

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015150.D
 Acq On : 16 Aug 2023 15:18
 Operator : SY/MD
 Sample : 04003-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:30:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

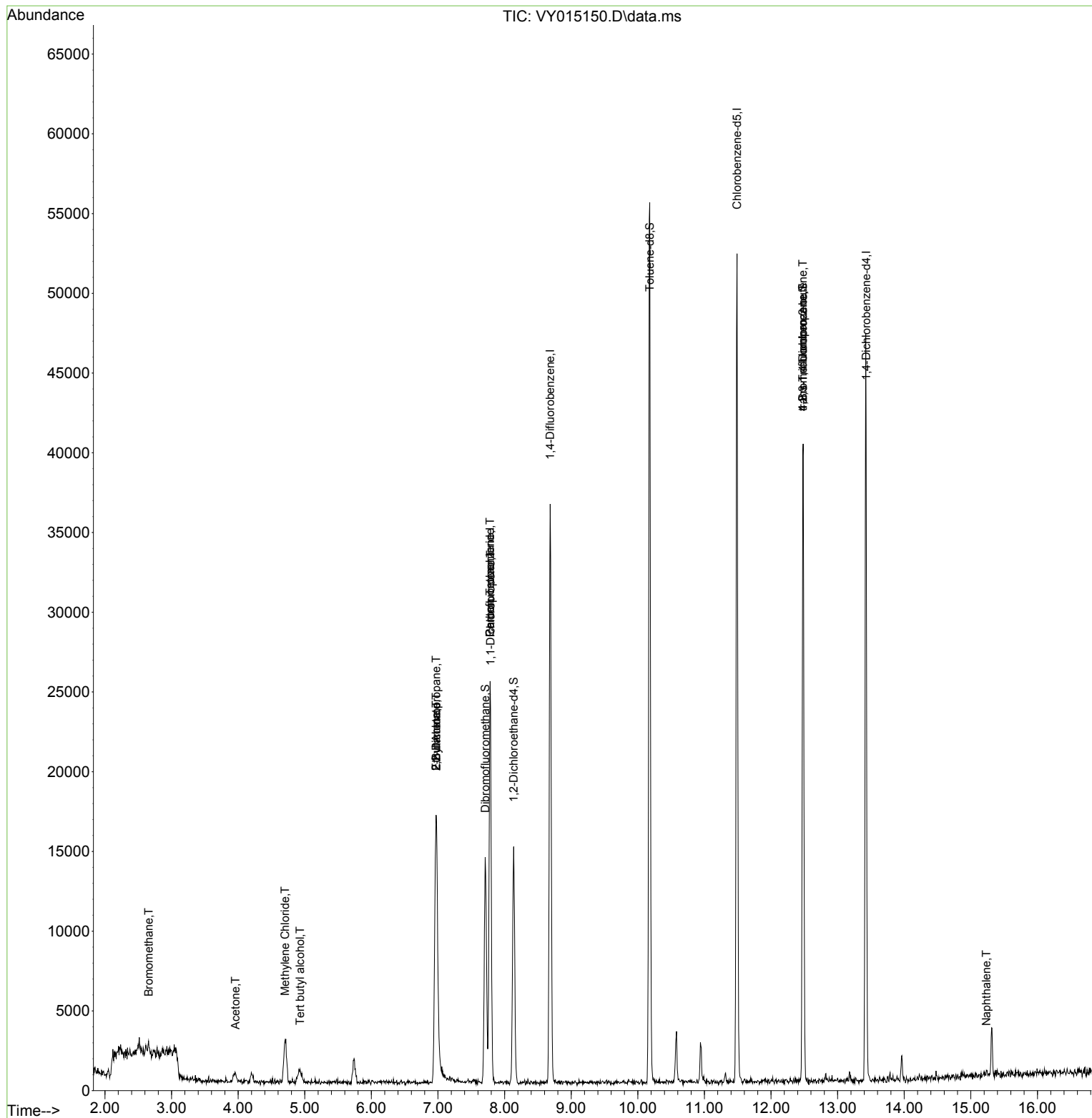
Internal Standards						
1) Pentafluorobenzene	7.783	168	19663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	28515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11300	47.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.740%
35) Dibromofluoromethane	7.710	113	9897	47.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.160%
50) Toluene-d8	10.179	98	37067	47.865	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.477	95	11320	40.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	174	Below Cal	#	43
5) Bromomethane	2.656	94	330	1.691	ug/l #	74
11) Tert butyl alcohol	4.930	59	840	5.790	ug/l #	89
16) Acetone	3.960	43	1106	14.343	ug/l #	75
20) Methylene Chloride	4.704	84	2201	8.302	ug/l	96
25) 2-Butanone	6.972	43	1020	9.342	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1518	4.805	ug/l #	54
31) Cyclohexane	7.783	56	428	Below Cal	#	19
36) 1,1-Dichloropropene	7.789	75	1729	7.513	ug/l #	45
37) Ethyl Acetate	6.972	43	1020	4.755	ug/l #	51
38) Carbon Tetrachloride	7.783	117	1863	6.840	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	6291	44.125	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6291	96.920	ug/l #	10
95) Naphthalene	15.233	128	552	1.013	ug/l #	69

