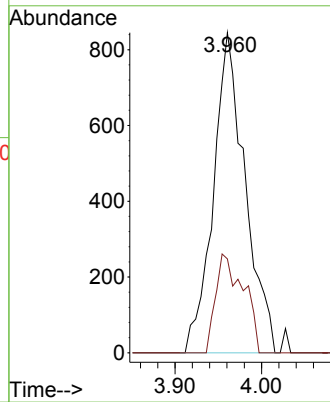
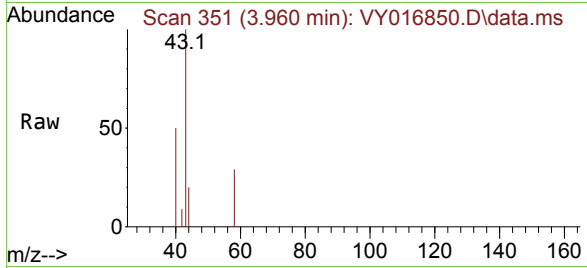
ClientSampleId :

Tgt Ion: 43 Resp: 2154

Ion Ratio Lower Upper

43 100

58 29.3 26.6 39.8



#21

trans-1,2-Dichloroethene

Concen: 2.555 ug/l

RT: 5.247 min Scan# 562

Delta R.T. 0.006 min

Lab File: VY016850.D

Acq: 26 Dec 2023 14:04

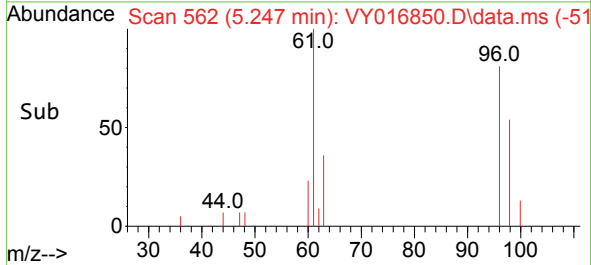
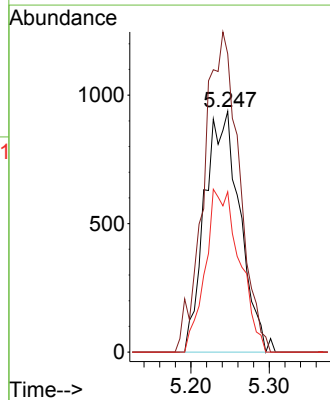
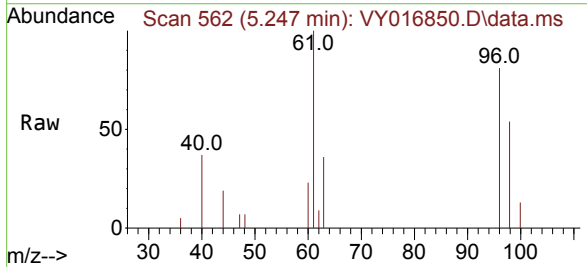
Tgt Ion: 96 Resp: 2934

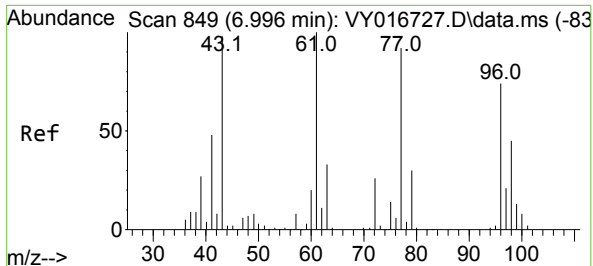
Ion Ratio Lower Upper

96 100

61 123.9 104.6 156.8

98 66.6 50.9 76.3





#25

2-Butanone

Concen: 3.759 ug/l

RT: 7.009 min Scan# 8

Delta R.T. 0.013 min

Lab File: VY016850.D

Acq: 26 Dec 2023 14:04

Instrument :

