

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016695.D
 Acq On : 19 Dec 2023 13:12
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 05:31:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	107140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	186403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	177883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	72114	50.000	ug/l	0.00

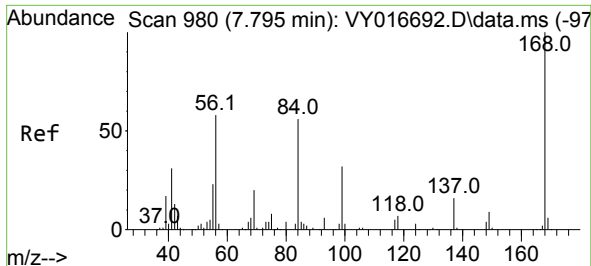
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	58648	66.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.360%
35) Dibromofluoromethane	7.728	113	62837	57.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.480%
50) Toluene-d8	10.191	98	226223	56.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.800%
62) 4-Bromofluorobenzene	12.489	95	62233	55.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.100%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.119	50	835	Below Cal		98
11) Tert butyl alcohol	4.954	59	703	Below Cal	#	73
13) Acrolein	3.747	56	48	Below Cal	#	49
15) Acrylonitrile	5.173	53	363	1.868	ug/l #	94
16) Acetone	3.960	43	1621	Below Cal	#	59
20) Methylene Chloride	4.728	84	20483	17.891	ug/l	96
25) 2-Butanone	7.009	43	689	Below Cal	#	42
31) Cyclohexane	7.795	56	2272	1.566	ug/l #	27
38) Carbon Tetrachloride	7.795	117	9534	5.321	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.795	63	101	19.926	ug/l #	43
59) 2-Hexanone	10.849	43	530	1.160	ug/l	89
76) 1,2,3-Trichloropropane	12.489	75	34967	55.781	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34967	127.985	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.019	180	2847	2.437	ug/l	95
94) Hexachlorobutadiene	15.123	225	787	1.066	ug/l	69
95) Naphthalene	15.245	128	5291	2.829	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	2977	3.013	ug/l	93

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

Quant Time: Dec 20 05:31:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 20 05:26:40 2023
Response via : Initial Calibration

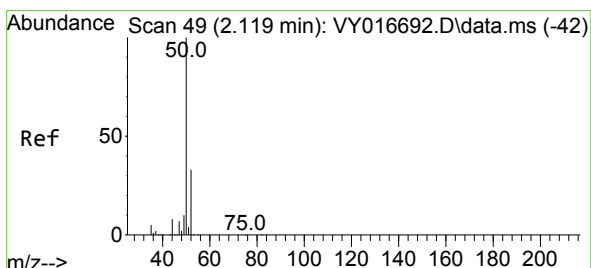
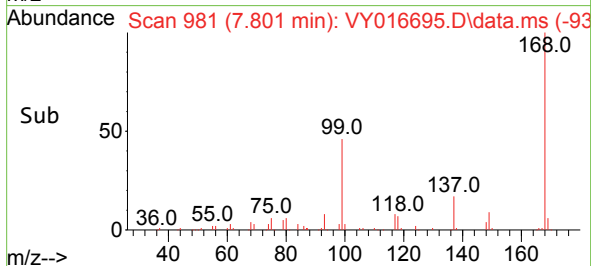
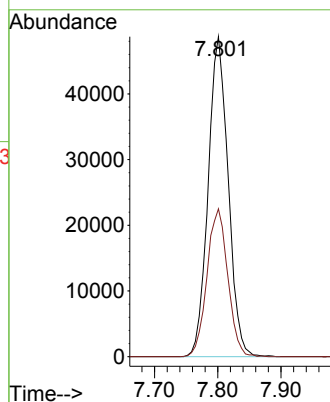
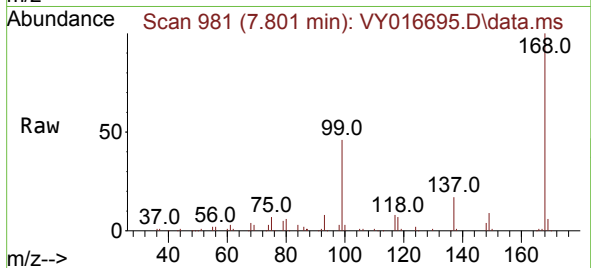




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

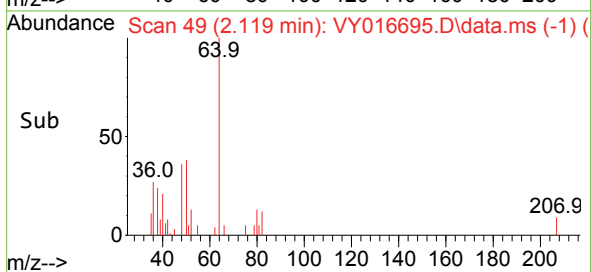
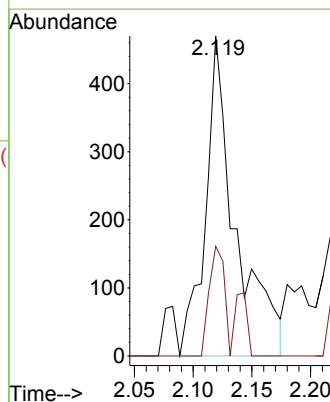
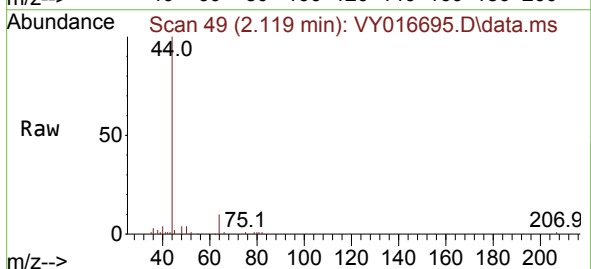
Instrument :
MSVOA_Y
ClientSampleId :

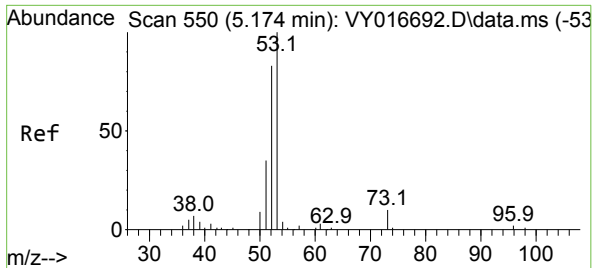
Tgt Ion:168 Resp: 107140
Ion Ratio Lower Upper
168 100
99 46.2 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