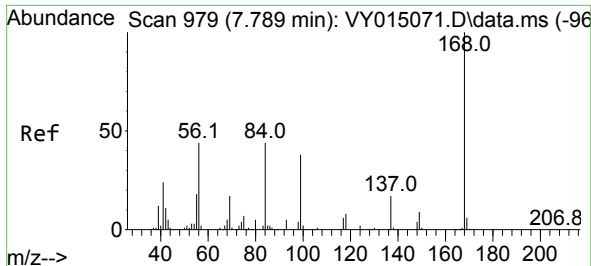
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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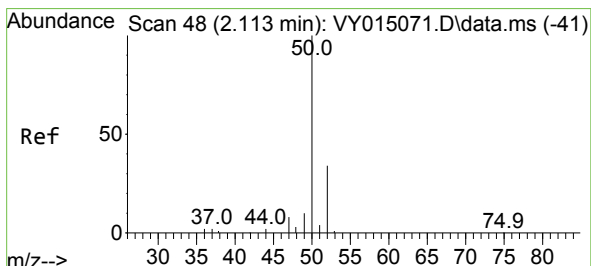
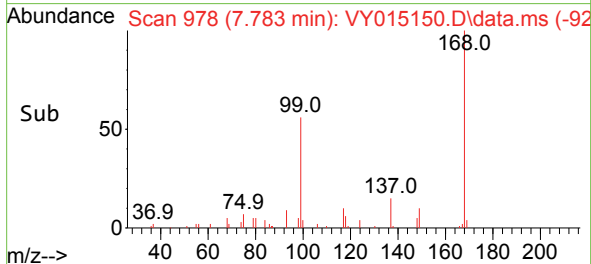
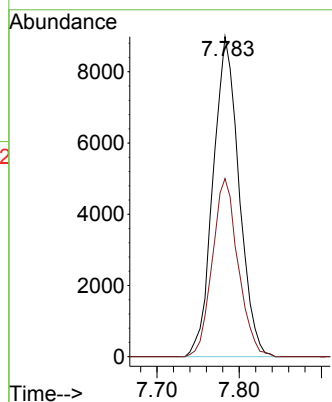
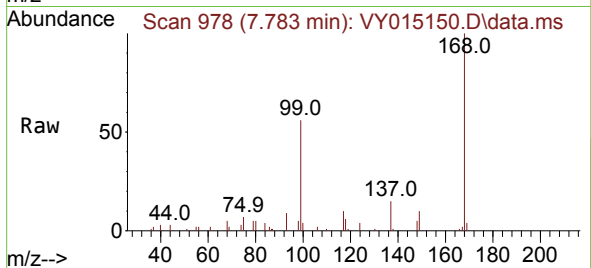




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

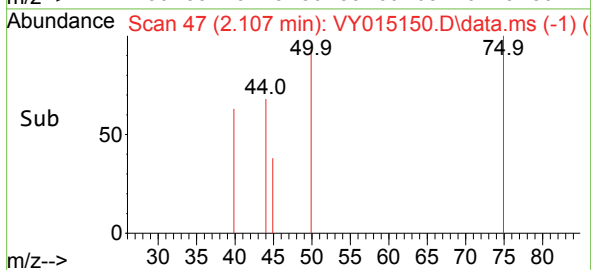
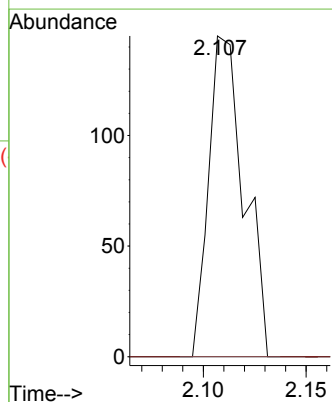
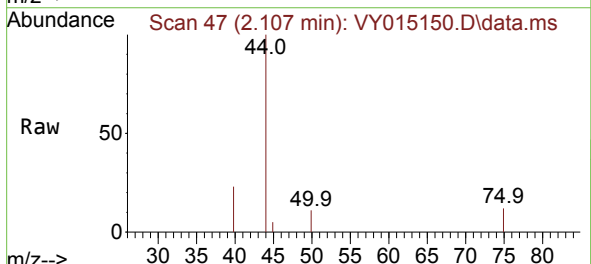
Instrument :
MSVOA_Y
ClientSampleId :

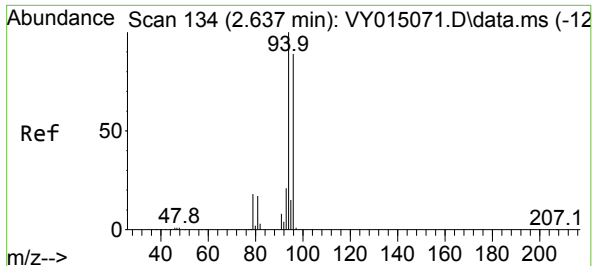
Tgt Ion:168 Resp: 19663
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

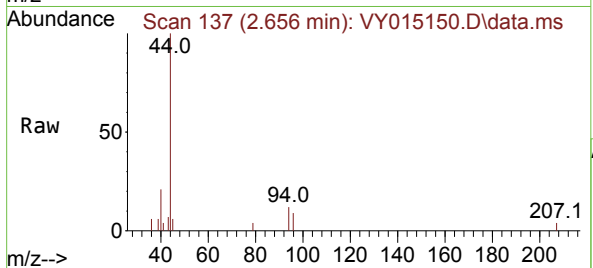
Tgt Ion: 50 Resp: 174
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



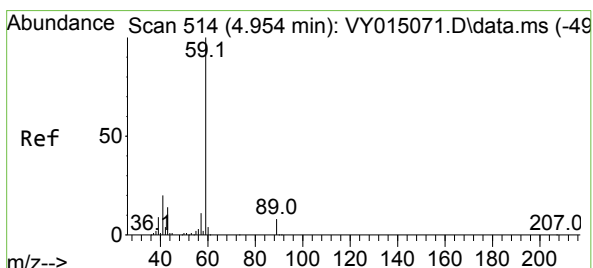
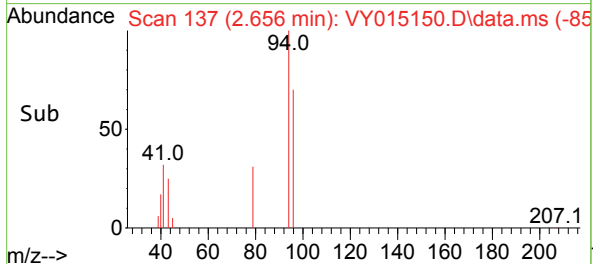
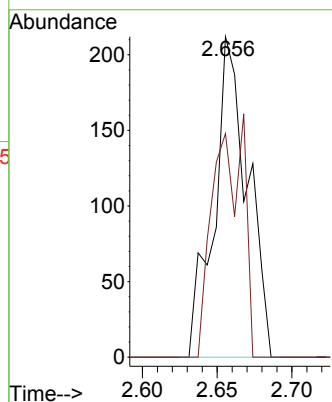


#5
Bromomethane
Concen: 1.691 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Instrument :
MSVOA_Y
ClientSampleId :

