

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080322\
 Data File : VY009820.D
 Acq On : 03 Aug 2022 14:49
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 04 02:28:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	47047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	88608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	83793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	39565	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	25675	68.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.300%
35) Dibromofluoromethane	7.710	113	21781	40.316	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.640%
50) Toluene-d8	10.173	98	78693	49.553	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.477	95	27693	37.854	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	75.700%

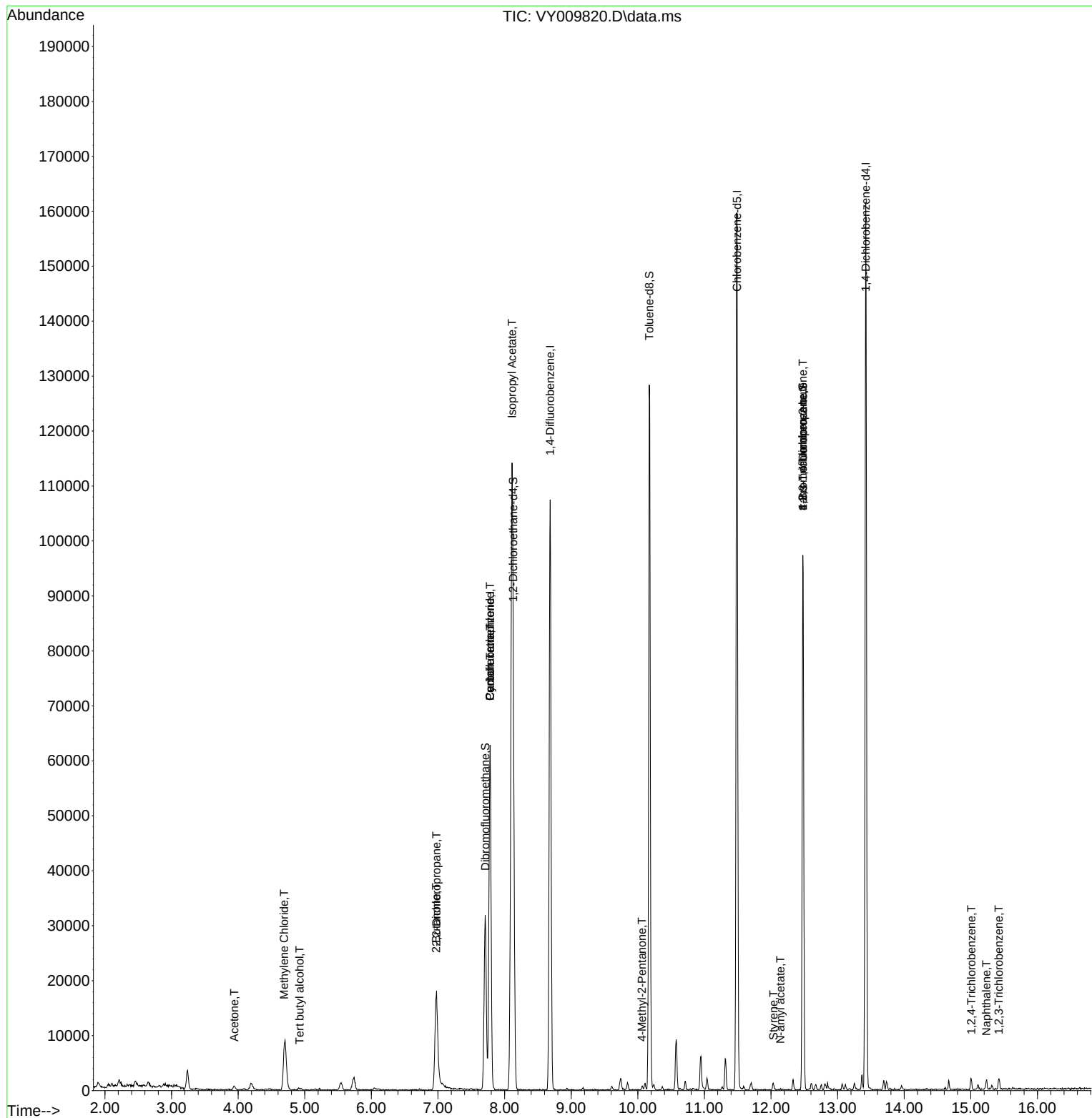
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.894	85	837	Below Cal	#	52
11) Tert butyl alcohol	4.923	59	260	5.205	ug/l #	78
16) Acetone	3.942	43	1135	8.522	ug/l	97
20) Methylene Chloride	4.692	84	6563	3.255	ug/l #	83
25) 2-Butanone	6.972	43	1436	6.592	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	1401	1.578	ug/l #	52
31) Cyclohexane	7.783	56	1185	1.331	ug/l #	12
38) Carbon Tetrachloride	7.783	117	4764	5.054	ug/l #	15
43) Isopropyl Acetate	8.112	43	2702	2.656	ug/l #	32
51) 4-Methyl-2-Pentanone	10.063	43	627	1.093	ug/l #	61
70) Styrene	12.038	104	383	1.153	ug/l #	73
74) N-amyl acetate	12.142	43	108	3.545	ug/l #	58
76) 1,2,3-Trichloropropane	12.477	75	15112	33.390	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15112	71.662	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.007	180	766	1.113	ug/l	96
95) Naphthalene	15.233	128	1632	6.346	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	755	1.240	ug/l	90

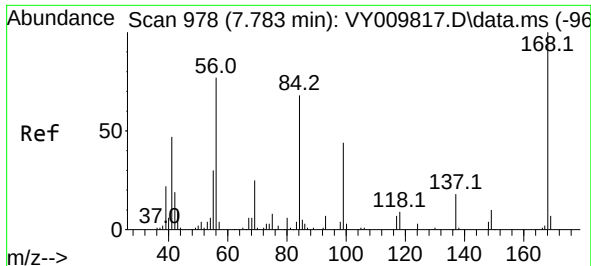
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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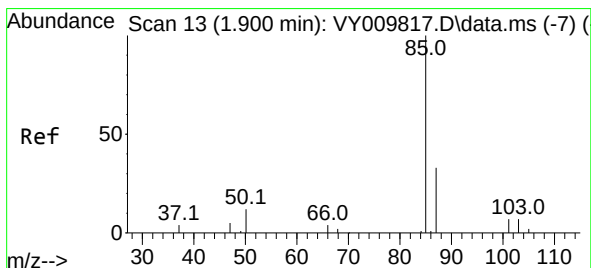
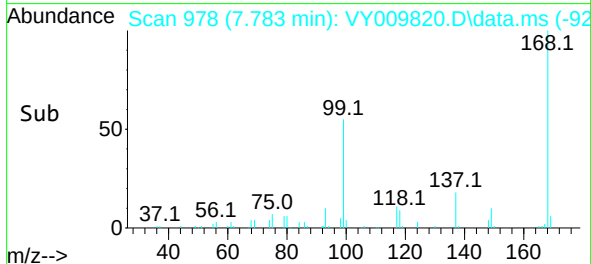
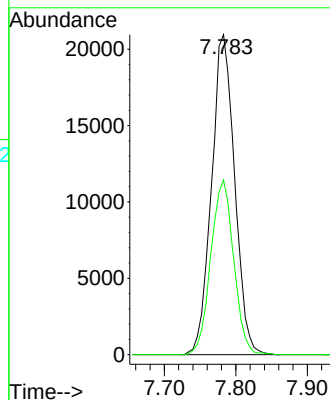
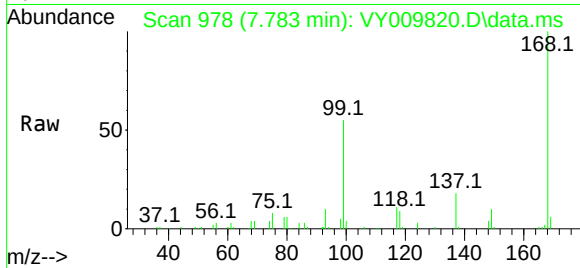




