

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015345.D
 Acq On : 25 Aug 2023 16:15
 Operator : SY/MD
 Sample : 04160-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:43:41 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)

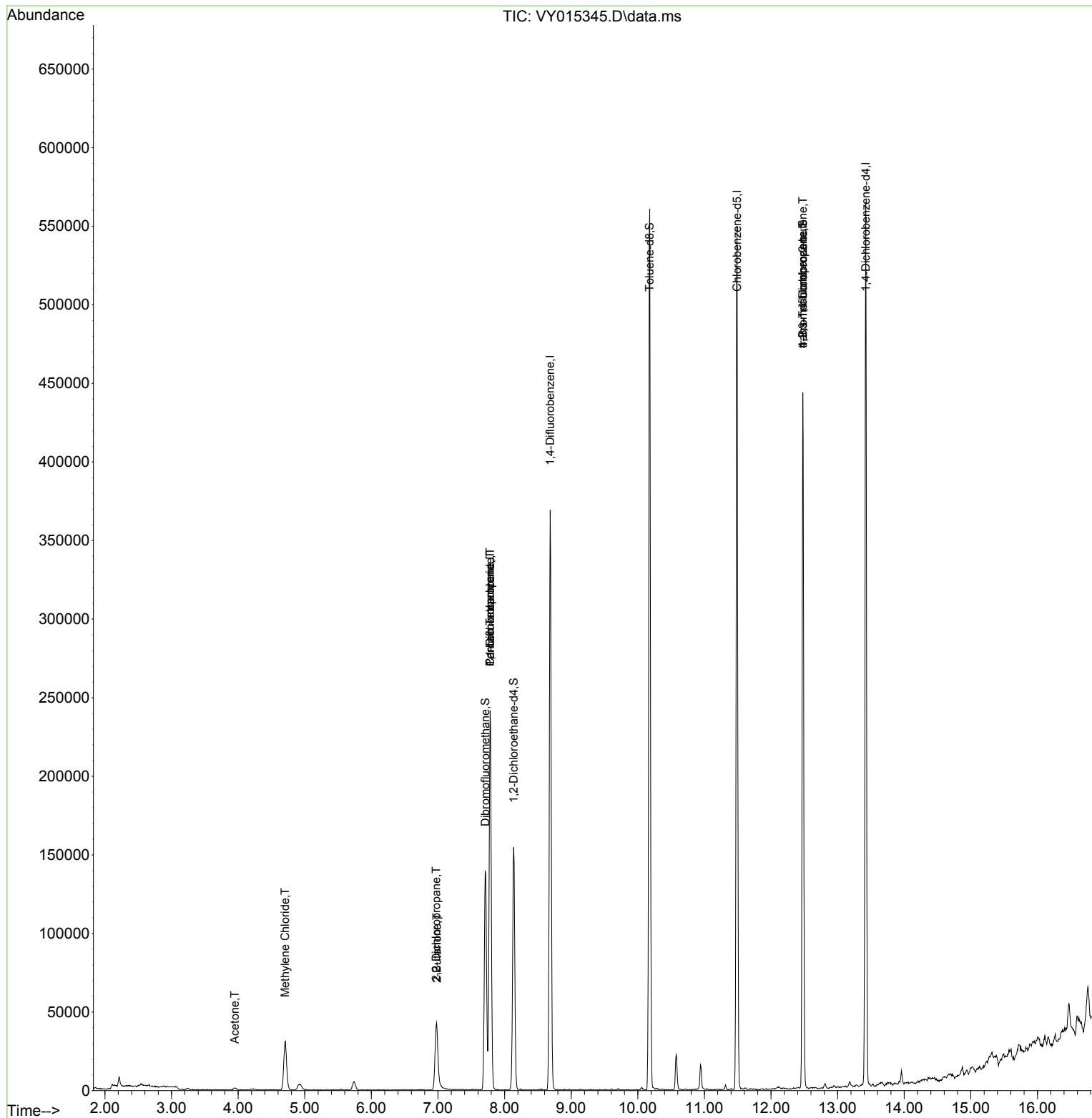
Internal Standards						
1) Pentafluorobenzene	7.782	168	185268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122477	55.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.140%
35) Dibromofluoromethane	7.709	113	98249	48.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.178	98	364664	48.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.477	95	129232	47.289	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.580%
Target Compounds						
3) Chloromethane	2.101	50	213	Below Cal	#	Qvalue 43
5) Bromomethane	2.655	94	164	Below Cal		95
11) Tert butyl alcohol	4.911	59	2332	Below Cal	#	89
16) Acetone	3.948	43	2588	3.562	ug/l	99
20) Methylene Chloride	4.704	84	23125	9.802	ug/l	95
25) 2-Butanone	6.984	43	3278	3.187	ug/l #	76
26) 2,2-Dichloropropane	6.972	77	3324	1.117	ug/l #	54
31) Cyclohexane	7.776	56	3931	Below Cal	#	17
36) 1,1-Dichloropropene	7.782	75	14723	6.621	ug/l #	50
38) Carbon Tetrachloride	7.782	117	18652	7.088	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	70327	41.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70327	91.534	ug/l #	11

