

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016031.D
 Acq On : 18 Oct 2023 19:39
 Operator : SY/MD
 Sample : 04887-01RE
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 19 03:28:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

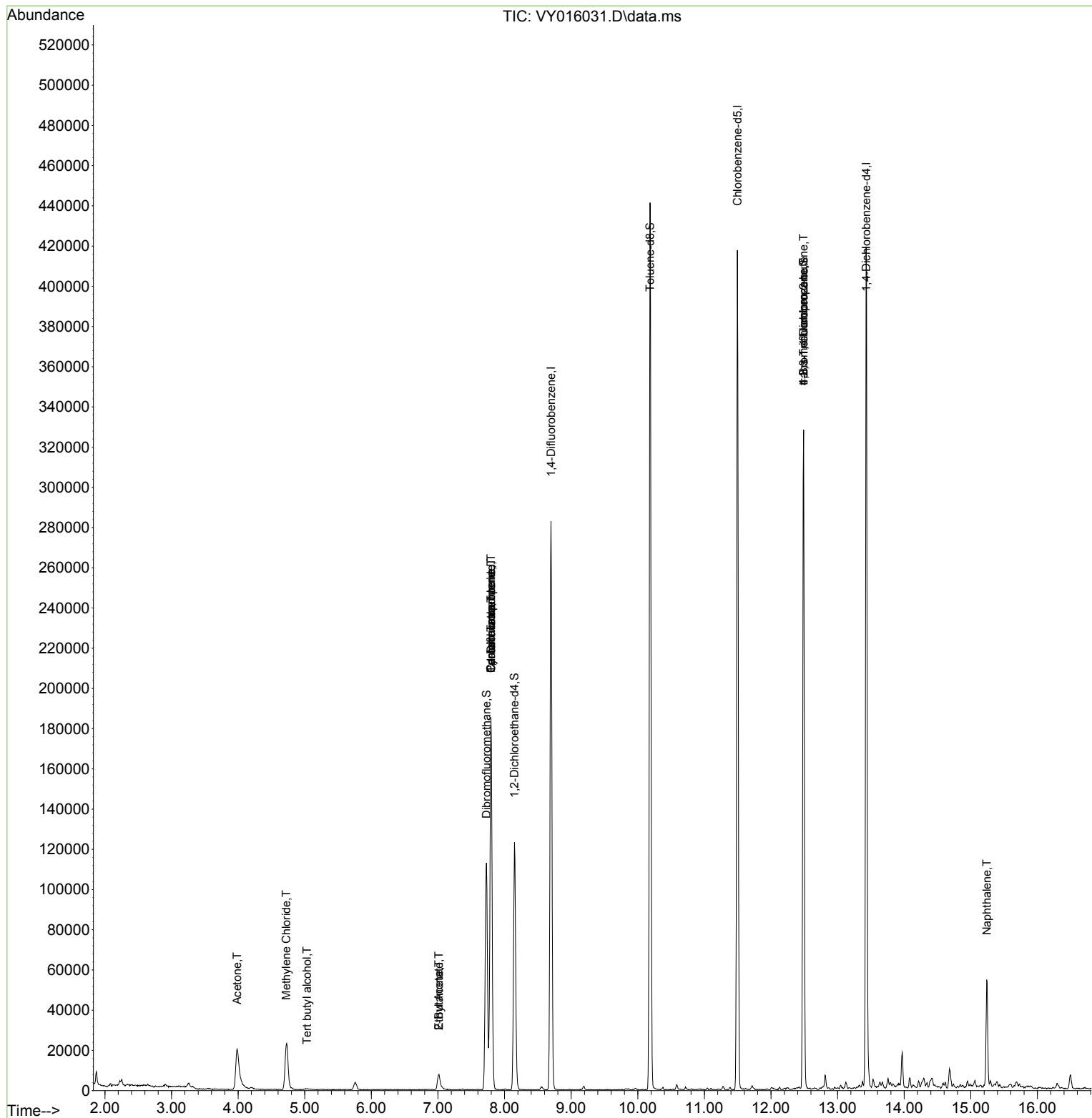
Internal Standards						
1) Pentafluorobenzene	7.795	168	142633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	242552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	227520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94437	58.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.500%
35) Dibromofluoromethane	7.728	113	81580	51.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.185	98	284230	49.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.489	95	98752	47.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.033	59	1391	5.559	ug/l #	89
13) Acrolein	3.729	56	34	Below Cal	#	26
16) Acetone	3.985	43	54003	89.866	ug/l	91
20) Methylene Chloride	4.723	84	18466	10.344	ug/l #	85
25) 2-Butanone	7.015	43	15962	19.392	ug/l	93
31) Cyclohexane	7.795	56	3192	1.258	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	10395	4.328	ug/l #	50
37) Ethyl Acetate	7.015	43	15962	9.219	ug/l #	71
38) Carbon Tetrachloride	7.795	117	14095	5.521	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	50726	33.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	50726	72.139	ug/l #	11
95) Naphthalene	15.239	128	46030	8.372	ug/l	99