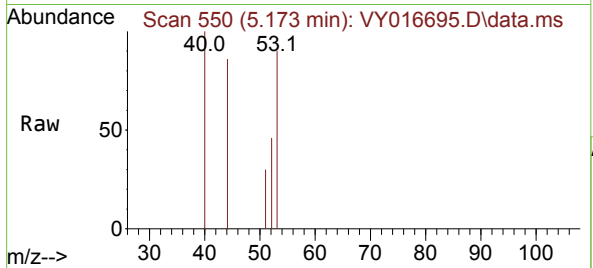
Tgt Ion: 50 Resp: 835
Ion Ratio Lower Upper
50 100
52 34.3 26.6 40.0



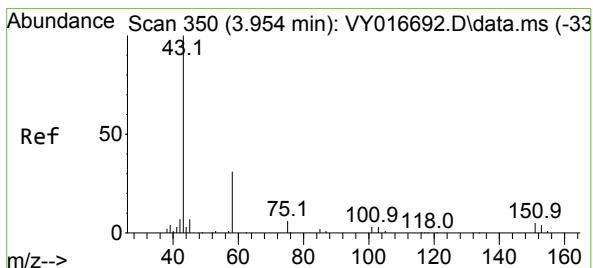
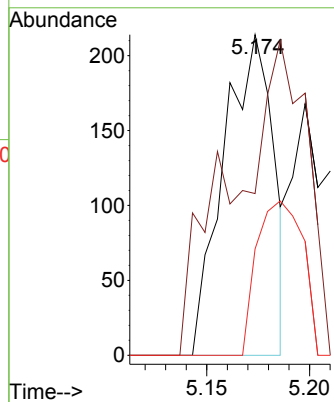
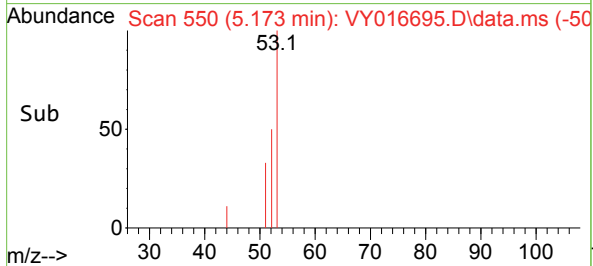


#15
Acrylonitrile
Concen: 1.868 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

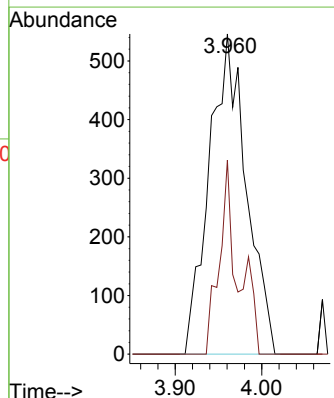
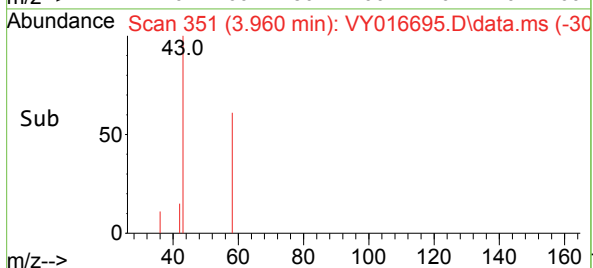
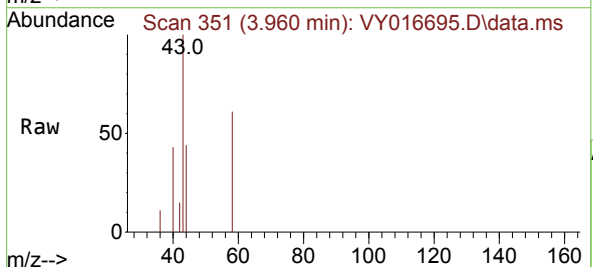


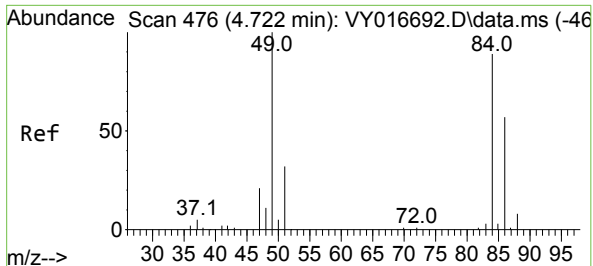
Tgt Ion: 53 Resp: 363
Ion Ratio Lower Upper
53 100
52 82.1 64.3 96.5
51 44.4 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
58 60.6 29.0 43.4#





#20

Methylene Chloride

Concen: 17.891 ug/l

RT: 4.728 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY016695.D

Acq: 19 Dec 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 20483

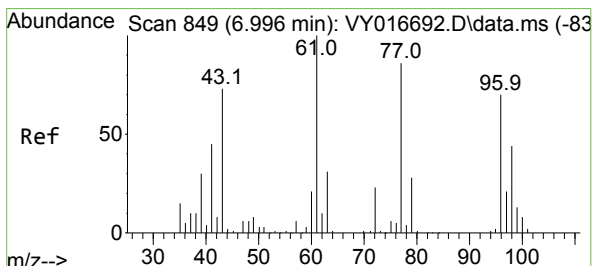
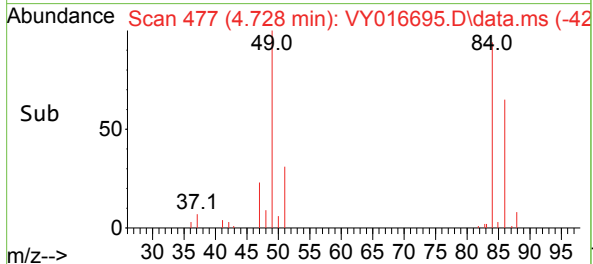
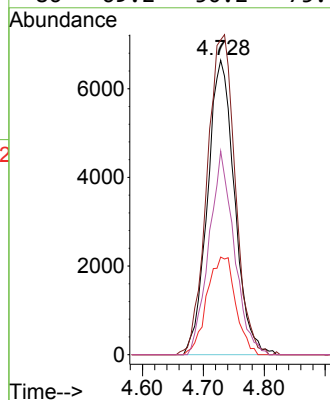
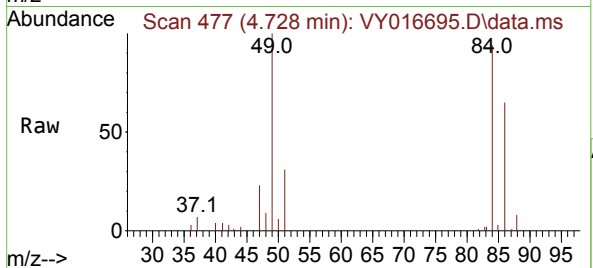
Ion Ratio Lower Upper

