

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016149.D
 Acq On : 31 Oct 2023 16:28
 Operator : SY/MD
 Sample : VY1031SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 03:37:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

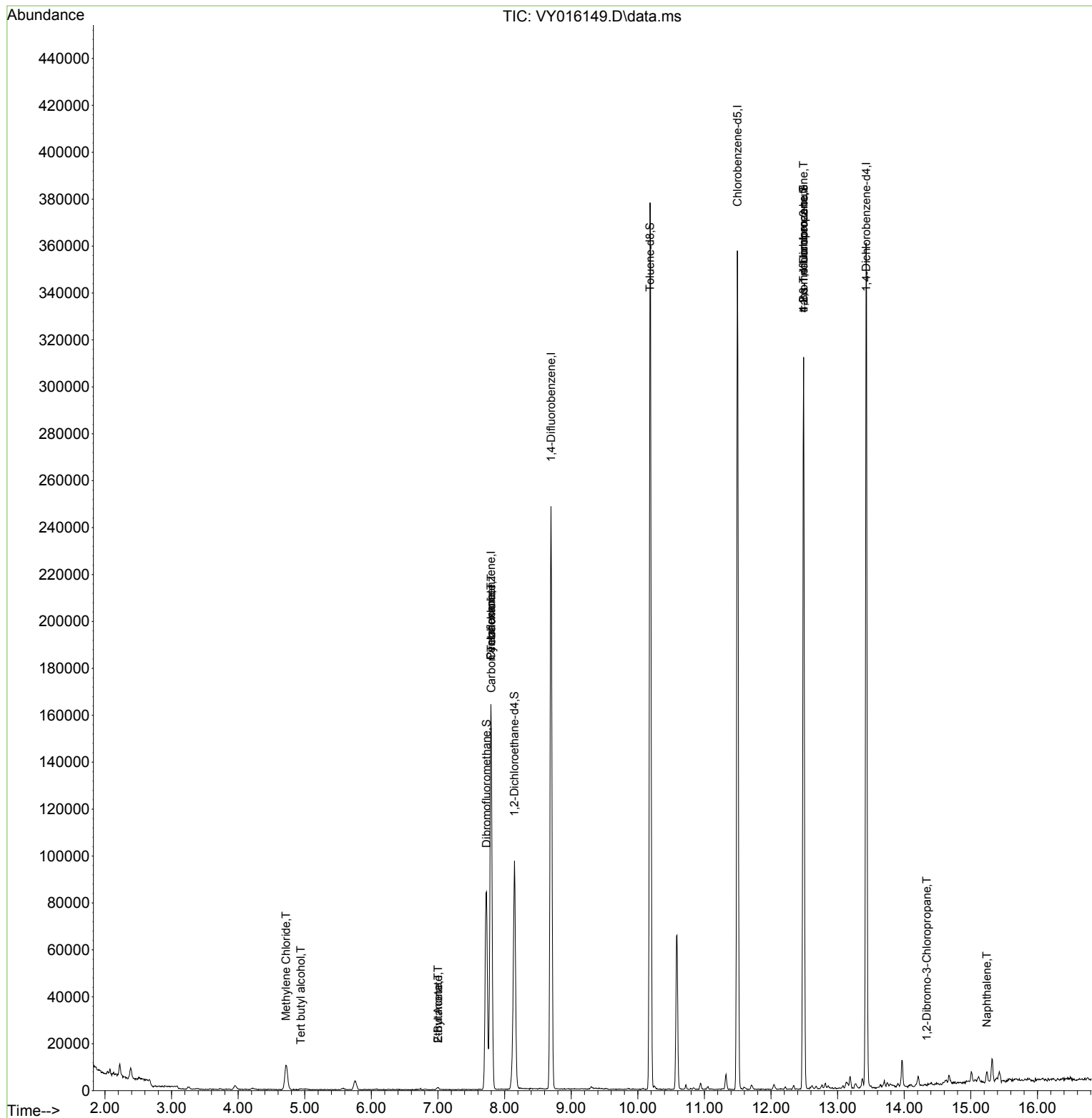
Internal Standards						
1) Pentafluorobenzene	7.795	168	127322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	212161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	195330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	70147	58.878	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.760%	
35) Dibromofluoromethane	7.728	113	60929	48.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.340%	
50) Toluene-d8	10.185	98	247702	49.394	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	12.489	95	85324	49.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	291	3.269	ug/l #	89
13) Acrolein	3.735	56	314	Below Cal	#	69
16) Acetone	3.954	43	3345	Below Cal		90
20) Methylene Chloride	4.716	84	8259	4.014	ug/l	86
25) 2-Butanone	7.002	43	1595	4.853	ug/l	95
31) Cyclohexane	7.795	56	2428	1.326	ug/l #	1
37) Ethyl Acetate	7.002	43	1595	1.961	ug/l #	77
38) Carbon Tetrachloride	7.801	117	12852	7.103	ug/l #	16
49) 1,4-Dioxane	9.301	88	944	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.489	75	45332	51.224	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	45332	111.065	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.336	75	246	1.225	ug/l #	7
95) Naphthalene	15.239	128	4016	1.228	ug/l #	93

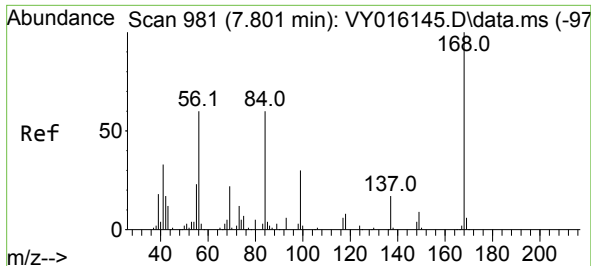
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016149.D
Acq On : 31 Oct 2023 16:28
Operator : SY/MD
Sample : VY1031SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 01 03:37:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

