

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015992.D
 Acq On : 16 Oct 2023 18:14
 Operator : SY/MD
 Sample : 04890-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 05:46:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	43003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	69605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	62302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	28753	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	26269	53.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.040%
35) Dibromofluoromethane	7.734	113	23494	53.615	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.220%
50) Toluene-d8	10.191	98	79849	48.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.489	95	25288	43.276	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.560%

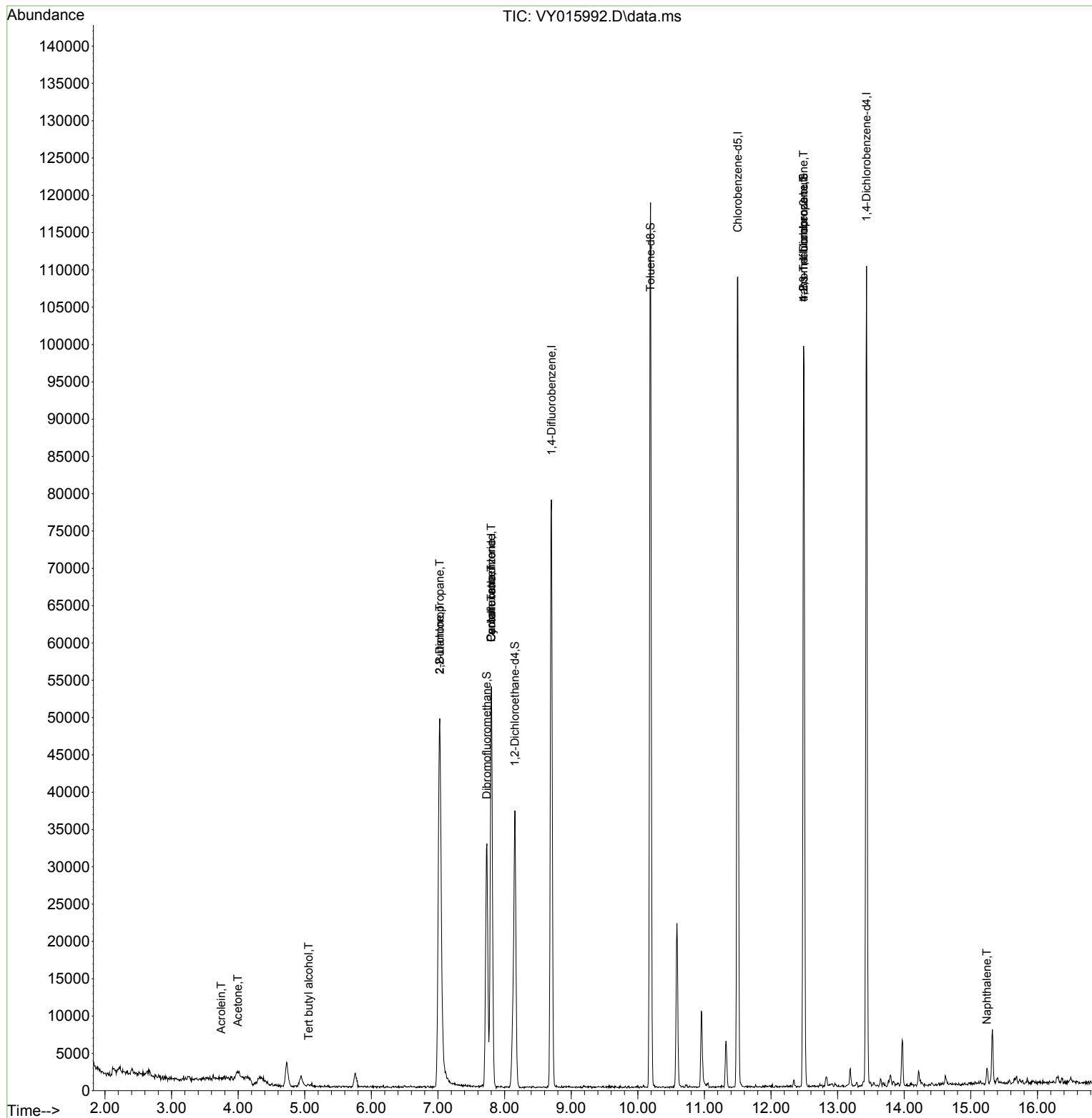
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.119	50	397	Below Cal		97
11) Tert butyl alcohol	5.058	59	818	2.873	ug/l #	89
13) Acrolein	3.747	56	138	1.489	ug/l #	14
16) Acetone	3.997	43	2759	9.678	ug/l	100
25) 2-Butanone	7.027	43	2868	6.912	ug/l #	79
26) 2,2-Dichloropropane	7.027	77	4152	5.988	ug/l #	54
31) Cyclohexane	7.801	56	940	1.203	ug/l #	21
38) Carbon Tetrachloride	7.801	117	4338	6.230	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	13090	23.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	13090	54.800	ug/l #	11
95) Naphthalene	15.239	128	2232	1.137	ug/l	97

