

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015341.D
 Acq On : 25 Aug 2023 14:41
 Operator : SY/MD
 Sample : 04165-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:42:09 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)

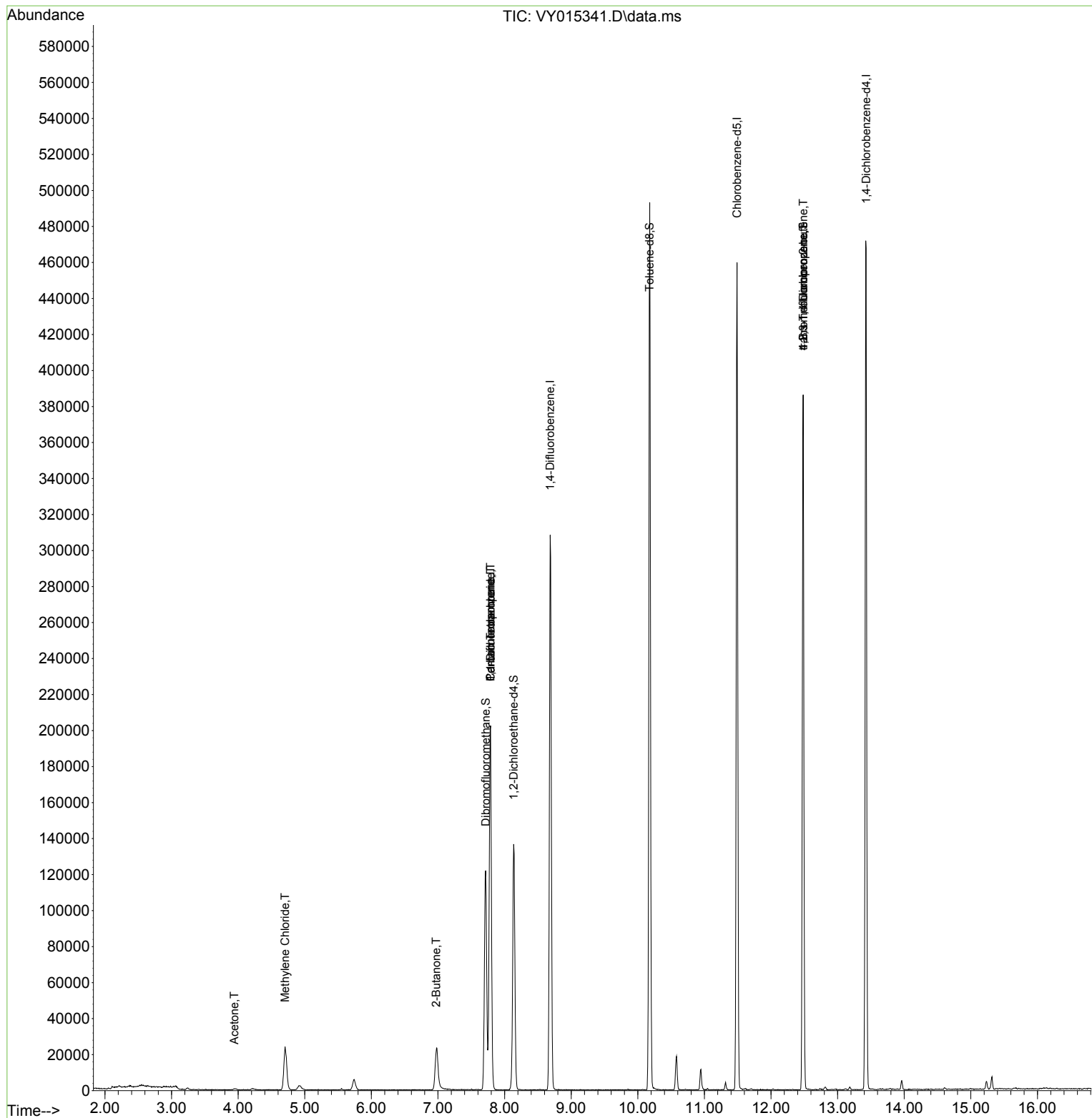
Internal Standards						
1) Pentafluorobenzene	7.789	168	158878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106125	55.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.716	113	85403	49.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.220%
50) Toluene-d8	10.179	98	315524	49.240	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.483	95	111583	47.675	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.360%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	116	Below Cal	#	43
3) Chloromethane	2.101	50	266	Below Cal	#	43
5) Bromomethane	2.637	94	146	Below Cal	#	2
11) Tert butyl alcohol	4.924	59	3007	Below Cal	#	89
16) Acetone	3.942	43	667	1.071	ug/l #	83
20) Methylene Chloride	4.704	84	17698	8.239	ug/l	91
25) 2-Butanone	6.972	43	1464	1.660	ug/l #	75
31) Cyclohexane	7.777	56	3302	Below Cal	#	6
36) 1,1-Dichloropropene	7.789	75	12622	6.628	ug/l #	51
38) Carbon Tetrachloride	7.789	117	16060	7.126	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	61525	41.442	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61525	91.027	ug/l #	10