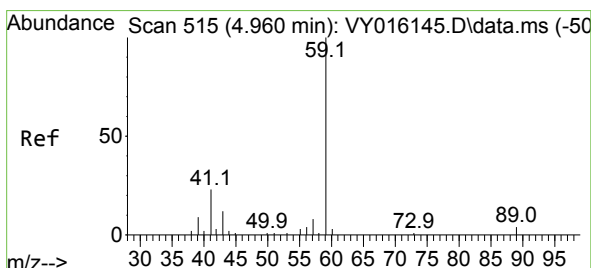
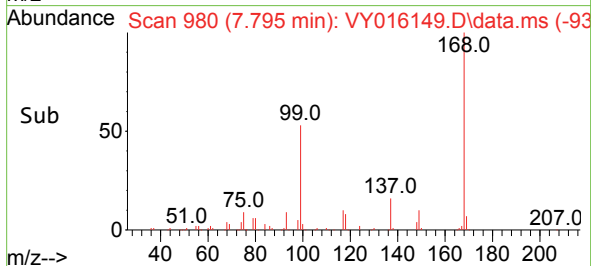
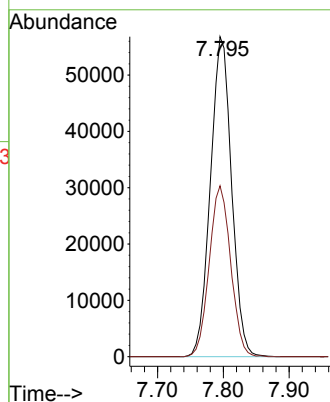
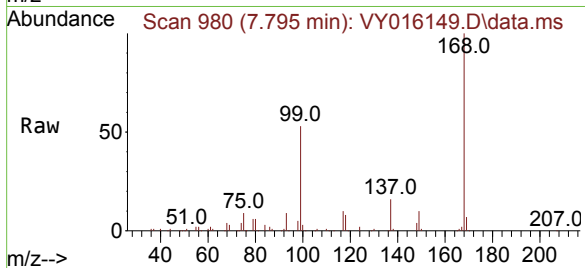




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

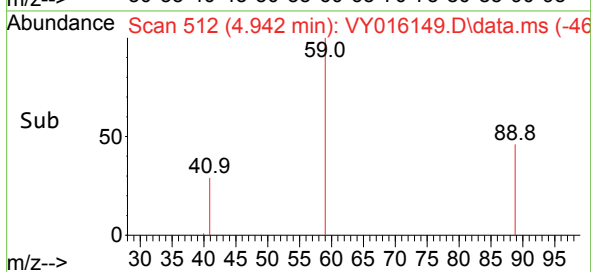
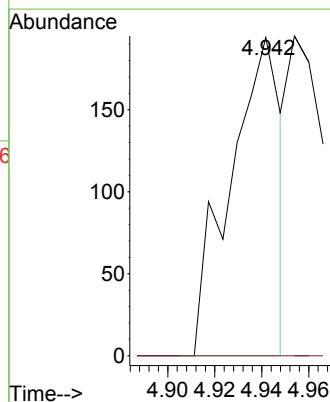
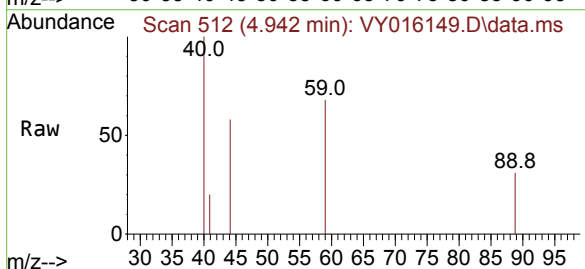
Instrument :
MSVOA_Y
ClientSampleId :

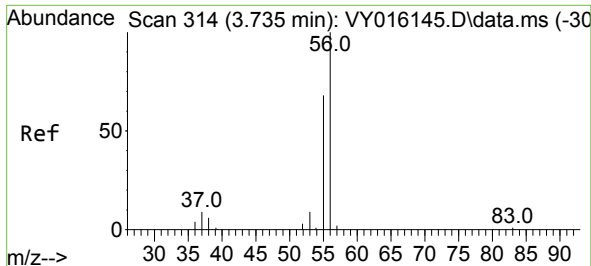
Tgt Ion:168 Resp: 127322
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.269 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Tgt Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

Instrument :

MSVOA_Y

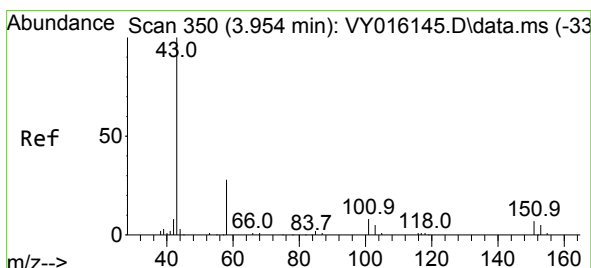
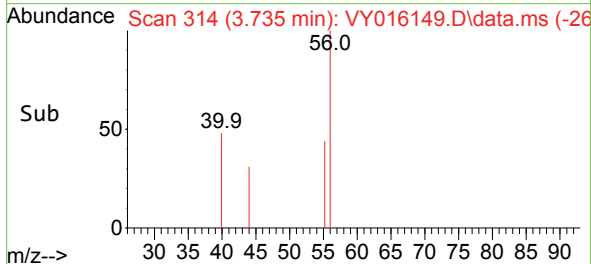
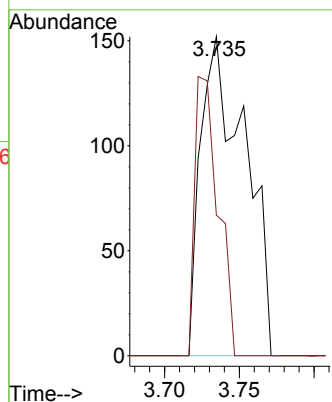
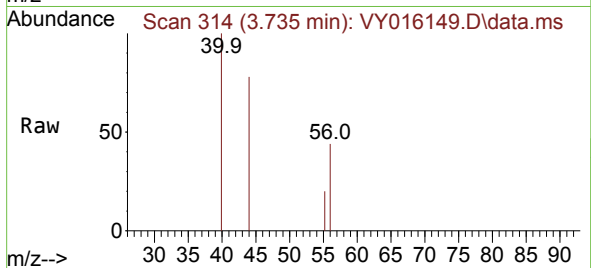
ClientSampleId :