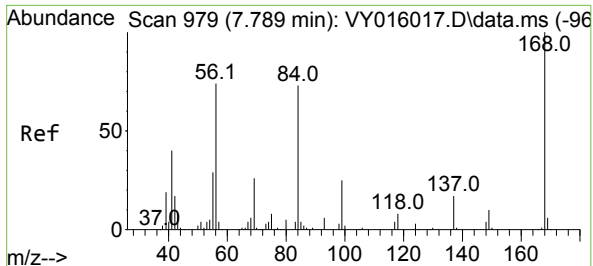
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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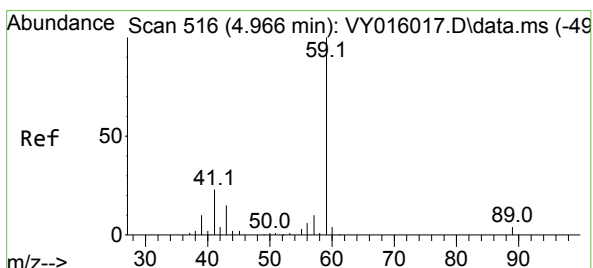
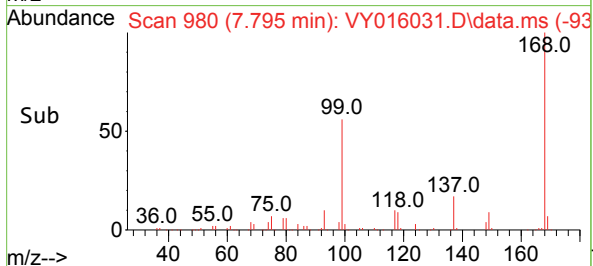
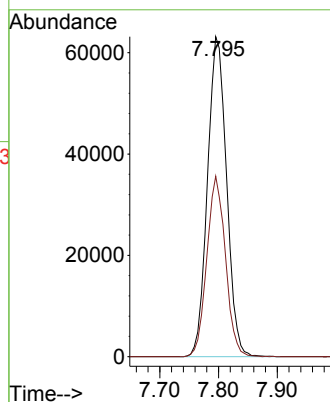
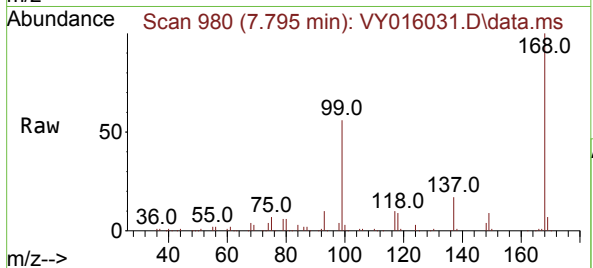




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

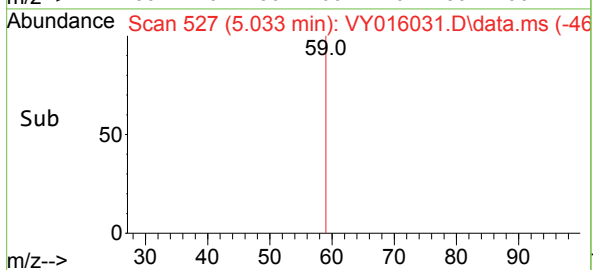
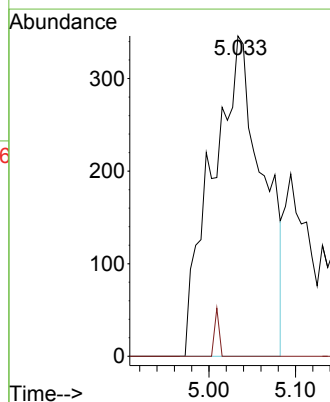
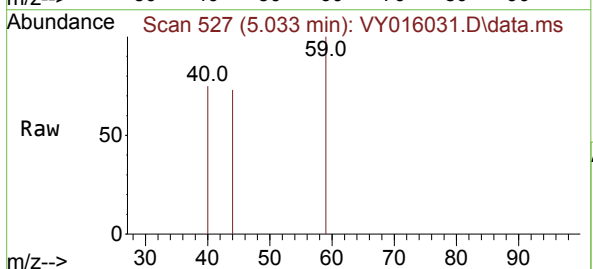
Instrument :
MSVOA_Y
ClientSampleId :

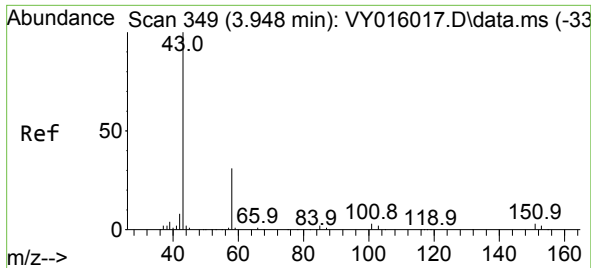
Tgt Ion:168 Resp: 142633
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.559 ug/l
RT: 5.033 min Scan# 527
Delta R.T. 0.067 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

Tgt Ion: 59 Resp: 1391
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

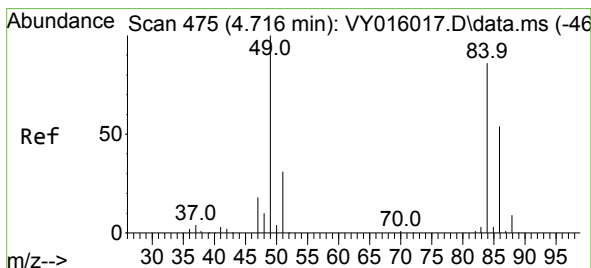
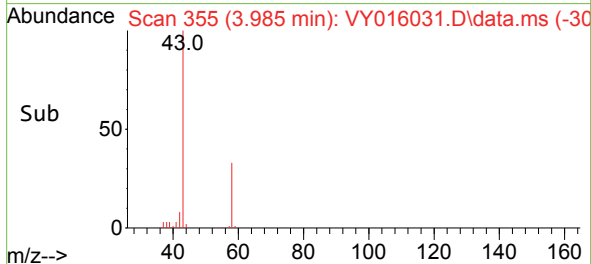
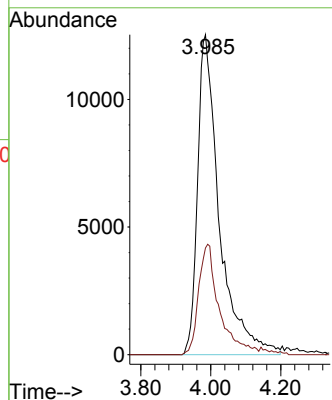
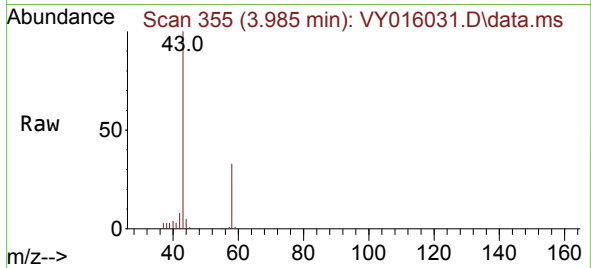




