

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009297.D
 Acq On : 23 Jun 2022 16:20
 Operator : KP/MD
 Sample : N3462-02
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8-7-9-20220622

Quant Time: Jun 24 09:23:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

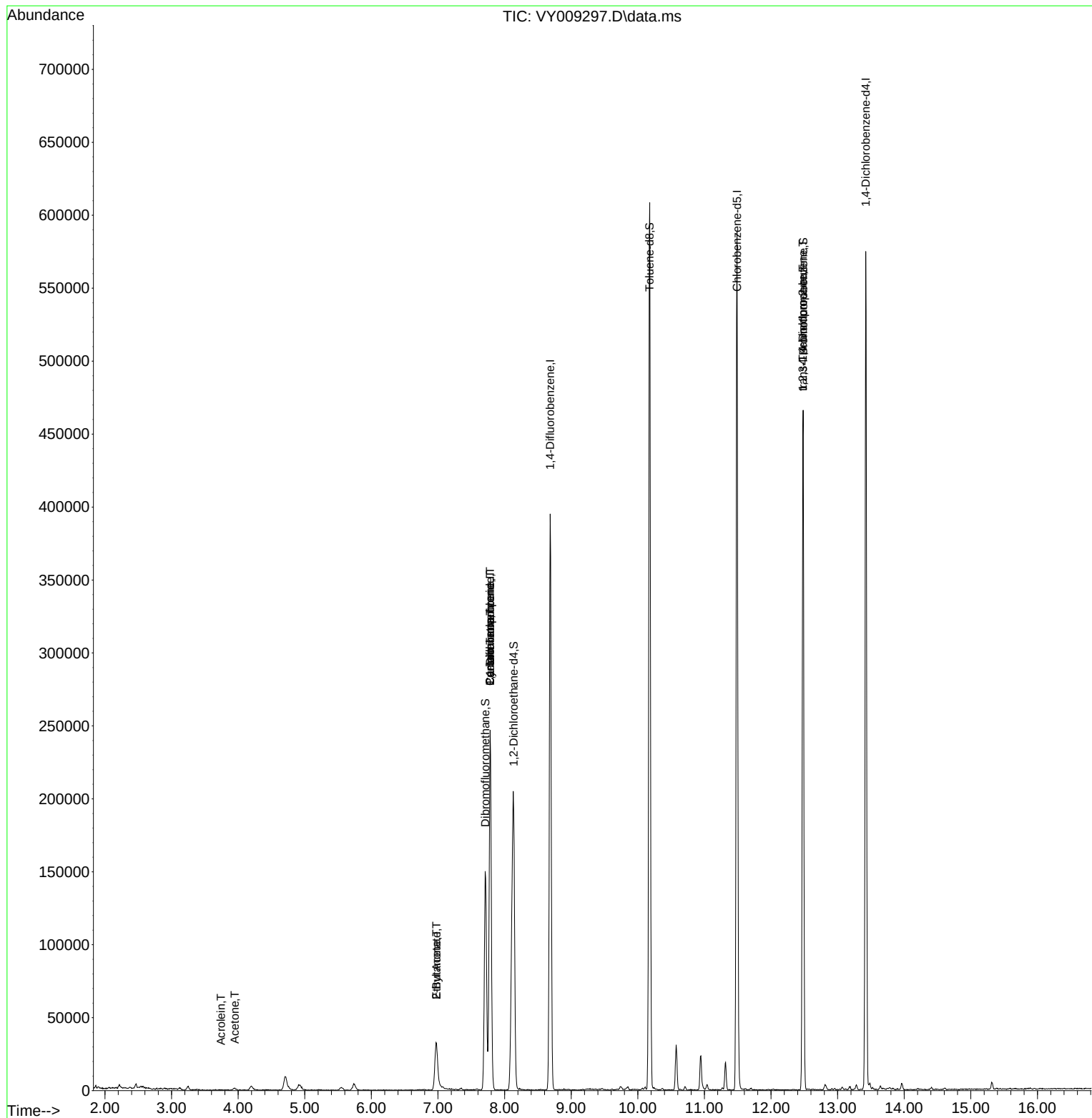
Internal Standards						
1) Pentafluorobenzene	7.783	168	193286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	334451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	316673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	117704	55.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.710	113	103283	47.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.360%			
50) Toluene-d8	10.179	98	399813	48.051	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.100%			
62) 4-Bromofluorobenzene	12.483	95	138270	47.292	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.580%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	4011	Below Cal	#	77
13) Acrolein	3.741	56	31	30.359	ug/l #	14
16) Acetone	3.948	43	2230	4.252	ug/l	97
18) Methyl Acetate	4.509	43	30	Below Cal	#	56
20) Methylene Chloride	4.704	84	6703	Below Cal	#	88
25) 2-Butanone	6.978	43	2398	2.831	ug/l #	90
31) Cyclohexane	7.783	56	3728	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14682	4.454	ug/l #	51
37) Ethyl Acetate	6.978	43	2398	1.203	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17830	5.202	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	71776	41.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	71776	88.928	ug/l #	7