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

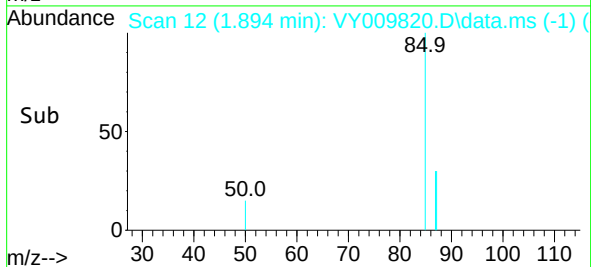
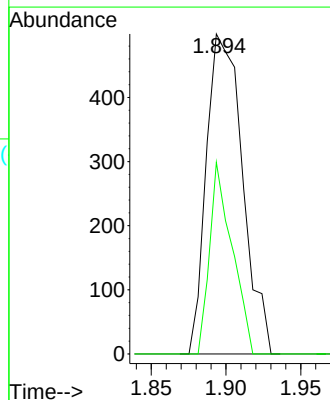
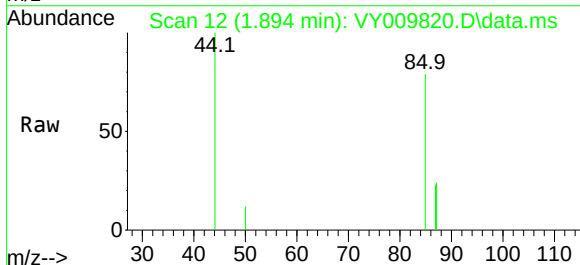
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

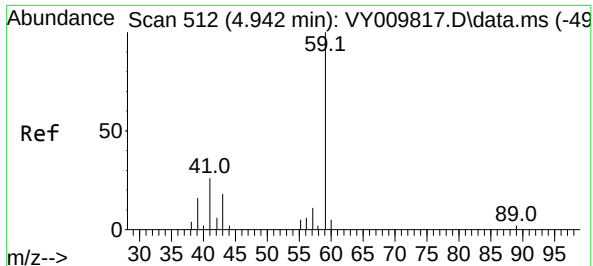
Tgt Ion:168 Resp: 47047
Ion Ratio Lower Upper
168 100
99 54.6 44.7 67.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion: 85 Resp: 837
Ion Ratio Lower Upper
85 100
87 59.9 16.4 49.2#





#11

Tert butyl alcohol

Concen: 5.205 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.019 min

Lab File: VY009820.D

Acq: 03 Aug 2022 14:49

Instrument :

MSVOA_Y

ClientSampleId :

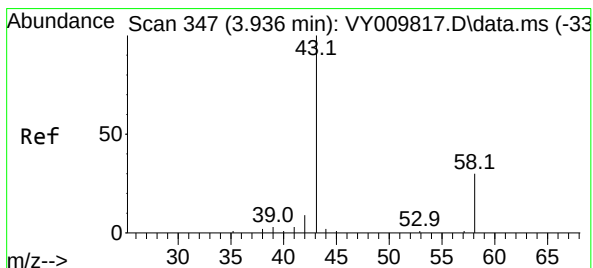
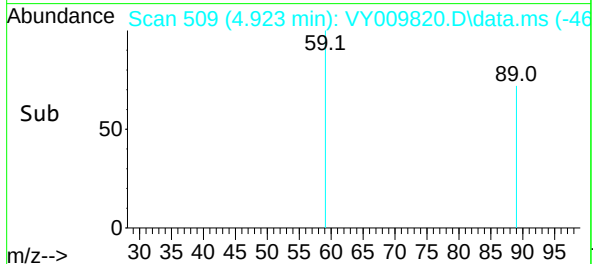
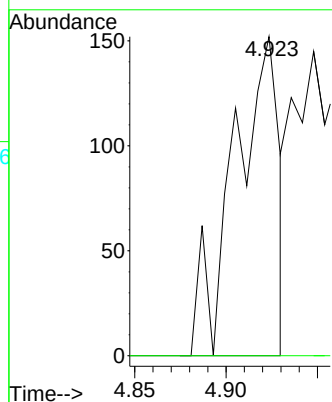
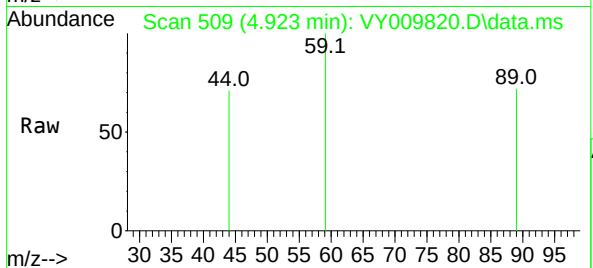
VIBLK

Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#



#16

Acetone

Concen: 8.522 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009820.D

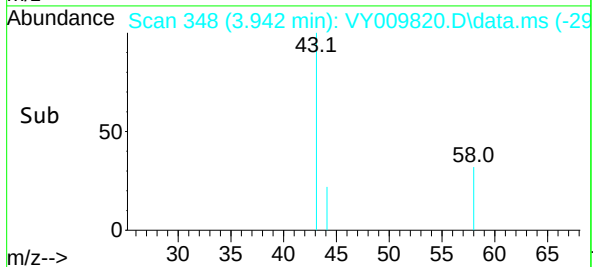
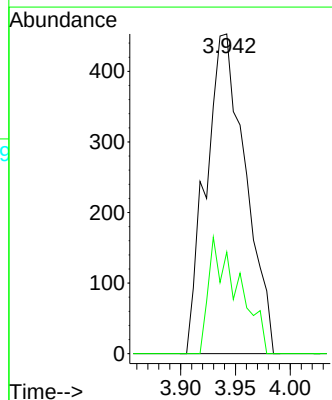
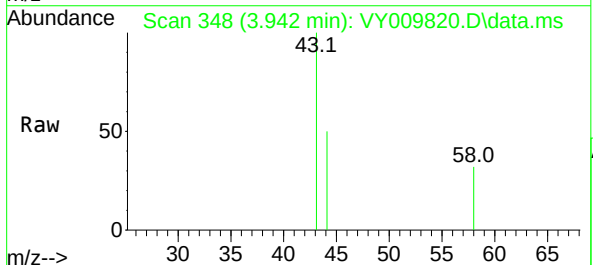
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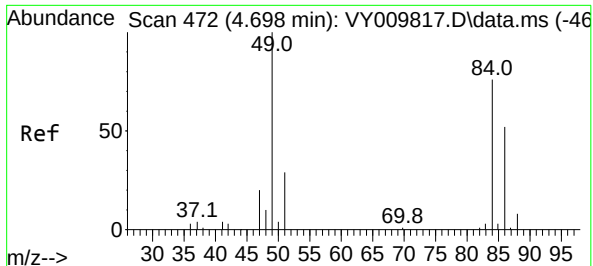
Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1