MSVOA_Y

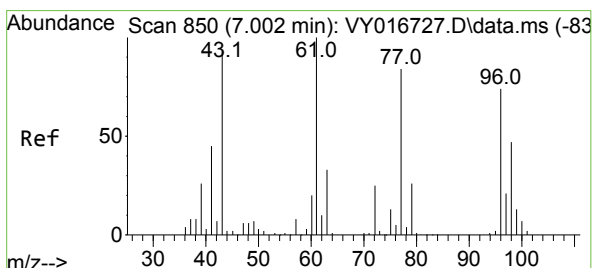
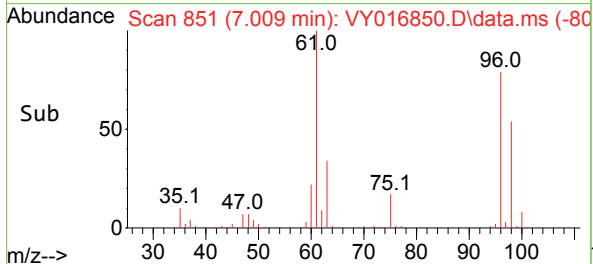
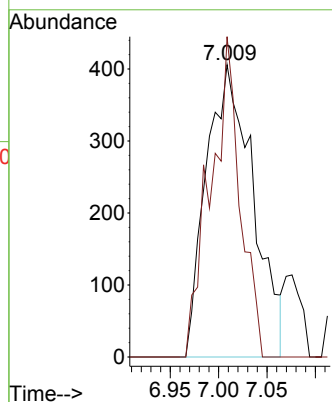
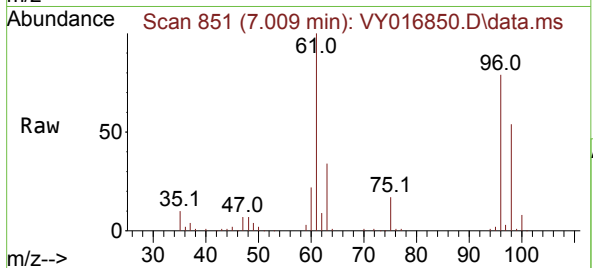
ClientSampleId :

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

72 109.6 21.4 32.2#



#27

cis-1,2-Dichloroethene

Concen: 62.248 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY016850.D

Acq: 26 Dec 2023 14:04

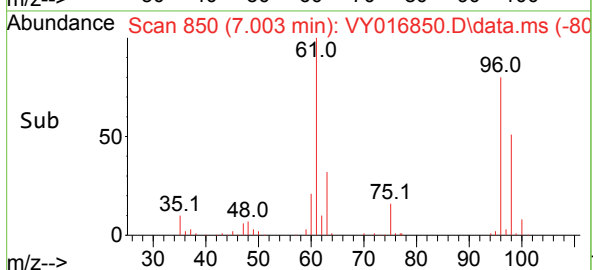
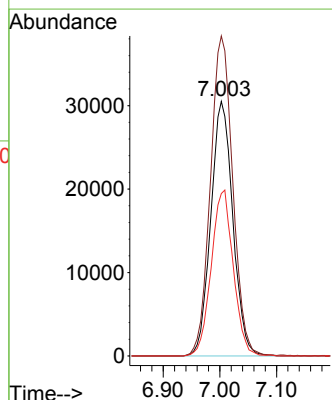
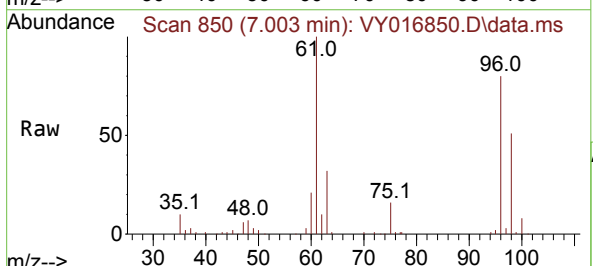
Tgt Ion: 96 Resp: 82281

