

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015116.D
 Acq On : 15 Aug 2023 20:15
 Operator : SY/MD
 Sample : 03981-01
 Misc : 9.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:09:29 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)

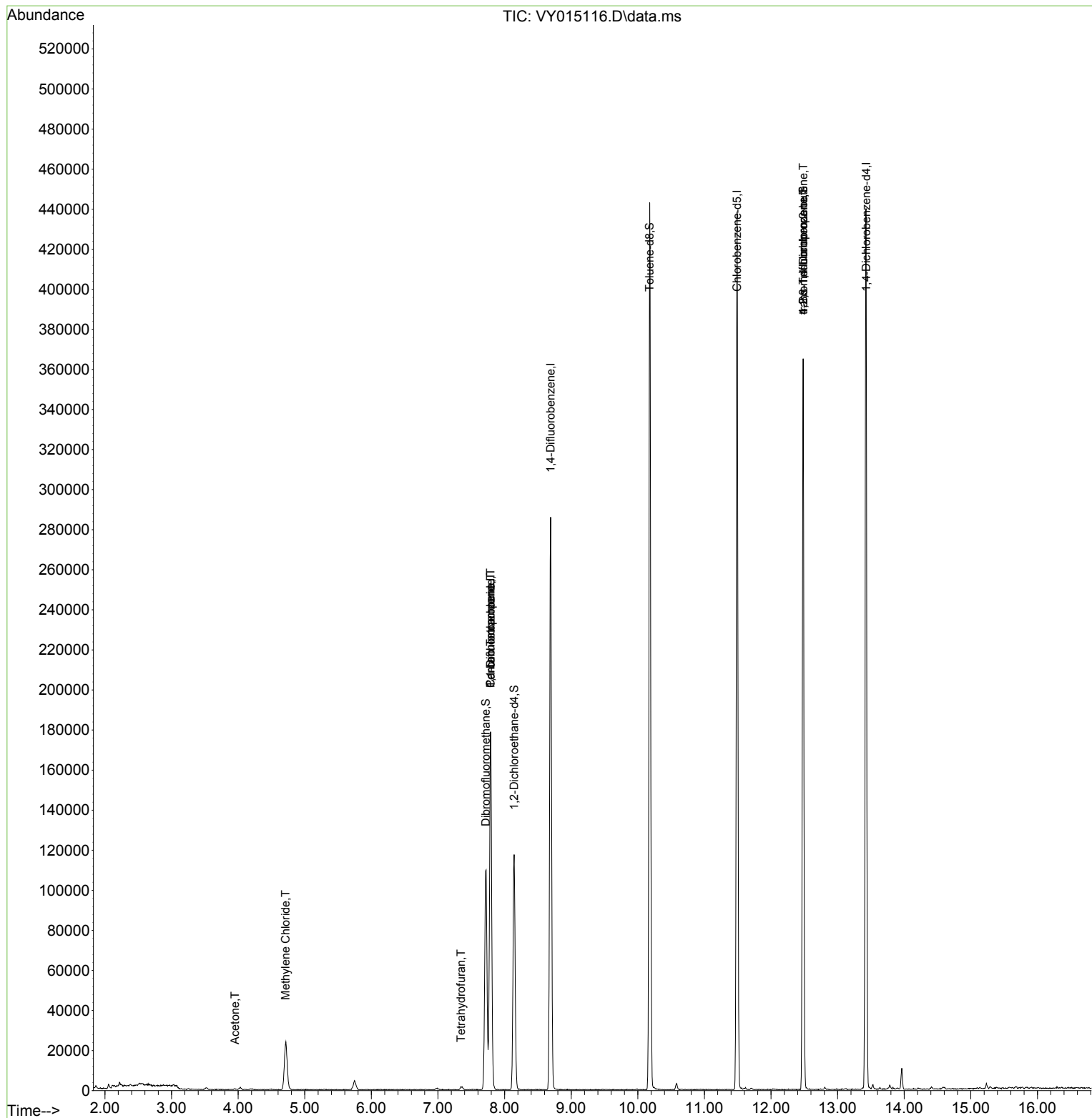
Internal Standards						
1) Pentafluorobenzene	7.789	168	139505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	92346	55.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.280%
35) Dibromofluoromethane	7.716	113	77822	48.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.179	98	287695	48.540	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.483	95	108157	49.961	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31	Below Cal	#	43
3) Chloromethane	2.113	50	455	Below Cal		95
5) Bromomethane	2.656	94	225	Below Cal		97
11) Tert butyl alcohol	4.960	59	139	Below Cal	#	89
16) Acetone	3.954	43	651	1.190	ug/l #	46
20) Methylene Chloride	4.710	84	17652	10.001	ug/l	84
29) Tetrahydrofuran	7.344	42	1072	2.315	ug/l #	90
31) Cyclohexane	7.783	56	2805	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10508	5.966	ug/l #	51
38) Carbon Tetrachloride	7.789	117	14414	6.914	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	57117	40.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57117	89.338	ug/l #	10

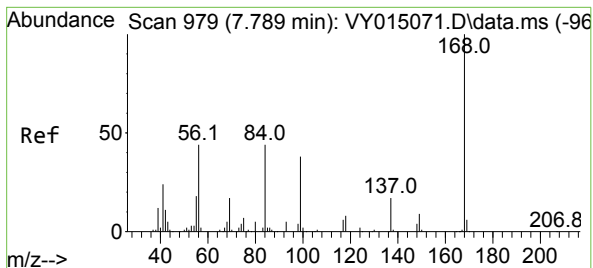
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015116.D