Tgt Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 45.9 57.0 85.4#



#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY016149.D

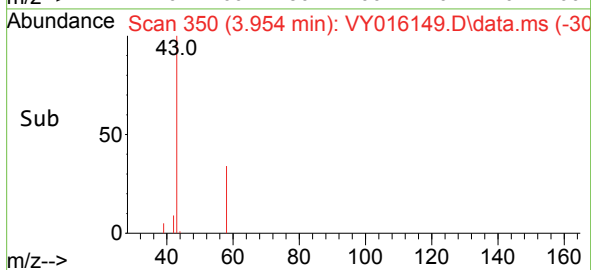
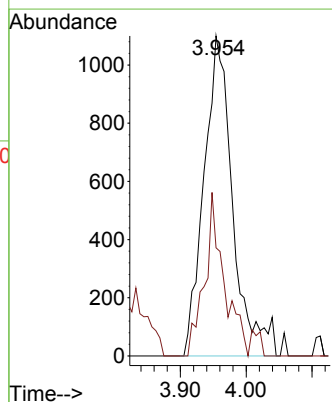
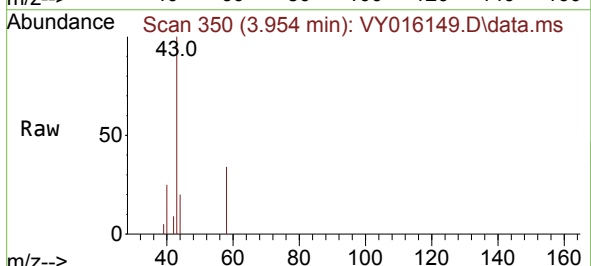
Acq: 31 Oct 2023 16:28

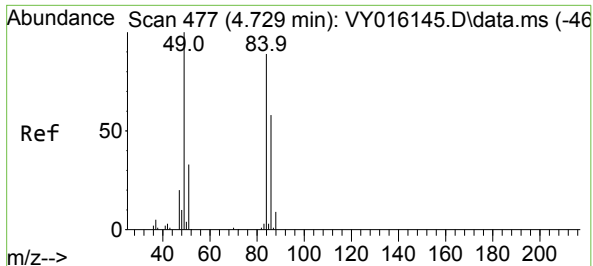
Tgt Ion: 43 Resp: 3345

Ion Ratio Lower Upper

43 100

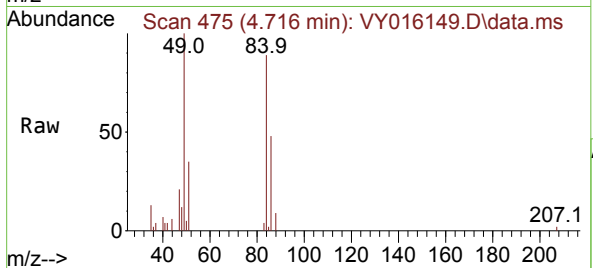
58 33.8 22.7 34.1



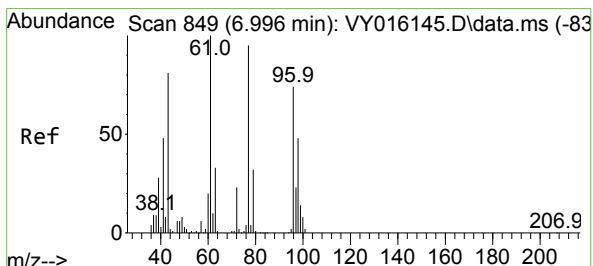
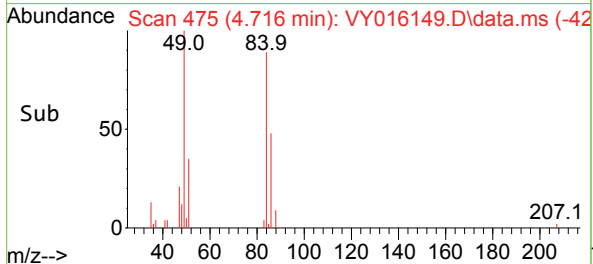
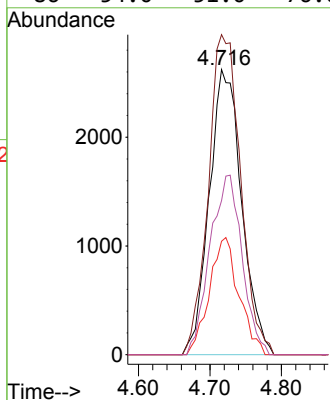


#20
Methylene Chloride
Concen: 4.014 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

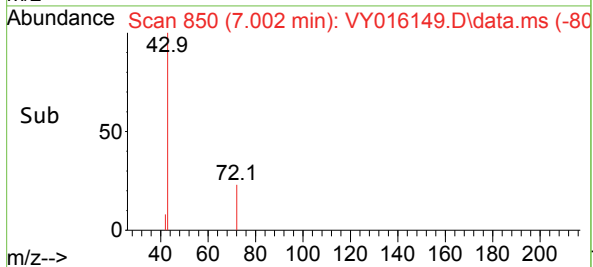
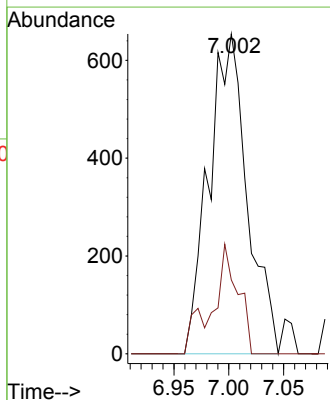
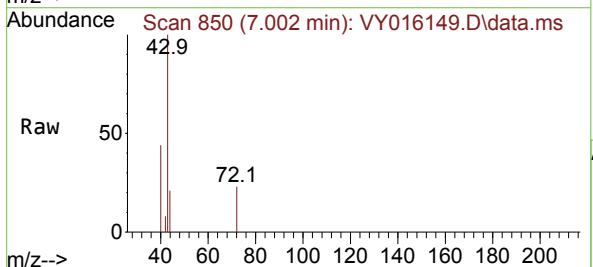


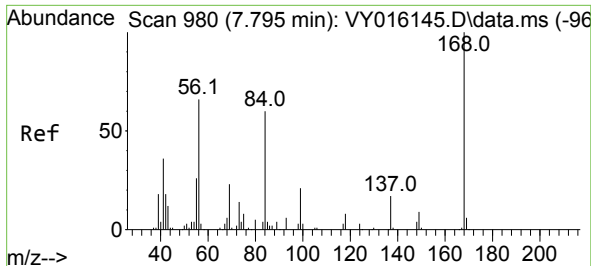
Tgt Ion:	84	Resp:	8259
Ion	Ratio	Lower	Upper
84	100		
49	112.2	106.9	160.3
51	39.8	33.2	49.8
86	54.0	51.0	76.6



#25
2-Butanone
Concen: 4.853 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