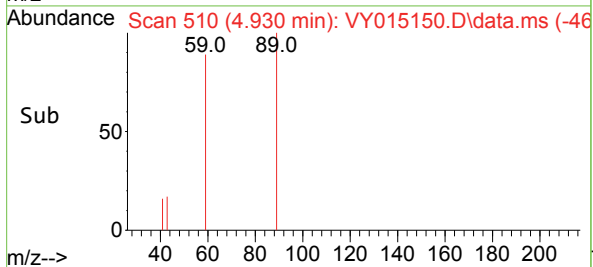
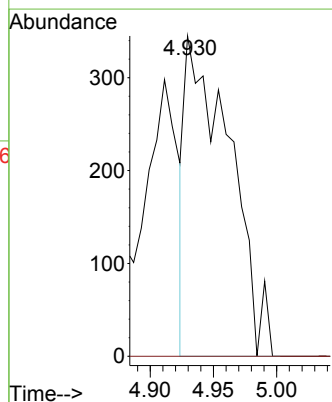
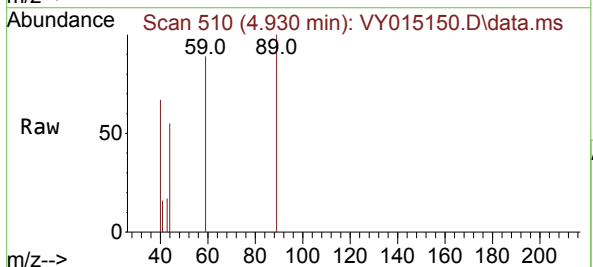


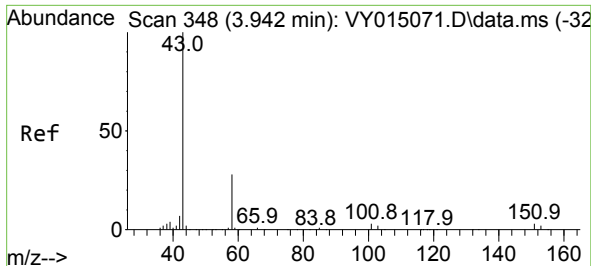
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 69.8 75.8 113.6#



#11
Tert butyl alcohol
Concen: 5.790 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Tgt Ion: 59 Resp: 840
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

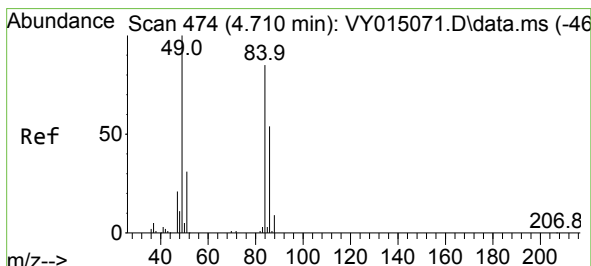
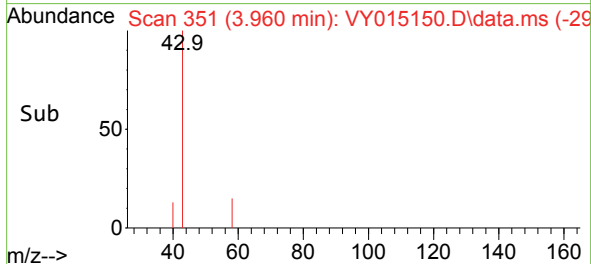
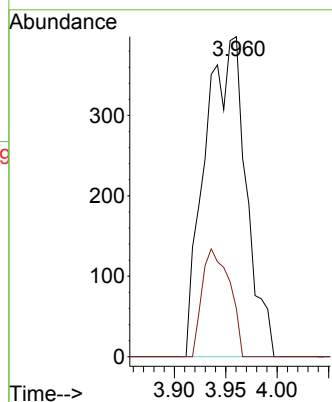
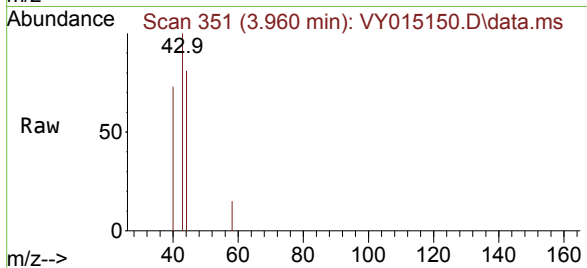




#16
Acetone
Concen: 14.343 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

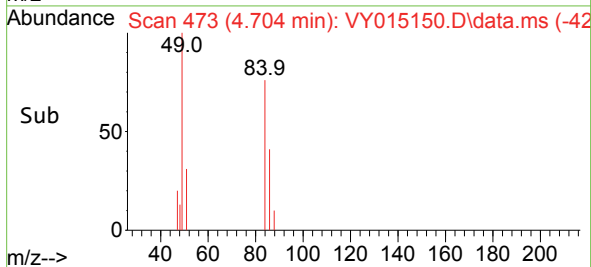
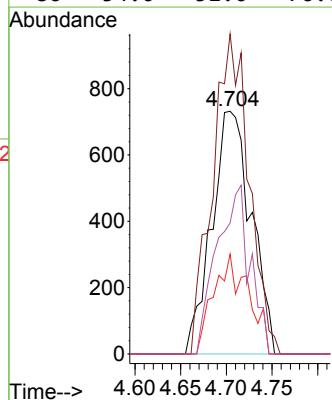
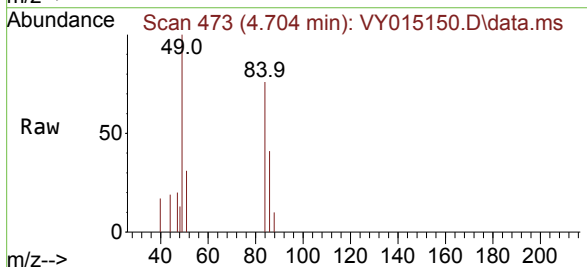
Instrument :
MSVOA_Y
ClientSampleId :

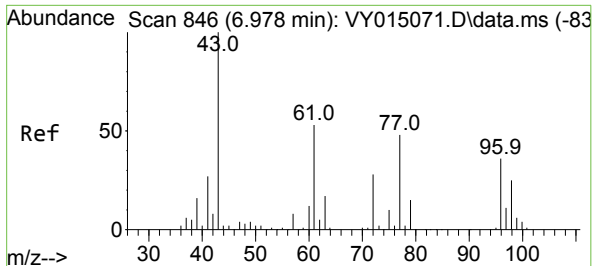
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
58 15.1 22.7 34.1#



#20
Methylene Chloride
Concen: 8.302 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Tgt Ion: 84 Resp: 2201
Ion Ratio Lower Upper
84 100
49 131.8 106.9 160.3
51 41.1 33.2 49.8
86 54.0 51.0 76.6





#25

2-Butanone

Concen: 9.342 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015150.D

Acq: 16 Aug 2023 15:18

Instrument :