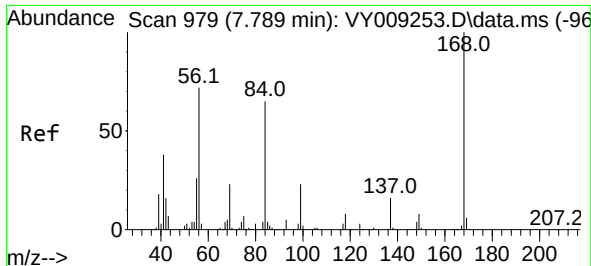
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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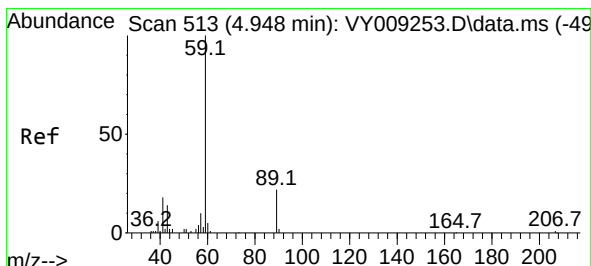
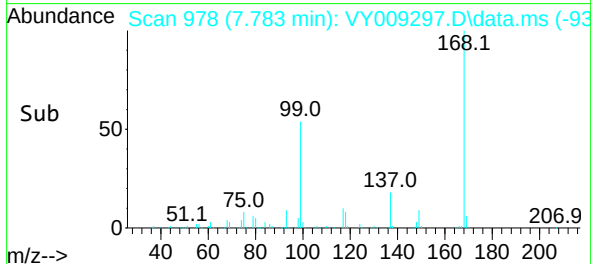
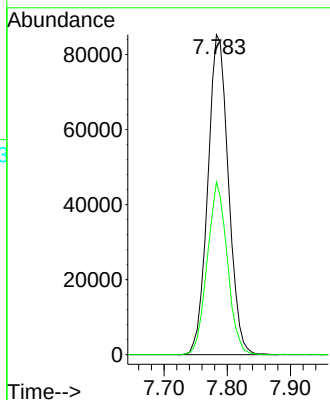
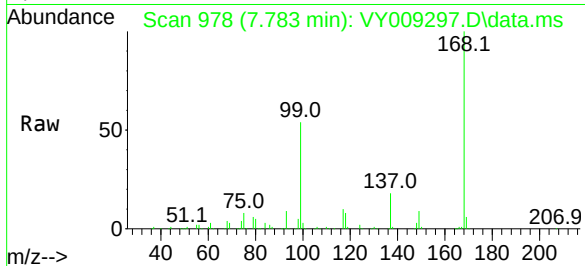




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

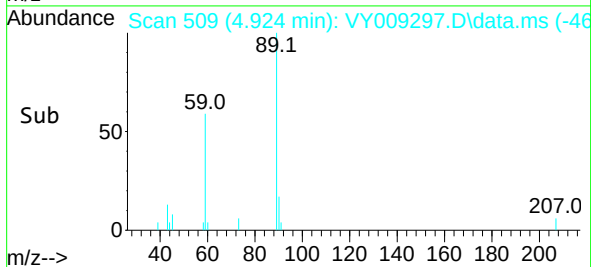
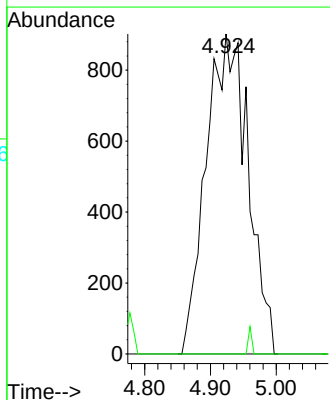
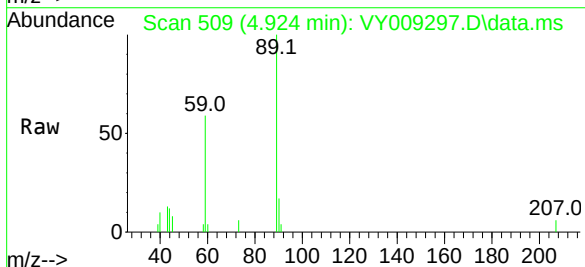
Instrument :
MSVOA_Y
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SB-8-7-9-20220622

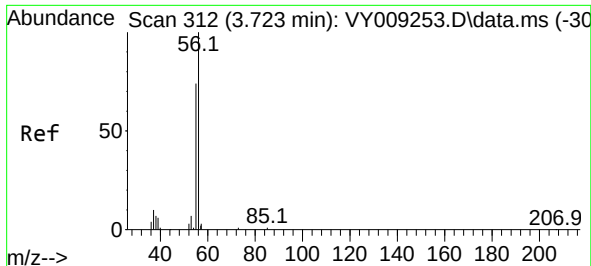
Tgt Ion:168 Resp: 193286
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 59 Resp: 4011
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

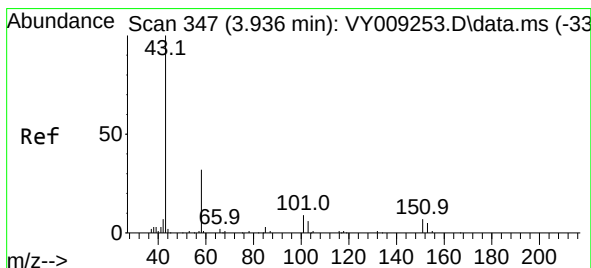
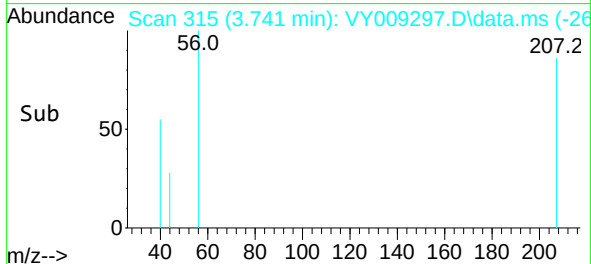
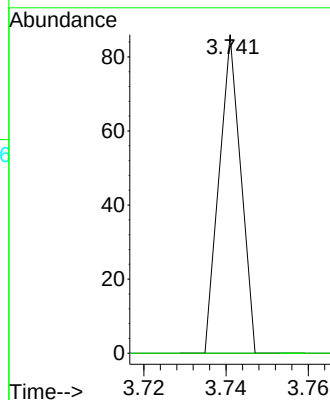
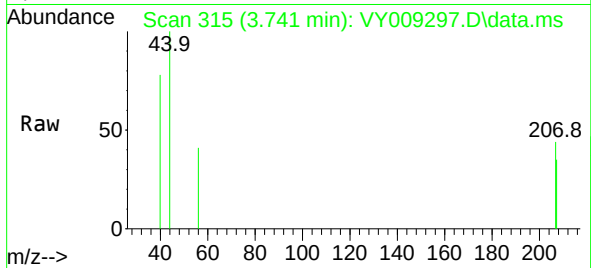