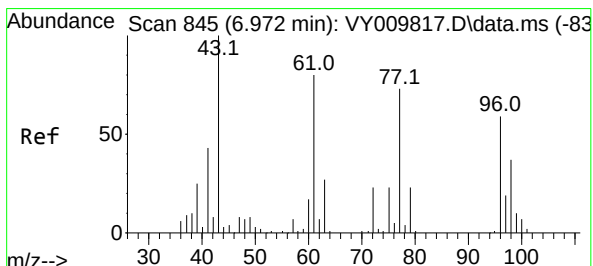
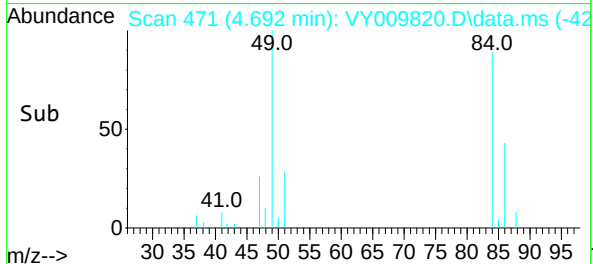
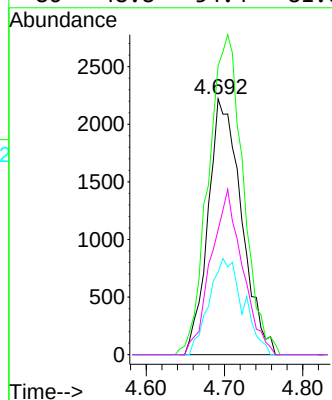
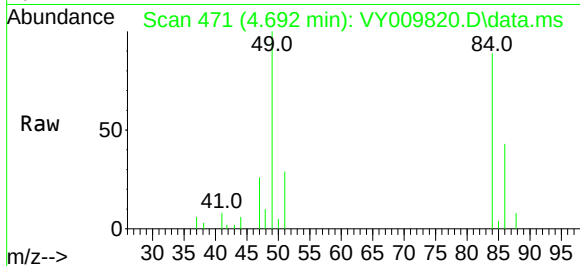




#20
Methylene Chloride
Concen: 3.255 ug/l
RT: 4.692 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

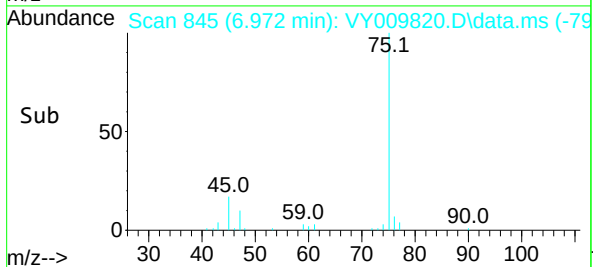
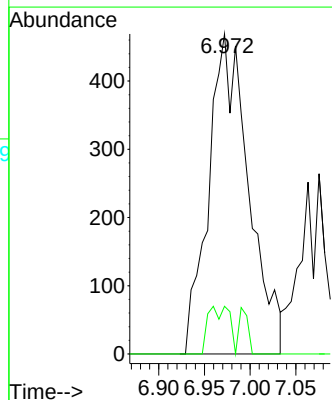
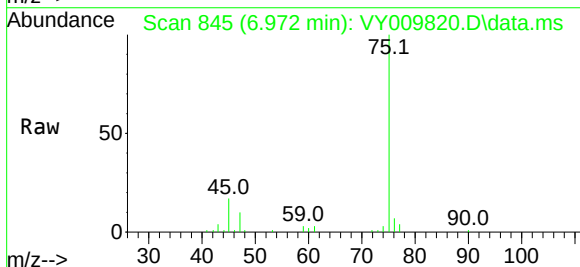
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

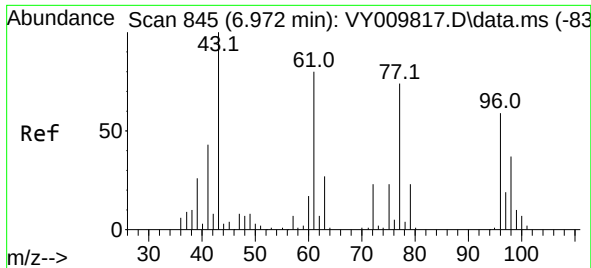
Tgt Ion: 84 Resp: 6563
Ion Ratio Lower Upper
84 100
49 112.9 104.6 156.8
51 32.3 30.9 46.3
86 48.8 54.4 81.6#



#25
2-Butanone
Concen: 6.592 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion: 43 Resp: 1436
Ion Ratio Lower Upper
43 100
72 14.9 18.2 27.4#

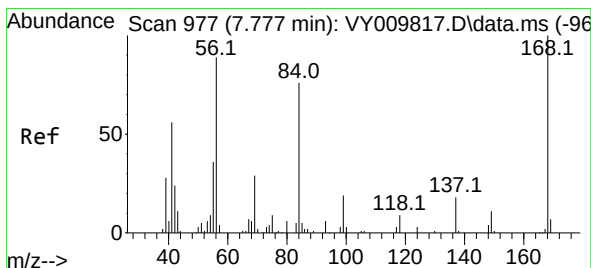
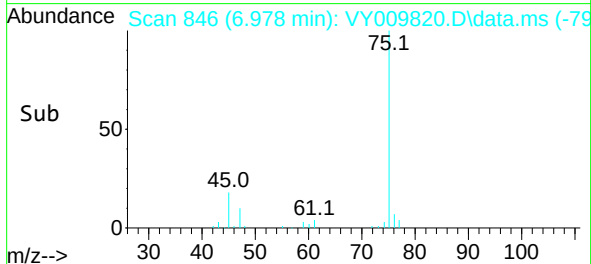
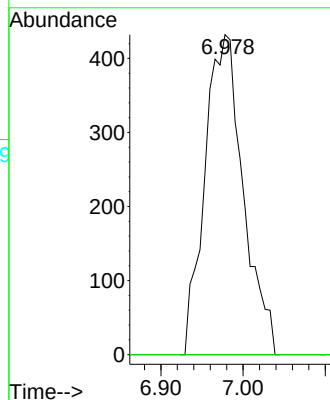
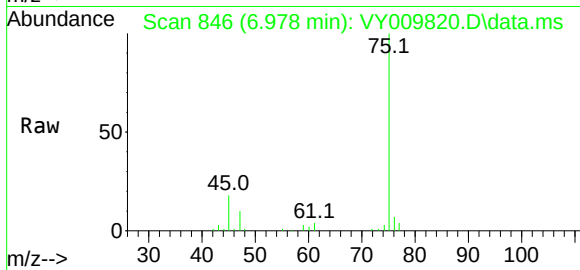




#26
2,2-Dichloropropane
Concen: 1.578 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

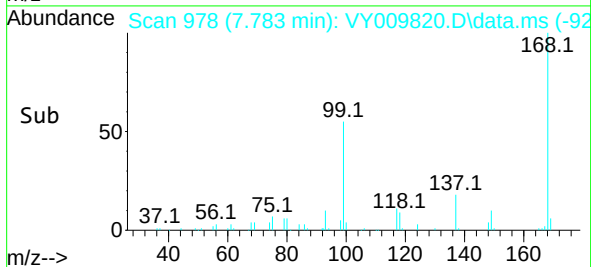
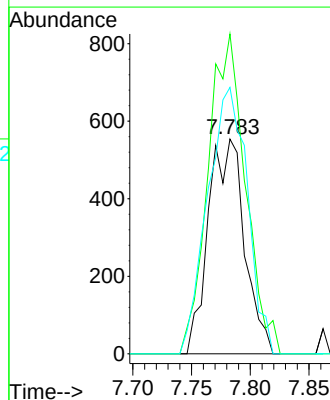
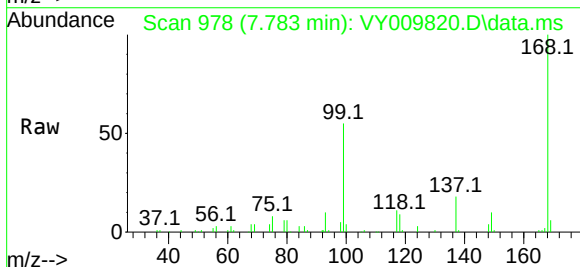
Instrument :
MSVOA_Y
ClientSampleId :
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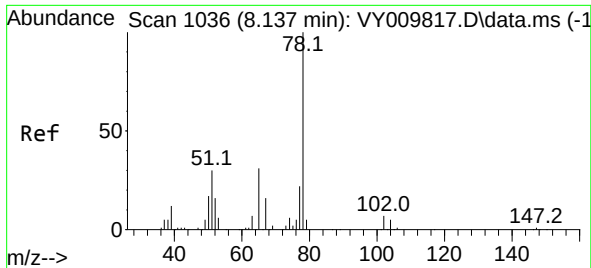
Tgt Ion: 77 Resp: 1401
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion: 56 Resp: 1185
Ion Ratio Lower Upper
56 100
69 148.9 25.8 38.8#
84 124.0 67.9 101.9#