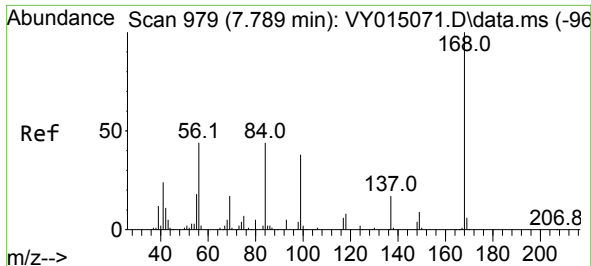
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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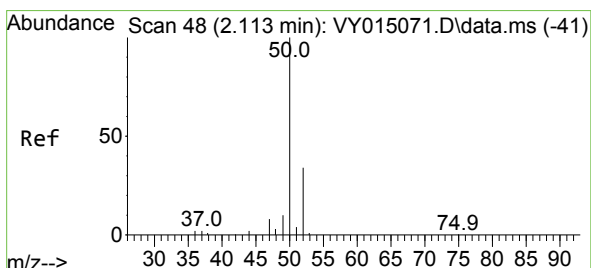
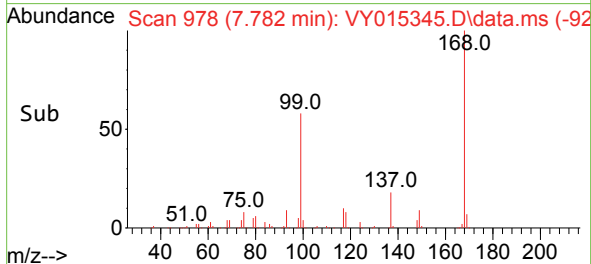
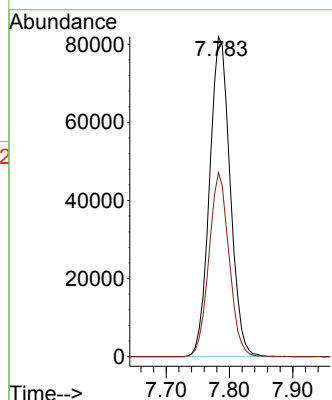
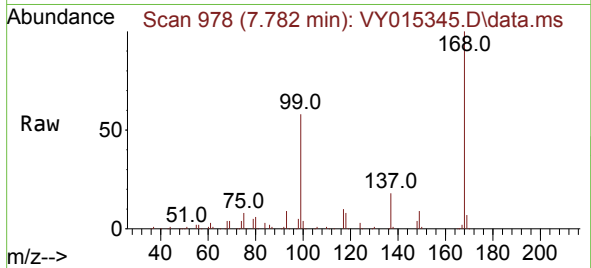




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

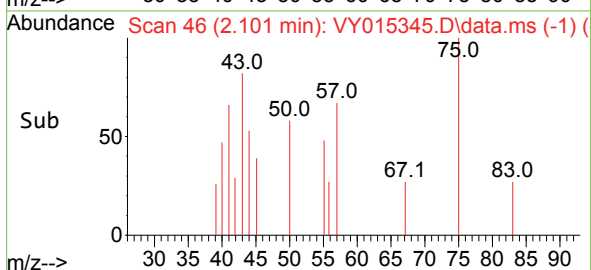
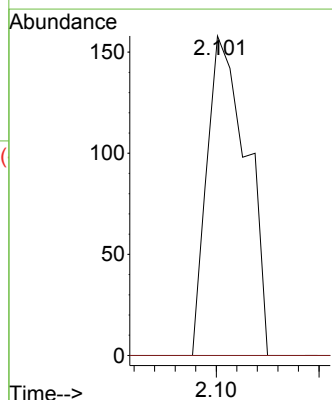
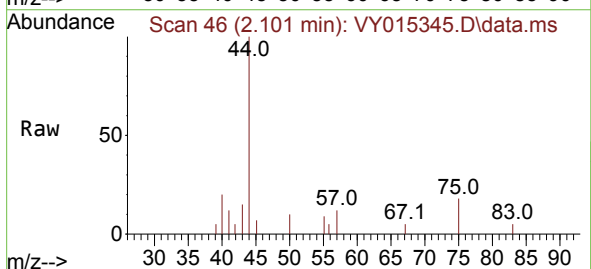
Instrument :
MSVOA_Y
ClientSampleId :

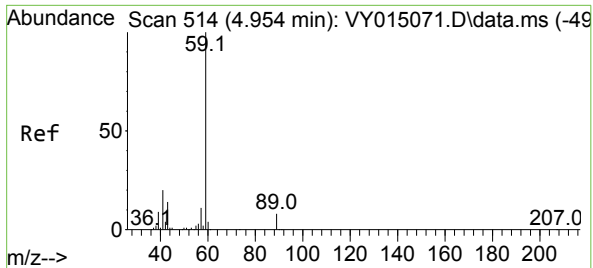
Tgt Ion:168 Resp: 185268
Ion Ratio Lower Upper
168 100
99 57.6 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

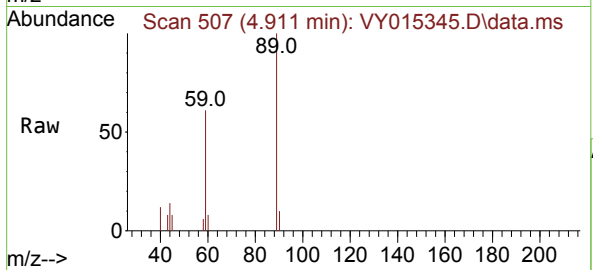
Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



