

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015966.D
 Acq On : 13 Oct 2023 18:36
 Operator : SY/MD
 Sample : 04878-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:51:04 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	59004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	99169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	97391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	49093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	45947	68.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.460%
35) Dibromofluoromethane	7.728	113	34600	55.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.840%
50) Toluene-d8	10.191	98	117718	50.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.489	95	43909	52.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.480%

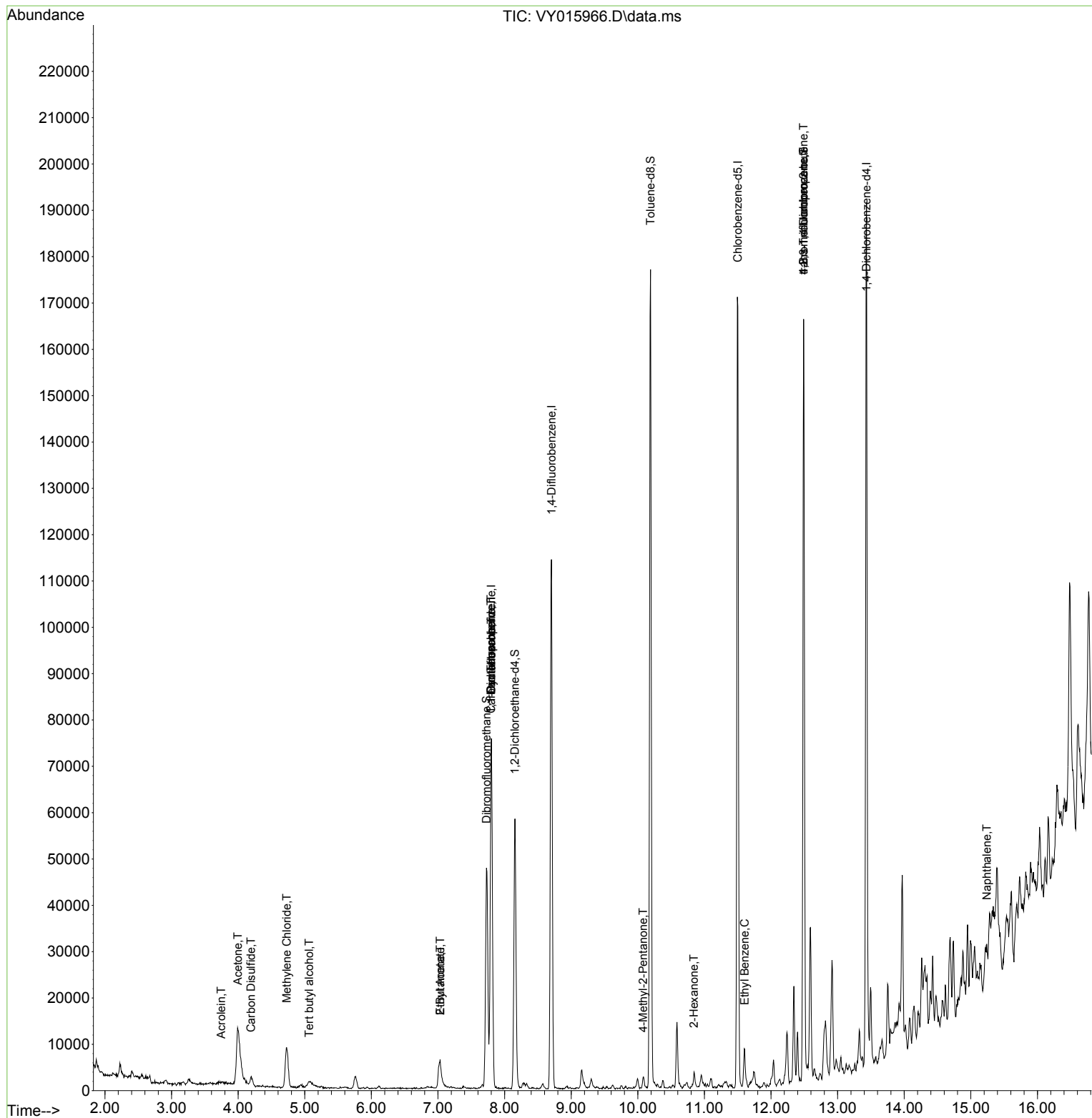
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.119	50	436	Below Cal	#	84
11) Tert butyl alcohol	5.064	59	3426	8.769	ug/l #	92
13) Acrolein	3.747	56	788	6.196	ug/l #	44
16) Acetone	3.997	43	33318	85.175	ug/l	92
17) Carbon Disulfide	4.192	76	3752	2.139	ug/l	96
20) Methylene Chloride	4.729	84	6641	5.168	ug/l	86
25) 2-Butanone	7.033	43	7977	14.012	ug/l	98
31) Cyclohexane	7.801	56	1366	1.274	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	4331	4.598	ug/l #	49
37) Ethyl Acetate	7.033	43	7977	5.488	ug/l #	71
38) Carbon Tetrachloride	7.795	117	5958	6.006	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	1914	1.663	ug/l	100
59) 2-Hexanone	10.843	43	2844	2.895	ug/l	87
67) Ethyl Benzene	11.605	91	5191	1.455	ug/l	95
76) 1,2,3-Trichloropropane	12.489	75	23175	24.122	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	23175	56.823	ug/l #	11
95) Naphthalene	15.239	128	5775	1.723	ug/l #	89

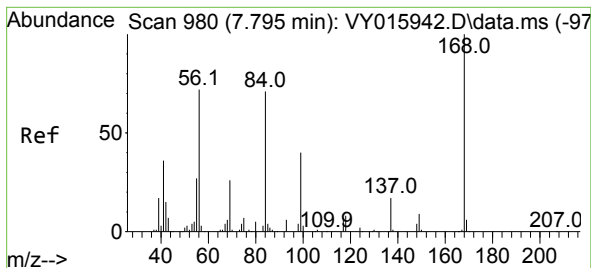
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 14 01:51:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

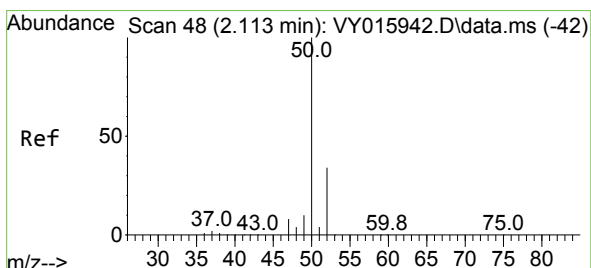
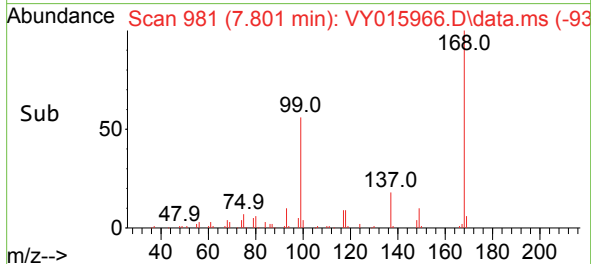
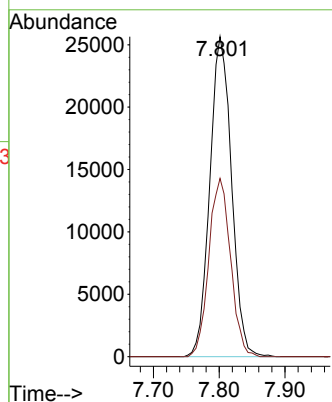
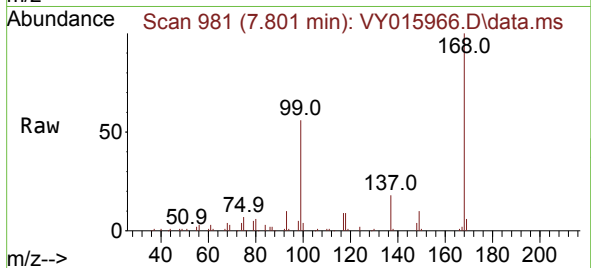
ClientSampleId :

