

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013626.D
 Acq On : 05 May 2023 15:31
 Operator : KP/MD
 Sample : 02622-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251675

Quant Time: May 08 00:24:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

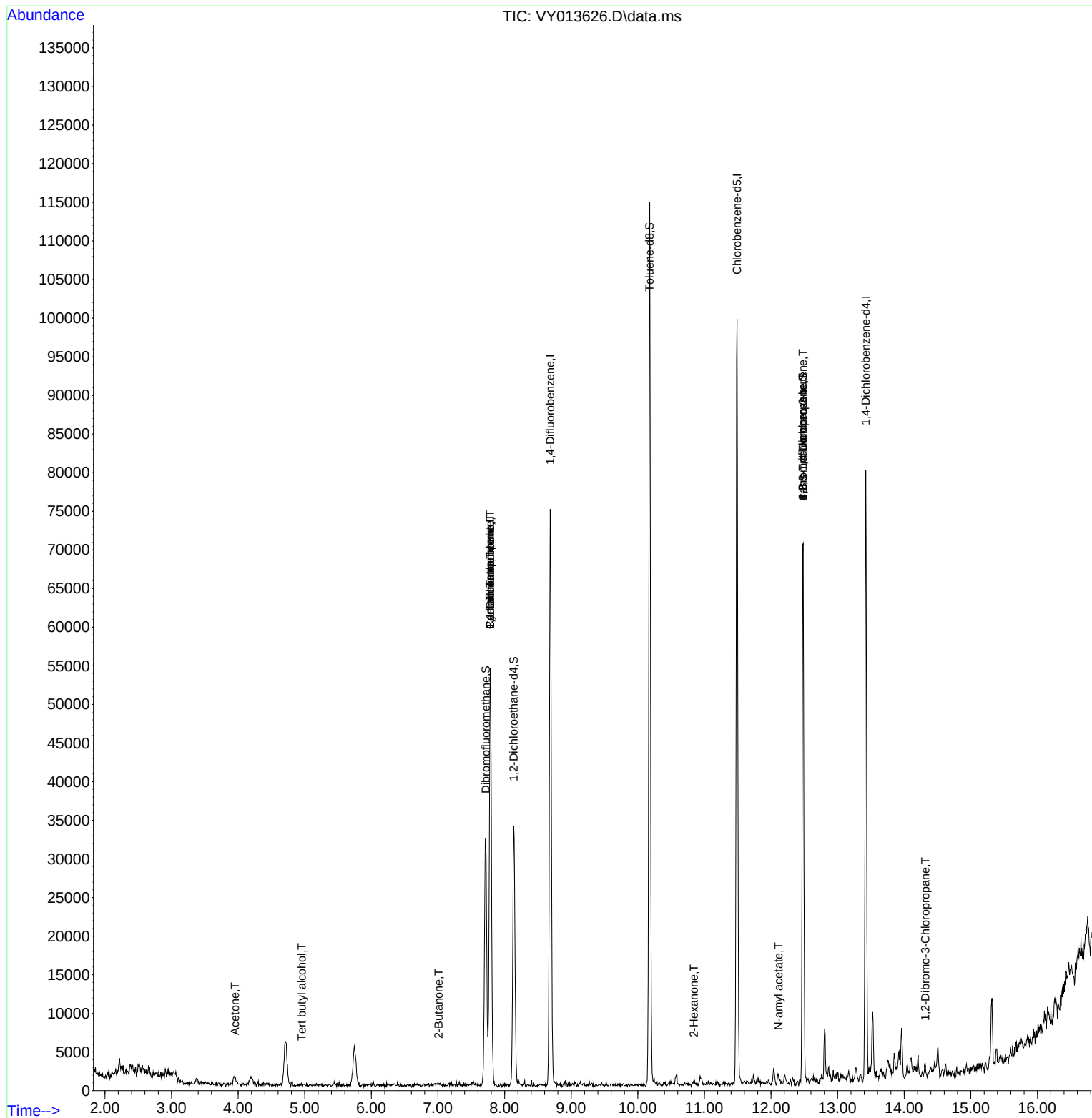
Internal Standards						
1) Pentafluorobenzene	7.783	168	41445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	62632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	54436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	20588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	28490	62.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.420%			
35) Dibromofluoromethane	7.716	113	22269	56.531	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.060%			
50) Toluene-d8	10.179	98	73370	52.356	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.477	95	19175	40.588	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	20	1.040	ug/l #	89
16) Acetone	3.954	43	1708	9.546	ug/l	100
20) Methylene Chloride	4.698	84	4027	Below Cal	#	94
25) 2-Butanone	7.009	43	240	1.058	ug/l #	47
31) Cyclohexane	7.783	56	1105	1.358	ug/l #	59
36) 1,1-Dichloropropene	7.783	75	2996	4.583	ug/l #	47
38) Carbon Tetrachloride	7.783	117	4095	5.976	ug/l #	14
59) 2-Hexanone	10.843	43	552	1.641	ug/l	65
74) N-amyl acetate	12.111	43	1233	2.225	ug/l #	45
76) 1,2,3-Trichloropropane	12.477	75	10470	37.709	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	10470	77.135	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.318	75	76	1.131	ug/l #	1

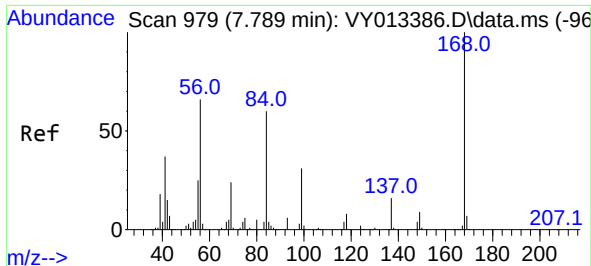
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

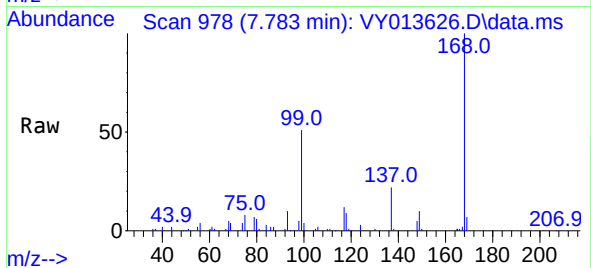
Quant Time: May 08 00:24:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration



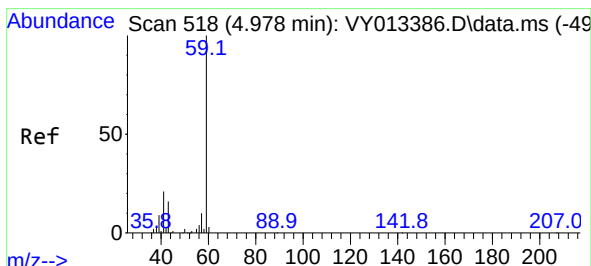
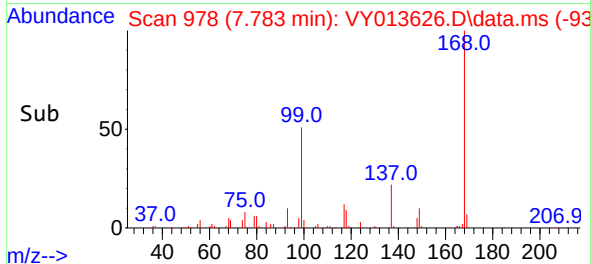
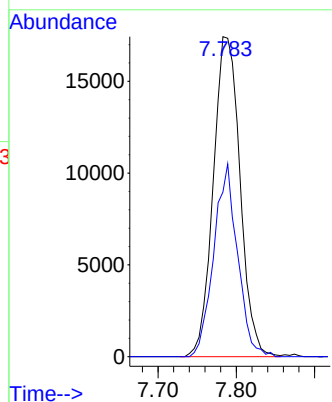


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

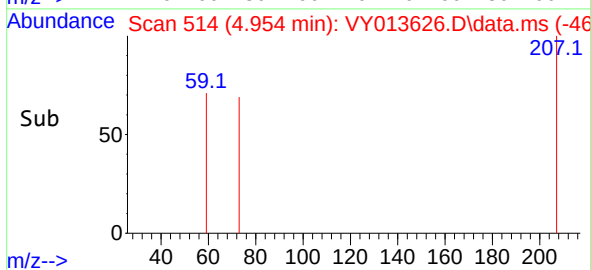
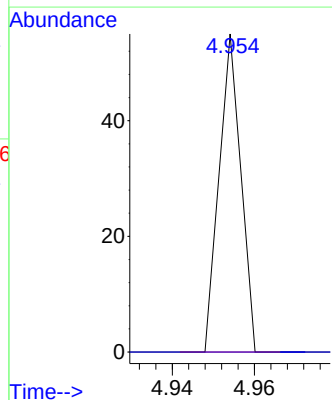
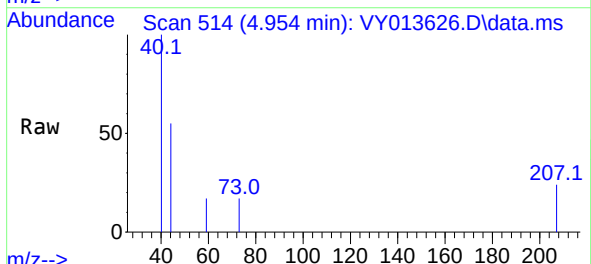


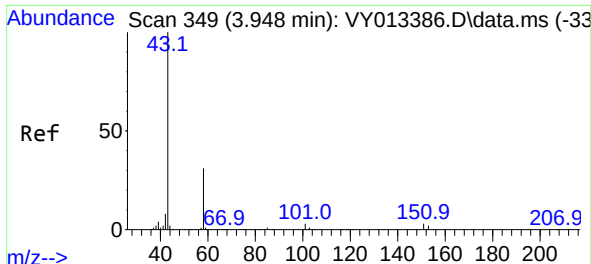
Tgt Ion:168 Resp: 41445
Ion Ratio Lower Upper
168 100
99 51.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.040 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

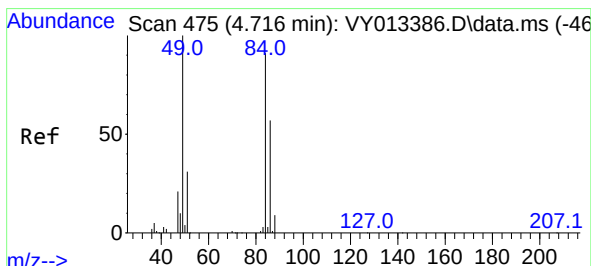
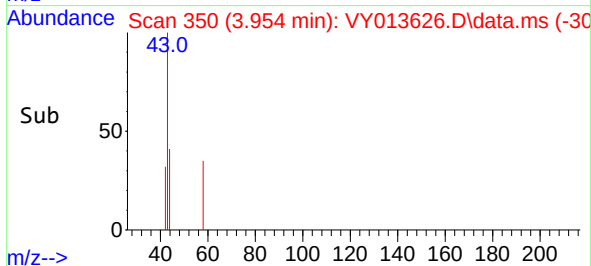
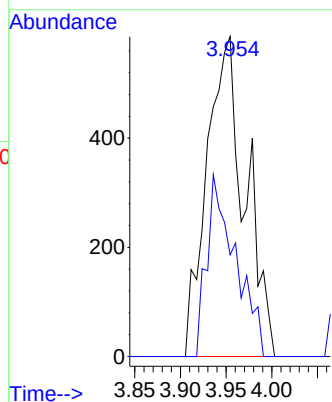
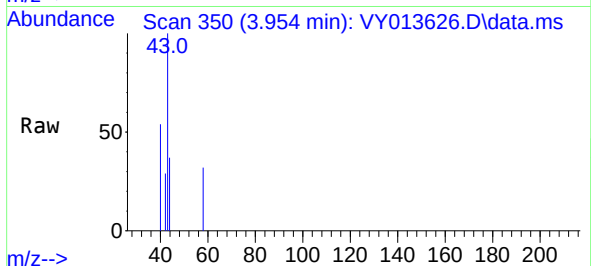




