

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072022\
 Data File : VY009619.D
 Acq On : 20 Jul 2022 17:53
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 21 02:15:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

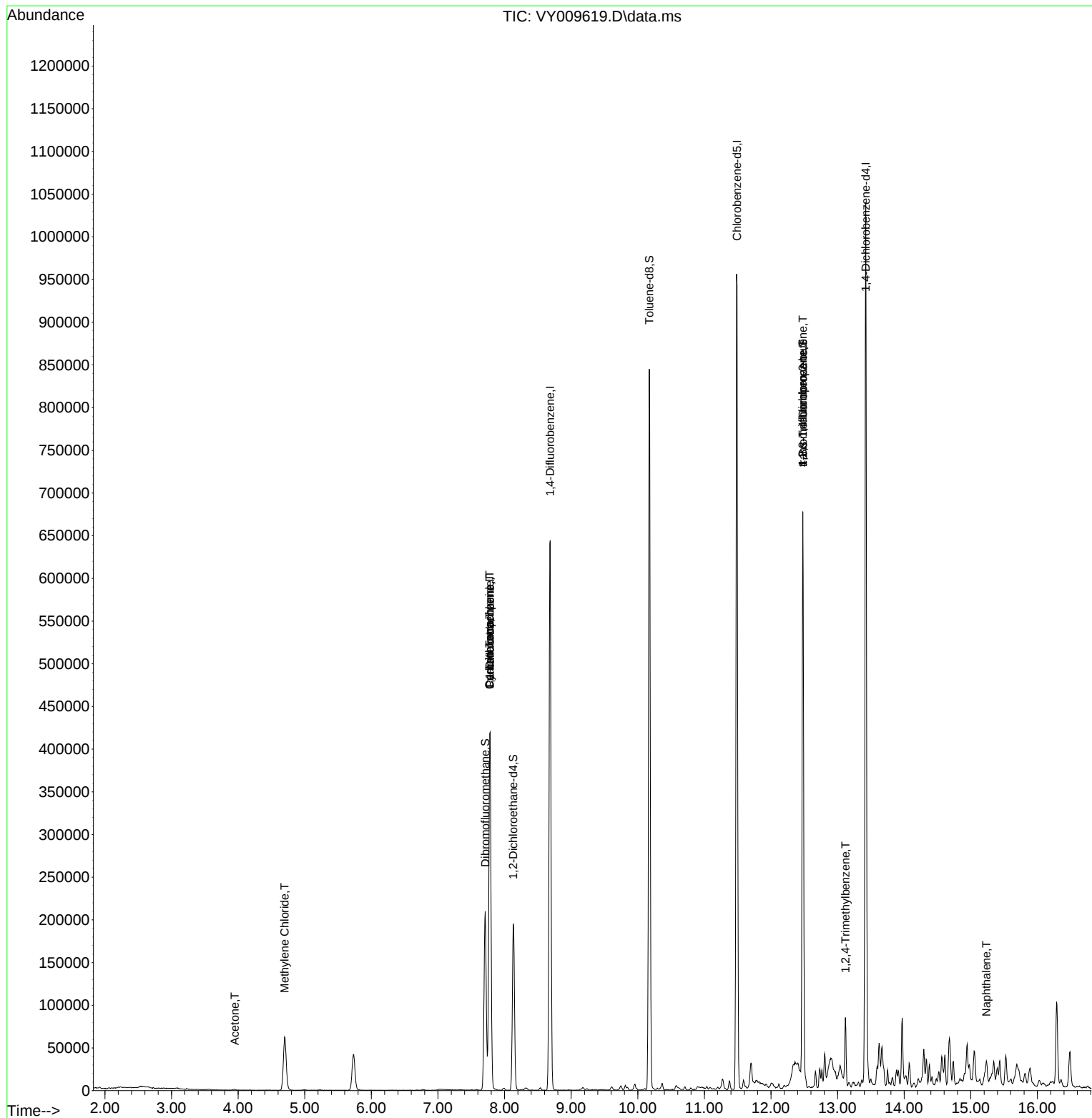
Internal Standards						
1) Pentafluorobenzene	7.783	168	356817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	590641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	555417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	279405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	151548	44.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.820%
35) Dibromofluoromethane	7.710	113	148923	40.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.040%
50) Toluene-d8	10.173	98	574752	40.179	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	80.360%
62) 4-Bromofluorobenzene	12.477	95	205270	44.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	88.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	270	Below Cal	#	77
16) Acetone	3.948	43	1806	2.116	ug/l #	82
20) Methylene Chloride	4.698	84	49391	2.023	ug/l #	78
31) Cyclohexane	7.777	56	6053	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	22909	4.166	ug/l #	50
38) Carbon Tetrachloride	7.777	117	32018	5.562	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	99014	37.200	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	99014	73.351	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	41973	2.626	ug/l	96
95) Naphthalene	15.233	128	20362	2.021	ug/l	97