#16
Acetone
Concen: 89.866 ug/l
RT: 3.985 min Scan# 31
Delta R.T. 0.037 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

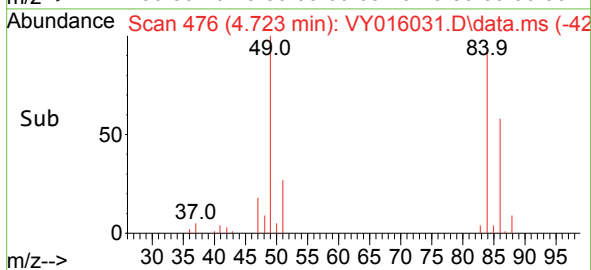
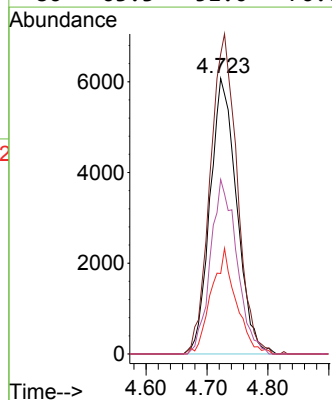
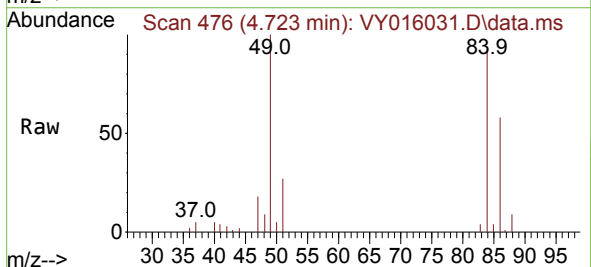
Instrument :
MSVOA_Y
ClientSampleId :

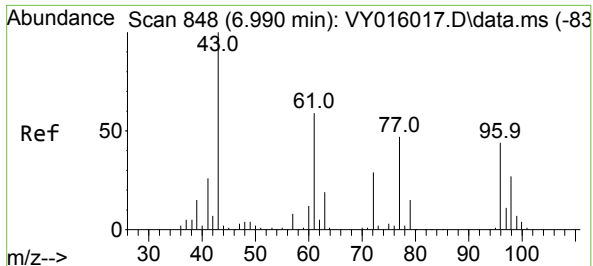
Tgt Ion: 43 Resp: 54003
Ion Ratio Lower Upper
43 100
58 33.4 22.7 34.1



#20
Methylene Chloride
Concen: 10.344 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

Tgt Ion: 84 Resp: 18466
Ion Ratio Lower Upper
84 100
49 108.8 106.9 160.3
51 29.2 33.2 49.8#
86 63.3 51.0 76.6





#25

2-Butanone

Concen: 19.392 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

Instrument :

MSVOA_Y

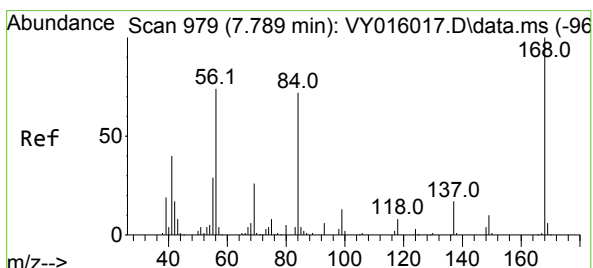
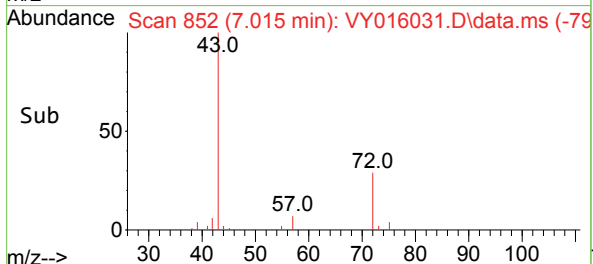
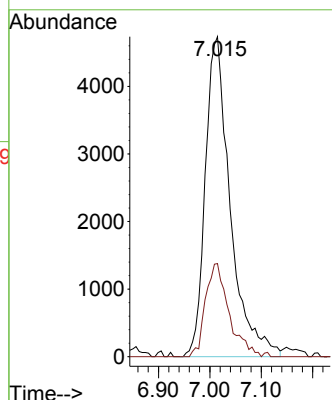
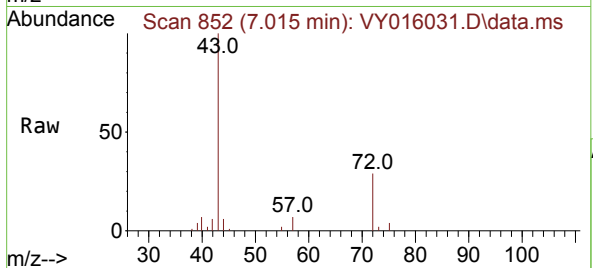
ClientSampleId :