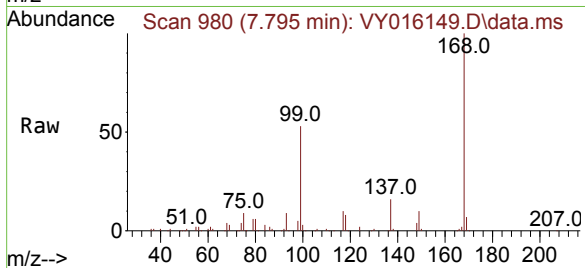
Tgt Ion:	43	Resp:	1595
Ion	Ratio	Lower	Upper
43	100		
72	23.1	20.5	30.7



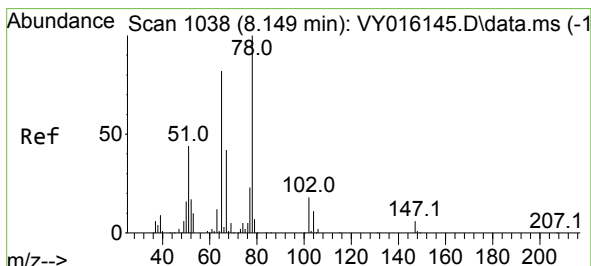
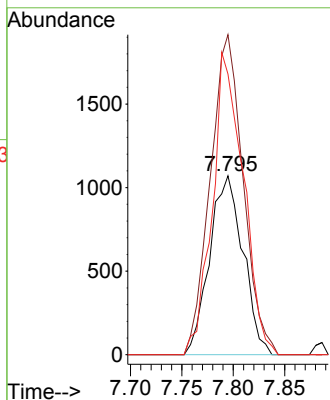
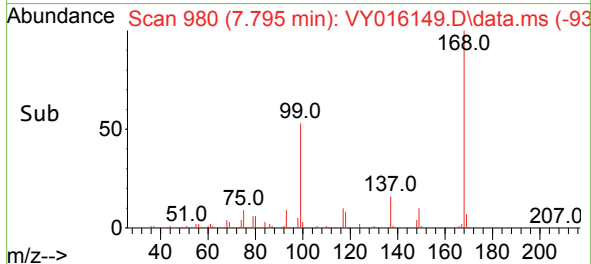


#31
Cyclohexane
Concen: 1.326 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

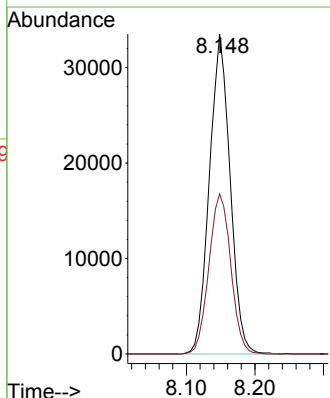
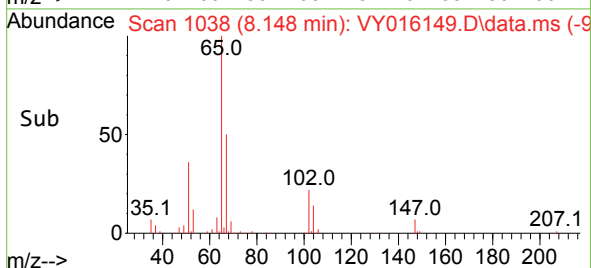
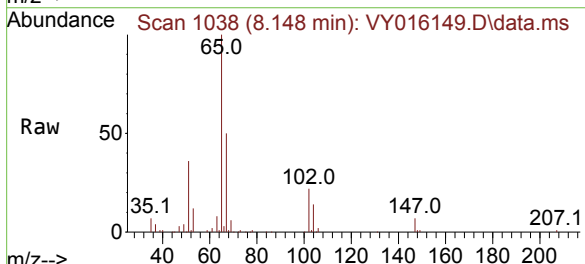


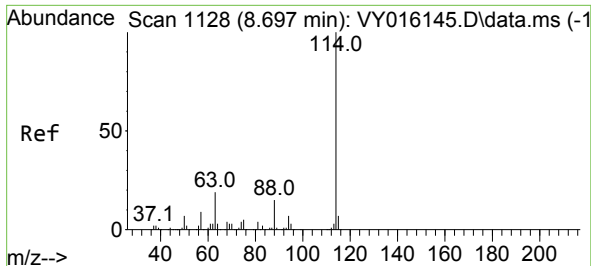
Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 178.8 27.8 41.6#
84 156.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.878 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Tgt Ion: 65 Resp: 70147
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

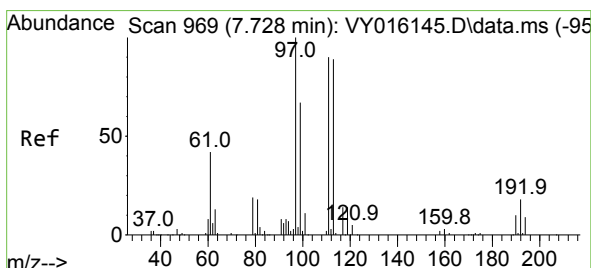
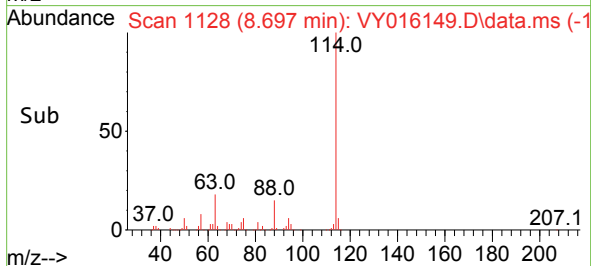
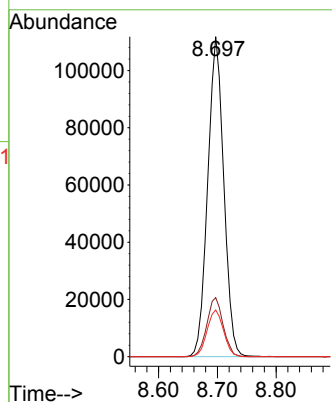
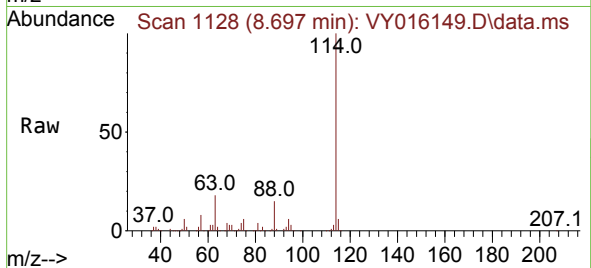
Tgt Ion:114 Resp: 212161