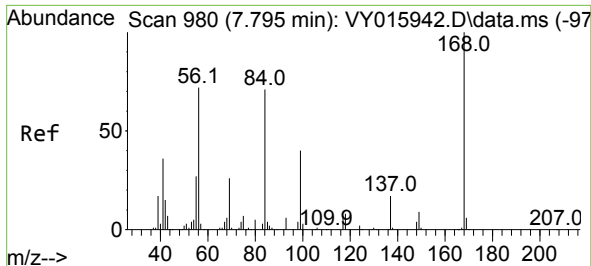
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 13 13:13:02 2023
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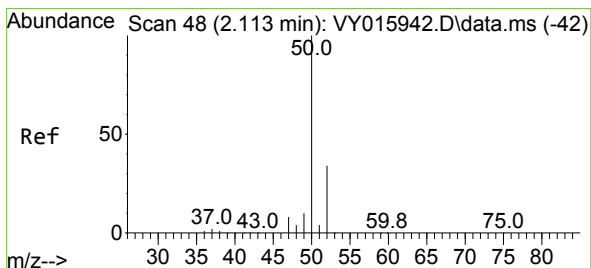
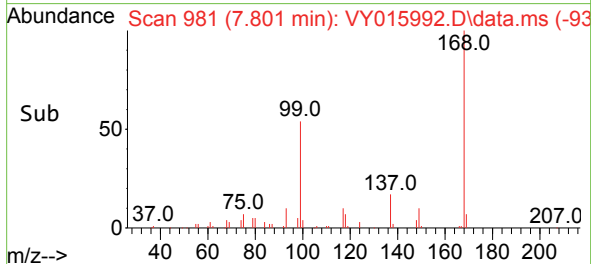
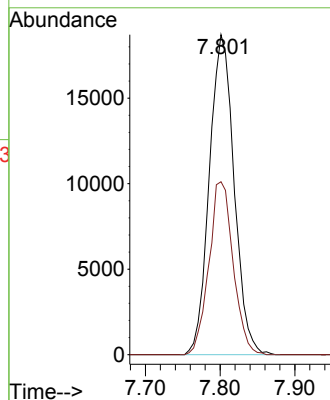
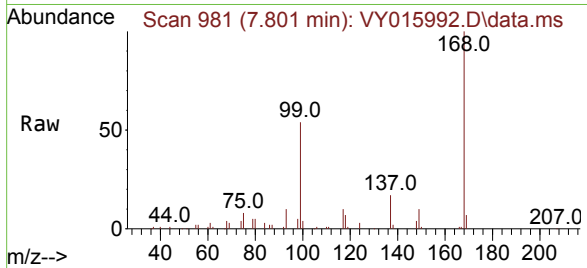




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

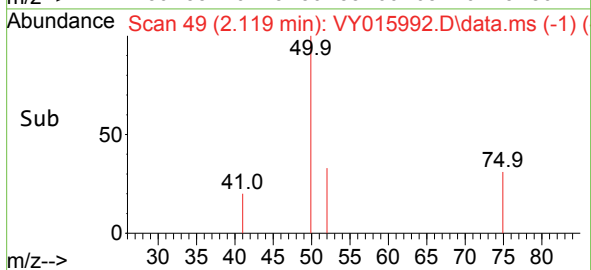
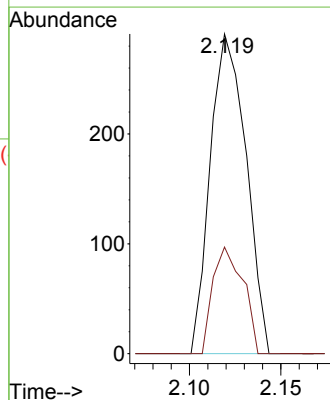
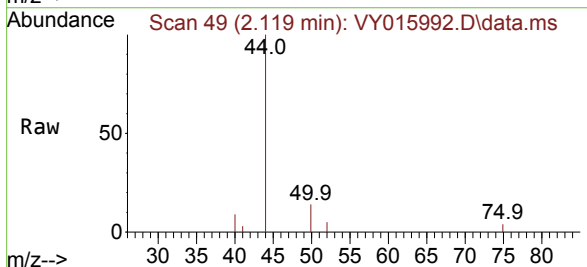
Instrument :
MSVOA_Y
ClientSampleId :

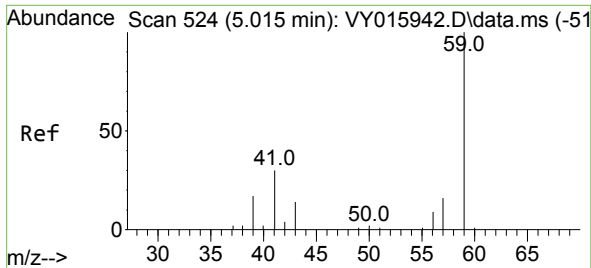
Tgt Ion:168 Resp: 43003
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

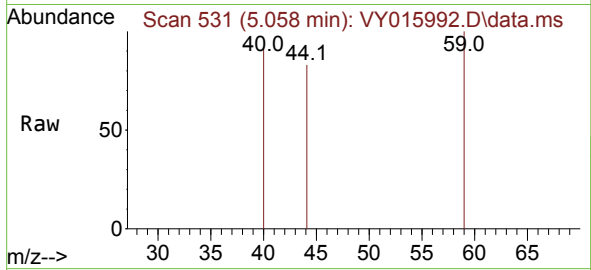
Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.2



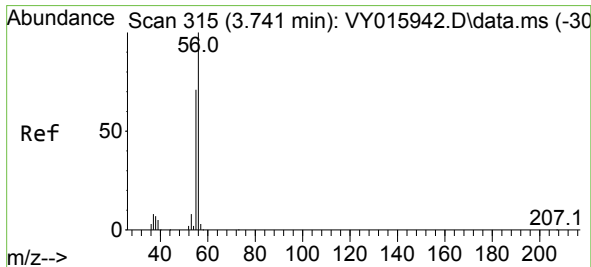
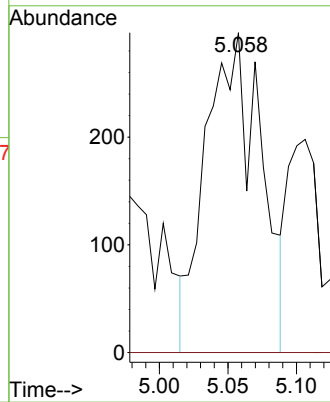
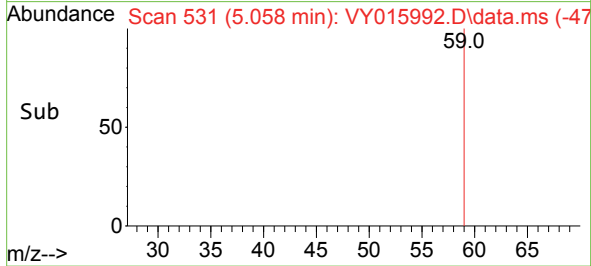