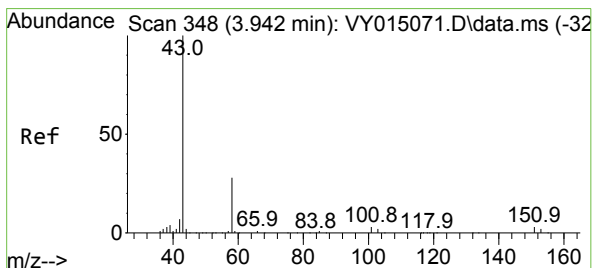
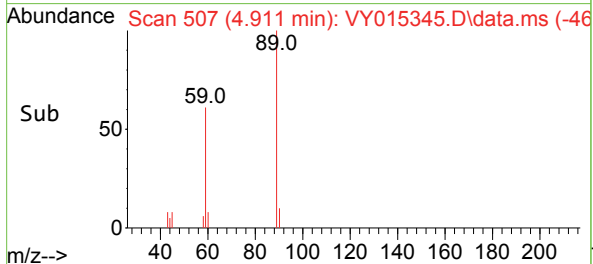
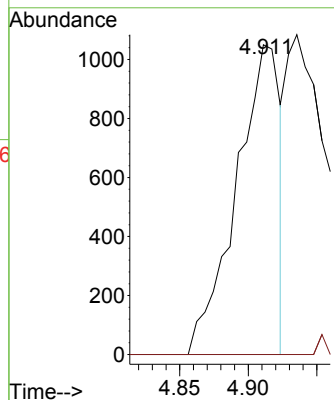


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :

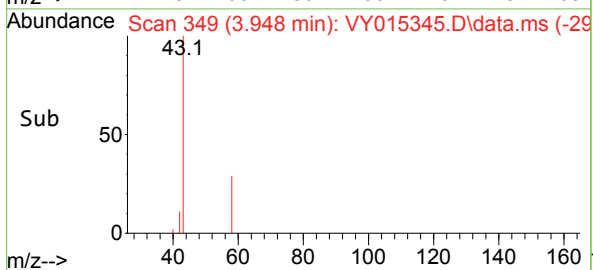
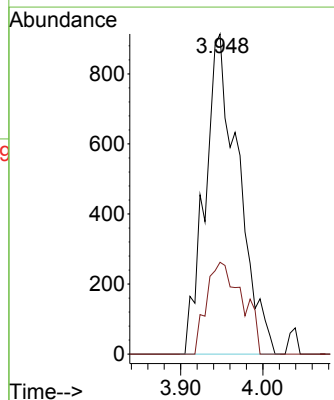
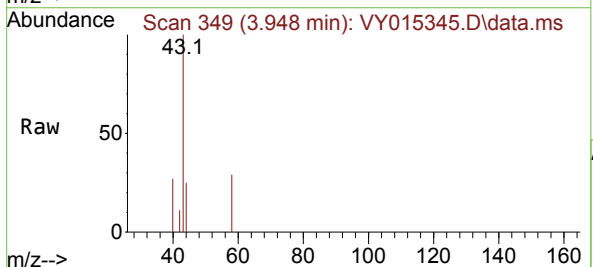


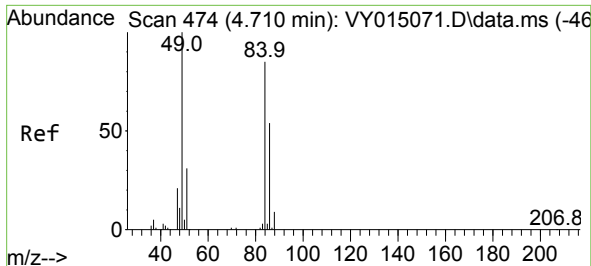
Tgt Ion: 59 Resp: 2332
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 3.562 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

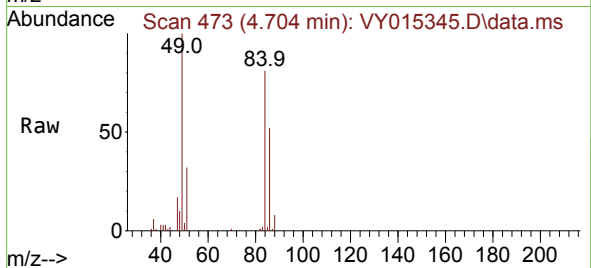
Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



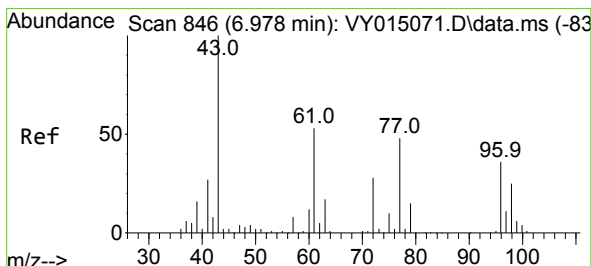
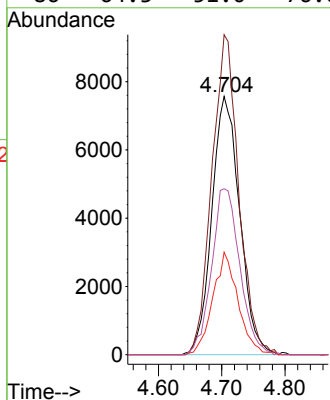
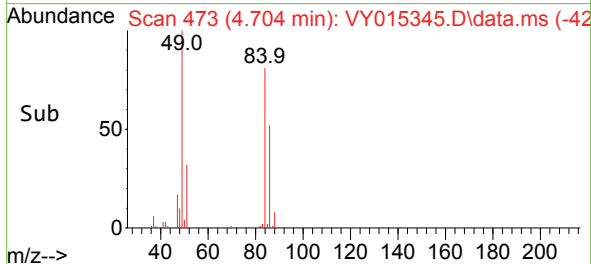


