

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016859.D
 Acq On : 26 Dec 2023 17:39
 Operator : SY/MD
 Sample : 05994-12
 Misc : 6.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:37:11 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)

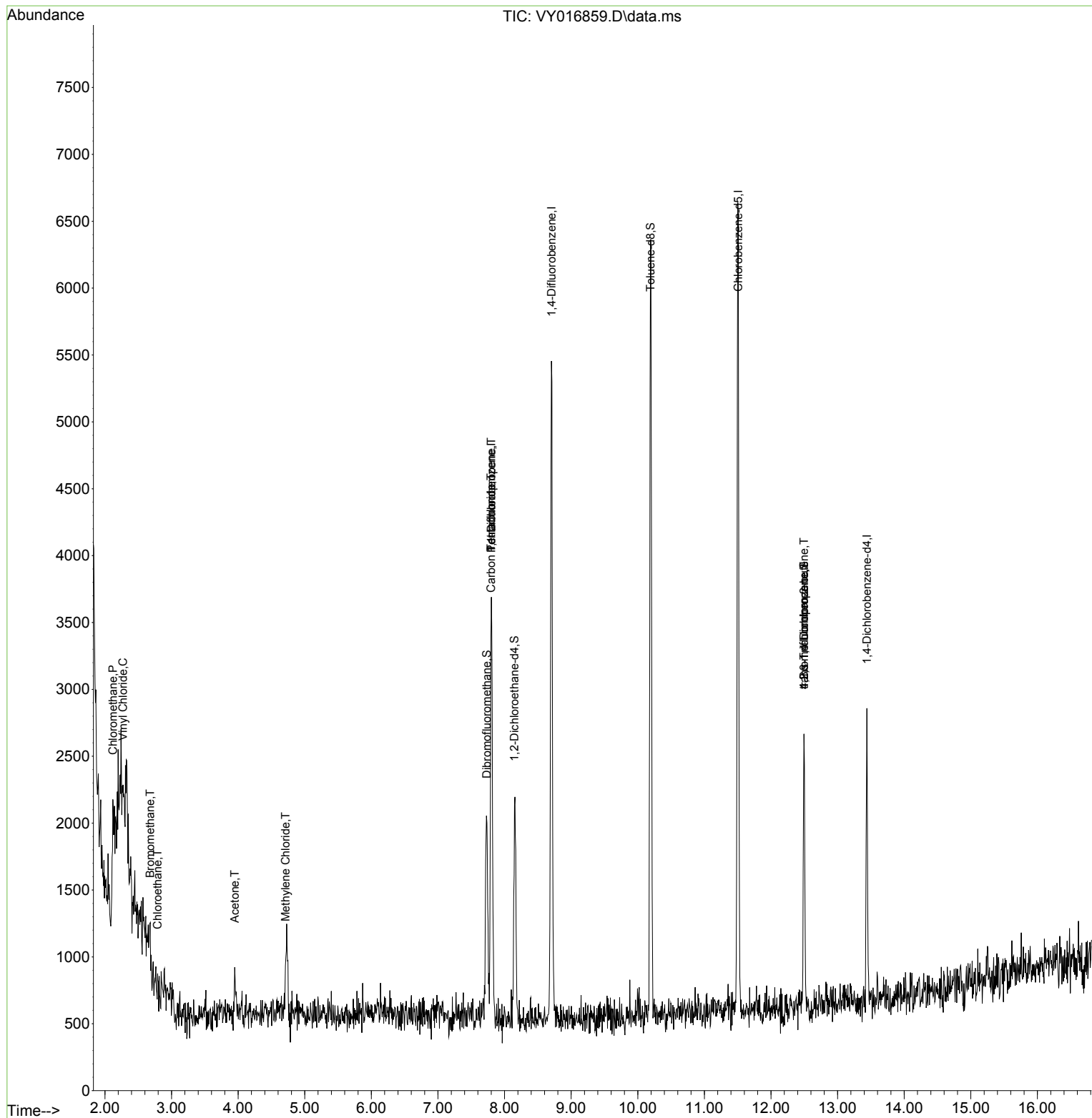
Internal Standards						
1) Pentafluorobenzene	7.801	168	2778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	4871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	3895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	1512	59.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.734	113	1412	50.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.220%
50) Toluene-d8	10.191	98	4410	43.844	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.680%
62) 4-Bromofluorobenzene	12.496	95	807	24.730	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	49.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	83	2.274	ug/l #	41
4) Vinyl Chloride	2.272	62	72	1.747	ug/l #	43
5) Bromomethane	2.680	94	44	1.499	ug/l #	1
6) Chloroethane	2.790	64	95	3.401	ug/l #	43
16) Acetone	3.948	43	442	64.453	ug/l #	64
20) Methylene Chloride	4.710	84	450	10.222	ug/l #	51
36) 1,1-Dichloropropene	7.801	75	221	4.941	ug/l #	42
38) Carbon Tetrachloride	7.795	117	305	6.890	ug/l #	12
76) 1,2,3-Trichloropropane	12.496	75	371	50.241	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	371	117.988	ug/l #	12