#11
Tert butyl alcohol
Concen: 2.873 ug/l
RT: 5.058 min Scan# 51
Delta R.T. 0.043 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

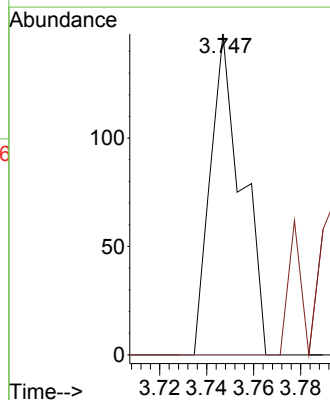
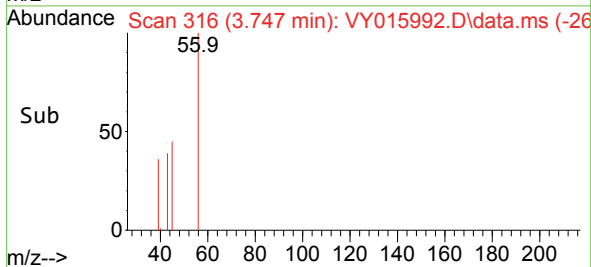
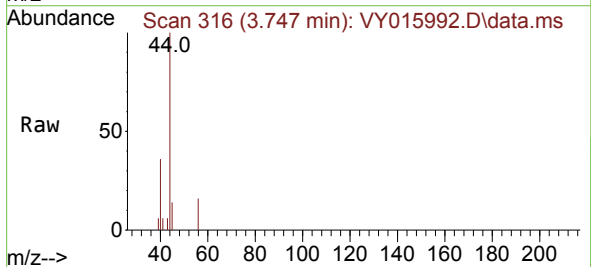


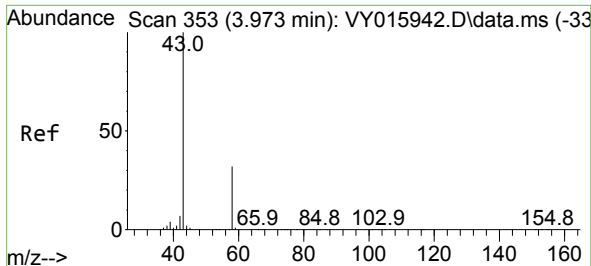
Tgt Ion: 59 Resp: 818
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 1.489 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 9.678 ug/l

RT: 3.997 min Scan# 357

Delta R.T. 0.024 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

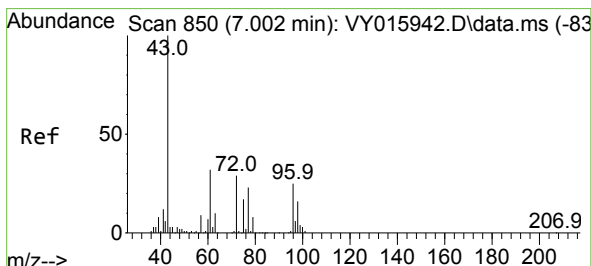
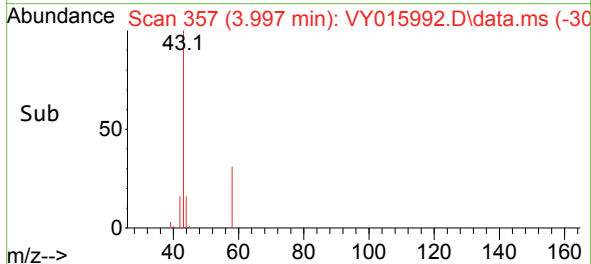
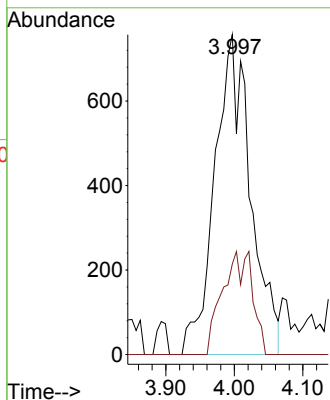
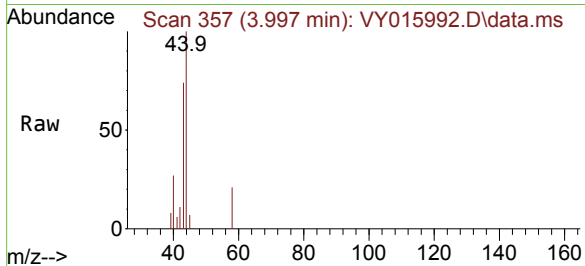
ClientSampleId :