Tgt Ion: 43 Resp: 15962

Ion Ratio Lower Upper

43 100

72 29.1 20.5 30.7



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

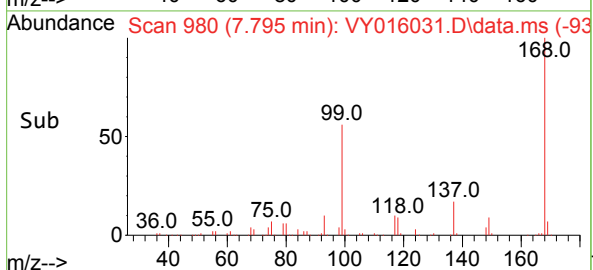
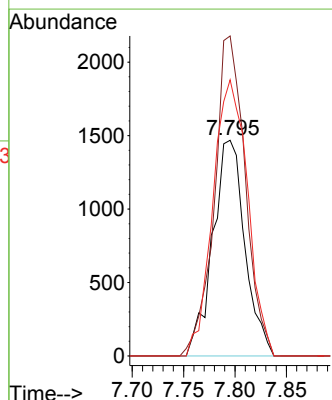
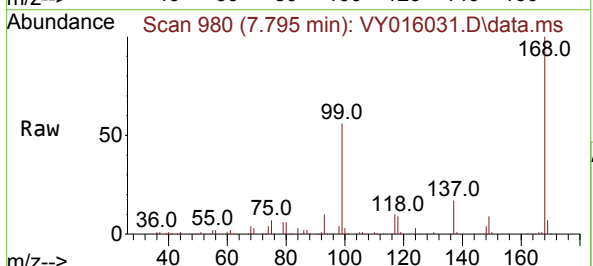
Tgt Ion: 56 Resp: 3192

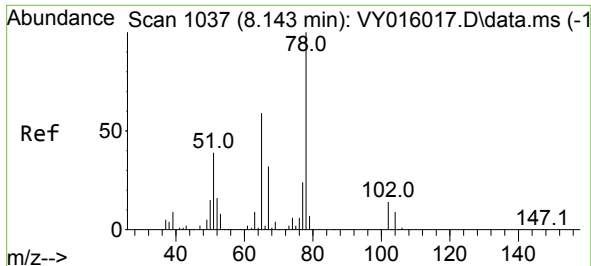
Ion Ratio Lower Upper

56 100

69 148.4 27.8 41.6#

84 128.1 66.4 99.6#

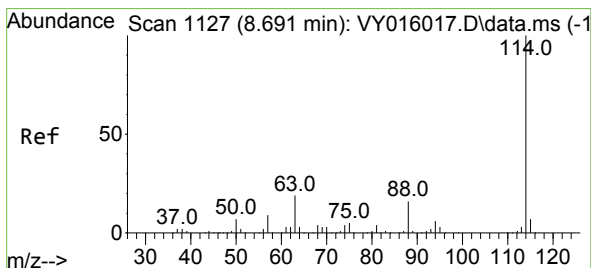
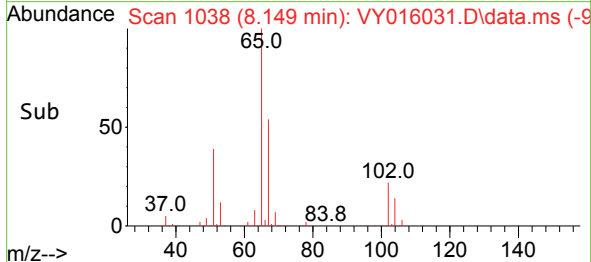
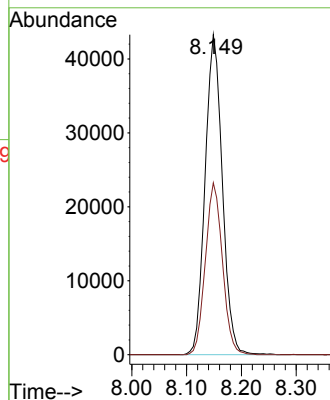
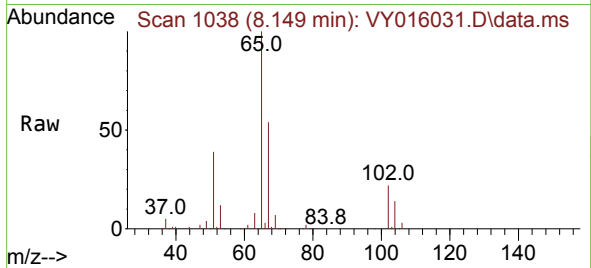




#33
1,2-Dichloroethane-d4
Concen: 58.254 ug/l
RT: 8.149 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

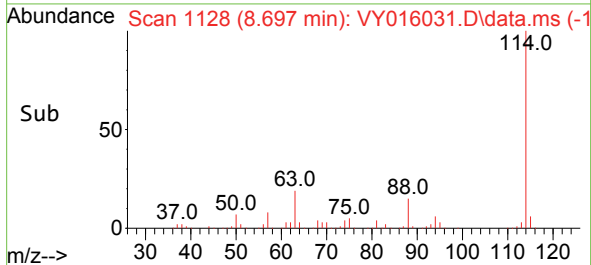
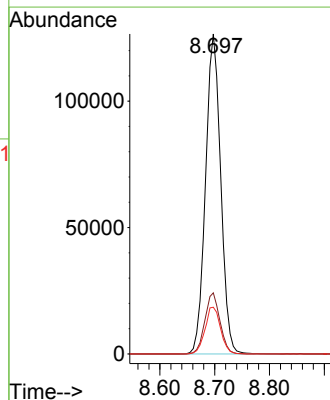
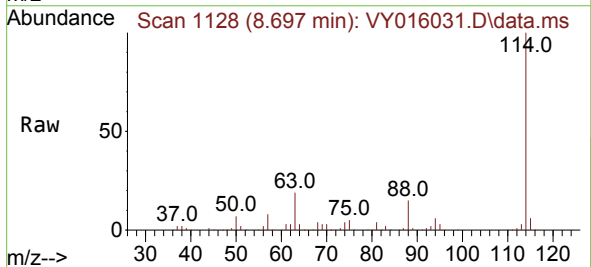
Instrument :
MSVOA_Y
ClientSampleId :

