

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015349.D
 Acq On : 25 Aug 2023 17:50
 Operator : SY/MD
 Sample : 04183-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:45:42 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)

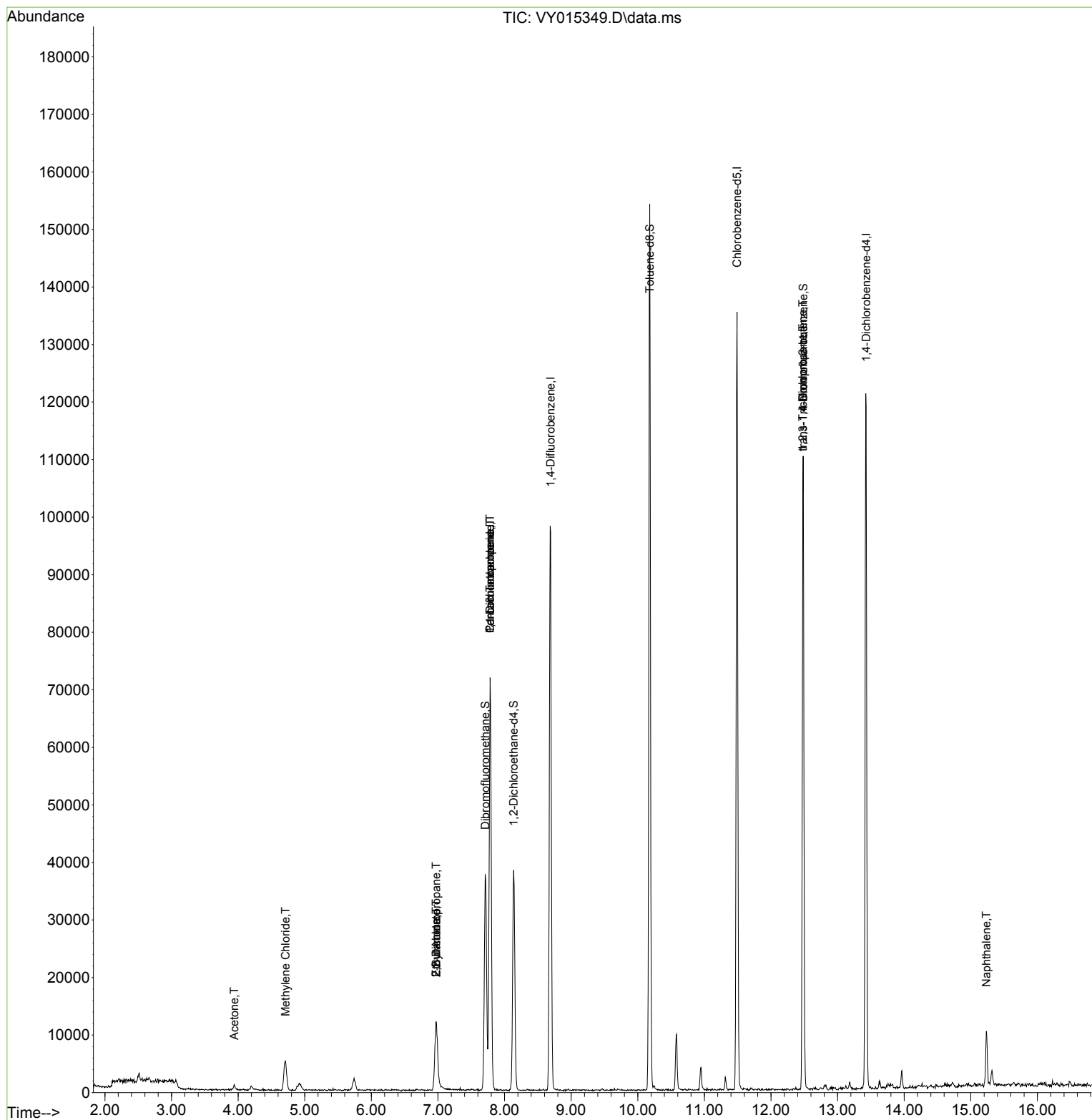
Internal Standards						
1) Pentafluorobenzene	7.783	168	54905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	74548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	30671	46.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.080%		
35) Dibromofluoromethane	7.710	113	27255	48.686	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.380%		
50) Toluene-d8	10.179	98	98463	47.248	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.500%		
62) 4-Bromofluorobenzene	12.483	95	30854	40.535	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	106	Below Cal	#	43
5) Bromomethane	2.662	94	229	Below Cal	#	70
11) Tert butyl alcohol	4.918	59	930	Below Cal	#	89
16) Acetone	3.942	43	1170	5.434	ug/l #	63
20) Methylene Chloride	4.710	84	4019	3.792	ug/l	94
25) 2-Butanone	6.972	43	718	2.355	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1013	1.148	ug/l #	54
31) Cyclohexane	7.783	56	1063	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	4524	7.305	ug/l #	50
37) Ethyl Acetate	6.972	43	718	1.244	ug/l #	13
38) Carbon Tetrachloride	7.783	117	5604	7.646	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	16887	43.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16887	96.140	ug/l #	11
95) Naphthalene	15.233	128	8690	5.892	ug/l	98

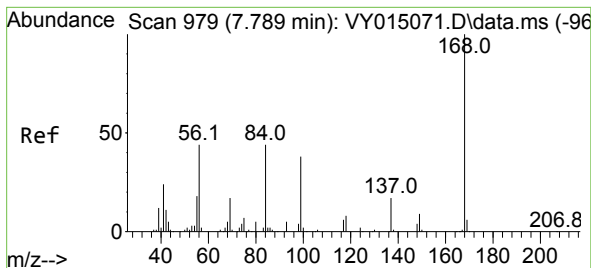
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015349.D

Acq: 25 Aug 2023 17:50

Instrument :