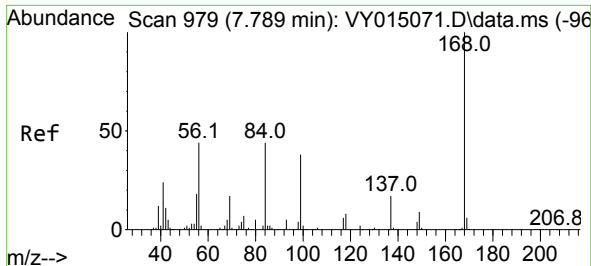
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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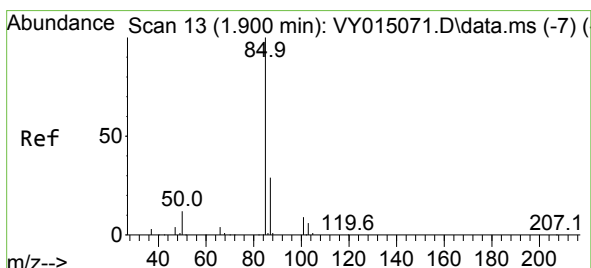
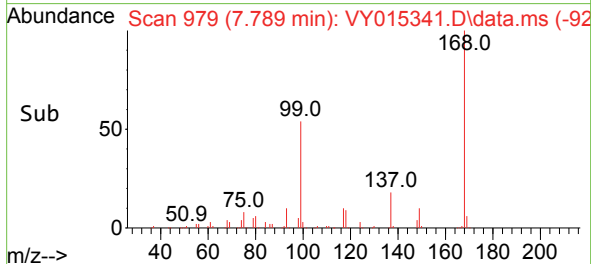
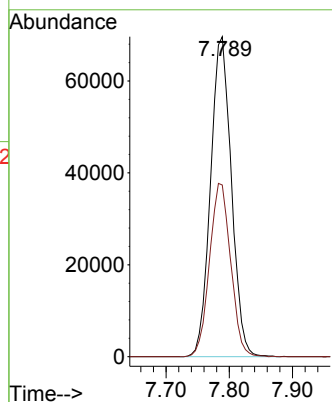
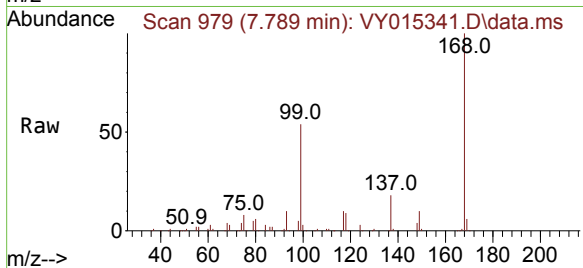




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

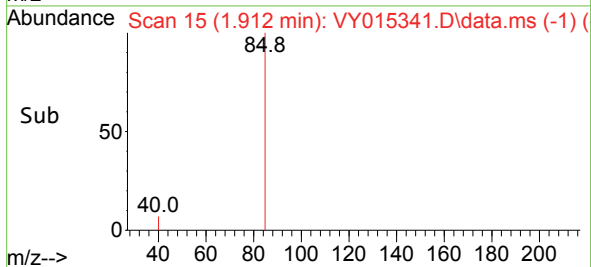
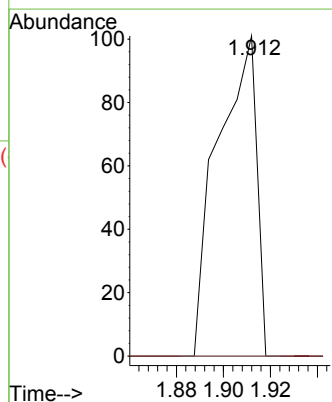
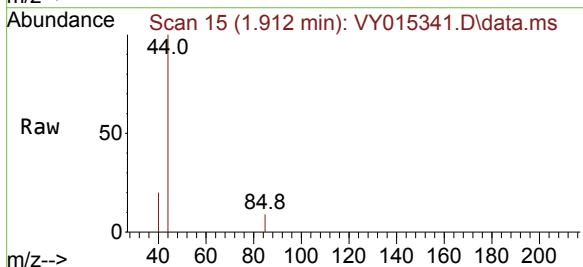
Instrument :
MSVOA_Y
ClientSampleId :

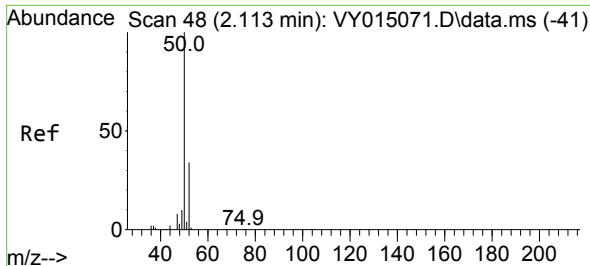
Tgt Ion:168 Resp: 158878
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

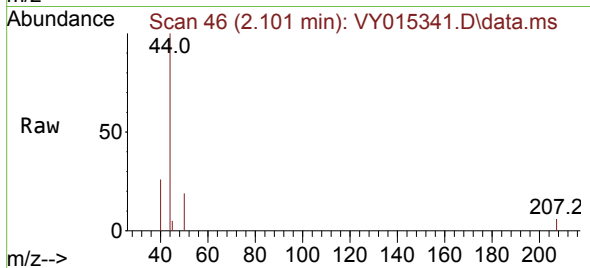
Tgt Ion: 85 Resp: 116
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