#13
Acrolein
Concen: 30.359 ug/l
RT: 3.741 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

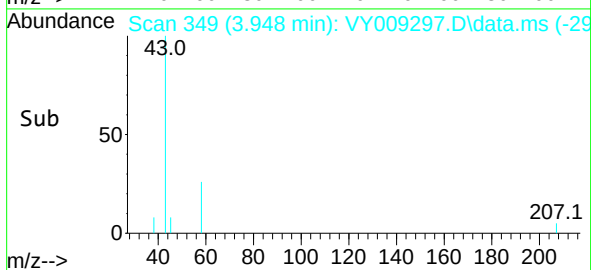
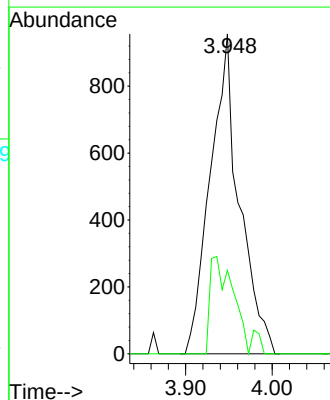
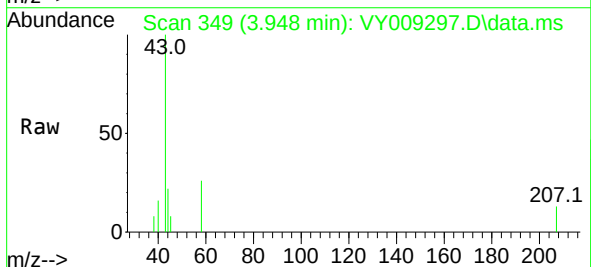
Instrument :
MSVOA_Y
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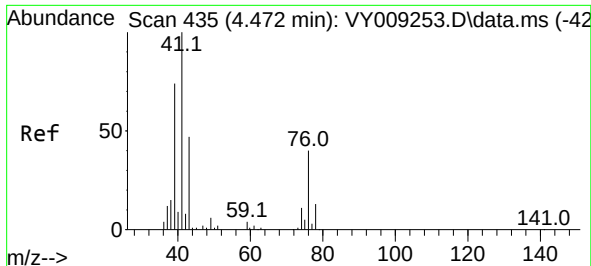
Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 4.252 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
58 26.2 22.0 33.0

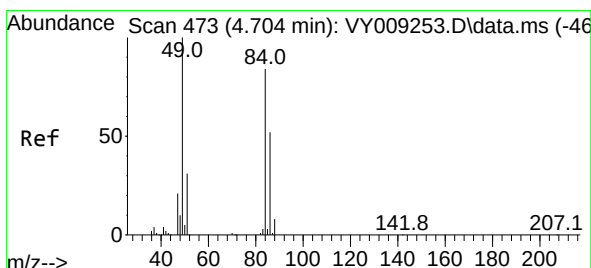
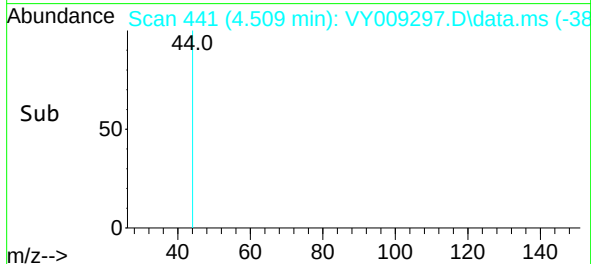
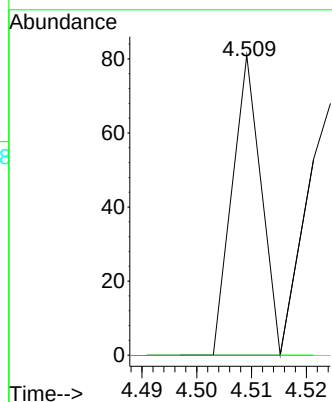
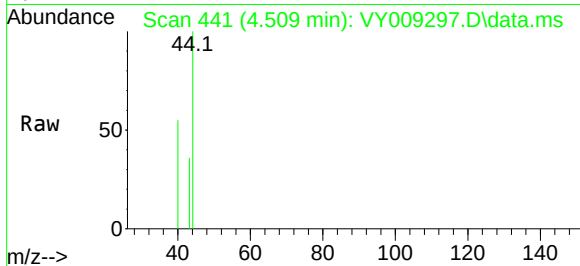




#18
Methyl Acetate
Concen: Below Cal
RT: 4.509 min Scan# 441
Delta R.T. 0.037 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

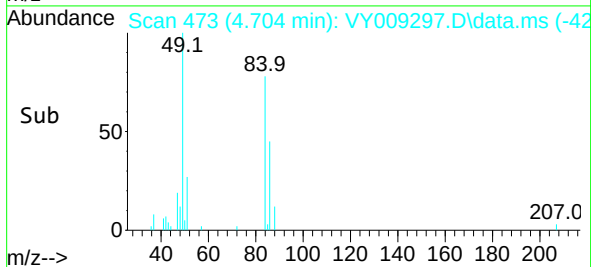
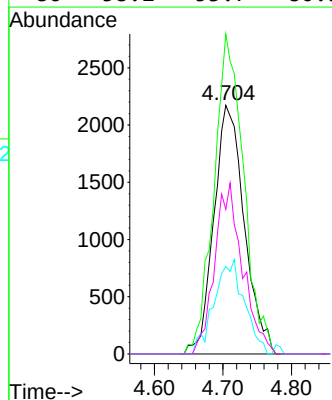
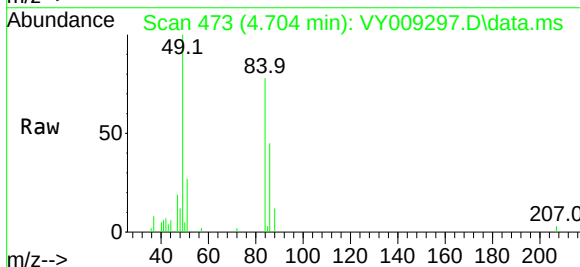
Instrument :
MSVOA_Y
ClientSampleId :
SB-8-7-9-20220622