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.171 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

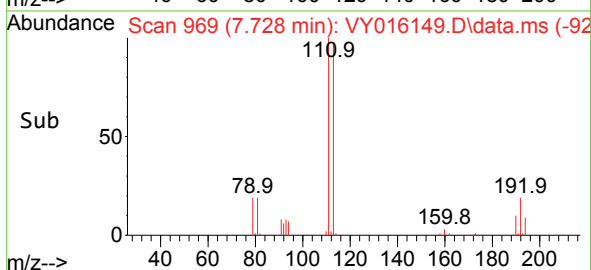
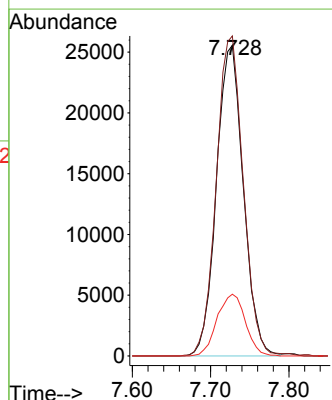
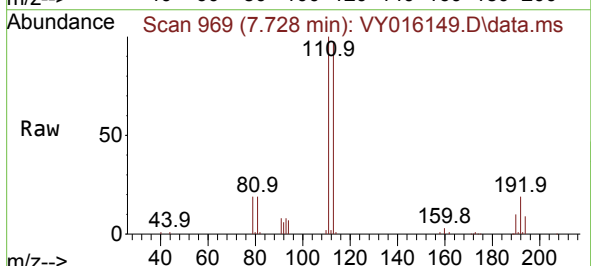
Tgt Ion:113 Resp: 60929

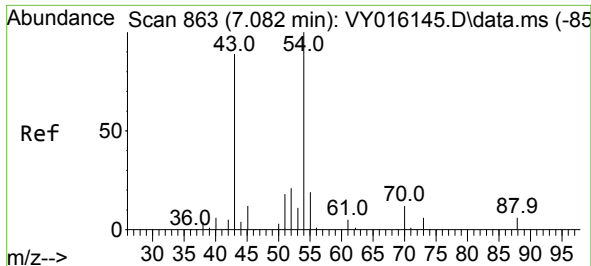
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

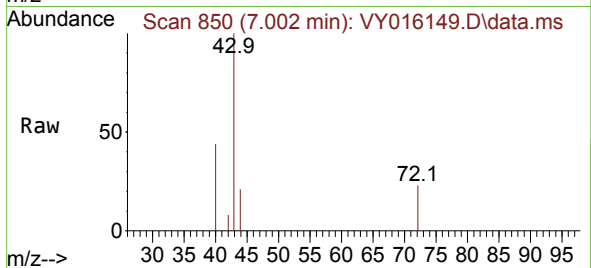
192 21.0 16.9 25.3



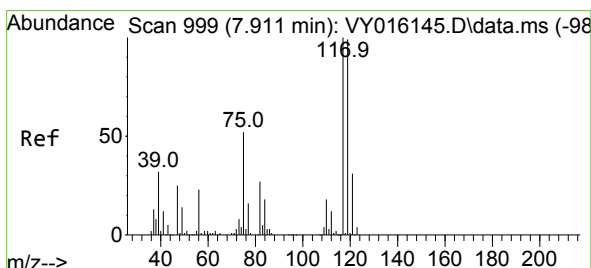
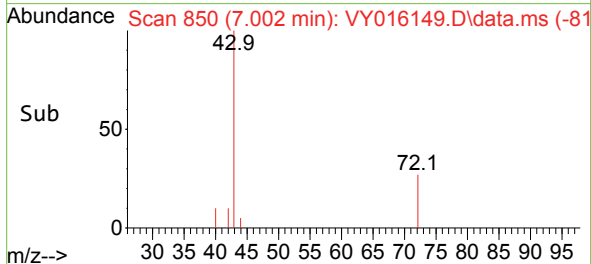
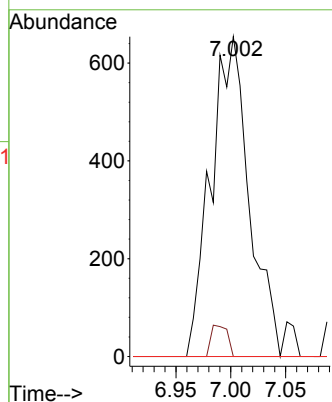


#37
Ethyl Acetate
Concen: 1.961 ug/l
RT: 7.002 min Scan# 81
Delta R.T. -0.079 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

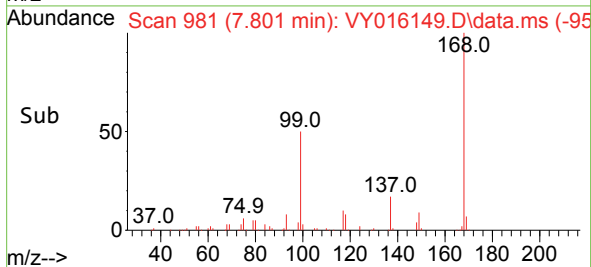
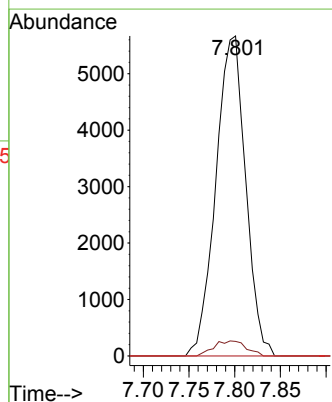
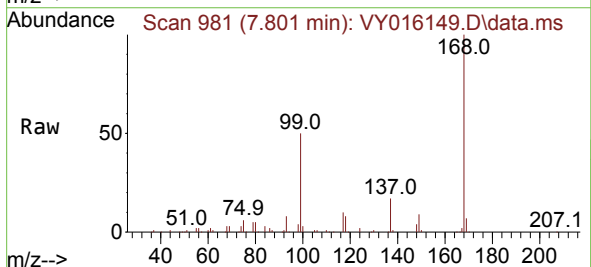