84 100

49 106.9 83.8 125.8

51 33.2 27.2 40.8

86 69.2 50.2 75.4



#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY016695.D

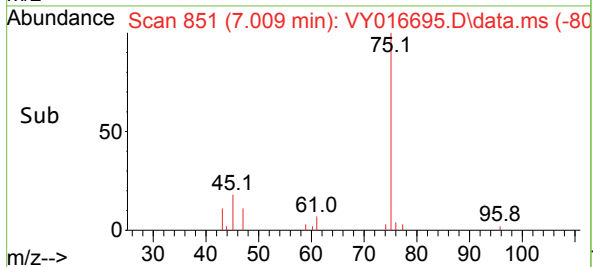
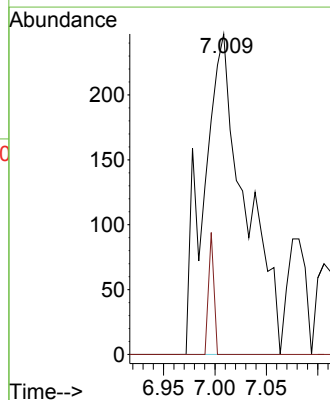
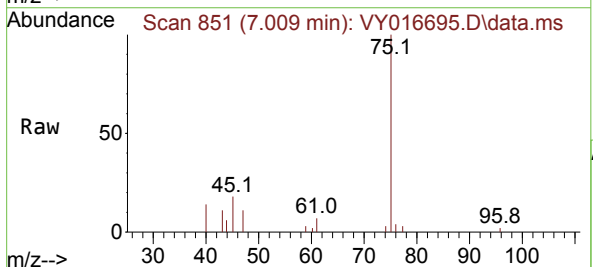
Acq: 19 Dec 2023 13:12

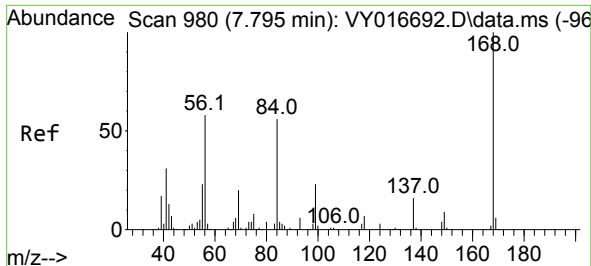
Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

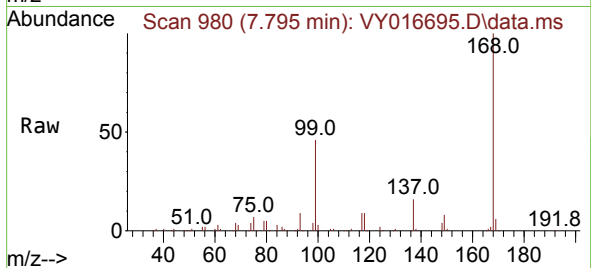
72 0.0 26.3 39.5#



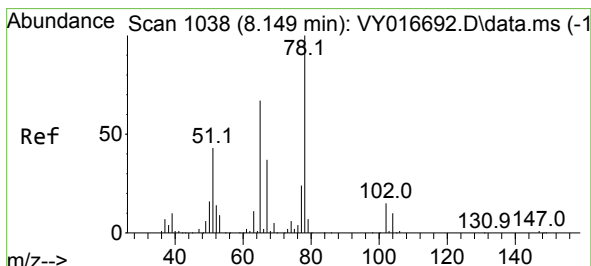
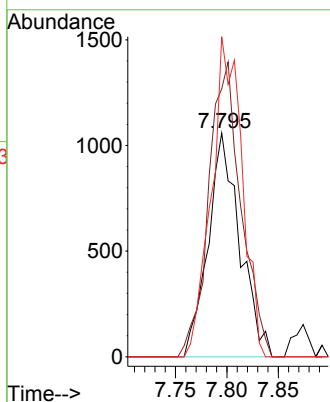
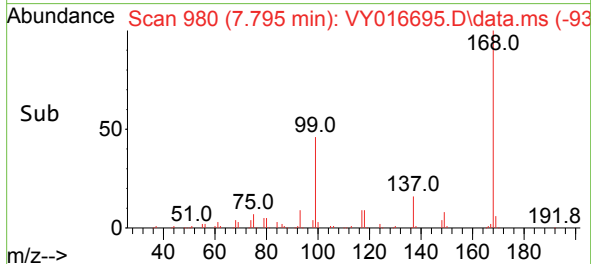


#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

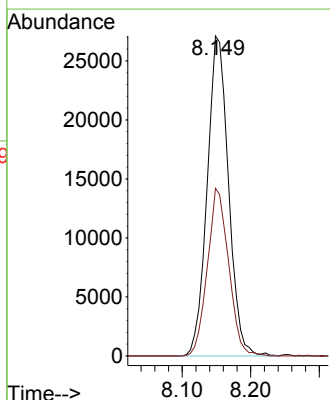
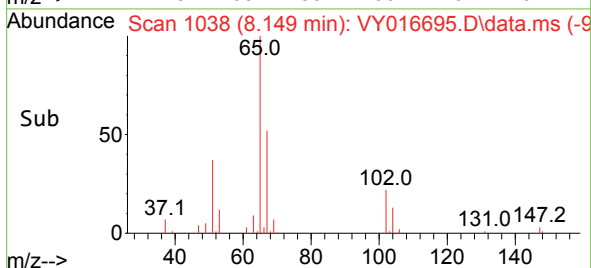
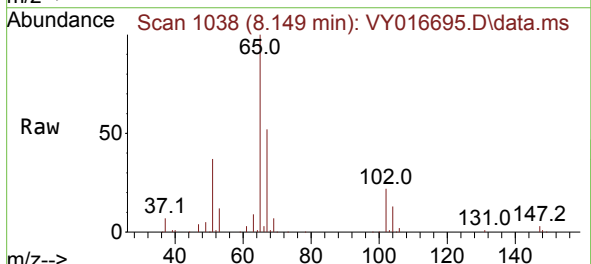


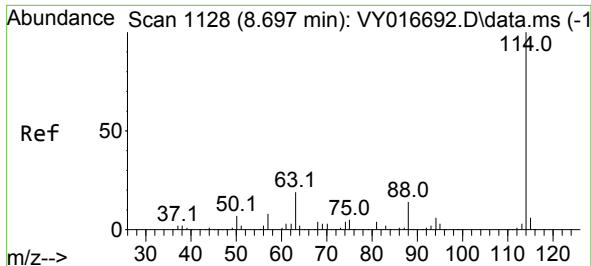
Tgt Ion: 56 Resp: 2272
Ion Ratio Lower Upper
56 100
69 119.7 27.5 41.3#
84 143.1 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 66.180 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Tgt Ion: 65 Resp: 58648
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016695.D