#20
Methylene Chloride
Concen: 9.802 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

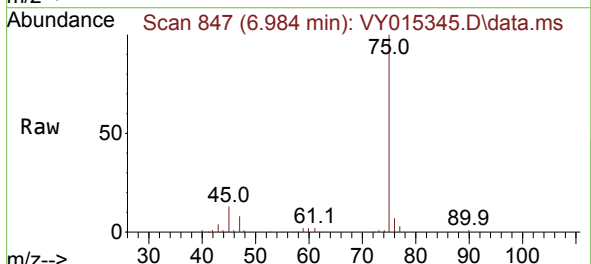
Instrument :
MSVOA_Y
ClientSampleId :



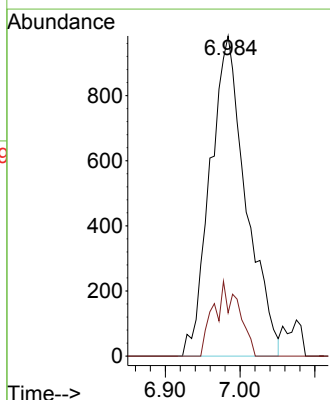
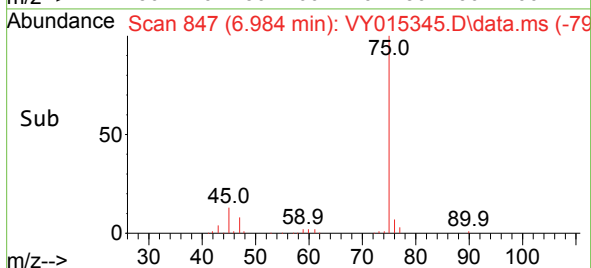
Tgt Ion: 84 Resp: 23125
Ion Ratio Lower Upper
84 100
49 123.9 106.9 160.3
51 39.7 33.2 49.8
86 64.3 51.0 76.6

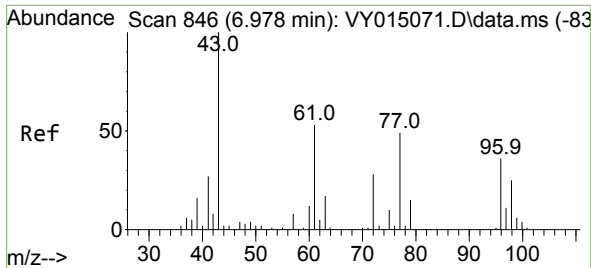


#25
2-Butanone
Concen: 3.187 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15



Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
72 13.5 20.5 30.7#

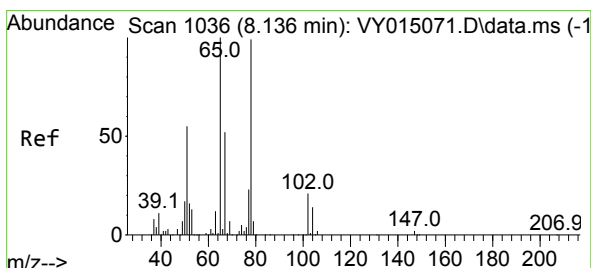
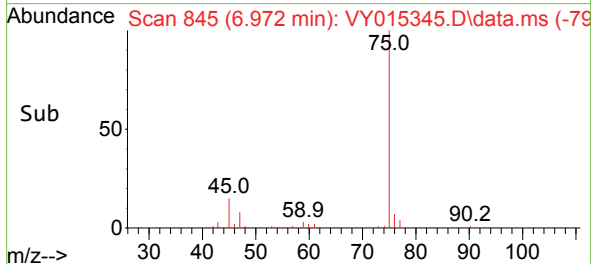
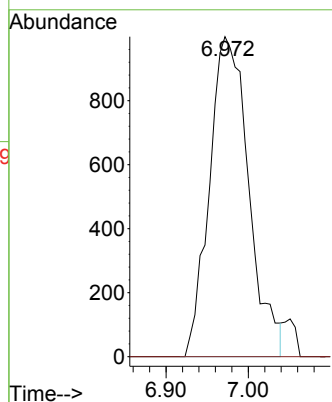
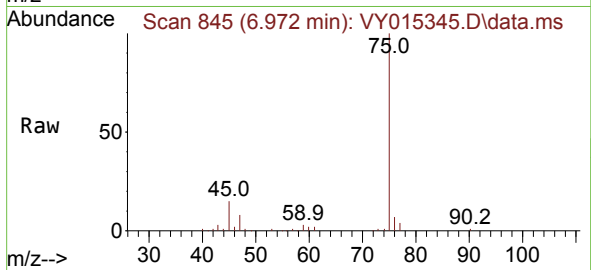




#26
2,2-Dichloropropane
Concen: 1.117 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