Tgt Ion:168 Resp: 59004

Ion Ratio Lower Upper

168 100

99 55.7 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY015966.D

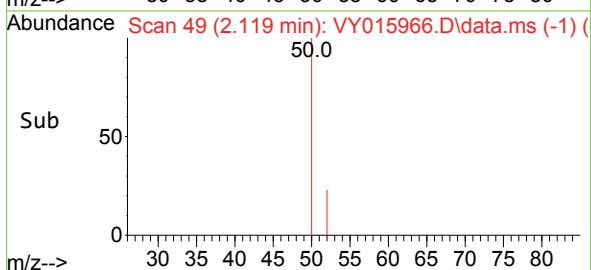
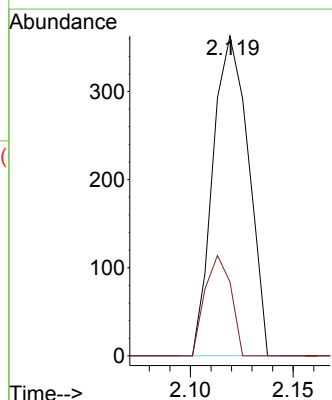
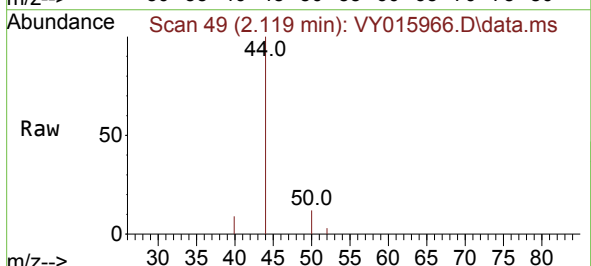
Acq: 13 Oct 2023 18:36

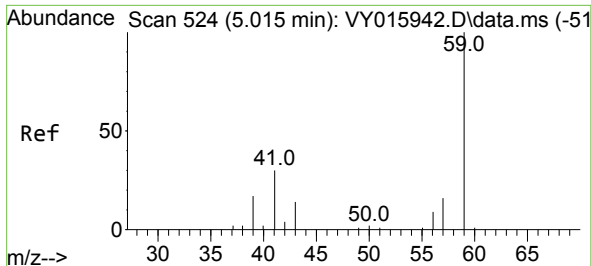
Tgt Ion: 50 Resp: 436

Ion Ratio Lower Upper

50 100

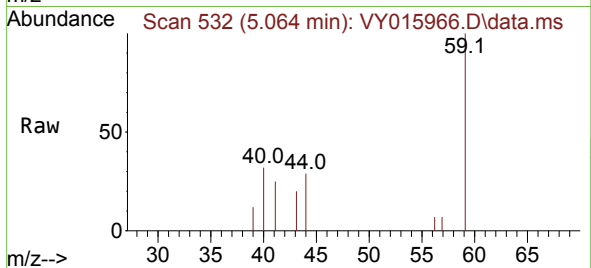
52 23.1 25.4 38.2#



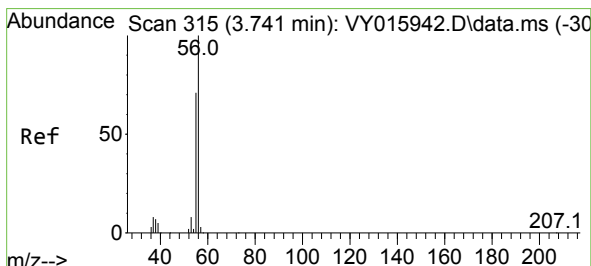
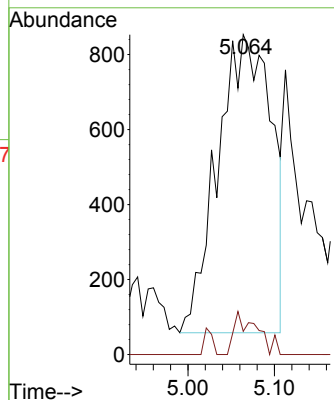
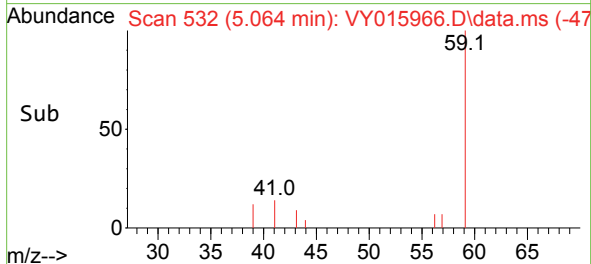


#11
Tert butyl alcohol
Concen: 8.769 ug/l
RT: 5.064 min Scan# 51
Delta R.T. 0.049 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

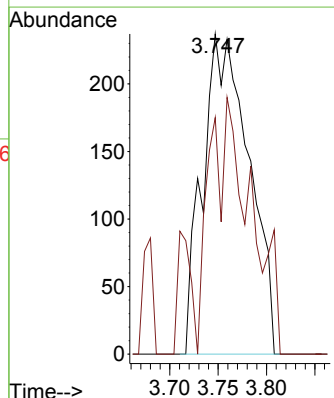
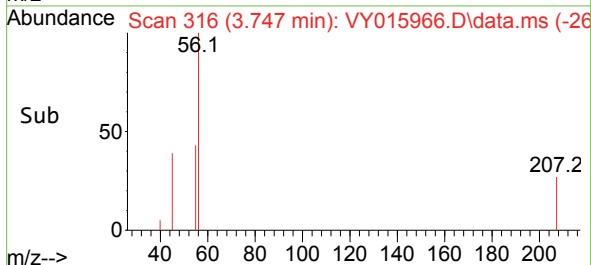
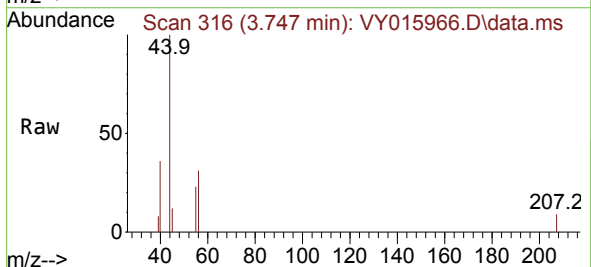


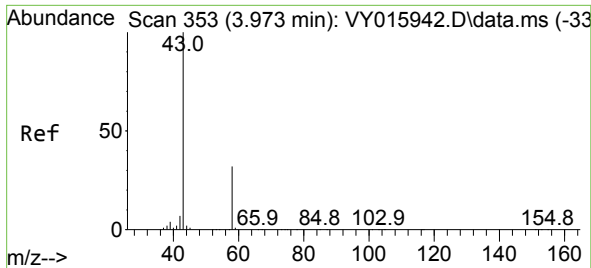
Tgt Ion: 59 Resp: 3426
Ion Ratio Lower Upper
59 100
57 6.2 3.0 4.4#



#13
Acrolein
Concen: 6.196 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 56 Resp: 788
Ion Ratio Lower Upper
56 100
55 24.5 57.0 85.4#