MSVOA_Y

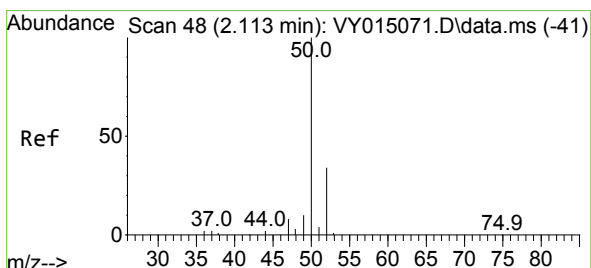
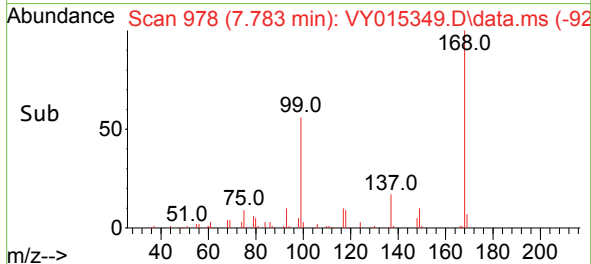
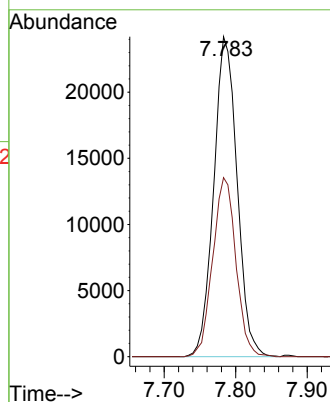
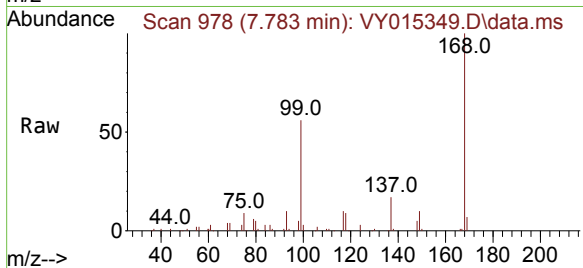
ClientSampleId :

Tgt Ion:168 Resp: 54905

Ion Ratio Lower Upper

168 100

99 56.0 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015349.D

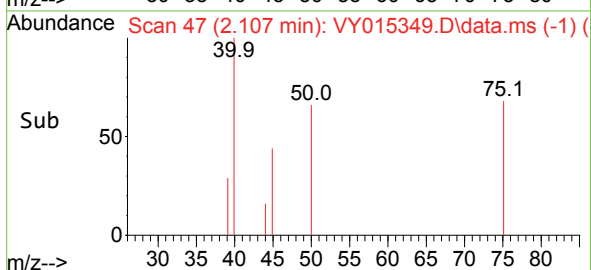
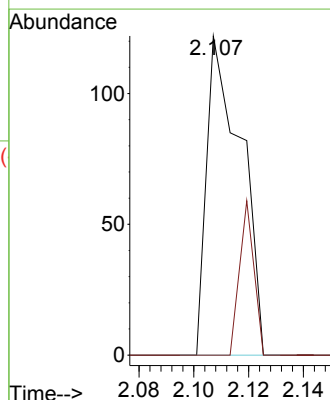
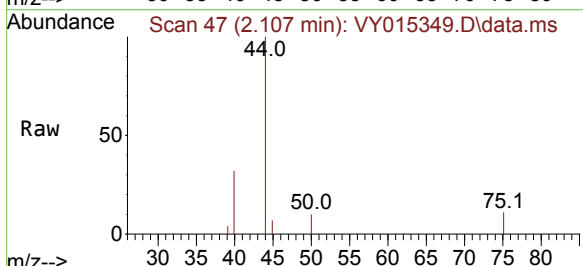
Acq: 25 Aug 2023 17:50

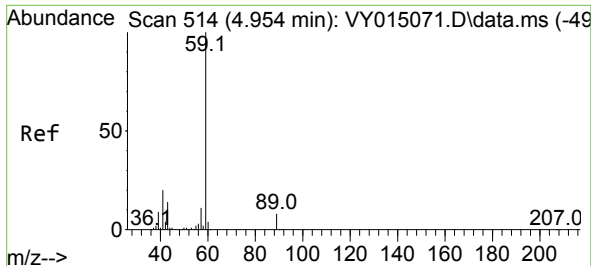
Tgt Ion: 50 Resp: 106

Ion Ratio Lower Upper

50 100

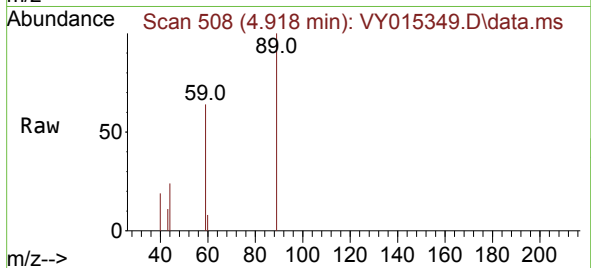
52 0.0 25.4 38.2#



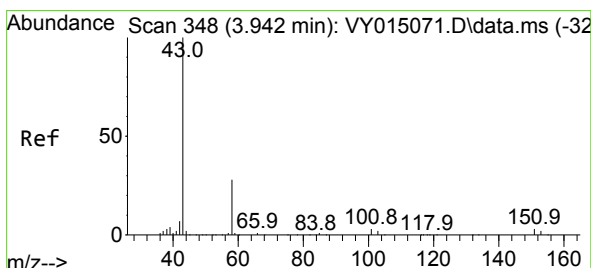
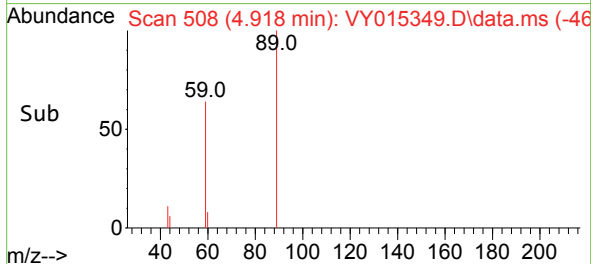
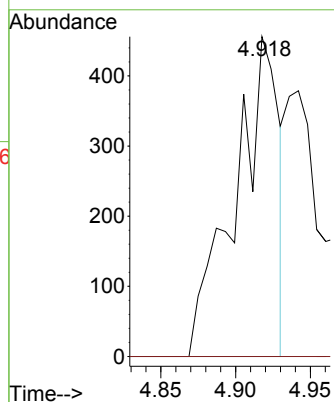