#16
Acetone
Concen: 9.546 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

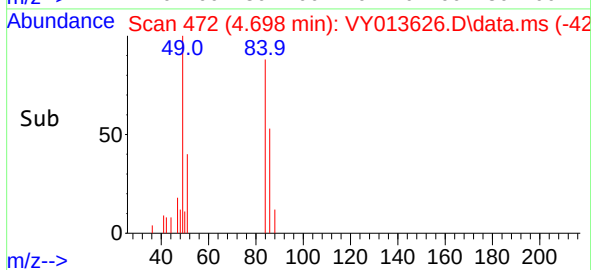
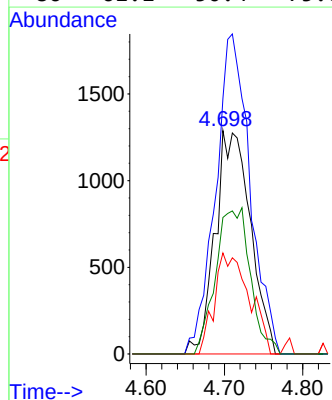
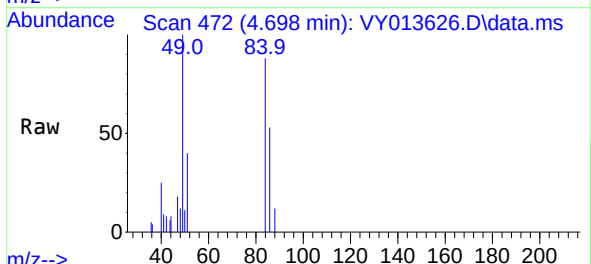
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

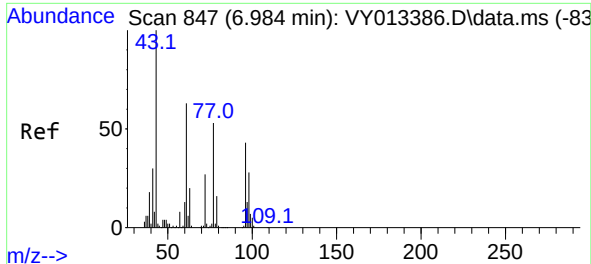
Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 31.7 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 84 Resp: 4027
Ion Ratio Lower Upper
84 100
49 114.3 88.0 132.0
51 45.2 27.4 41.0#
86 61.1 50.4 75.6

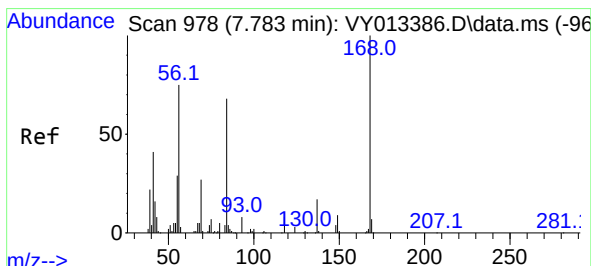
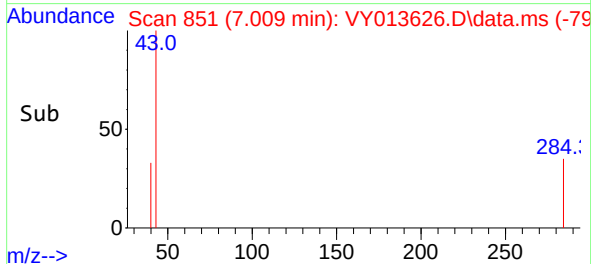
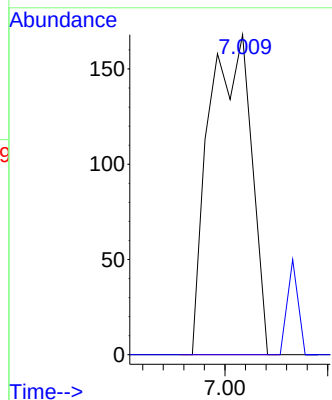
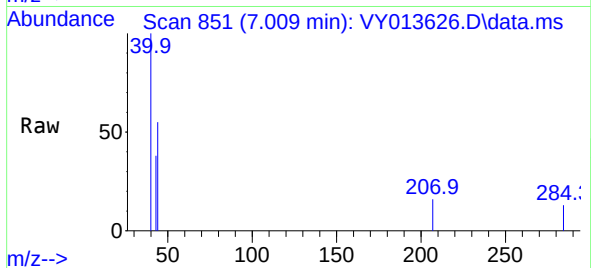




#25
2-Butanone
Concen: 1.058 ug/l
RT: 7.009 min Scan# 847
Delta R.T. 0.025 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

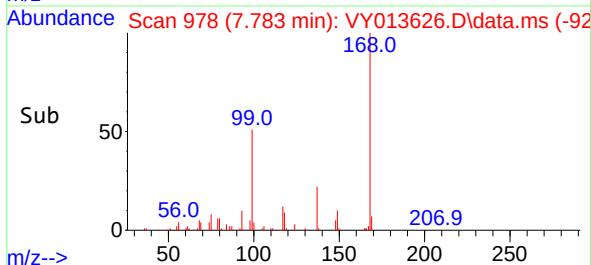
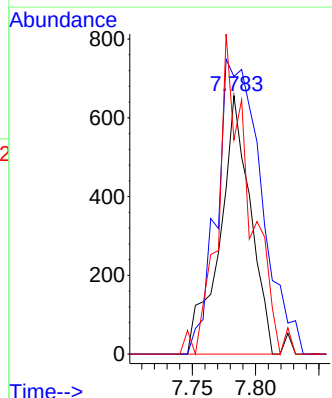
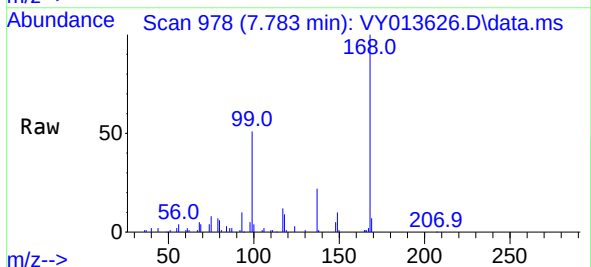
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