#16

Acetone

Concen: 85.175 ug/l

RT: 3.997 min Scan# 3

Delta R.T. 0.024 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

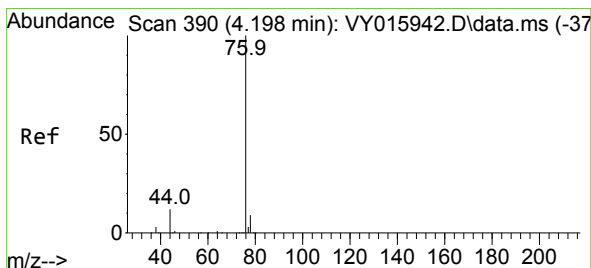
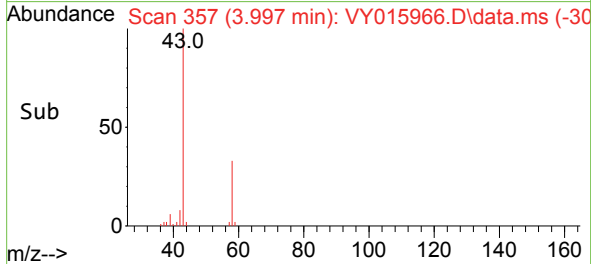
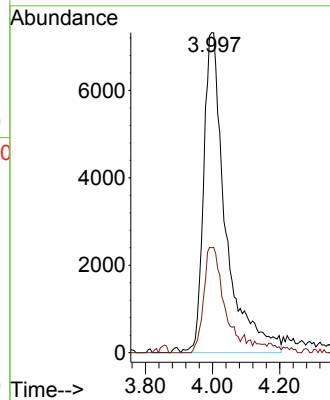
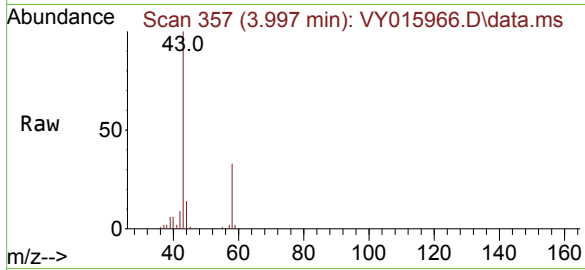
ClientSampleId :

Tgt Ion: 43 Resp: 33318

Ion Ratio Lower Upper

43 100

58 32.8 22.7 34.1



#17

Carbon Disulfide

Concen: 2.139 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.006 min

Lab File: VY015966.D

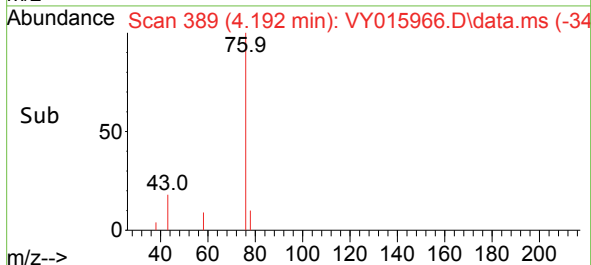
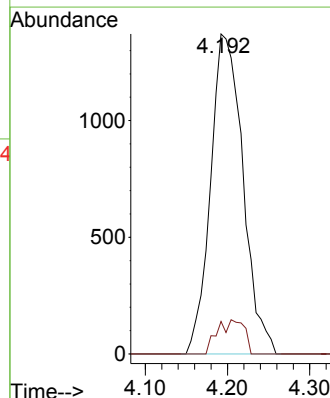
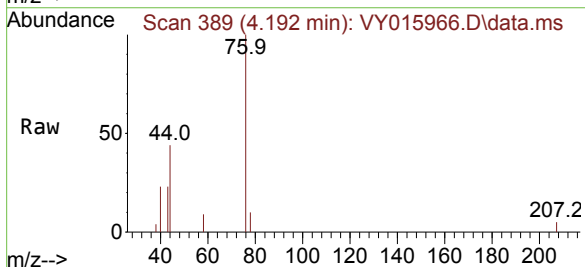
Acq: 13 Oct 2023 18:36

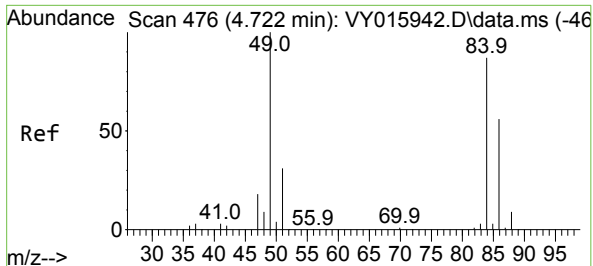
Tgt Ion: 76 Resp: 3752

Ion Ratio Lower Upper

76 100

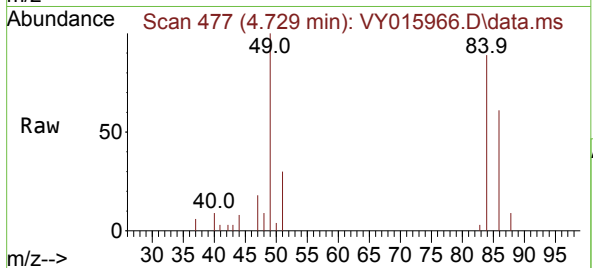
78 10.1 7.0 10.4



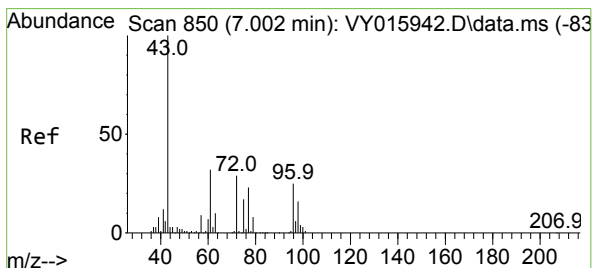
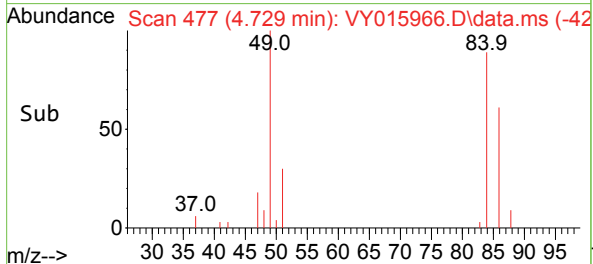
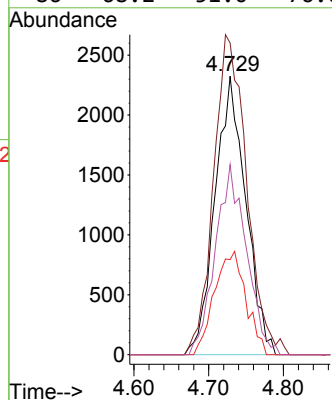