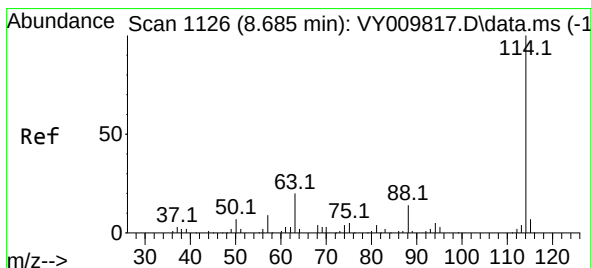
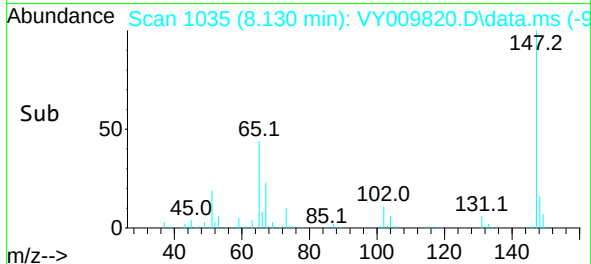
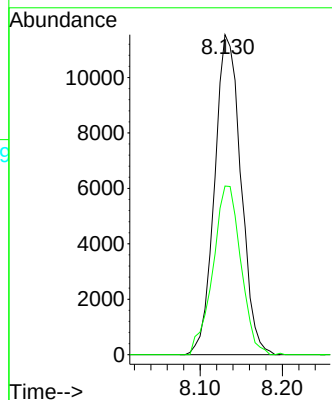
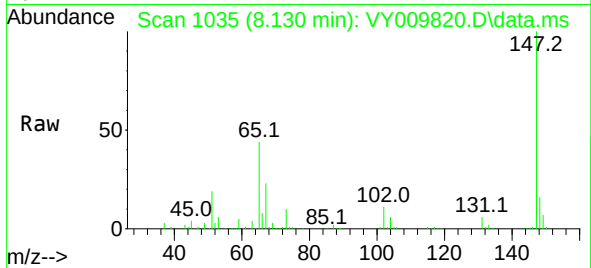




#33
1,2-Dichloroethane-d4
Concen: 68.650 ug/l
RT: 8.130 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

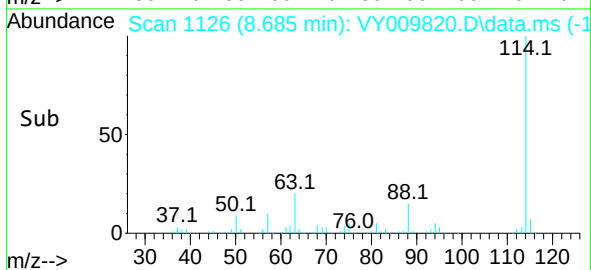
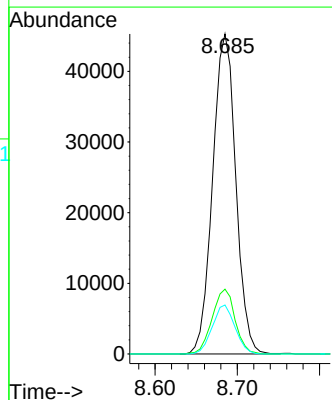
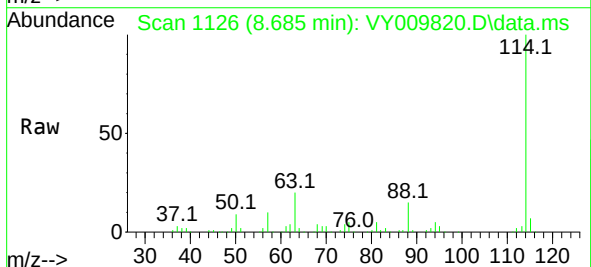
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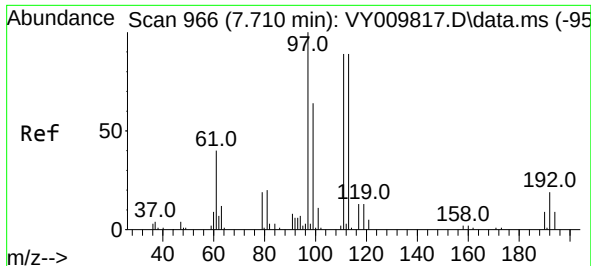
Tgt Ion: 65 Resp: 25675
Ion Ratio Lower Upper
65 100
67 55.8 0.0 112.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion: 114 Resp: 88608
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.2
88 15.3 0.0 27.6

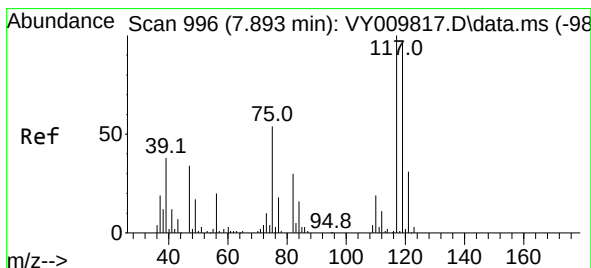
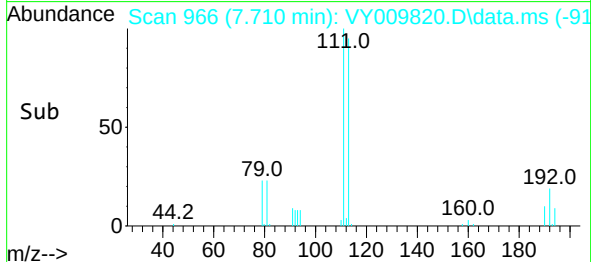
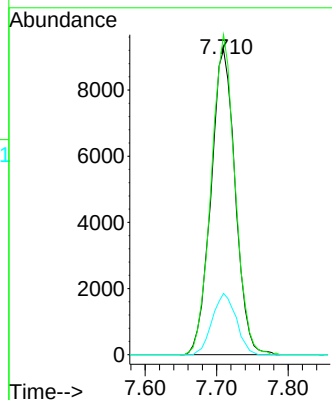
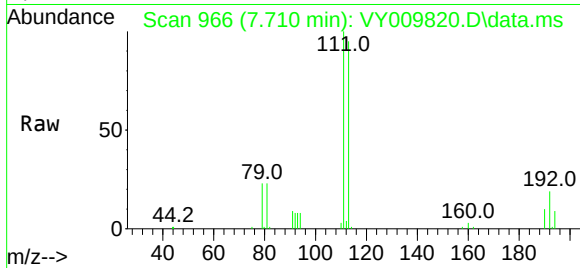