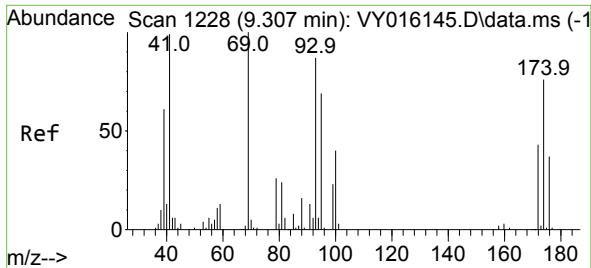
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
61 4.1 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.103 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Tgt Ion: 117 Resp: 12852
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.301 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

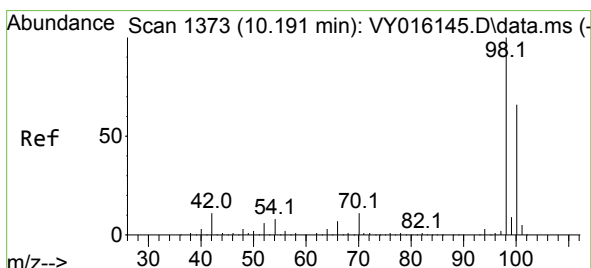
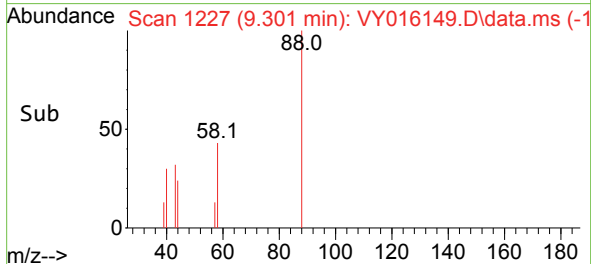
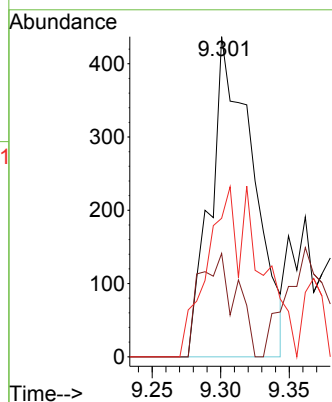
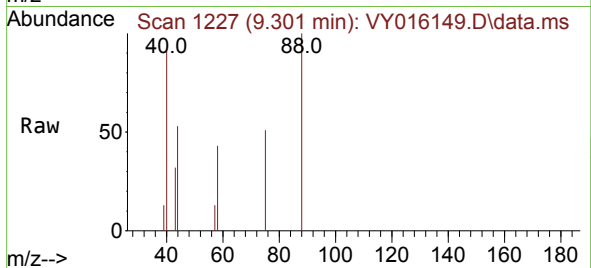
Tgt Ion: 88 Resp: 944

Ion Ratio Lower Upper

88 100

43 27.5 0.0 0.0#

58 65.0 30.9 46.3#



#50

Toluene-d8

Concen: 49.394 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016149.D

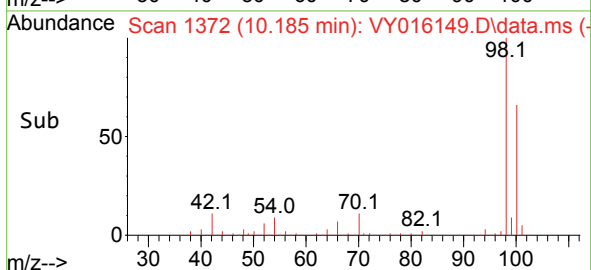
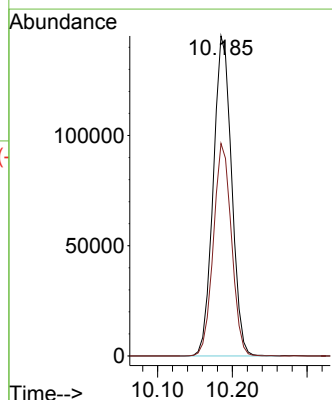
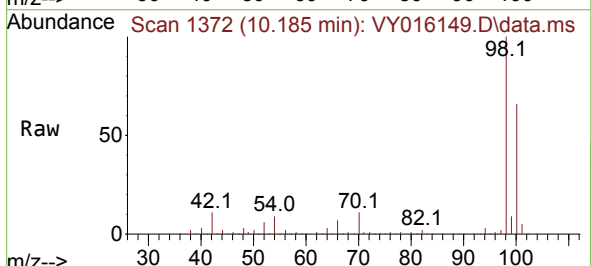
Acq: 31 Oct 2023 16:28

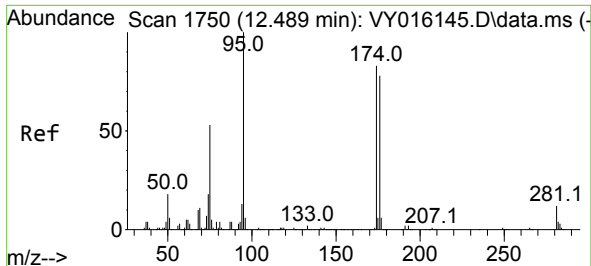
Tgt Ion: 98 Resp: 247702

Ion Ratio Lower Upper

98 100

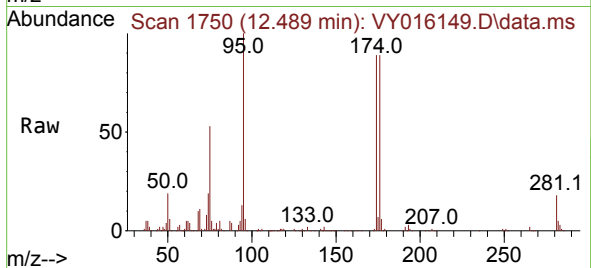
100 65.4 50.1 75.1



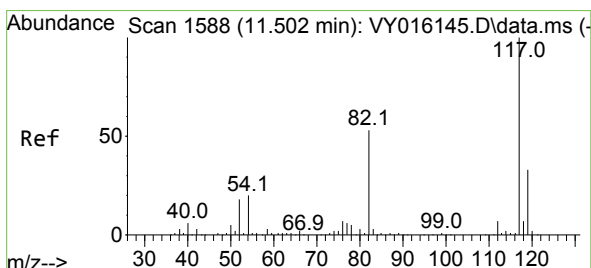
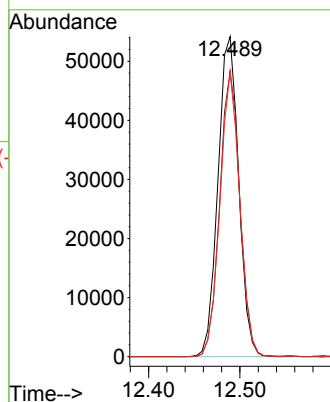
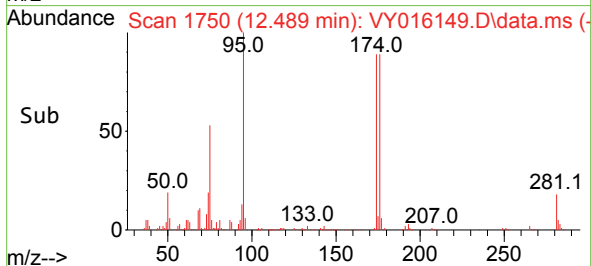