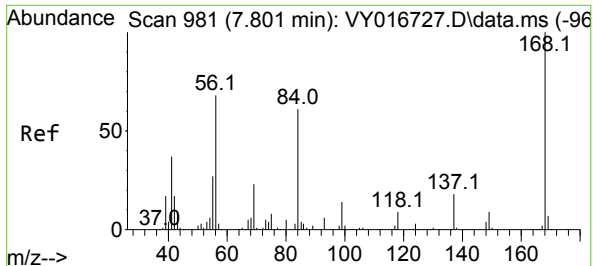
Ion Ratio Lower Upper

96 100

61 127.6 0.0 278.8

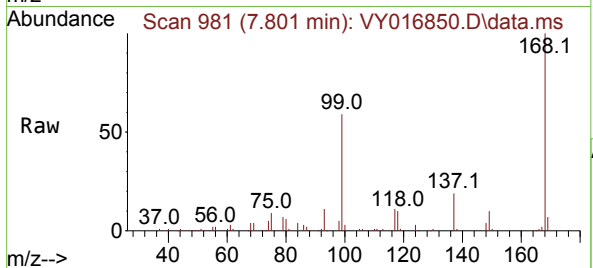
98 65.1 0.0 127.0



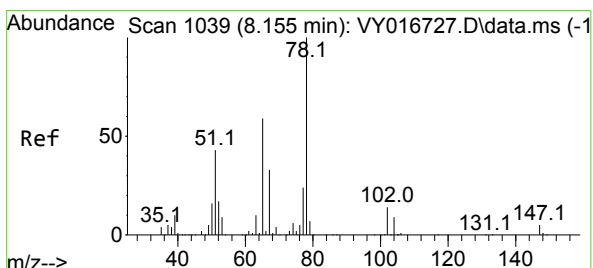
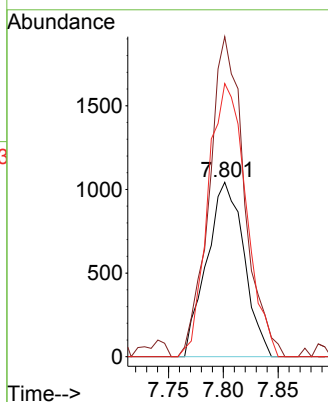
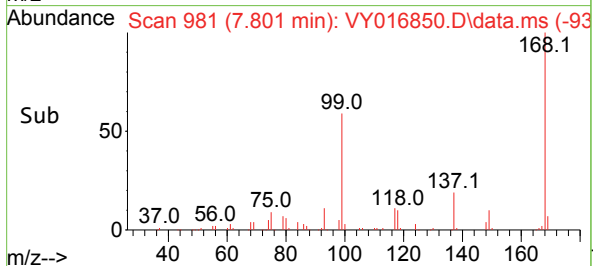


#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Instrument :
MSVOA_Y
ClientSampleId :

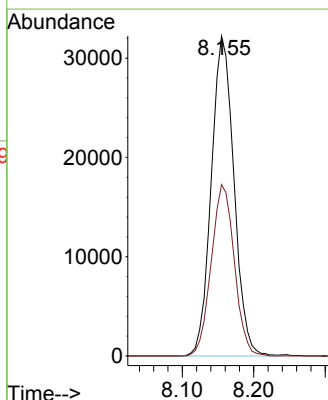
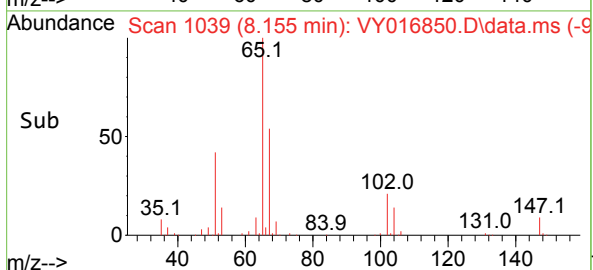
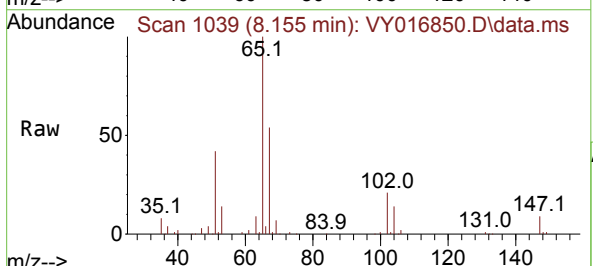


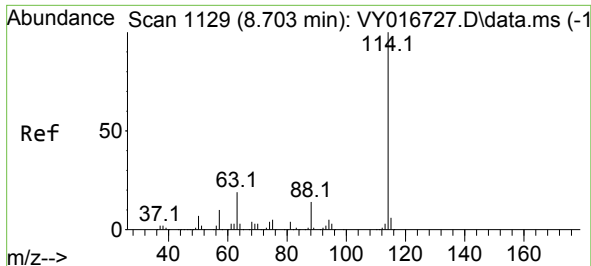
Tgt Ion: 56 Resp: 2465
Ion Ratio Lower Upper
56 100
69 183.4 27.0 40.6#
84 156.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 72.874 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Tgt Ion: 65 Resp: 70964
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0

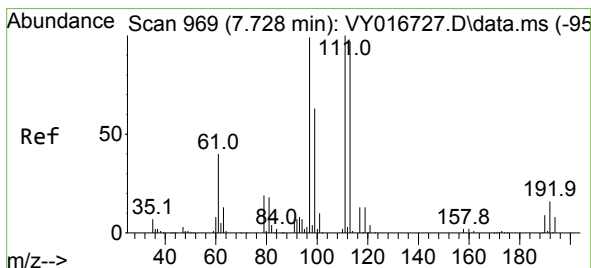
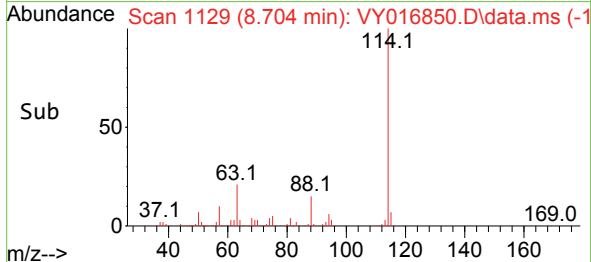
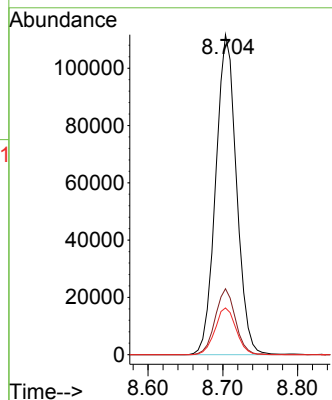
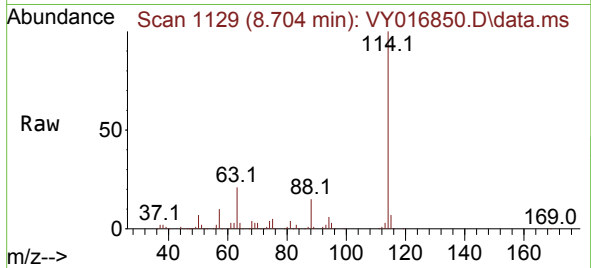