Acq: 15 Aug 2023 20:15

Instrument :

MSVOA_Y

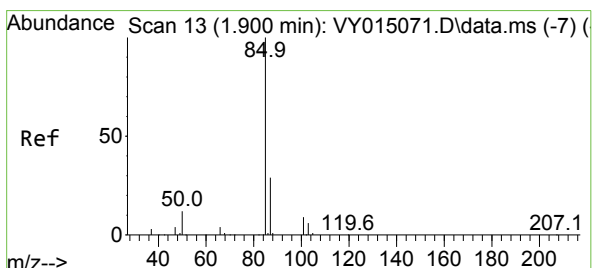
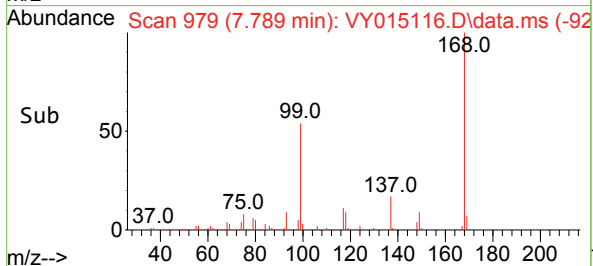
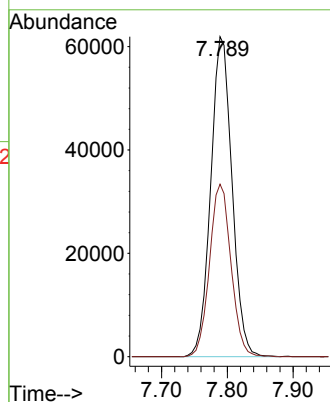
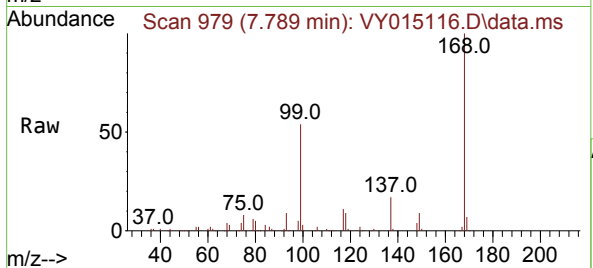
ClientSampleId :

Tgt Ion:168 Resp: 139505

Ion Ratio Lower Upper

168 100

99 53.9 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015116.D

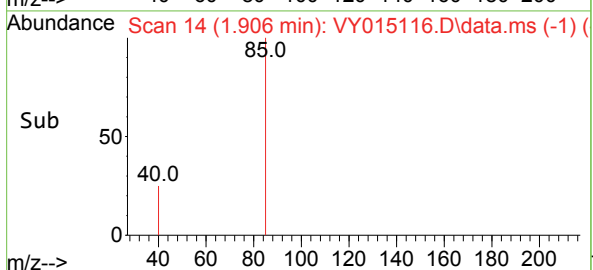
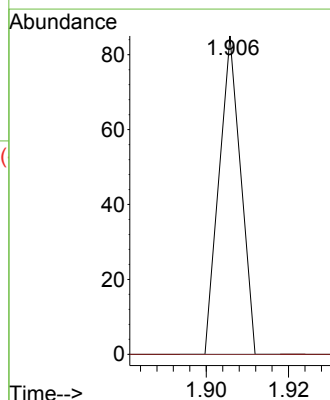
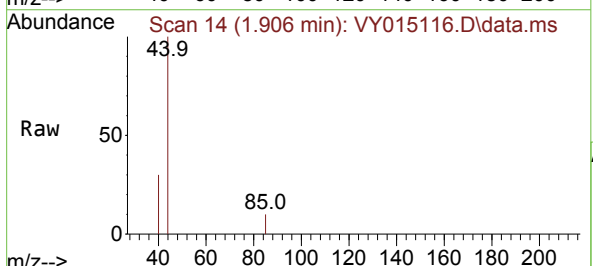
Acq: 15 Aug 2023 20:15