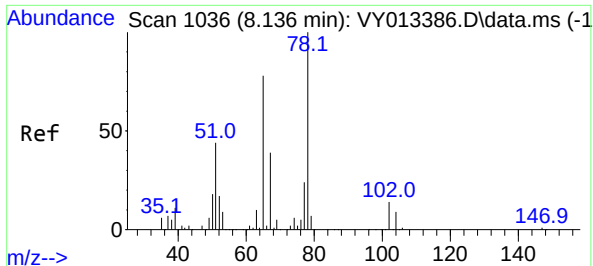
Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 56 Resp: 1105
Ion Ratio Lower Upper
56 100
69 107.5 29.2 43.8#
84 82.9 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 62.708 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013626.D

Acq: 05 May 2023 15:31

Instrument :

MSVOA_Y

ClientSampleId :

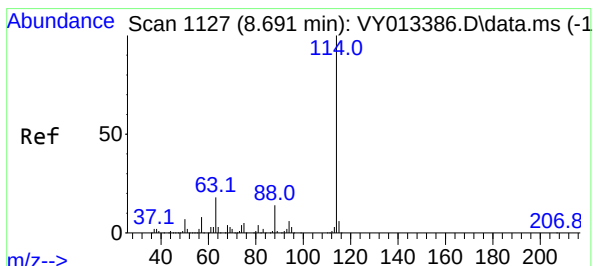
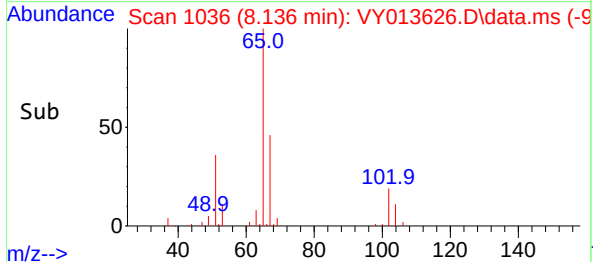
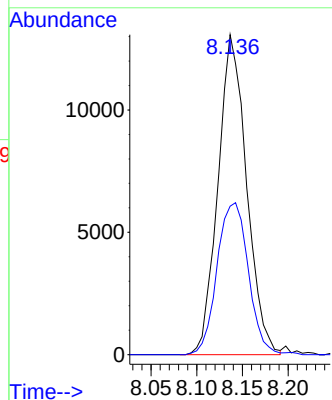
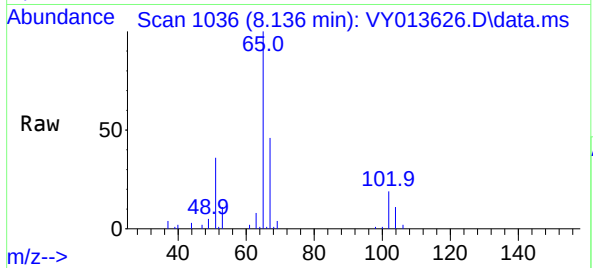
RBR-251675

Tgt Ion: 65 Resp: 28490

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013626.D

Acq: 05 May 2023 15:31

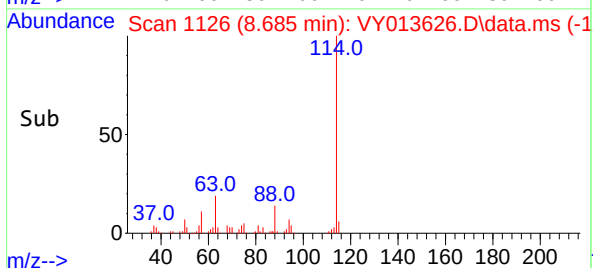
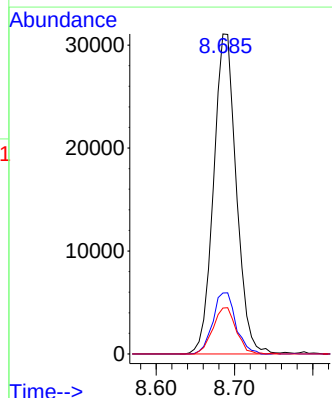
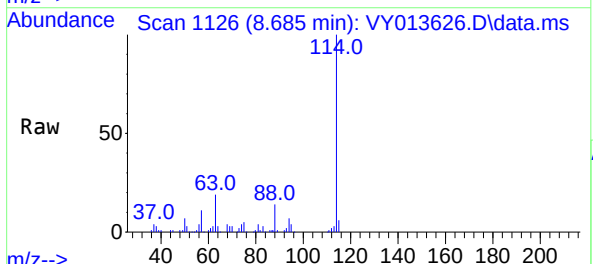
Tgt Ion: 114 Resp: 62632

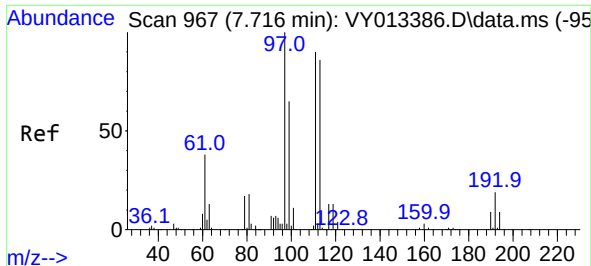
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.6