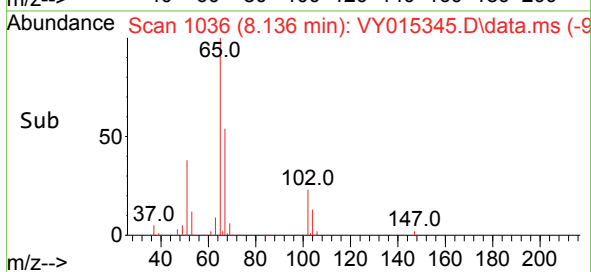
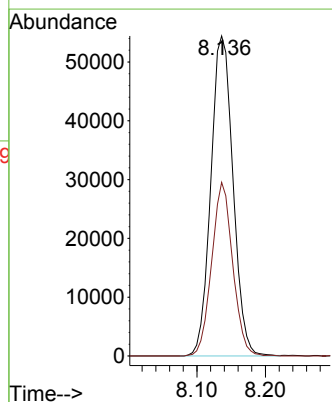
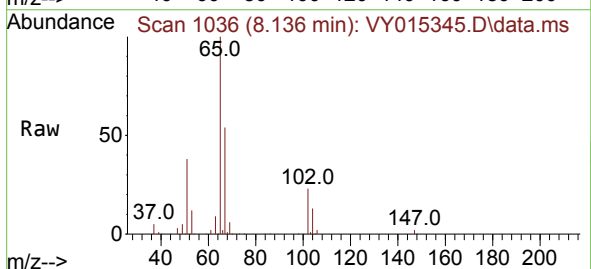
Instrument :
MSVOA_Y
ClientSampleId :

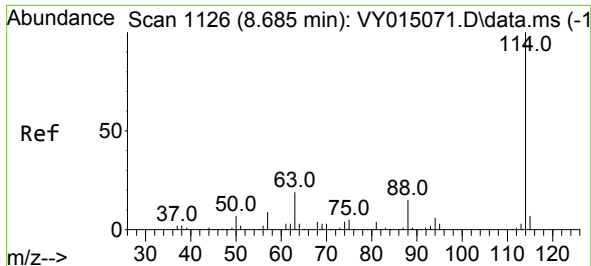
Tgt Ion: 77 Resp: 3324
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 55.071 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Tgt Ion: 65 Resp: 122477
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.8

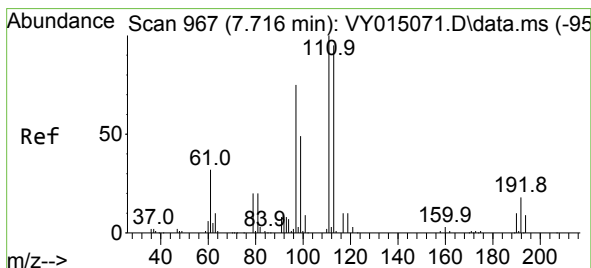
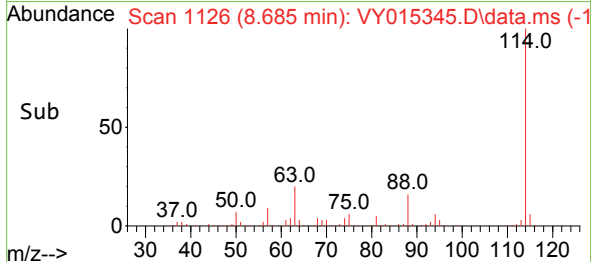
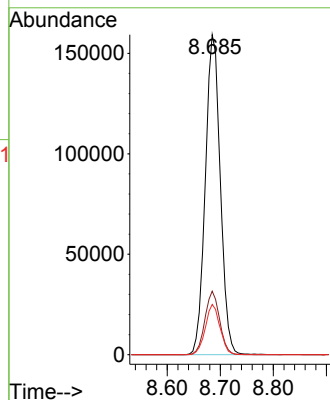
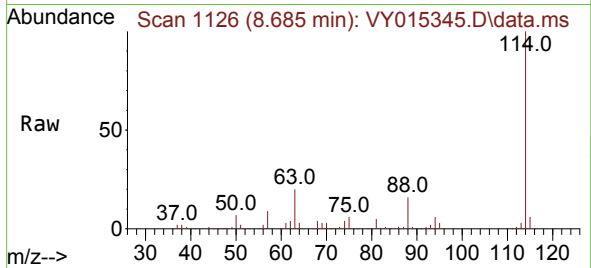




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

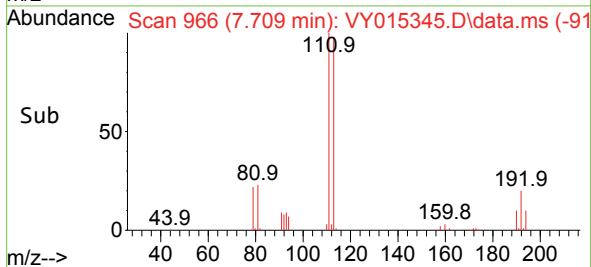
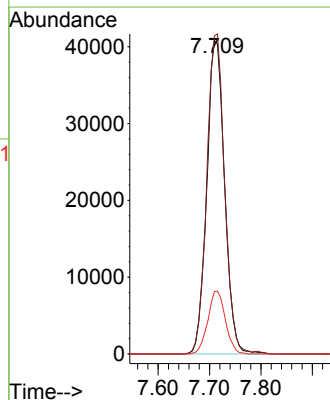
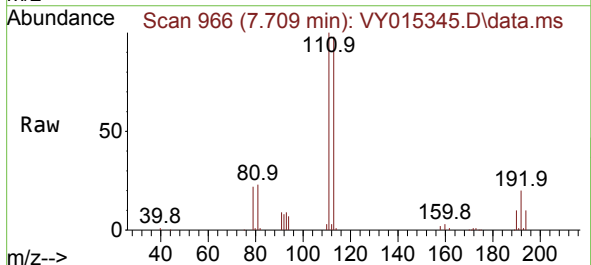
Instrument :
MSVOA_Y
ClientSampleId :