#35
Dibromofluoromethane
Concen: 40.316 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

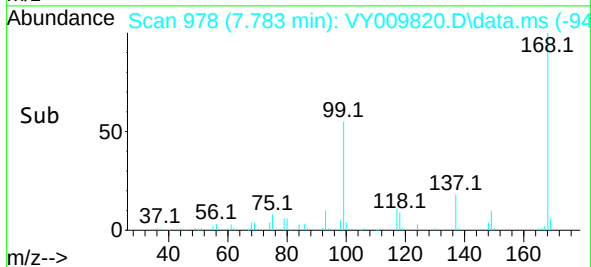
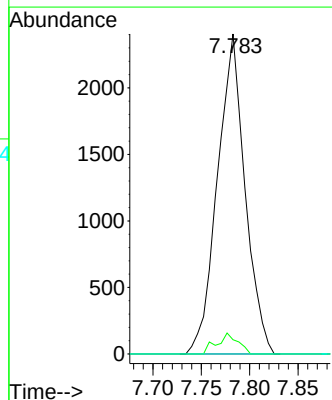
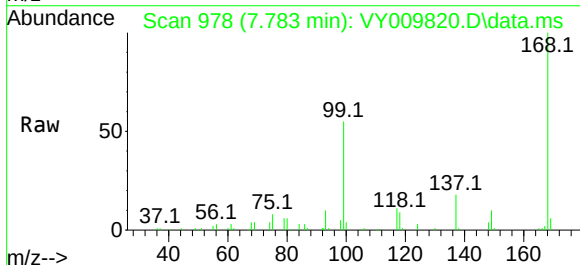
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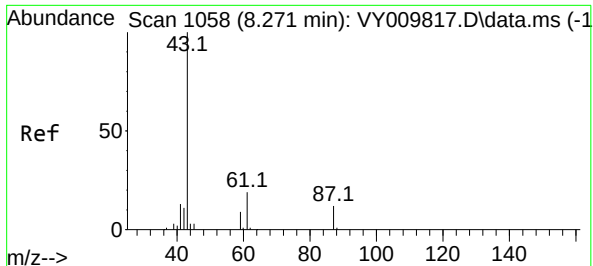
Tgt Ion:113 Resp: 21781
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 19.7 16.5 24.7



#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion:117 Resp: 4764
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 2.656 ug/l

RT: 8.112 min Scan# 1058

Delta R.T. -0.159 min

Lab File: VY009820.D

Acq: 03 Aug 2022 14:49

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

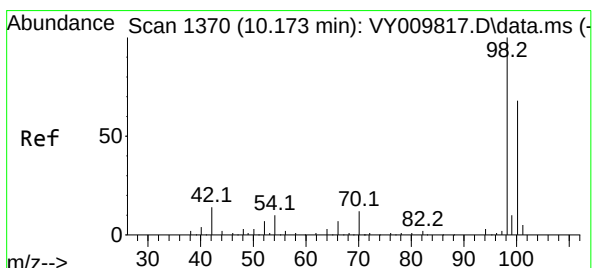
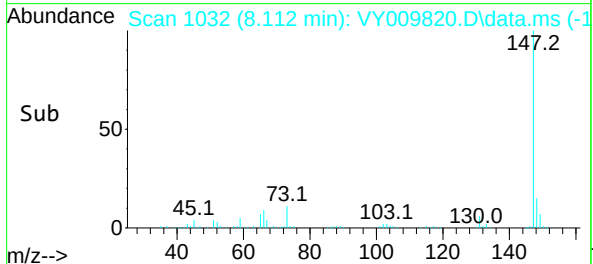
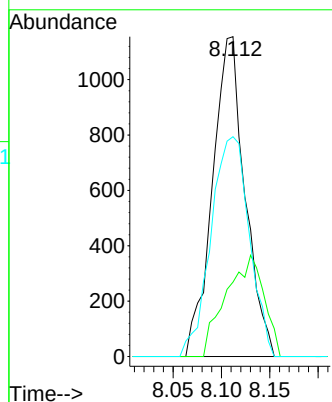
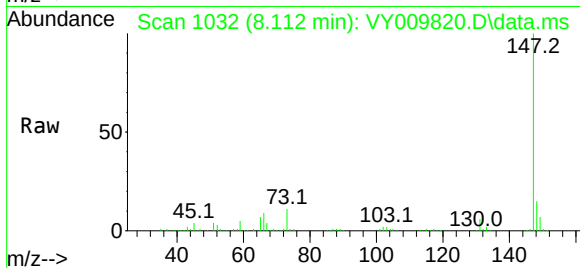
Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

61 36.9 21.4 32.0#

87 81.1 9.2 13.8#



#50

Toluene-d8

Concen: 49.553 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009820.D

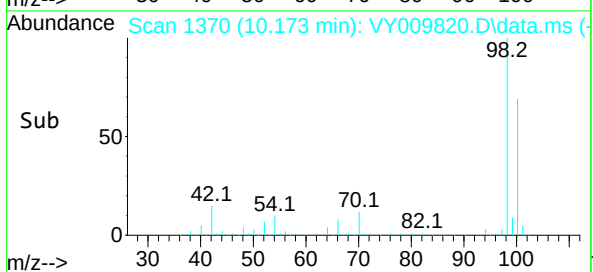
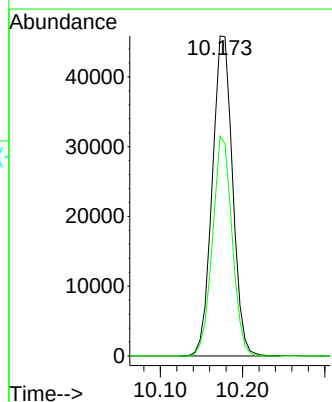
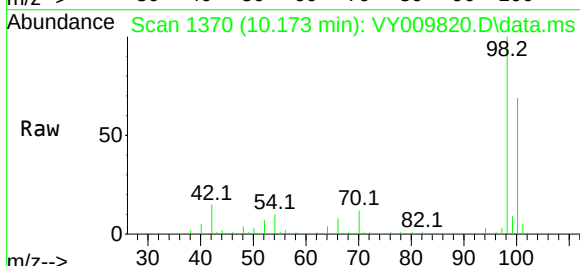
Acq: 03 Aug 2022 14:49

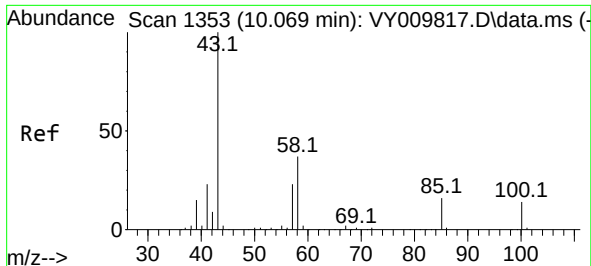
Tgt Ion: 98 Resp: 78693

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 1.093 ug/l

RT: 10.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009820.D

Acq: 03 Aug 2022 14:49

Instrument :

MSVOA_Y

ClientSampleId :