88 14.3 0.0 28.8

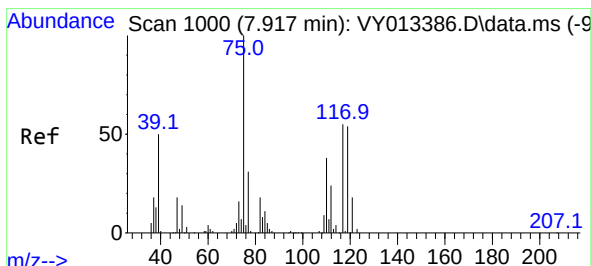
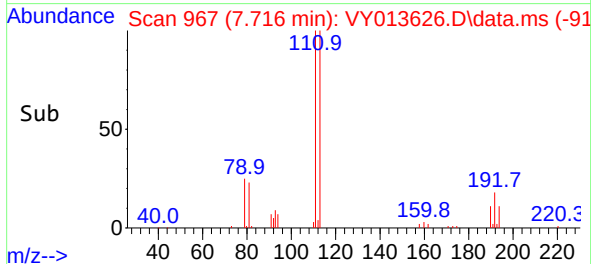
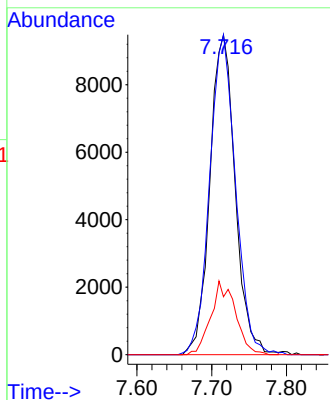
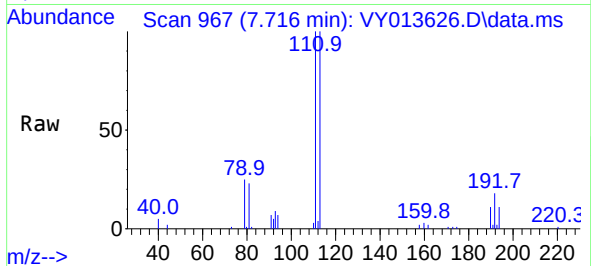




#35
Dibromofluoromethane
Concen: 56.531 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

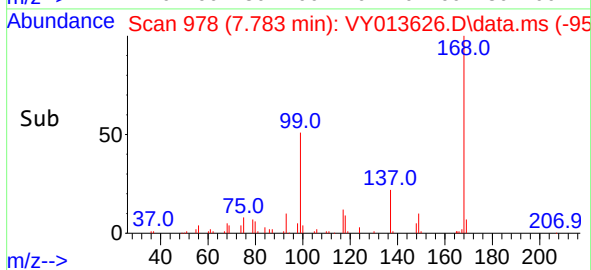
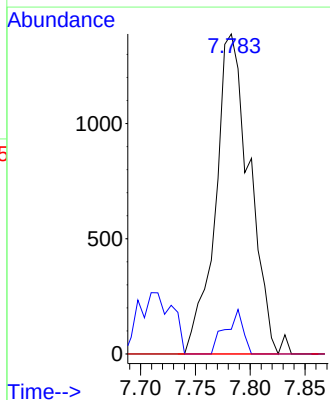
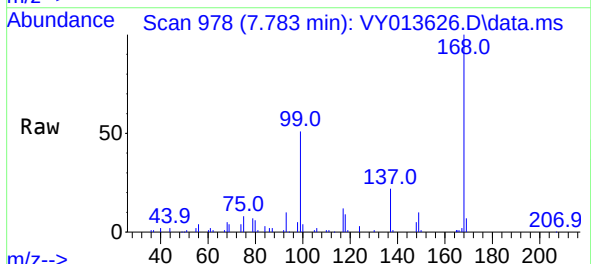
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

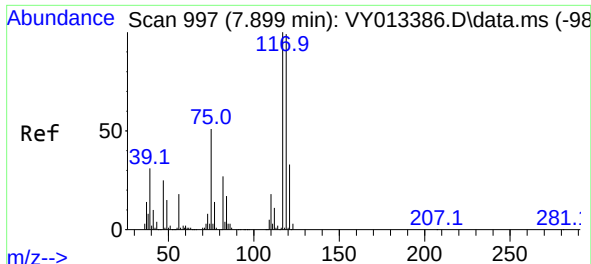
Tgt Ion:113 Resp: 22269
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 22.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.583 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

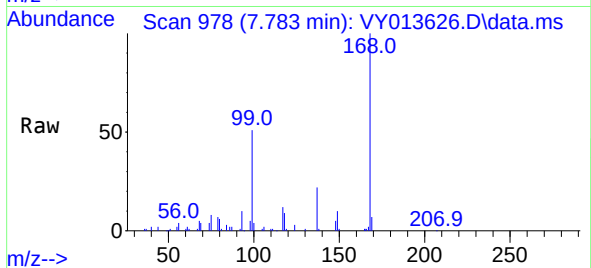
Tgt Ion: 75 Resp: 2996
Ion Ratio Lower Upper
75 100
110 7.1 18.7 56.1#
77 0.0 24.6 37.0#



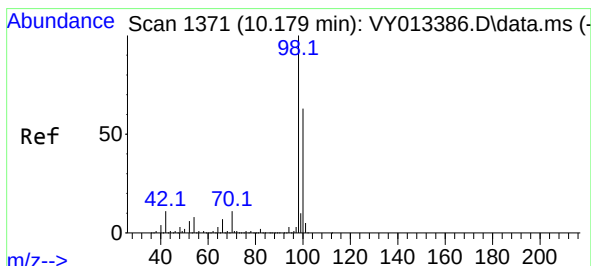
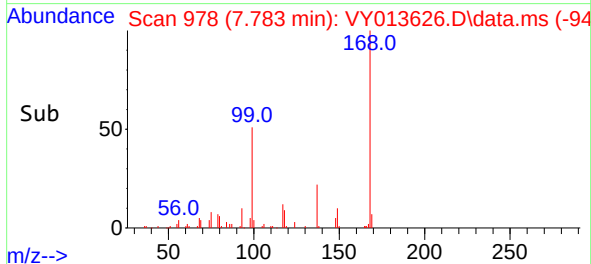
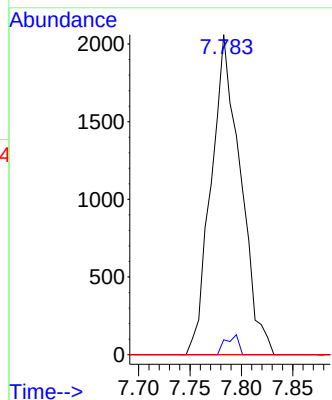