MSVOA_Y

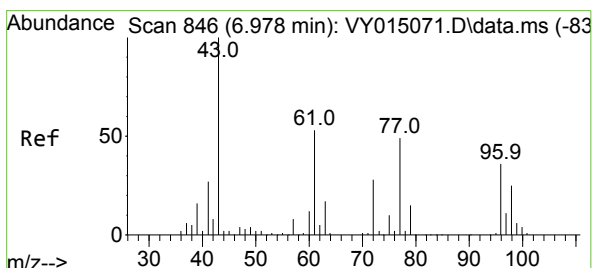
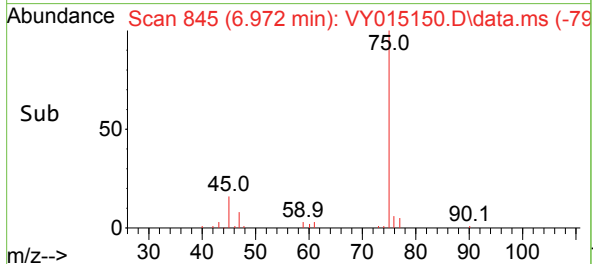
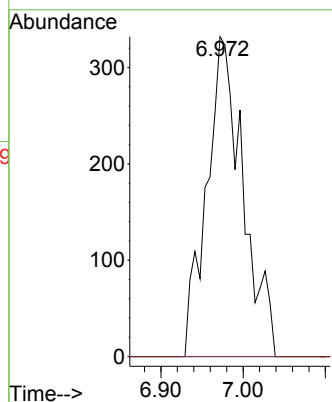
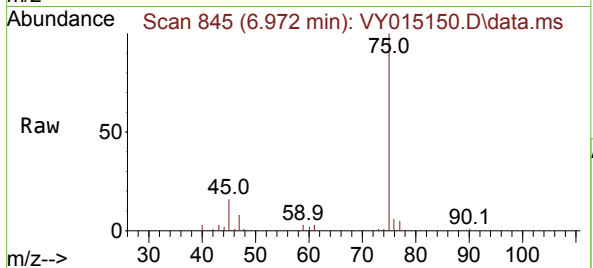
ClientSampleId :

Tgt Ion: 43 Resp: 1020

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 4.805 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY015150.D

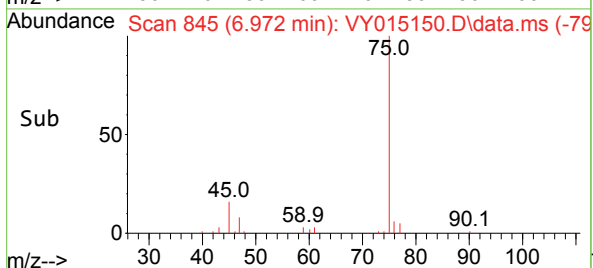
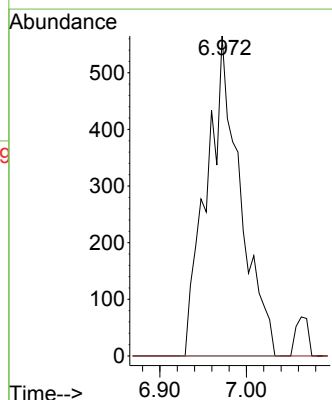
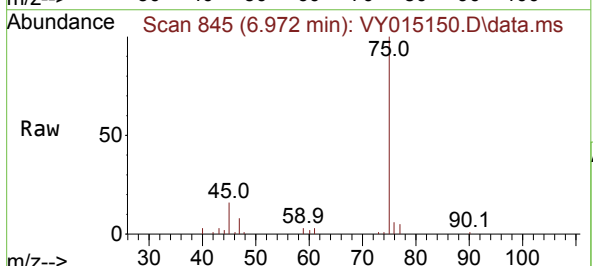
Acq: 16 Aug 2023 15:18

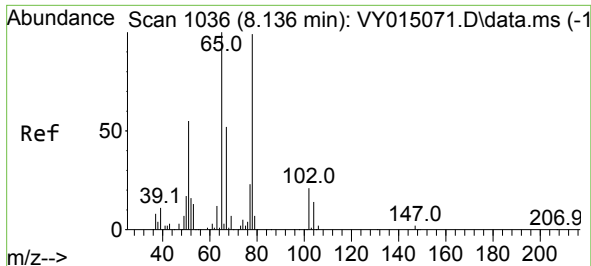
Tgt Ion: 77 Resp: 1518

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 47.874 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015150.D

Acq: 16 Aug 2023 15:18

Instrument :

MSVOA_Y

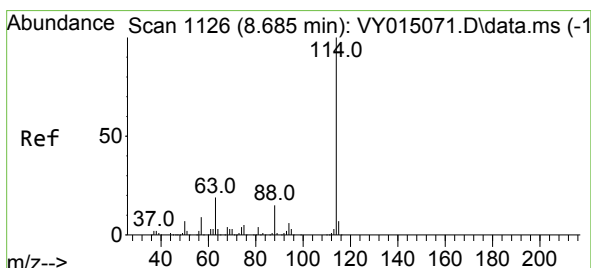
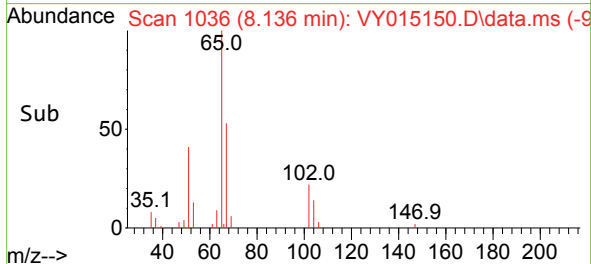
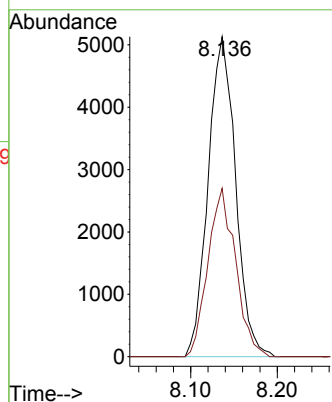
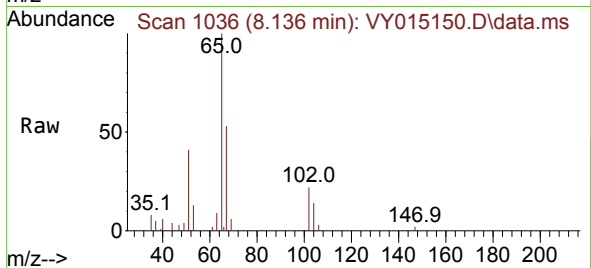
ClientSampleId :