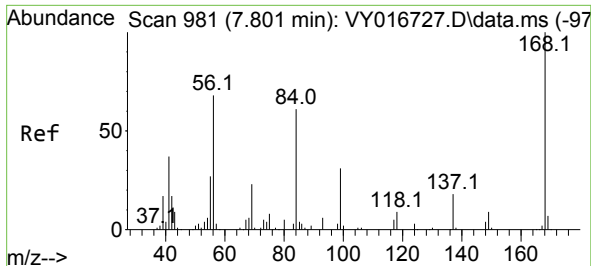
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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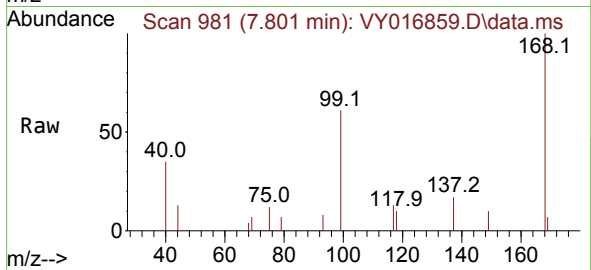
Quant Time: Dec 27 01:37:11 2023
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QLast Update : Thu Dec 21 01:49:45 2023
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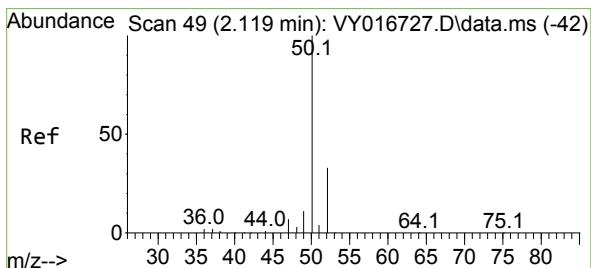
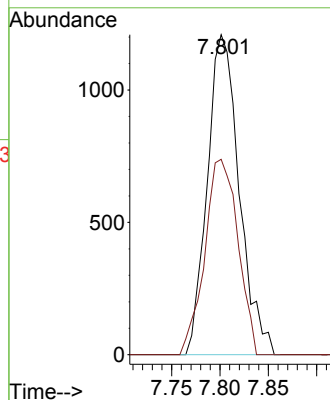
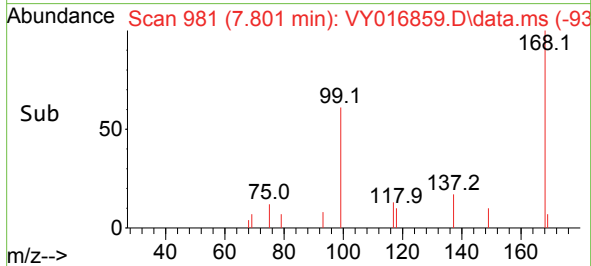


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :

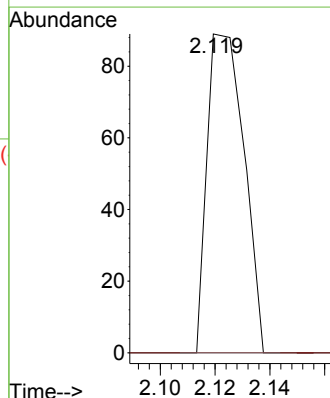
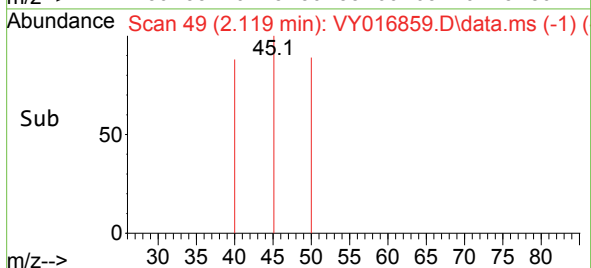
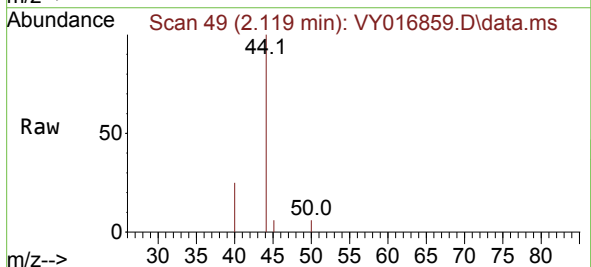


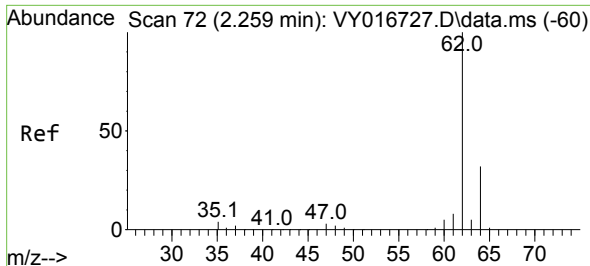
Tgt Ion:168 Resp: 2778
Ion Ratio Lower Upper
168 100
99 61.0 44.2 66.4



#3
Chloromethane
Concen: 2.274 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Tgt Ion: 50 Resp: 83
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