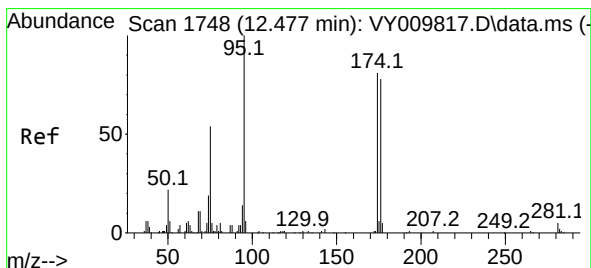
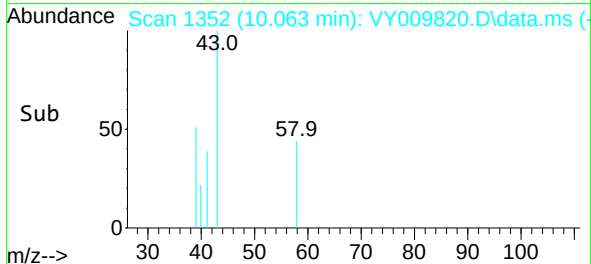
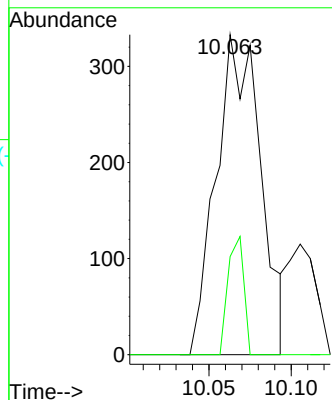
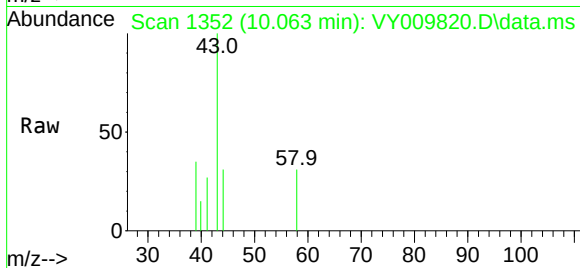
VIBLK

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

43 100

58 13.1 28.7 43.1#



#62

4-Bromofluorobenzene

Concen: 37.854 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY009820.D

Acq: 03 Aug 2022 14:49

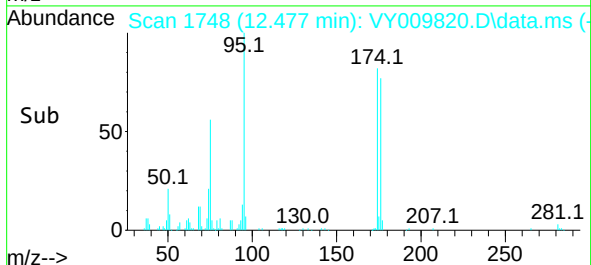
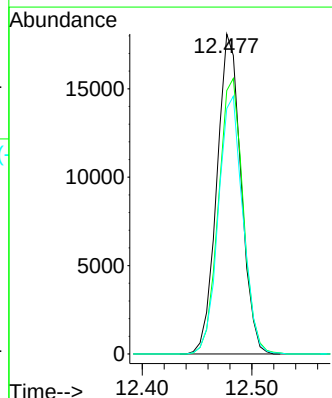
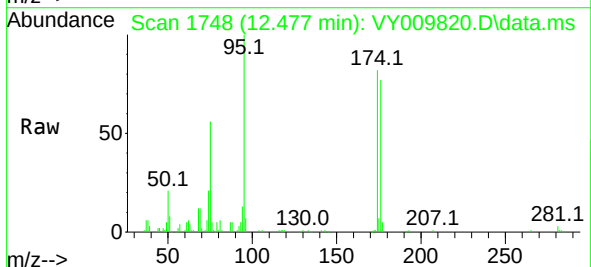
Tgt Ion: 95 Resp: 27693

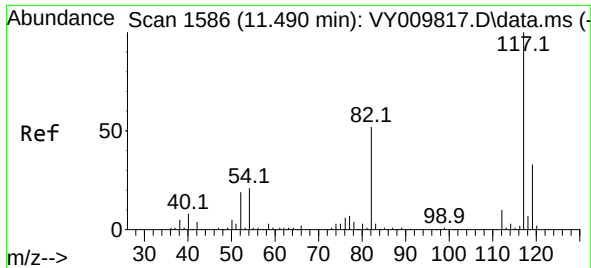
Ion Ratio Lower Upper

95 100

174 87.6 0.0 168.6

176 81.8 0.0 163.6

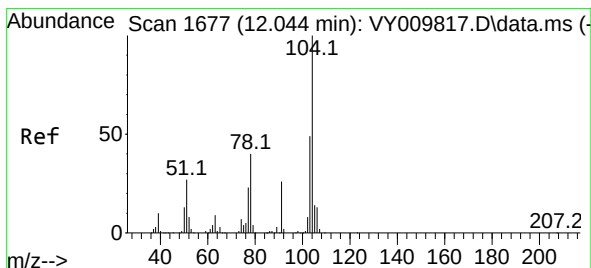
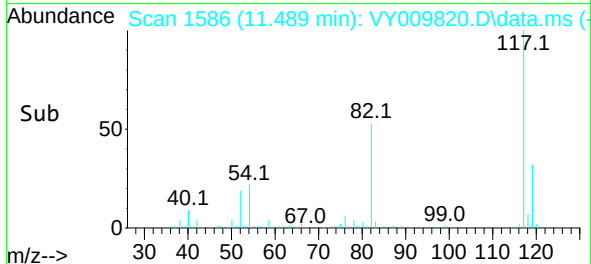
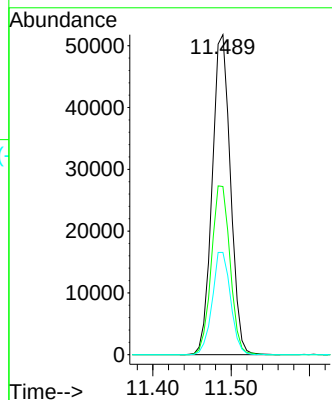
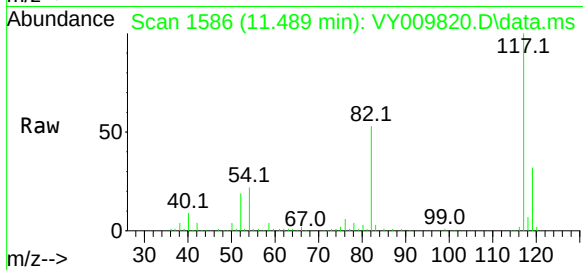




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

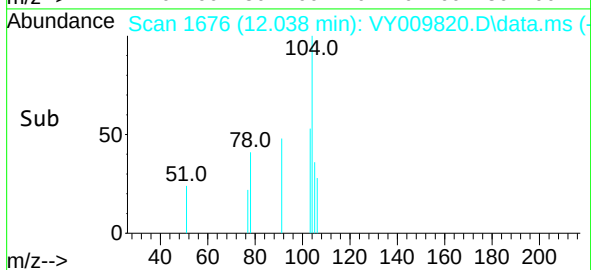
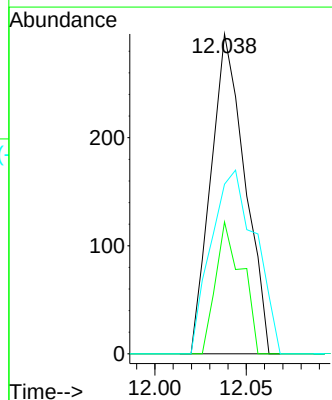
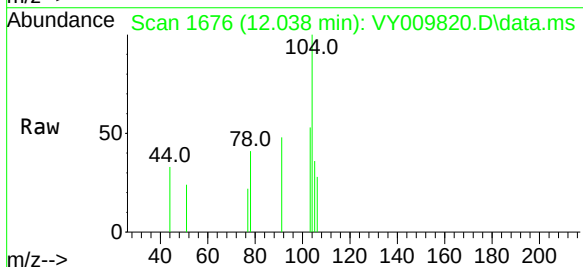
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