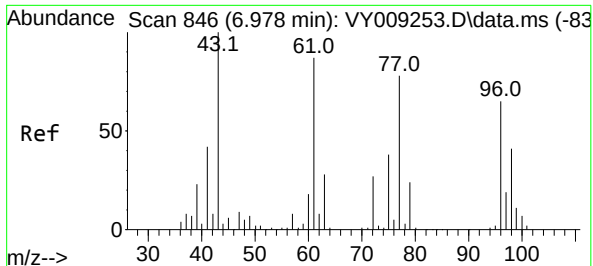
Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 84 Resp: 6703
Ion Ratio Lower Upper
84 100
49 128.7 114.4 171.6
51 35.2 35.3 52.9#
86 58.2 53.7 80.5





#25

2-Butanone

Concen: 2.831 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009297.D

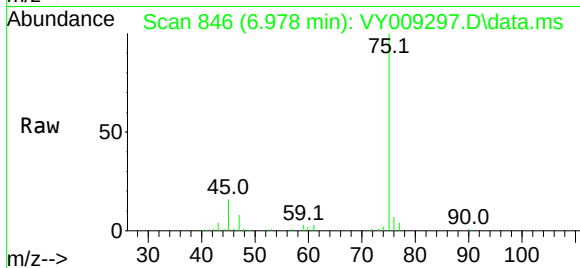
Acq: 23 Jun 2022 16:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-8-7-9-20220622

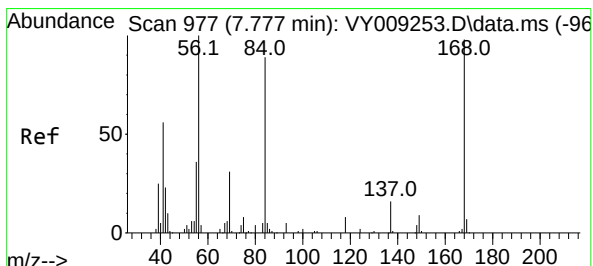
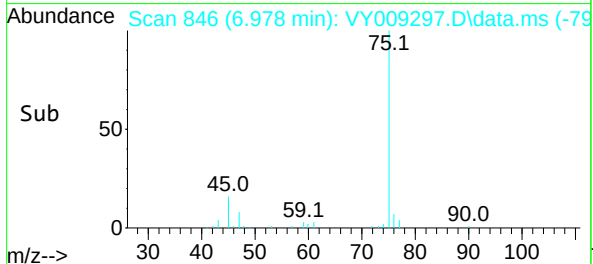
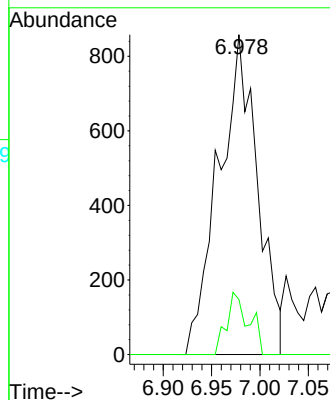


Tgt Ion: 43 Resp: 2398

Ion Ratio Lower Upper

43 100

72 17.2 17.7 26.5#



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

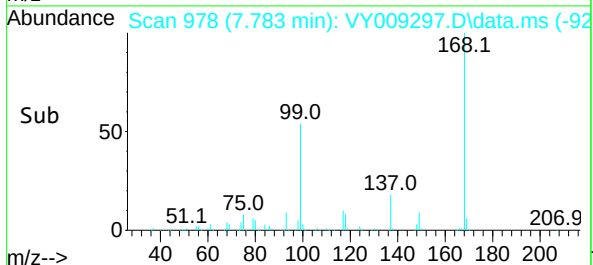
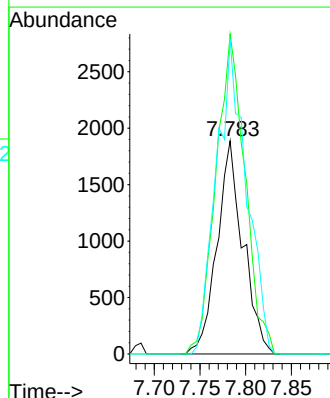
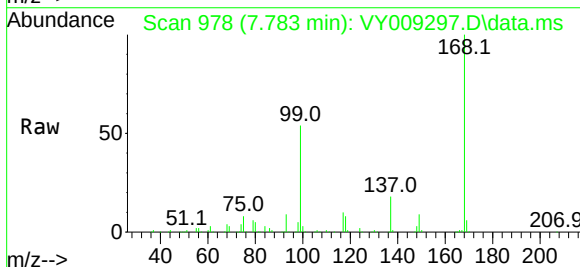
Tgt Ion: 56 Resp: 3728

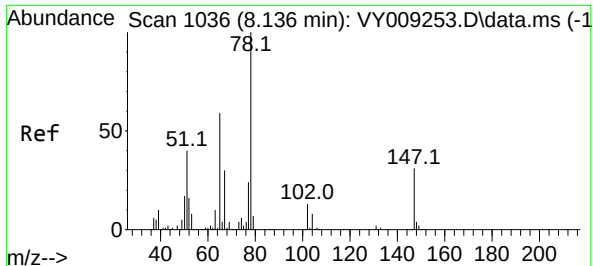
Ion Ratio Lower Upper

56 100

69 150.2 26.7 40.1#

84 147.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.448 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

Instrument :

MSVOA_Y

ClientSampleId :