Acq: 19 Dec 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

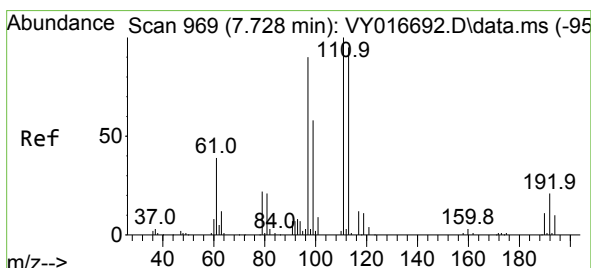
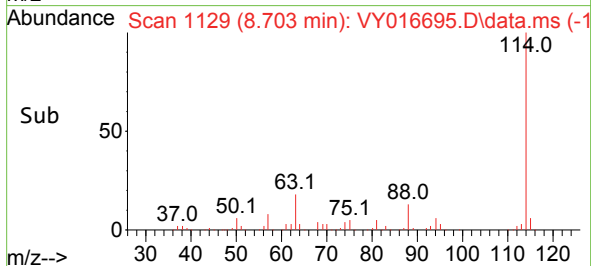
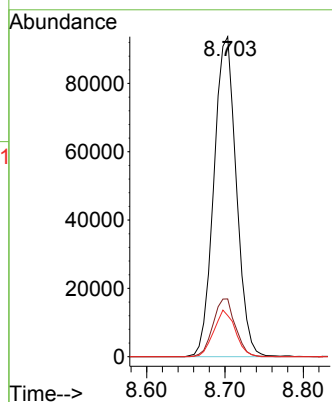
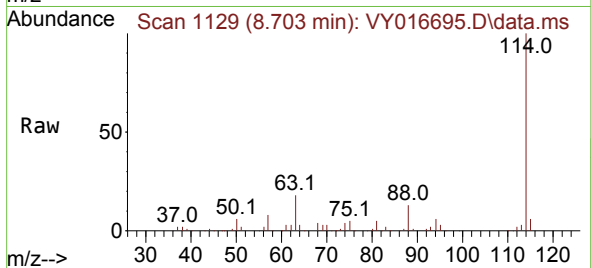
Tgt Ion:114 Resp: 186403

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

88 12.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 57.237 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016695.D

Acq: 19 Dec 2023 13:12

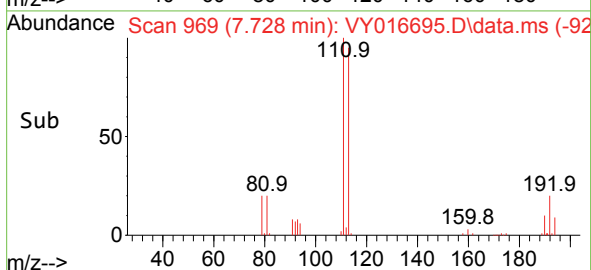
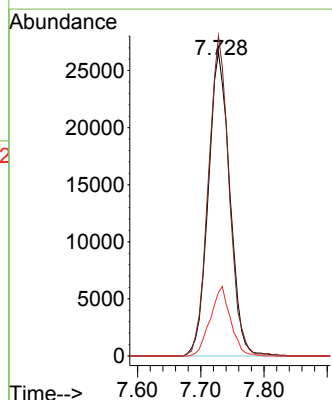
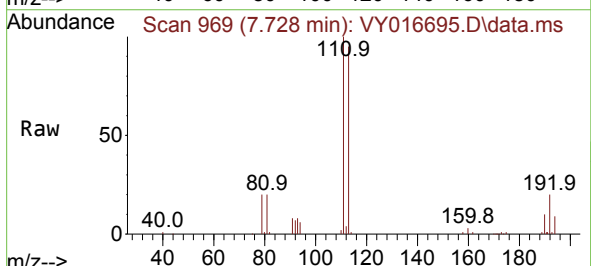
Tgt Ion:113 Resp: 62837

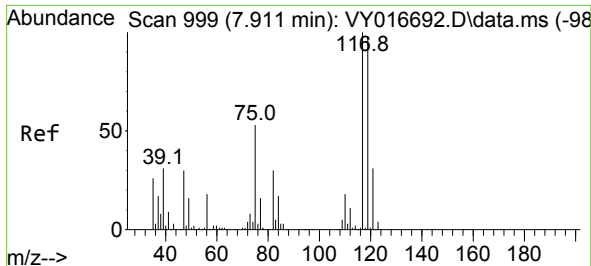
Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

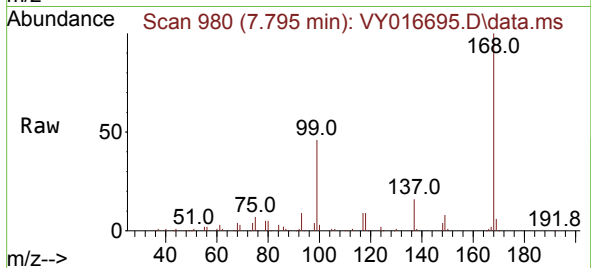
192 21.6 16.2 24.4



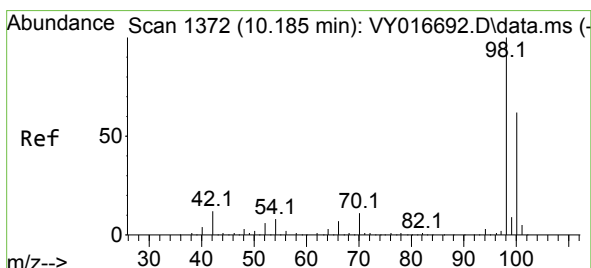
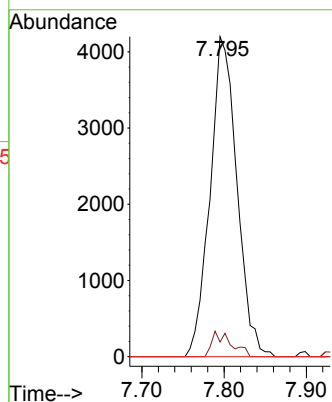
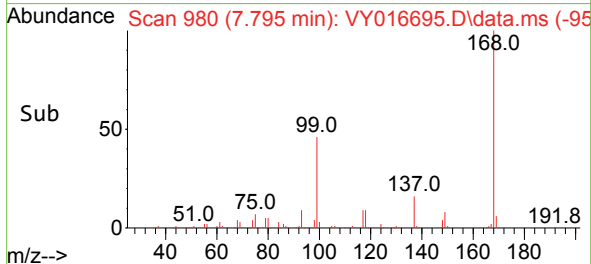