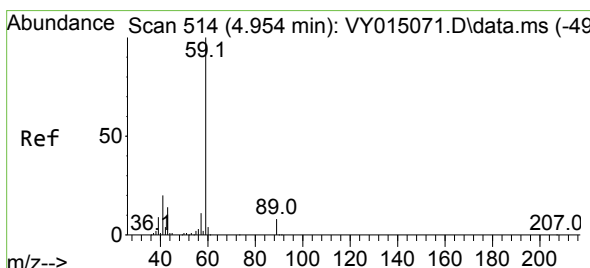
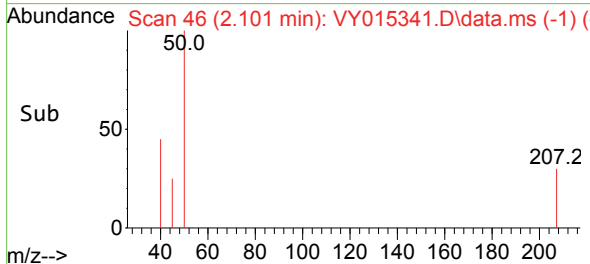
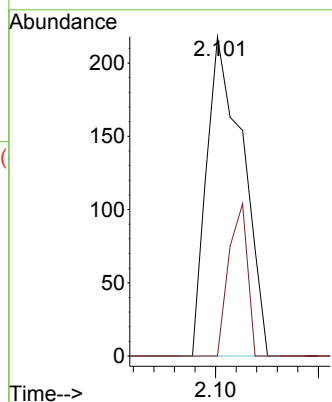


#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

Instrument :
MSVOA_Y
ClientSampleId :

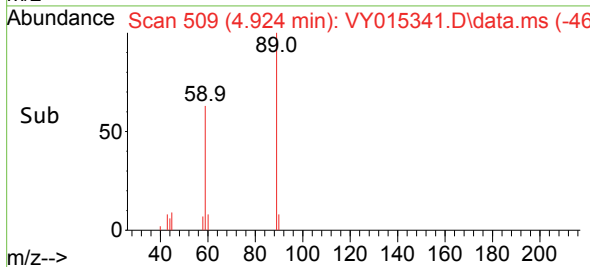
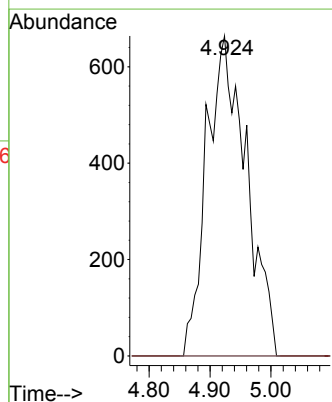
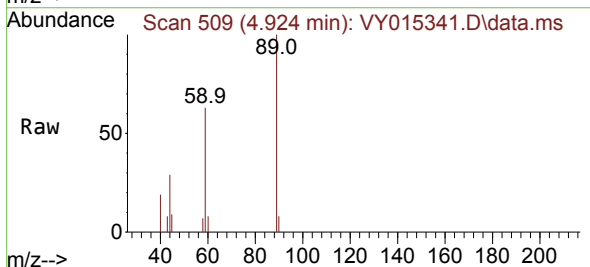


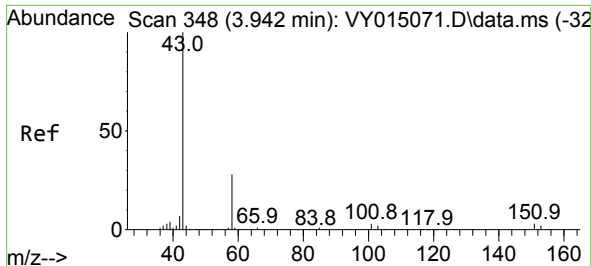
Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

Tgt Ion: 59 Resp: 3007
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.071 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

Instrument :

MSVOA_Y

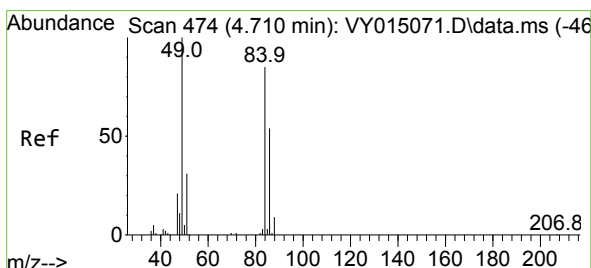
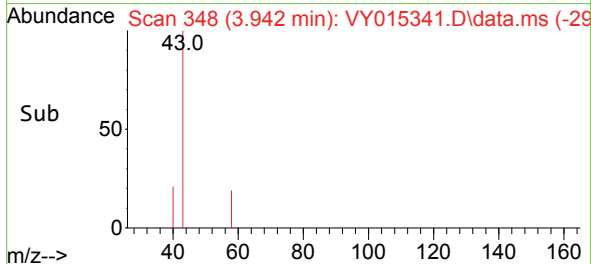
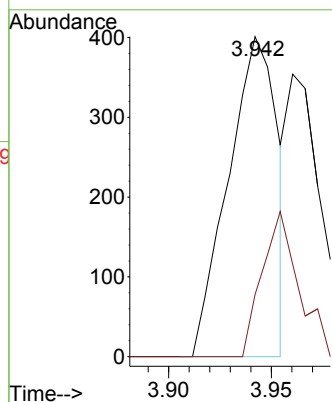
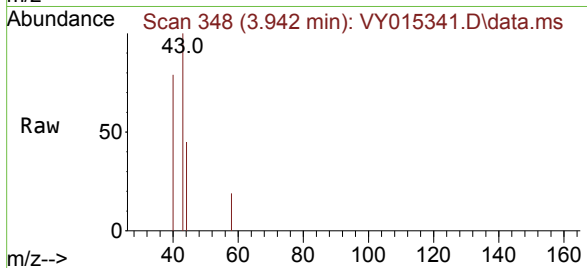
ClientSampleId :

Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

58 19.5 22.7 34.1#



#20

Methylene Chloride

Concen: 8.239 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

Tgt Ion: 84 Resp: 17698

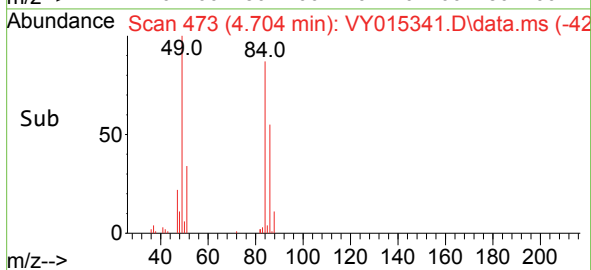
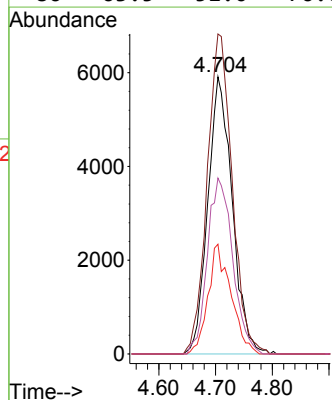
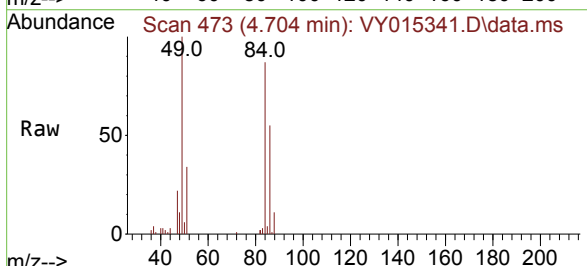
Ion Ratio Lower Upper

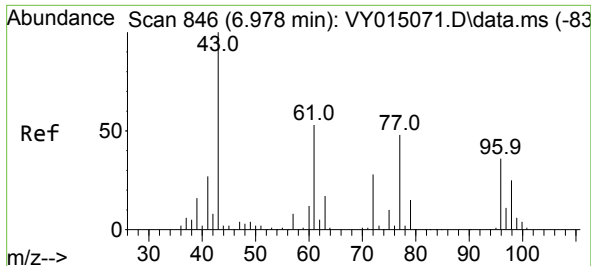
84 100

49 115.5 106.9 160.3

51 39.6 33.2 49.8

86 63.5 51.0 76.6

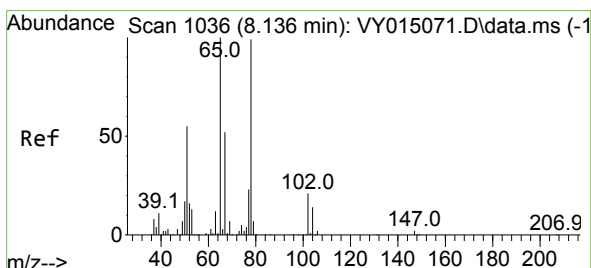
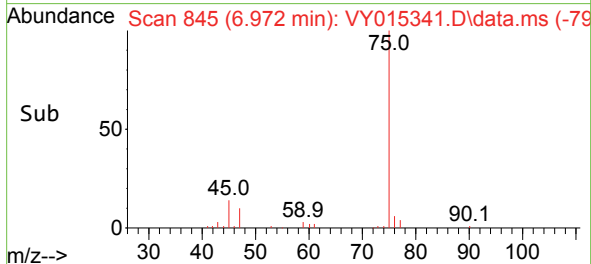
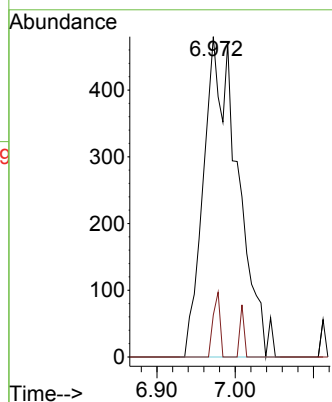
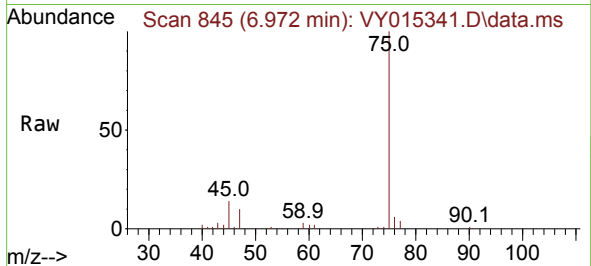




#25
2-Butanone
Concen: 1.660 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