Tgt Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

58 28.3 22.7 34.1



#25

2-Butanone

Concen: 6.912 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.024 min

Lab File: VY015992.D

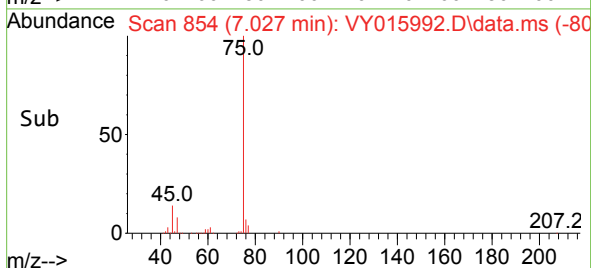
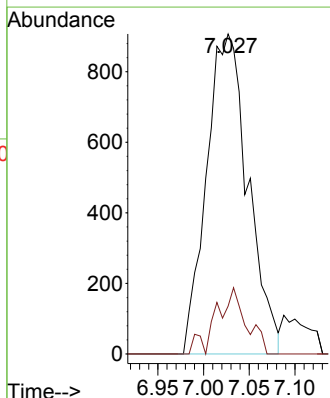
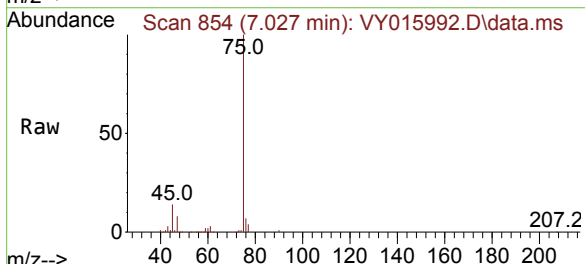
Acq: 16 Oct 2023 18:14

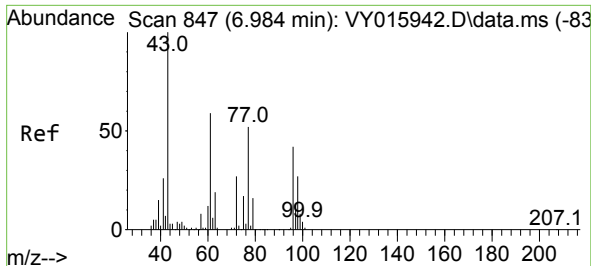
Tgt Ion: 43 Resp: 2868

Ion Ratio Lower Upper

43 100

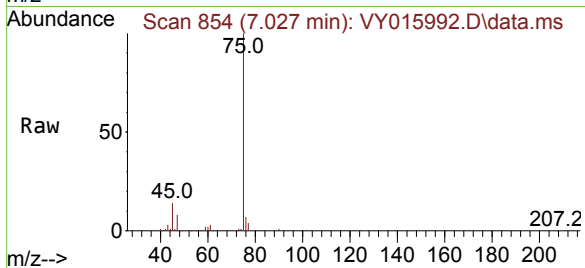
72 15.0 20.5 30.7#



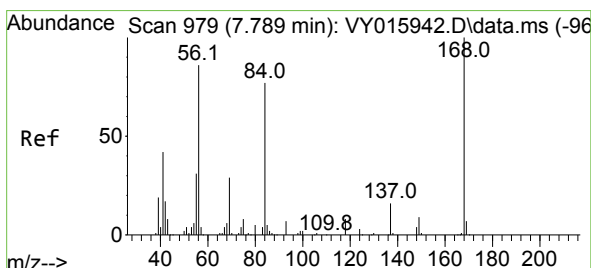
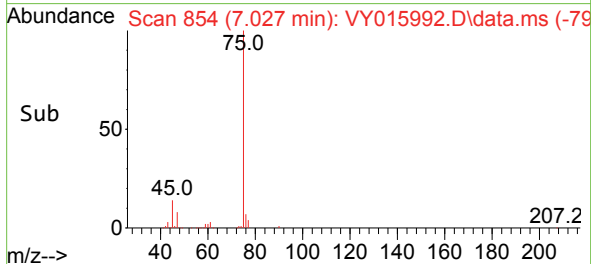
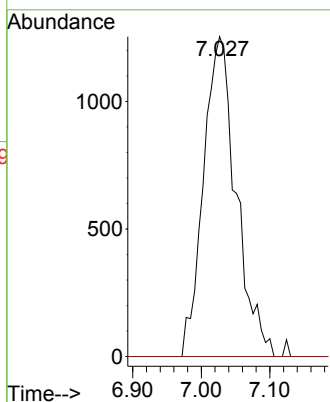


#26
2,2-Dichloropropane
Concen: 5.988 ug/l
RT: 7.027 min Scan# 81
Delta R.T. 0.043 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

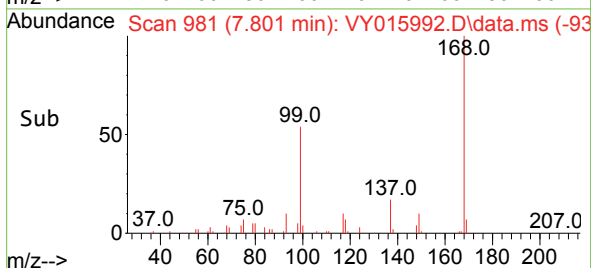
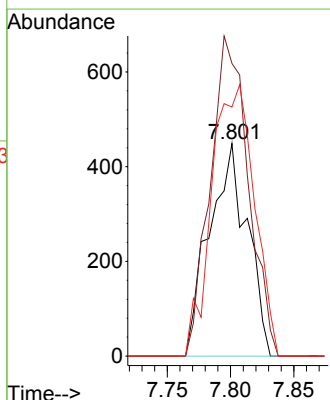
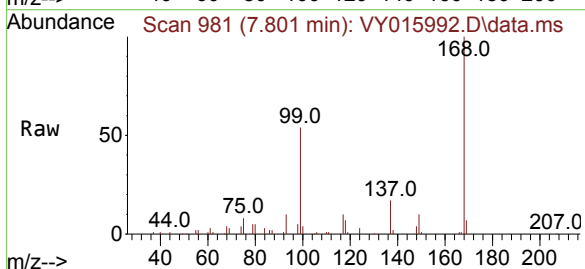


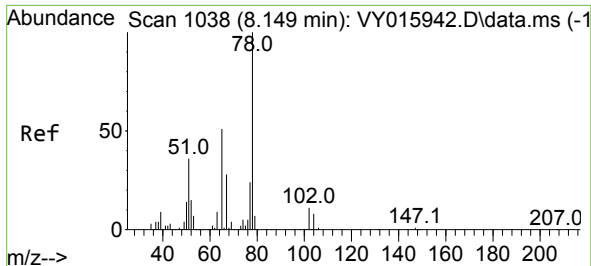
Tgt Ion: 77 Resp: 4152
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 56 Resp: 940
Ion Ratio Lower Upper
56 100
69 137.6 27.8 41.6#
84 117.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.525 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