#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

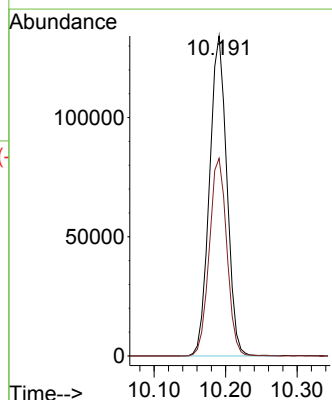
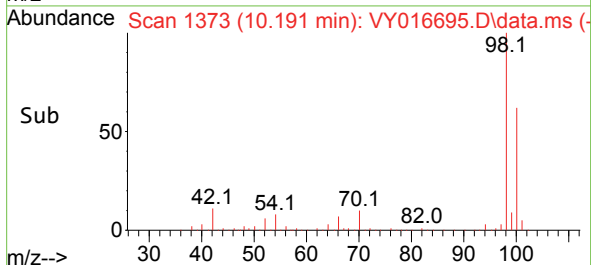
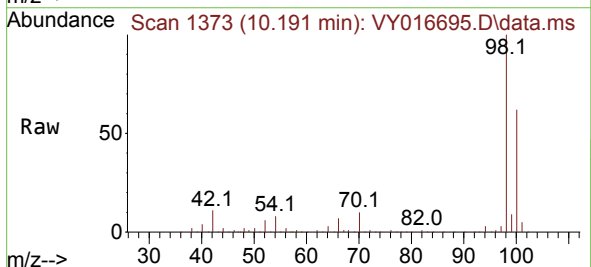


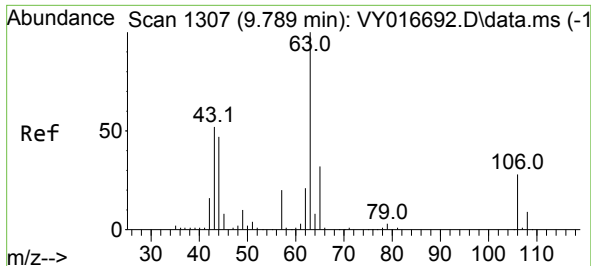
Tgt Ion:117 Resp: 9534
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 56.898 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Tgt Ion: 98 Resp: 226223
Ion Ratio Lower Upper
98 100
100 62.3 52.5 78.7

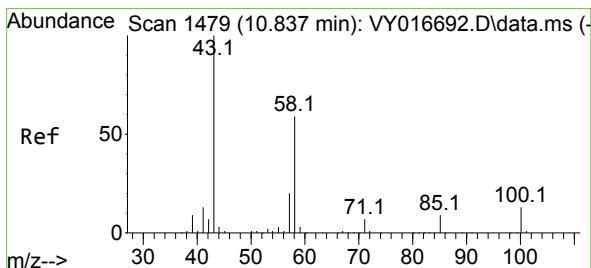
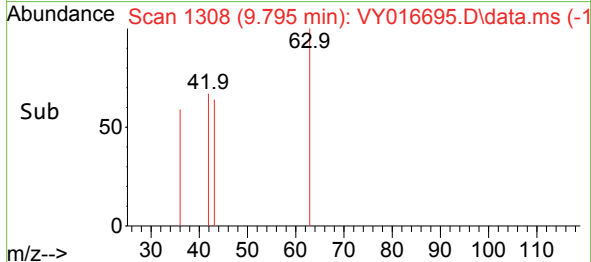
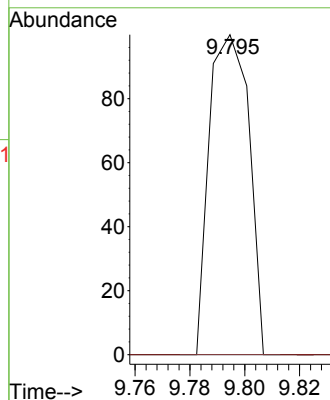
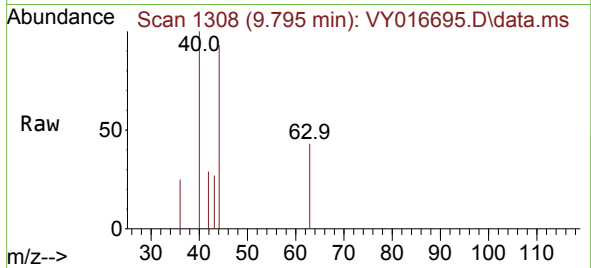




#58
2-Chloroethyl Vinyl ether
Concen: 19.926 ug/l
RT: 9.795 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

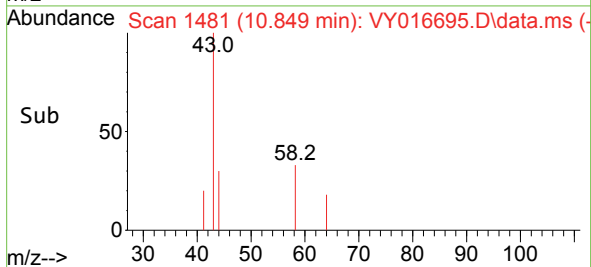
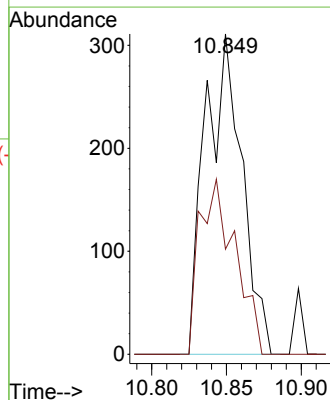
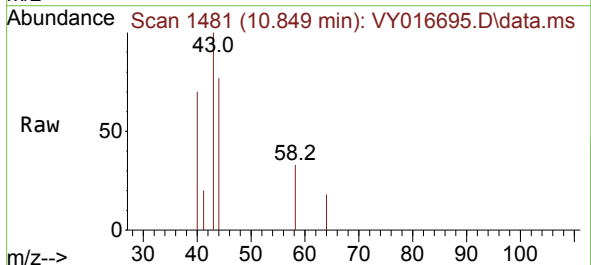
Instrument :
MSVOA_Y
ClientSampleId :