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.001 min
 Lab File: VY016850.D
 Acq: 26 Dec 2023 14:04

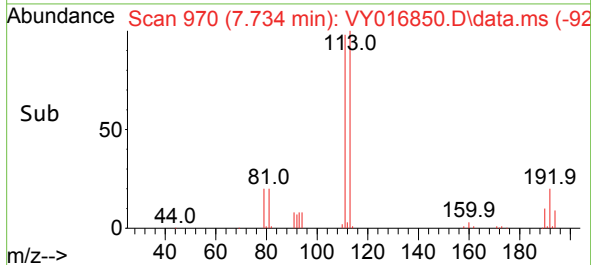
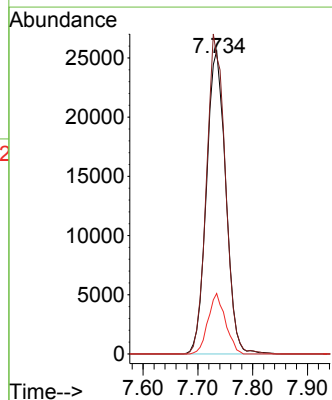
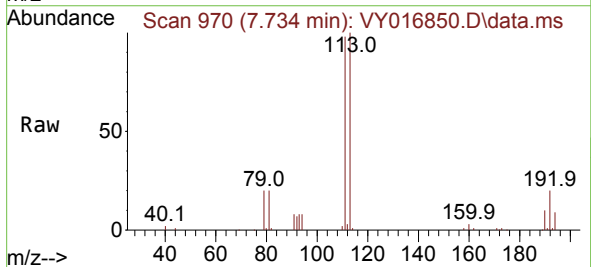
Instrument :
 MSVOA_Y
 ClientSampleId :

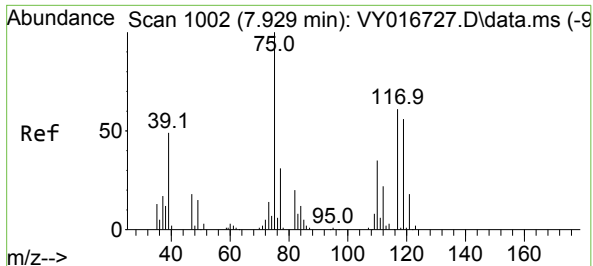
Tgt Ion:114 Resp: 215402
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.4
 88 14.6 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 50.537 ug/l
 RT: 7.734 min Scan# 970
 Delta R.T. 0.006 min
 Lab File: VY016850.D
 Acq: 26 Dec 2023 14:04

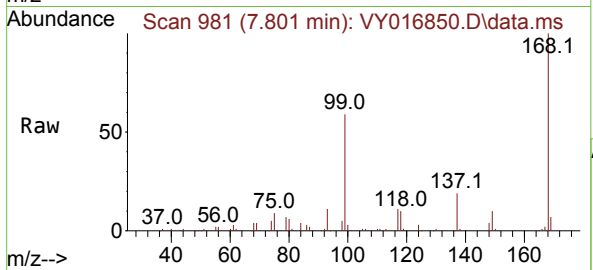
Tgt Ion:113 Resp: 62357
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.8 125.6
 192 18.0 14.5 21.7



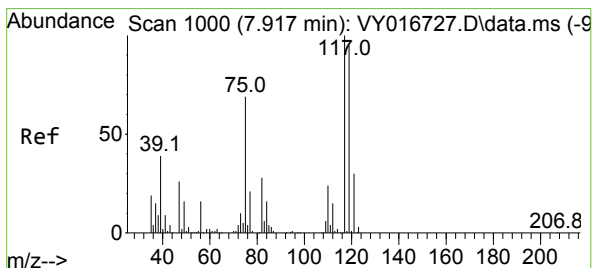
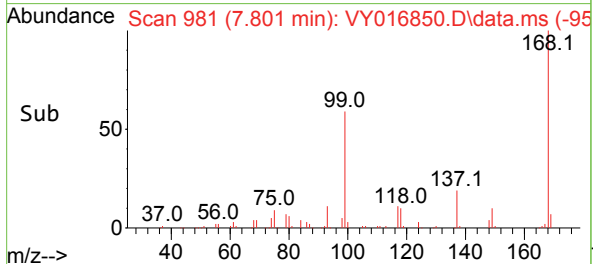
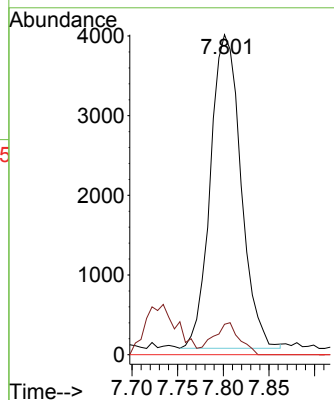