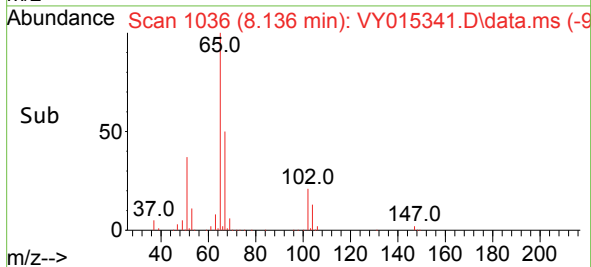
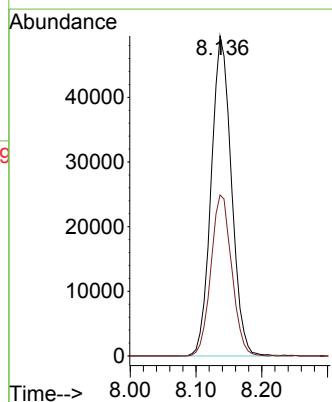
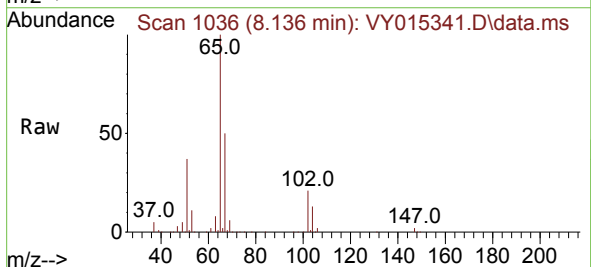
Instrument :
MSVOA_Y
ClientSampleId :

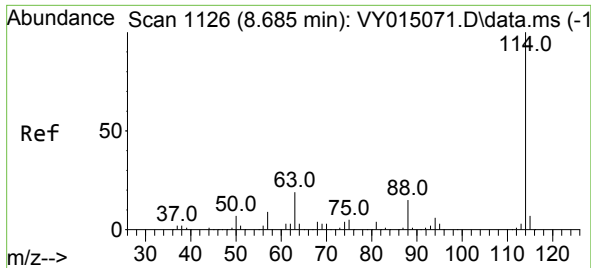
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
72 13.1 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 55.645 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

Tgt Ion: 65 Resp: 106125
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.8

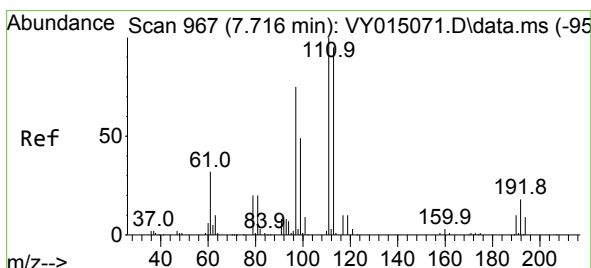
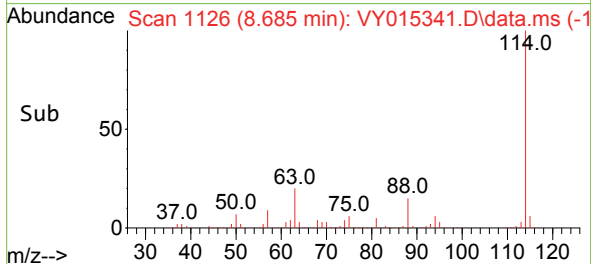
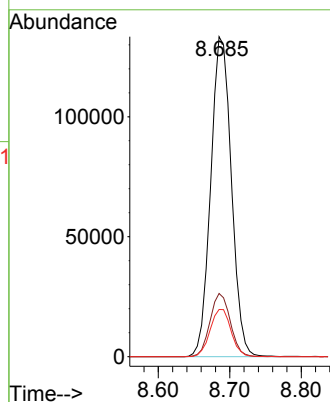
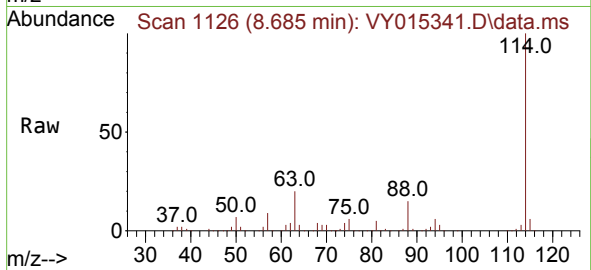




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

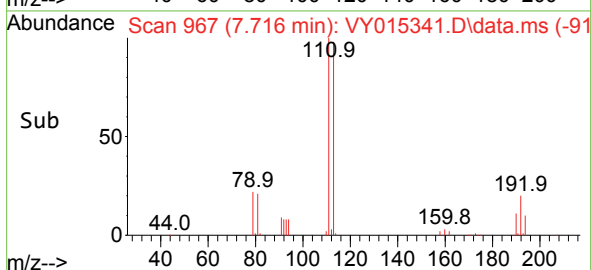
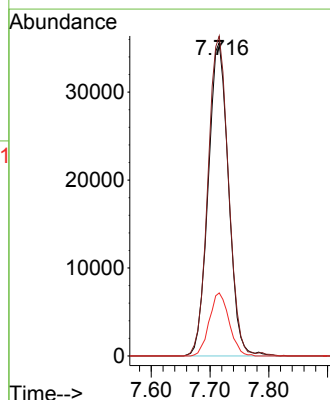
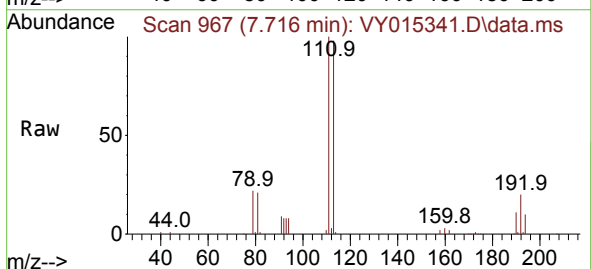
Instrument :
MSVOA_Y
ClientSampleId :