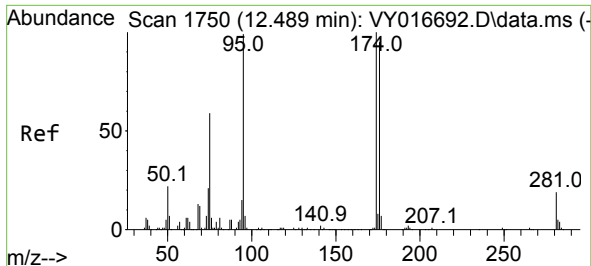
Tgt Ion: 63 Resp: 101
Ion Ratio Lower Upper
63 100
106 0.0 25.4 38.2#



#59
2-Hexanone
Concen: 1.160 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.012 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 53.2 30.8 92.4

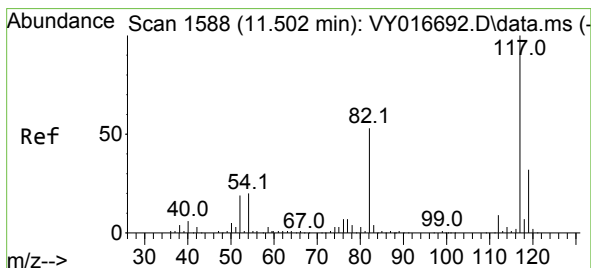
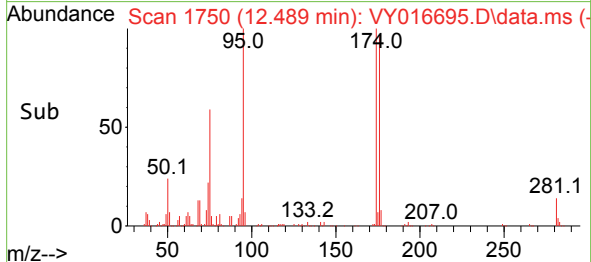
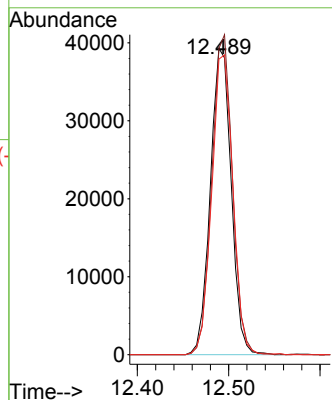
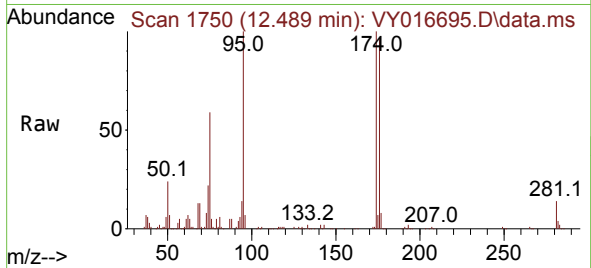




#62
4-Bromofluorobenzene
Concen: 55.050 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

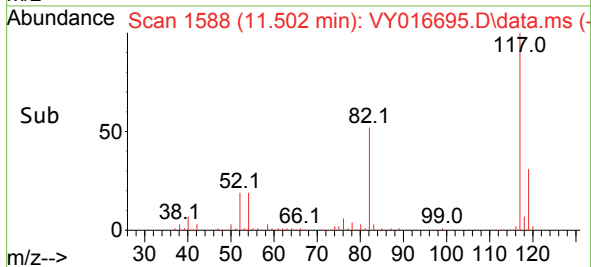
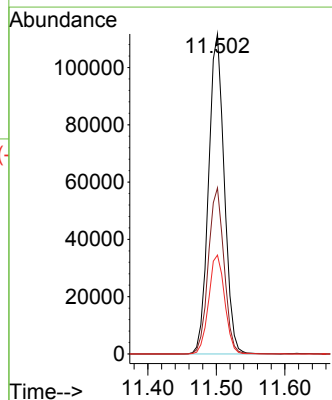
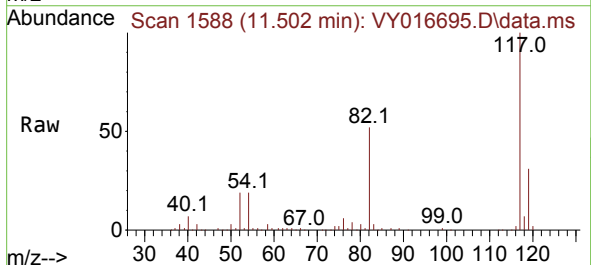
Instrument :
MSVOA_Y
ClientSampleId :

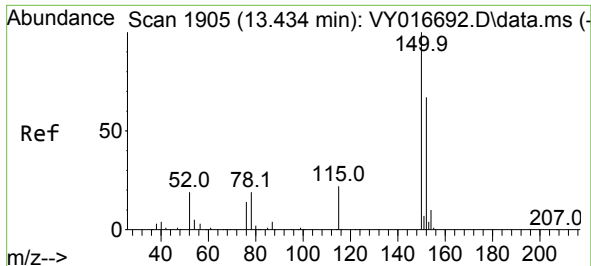
Tgt Ion: 95 Resp: 62233
Ion Ratio Lower Upper
95 100
174 103.3 0.0 181.0
176 99.1 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

Tgt Ion: 117 Resp: 177883
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 30.9 25.8 38.8

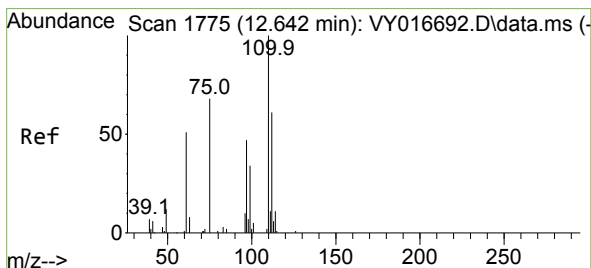
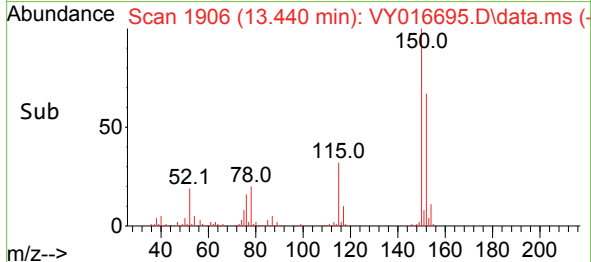
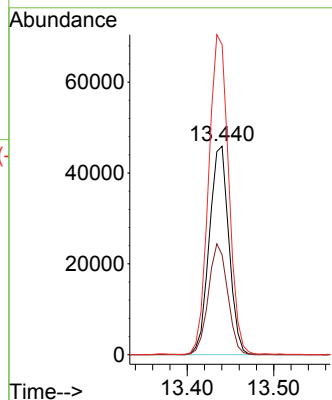
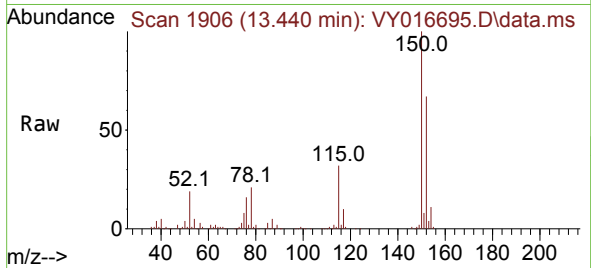




