

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009969.D
 Acq On : 11 Aug 2022 17:19
 Operator : KP/MD
 Sample : N4084-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

Quant Time: Aug 12 02:49:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

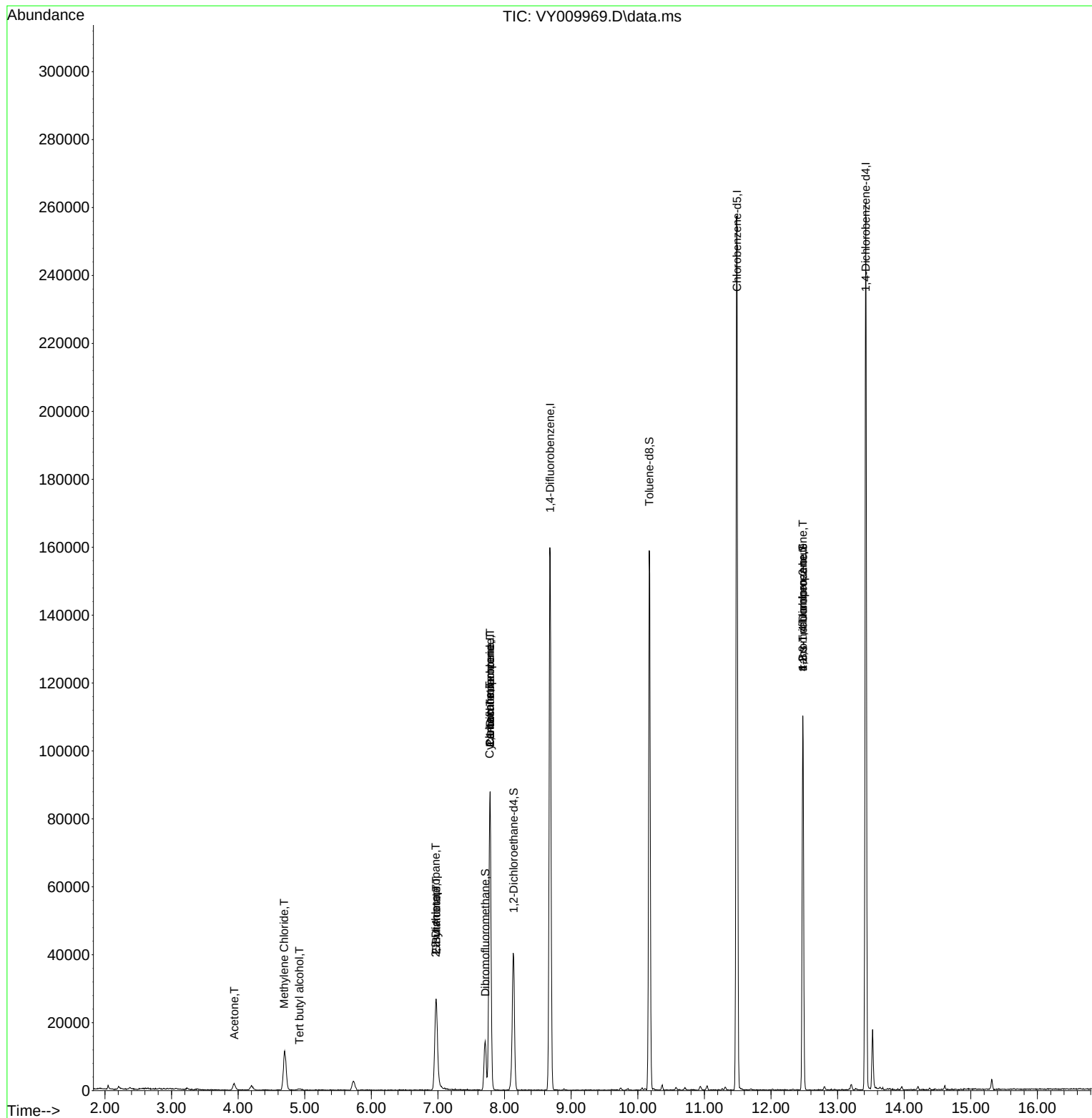
Internal Standards						
1) Pentafluorobenzene	7.783	168	66002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	135848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	29068	57.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.940%
35) Dibromofluoromethane	7.710	113	10788	13.802	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	27.600%#
50) Toluene-d8	10.173	98	100503	43.175	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.360%
62) 4-Bromofluorobenzene	12.477	95	32772	29.824	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	59.640%
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	59	Below Cal	#	42
5) Bromomethane	2.650	94	54	Below Cal	#	3
11) Tert butyl alcohol	4.918	59	260	4.033	ug/l #	78
16) Acetone	3.942	43	3514	21.163	ug/l	97
18) Methyl Acetate	4.204	43	406	Below Cal	#	52
20) Methylene Chloride	4.692	84	8305	6.430	ug/l	98
25) 2-Butanone	6.972	43	1645	5.789	ug/l #	84
26) 2,2-Dichloropropane	6.966	77	1961	1.719	ug/l #	52
31) Cyclohexane	7.777	56	1636	1.158	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	5772	4.242	ug/l #	48
37) Ethyl Acetate	6.972	43	1645	2.070	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6581	5.050	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	17073	25.303	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17073	49.254	ug/l #	13