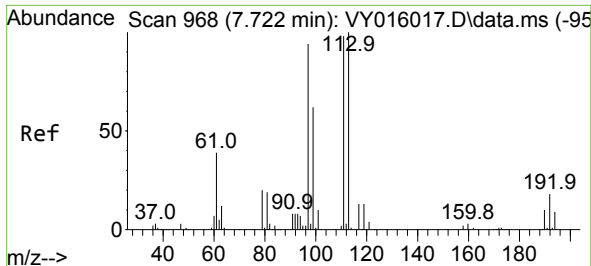
Tgt Ion: 65 Resp: 94437
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

Tgt Ion:114 Resp: 242552
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.6 0.0 30.6

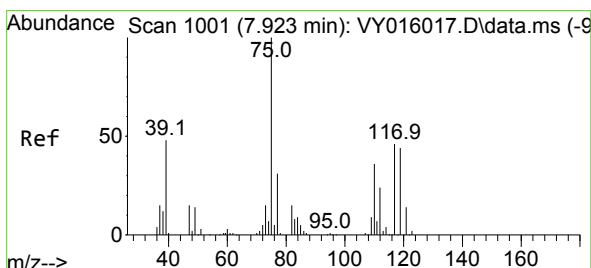
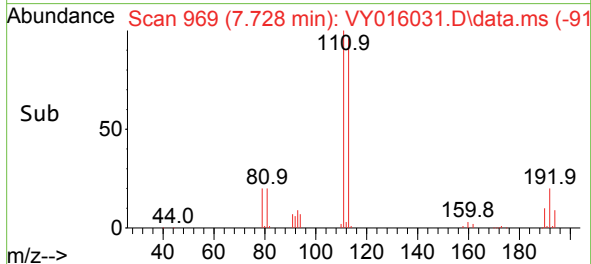
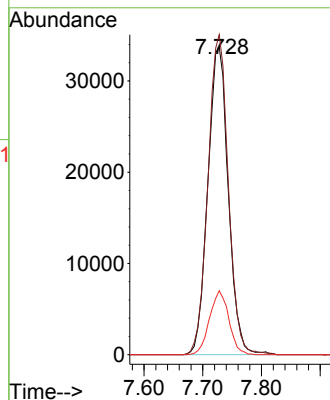
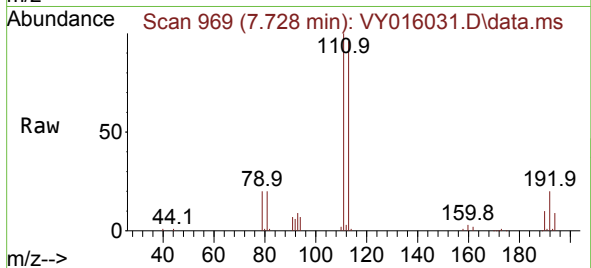




#35
Dibromofluoromethane
Concen: 51.099 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

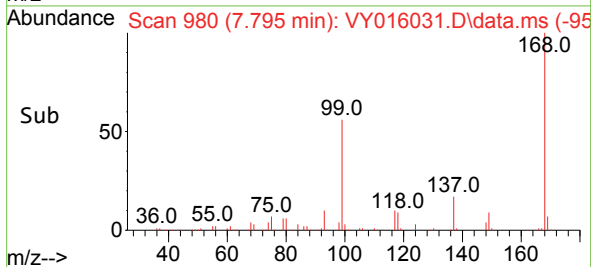
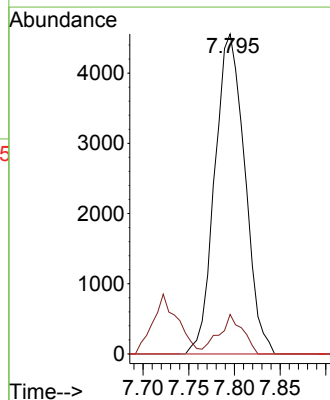
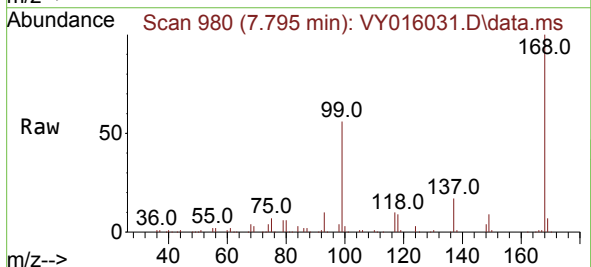
Instrument :
MSVOA_Y
ClientSampleId :

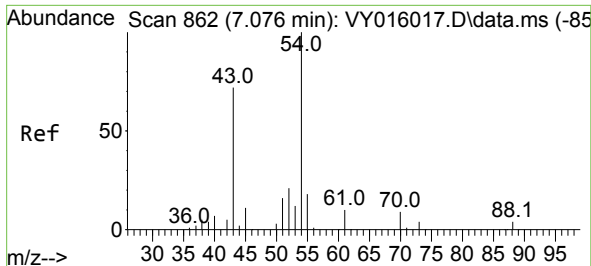
Tgt Ion:113 Resp: 81580
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

Tgt Ion: 75 Resp: 10395
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.219 ug/l

RT: 7.015 min Scan# 81

Delta R.T. -0.061 min

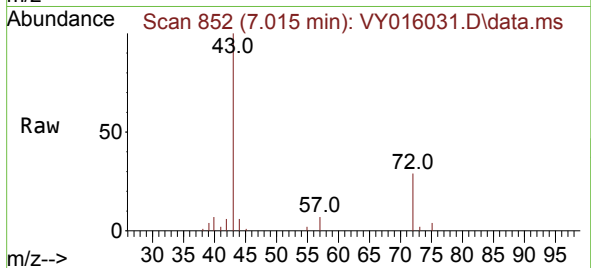
Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

