

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015351.D
 Acq On : 25 Aug 2023 18:37
 Operator : SY/MD
 Sample : 04188-07
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:46:31 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)

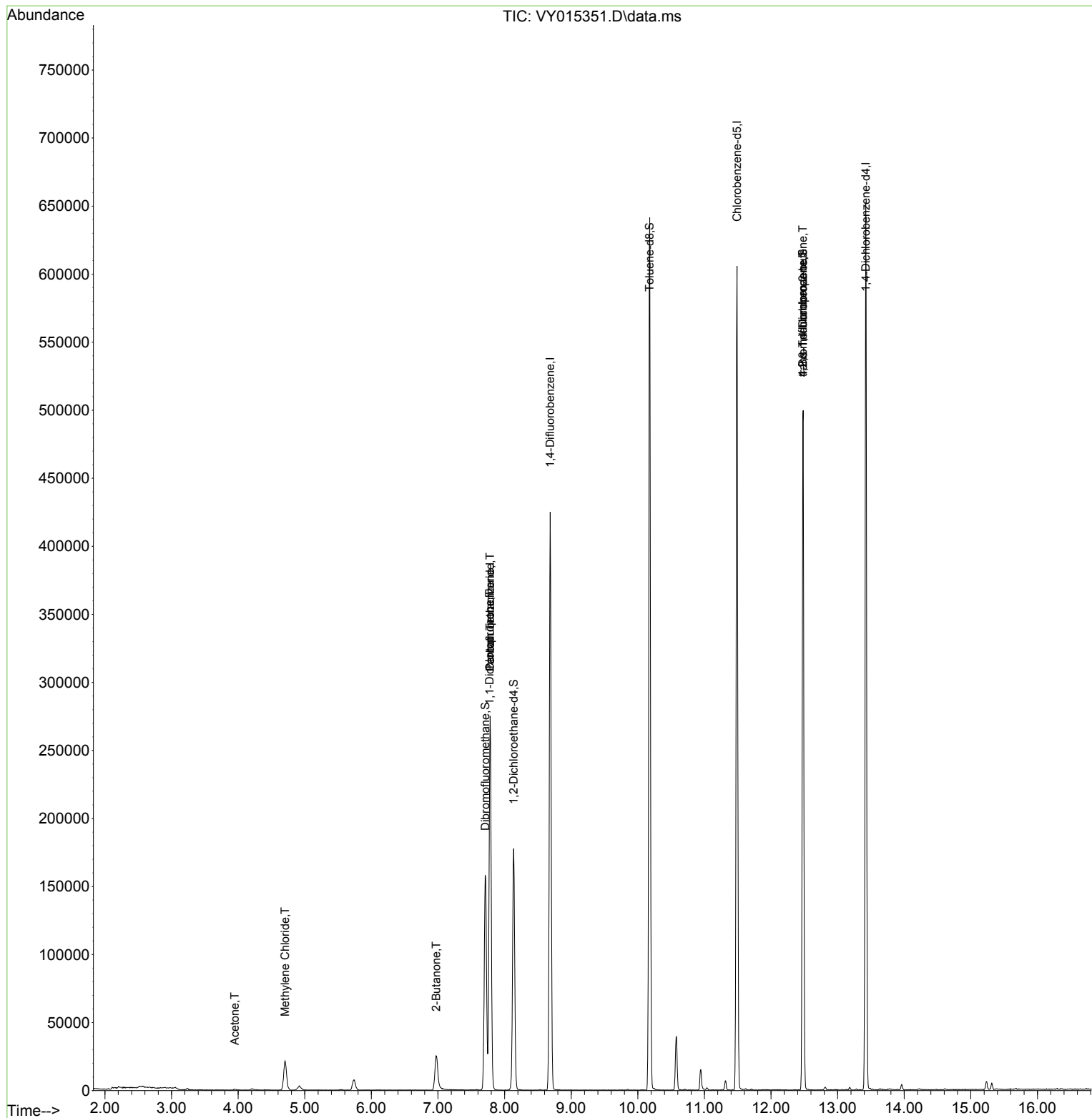
Internal Standards						
1) Pentafluorobenzene	7.783	168	212275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	325045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138543	54.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.740%	
35) Dibromofluoromethane	7.710	113	111320	48.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.840%	
50) Toluene-d8	10.179	98	412925	48.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.500%	
62) 4-Bromofluorobenzene	12.477	95	147617	47.223	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.440%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	76	Below Cal	#	43
3) Chloromethane	2.107	50	158	Below Cal	#	63
5) Bromomethane	2.619	94	20	Below Cal	#	2
11) Tert butyl alcohol	4.930	59	3288	Below Cal	#	92
16) Acetone	3.948	43	993	1.193	ug/l #	78
20) Methylene Chloride	4.704	84	16223	4.168	ug/l	87
25) 2-Butanone	6.972	43	1521	1.290	ug/l #	78
31) Cyclohexane	7.777	56	4441	Below Cal	#	7
36) 1,1-Dichloropropene	7.777	75	16488	6.482	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21433	7.120	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	79999	40.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79999	89.052	ug/l #	11