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

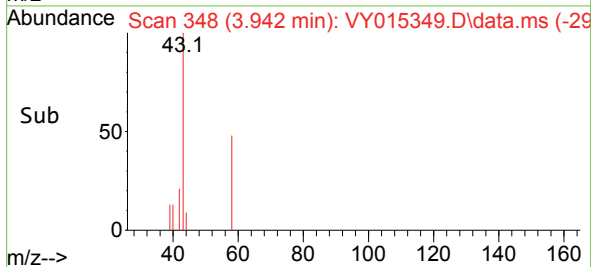
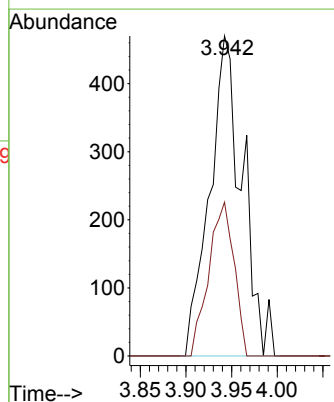
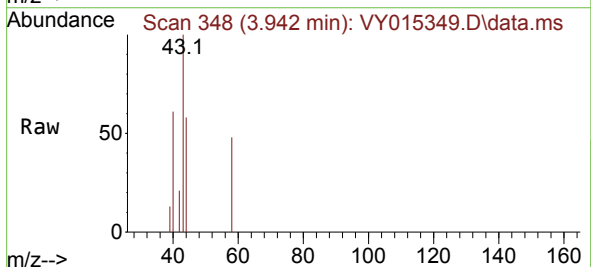


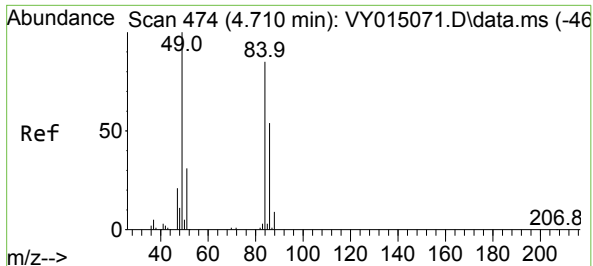
Tgt Ion: 59 Resp: 930
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 5.434 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 48.1 22.7 34.1#





#20

Methylene Chloride

Concen: 3.792 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

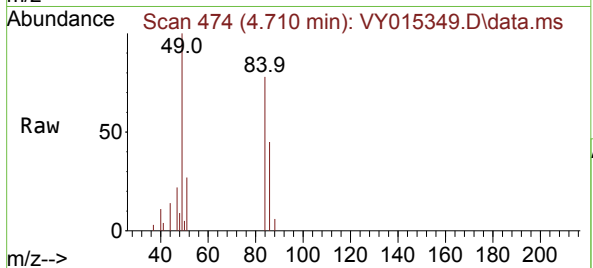
Lab File: VY015349.D

Acq: 25 Aug 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 4019

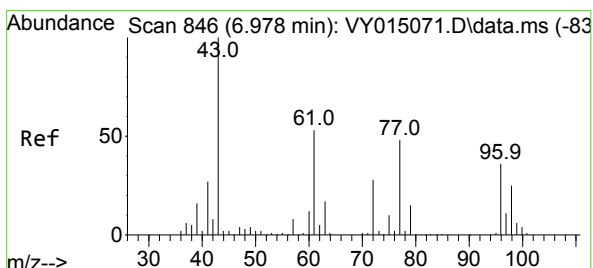
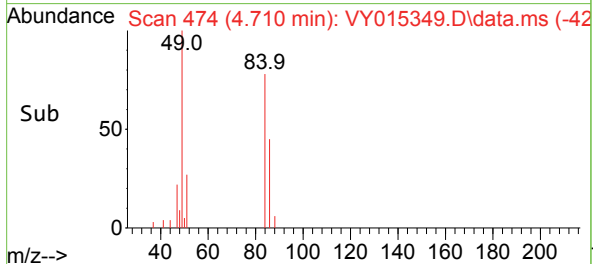
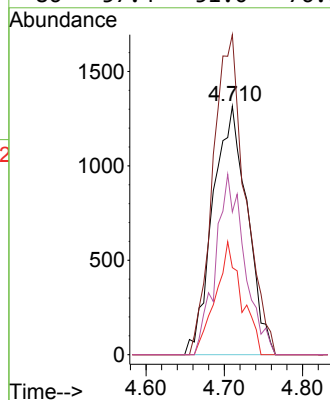
Ion Ratio Lower Upper

84 100

49 128.8 106.9 160.3

51 35.0 33.2 49.8

86 57.4 51.0 76.6



#25

2-Butanone

Concen: 2.355 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015349.D

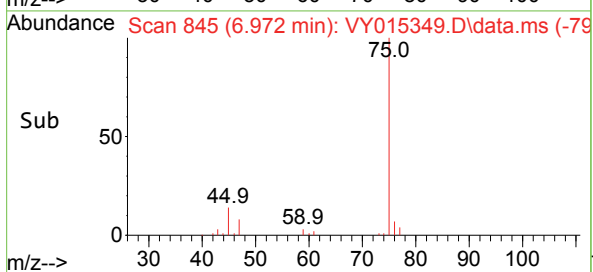
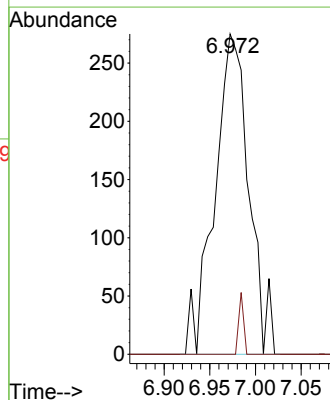
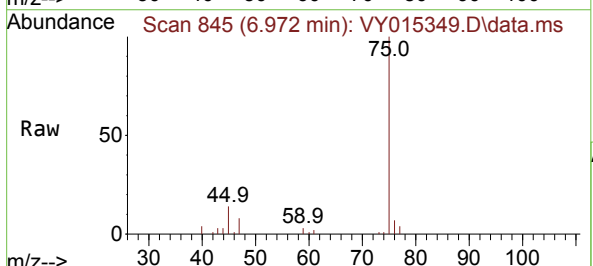
Acq: 25 Aug 2023 17:50