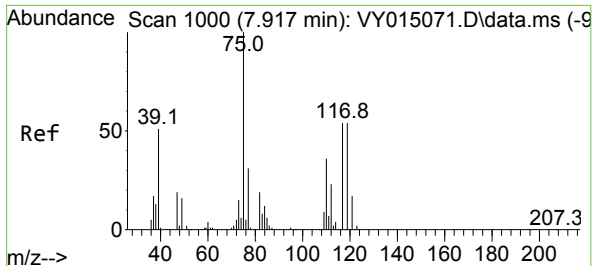
Tgt Ion:114 Resp: 267569
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.614 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

Tgt Ion:113 Resp: 85403
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.628 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

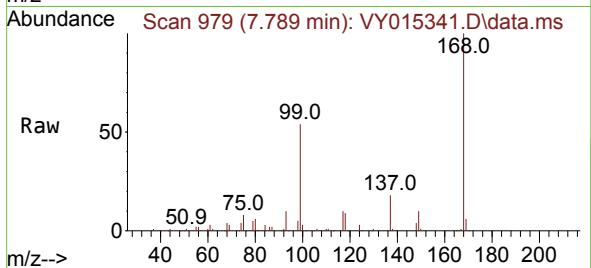
Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

Instrument :

MSVOA_Y

ClientSampleId :



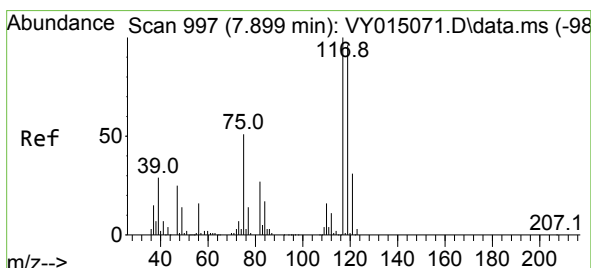
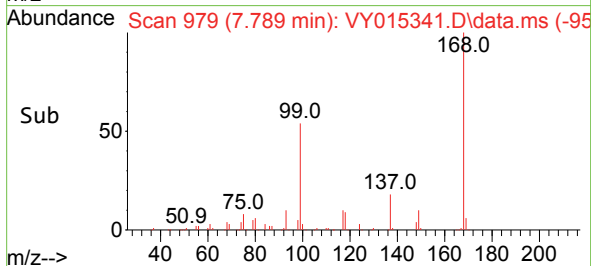
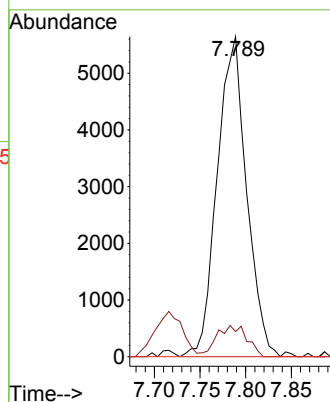
Tgt Ion: 75 Resp: 12622

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.126 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

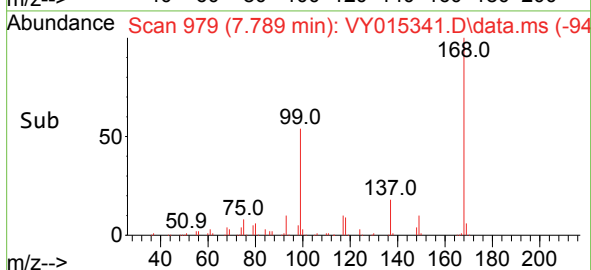
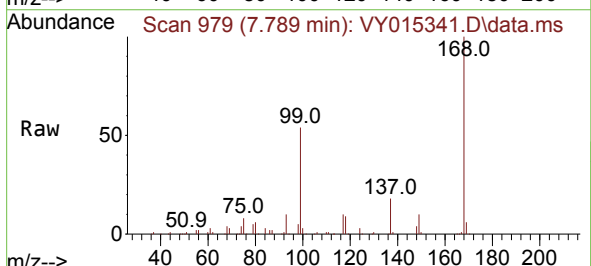
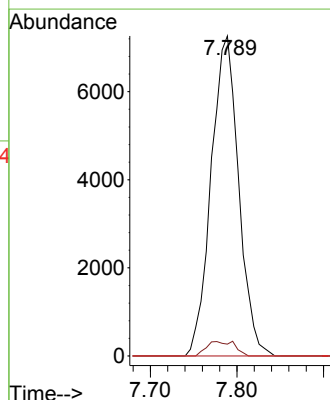
Tgt Ion: 117 Resp: 16060