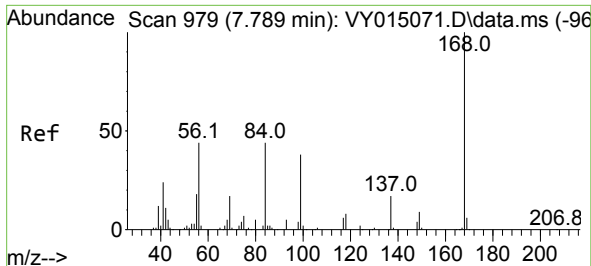
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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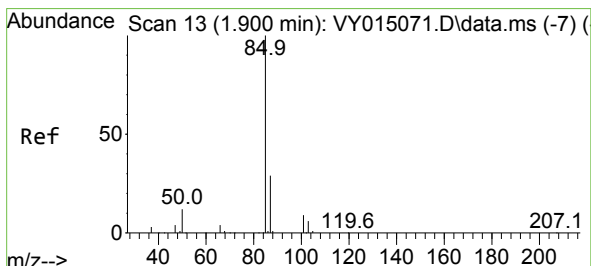
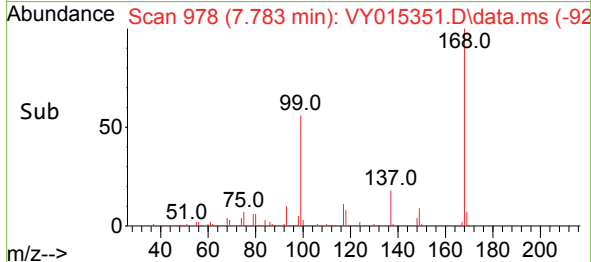
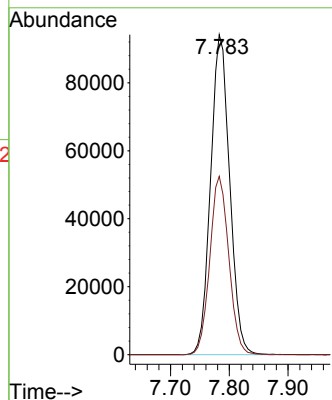
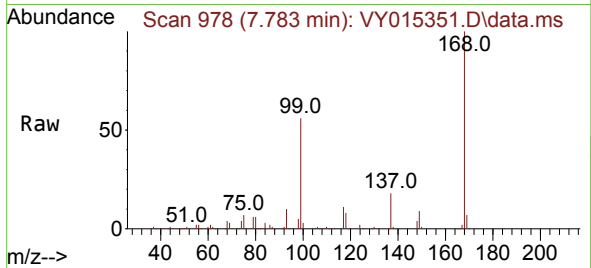




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

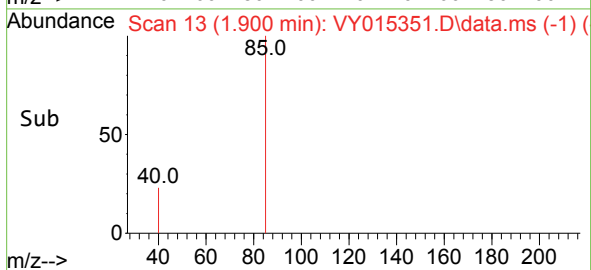
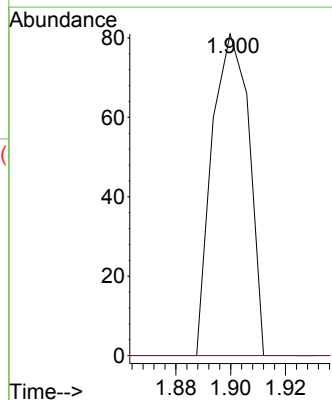
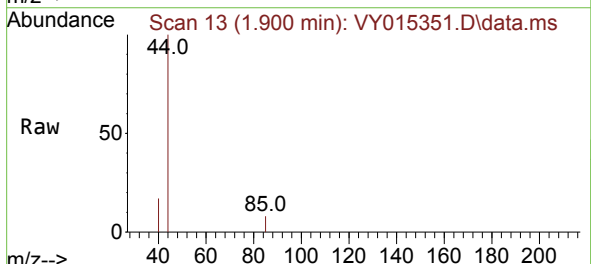
Instrument :
MSVOA_Y
ClientSampleId :

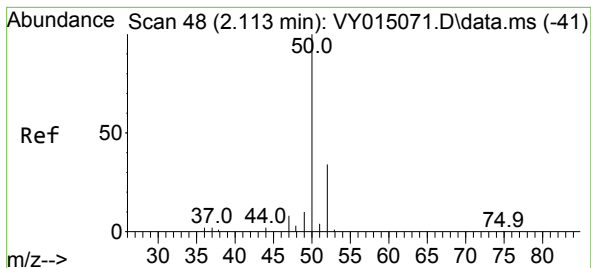
Tgt Ion:168 Resp: 212275
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

Tgt Ion: 85 Resp: 76
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

Instrument :