#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

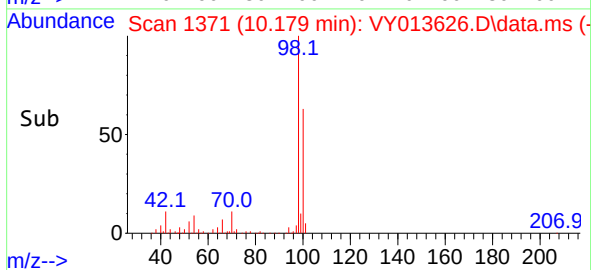
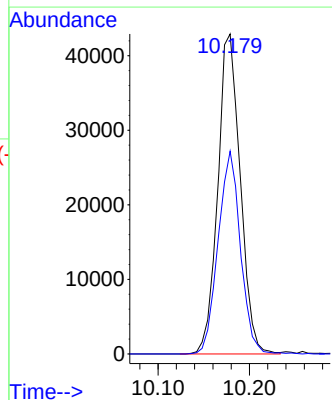
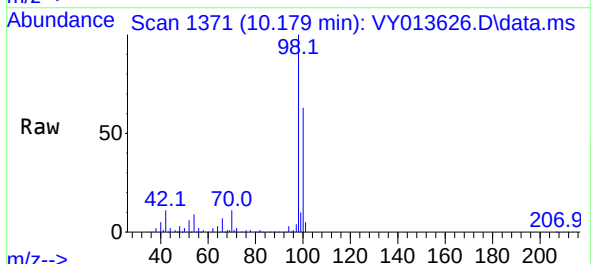


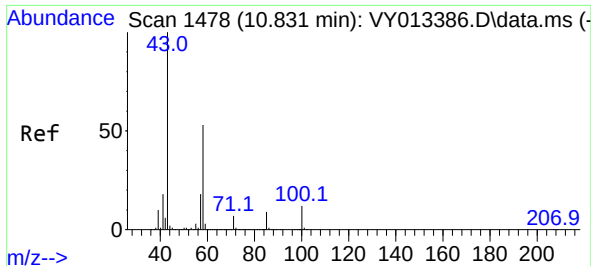
Tgt Ion:117 Resp: 4095
Ion Ratio Lower Upper
117 100
119 4.7 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.356 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 98 Resp: 73370
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

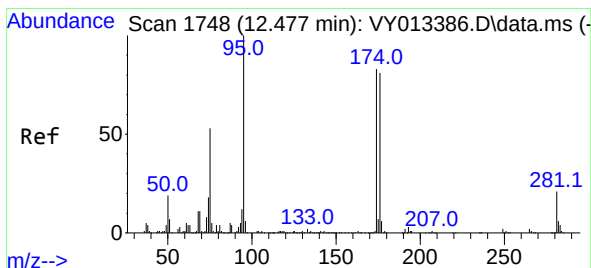
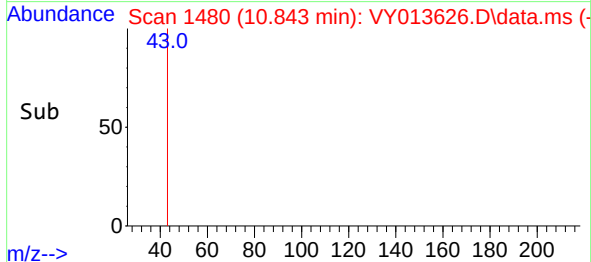
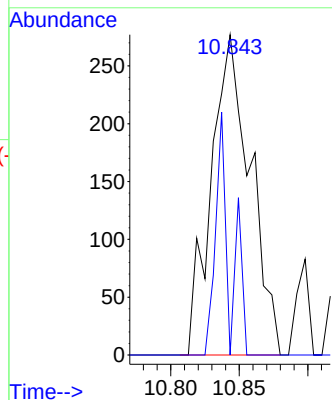
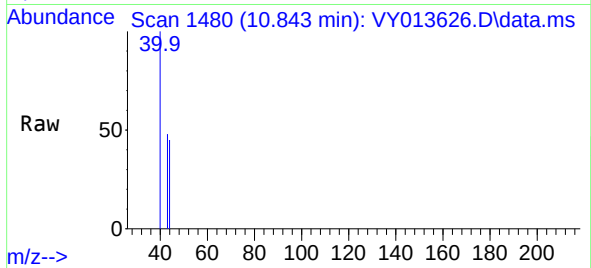




#59
2-Hexanone
Concen: 1.641 ug/l
RT: 10.843 min Scan# 1478
Delta R.T. 0.012 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

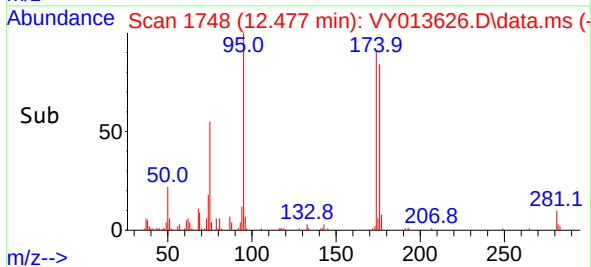
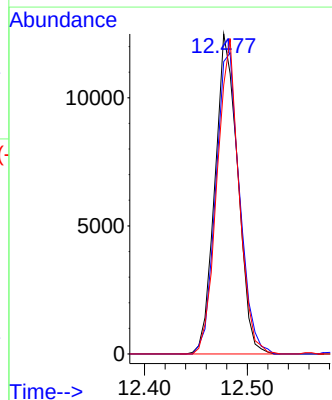
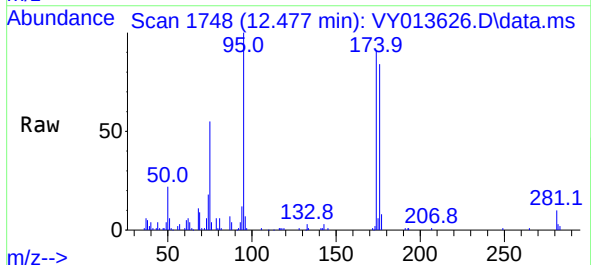
Instrument :
MSVOA_Y
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RBR-251675