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

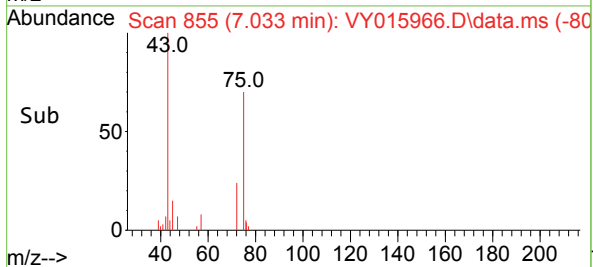
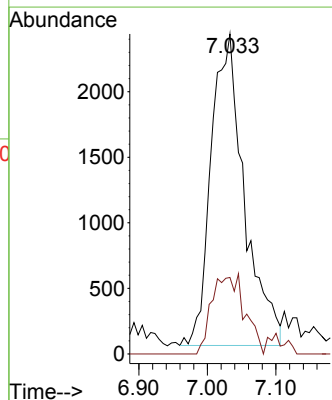
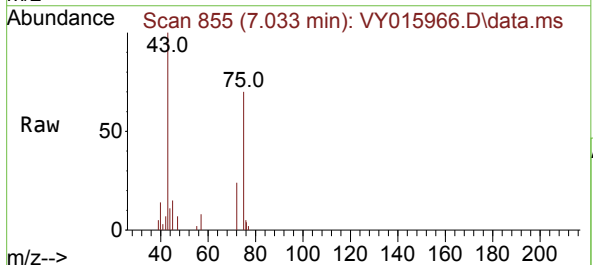


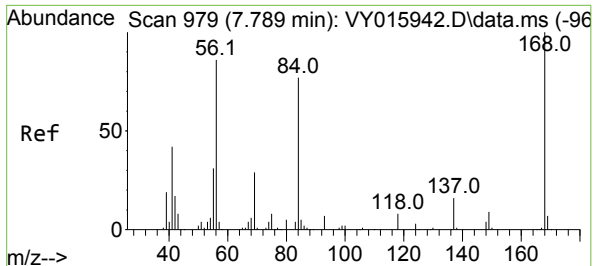
Tgt Ion: 84 Resp: 6641
Ion Ratio Lower Upper
84 100
49 111.9 106.9 160.3
51 34.1 33.2 49.8
86 68.2 51.0 76.6



#25
2-Butanone
Concen: 14.012 ug/l
RT: 7.033 min Scan# 855
Delta R.T. 0.031 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

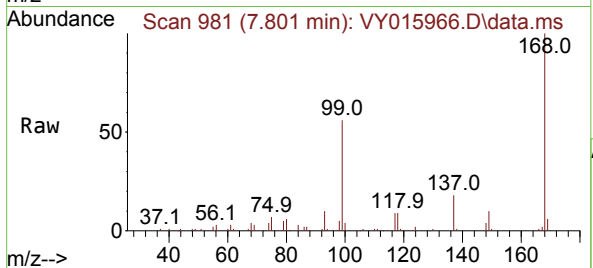
Tgt Ion: 43 Resp: 7977
Ion Ratio Lower Upper
43 100
72 24.5 20.5 30.7



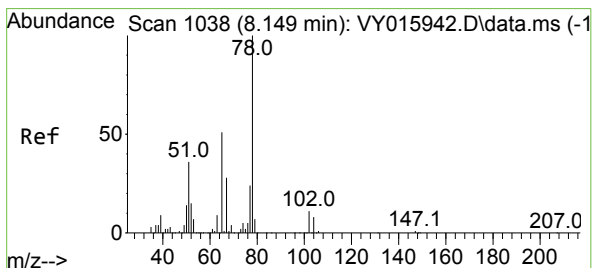
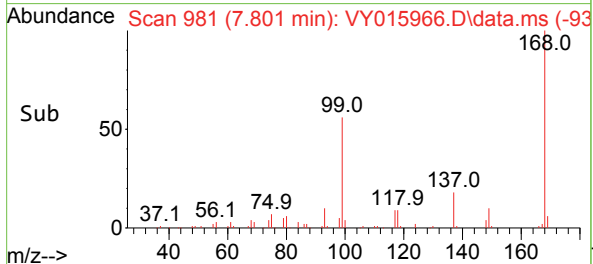
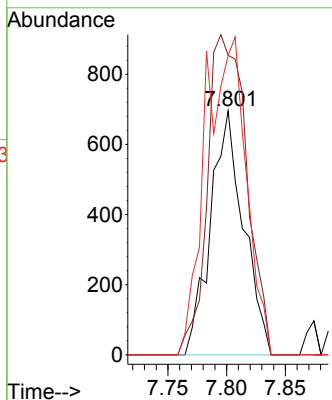


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

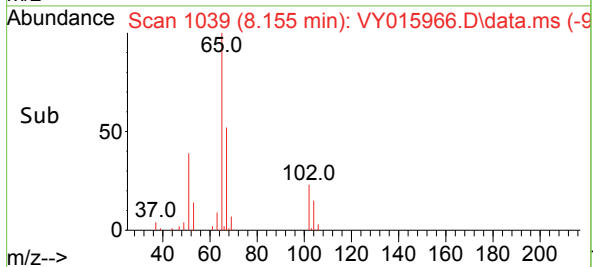
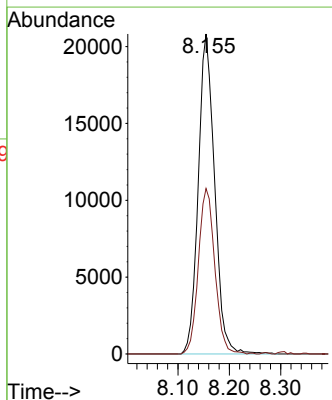
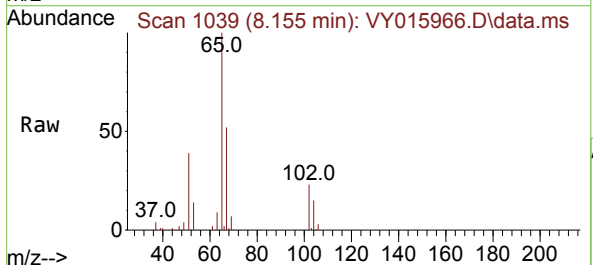


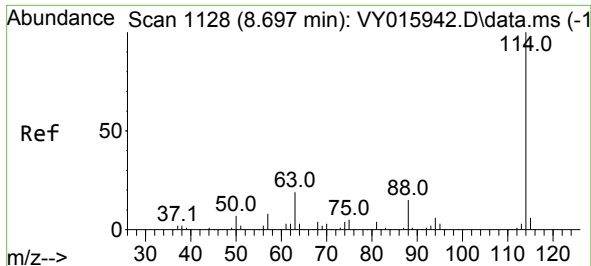
Tgt Ion: 56 Resp: 1366
Ion Ratio Lower Upper
56 100
69 122.7 27.8 41.6#
84 122.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 68.231 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 65 Resp: 45947
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8

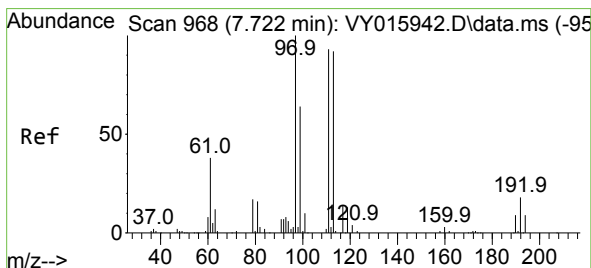
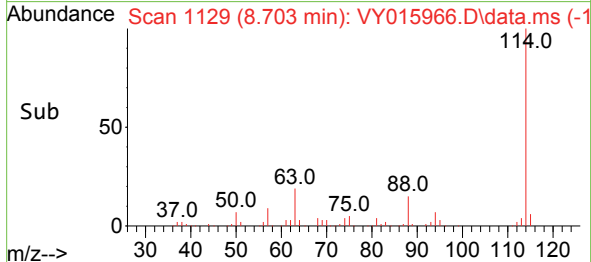
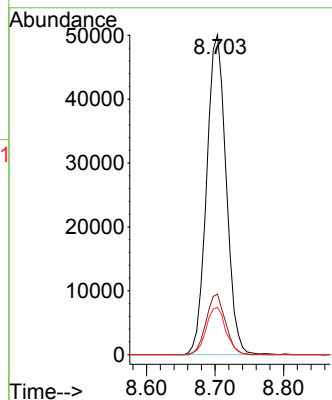
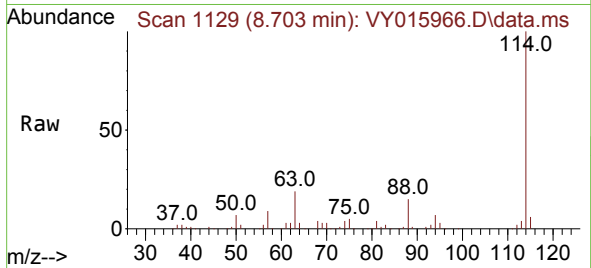