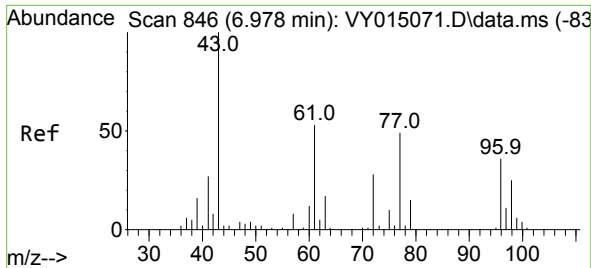
Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

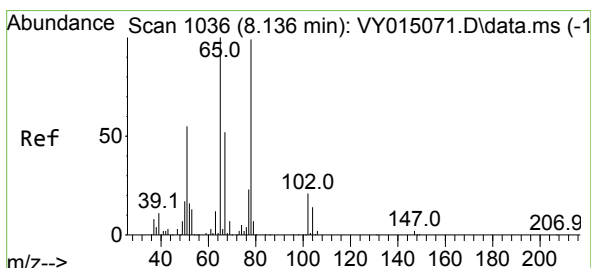
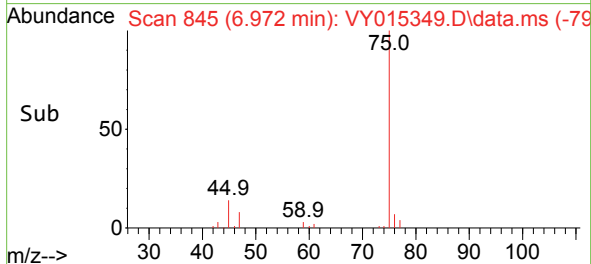
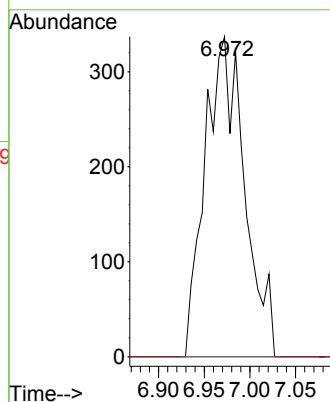
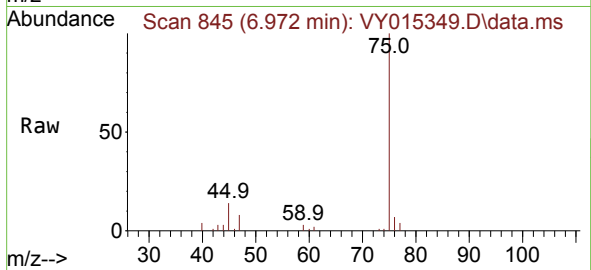




#26
2,2-Dichloropropane
Concen: 1.148 ug/l
RT: 6.972 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

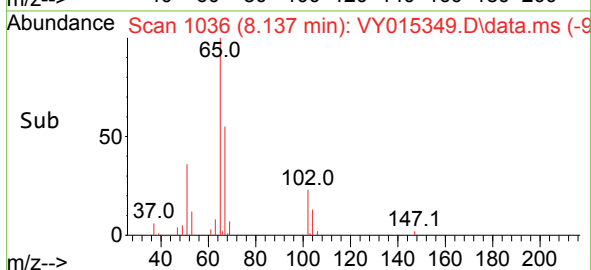
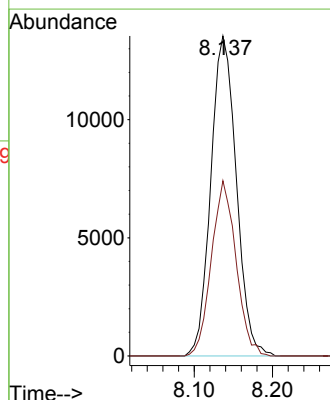
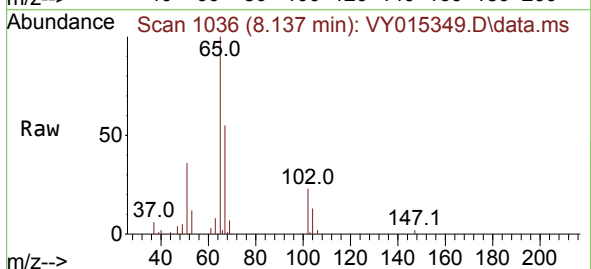
Instrument :
MSVOA_Y
ClientSampleId :

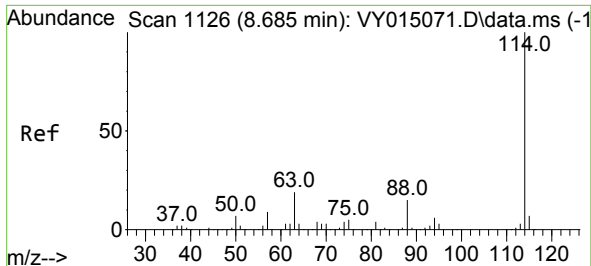
Tgt Ion: 77 Resp: 1013
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 46.536 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Tgt Ion: 65 Resp: 30671
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015349.D