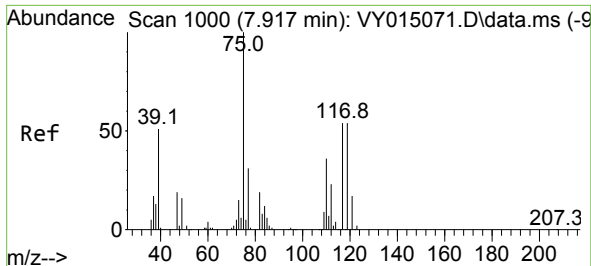
Tgt Ion:114 Resp: 312424
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.882 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Tgt Ion:113 Resp: 98249
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.621 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.128 min

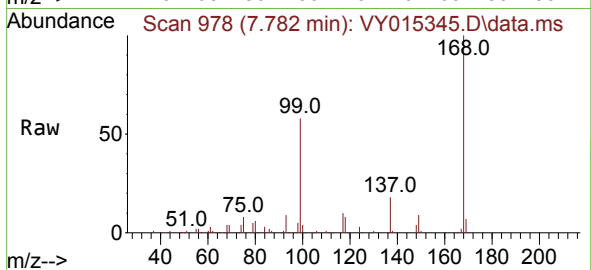
Lab File: VY015345.D

Acq: 25 Aug 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :



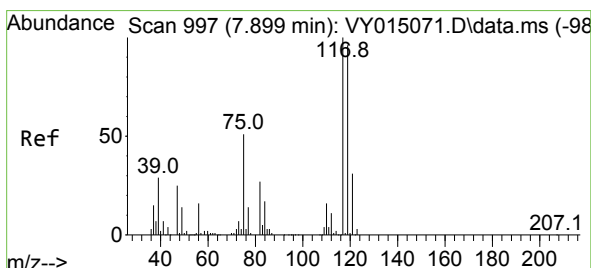
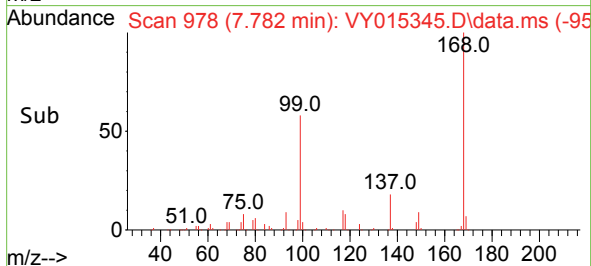
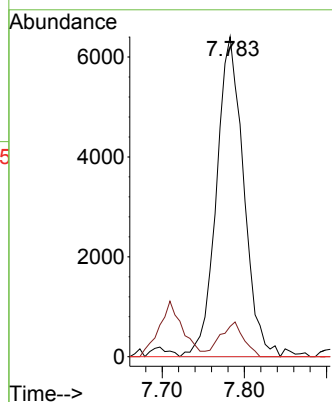
Tgt Ion: 75 Resp: 14723

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.088 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015345.D

Acq: 25 Aug 2023 16:15

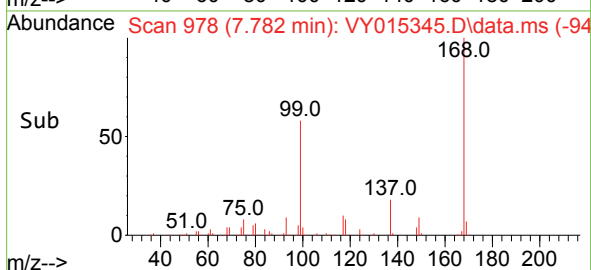
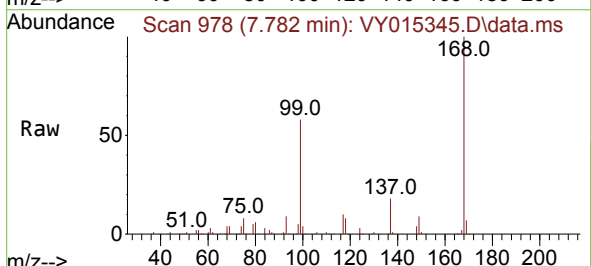
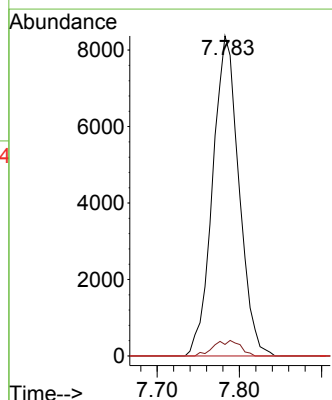
Tgt Ion: 117 Resp: 18652

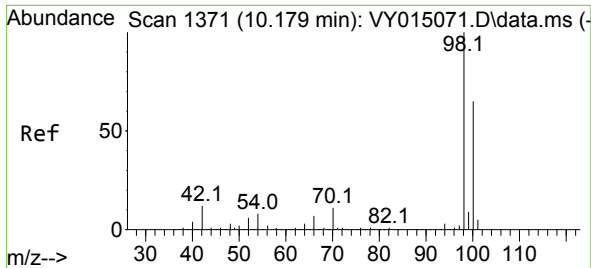
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