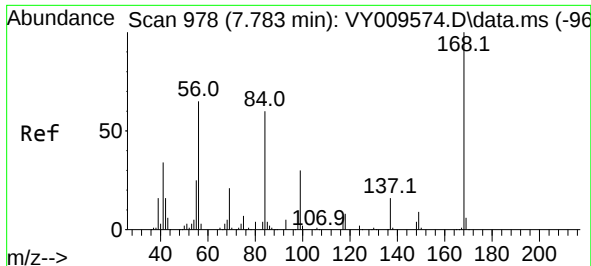
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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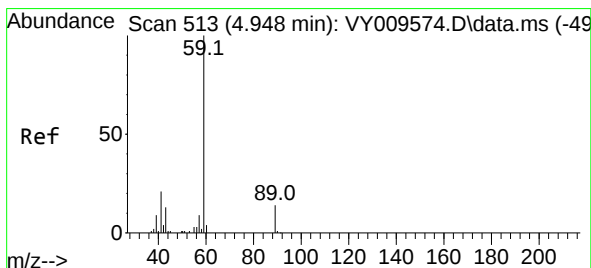
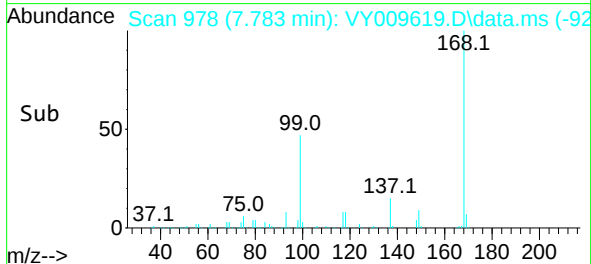
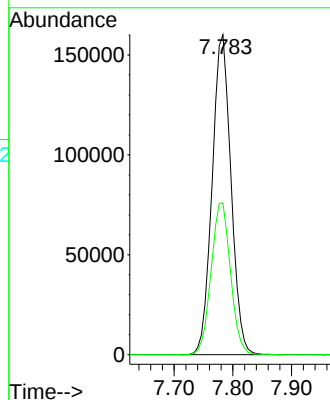
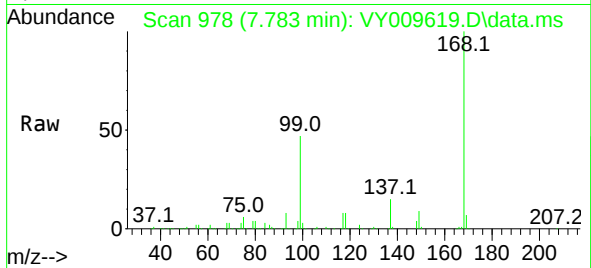




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

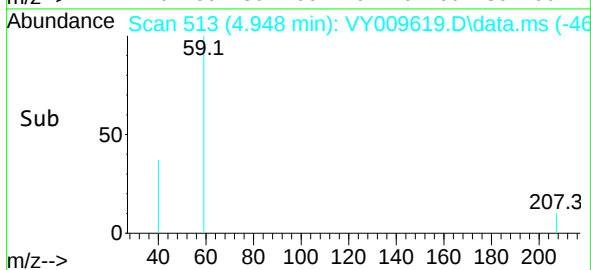
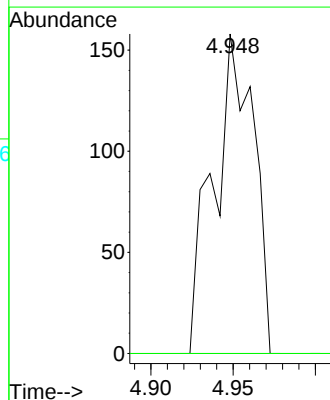
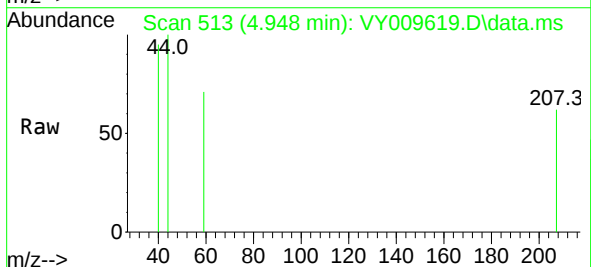
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

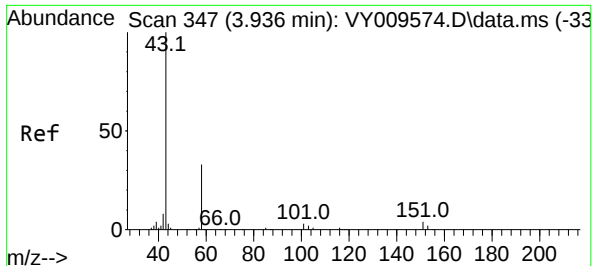
Tgt Ion:168 Resp: 356817
Ion Ratio Lower Upper
168 100
99 47.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