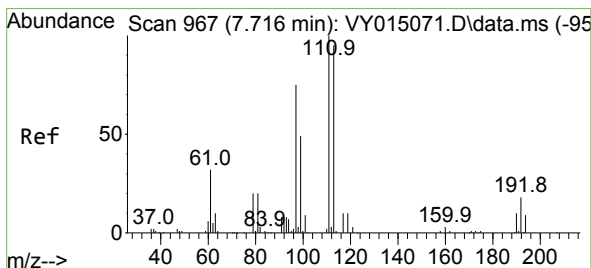
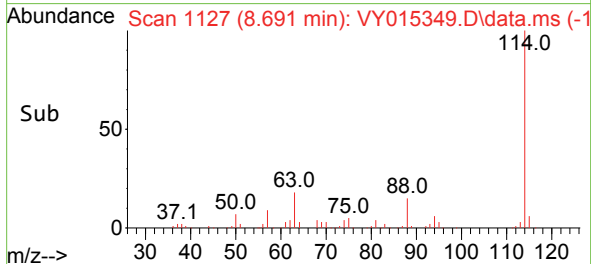
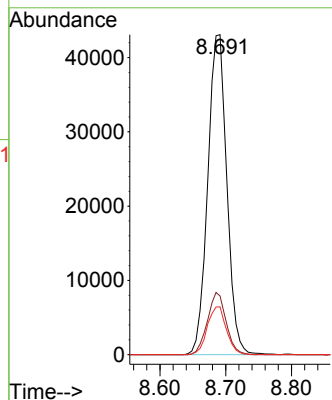
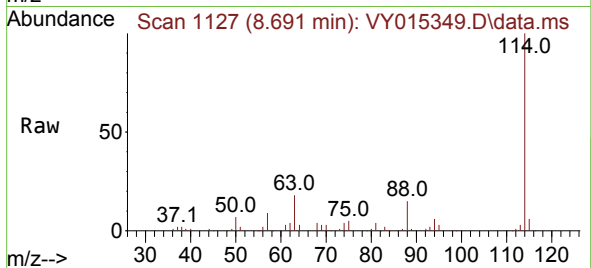
Acq: 25 Aug 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	87018
Ion Ratio	Lower	Upper
114	100	
63	18.3	0.0 42.4
88	14.9	0.0 30.6



#35

Dibromofluoromethane

Concen: 48.686 ug/l

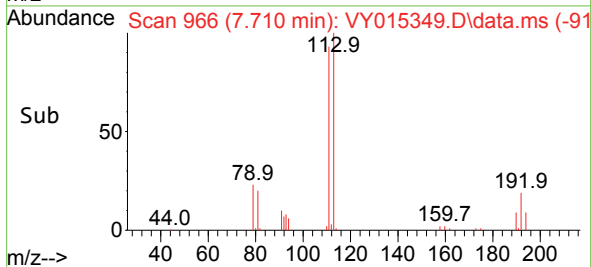
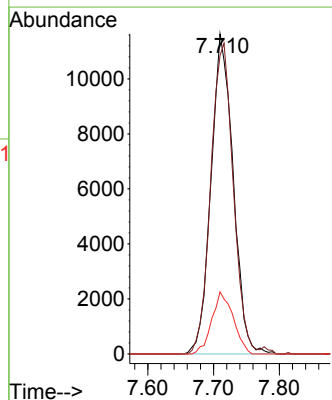
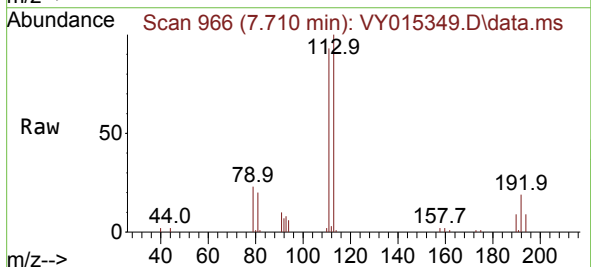
RT: 7.710 min Scan# 966

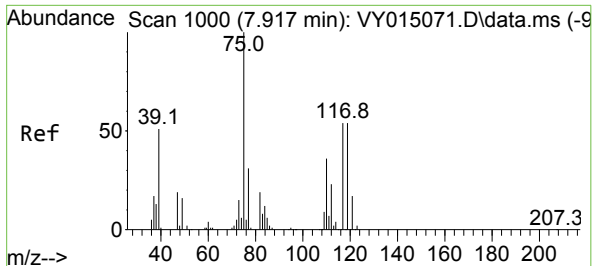
Delta R.T. -0.006 min

Lab File: VY015349.D

Acq: 25 Aug 2023 17:50

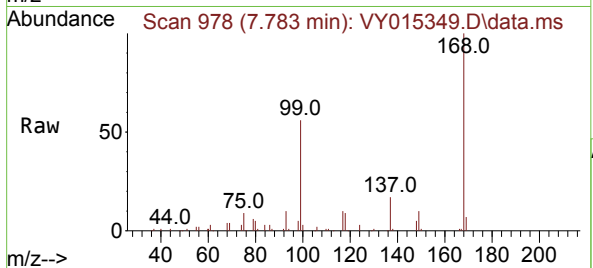
Tgt Ion:113	Resp:	27255
Ion Ratio	Lower	Upper
113	100	
111	98.6	81.3 121.9
192	18.8	16.9 25.3



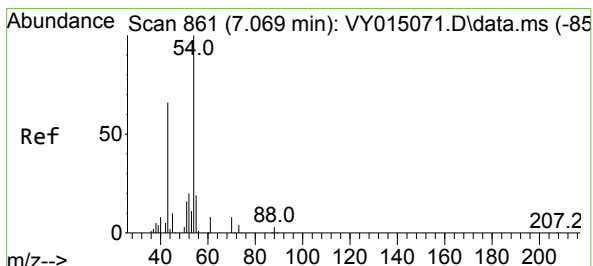
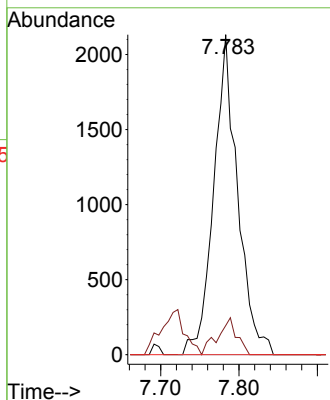
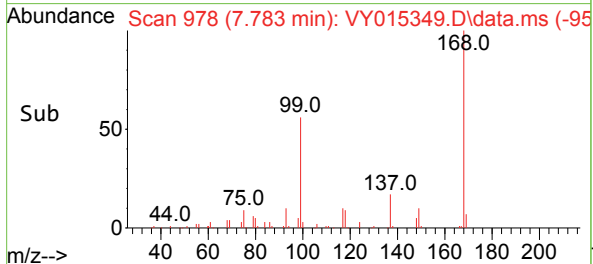


#36
1,1-Dichloropropene
Concen: 7.305 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