#62
4-Bromofluorobenzene
Concen: 49.757 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

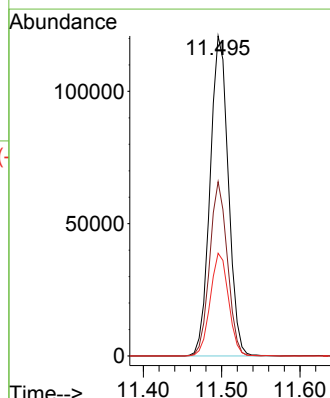
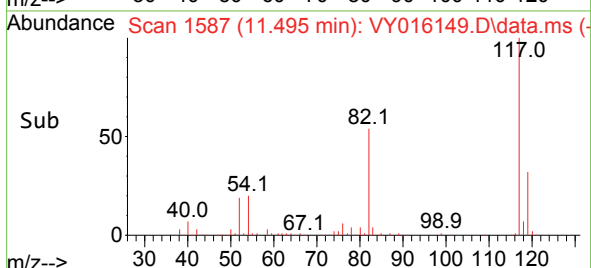
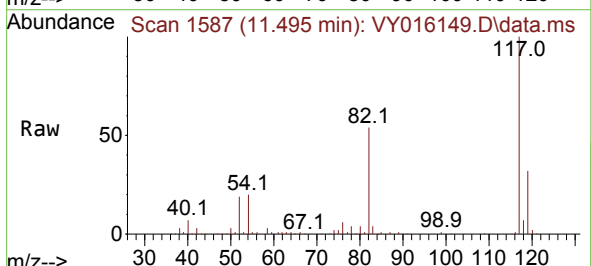


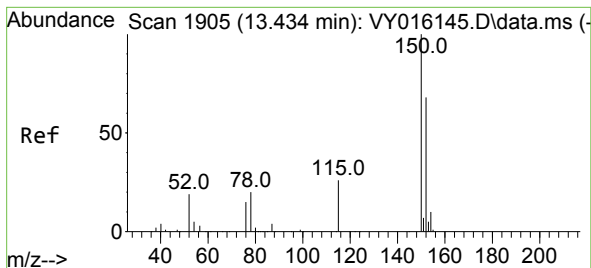
Tgt Ion: 95 Resp: 85324
Ion Ratio Lower Upper
95 100
174 87.1 0.0 178.2
176 84.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Tgt Ion: 117 Resp: 195330
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

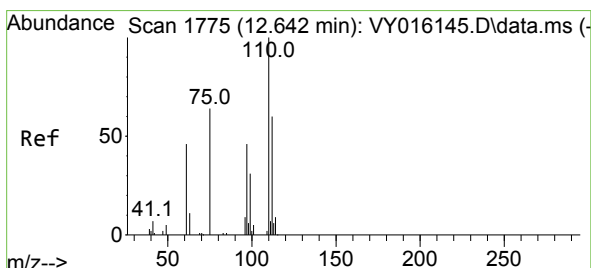
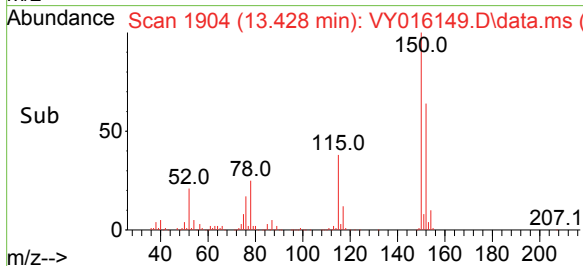
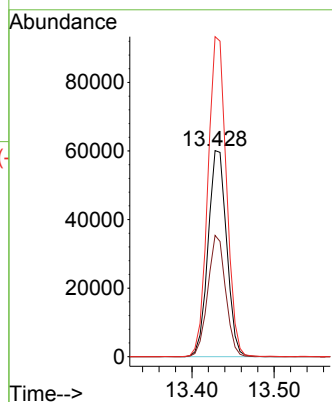
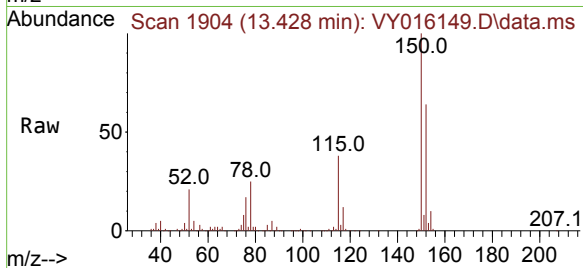
Tgt Ion:152 Resp: 93976

Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 155.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 51.224 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016149.D

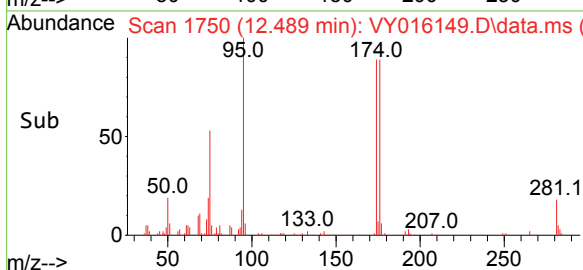
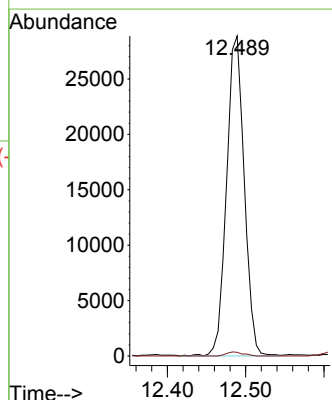
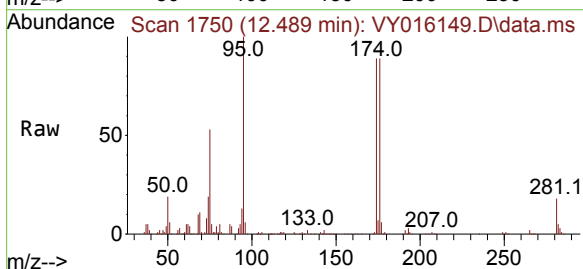
Acq: 31 Oct 2023 16:28