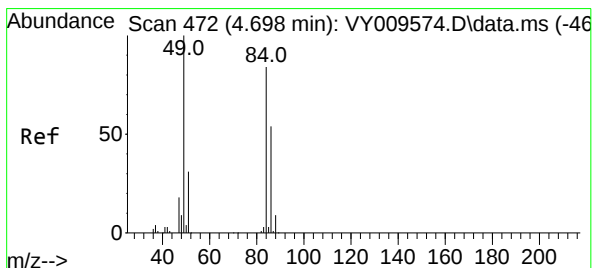
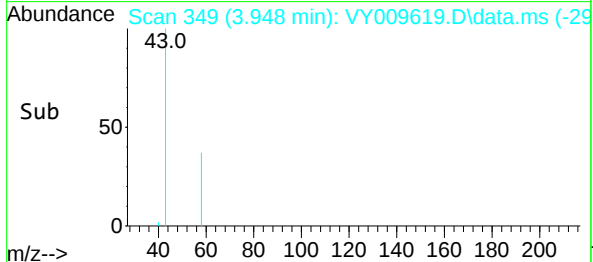
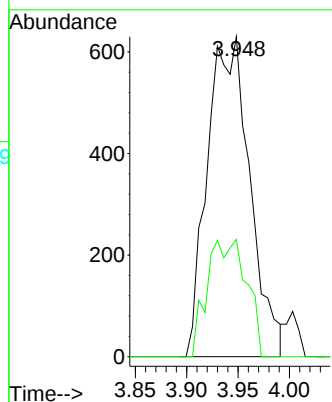
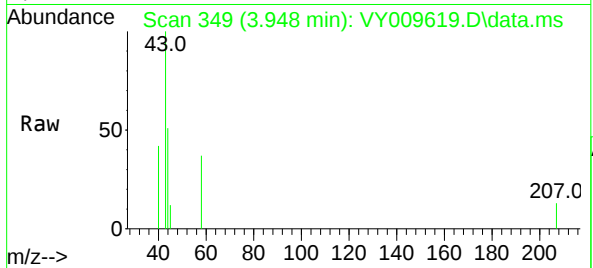




#16
Acetone
Concen: 2.116 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

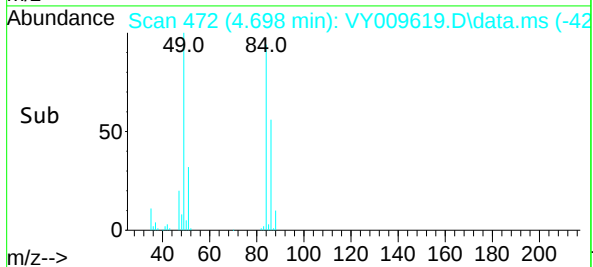
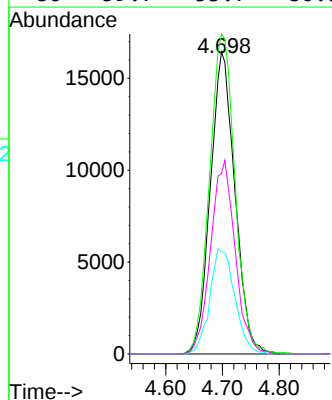
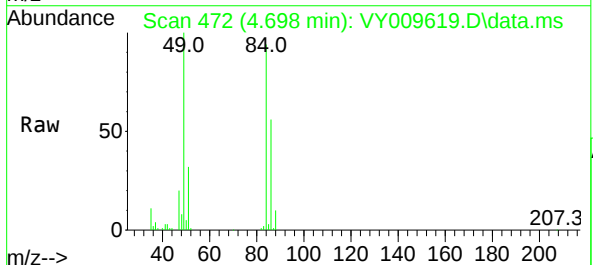
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

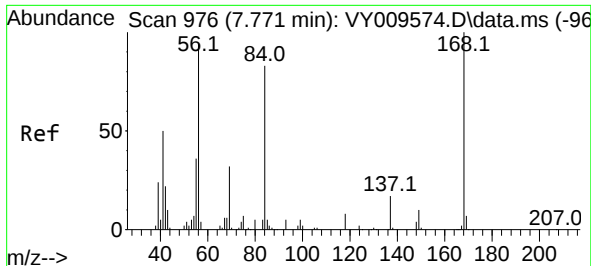
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 36.7 22.0 33.0#



#20
Methylene Chloride
Concen: 2.023 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 84 Resp: 49391
Ion Ratio Lower Upper
84 100
49 106.0 114.4 171.6#
51 33.9 35.3 52.9#
86 59.7 53.7 80.5

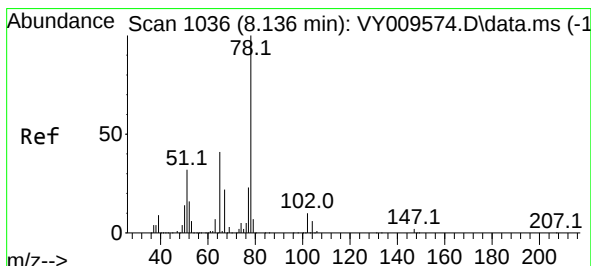
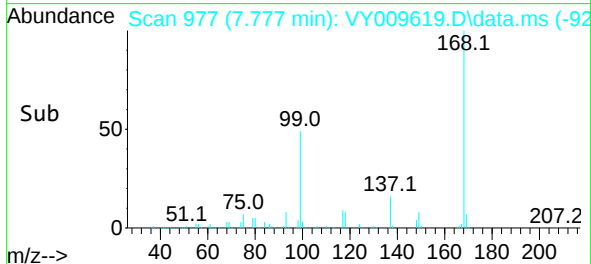
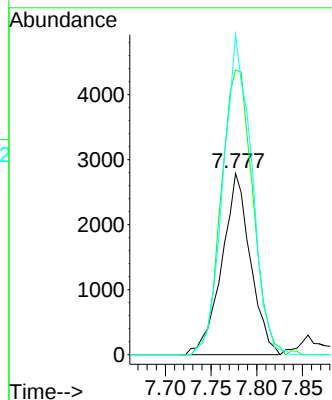
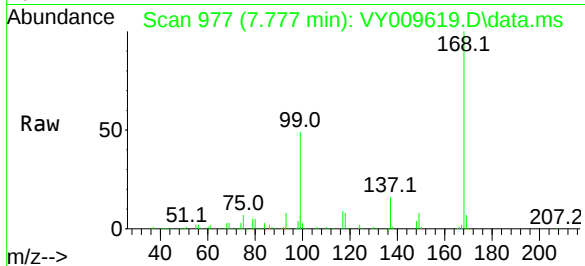