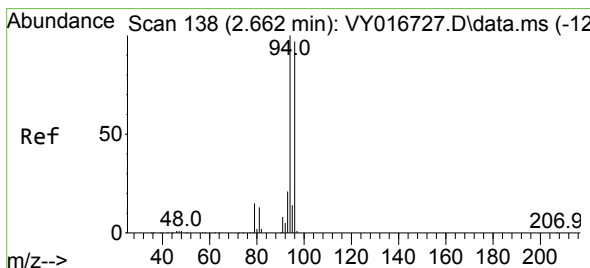
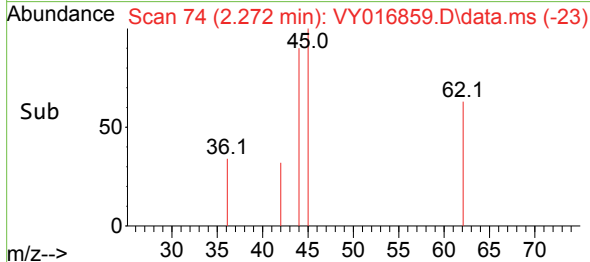
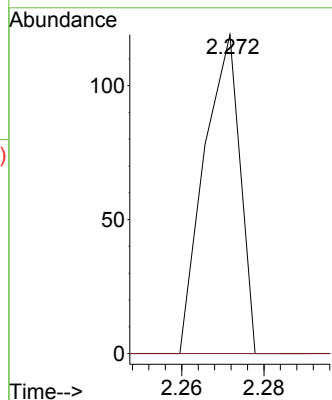
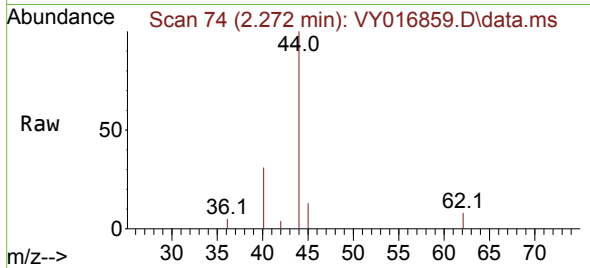




#4
 Vinyl Chloride
 Concen: 1.747 ug/l
 RT: 2.272 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: VY016859.D
 Acq: 26 Dec 2023 17:39

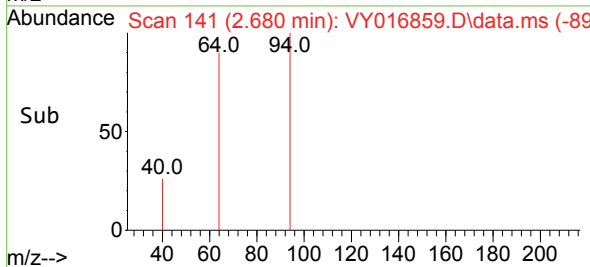
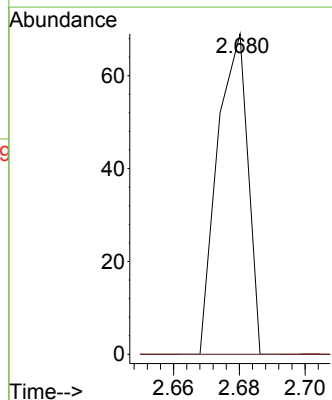
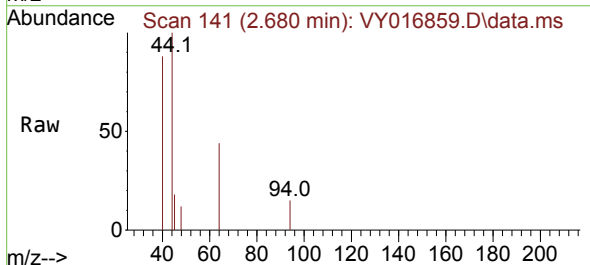
Instrument :
 MSVOA_Y
 ClientSampleId :

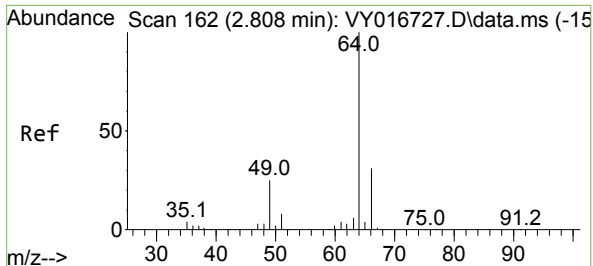
Tgt Ion: 62 Resp: 72
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.499 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.019 min
 Lab File: VY016859.D
 Acq: 26 Dec 2023 17:39

Tgt Ion: 94 Resp: 44
 Ion Ratio Lower Upper
 94 100
 96 0.0 77.3 115.9#

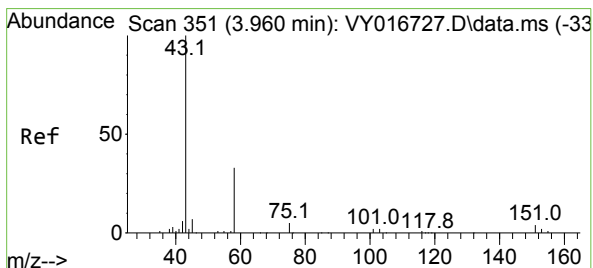
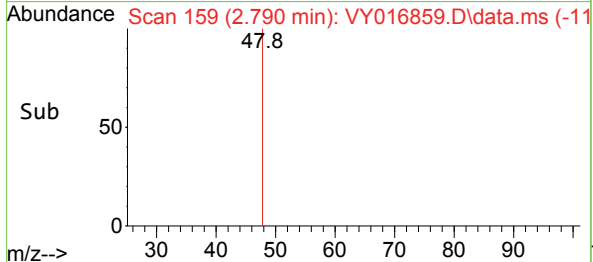
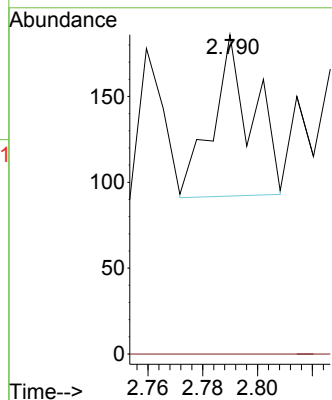
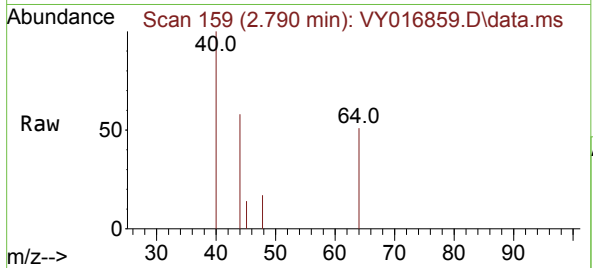