Tgt Ion: 65 Resp: 11300

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015150.D

Acq: 16 Aug 2023 15:18

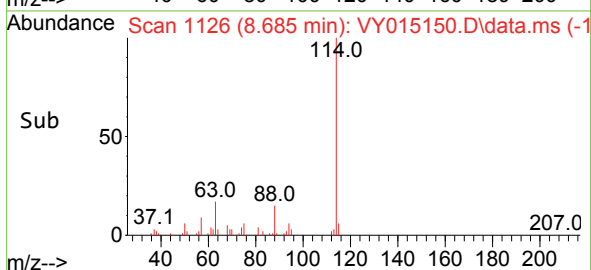
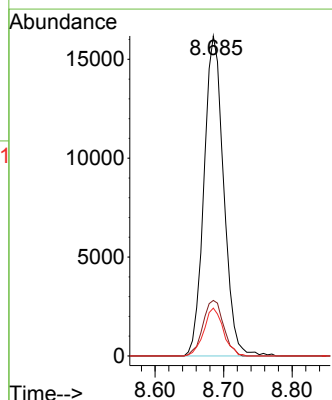
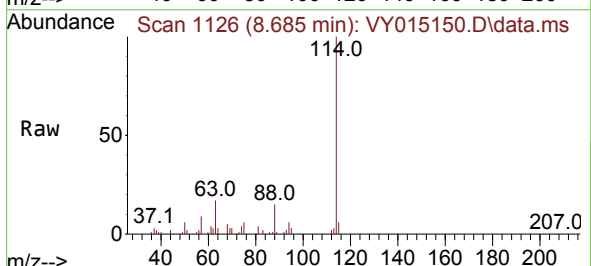
Tgt Ion: 114 Resp: 32336

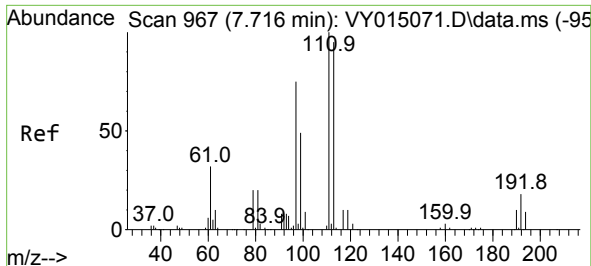
Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

88 15.0 0.0 30.6

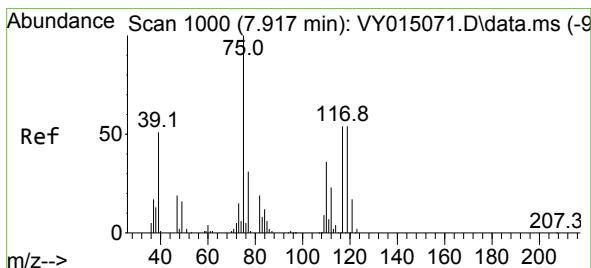
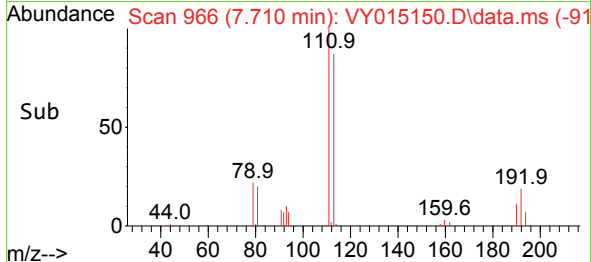
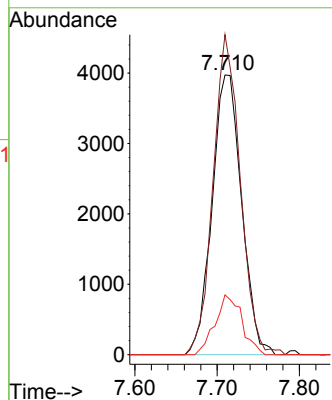
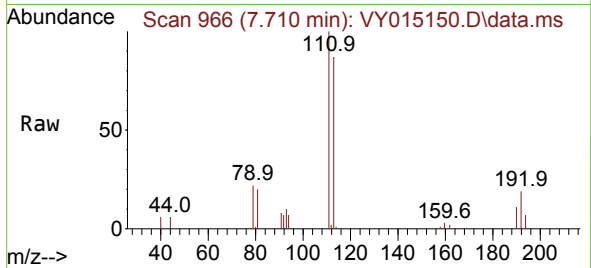




#35
Dibromofluoromethane
Concen: 47.575 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

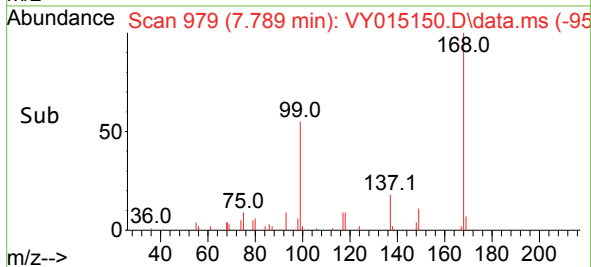
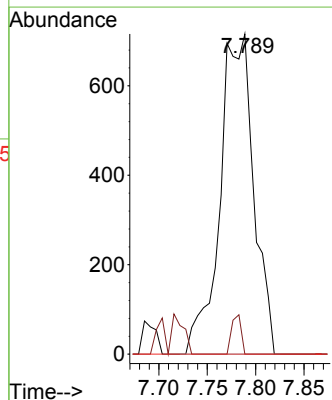
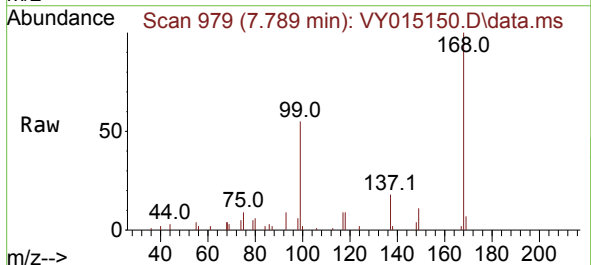
Instrument :
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ClientSampleId :