#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

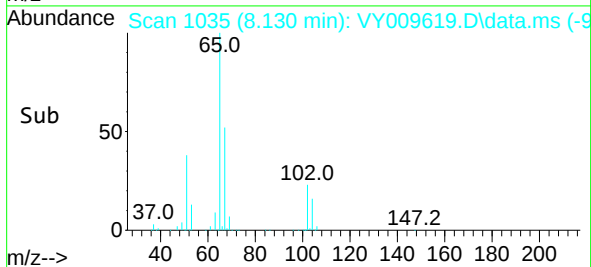
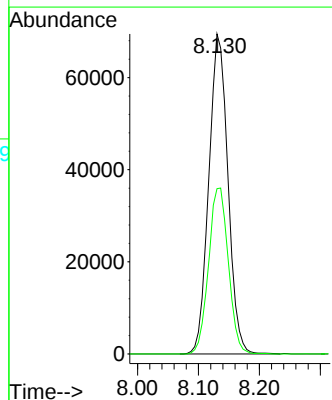
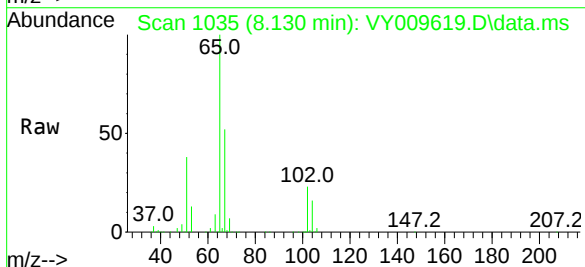
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

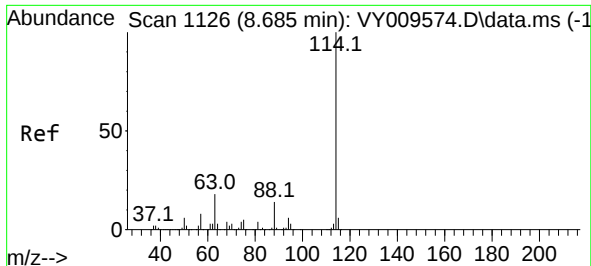
Tgt Ion: 56 Resp: 6053
Ion Ratio Lower Upper
56 100
69 157.0 26.7 40.1#
84 176.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 44.908 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 65 Resp: 151548
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4

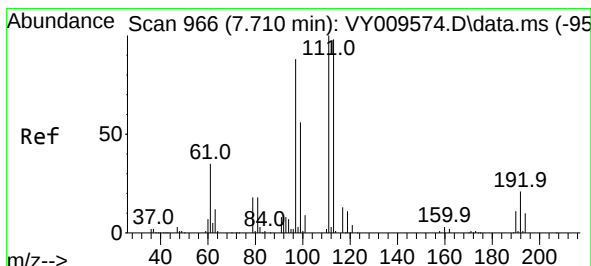
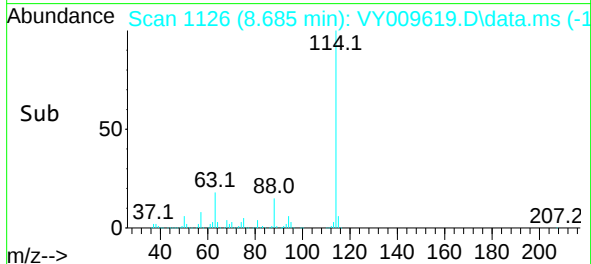
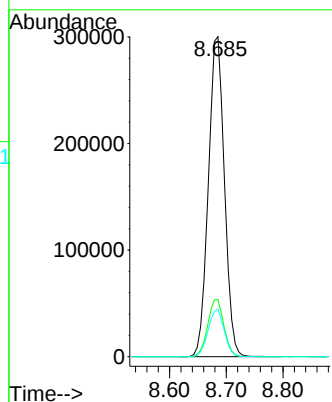
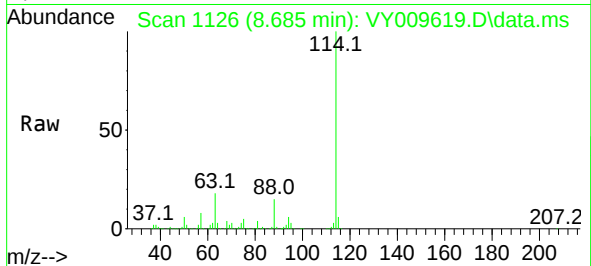