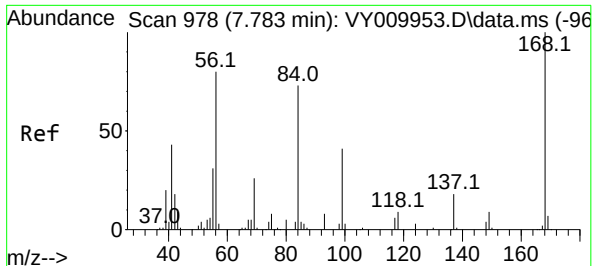
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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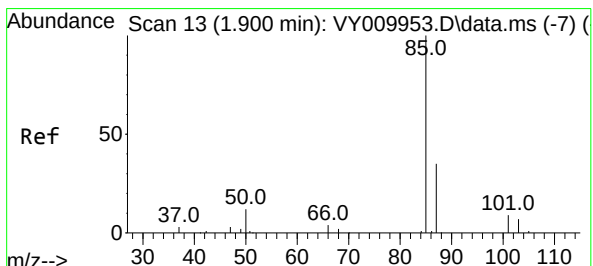
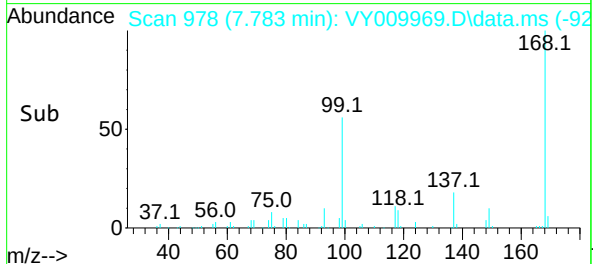
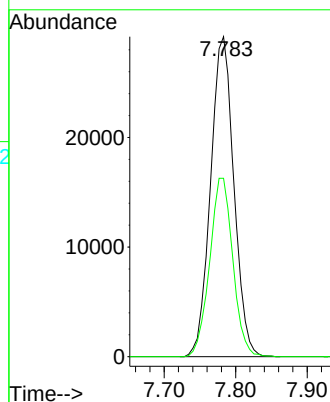
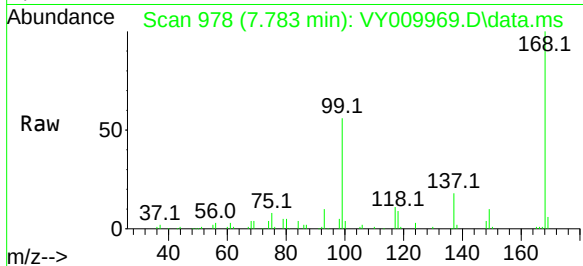