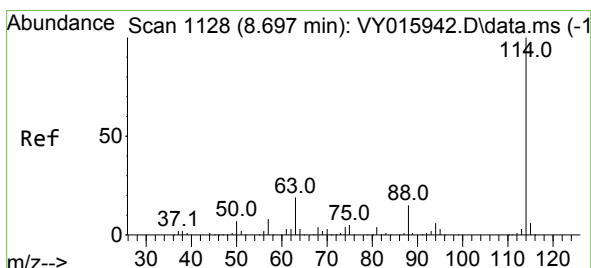
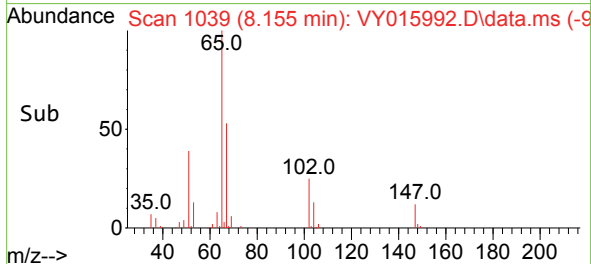
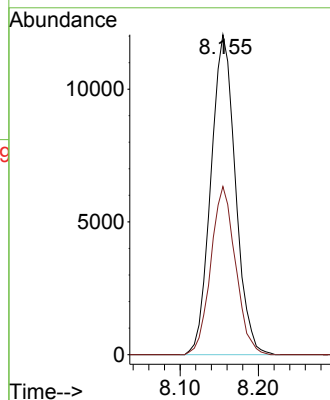
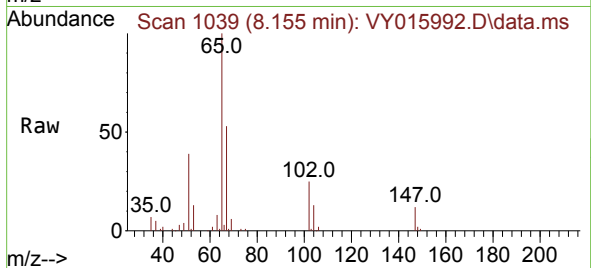
ClientSampleId :

Tgt Ion: 65 Resp: 26269

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

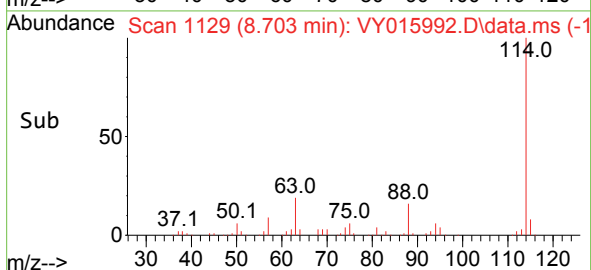
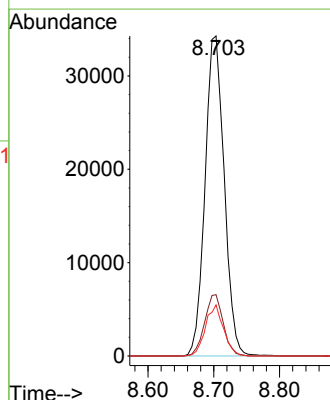
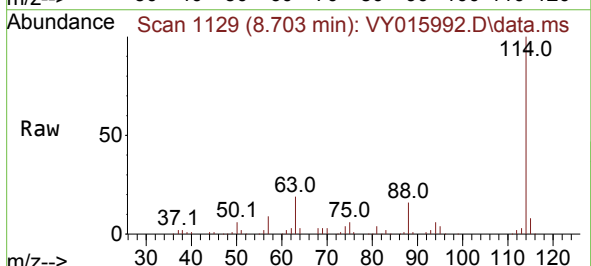
Tgt Ion: 114 Resp: 69605

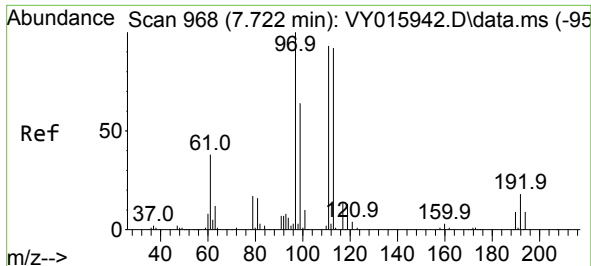
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