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

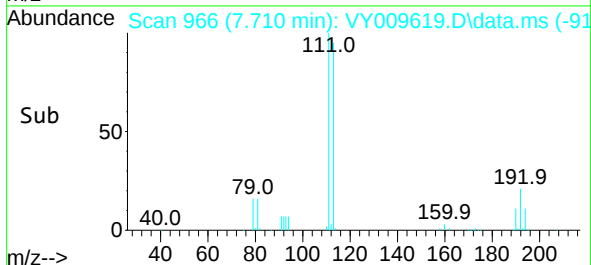
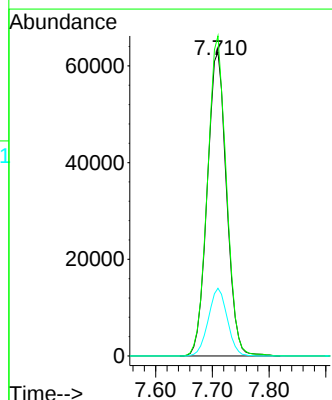
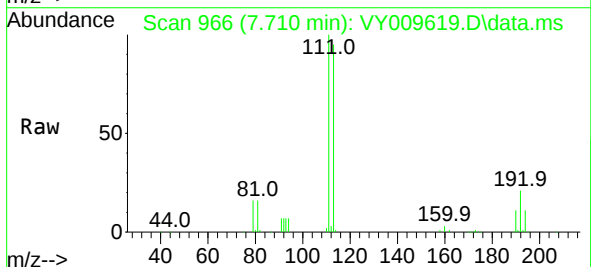
Instrument :
MSVOA_Y
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VIBLK

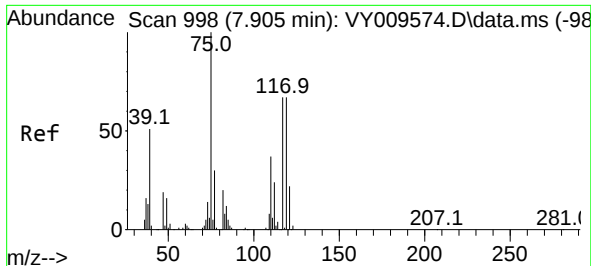
Tgt Ion:114 Resp: 590641
Ion Ratio Lower Upper
114 100
63 17.8 0.0 43.2
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 40.022 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion:113 Resp: 148923
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 21.8 17.6 26.4

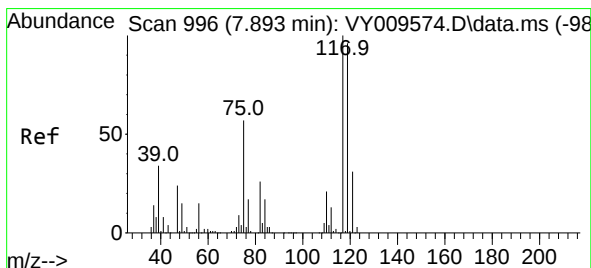
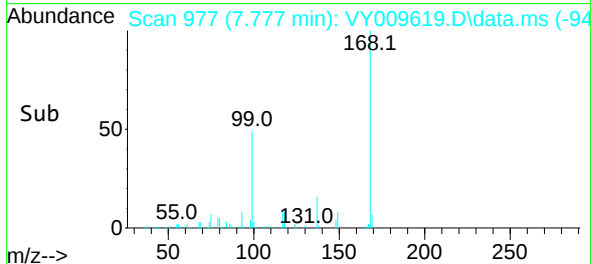
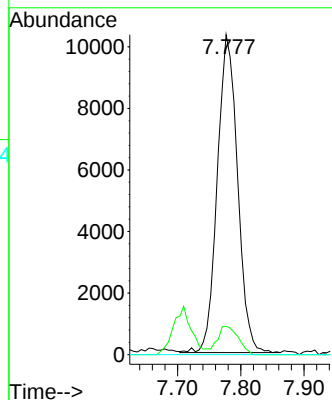
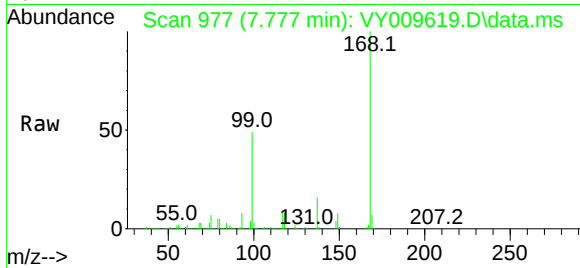




#36
1,1-Dichloropropene
Concen: 4.166 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

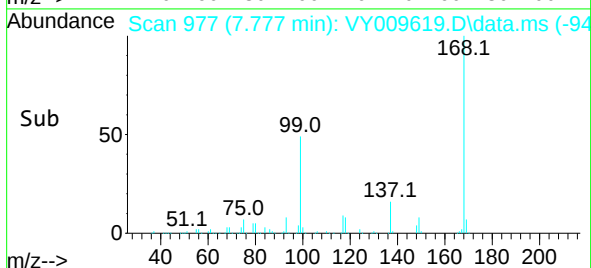
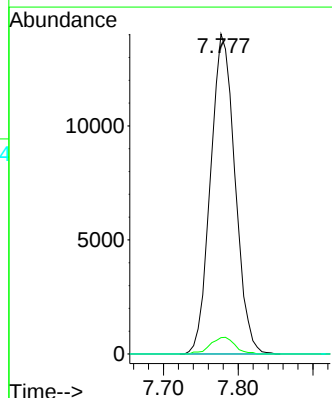
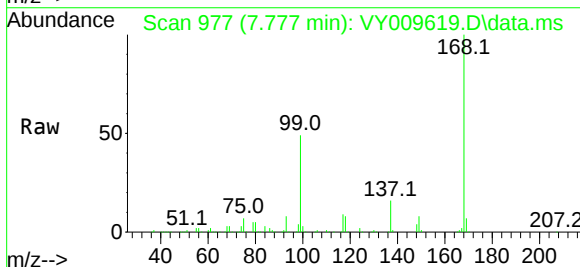
Instrument :
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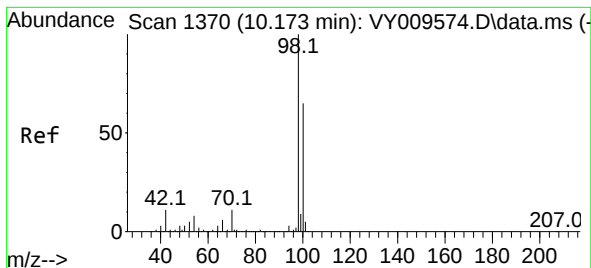
Tgt Ion: 75 Resp: 22909
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 117 Resp: 32018
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#