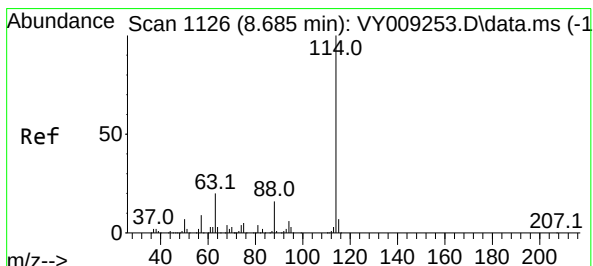
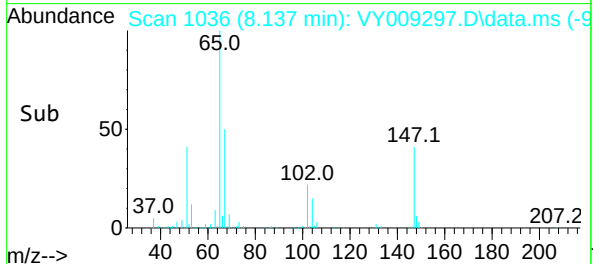
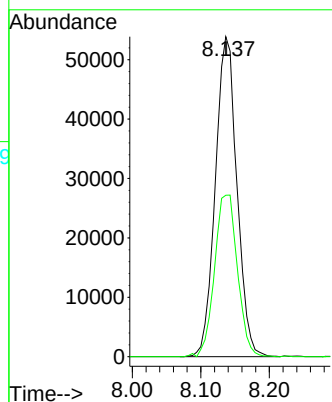
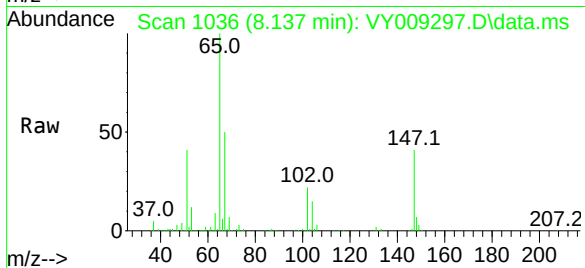
SB-8-7-9-20220622

Tgt Ion: 65 Resp: 117704

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

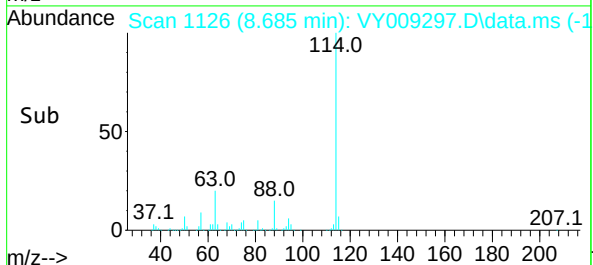
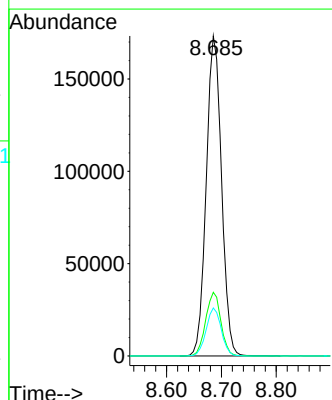
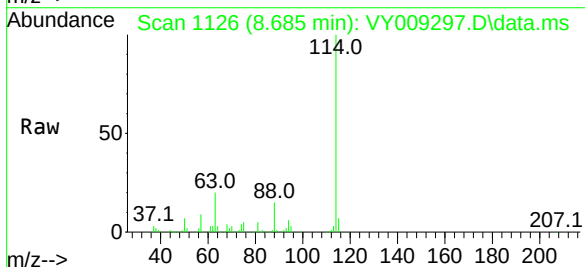
Tgt Ion: 114 Resp: 334451

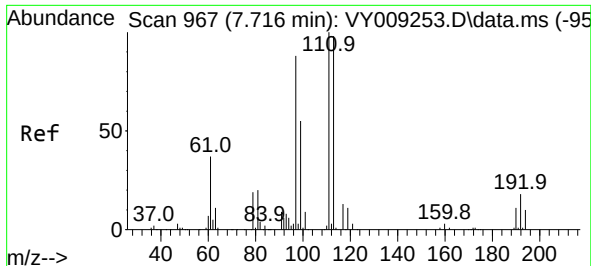
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.0 0.0 31.8

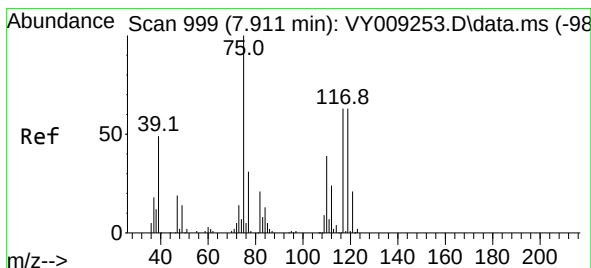
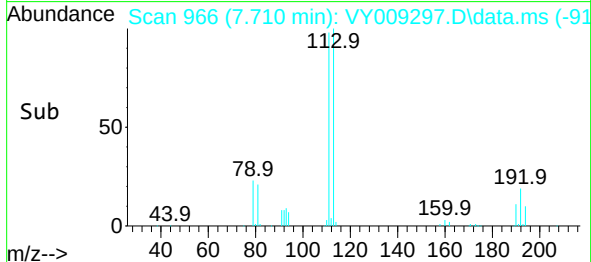
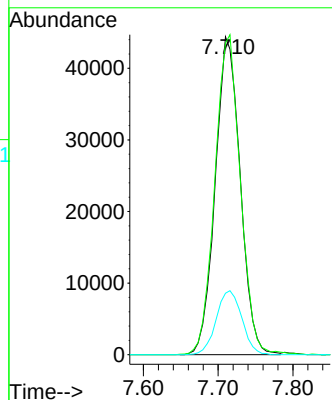
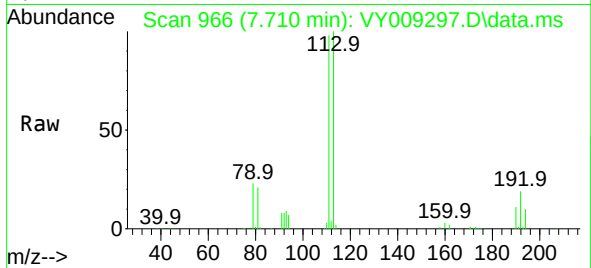




#35
Dibromofluoromethane
Concen: 47.684 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