MSVOA_Y

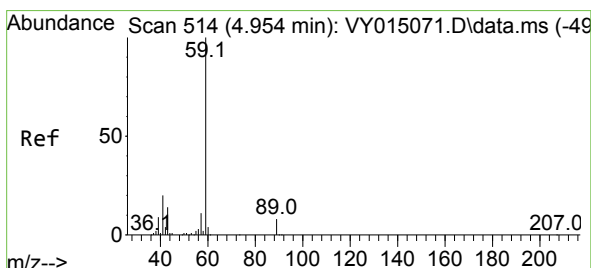
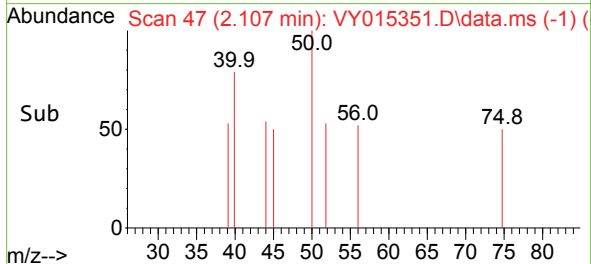
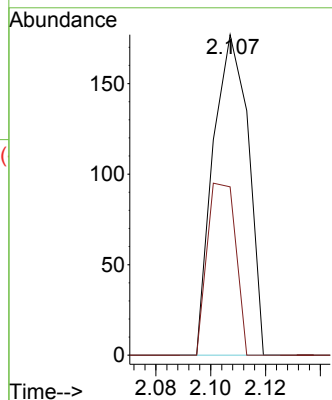
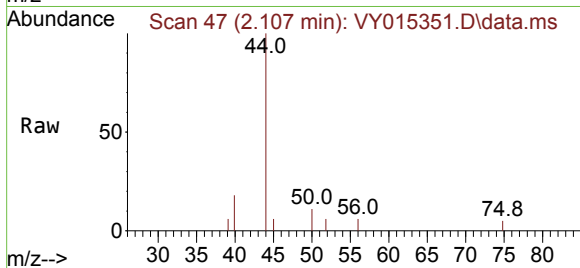
ClientSampleId :

Tgt Ion: 50 Resp: 158

Ion Ratio Lower Upper

50 100

52 52.5 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 510

Delta R.T. -0.018 min

Lab File: VY015351.D

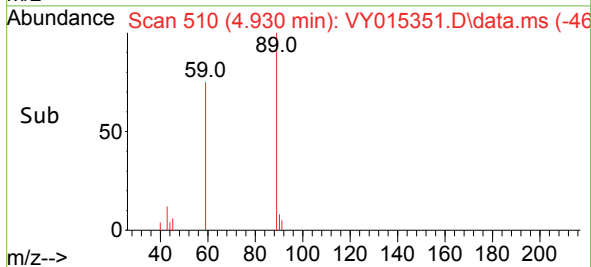
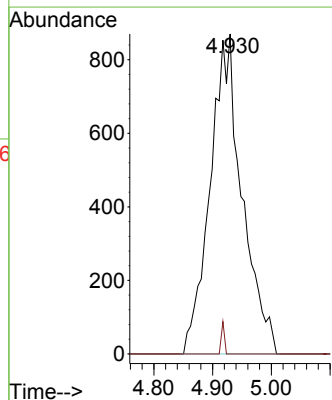
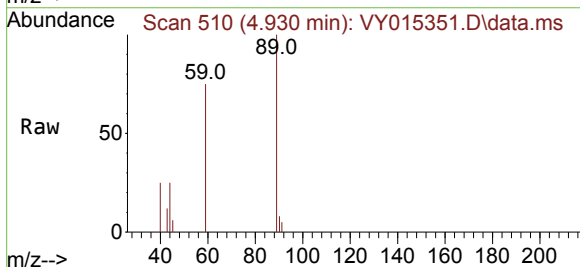
Acq: 25 Aug 2023 18:37

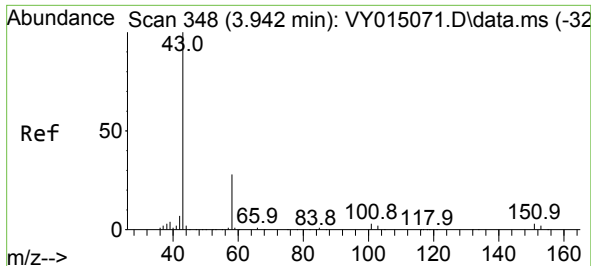
Tgt Ion: 59 Resp: 3288

Ion Ratio Lower Upper

59 100

57 1.0 3.0 4.4#

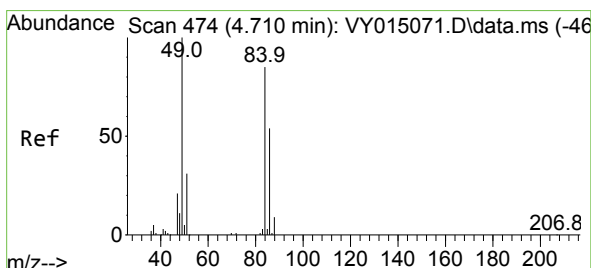
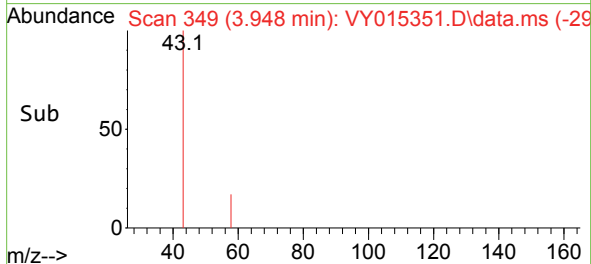
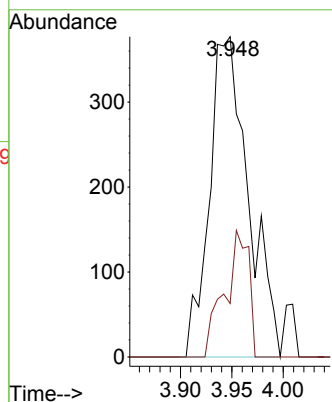
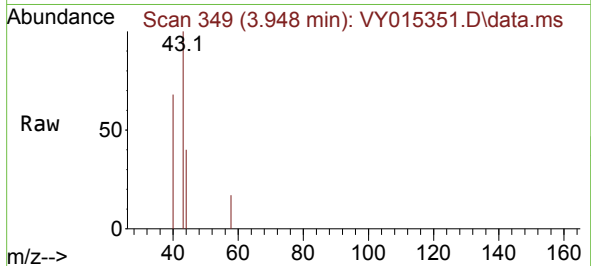