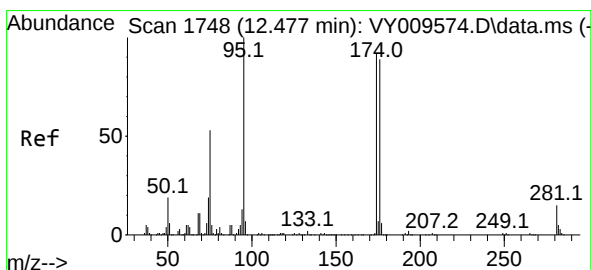
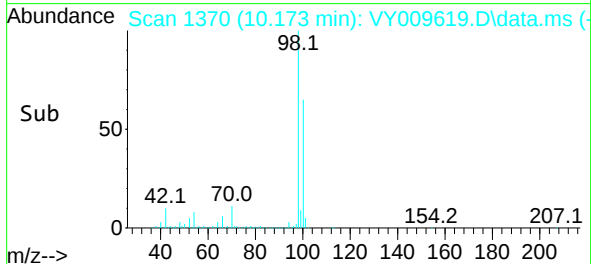
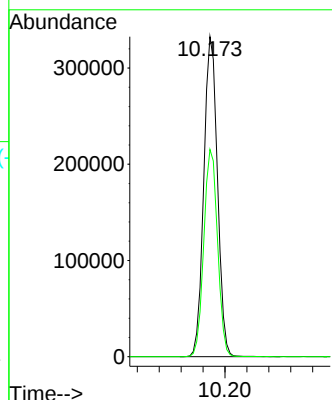
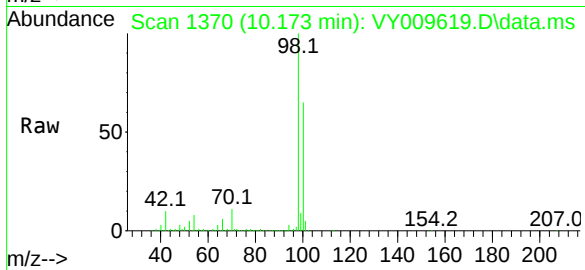




#50
Toluene-d8
Concen: 40.179 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

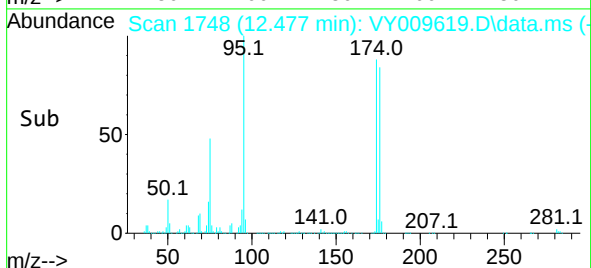
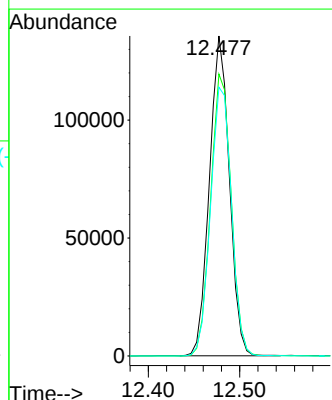
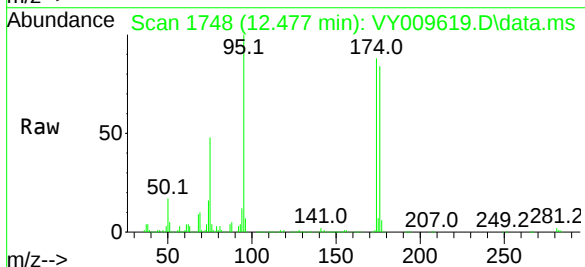
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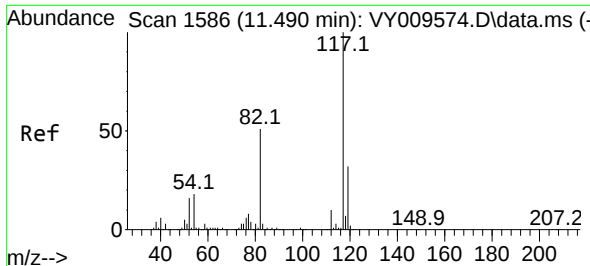
Tgt Ion: 98 Resp: 574752
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.286 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 95 Resp: 205270
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 88.3 0.0 175.8