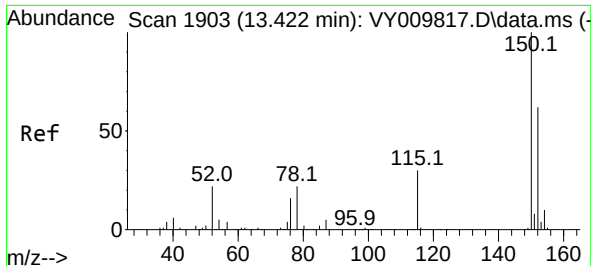
Tgt Ion:117 Resp: 83793
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 31.9 26.6 40.0



#70
Styrene
Concen: 1.153 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion:104 Resp: 383
Ion Ratio Lower Upper
104 100
78 31.9 37.4 56.0#
103 75.2 42.8 64.2#

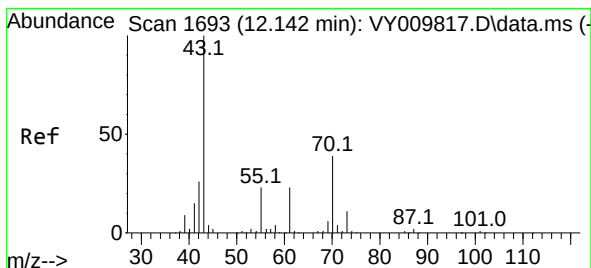
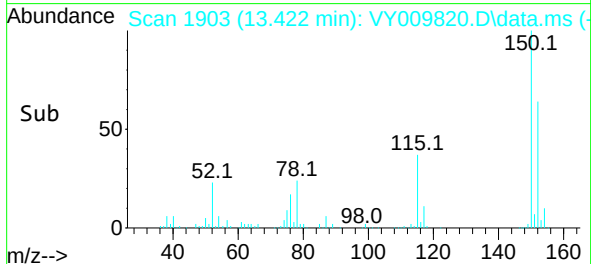
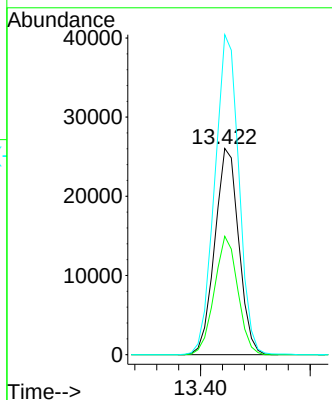
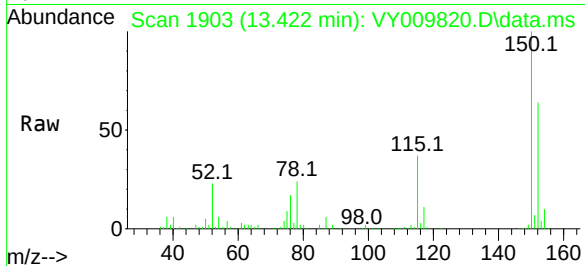




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009820.D
 Acq: 03 Aug 2022 14:49

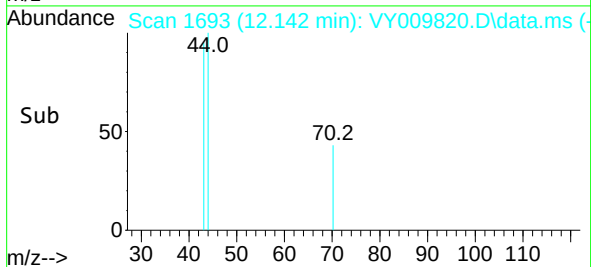
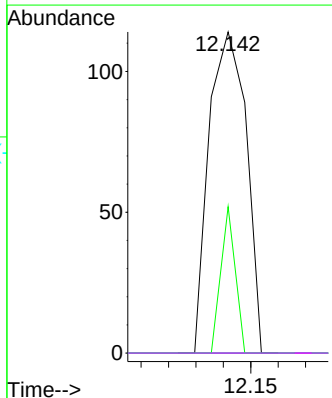
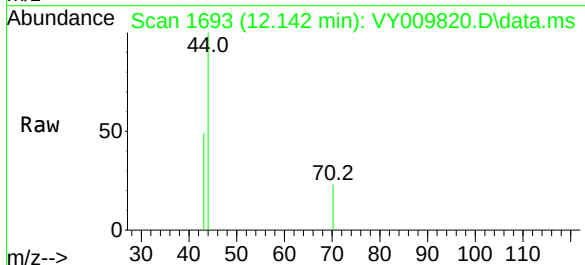
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

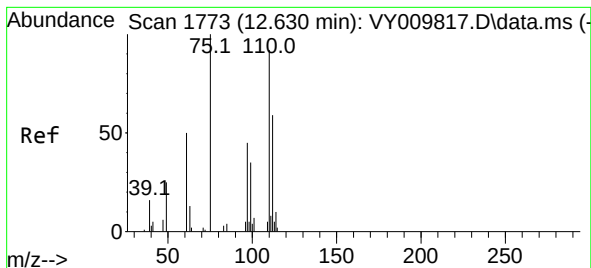
Tgt Ion:152 Resp: 39565
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 156.2 0.0 354.2



#74
 N-ethyl acetate
 Concen: 3.545 ug/l
 RT: 12.142 min Scan# 1693
 Delta R.T. -0.000 min
 Lab File: VY009820.D
 Acq: 03 Aug 2022 14:49

Tgt Ion: 43 Resp: 108
 Ion Ratio Lower Upper
 43 100
 70 17.6 31.4 47.0#
 55 0.0 19.0 28.4#
 61 0.0 17.8 26.6#

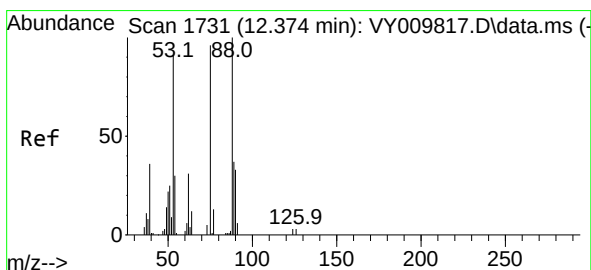
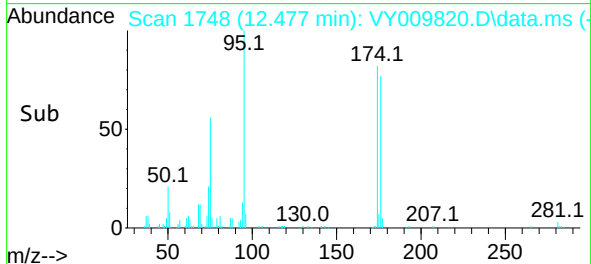
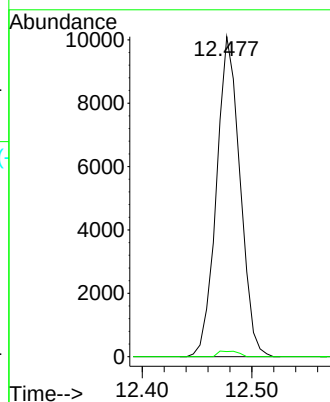
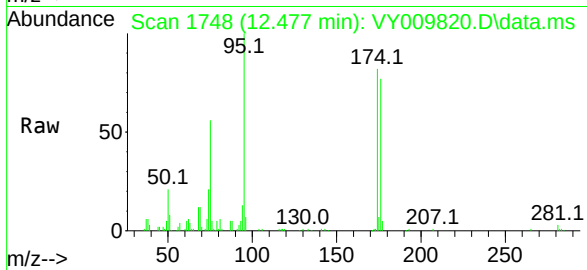




#76
1,2,3-Trichloropropane
Concen: 33.390 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