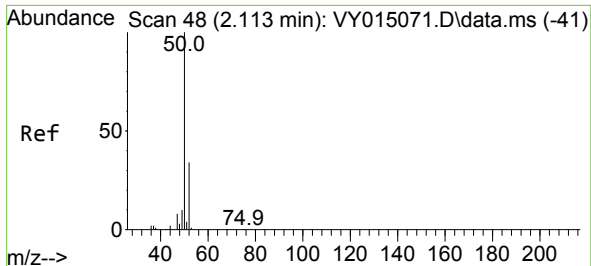
Tgt Ion: 85 Resp: 31

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

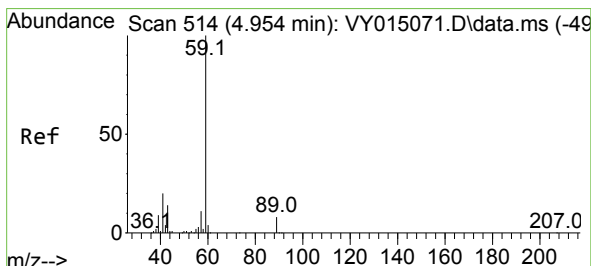
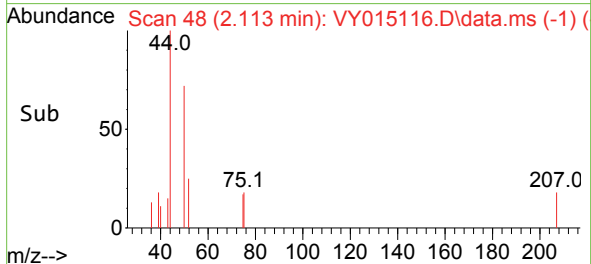
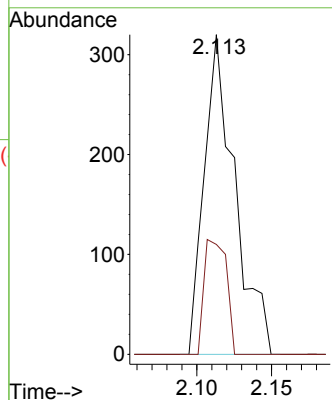
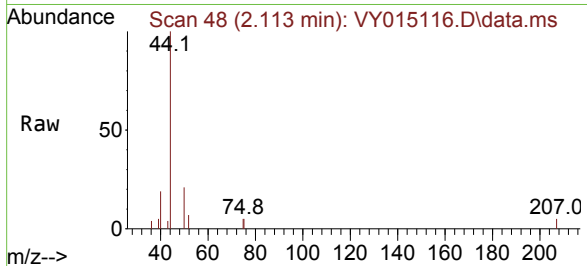




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15

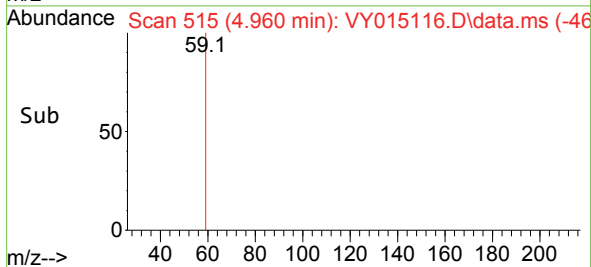
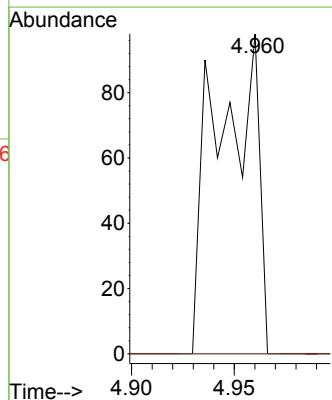
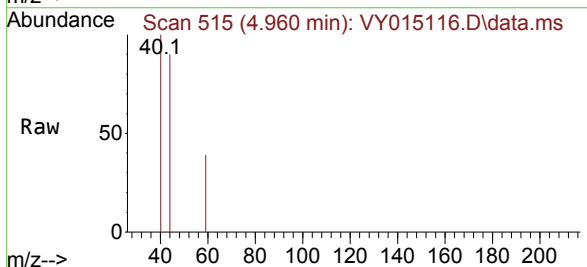
Instrument :
MSVOA_Y
ClientSampleId :

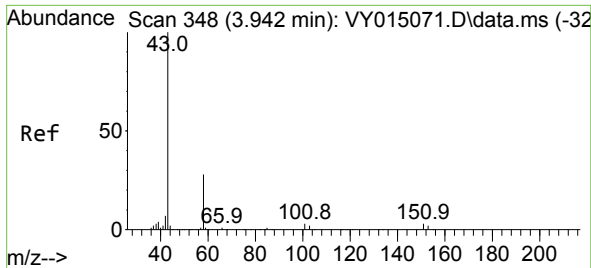
Tgt Ion: 50 Resp: 455
Ion Ratio Lower Upper
50 100
52 34.4 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15

Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.190 ug/l

RT: 3.954 min Scan# 348

Delta R.T. 0.012 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Instrument :

MSVOA_Y

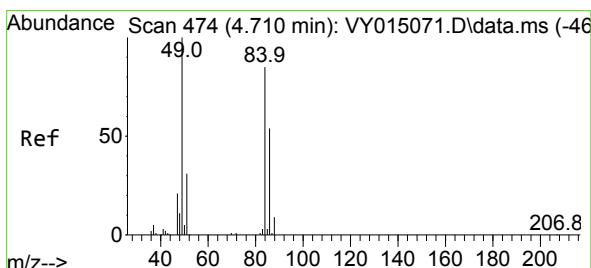
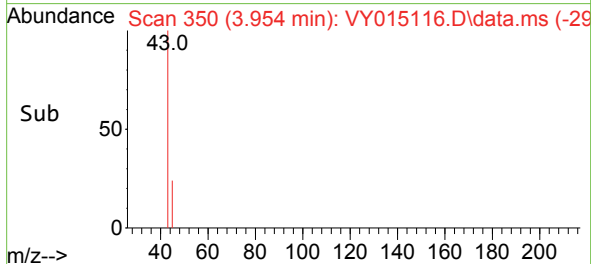
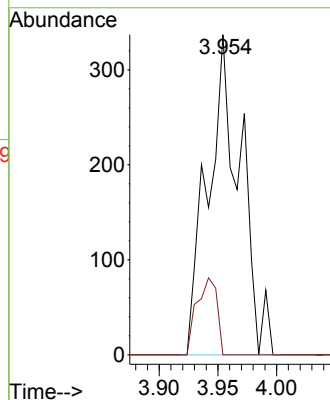
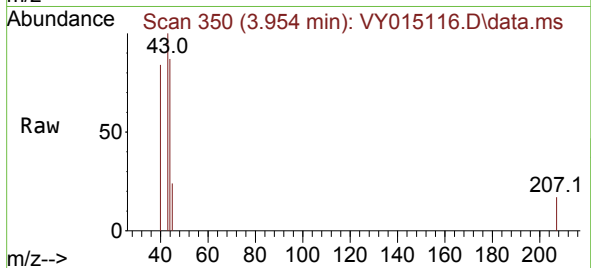
ClientSampleId :

Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 10.001 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Tgt Ion: 84 Resp: 17652

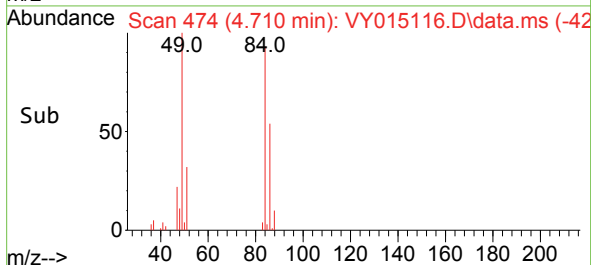
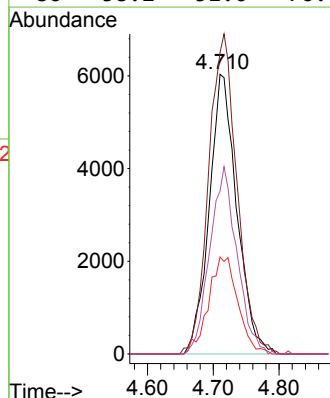
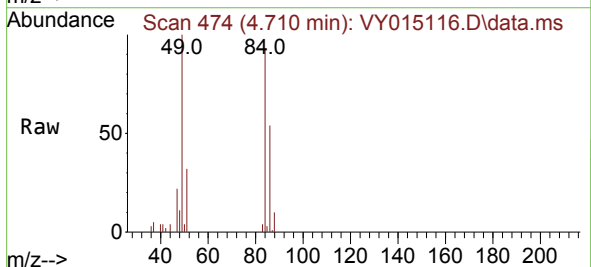
Ion Ratio Lower Upper

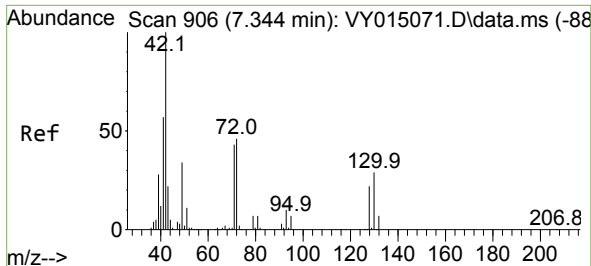
84 100

49 107.8 106.9 160.3

51 34.7 33.2 49.8

86 58.2 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.315 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

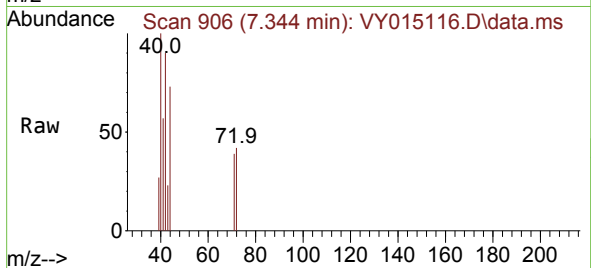
Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

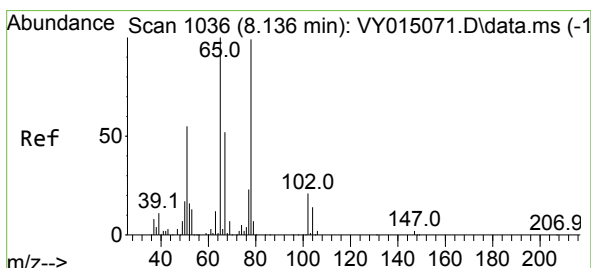
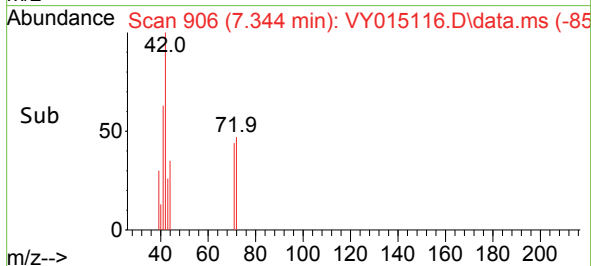
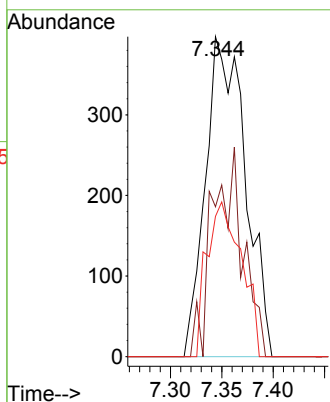
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1072
Ion	Ratio	Lower	Upper
42	100		
72	49.8	32.8	49.2
71	42.1	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 55.144 ug/l