121 0.0 25.8 38.6#

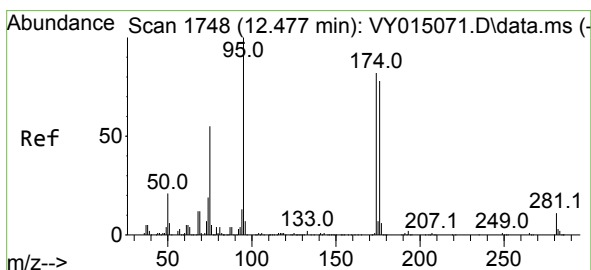
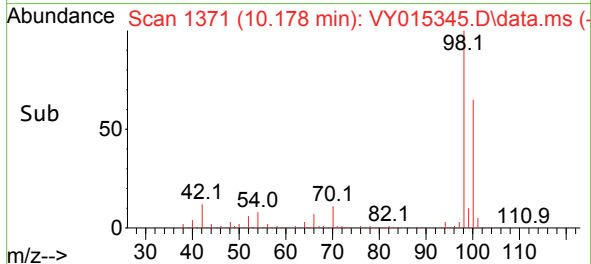
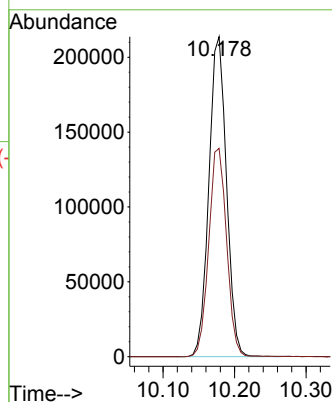
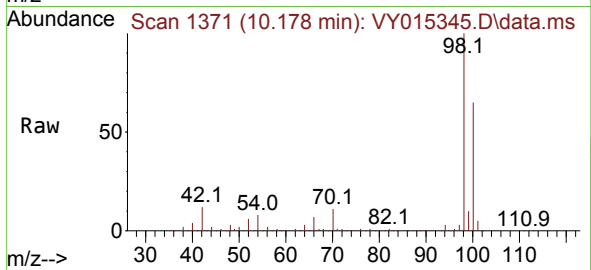




#50
Toluene-d8
Concen: 48.738 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

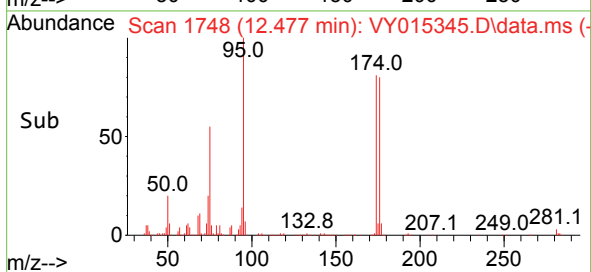
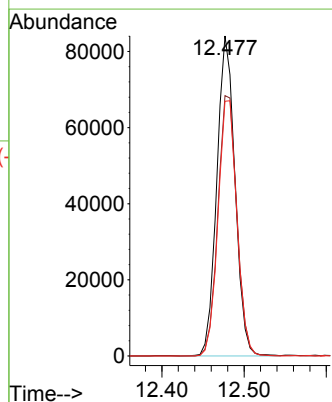
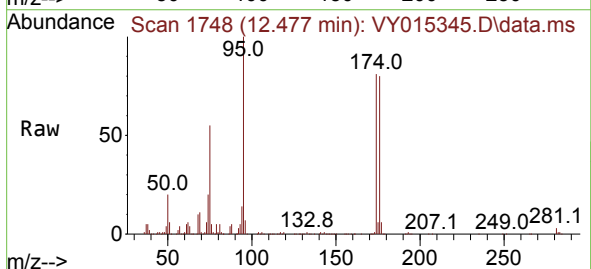
Instrument :
MSVOA_Y
ClientSampleId :

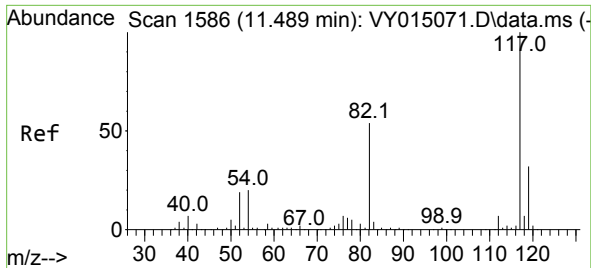
Tgt Ion: 98 Resp: 364664
Ion Ratio Lower Upper
98 100
100 66.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.289 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Tgt Ion: 95 Resp: 129232
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.8 0.0 173.8

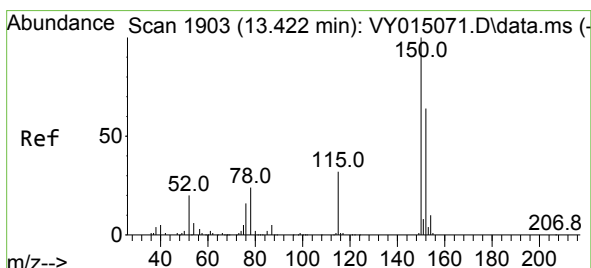
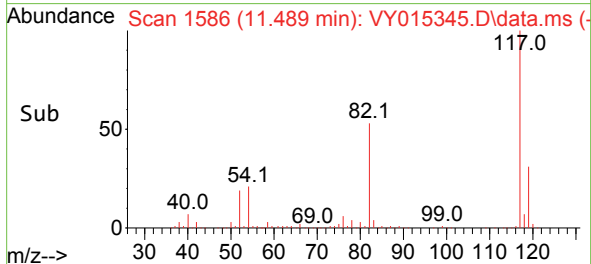
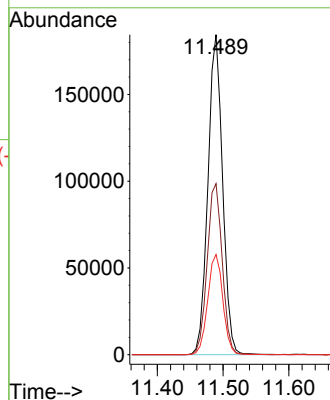
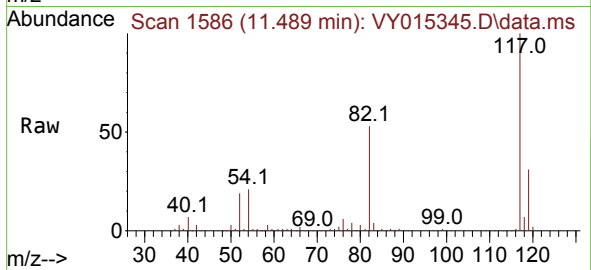