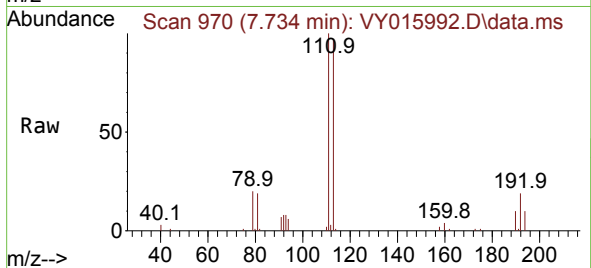
88 16.0 0.0 30.6



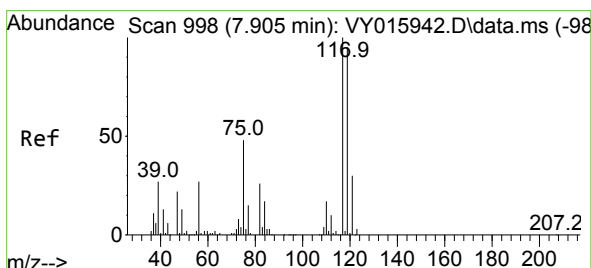
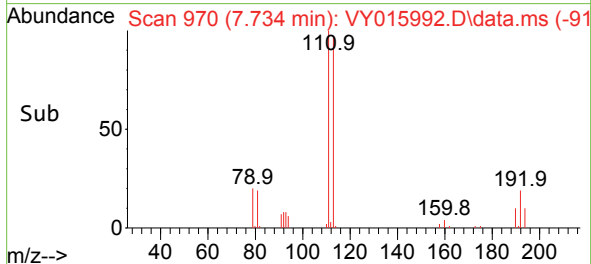
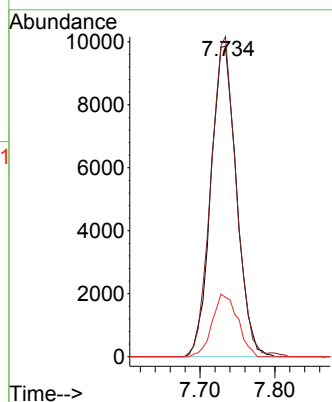


#35
Dibromofluoromethane
Concen: 53.615 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

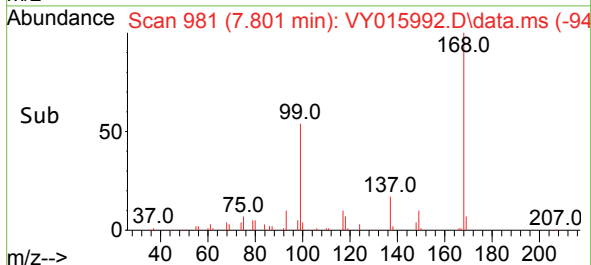
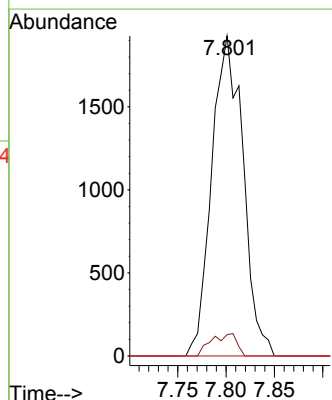
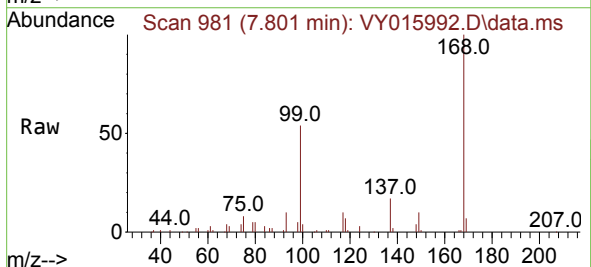


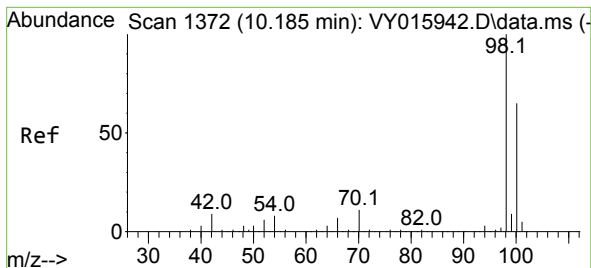
Tgt Ion:113 Resp: 23494
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 20.0 16.9 25.3



#38
Carbon Tetrachloride
Concen: 6.230 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion:117 Resp: 4338
Ion Ratio Lower Upper
117 100
119 6.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.658 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

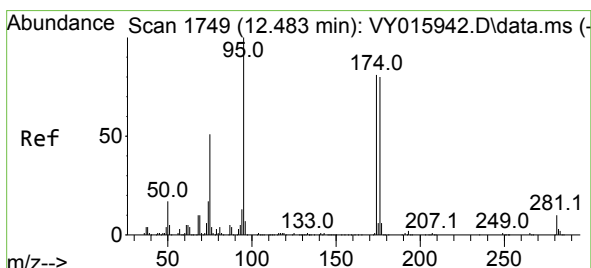
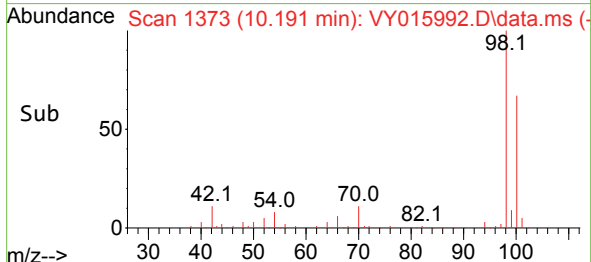
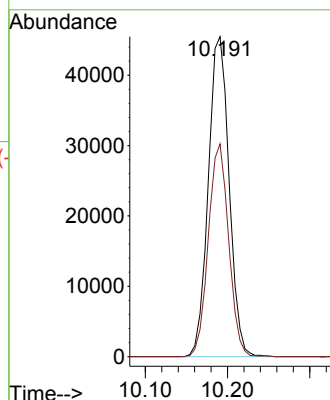
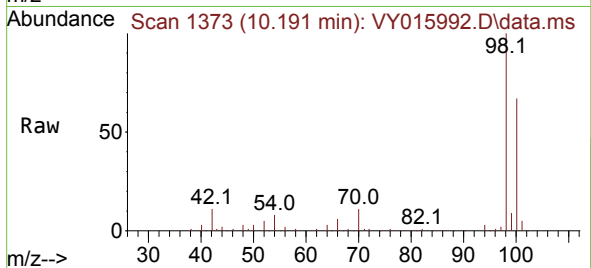
ClientSampleId :

Tgt Ion: 98 Resp: 79849

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.276 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