#6
Chloroethane
Concen: 3.401 ug/l
RT: 2.790 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

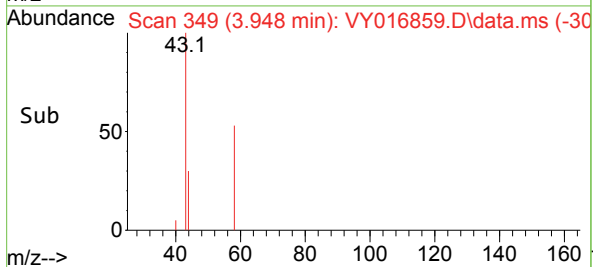
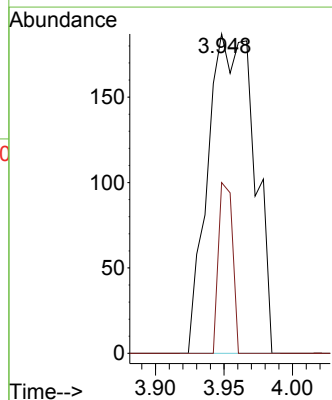
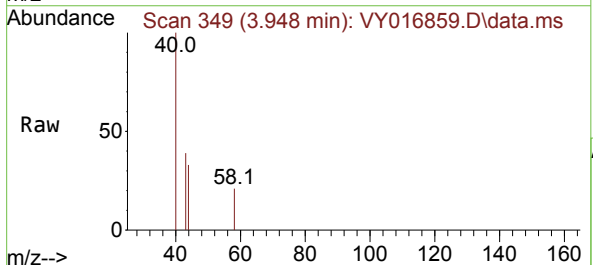
Instrument :
MSVOA_Y
ClientSampleId :

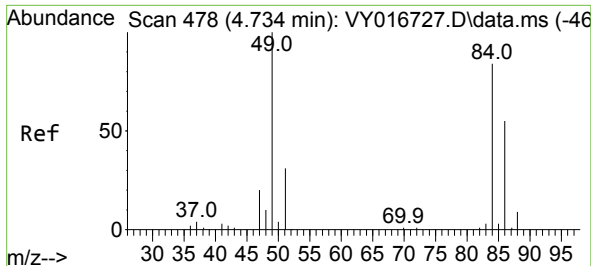
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#16
Acetone
Concen: 64.453 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 53.5 26.6 39.8#





#20

Methylene Chloride

Concen: 10.222 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.024 min

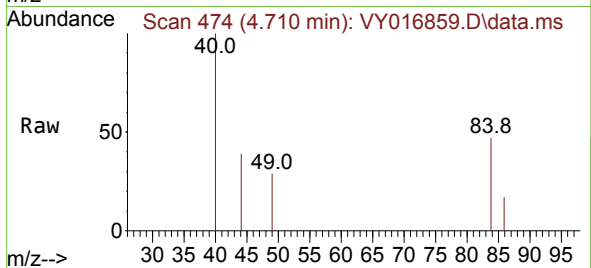
Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 450

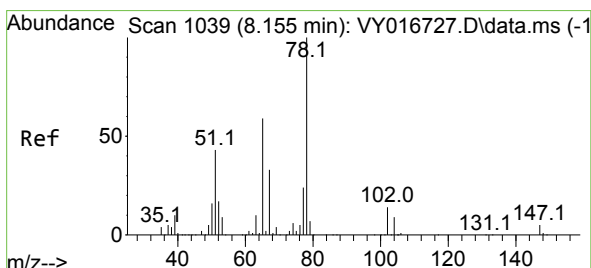
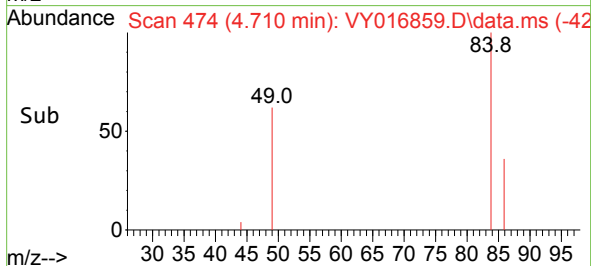
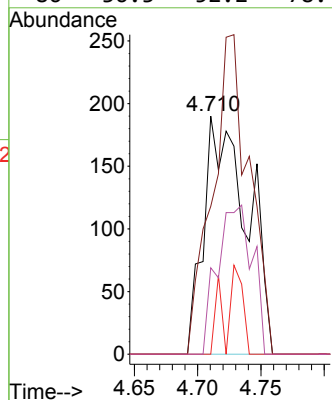
Ion Ratio Lower Upper