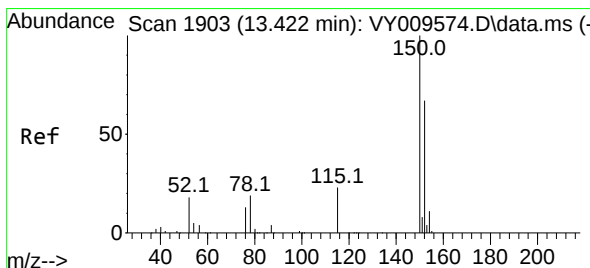
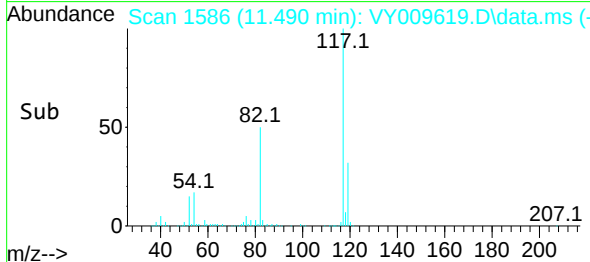
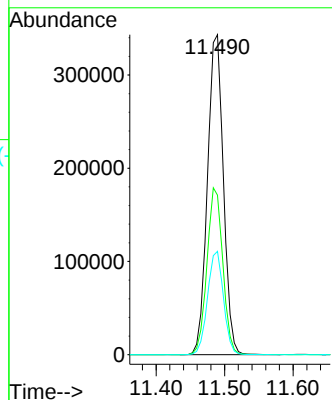
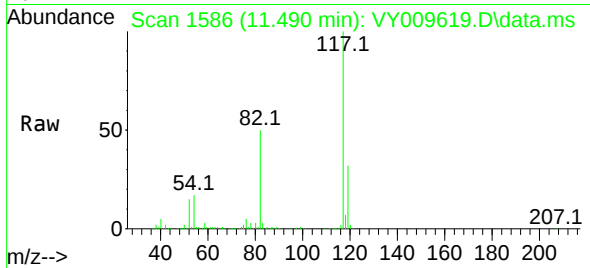




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

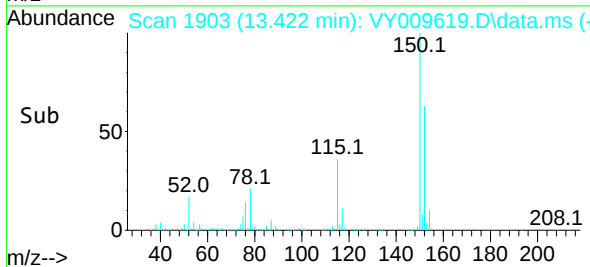
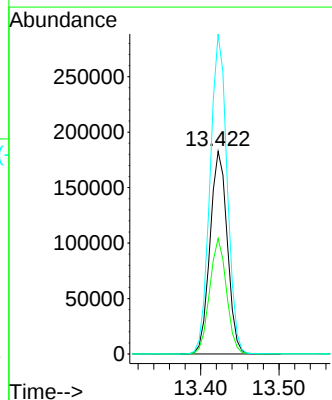
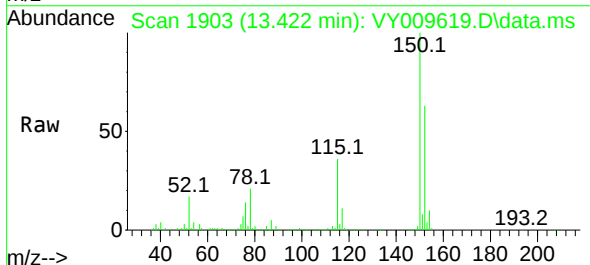
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

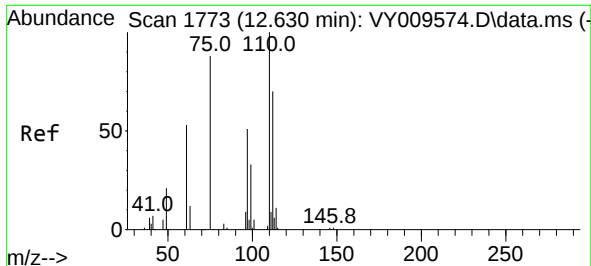
Tgt Ion:117 Resp: 555417
Ion Ratio Lower Upper
117 100
82 49.9 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion:152 Resp: 279405
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 156.1 0.0 347.6

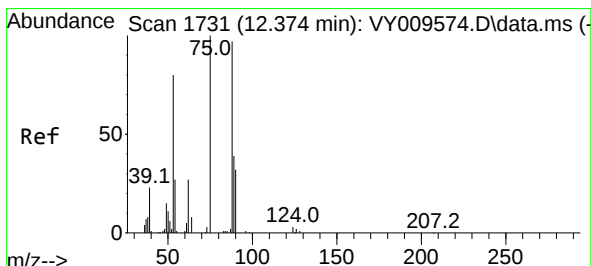
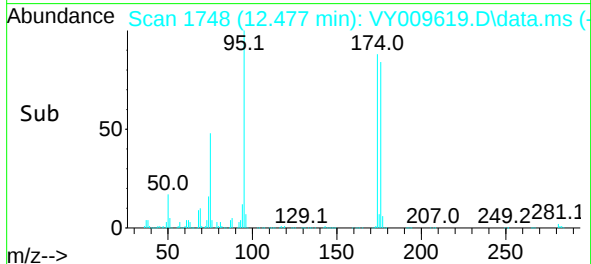
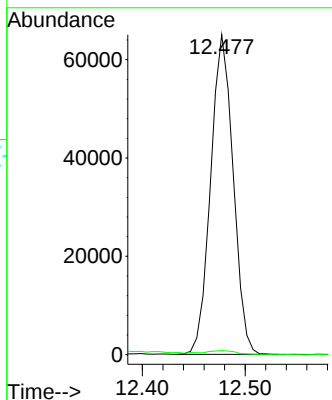
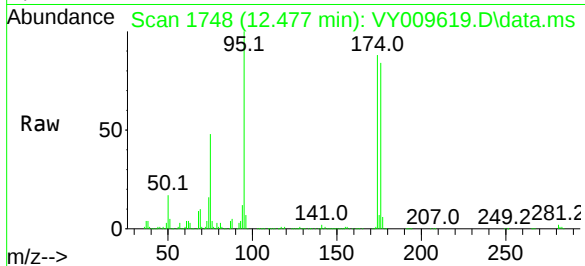