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

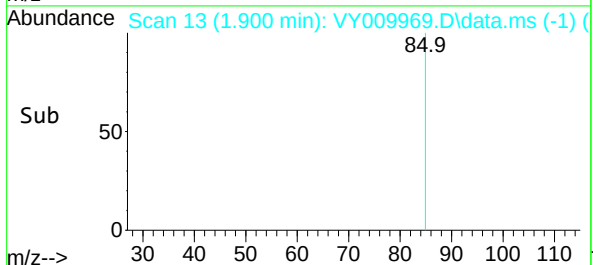
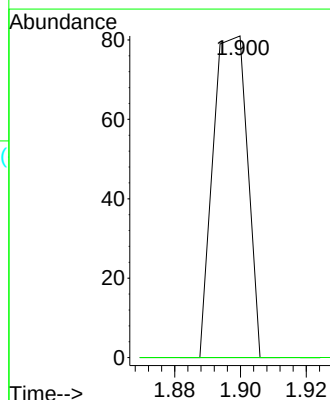
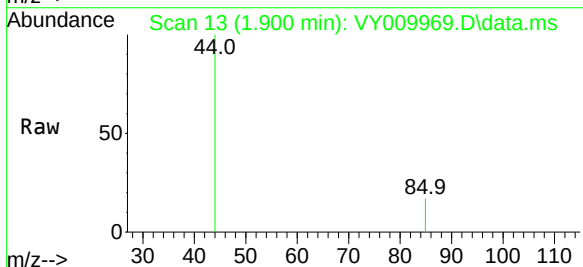
Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

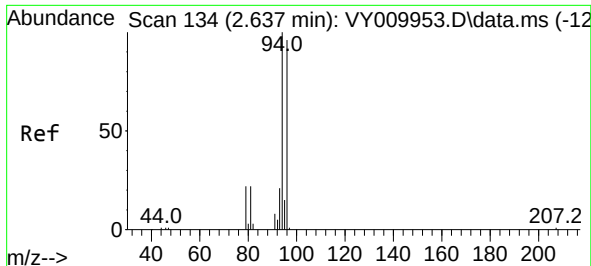
Tgt Ion:168 Resp: 66002
Ion Ratio Lower Upper
168 100
99 55.7 42.1 63.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

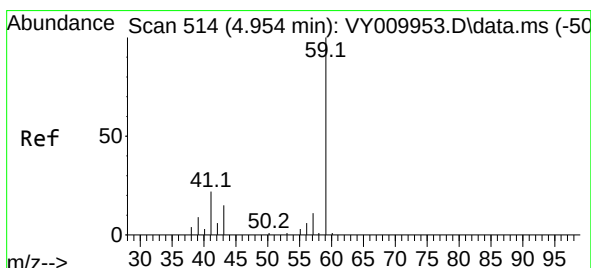
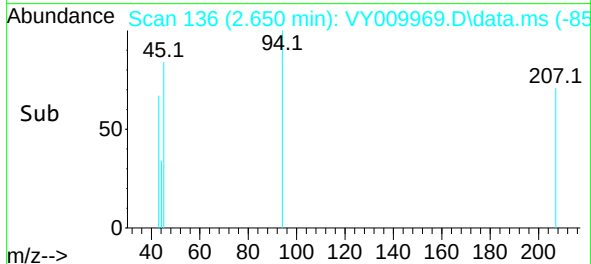
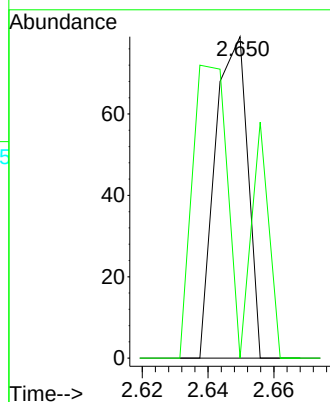
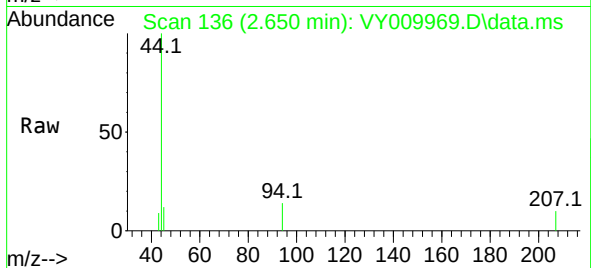