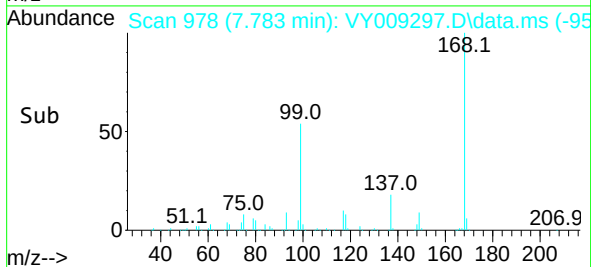
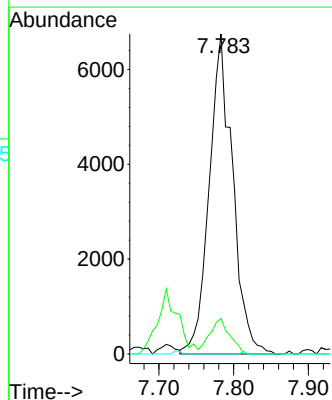
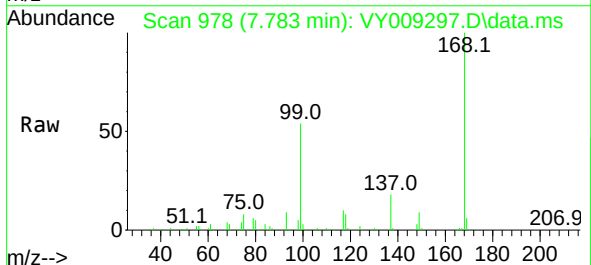
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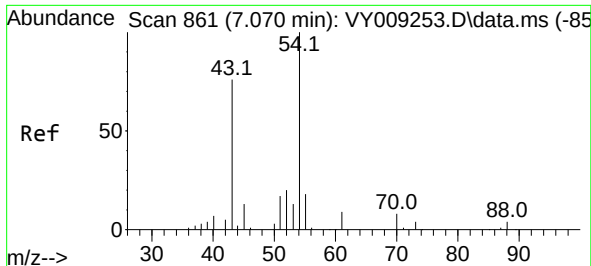
Tgt Ion:113 Resp: 103283
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.454 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 75 Resp: 14682
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.203 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

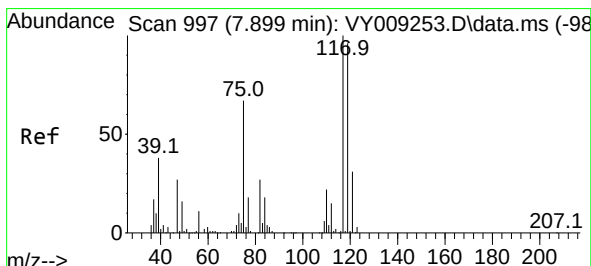
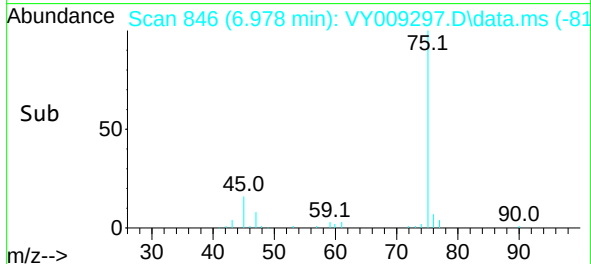
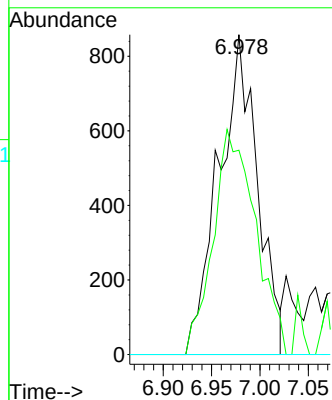
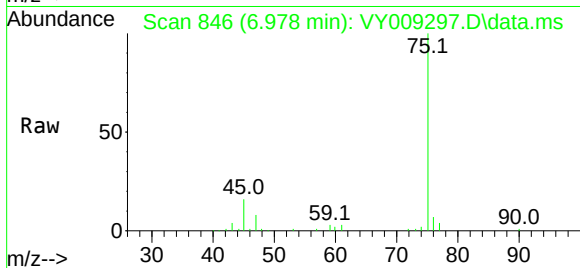
Instrument :

MSVOA_Y

ClientSampleId :

SB-8-7-9-20220622

Tgt Ion:	43	Resp:	2398
Ion	Ratio	Lower	Upper
43	100		
61	76.6	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.202 ug/l

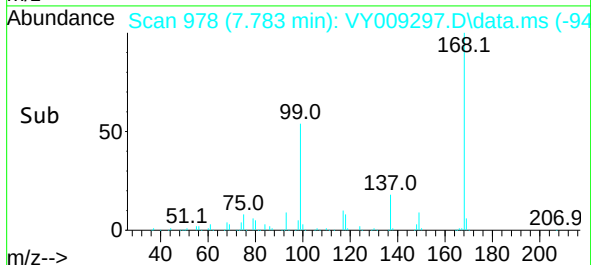
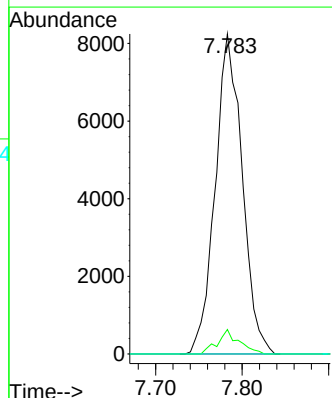
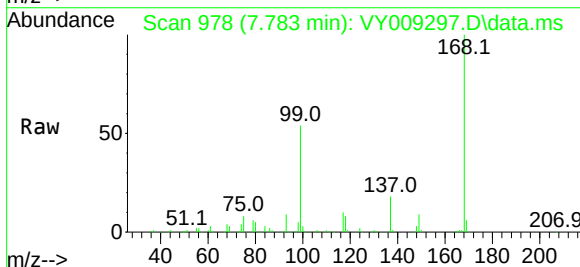
RT: 7.783 min Scan# 978