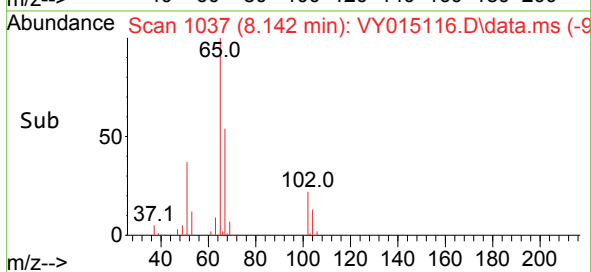
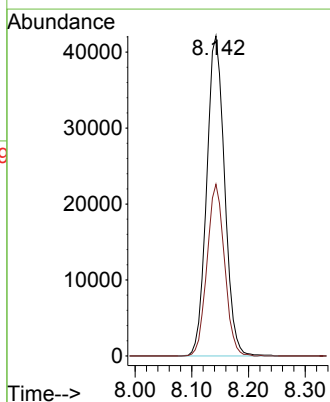
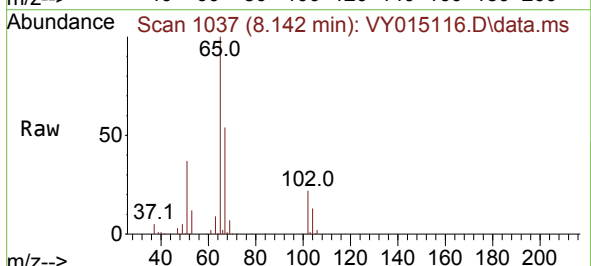
RT: 8.142 min Scan# 1037

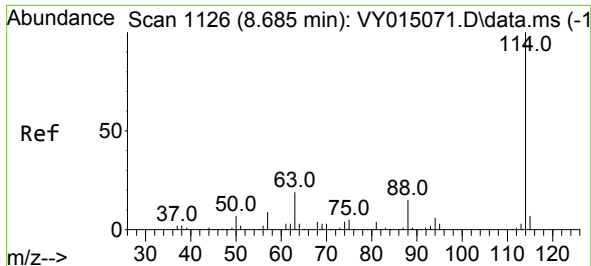
Delta R.T. 0.006 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Tgt Ion:	65	Resp:	92346
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

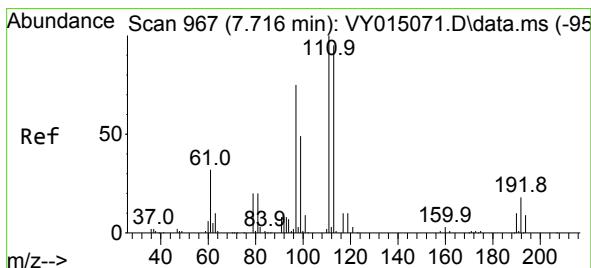
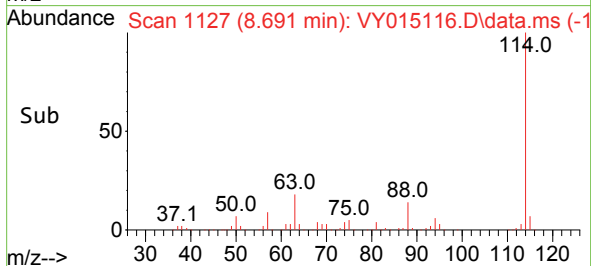
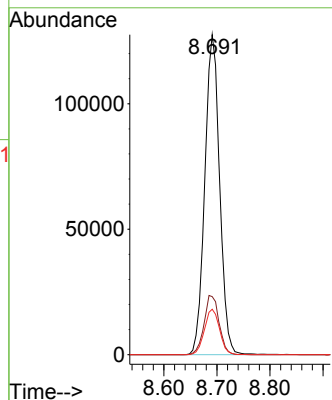
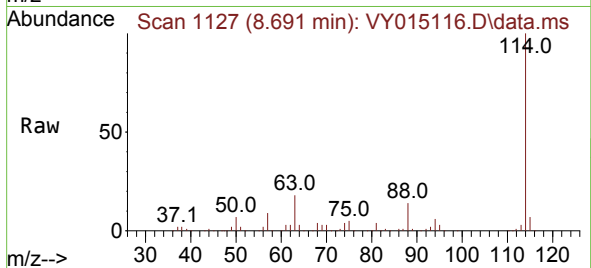
Tgt Ion:114 Resp: 247488

Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.878 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

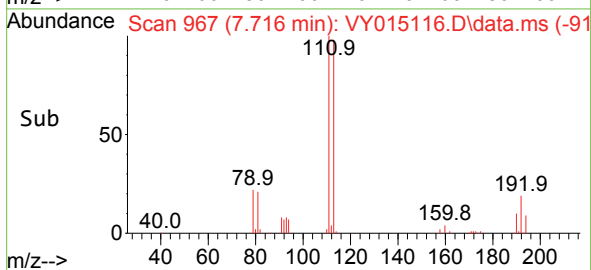
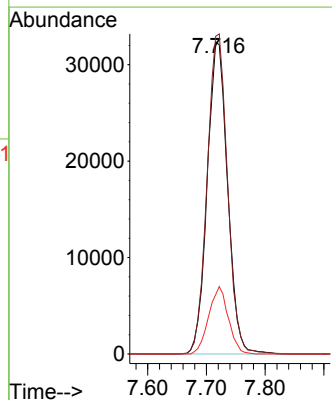
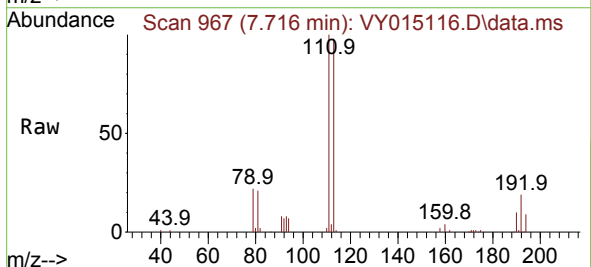
Tgt Ion:113 Resp: 77822