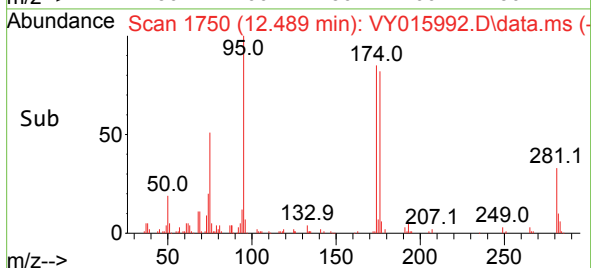
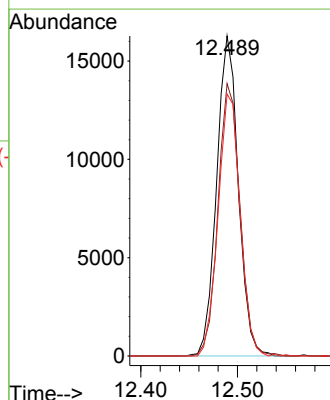
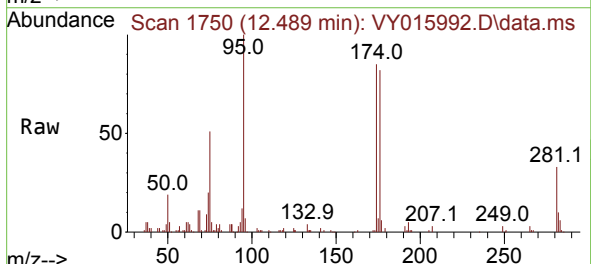
Tgt Ion: 95 Resp: 25288

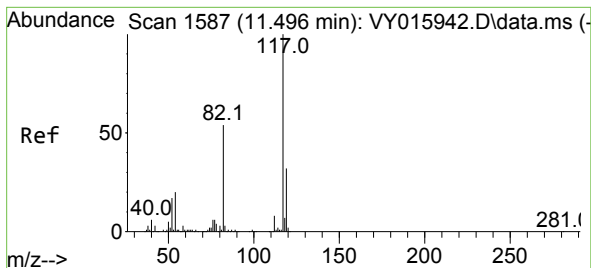
Ion Ratio Lower Upper

95 100

174 86.2 0.0 178.2

176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

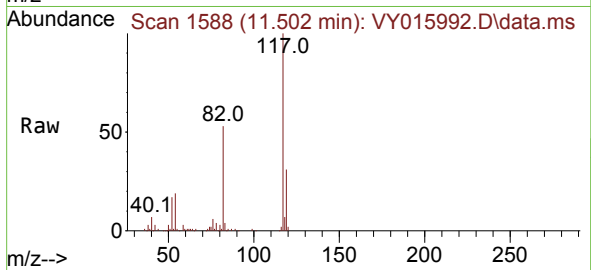
Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :



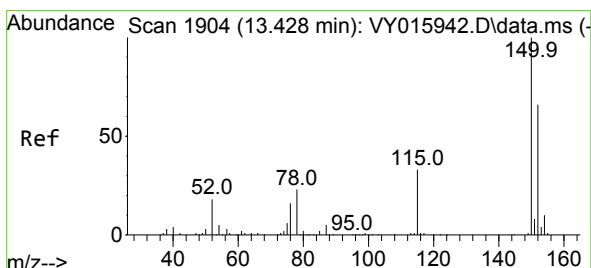
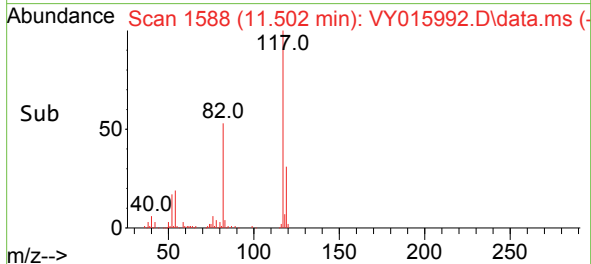
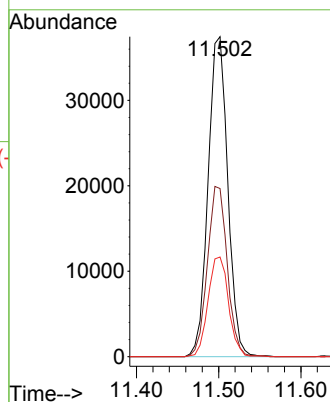
Tgt Ion:117 Resp: 62302

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

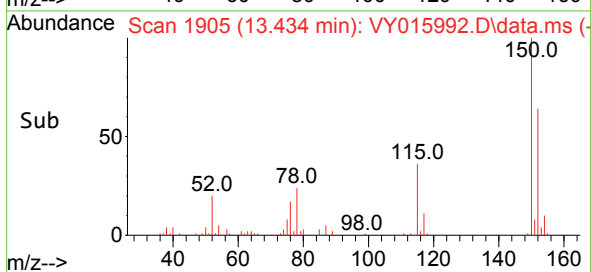
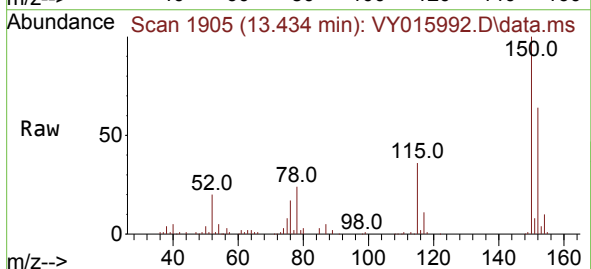
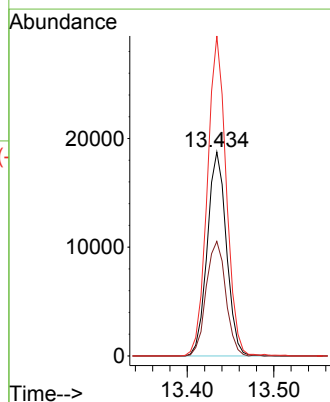
Tgt Ion:152 Resp: 28753