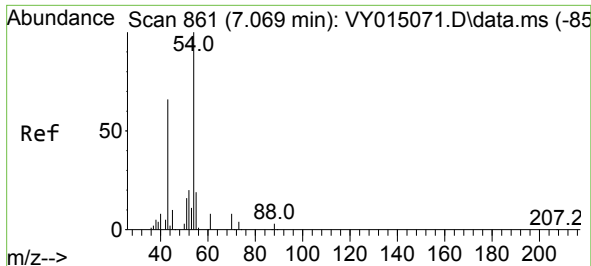
Tgt Ion:113 Resp: 9897
Ion Ratio Lower Upper
113 100
111 105.4 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 7.513 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Tgt Ion: 75 Resp: 1729
Ion Ratio Lower Upper
75 100
110 3.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.755 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

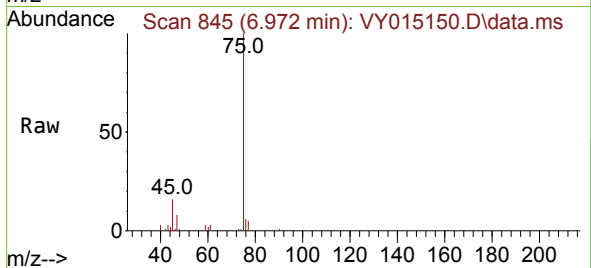
Lab File: VY015150.D

Acq: 16 Aug 2023 15:18

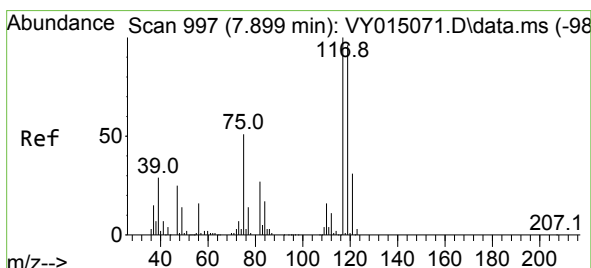
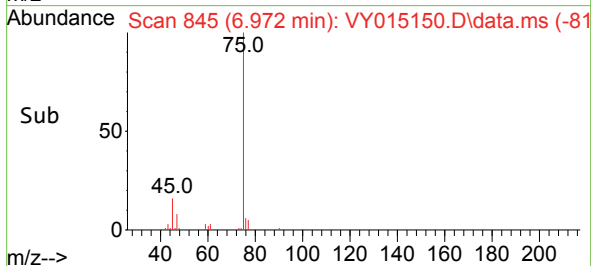
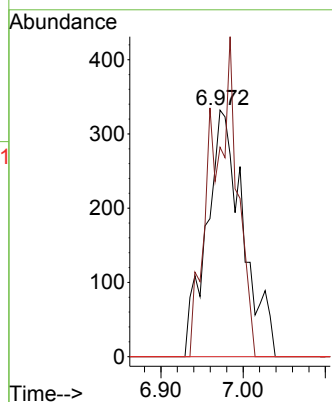
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1020
Ion	Ratio	Lower	Upper
43	100		
61	38.7	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.840 ug/l

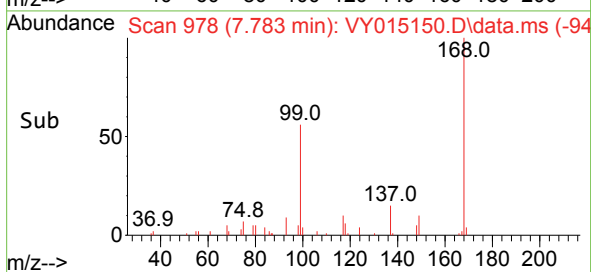
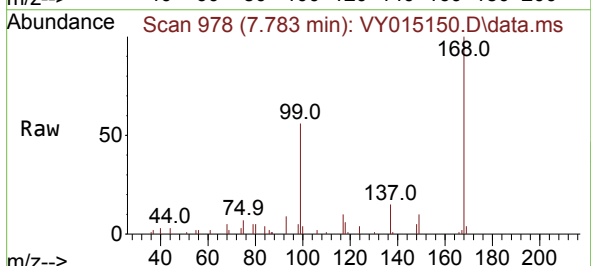
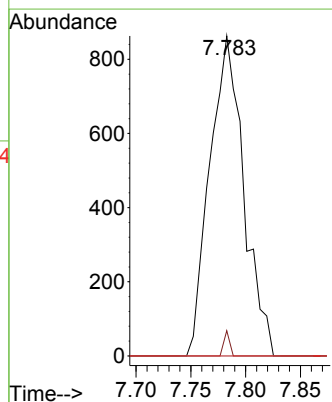
RT: 7.783 min Scan# 978

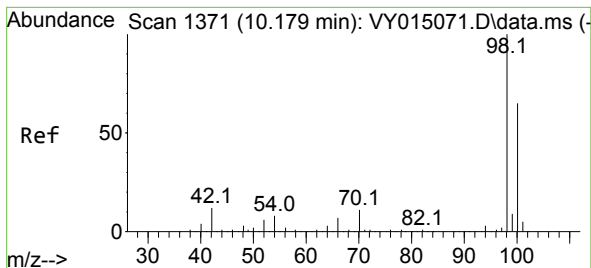
Delta R.T. -0.116 min

Lab File: VY015150.D

Acq: 16 Aug 2023 15:18

Tgt Ion:	117	Resp:	1863
Ion	Ratio	Lower	Upper
117	100		
119	7.9	76.4	114.6#
121	0.0	25.8	38.6#

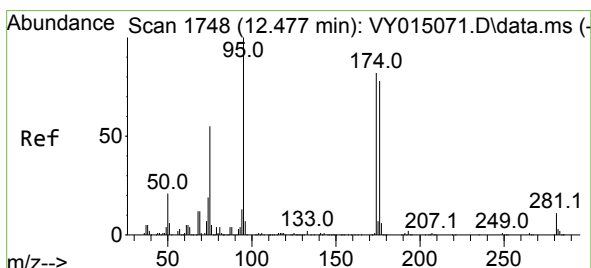
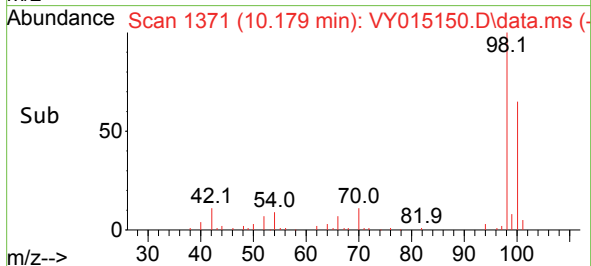
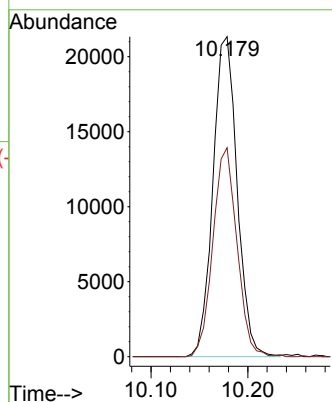
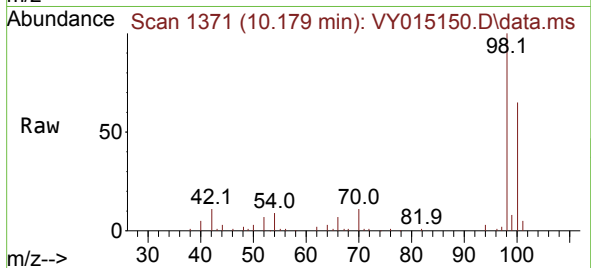