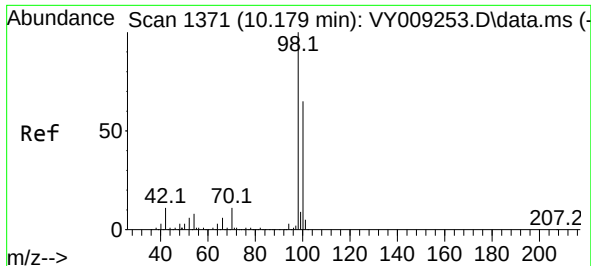
Delta R.T. -0.116 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

Tgt Ion:	117	Resp:	17830
Ion	Ratio	Lower	Upper
117	100		
119	7.7	77.9	116.9#
121	0.0	24.8	37.2#

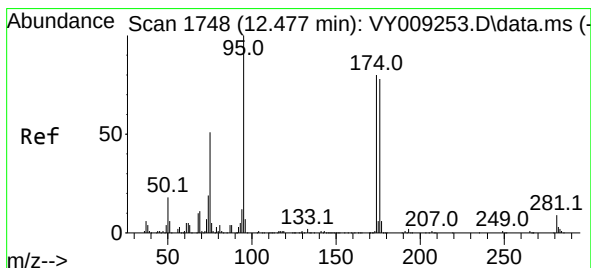
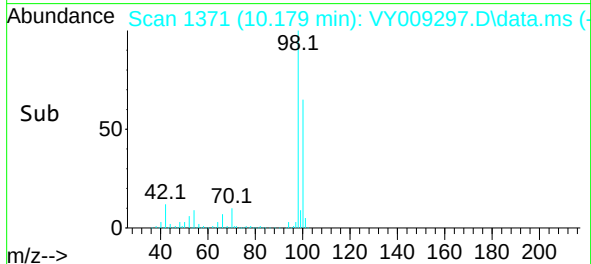
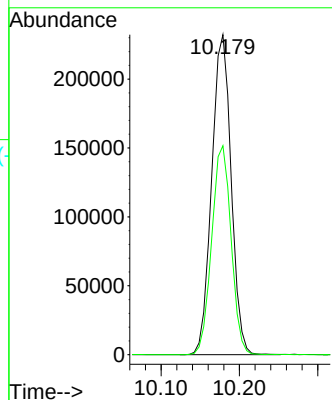
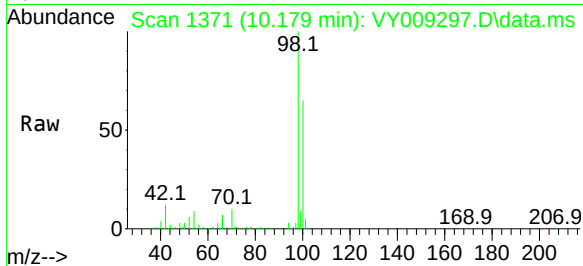




#50
Toluene-d8
Concen: 48.051 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

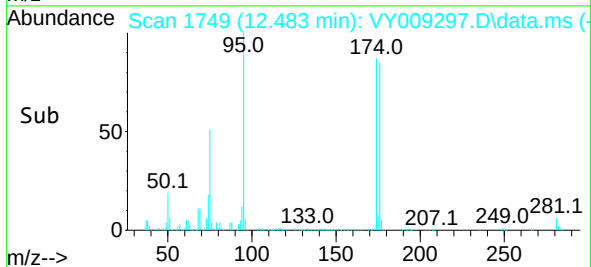
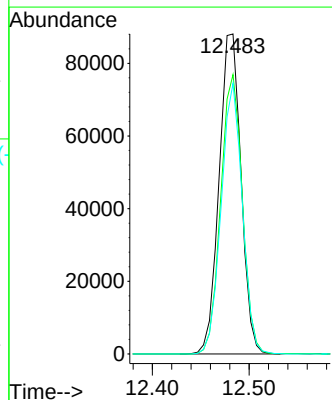
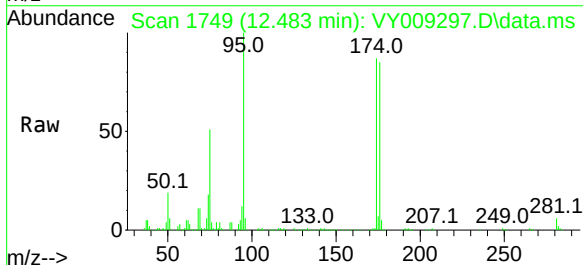
Instrument :
MSVOA_Y
ClientSampleId :
SB-8-7-9-20220622

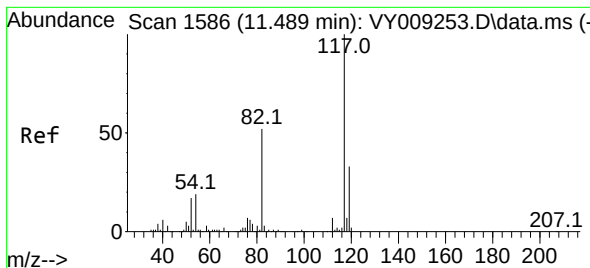
Tgt Ion: 98 Resp: 399813
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.292 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 95 Resp: 138270
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 81.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-8-7-9-20220622