#16
Acetone
Concen: 1.193 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

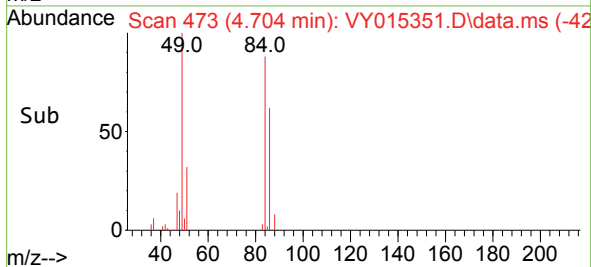
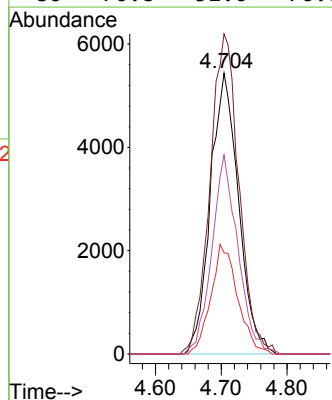
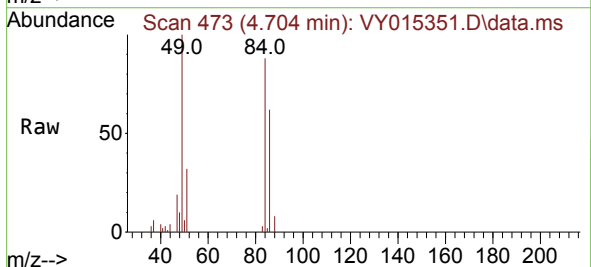
Instrument :
MSVOA_Y
ClientSampleId :

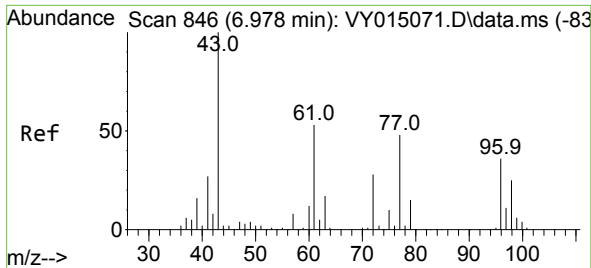
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 16.7 22.7 34.1#



#20
Methylene Chloride
Concen: 4.168 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

Tgt Ion: 84 Resp: 16223
Ion Ratio Lower Upper
84 100
49 114.0 106.9 160.3
51 36.1 33.2 49.8
86 70.8 51.0 76.6

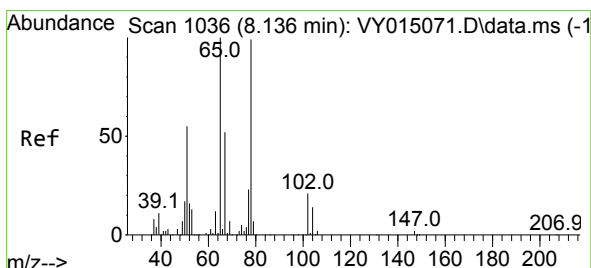
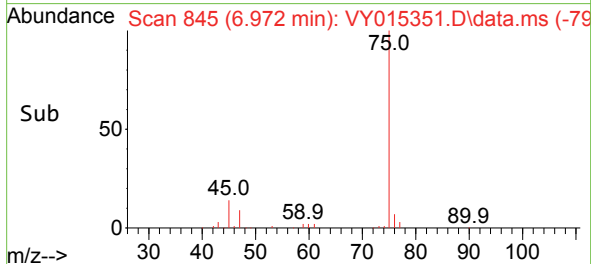
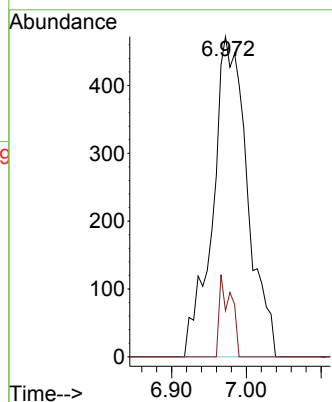
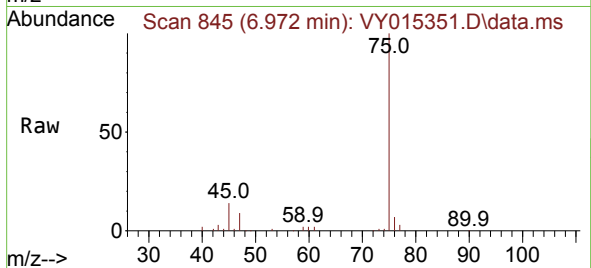




#25
2-Butanone
Concen: 1.290 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