84 100

49 62.1 95.2 142.8#

51 0.0 29.9 44.9#

86 36.3 52.2 78.4#



#33

1,2-Dichloroethane-d4

Concen: 59.621 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY016859.D

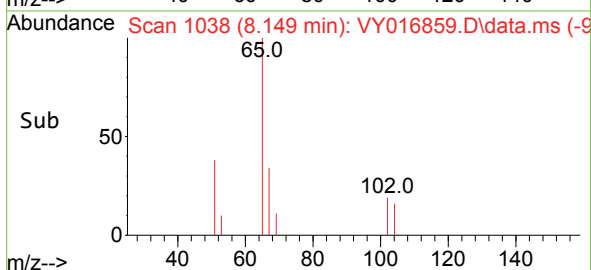
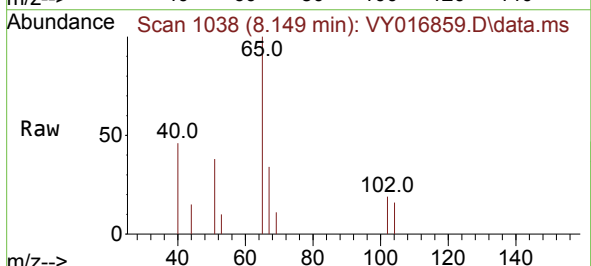
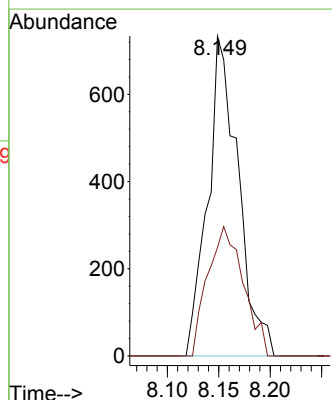
Acq: 26 Dec 2023 17:39

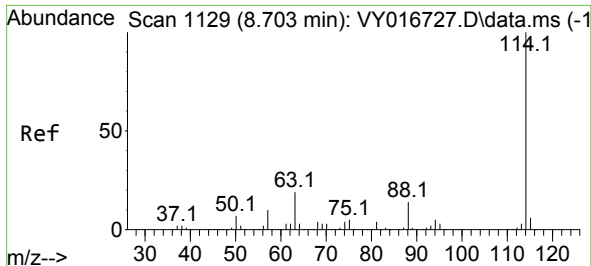
Tgt Ion: 65 Resp: 1512

Ion Ratio Lower Upper

65 100

67 47.5 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: VY016859.D

Acq: 26 Dec 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

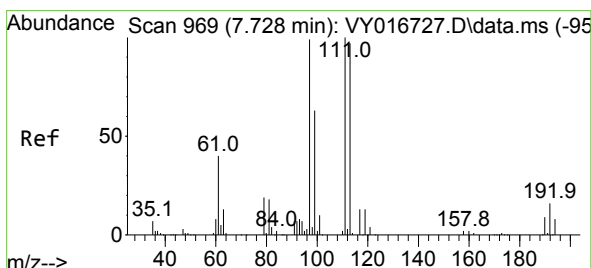
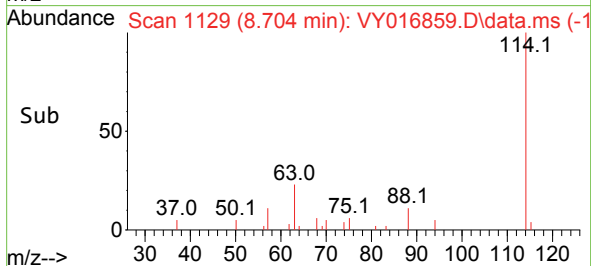
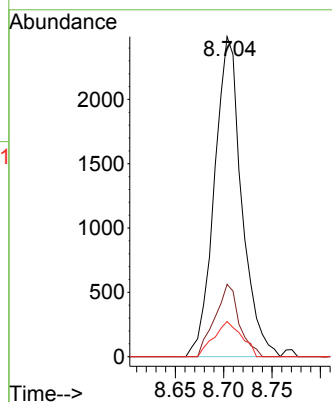
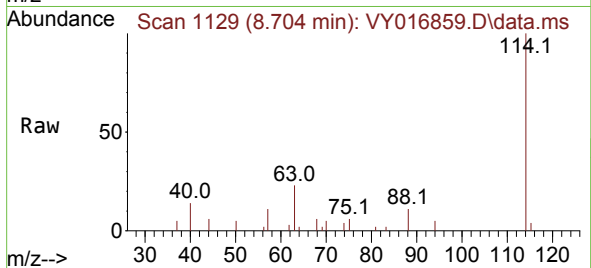
Tgt Ion:114 Resp: 4871

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

88 11.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.605 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

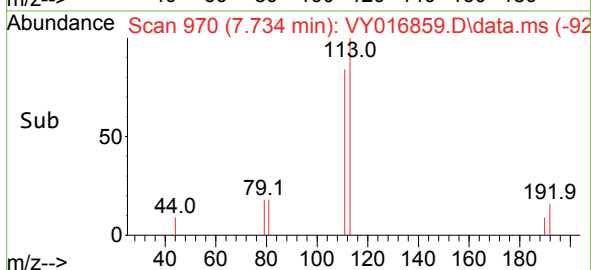
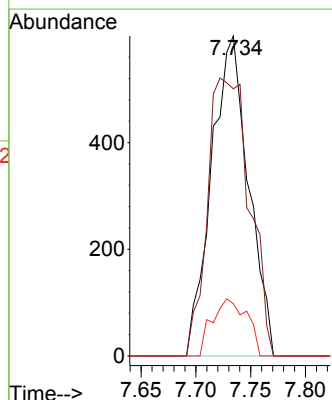
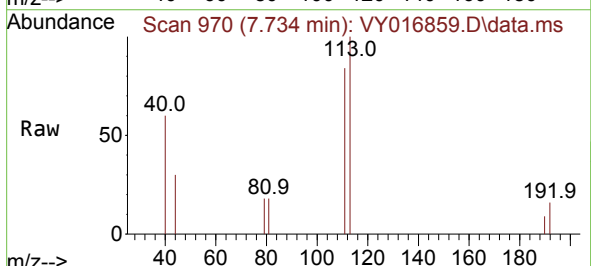
Tgt Ion:113 Resp: 1412