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

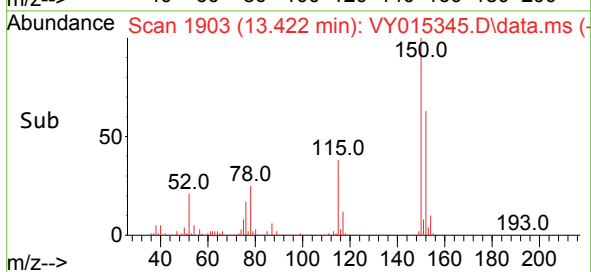
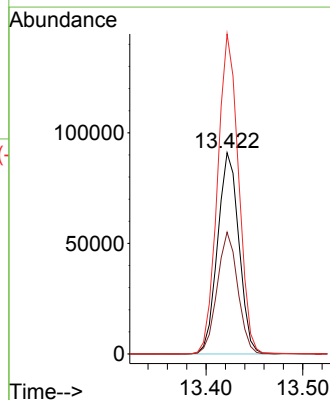
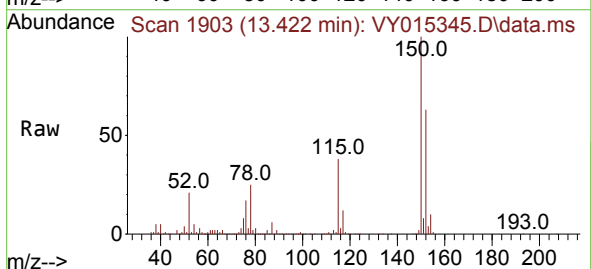
Instrument :
MSVOA_Y
ClientSampleId :

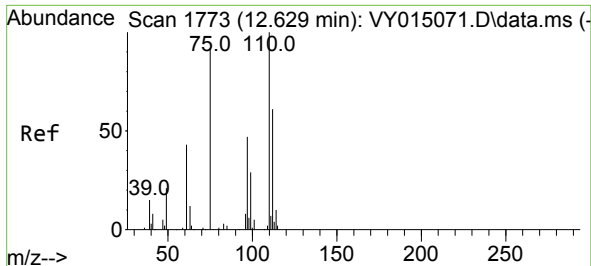
Tgt Ion:117 Resp: 286385
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 31.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Tgt Ion:152 Resp: 138905
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 157.1 0.0 348.8

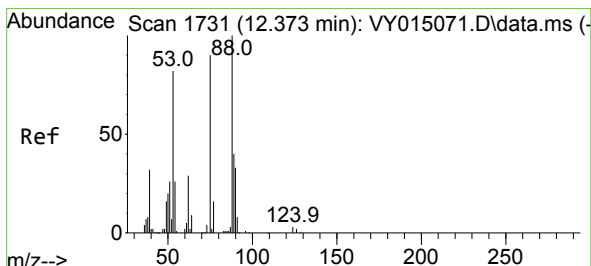
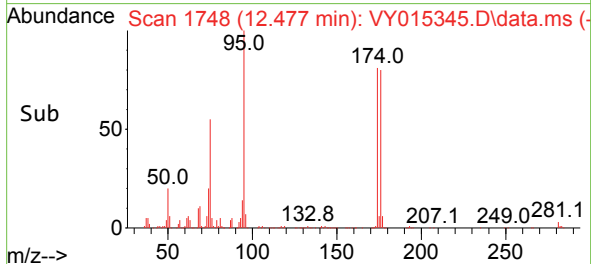
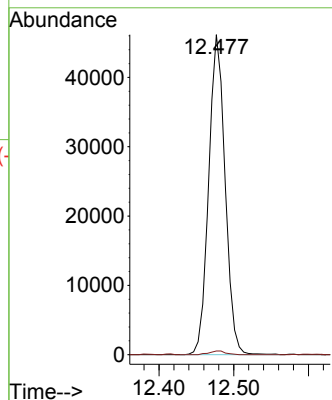
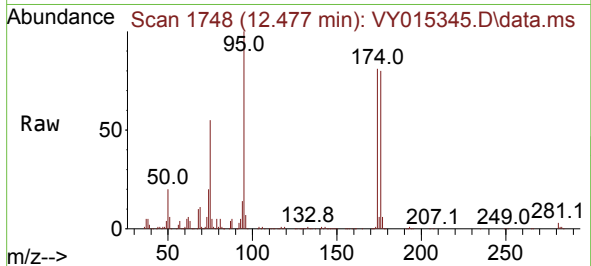




#76
1,2,3-Trichloropropane
Concen: 41.673 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 70327
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.534 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY015345.D
Acq: 25 Aug 2023 16:15

Tgt Ion: 75 Resp: 70327
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