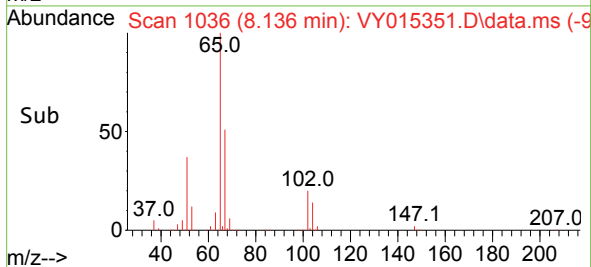
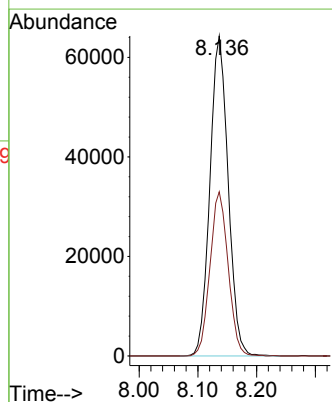
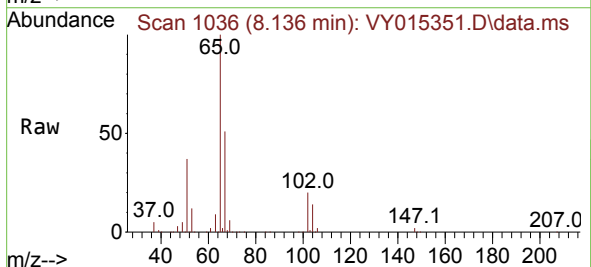
Instrument :
MSVOA_Y
ClientSampleId :

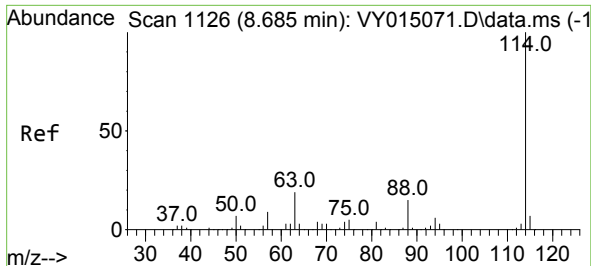
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
72 14.4 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 54.370 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

Tgt Ion: 65 Resp: 138543
Ion Ratio Lower Upper
65 100
67 51.1 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: VY015351.D

Acq: 25 Aug 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

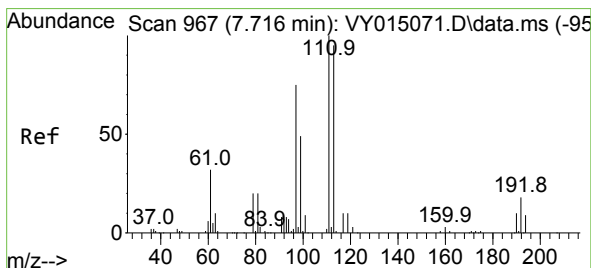
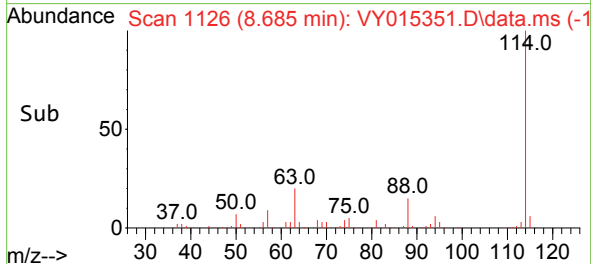
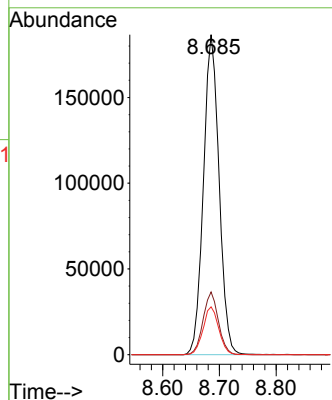
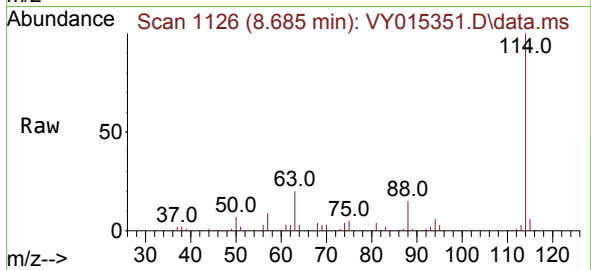
Tgt Ion:114 Resp: 357368

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.420 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

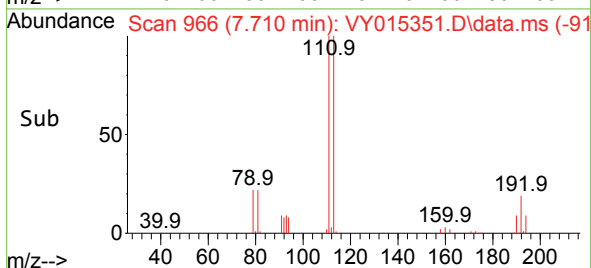
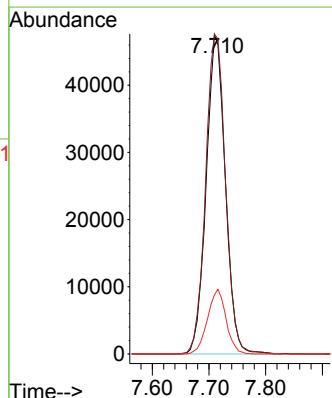
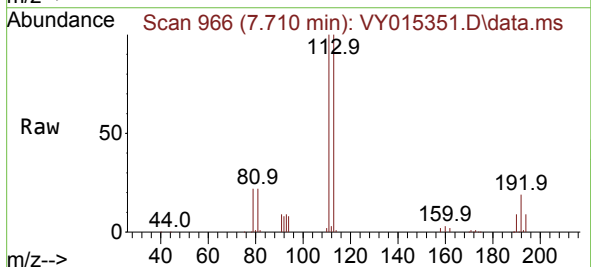
Tgt Ion:113 Resp: 111320