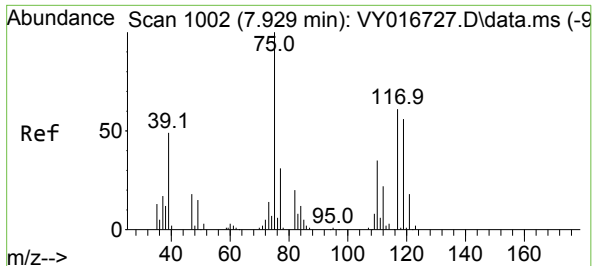
Ion Ratio Lower Upper

113 100

111 98.2 83.8 125.6

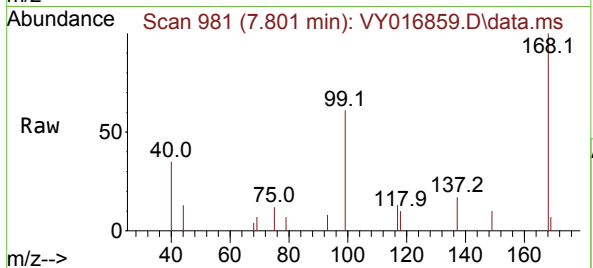
192 16.7 14.5 21.7



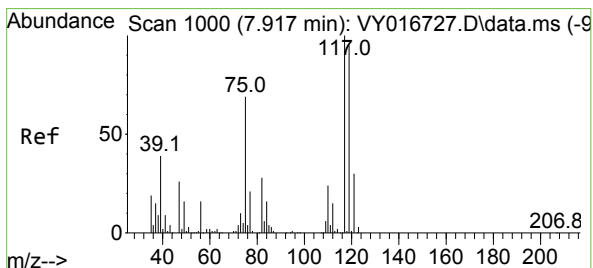
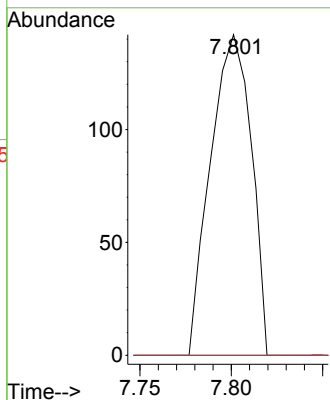
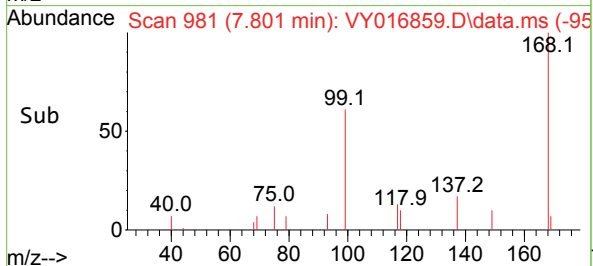


#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY016859.D
 Acq: 26 Dec 2023 17:39

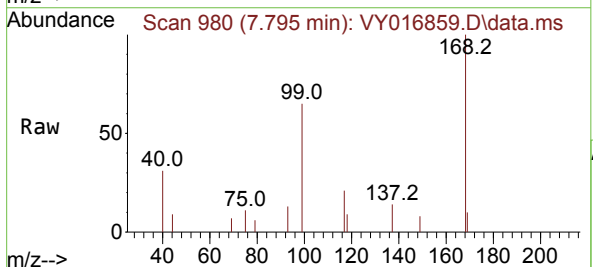
Instrument :
 MSVOA_Y
 ClientSampleId :



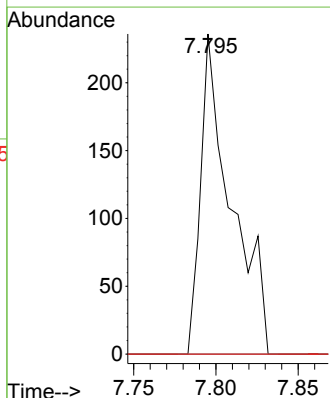
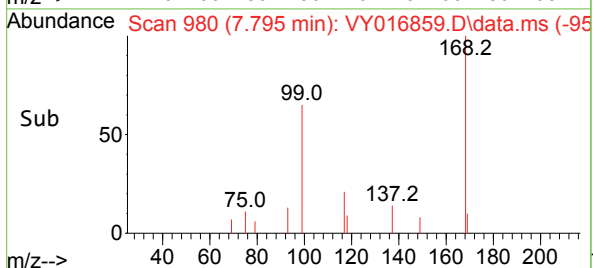
Tgt Ion: 75 Resp: 221
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.3#
 77 0.0 24.7 37.1#

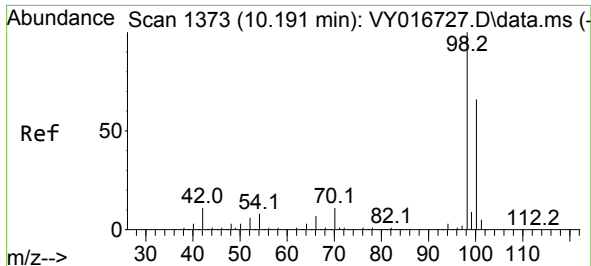


#38
 Carbon Tetrachloride
 Concen: 6.890 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.122 min
 Lab File: VY016859.D
 Acq: 26 Dec 2023 17:39



Tgt Ion: 117 Resp: 305
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.0 114.0#
 121 0.0 24.2 36.2#