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

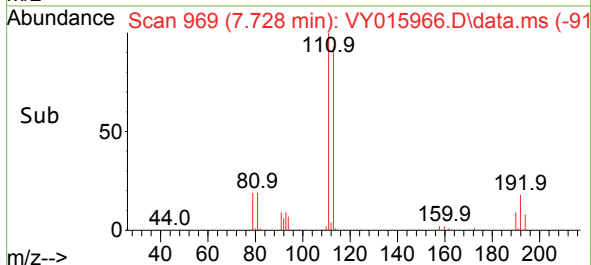
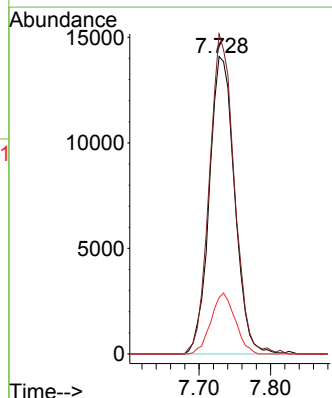
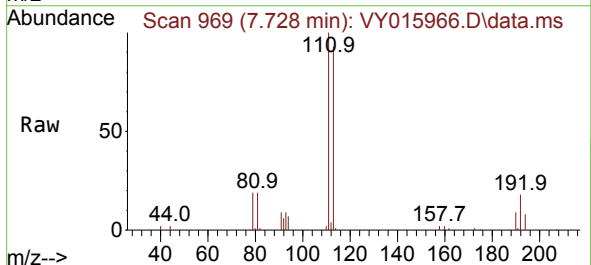
Instrument :
MSVOA_Y
ClientSampleId :

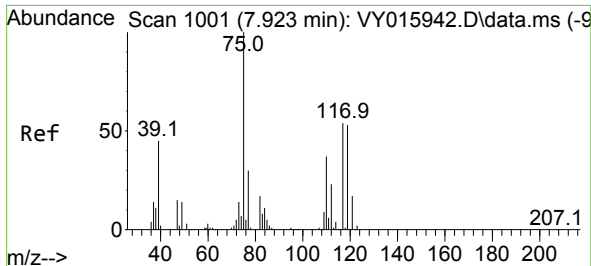
Tgt Ion:114 Resp: 99169
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.420 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion:113 Resp: 34600
Ion Ratio Lower Upper
113 100
111 106.0 81.3 121.9
192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

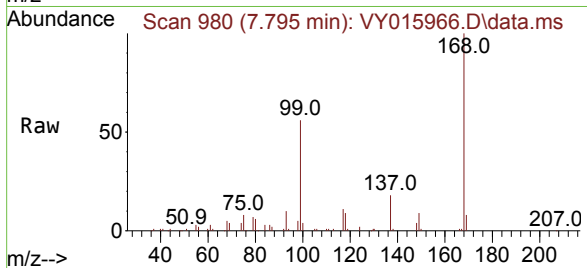
Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :



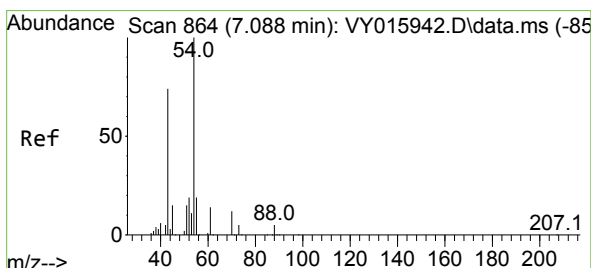
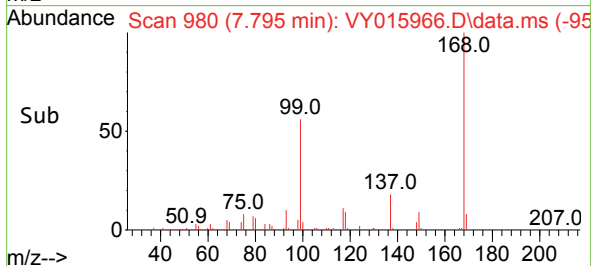
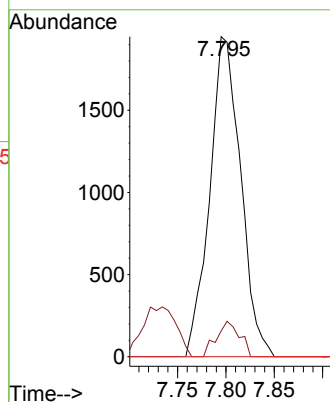
Tgt Ion: 75 Resp: 4331

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 5.488 ug/l

RT: 7.033 min Scan# 855

Delta R.T. -0.055 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

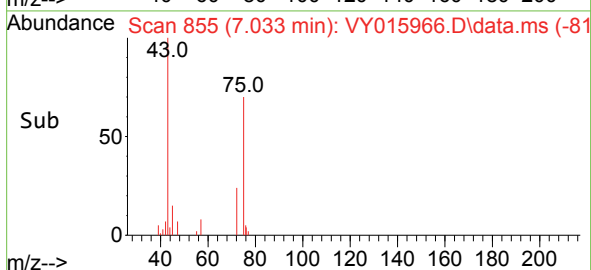
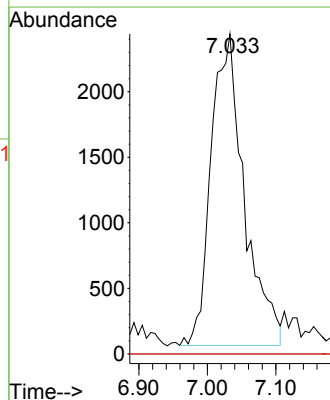
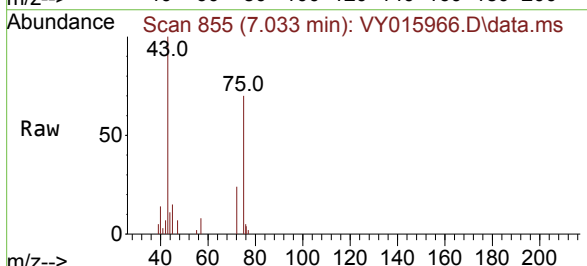
Tgt Ion: 43 Resp: 7977

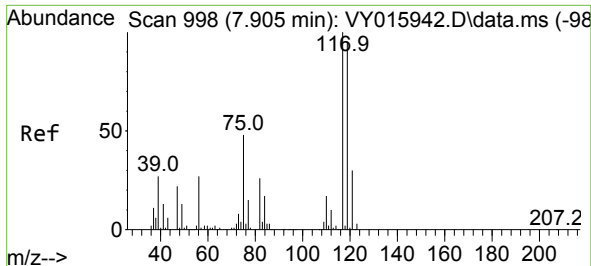
Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