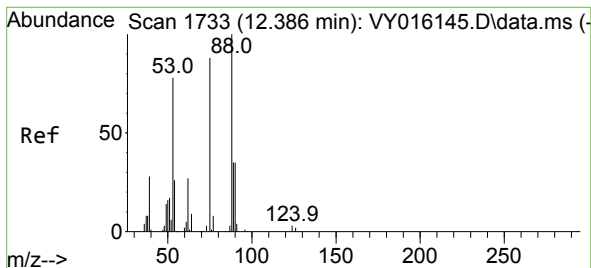
Tgt Ion: 75 Resp: 45332

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

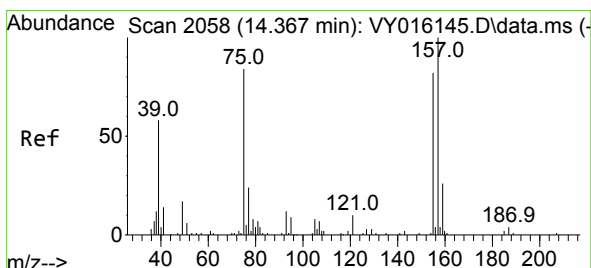
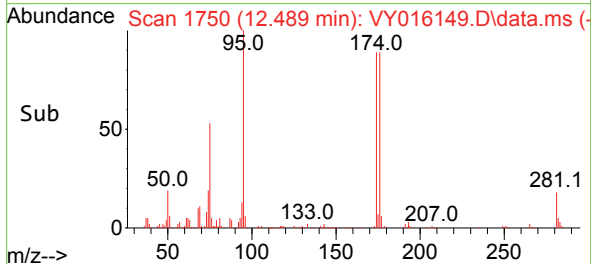
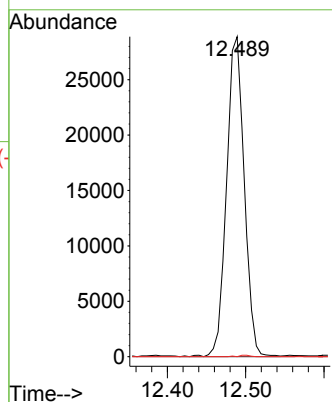
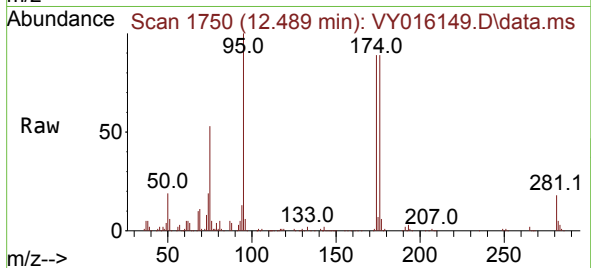




#81
trans-1,4-Dichloro-2-butene
Concen: 111.065 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

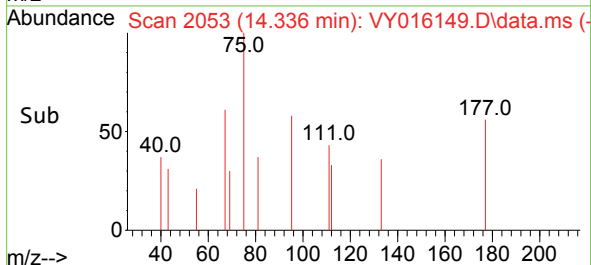
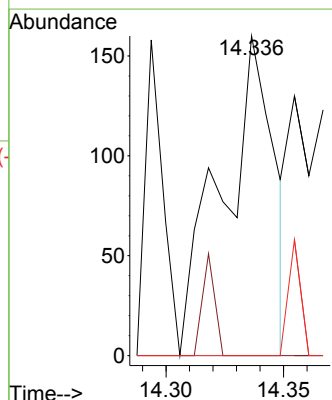
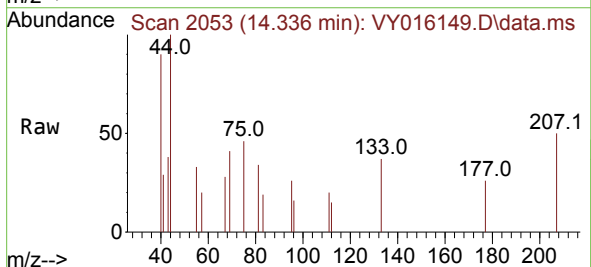
Instrument :
MSVOA_Y
ClientSampleId :

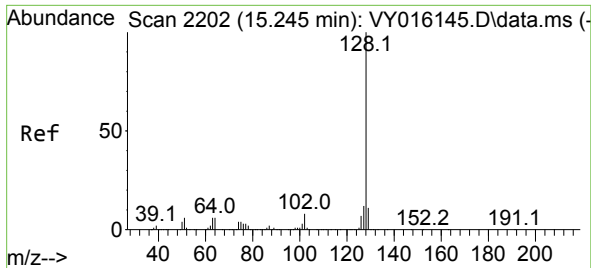
Tgt Ion: 75 Resp: 45332
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.225 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.031 min
Lab File: VY016149.D
Acq: 31 Oct 2023 16:28

Tgt Ion: 75 Resp: 246
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 8.5 51.8 155.5#





#95

Naphthalene

Concen: 1.228 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.006 min

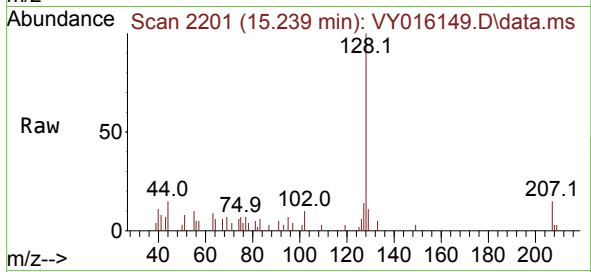
Lab File: VY016149.D

Acq: 31 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 4016

Ion Ratio Lower Upper

128 100

127 15.3 10.8 16.2

129 14.3 8.6 13.0#