#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Instrument :
MSVOA_Y
ClientSampleId :

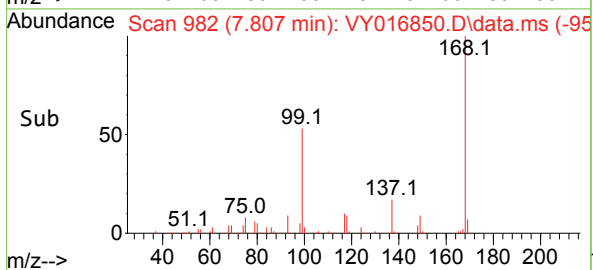
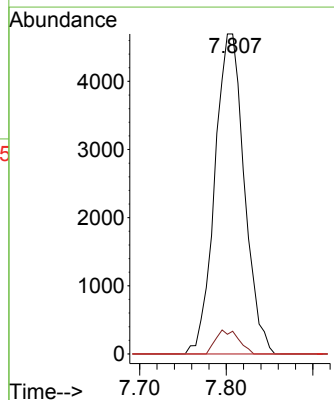
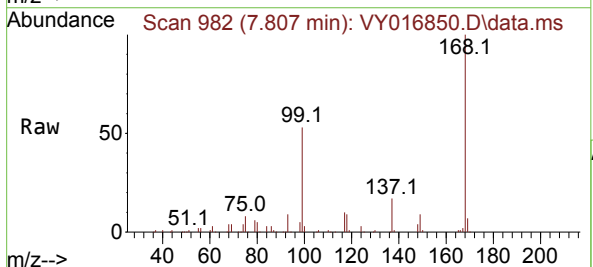


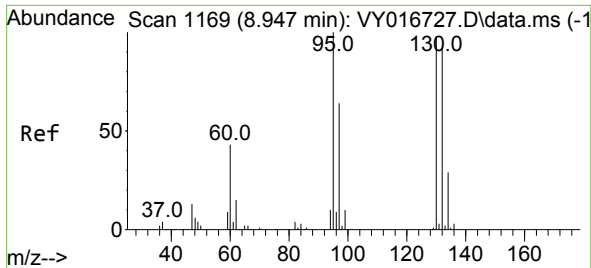
Tgt Ion: 75 Resp: 9153
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.109 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Tgt Ion: 117 Resp: 11116
Ion Ratio Lower Upper
117 100
119 7.1 76.0 114.0#
121 0.0 24.2 36.2#

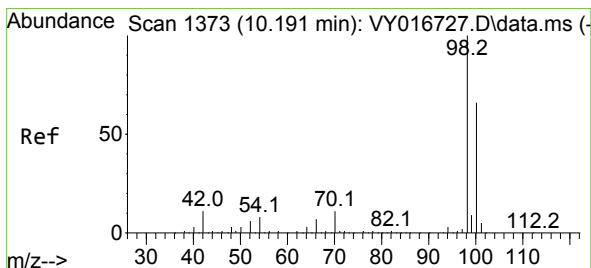
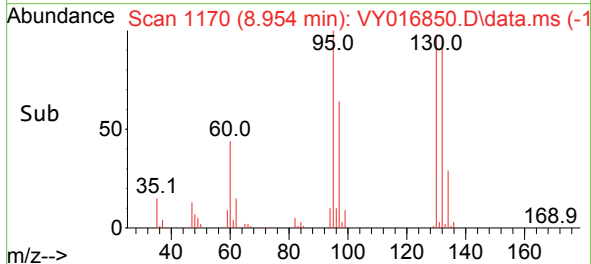
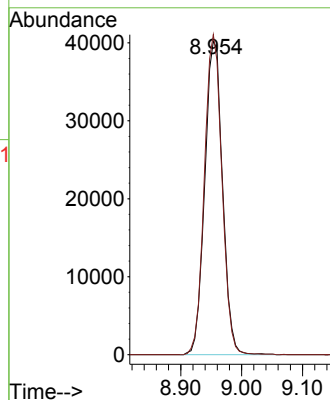
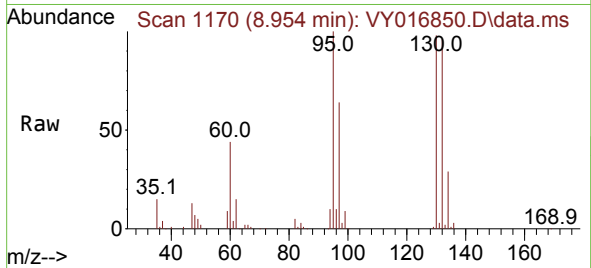