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY016695.D
 Acq: 19 Dec 2023 13:12

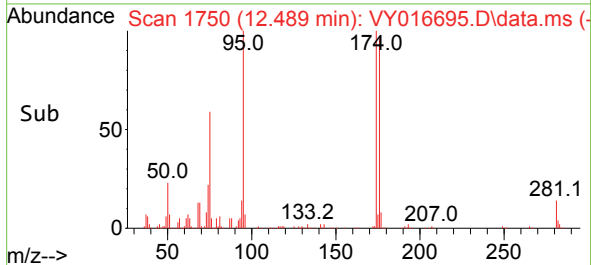
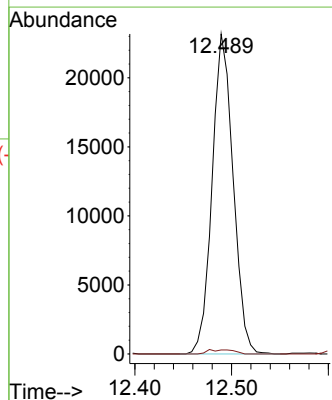
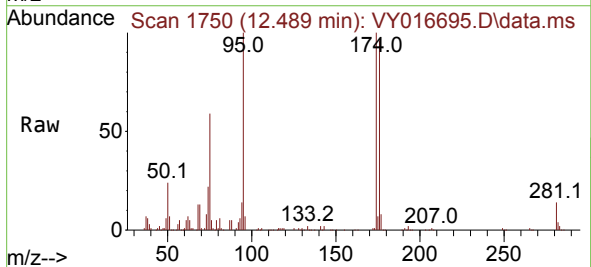
Instrument :
 MSVOA_Y
 ClientSampleId :

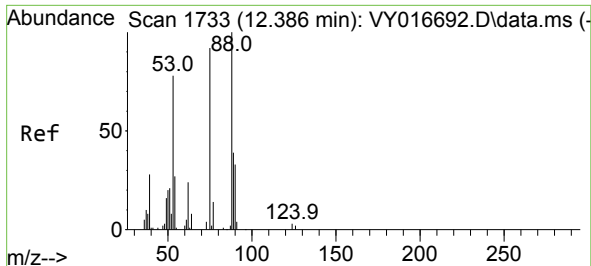
Tgt Ion:152 Resp: 72114
 Ion Ratio Lower Upper
 152 100
 115 52.3 28.2 84.7
 150 157.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 55.781 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016695.D
 Acq: 19 Dec 2023 13:12

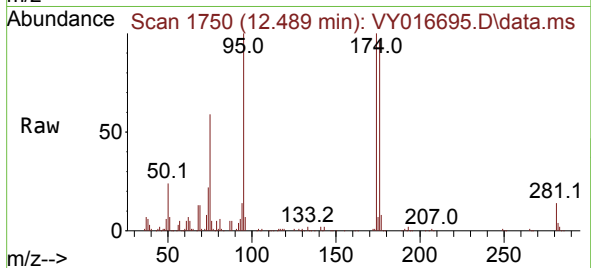
Tgt Ion: 75 Resp: 34967
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



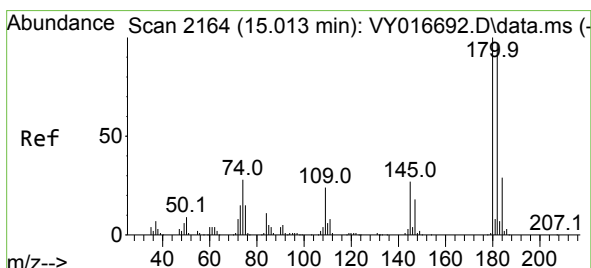
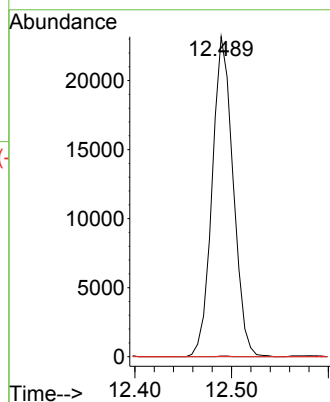
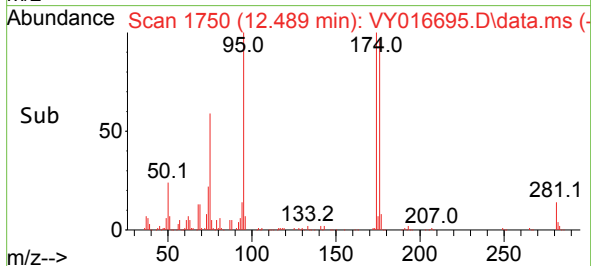


#81
trans-1,4-Dichloro-2-butene
Concen: 127.985 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12

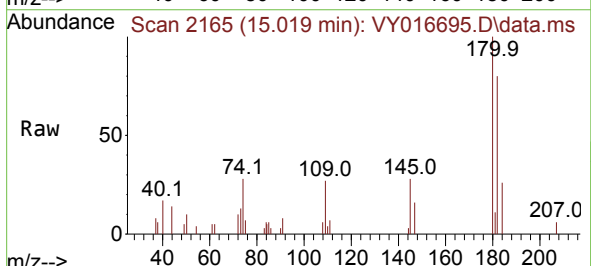
Instrument :
MSVOA_Y
ClientSampleId :



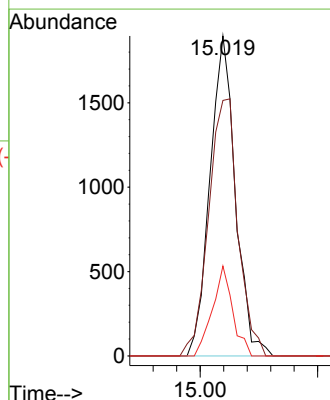
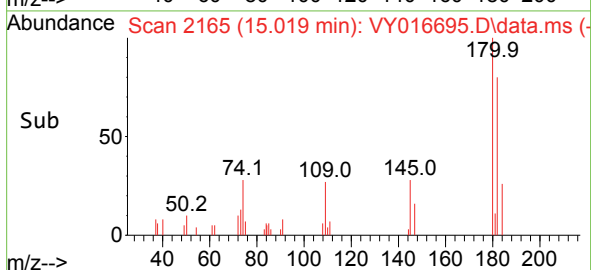
Tgt Ion: 75 Resp: 34967
Ion Ratio Lower Upper
75 100
53 0.1 62.9 94.3#
89 0.0 35.8 53.8#