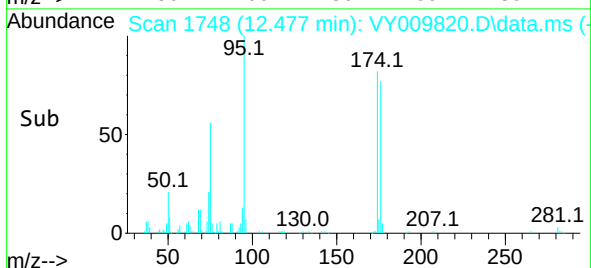
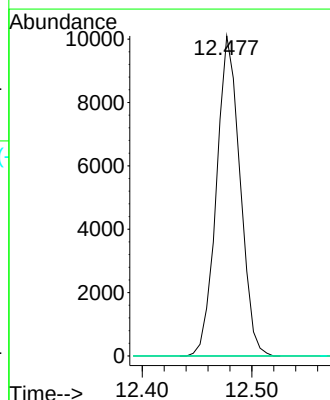
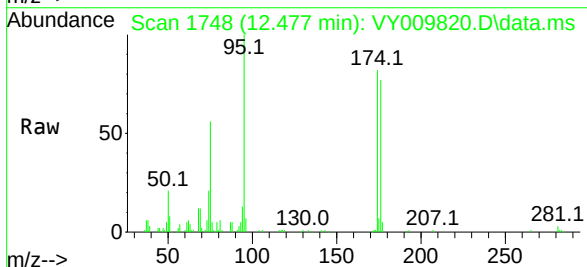
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

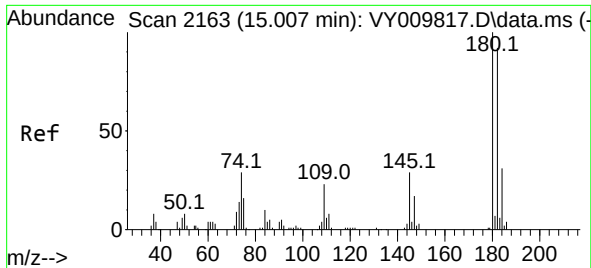
Tgt Ion: 75 Resp: 15112
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.662 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion: 75 Resp: 15112
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 35.3 52.9#

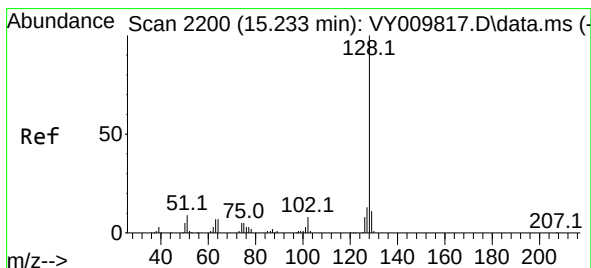
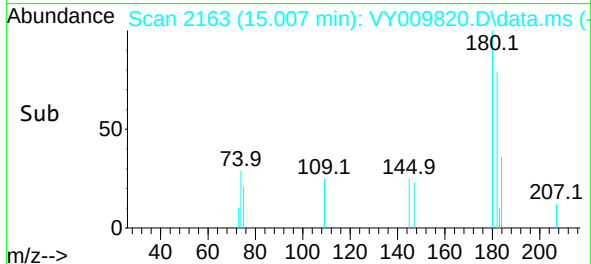
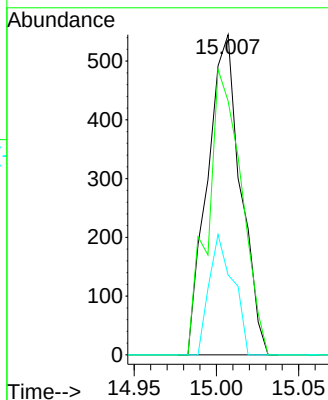
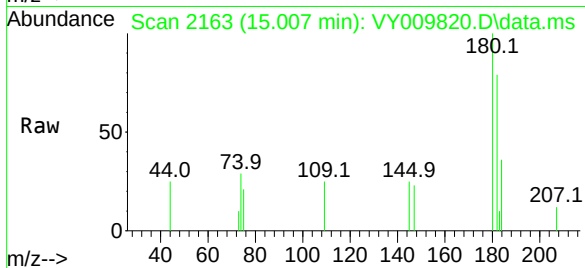




#93
1,2,4-Trichlorobenzene
Concen: 1.113 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

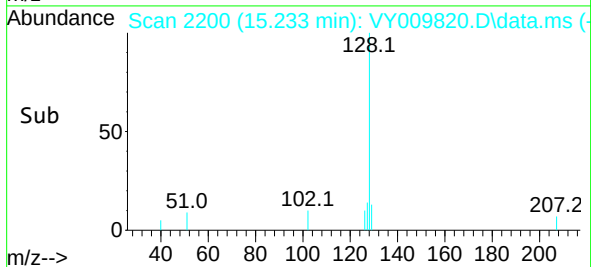
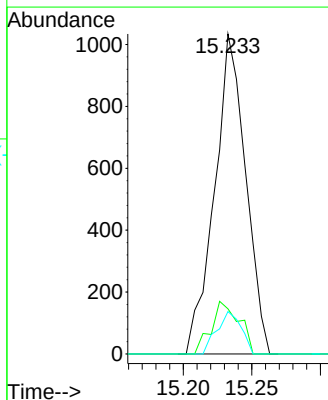
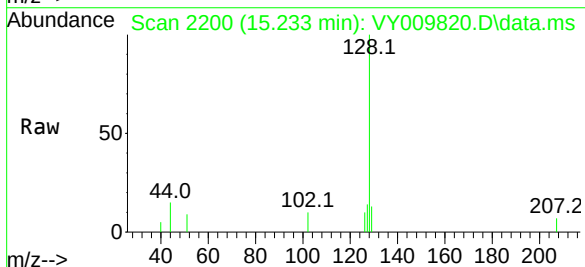
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

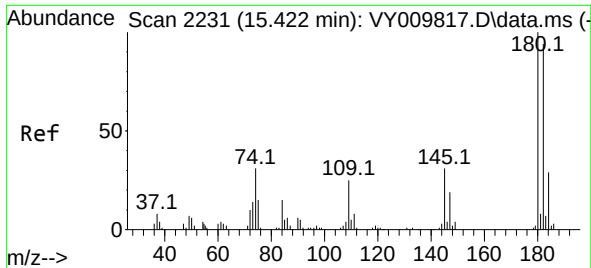
Tgt Ion:180	Resp:	766
Ion	Ratio	Lower Upper
180	100	
182	90.5	46.8 140.3
145	27.3	15.7 47.0



#95
Naphthalene
Concen: 6.346 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009820.D
Acq: 03 Aug 2022 14:49

Tgt Ion:128	Resp:	1632
Ion	Ratio	Lower Upper
128	100	
127	14.8	10.5 15.7
129	10.3	8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.240 ug/l

RT: 15.422 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009820.D

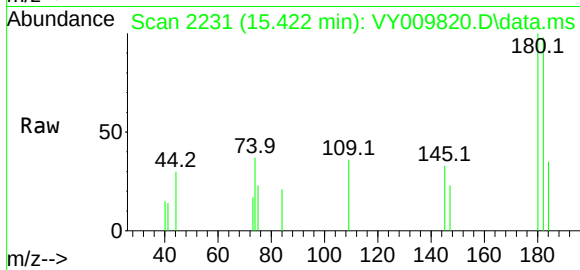
Acq: 03 Aug 2022 14:49

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 755

Ion Ratio Lower Upper

180 100

182 103.6 47.2 141.6

145 24.4 15.2 45.6