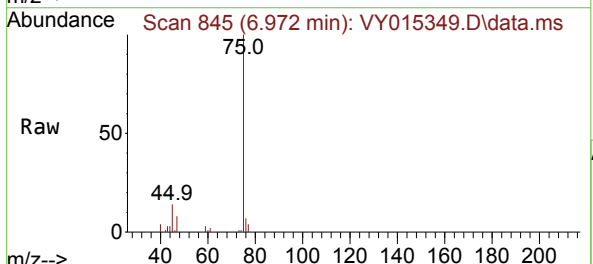
Instrument :
MSVOA_Y
ClientSampleId :



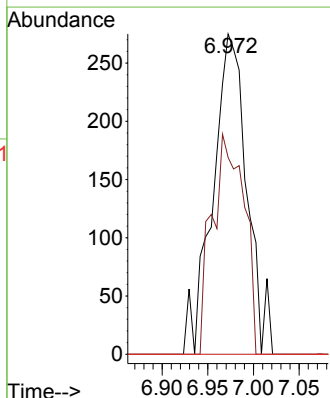
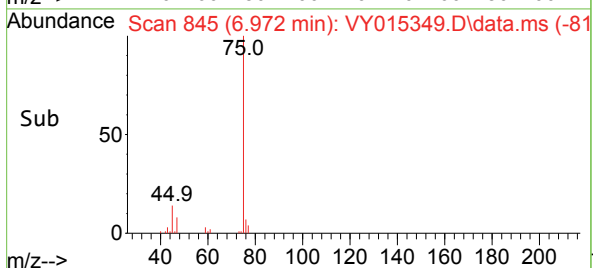
Tgt Ion: 75 Resp: 4524
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#

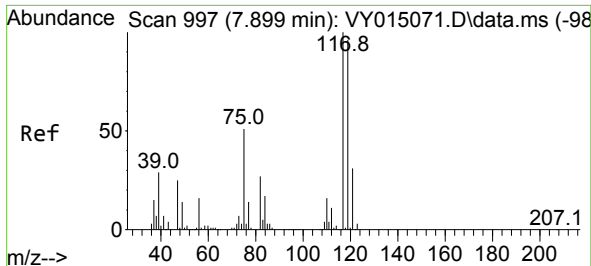


#37
Ethyl Acetate
Concen: 1.244 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.097 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50



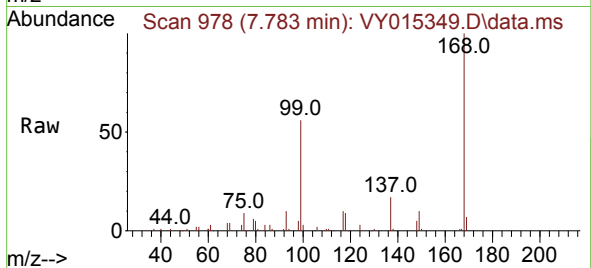
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
61 64.2 10.1 15.1#
70 0.0 7.1 10.7#



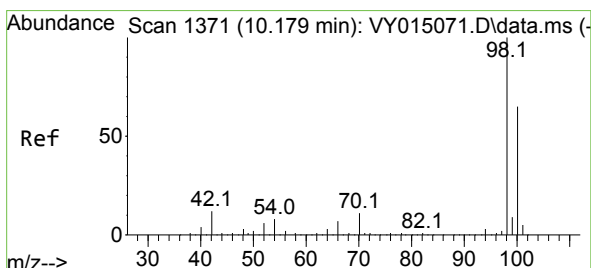
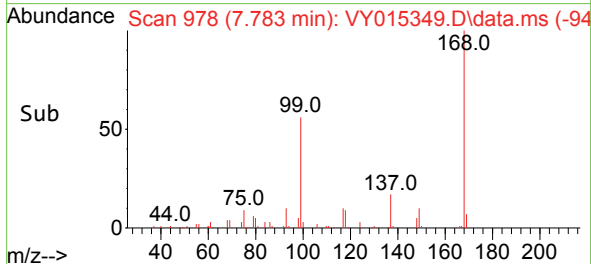
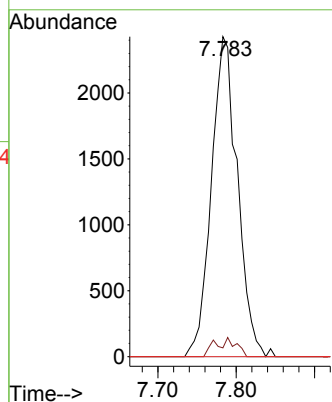


#38
Carbon Tetrachloride
Concen: 7.646 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

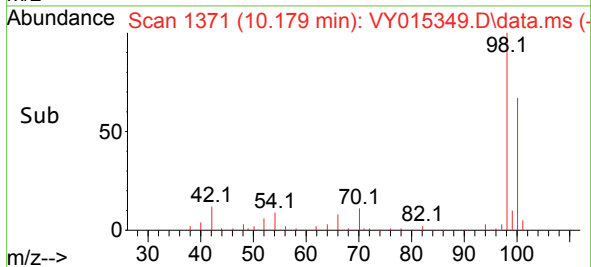
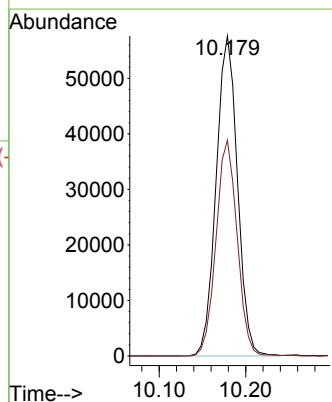
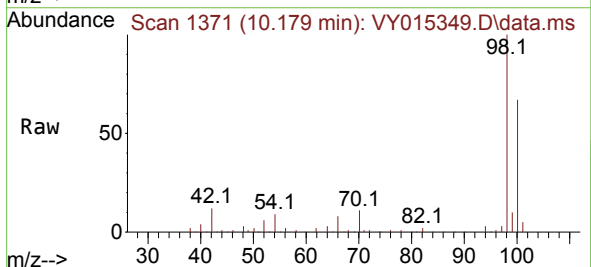