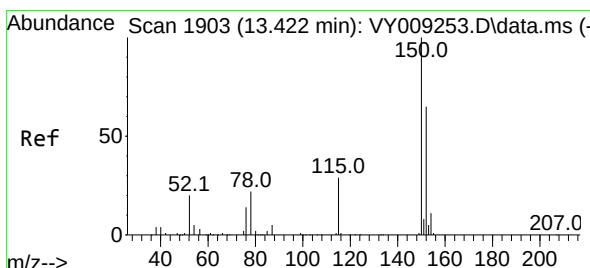
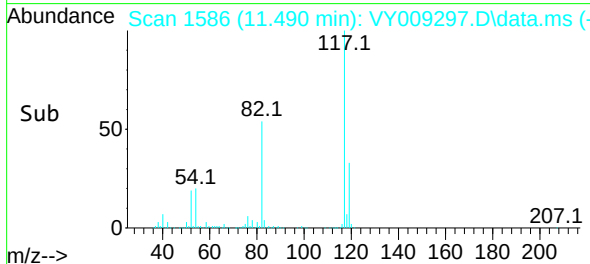
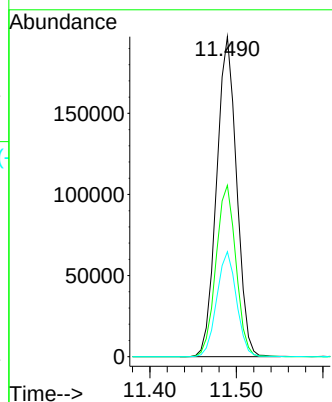
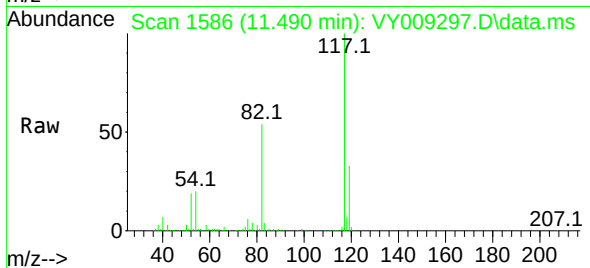
Tgt Ion:117 Resp: 316673

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009297.D

Acq: 23 Jun 2022 16:20

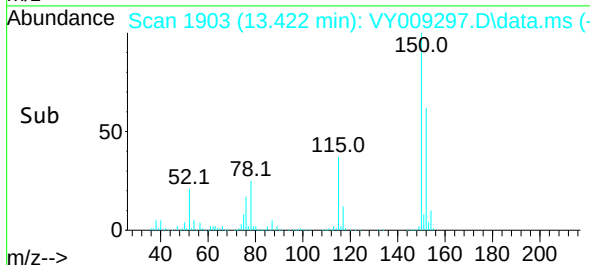
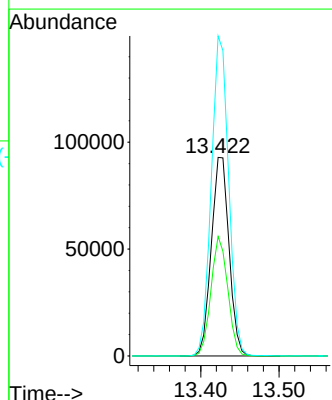
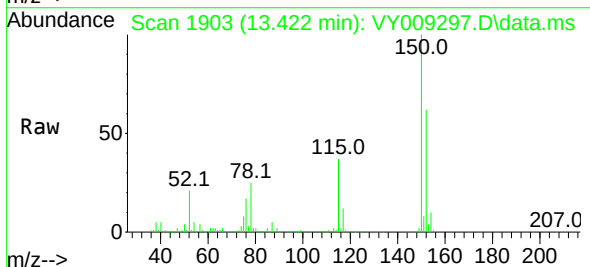
Tgt Ion:152 Resp: 145972

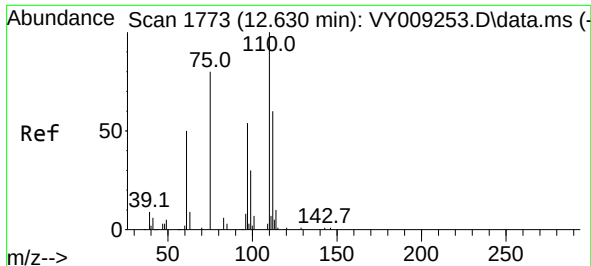
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 157.3 0.0 347.6

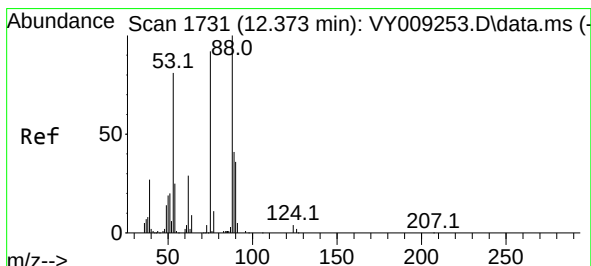
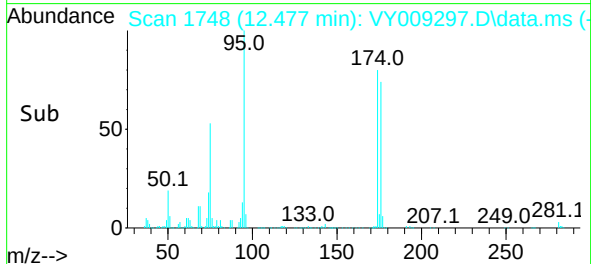
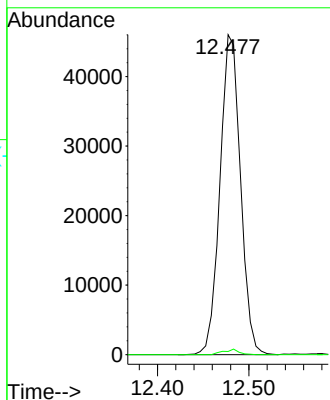
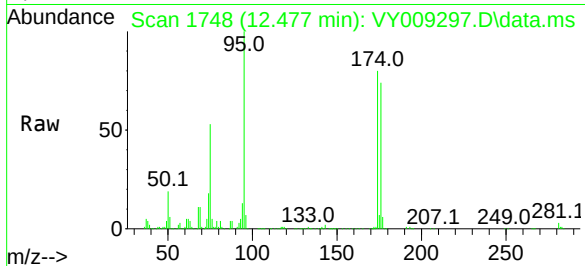




#76
1,2,3-Trichloropropane
Concen: 41.941 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-8-7-9-20220622

Tgt Ion: 75 Resp: 71776
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.928 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009297.D
Acq: 23 Jun 2022 16:20

Tgt Ion: 75 Resp: 71776
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