#76
1,2,3-Trichloropropane
Concen: 37.200 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

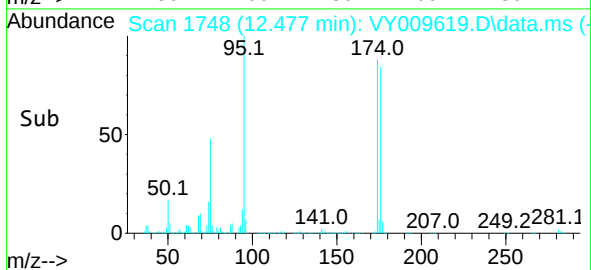
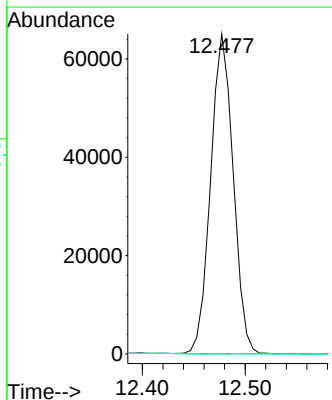
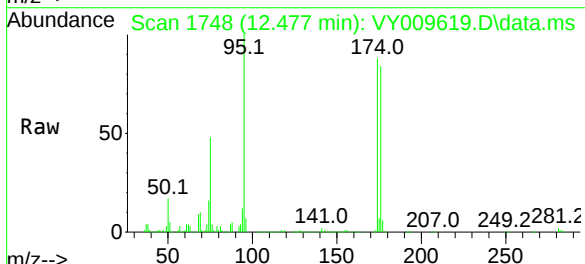
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

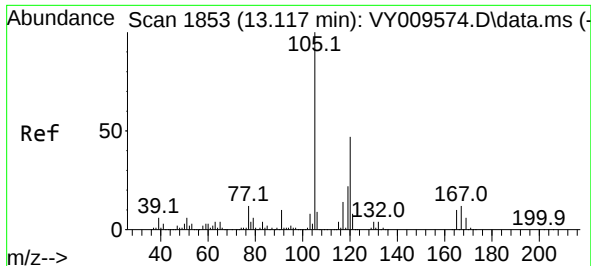
Tgt Ion: 75 Resp: 99014
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.351 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion: 75 Resp: 99014
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

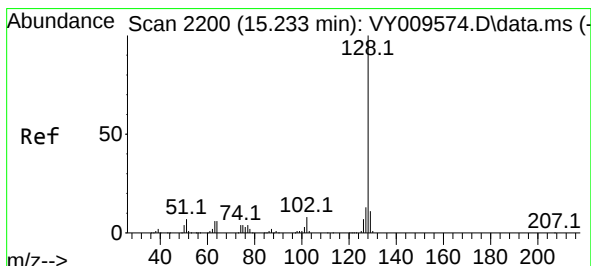
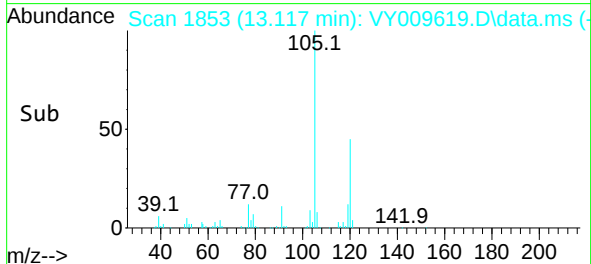
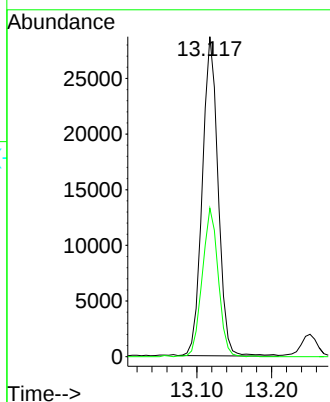
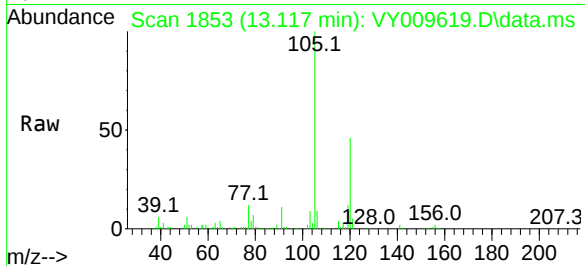




#84
1,2,4-Trimethylbenzene
Concen: 2.626 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:105 Resp: 41973
Ion Ratio Lower Upper
105 100
120 47.1 22.3 66.9



#95
Naphthalene
Concen: 2.021 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY009619.D
Acq: 20 Jul 2022 17:53

Tgt Ion:128 Resp: 20362
Ion Ratio Lower Upper
128 100
127 14.8 11.0 16.4
129 11.7 8.4 12.6