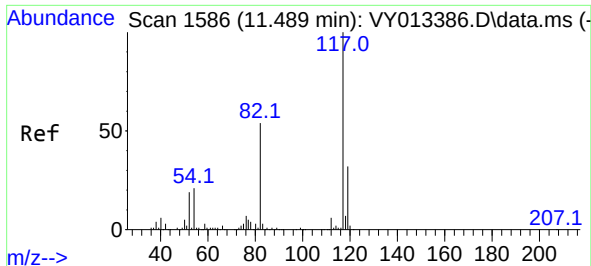
Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
58 27.5 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 40.588 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 95 Resp: 19175
Ion Ratio Lower Upper
95 100
174 99.0 0.0 182.0
176 94.8 0.0 175.4

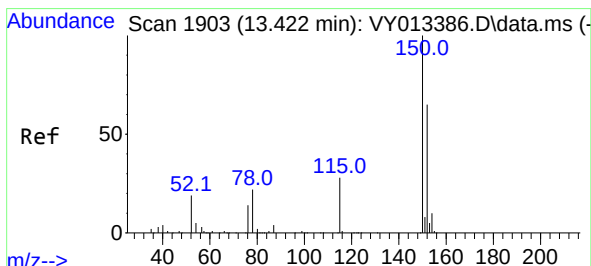
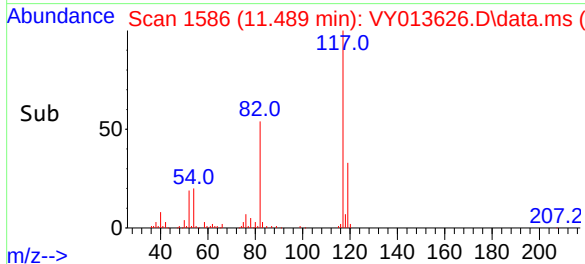
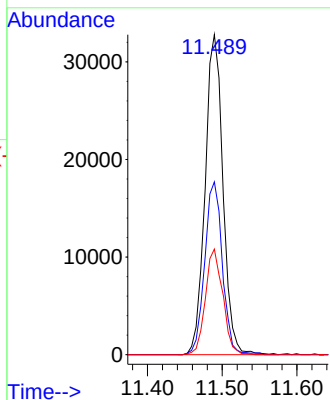
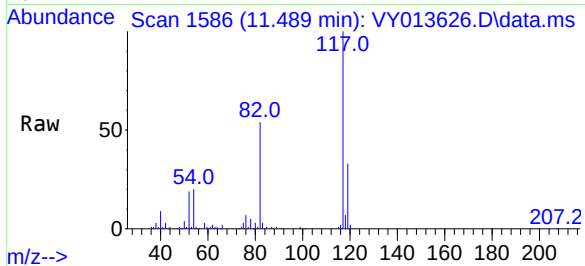




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

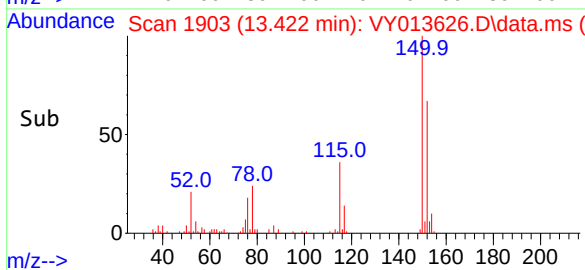
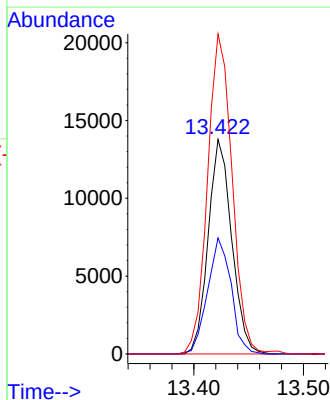
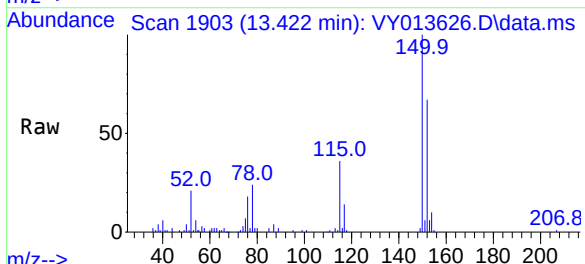
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

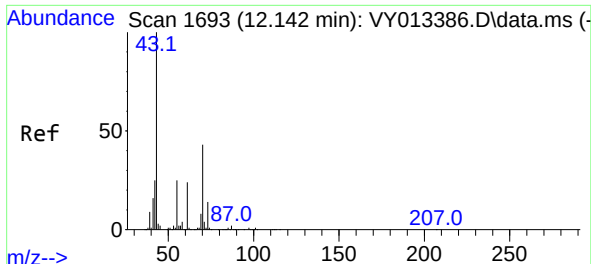
Tgt Ion:	117	Resp:	54436
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.0	64.6
119	33.0	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

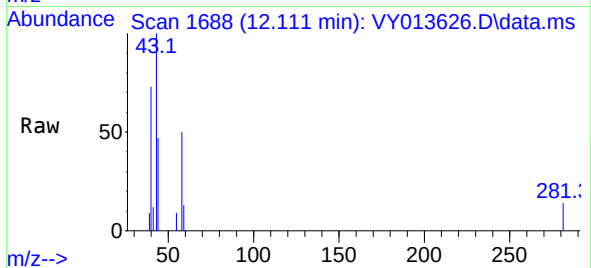
Tgt Ion:	152	Resp:	20588
Ion Ratio	Lower	Upper	
152	100		
115	53.9	28.1	84.2
150	155.9	0.0	352.0