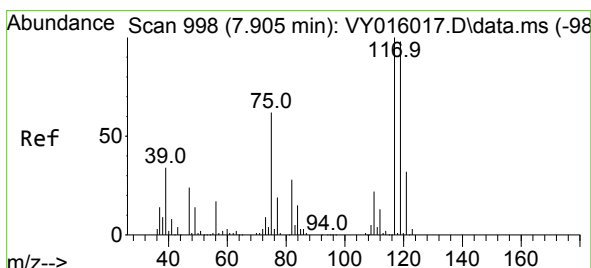
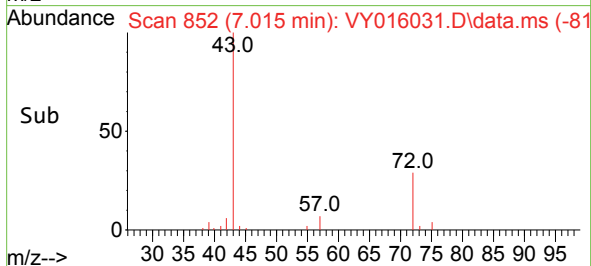
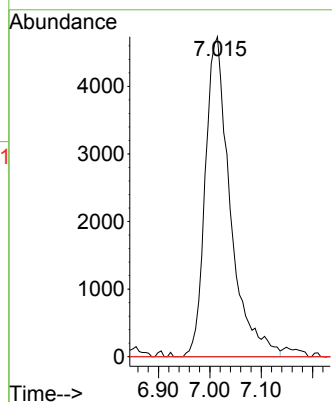
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	15962
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

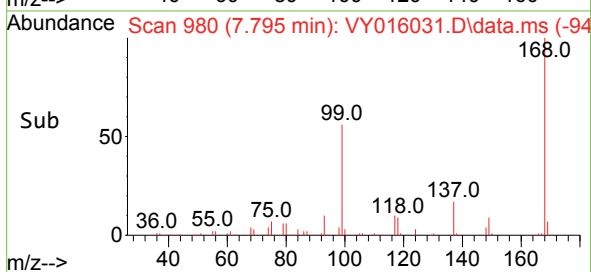
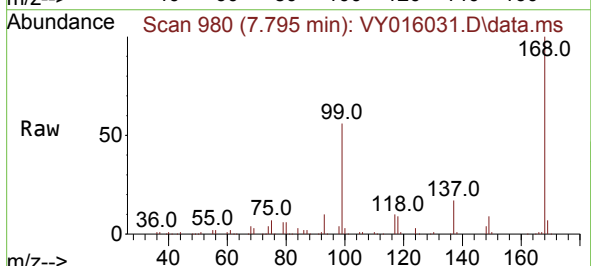
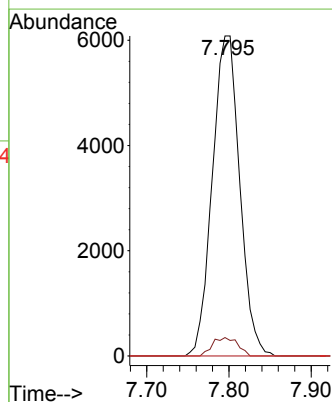
RT: 7.795 min Scan# 980

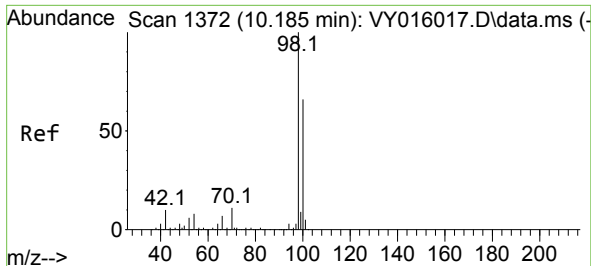
Delta R.T. -0.110 min

Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

Tgt Ion:	117	Resp:	14095
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.4	114.6#
121	0.0	25.8	38.6#

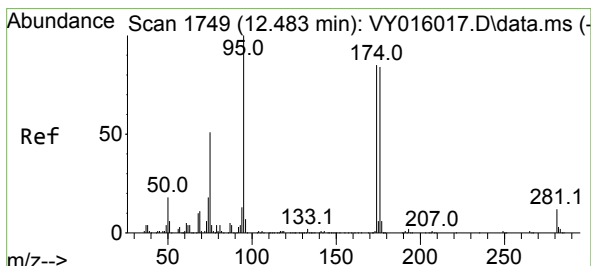
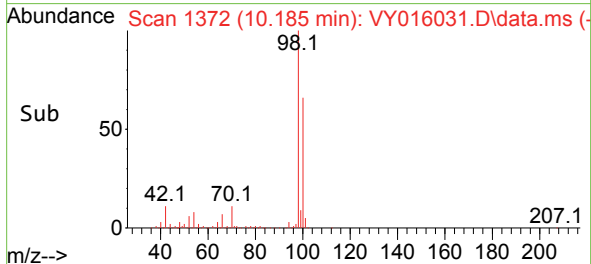
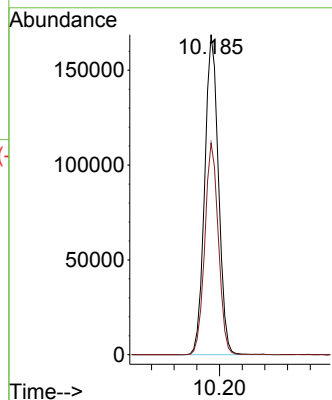
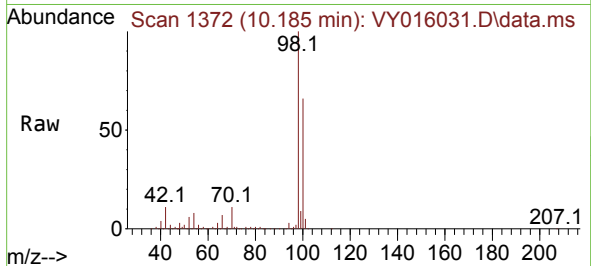




#50
Toluene-d8
Concen: 49.020 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