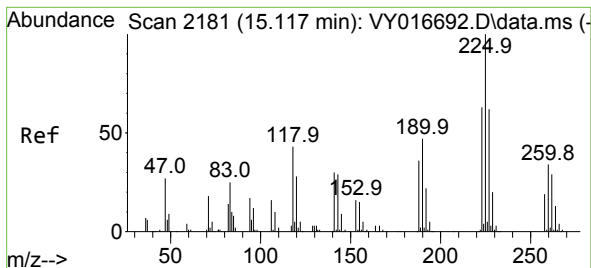


#93
1,2,4-Trichlorobenzene
Concen: 2.437 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY016695.D
Acq: 19 Dec 2023 13:12



Tgt Ion:180 Resp: 2847
Ion Ratio Lower Upper
180 100
182 92.8 47.6 142.9
145 22.4 14.8 44.4





#94

Hexachlorobutadiene

Concen: 1.066 ug/l

RT: 15.123 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016695.D

Acq: 19 Dec 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

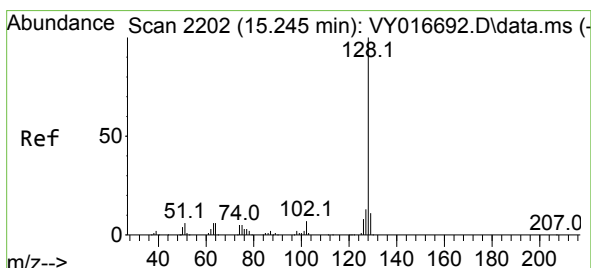
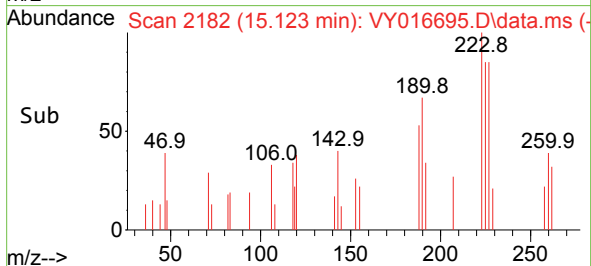
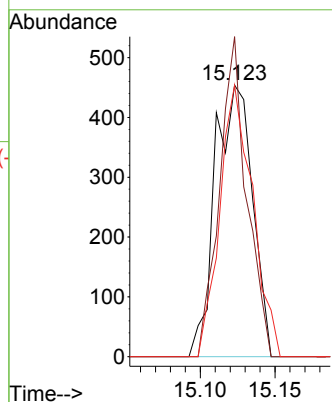
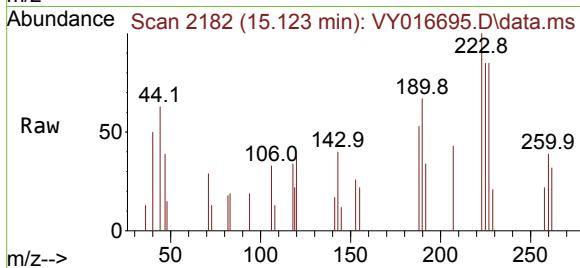
Tgt Ion:225 Resp: 787

Ion Ratio Lower Upper

225 100

223 86.3 31.4 94.2

227 88.1 31.9 95.9



#95

Naphthalene

Concen: 2.829 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016695.D

Acq: 19 Dec 2023 13:12

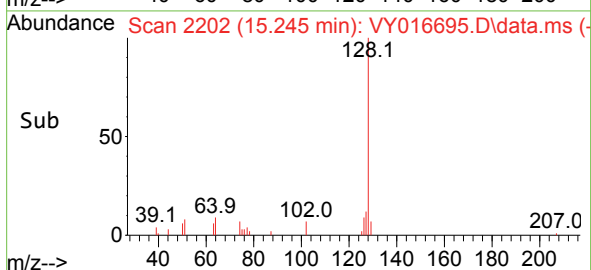
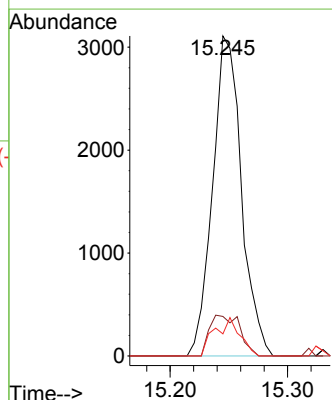
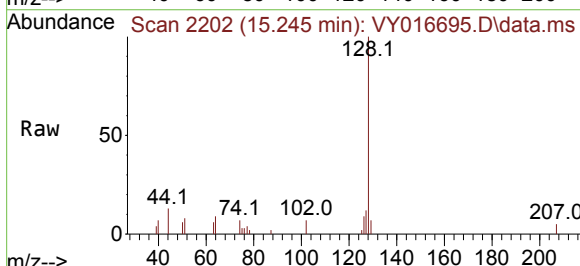
Tgt Ion:128 Resp: 5291

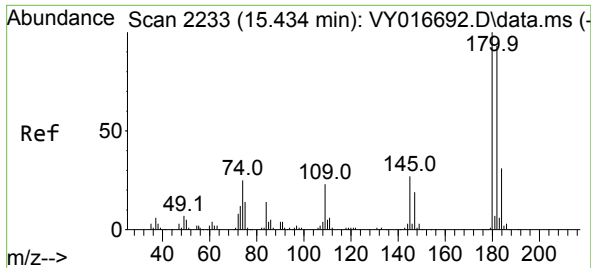
Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

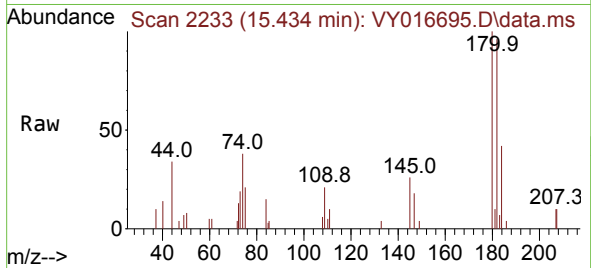
129 10.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 3.013 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016695.D
 Acq: 19 Dec 2023 13:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	2977
Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.3	141.8
145	25.8	15.5	46.5