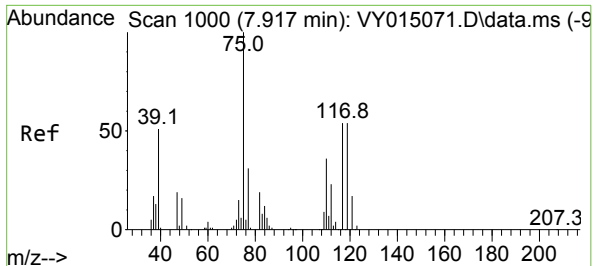
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.482 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

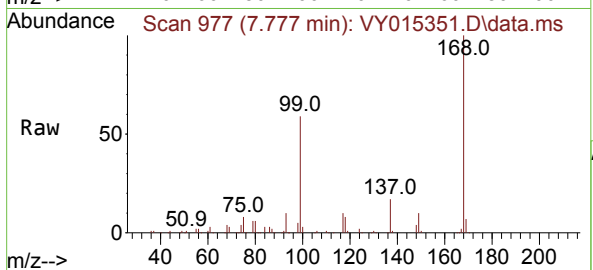
Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

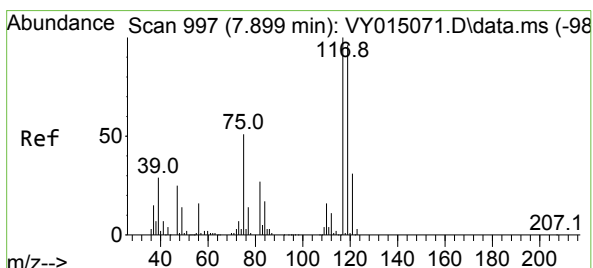
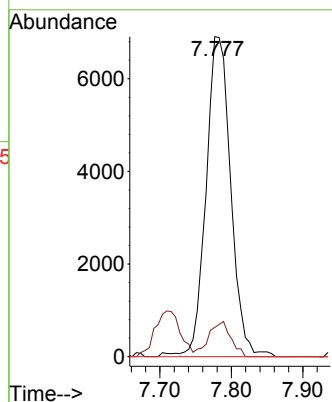
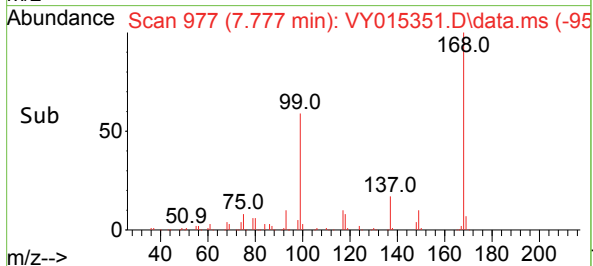
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	16488
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 7.120 ug/l

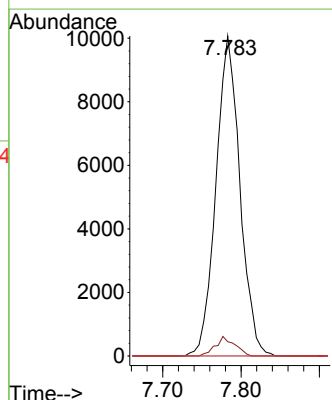
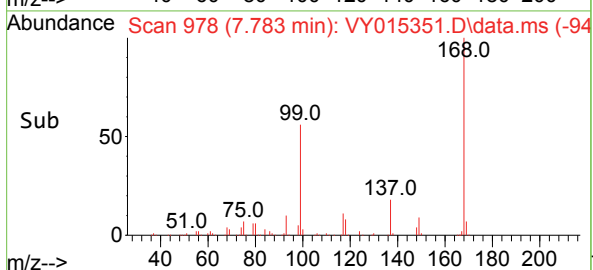
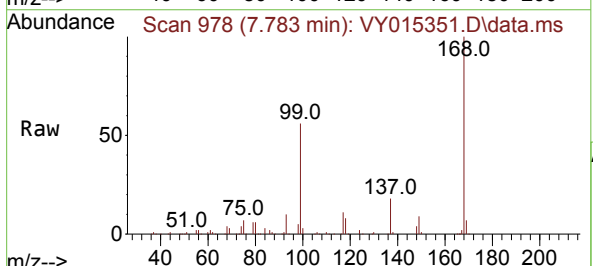
RT: 7.783 min Scan# 978

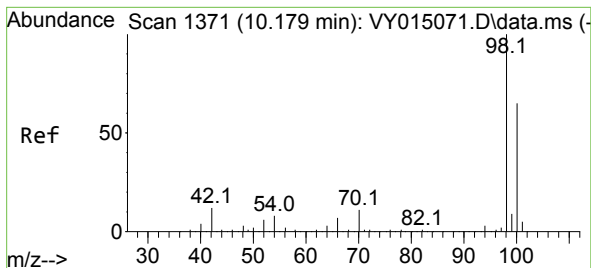
Delta R.T. -0.116 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

Tgt Ion:	117	Resp:	21433
Ion Ratio	Lower	Upper	
117	100		
119	4.5	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 48.248 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

Instrument :