#50
Toluene-d8
Concen: 47.865 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

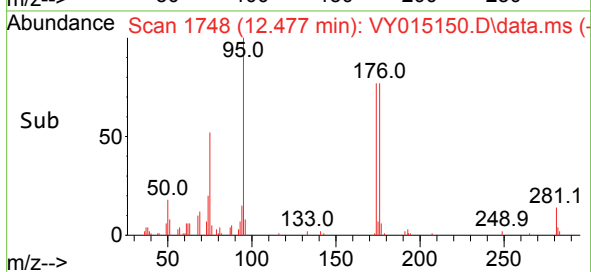
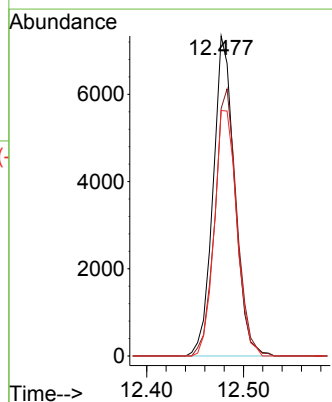
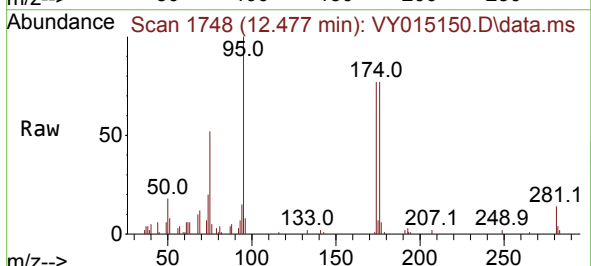
Instrument :
MSVOA_Y
ClientSampleId :

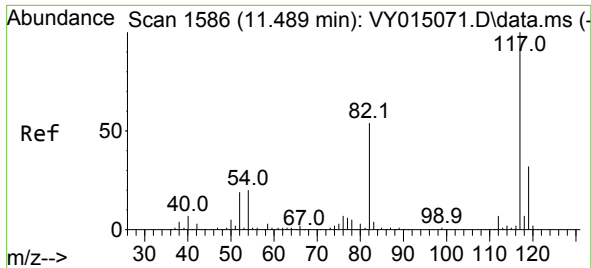
Tgt Ion: 98 Resp: 37067
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.021 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Tgt Ion: 95 Resp: 11320
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 80.2 0.0 173.8

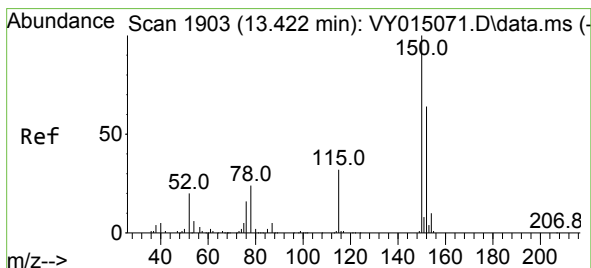
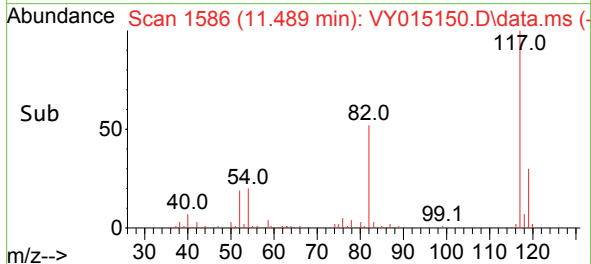
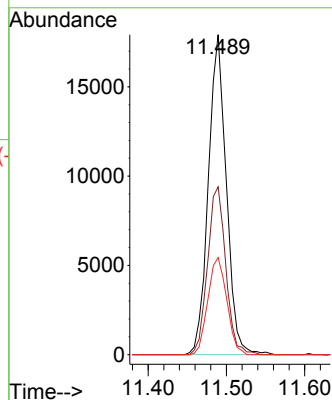
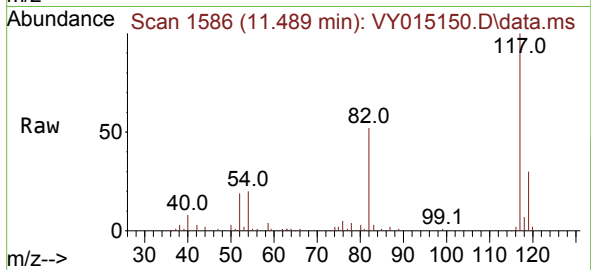




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

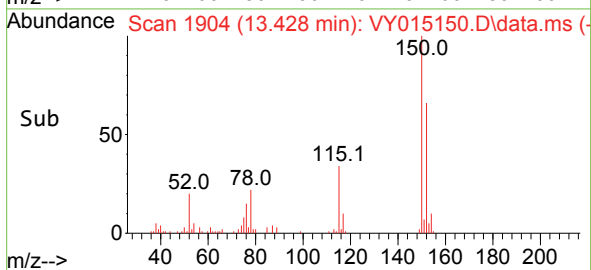
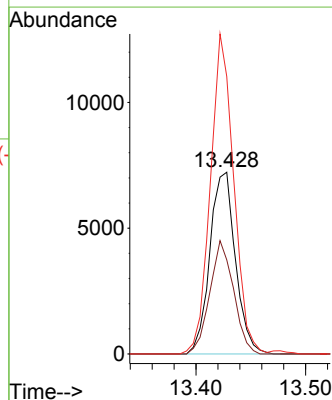
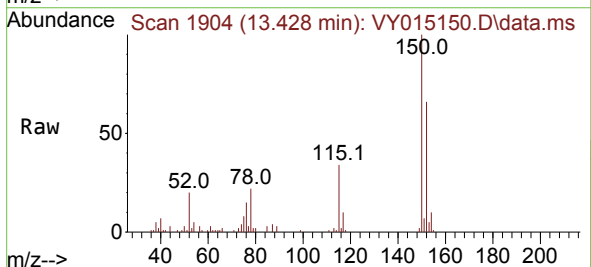
Instrument :
MSVOA_Y
ClientSampleId :