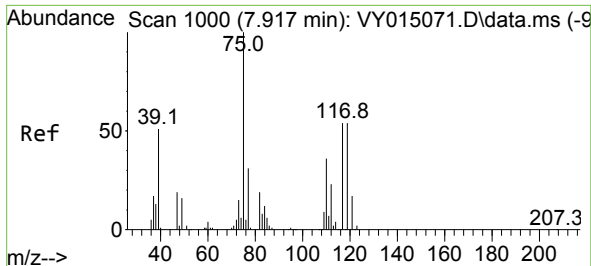
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

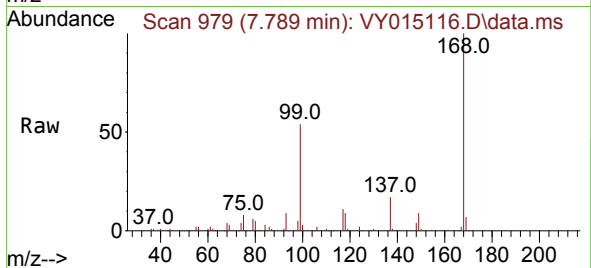
192 20.7 16.9 25.3



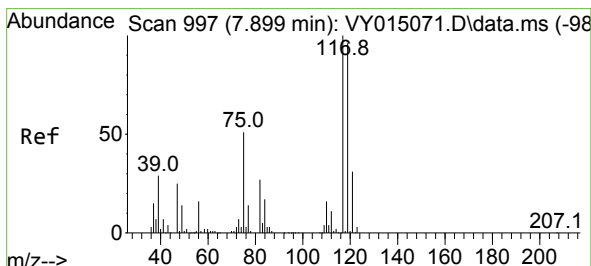
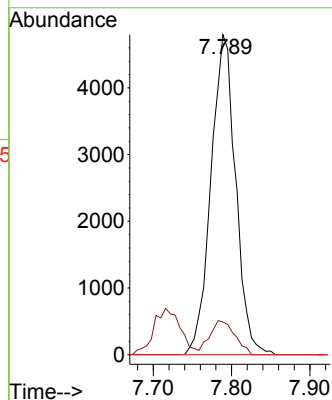
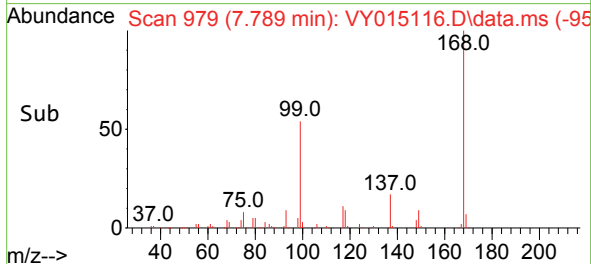


#36
1,1-Dichloropropene
Concen: 5.966 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15

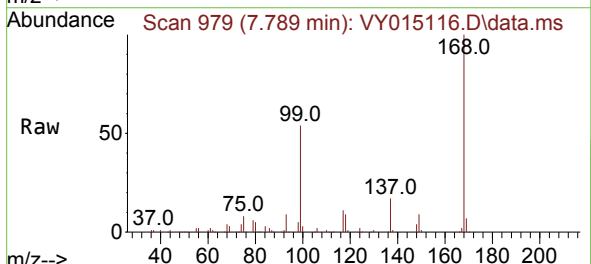
Instrument :
MSVOA_Y
ClientSampleId :



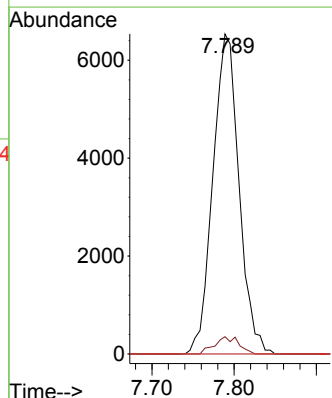
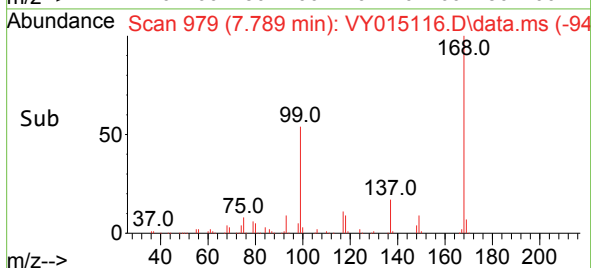
Tgt Ion: 75 Resp: 10508
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

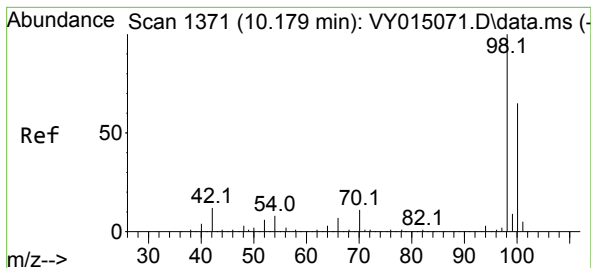


#38
Carbon Tetrachloride
Concen: 6.914 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15