MSVOA_Y

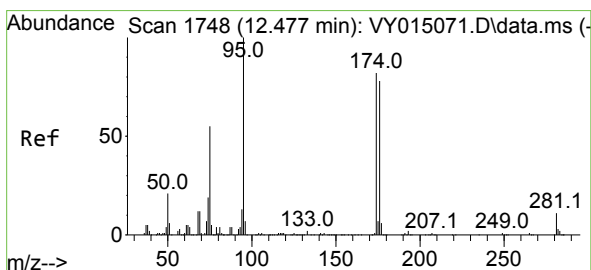
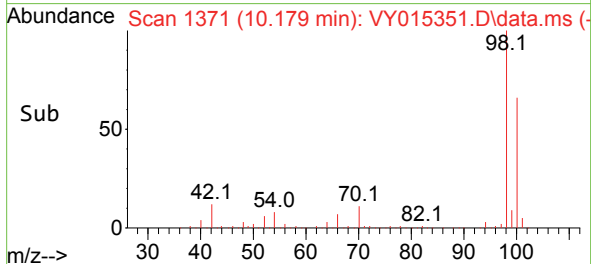
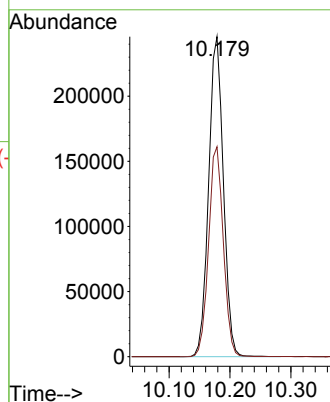
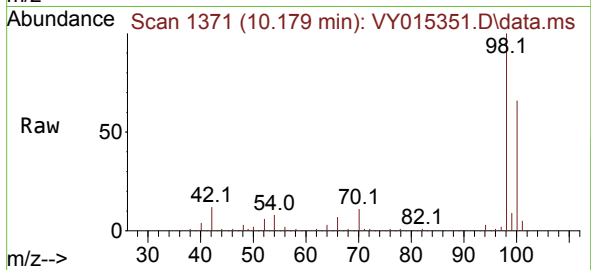
ClientSampleId :

Tgt Ion: 98 Resp: 412925

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.223 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

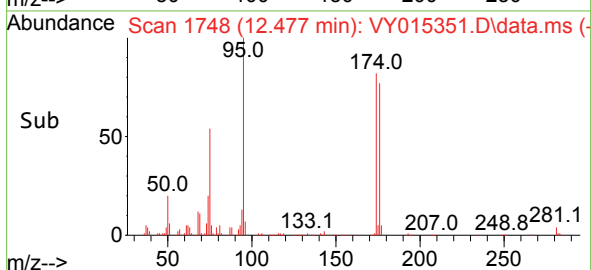
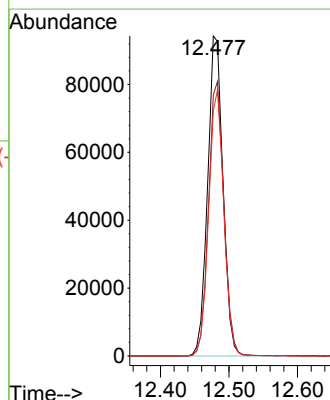
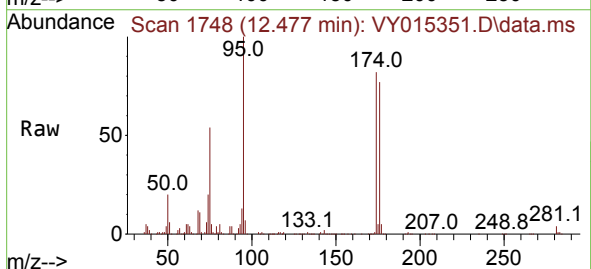
Tgt Ion: 95 Resp: 147617

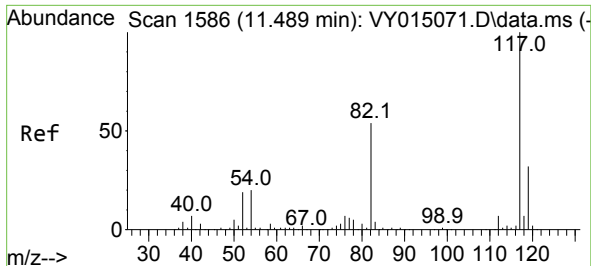
Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 81.7 0.0 173.8

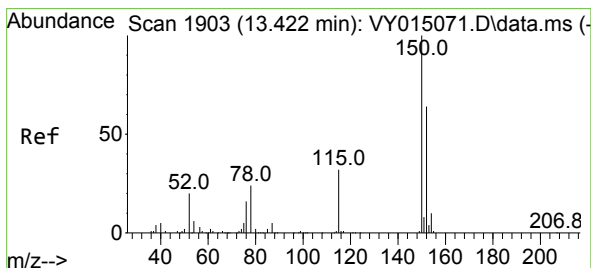
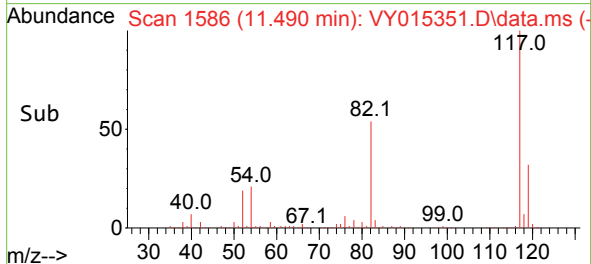
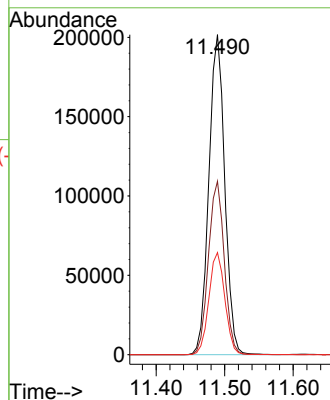
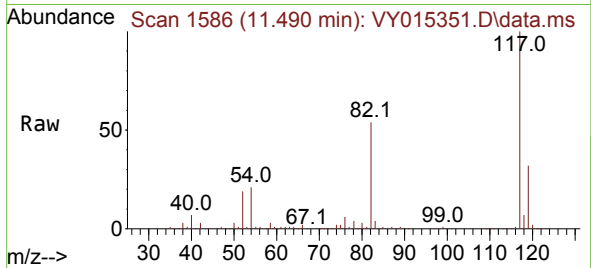