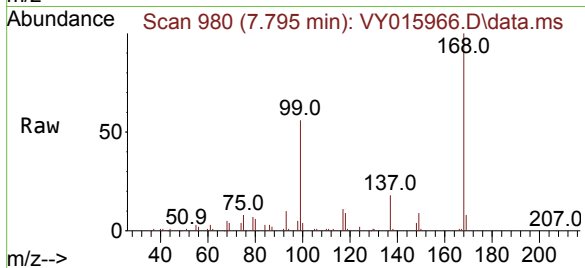
70 0.0 7.1 10.7#



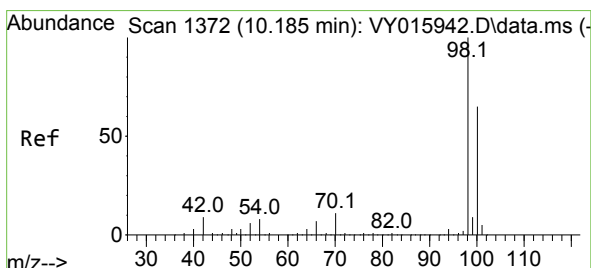
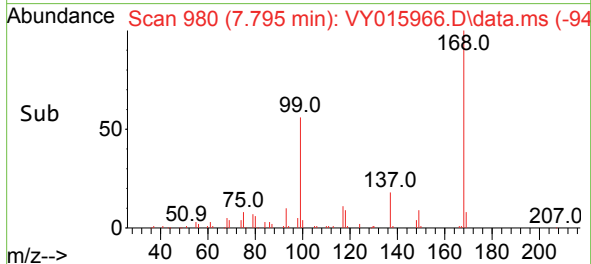
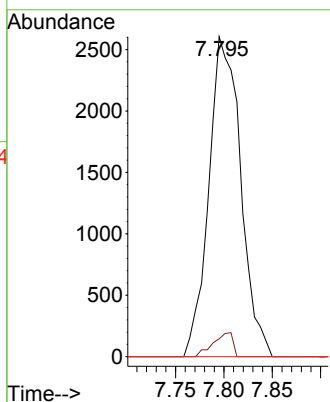


#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

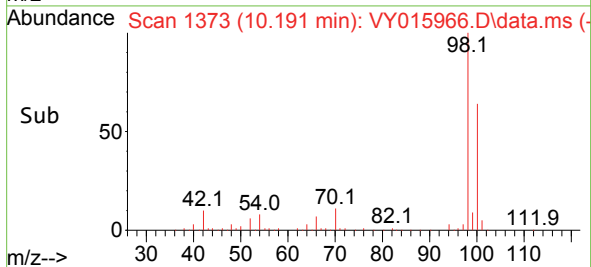
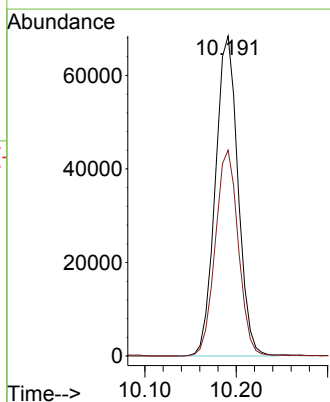
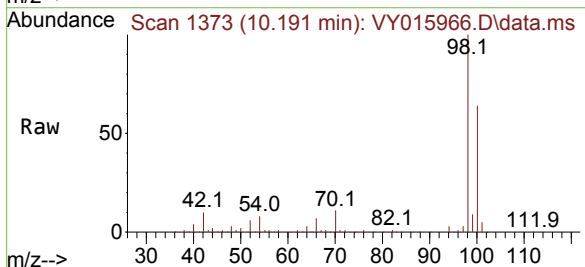


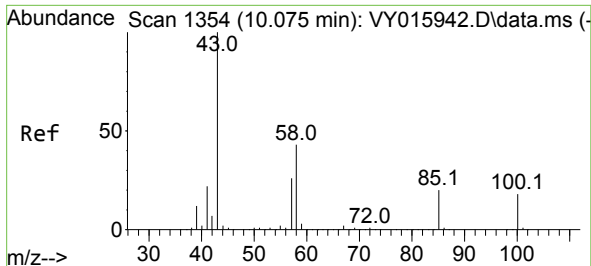
Tgt Ion:117 Resp: 5958
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.349 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 98 Resp: 117718
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

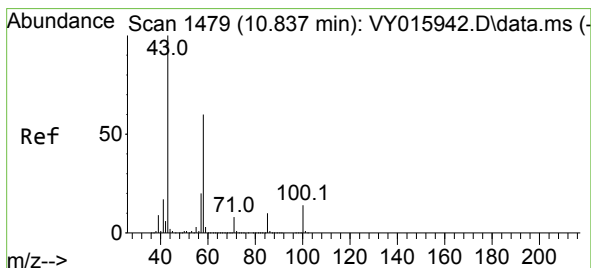
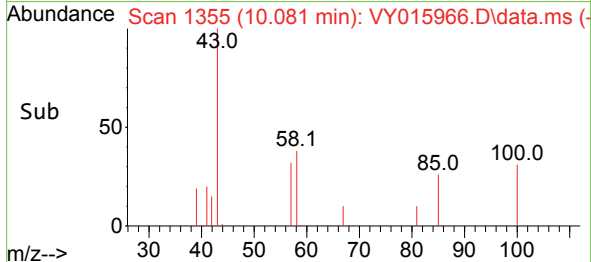
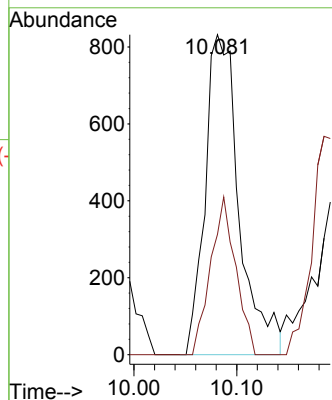
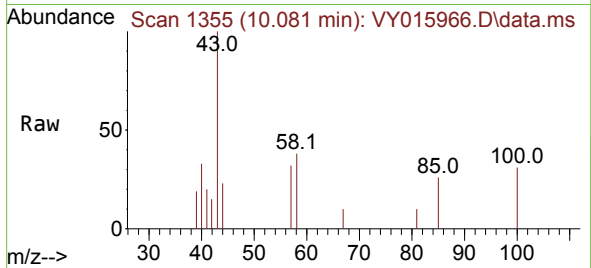




#51
4-Methyl-2-Pentanone
Concen: 1.663 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

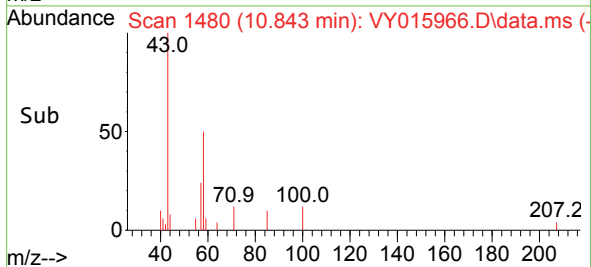
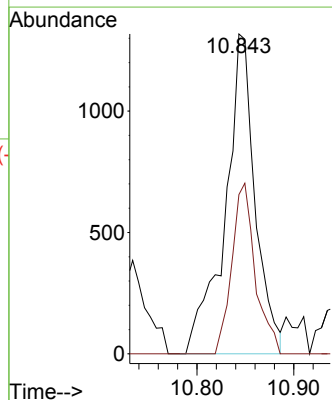
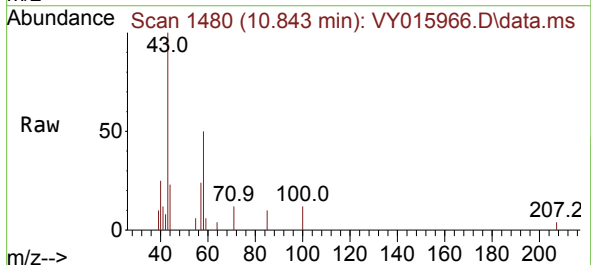
Instrument :
MSVOA_Y
ClientSampleId :