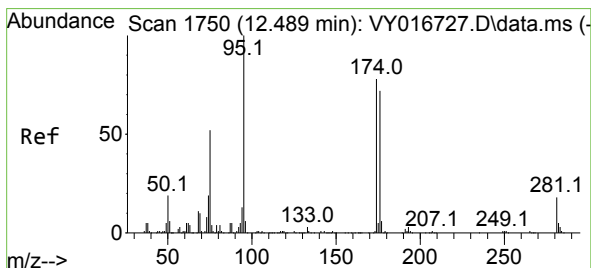
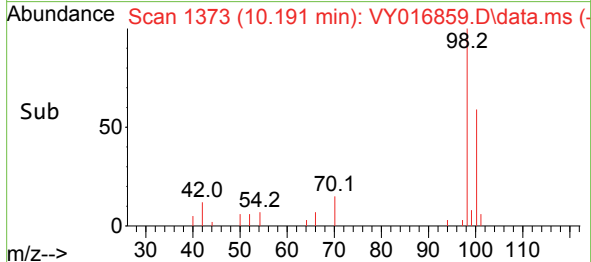
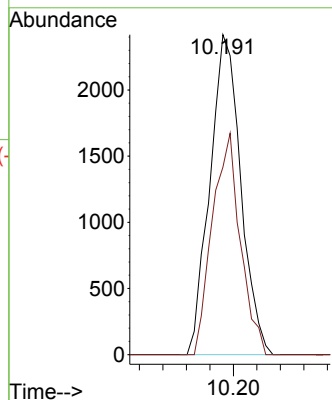
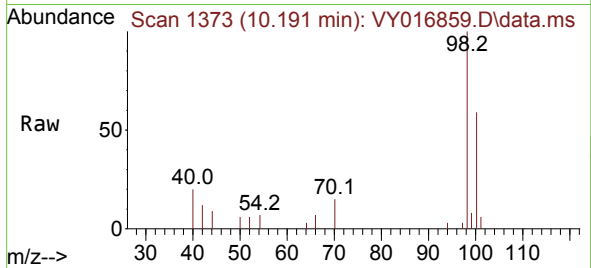




#50
Toluene-d8
Concen: 43.844 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

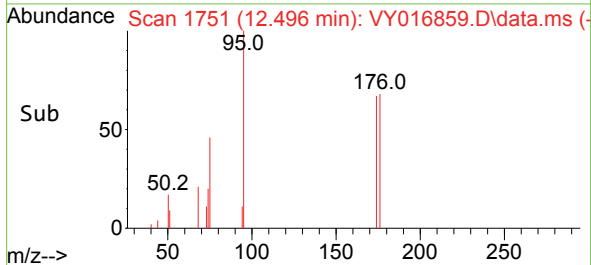
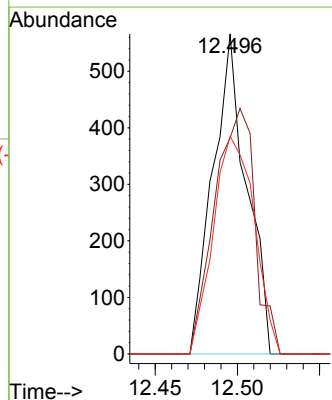
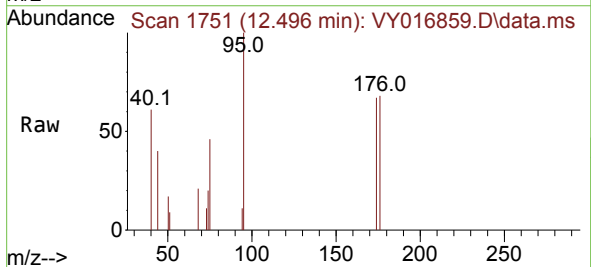
Instrument :
MSVOA_Y
ClientSampleId :

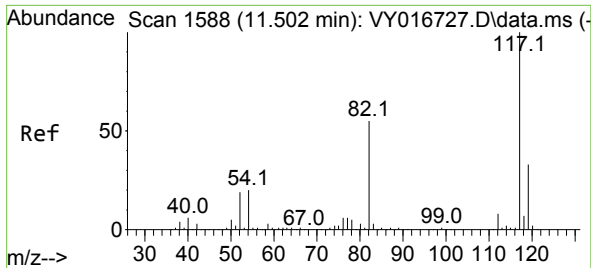
Tgt Ion: 98 Resp: 4410
Ion Ratio Lower Upper
98 100
100 62.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 24.730 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

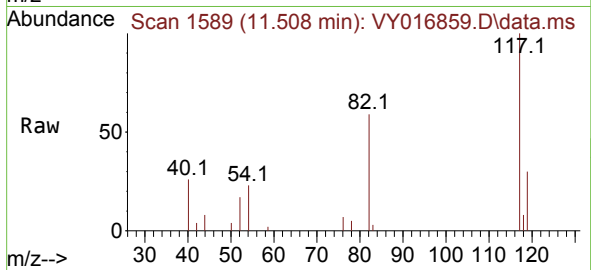
Tgt Ion: 95 Resp: 807
Ion Ratio Lower Upper
95 100
174 91.6 0.0 160.0
176 83.0 0.0 151.8