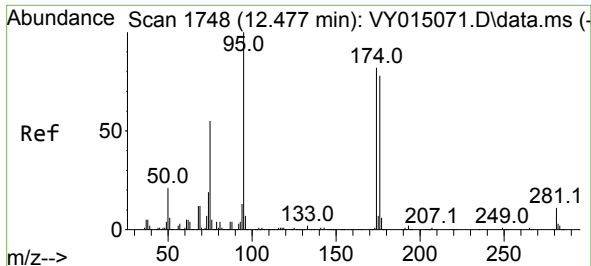
Tgt Ion:117 Resp: 5604
Ion Ratio Lower Upper
117 100
119 2.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.248 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Tgt Ion: 98 Resp: 98463
Ion Ratio Lower Upper
98 100
100 66.9 50.1 75.1

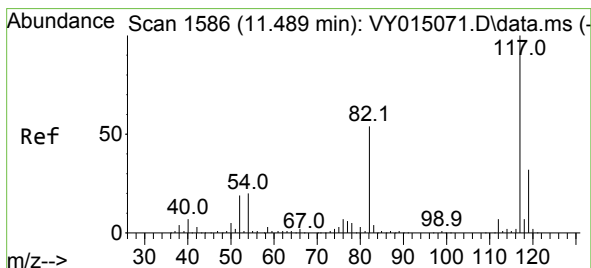
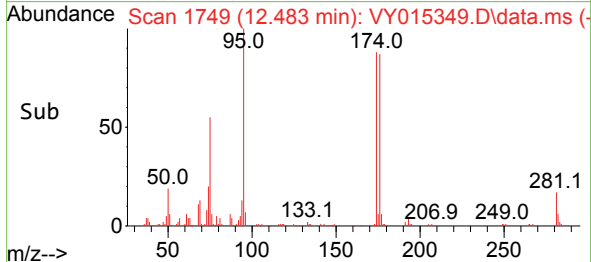
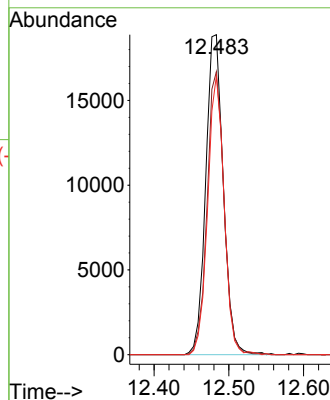
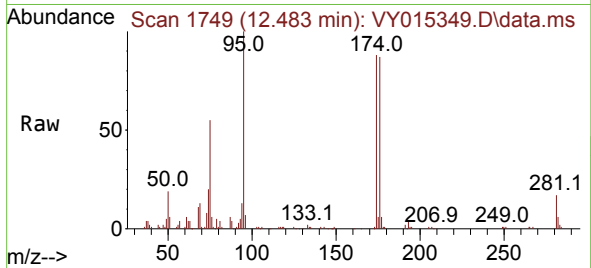




#62
4-Bromofluorobenzene
Concen: 40.535 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

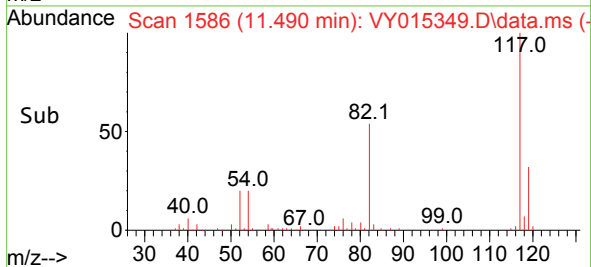
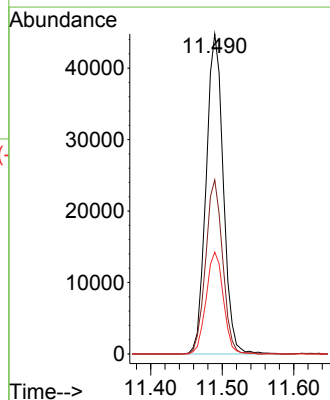
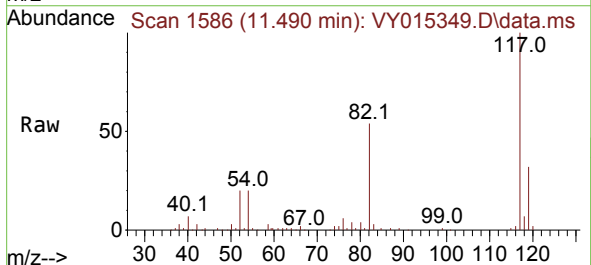
Instrument :
MSVOA_Y
ClientSampleId :

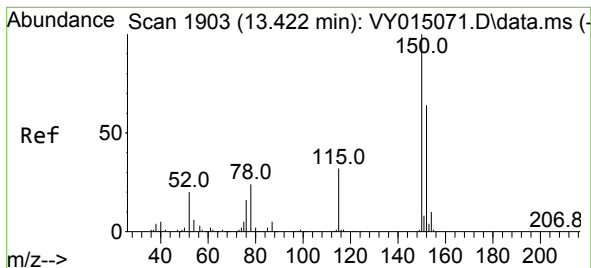
Tgt Ion:	95	Resp:	30854
Ion Ratio	Lower	Upper	
95	100		
174	85.6	0.0	178.2
176	81.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Tgt Ion:	117	Resp:	74548
Ion Ratio	Lower	Upper	
117	100		
82	54.4	43.4	65.0
119	31.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015349.D