#44
Trichloroethene
Concen: 55.457 ug/l
RT: 8.954 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

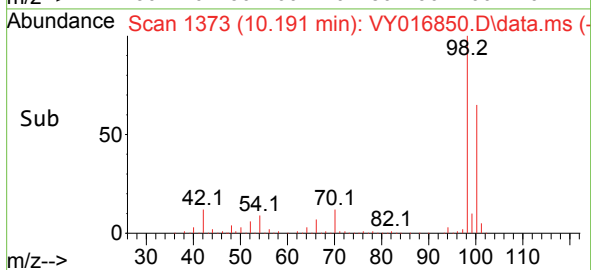
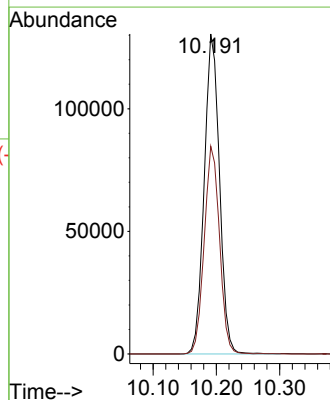
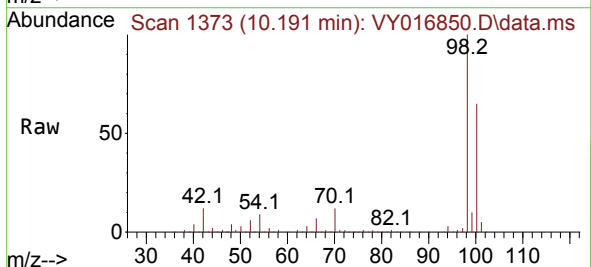
Instrument :
MSVOA_Y
ClientSampleId :

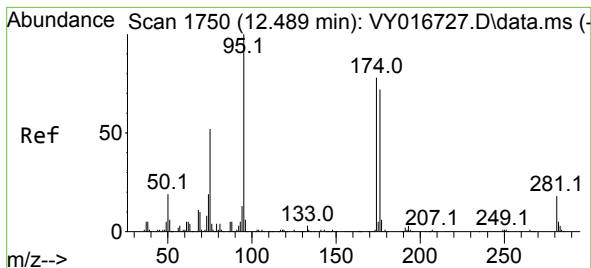
Tgt Ion:130 Resp: 81478
Ion Ratio Lower Upper
130 100
95 102.1 0.0 203.8



#50
Toluene-d8
Concen: 49.390 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Tgt Ion: 98 Resp: 219686
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

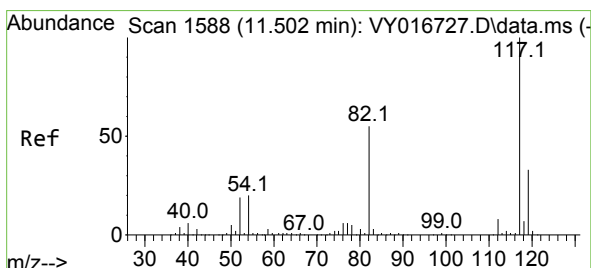
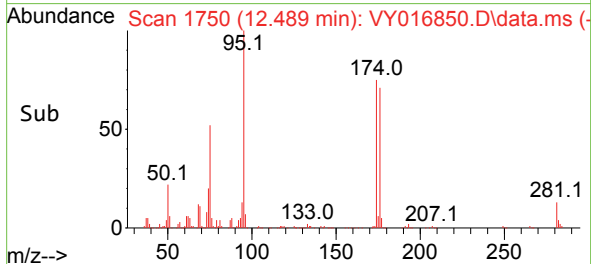
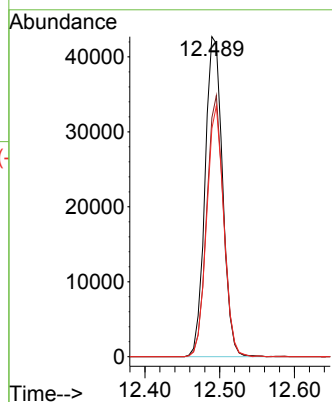
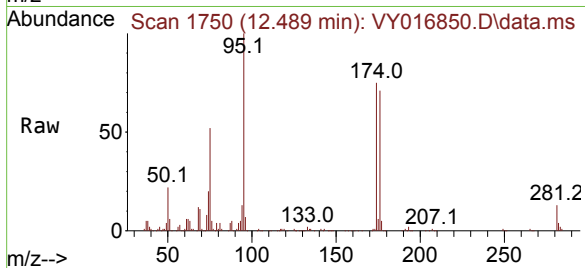