Tgt Ion: 117 Resp: 14414
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#

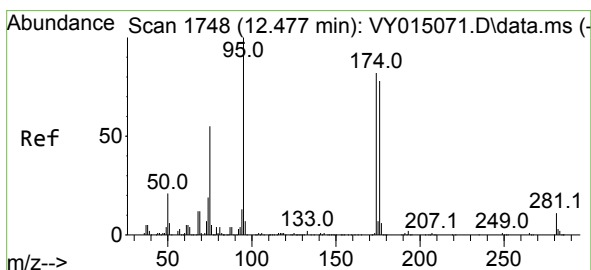
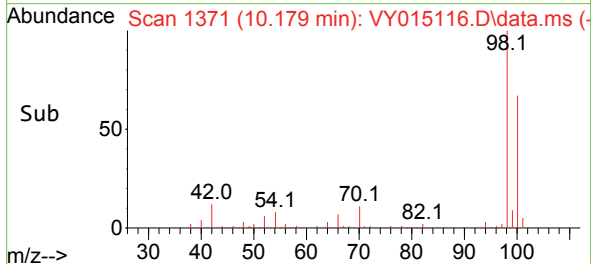
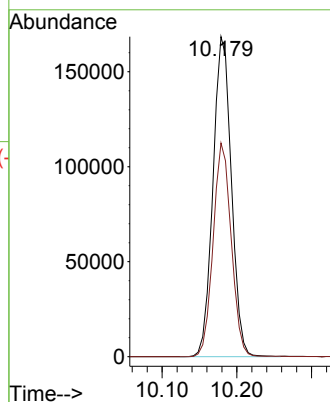
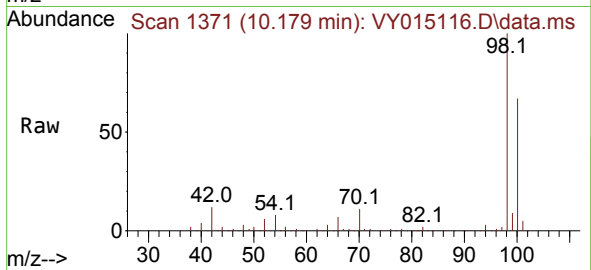




#50
Toluene-d8
Concen: 48.540 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15

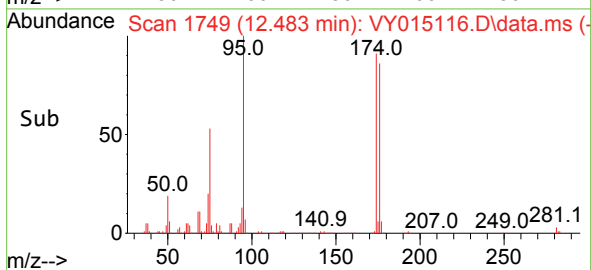
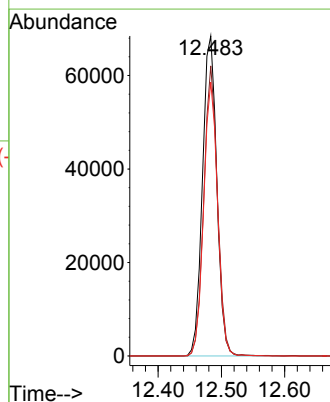
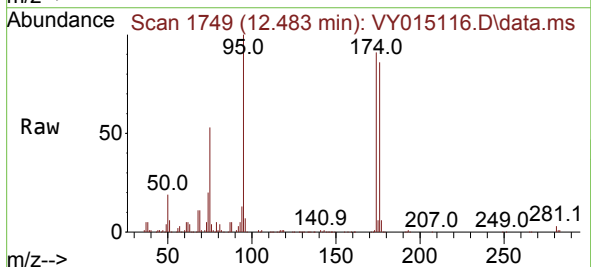
Instrument :
MSVOA_Y
ClientSampleId :

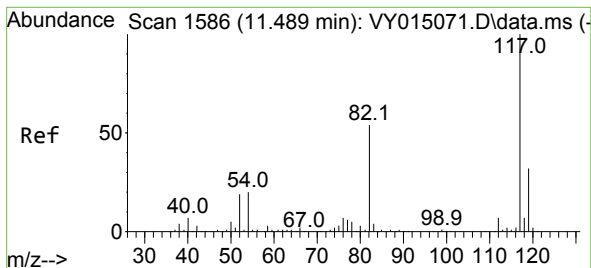
Tgt Ion: 98 Resp: 287695
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.961 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015116.D
Acq: 15 Aug 2023 20:15

Tgt Ion: 95 Resp: 108157
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 83.2 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: VY015116.D

Acq: 15 Aug 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

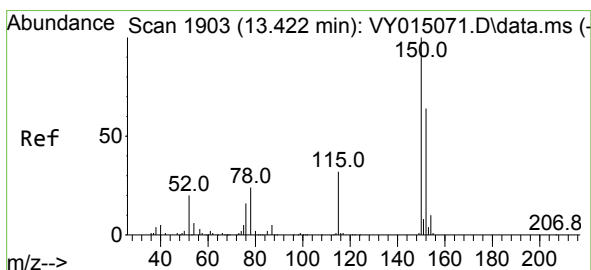
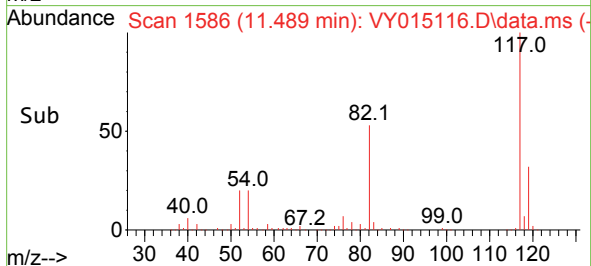
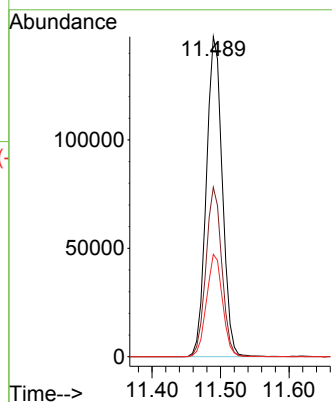
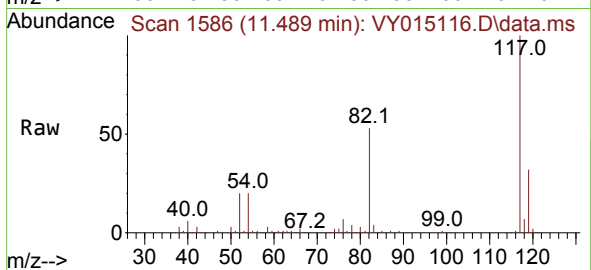
Tgt Ion:117 Resp: 239555