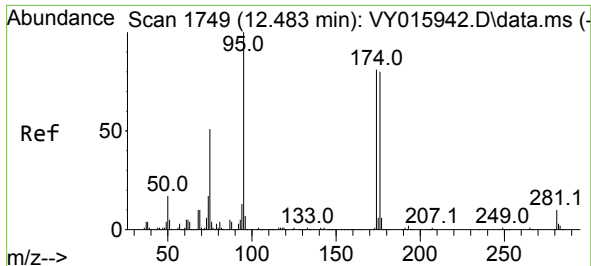
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 36.4 29.0 43.6



#59
2-Hexanone
Concen: 2.895 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
58 41.5 25.1 75.3

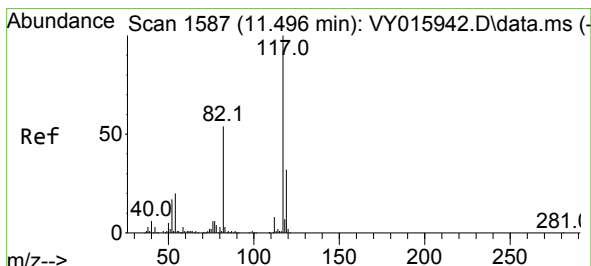
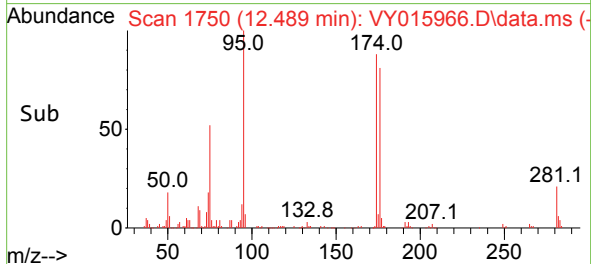
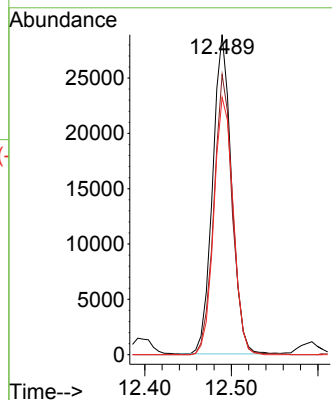
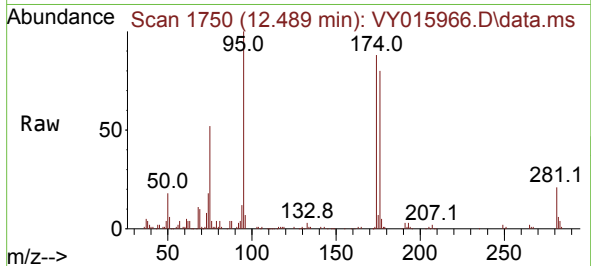




#62
4-Bromofluorobenzene
Concen: 52.741 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

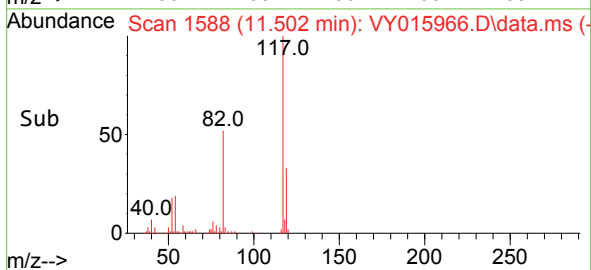
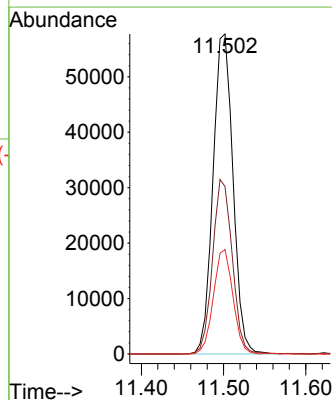
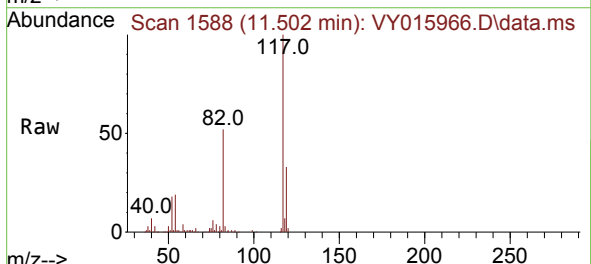
Instrument :
MSVOA_Y
ClientSampleId :

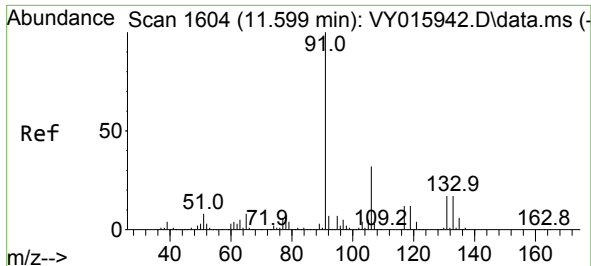
Tgt Ion: 95 Resp: 43909
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 117 Resp: 97391
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 32.6 26.3 39.5





#67

Ethyl Benzene

Concen: 1.455 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

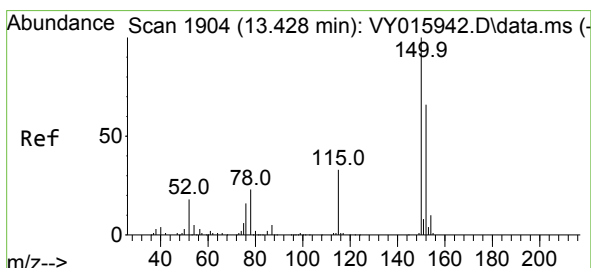
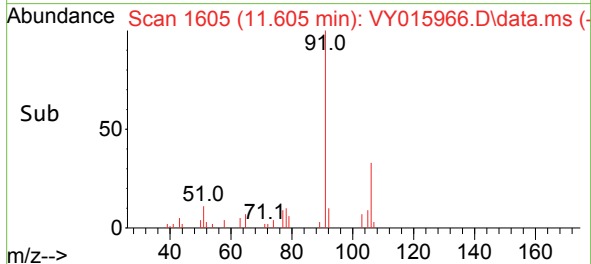
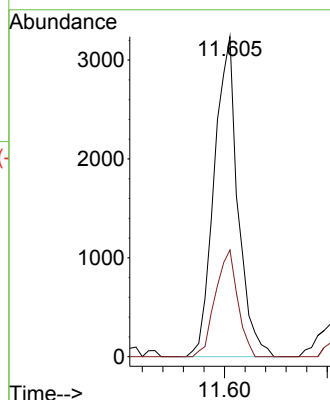
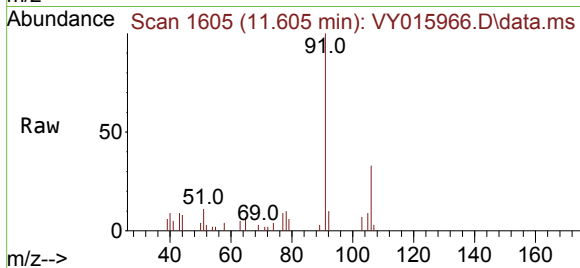
ClientSampleId :