#62
4-Bromofluorobenzene
Concen: 48.098 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

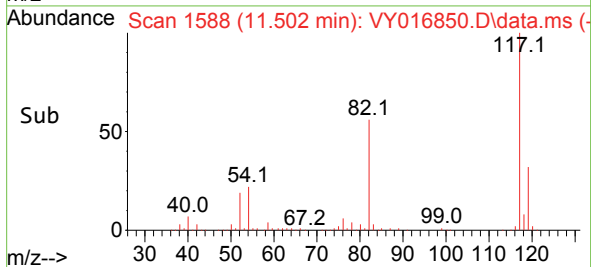
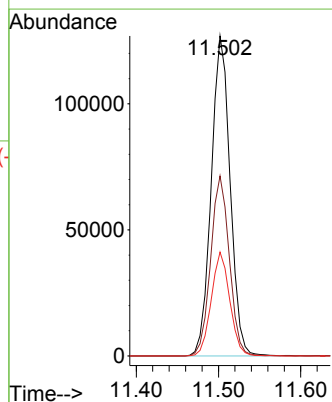
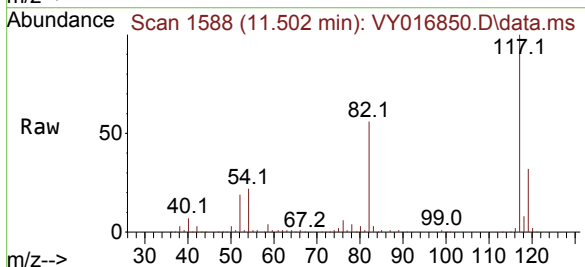
Instrument :
MSVOA_Y
ClientSampleId :

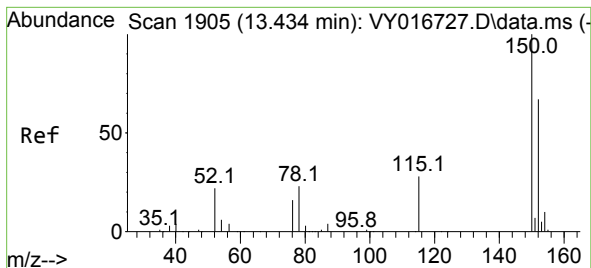
Tgt Ion: 95 Resp: 69409
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.0
176 76.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016850.D
Acq: 26 Dec 2023 14:04

Tgt Ion: 117 Resp: 203101
Ion Ratio Lower Upper
117 100
82 56.2 43.8 65.8
119 32.5 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: VY016850.D

Acq: 26 Dec 2023 14:04

Instrument :

MSVOA_Y

ClientSampleId :

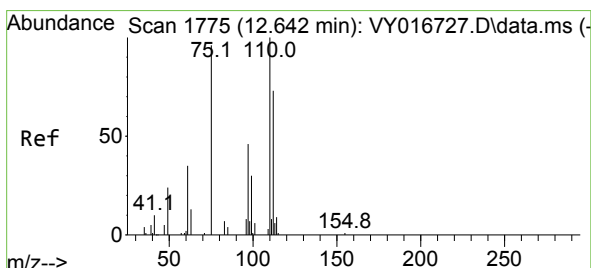
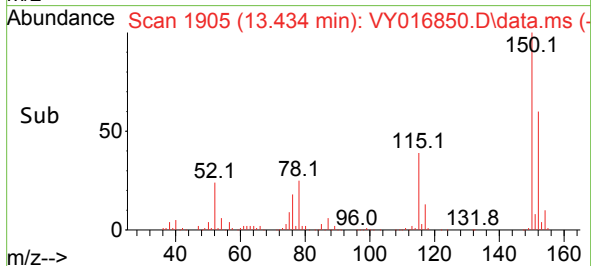
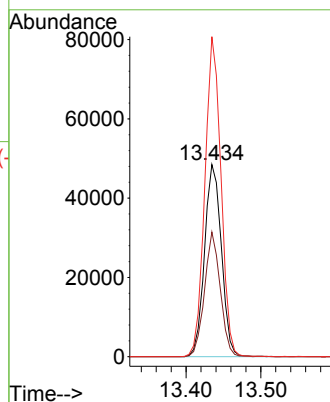
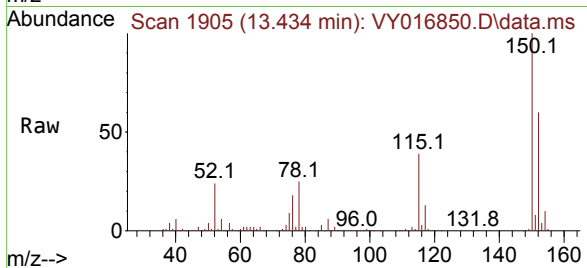
Tgt Ion:152 Resp: 75884