Acq: 25 Aug 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

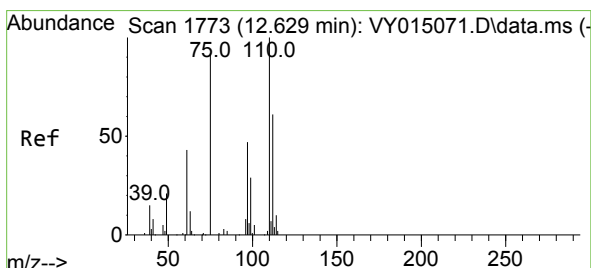
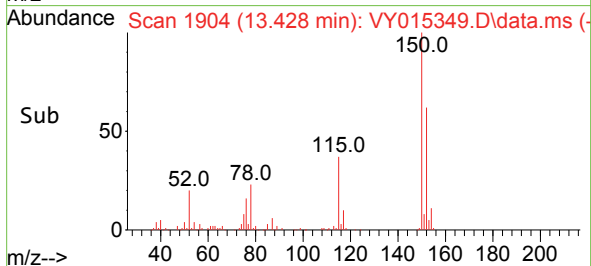
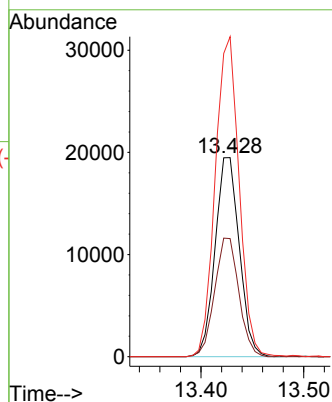
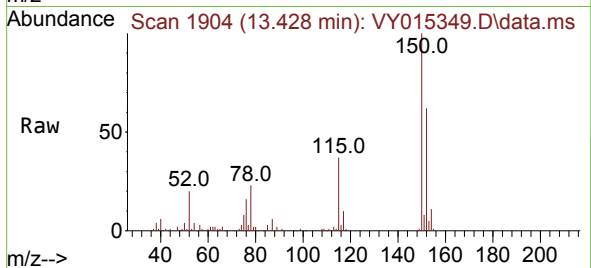
Tgt Ion:152 Resp: 31756

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 159.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 43.770 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015349.D

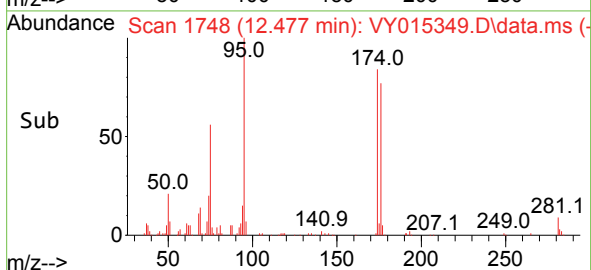
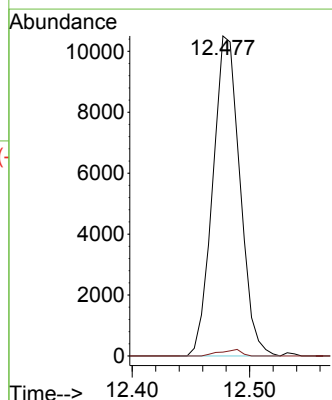
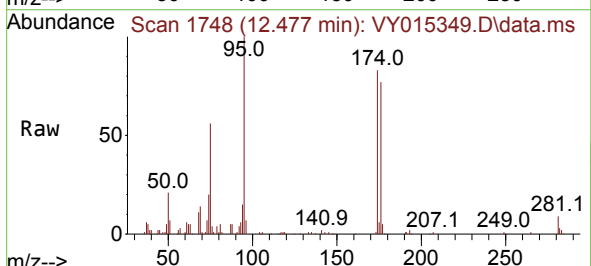
Acq: 25 Aug 2023 17:50

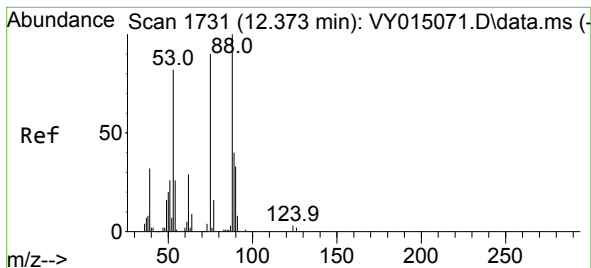
Tgt Ion: 75 Resp: 16887

Ion Ratio Lower Upper

75 100

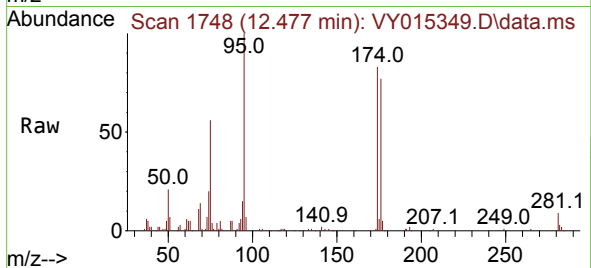
77 1.6 0.0 0.0#



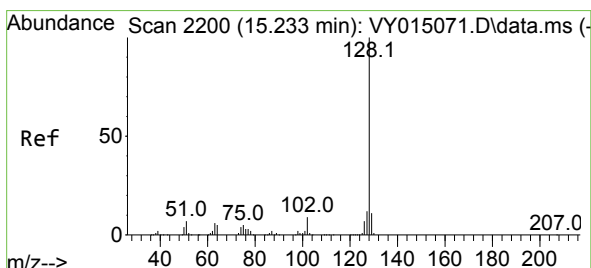
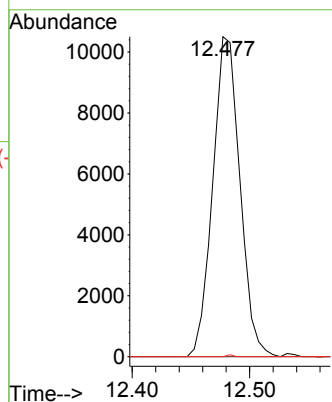
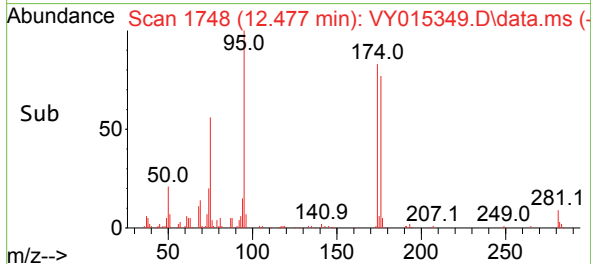


#81
trans-1,4-Dichloro-2-butene
Concen: 96.140 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.104 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 16887
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 5.892 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015349.D
Acq: 25 Aug 2023 17:50

Tgt Ion: 128 Resp: 8690
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 12.3 8.6 13.0