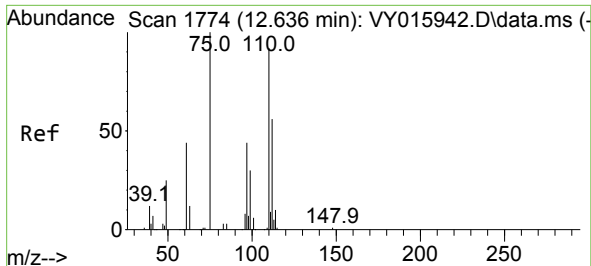
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.1 0.0 348.8

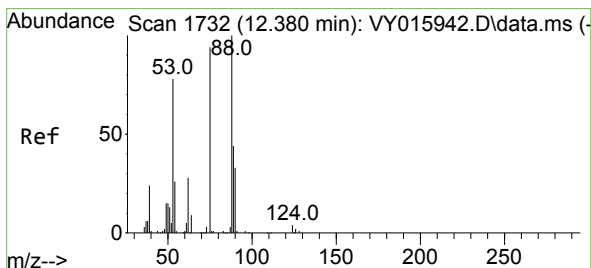
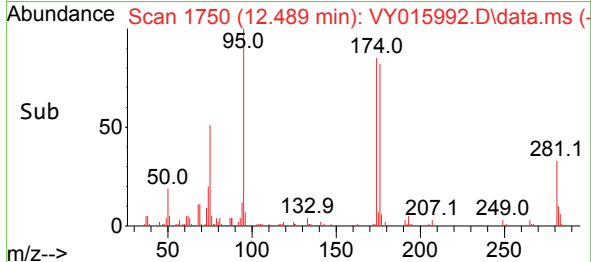
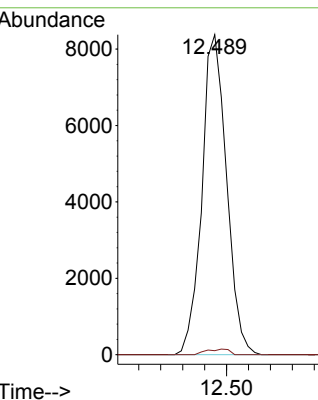
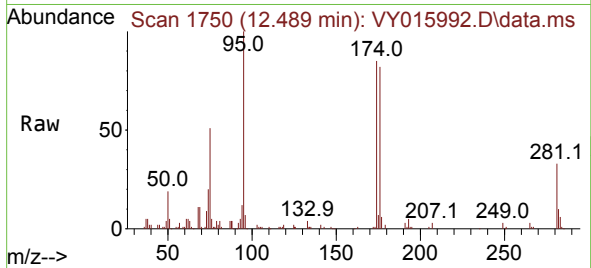




#76
1,2,3-Trichloropropane
Concen: 23.263 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

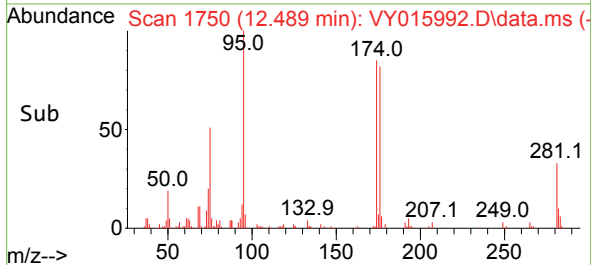
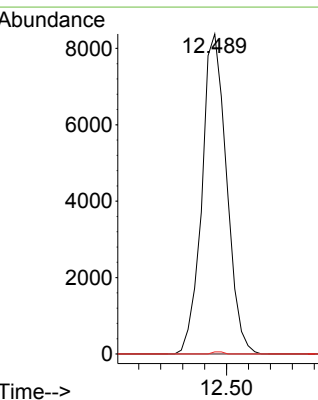
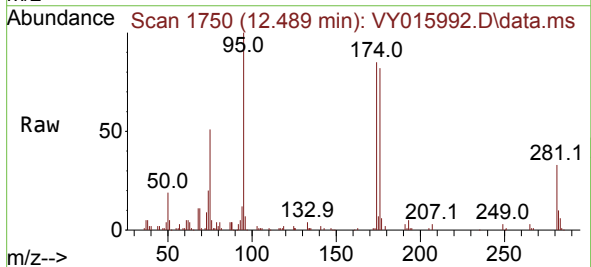
Instrument :
MSVOA_Y
ClientSampleId :

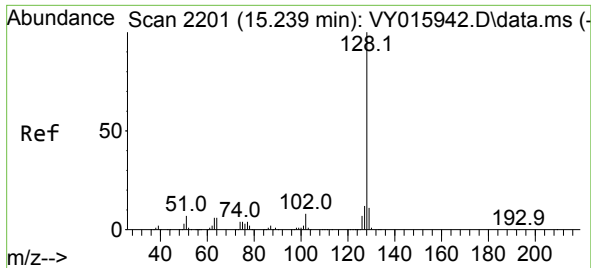
Tgt Ion: 75 Resp: 13090
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.800 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 75 Resp: 13090
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#





#95

Naphthalene

Concen: 1.137 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

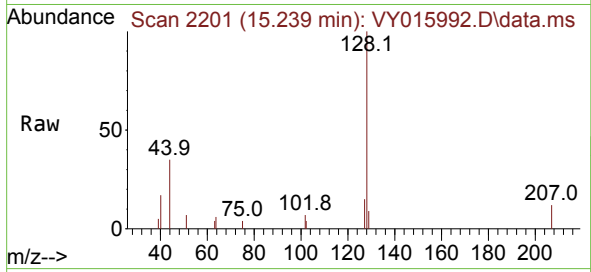
Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 2232

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 9.5 8.6 13.0