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.0 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: VY015116.D

Acq: 15 Aug 2023 20:15

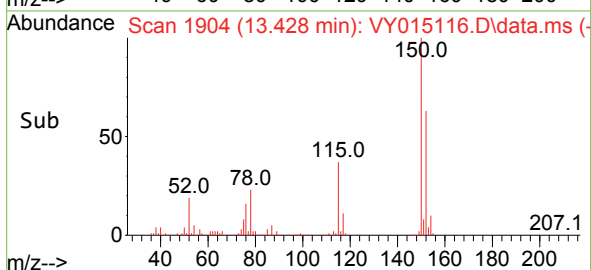
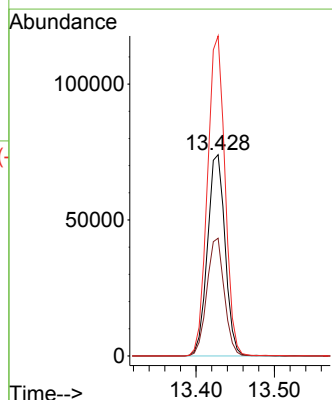
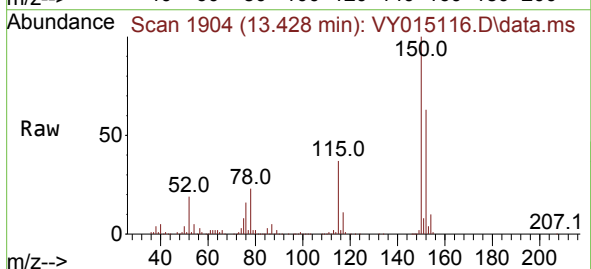
Tgt Ion:152 Resp: 115586

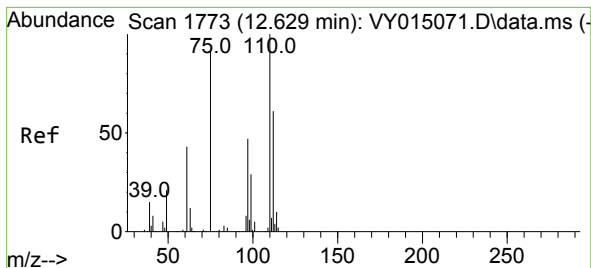
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 158.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.673 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Instrument :

MSVOA_Y

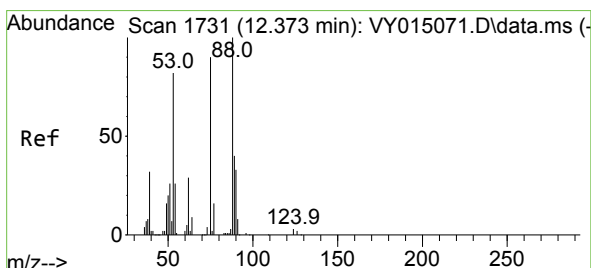
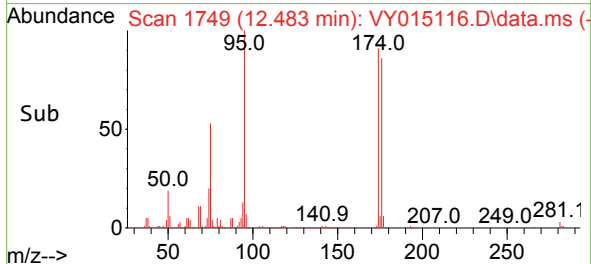
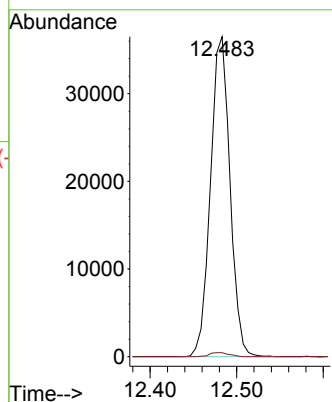
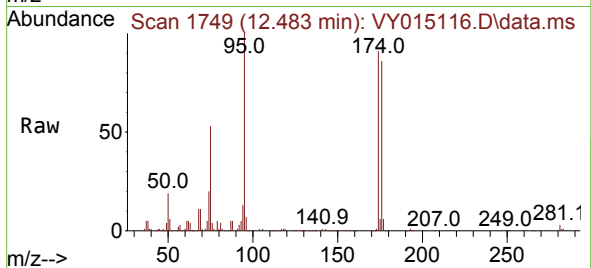
ClientSampleId :

Tgt Ion: 75 Resp: 57117

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.338 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015116.D

Acq: 15 Aug 2023 20:15

Tgt Ion: 75 Resp: 57117

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