Tgt Ion: 91 Resp: 5191

Ion Ratio Lower Upper

91 100

106 33.4 24.6 36.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

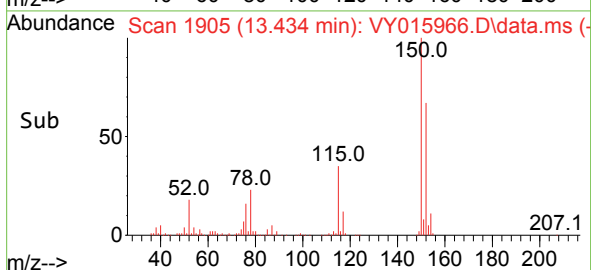
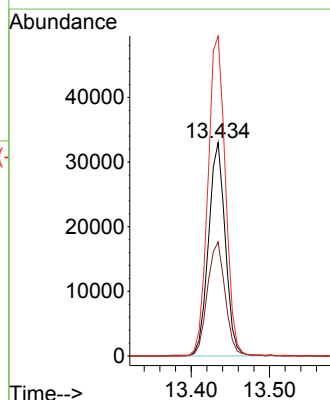
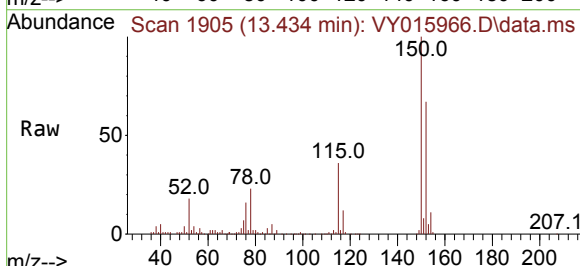
Tgt Ion:152 Resp: 49093

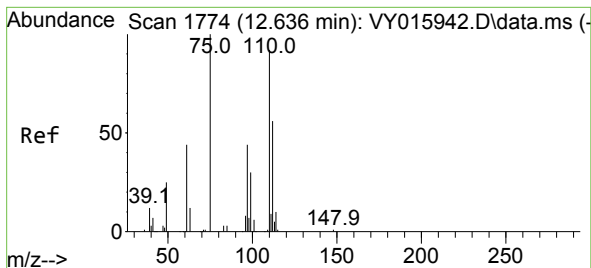
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 155.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 24.122 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

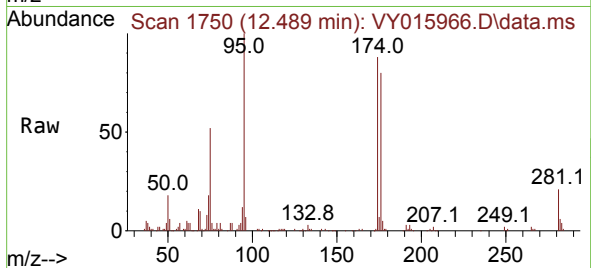
Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

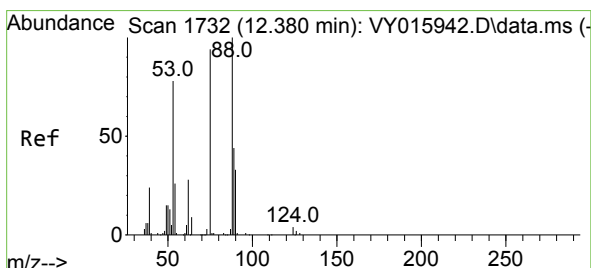
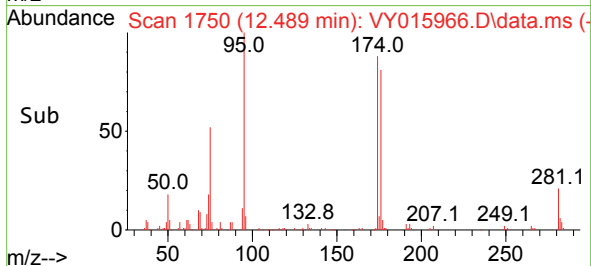
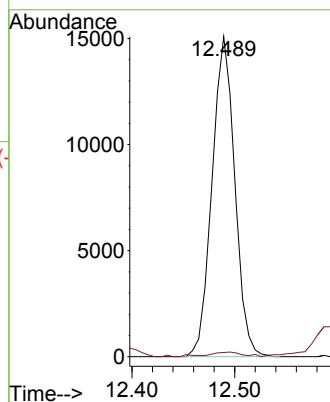


Tgt Ion: 75 Resp: 23175

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.823 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

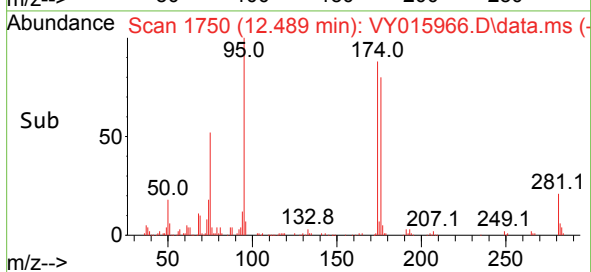
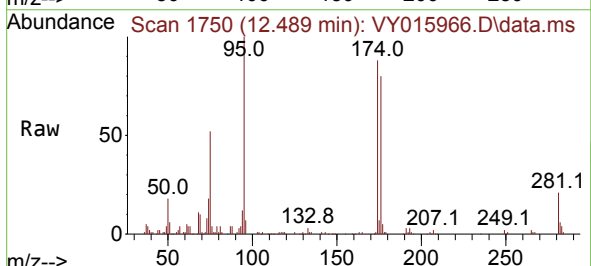
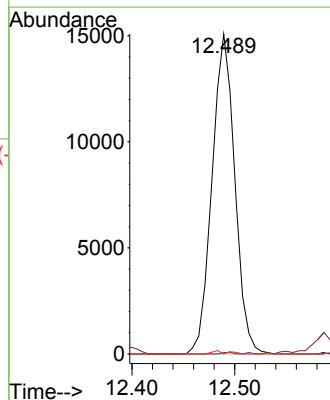
Tgt Ion: 75 Resp: 23175

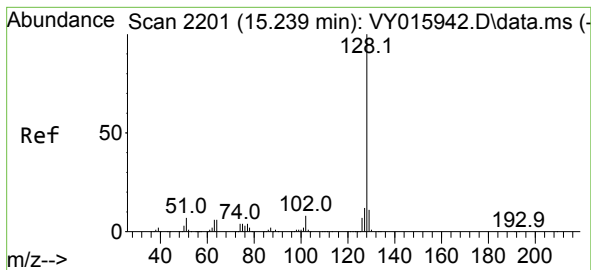
Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

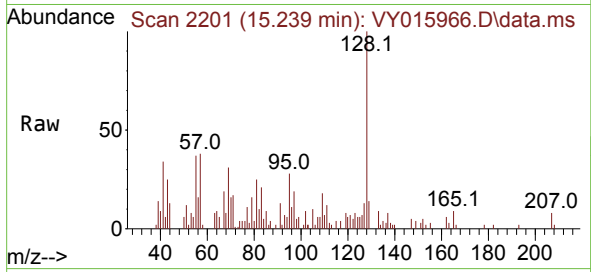
89 0.4 37.4 56.0#





#95
Naphthalene
Concen: 1.723 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 5775
Ion Ratio Lower Upper
128 100
127 16.4 10.8 16.2#
129 17.0 8.6 13.0#