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

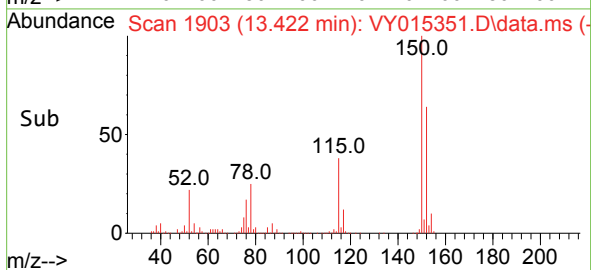
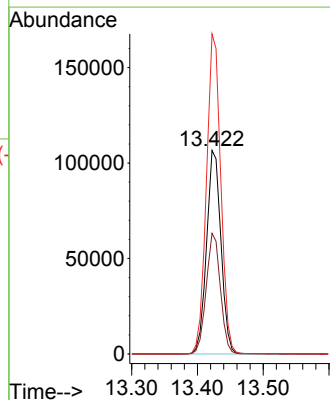
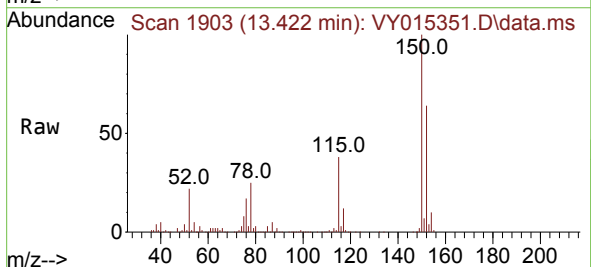
Instrument :
MSVOA_Y
ClientSampleId :

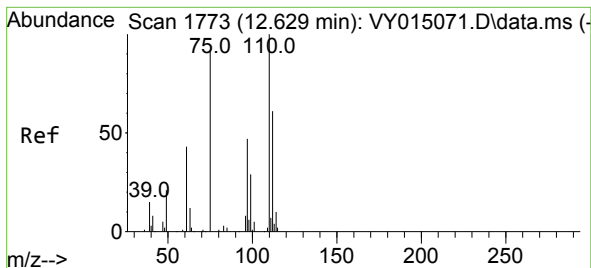
Tgt Ion:117 Resp: 325045
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015351.D
Acq: 25 Aug 2023 18:37

Tgt Ion:152 Resp: 162413
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 156.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.543 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

Instrument :

MSVOA_Y

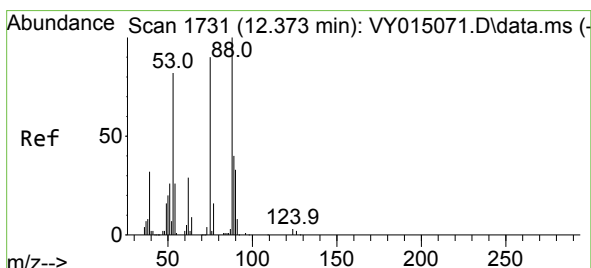
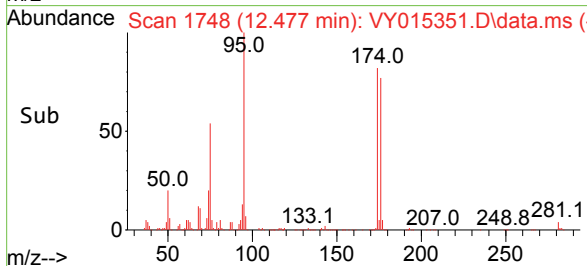
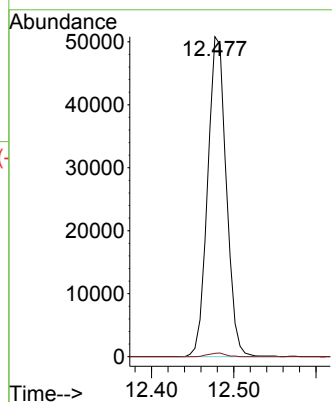
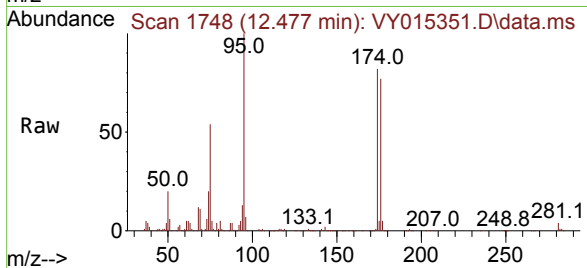
ClientSampleId :

Tgt Ion: 75 Resp: 79999

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.052 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015351.D

Acq: 25 Aug 2023 18:37

Tgt Ion: 75 Resp: 79999

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