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

150 159.1 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 43.988 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016850.D

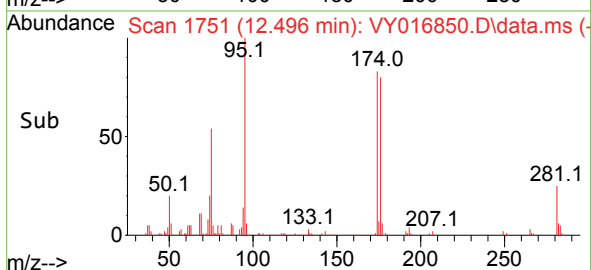
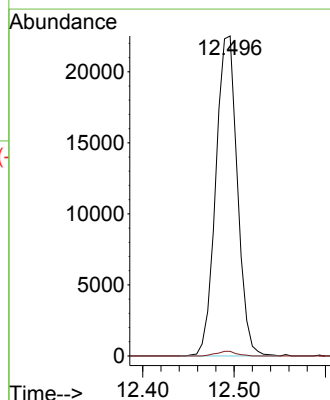
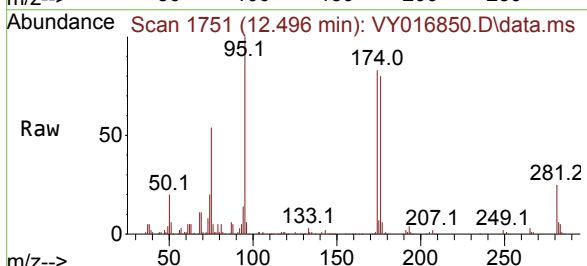
Acq: 26 Dec 2023 14:04

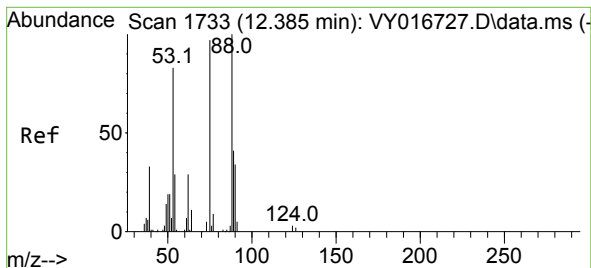
Tgt Ion: 75 Resp: 36900

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

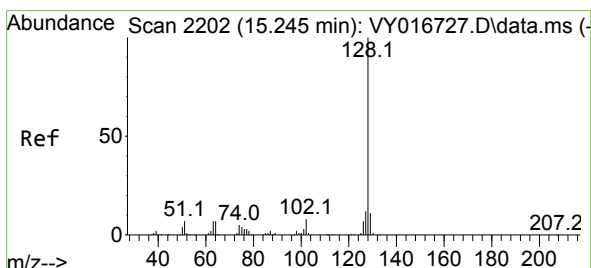
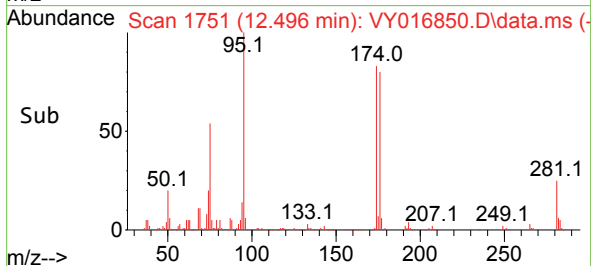
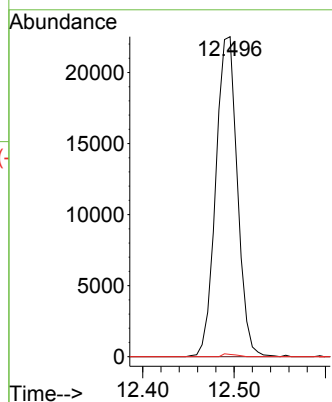
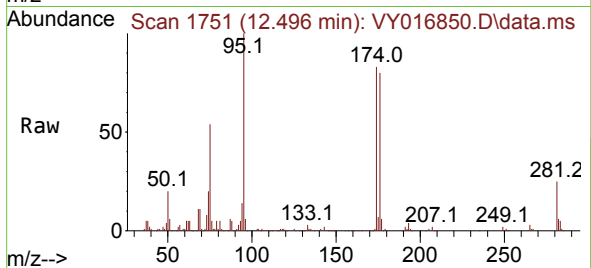




#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.304 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. 0.110 min
 Lab File: VY016850.D
 Acq: 26 Dec 2023 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 36900
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.5 36.5 54.7#



#95
 Naphthalene
 Concen: 3.729 ug/l
 RT: 15.245 min Scan# 2202
 Delta R.T. 0.000 min
 Lab File: VY016850.D
 Acq: 26 Dec 2023 14:04

Tgt Ion: 128 Resp: 355
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.6 12.8#