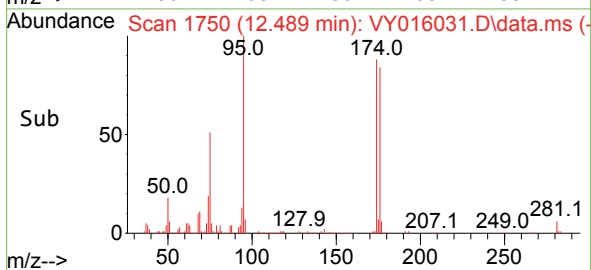
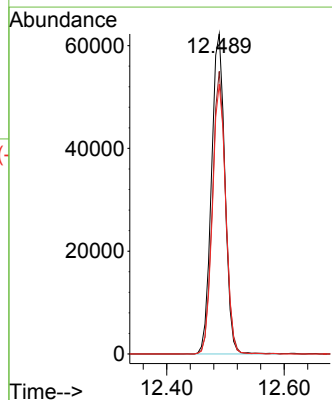
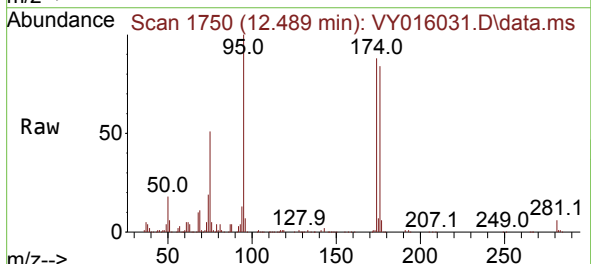
Instrument :
MSVOA_Y
ClientSampleId :

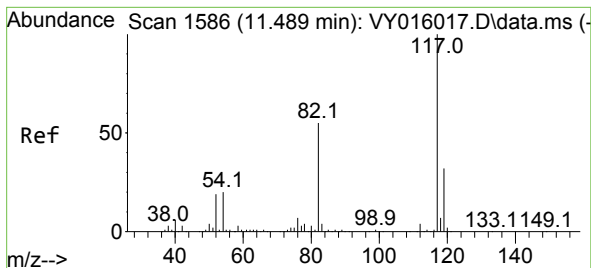
Tgt Ion: 98 Resp: 284230
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.732 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

Tgt Ion: 95 Resp: 98752
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 83.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

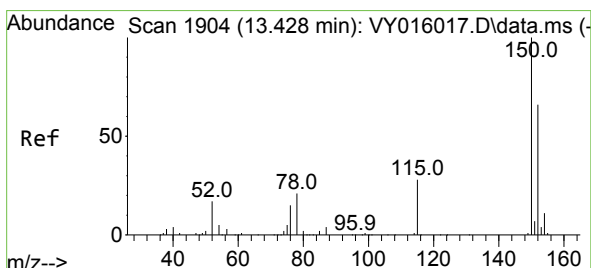
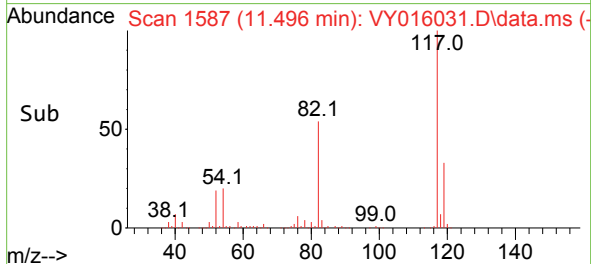
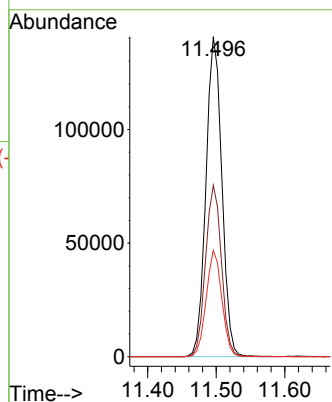
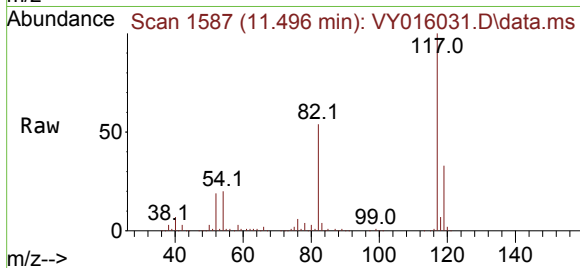
Tgt Ion:117 Resp: 227520

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016031.D

Acq: 18 Oct 2023 19:39

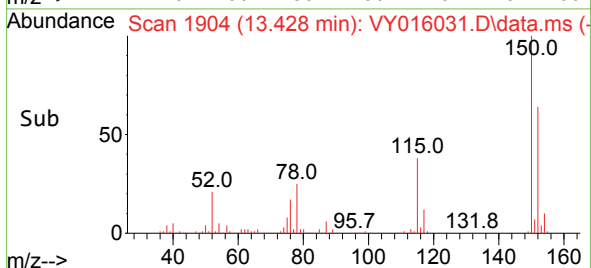
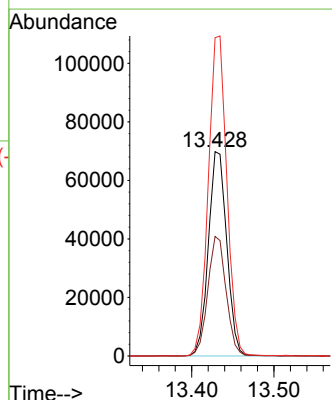
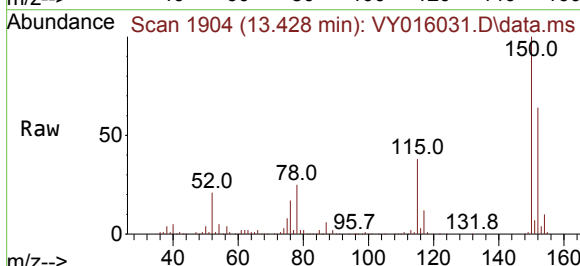
Tgt Ion:152 Resp: 108409