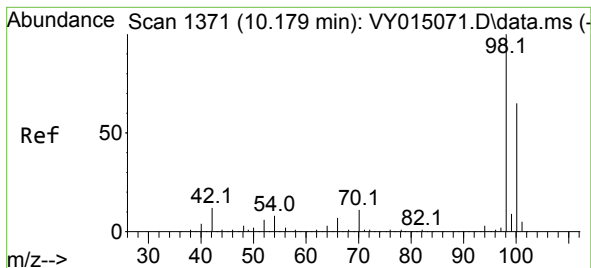
Ion Ratio Lower Upper

117 100

119 3.7 76.4 114.6#

121 0.0 25.8 38.6#

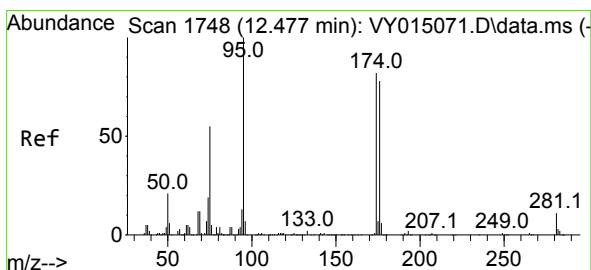
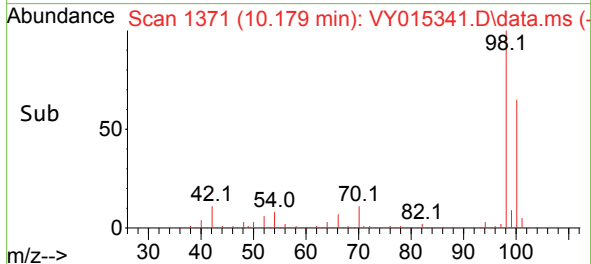
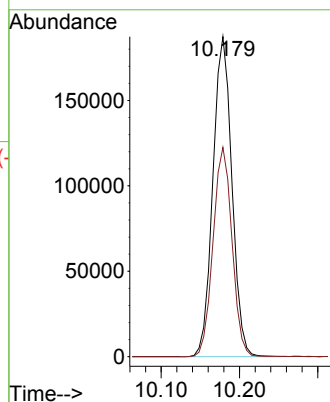
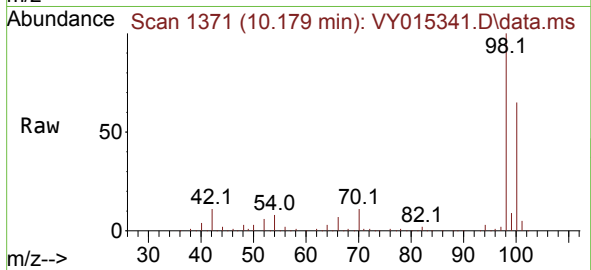




#50
Toluene-d8
Concen: 49.240 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

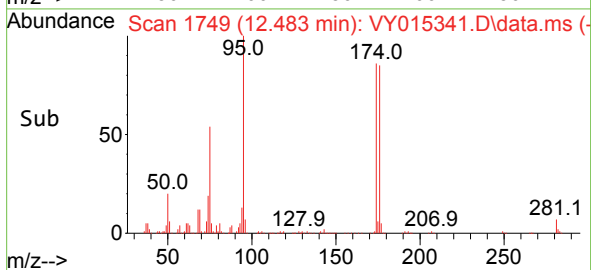
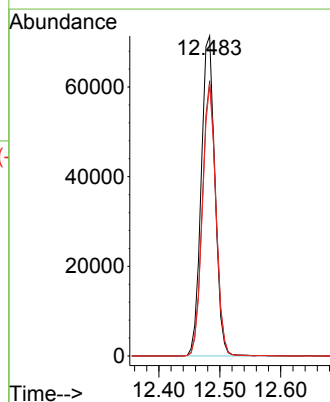
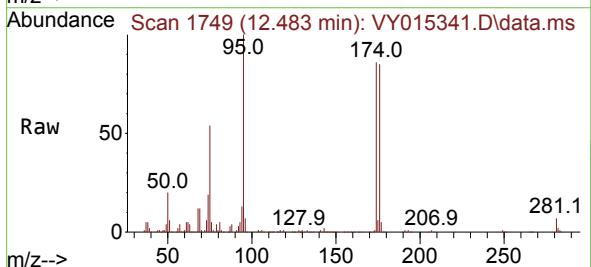
Instrument :
MSVOA_Y
ClientSampleId :

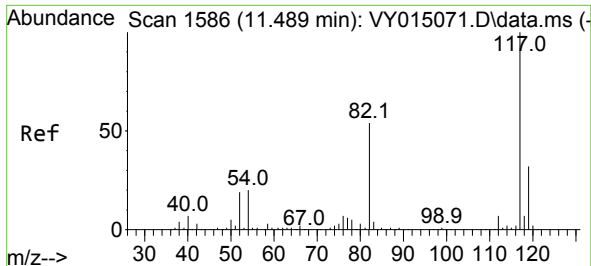
Tgt Ion: 98 Resp: 315524
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.675 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

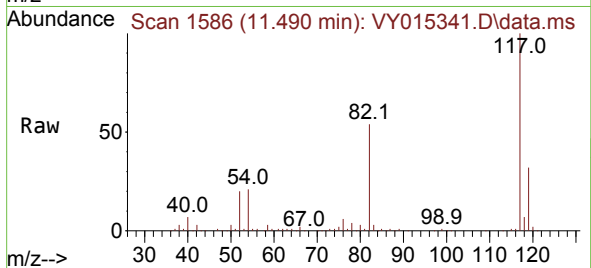
Tgt Ion: 95 Resp: 111583
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.9 0.0 173.8



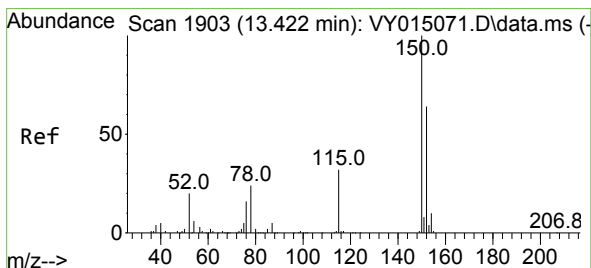
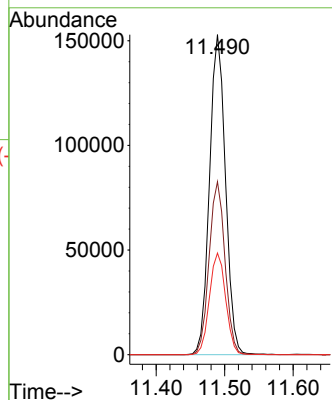
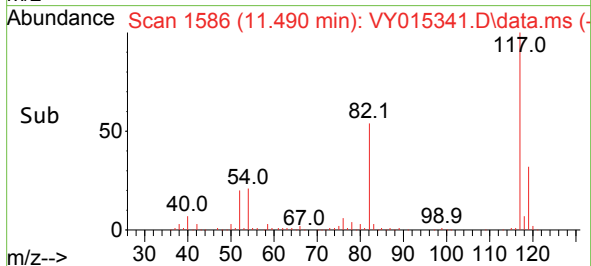