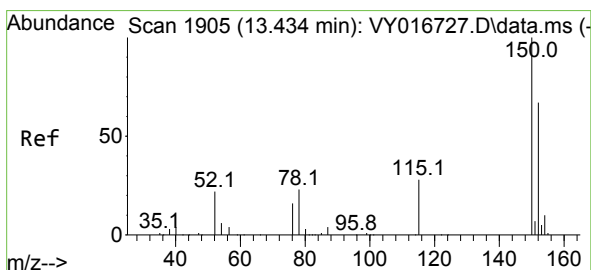
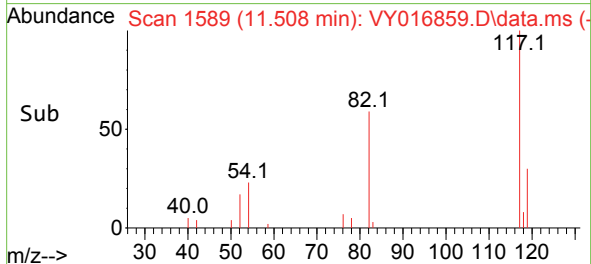
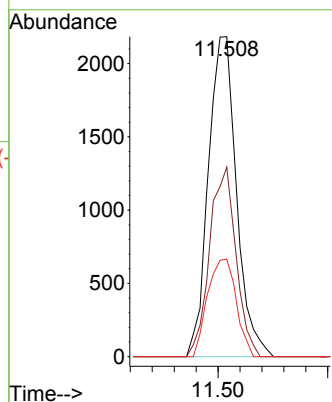


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :

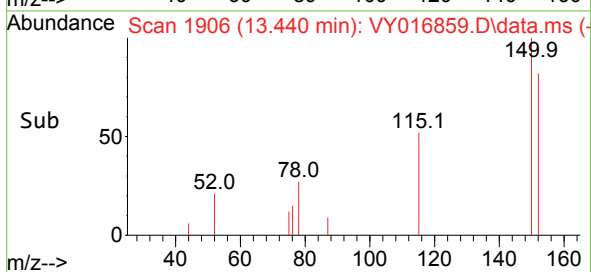
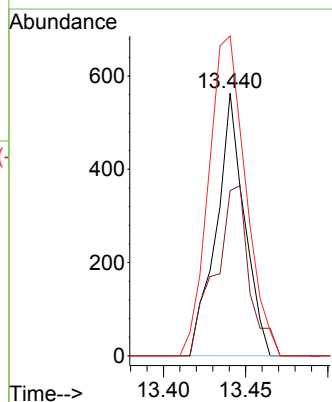
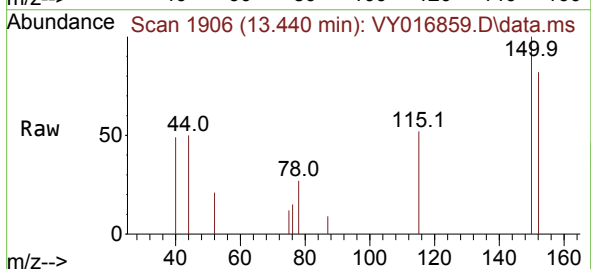


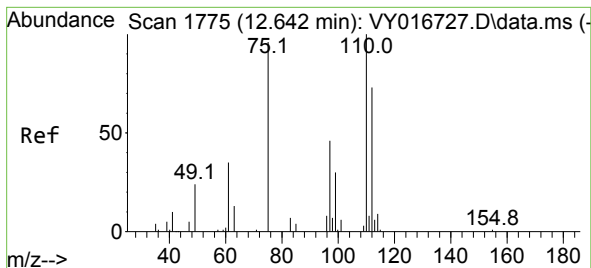
Tgt Ion:117 Resp: 3895
Ion Ratio Lower Upper
117 100
82 59.2 43.8 65.8
119 30.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Tgt Ion:152 Resp: 668
Ion Ratio Lower Upper
152 100
115 78.3 30.0 90.0
150 160.5 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 50.241 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

Instrument :

MSVOA_Y

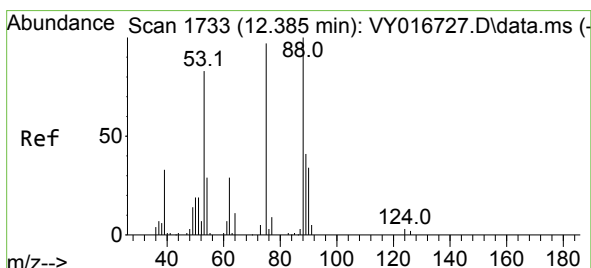
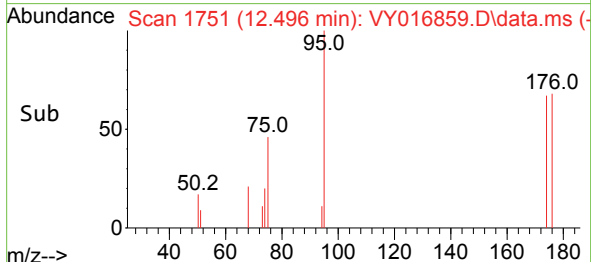
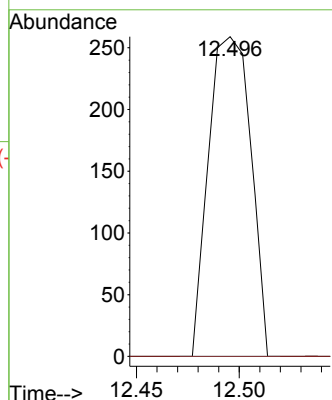
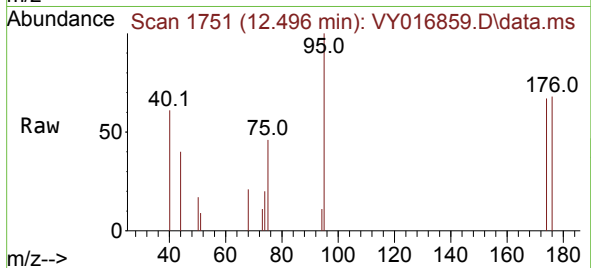
ClientSampleId :

Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 117.988 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