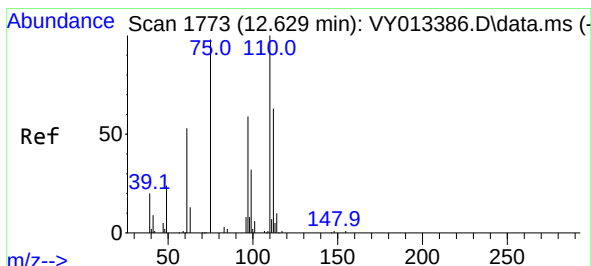
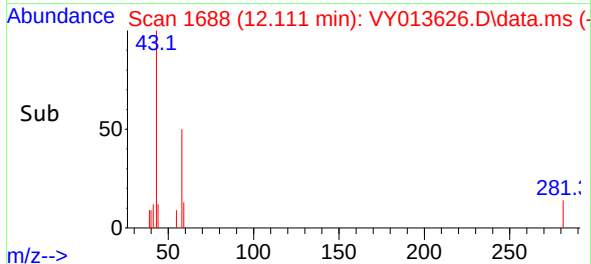
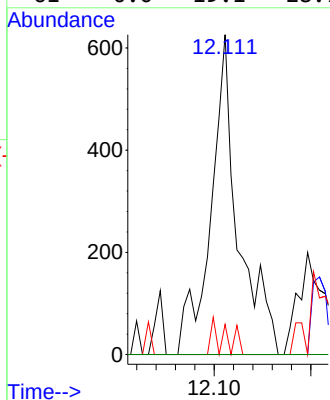
#74
N-amy1 acetate
Concen: 2.225 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675



Tgt Ion: 43 Resp: 1233

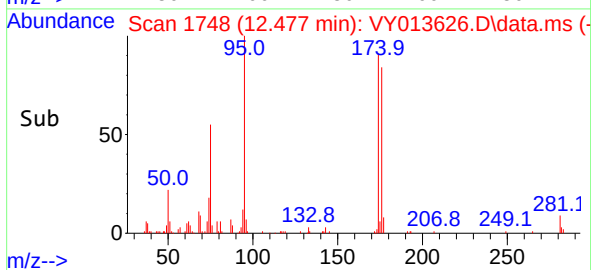
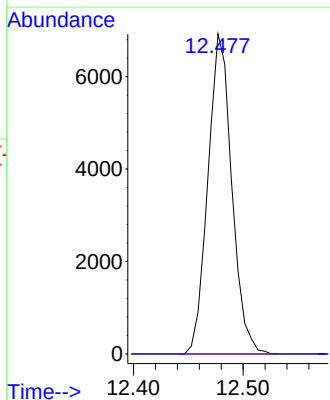
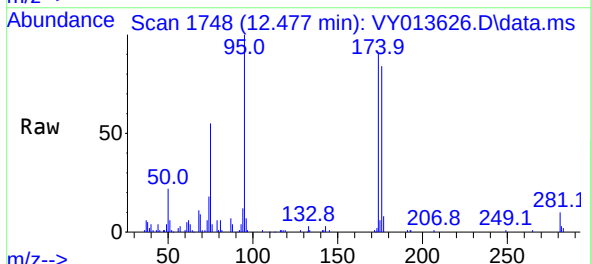
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.0	49.4#
55	2.2	19.8	29.6#
61	0.0	19.1	28.7#

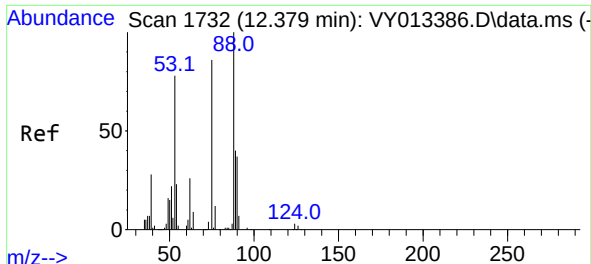


#76
1,2,3-Trichloropropane
Concen: 37.709 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 75 Resp: 10470

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

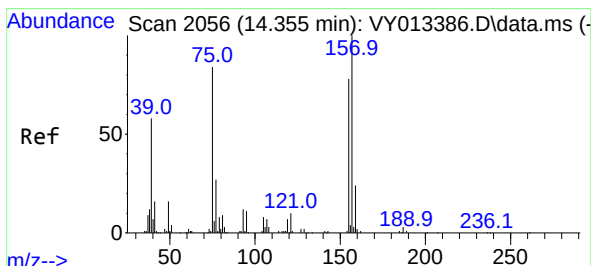
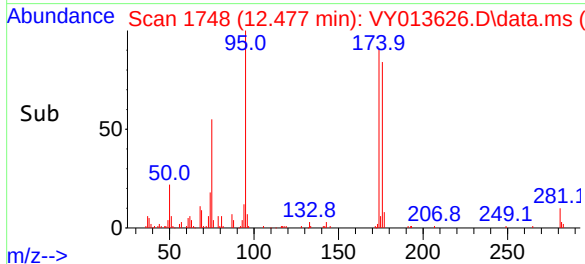
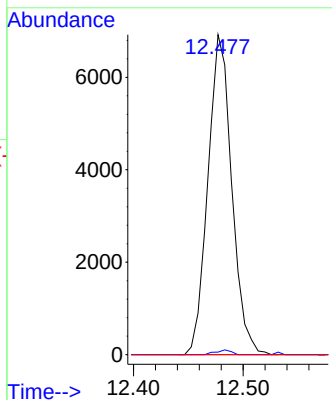
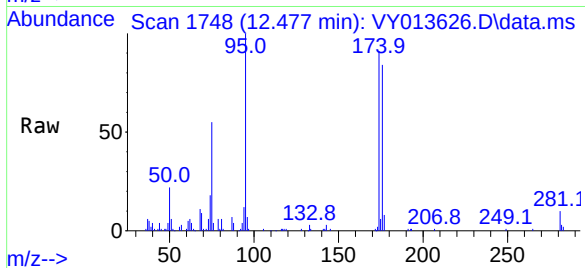




#81
trans-1,4-Dichloro-2-butene
Concen: 77.135 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

Tgt Ion: 75 Resp: 10470
Ion Ratio Lower Upper
75 100
53 1.0 73.2 109.8#
89 0.0 38.0 57.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.131 ug/l
RT: 14.318 min Scan# 2050
Delta R.T. -0.037 min
Lab File: VY013626.D
Acq: 05 May 2023 15:31

Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.0 57.6 172.7#