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41

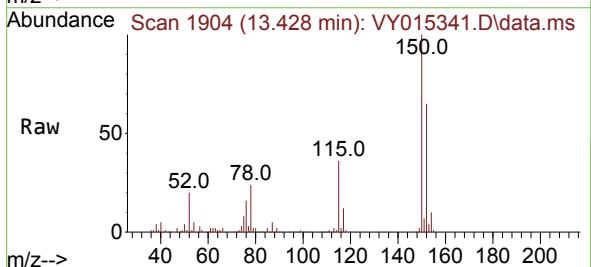
Instrument :
MSVOA_Y
ClientSampleId :



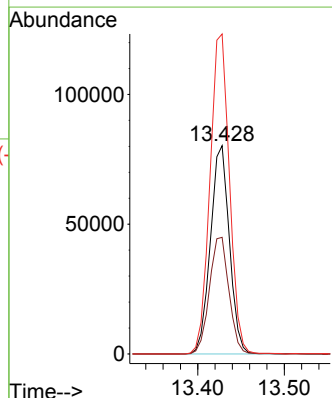
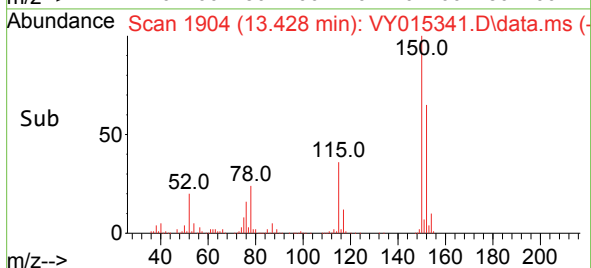
Tgt Ion:117 Resp: 247732
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.7 26.3 39.5

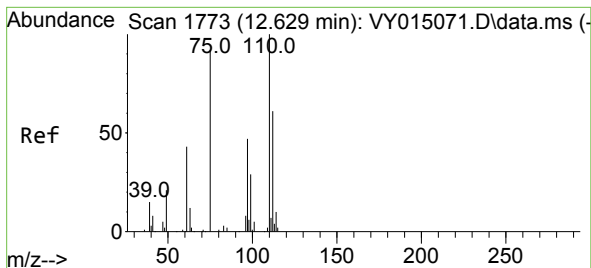


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015341.D
Acq: 25 Aug 2023 14:41



Tgt Ion:152 Resp: 122197
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 157.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.442 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

Instrument :

MSVOA_Y

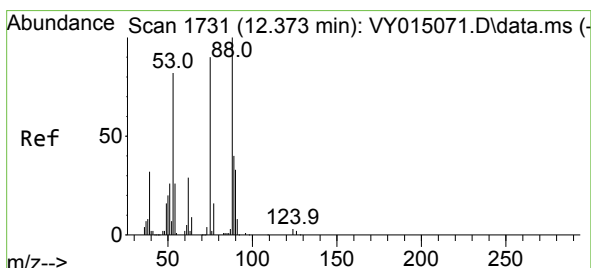
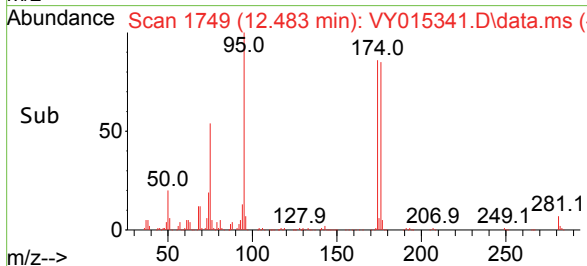
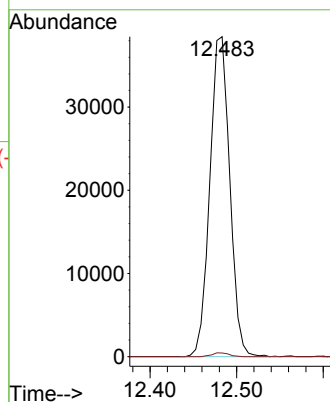
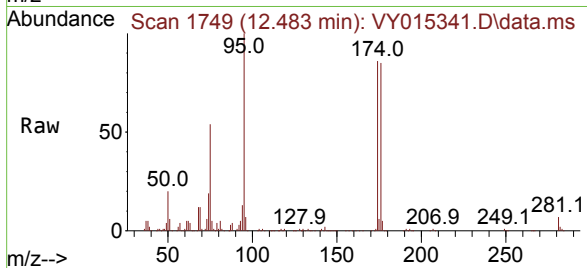
ClientSampleId :

Tgt Ion: 75 Resp: 61525

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.027 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015341.D

Acq: 25 Aug 2023 14:41

Tgt Ion: 75 Resp: 61525

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