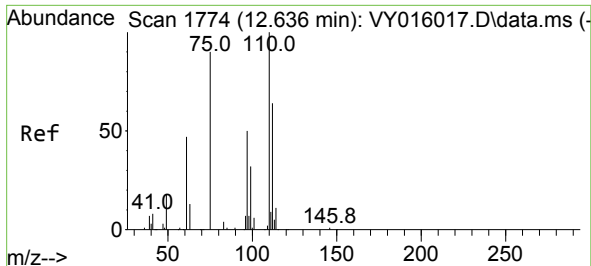
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 157.6 0.0 348.8

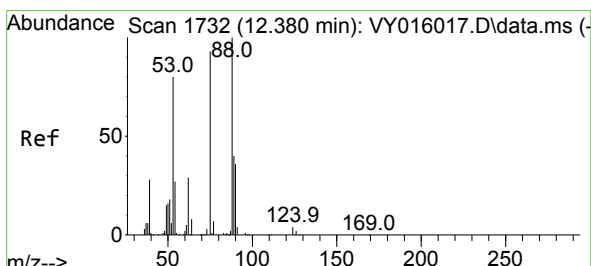
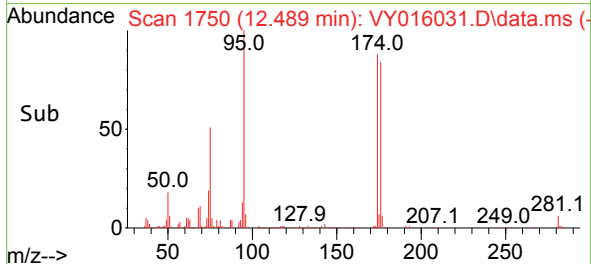
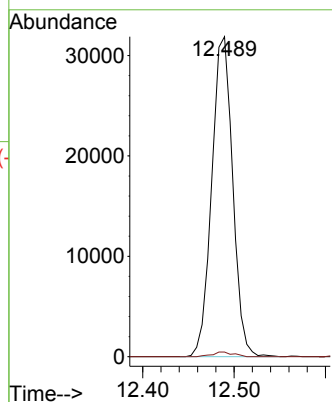
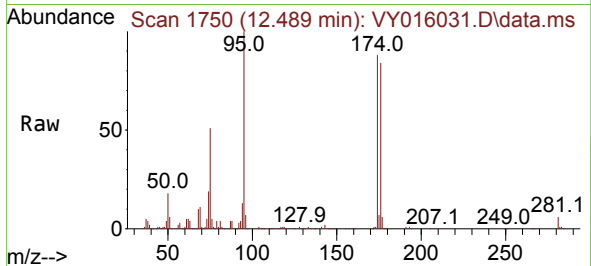




#76
1,2,3-Trichloropropane
Concen: 33.047 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

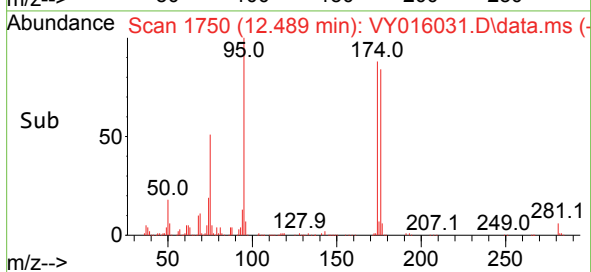
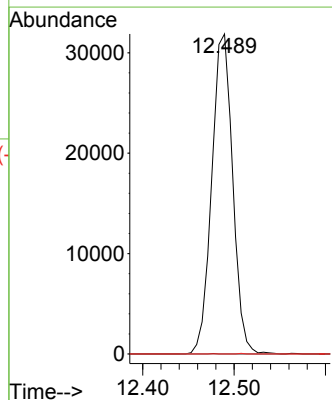
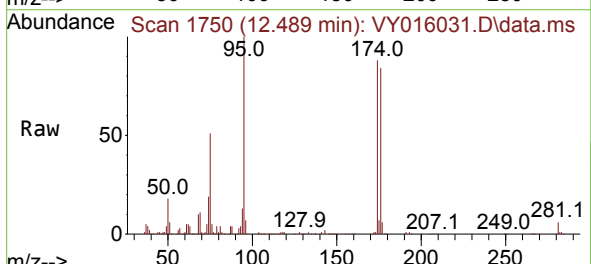
Instrument :
MSVOA_Y
ClientSampleId :

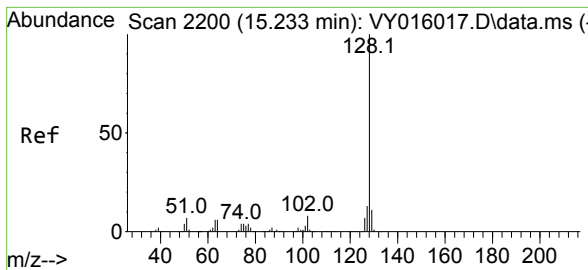
Tgt Ion: 75 Resp: 50726
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.139 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY016031.D
Acq: 18 Oct 2023 19:39

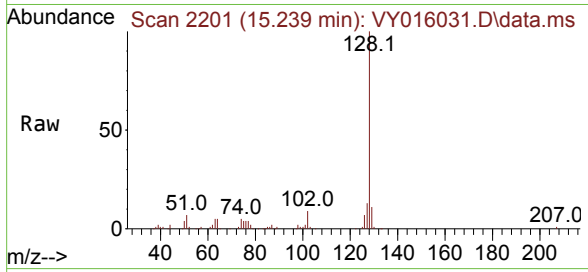
Tgt Ion: 75 Resp: 50726
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 8.372 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016031.D
 Acq: 18 Oct 2023 19:39

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	46030
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.5	8.6	13.0