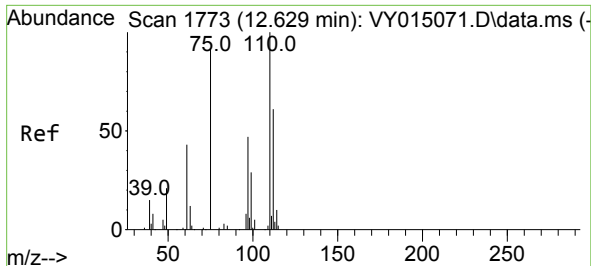
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.4	65.0
119	30.3	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	160.5	0.0	348.8

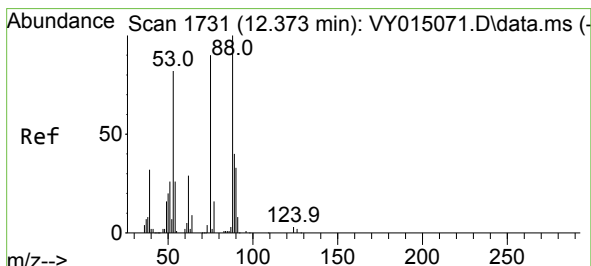
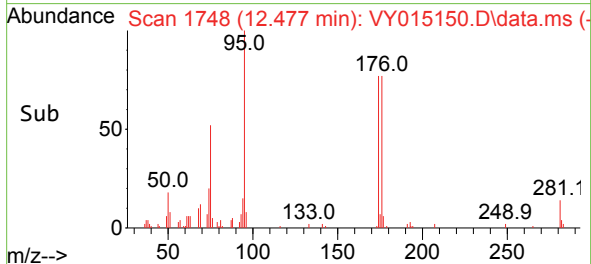
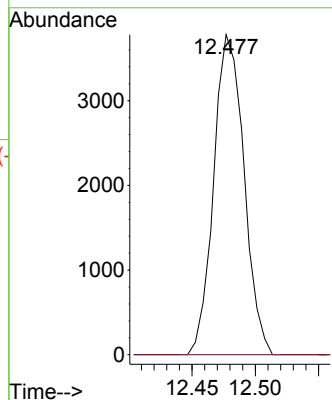
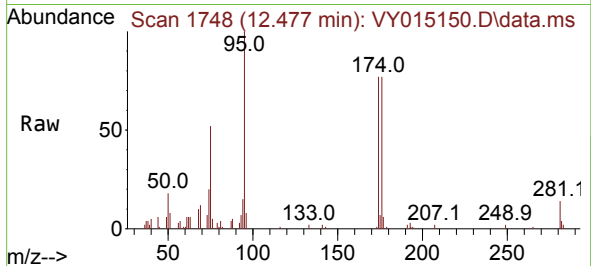




#76
1,2,3-Trichloropropane
Concen: 44.125 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

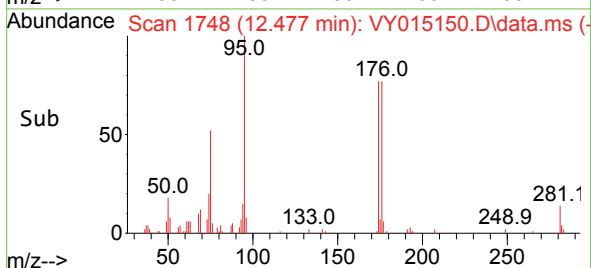
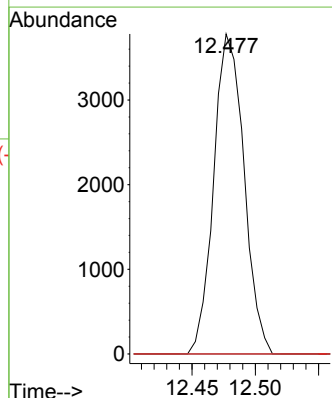
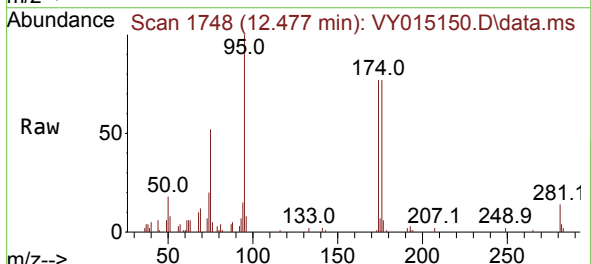
Instrument :
MSVOA_Y
ClientSampleId :

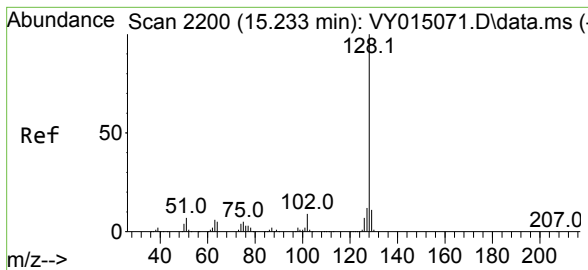
Tgt Ion: 75 Resp: 6291
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 96.920 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015150.D
Acq: 16 Aug 2023 15:18

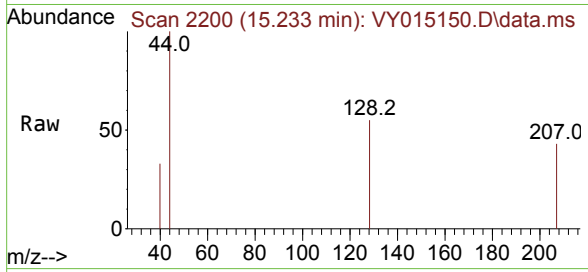
Tgt Ion: 75 Resp: 6291
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 1.013 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY015150.D
 Acq: 16 Aug 2023 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 552
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.8 16.2#
 129 0.0 8.6 13.0#