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

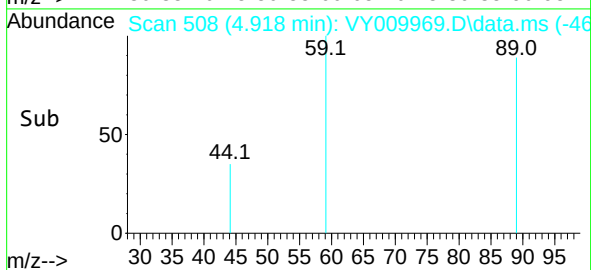
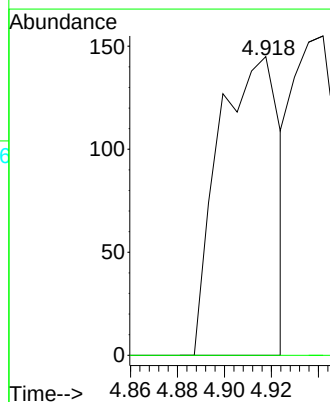
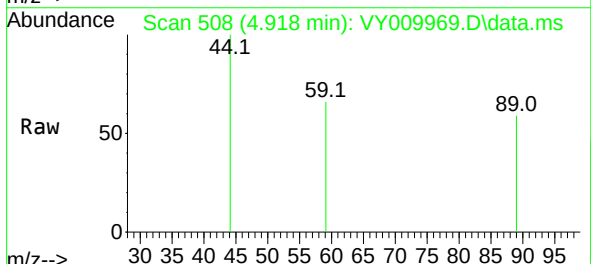
Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

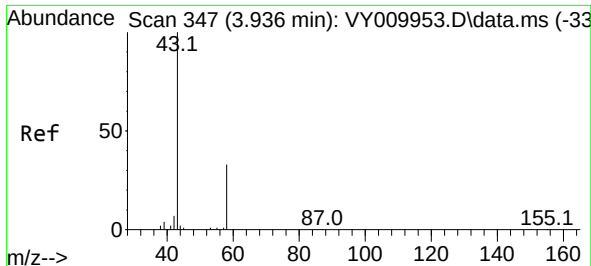
Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#11
Tert butyl alcohol
Concen: 4.033 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#





#16

Acetone

Concen: 21.163 ug/l

RT: 3.942 min Scan# 347

Delta R.T. 0.006 min

Lab File: VY009969.D

Acq: 11 Aug 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

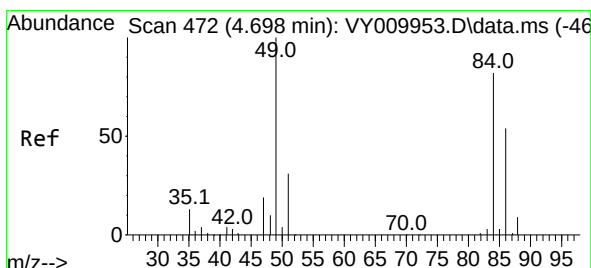
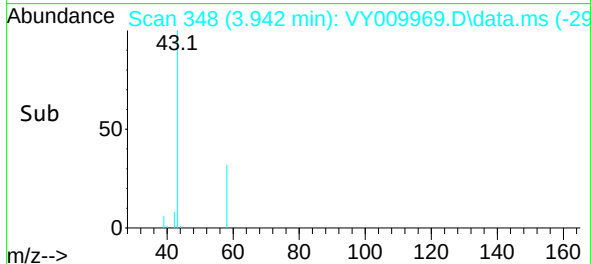
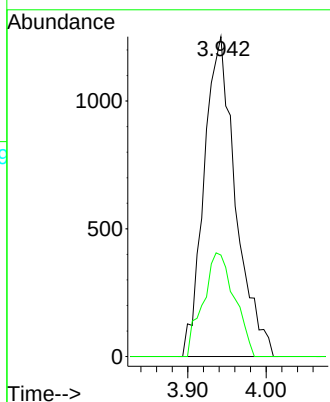
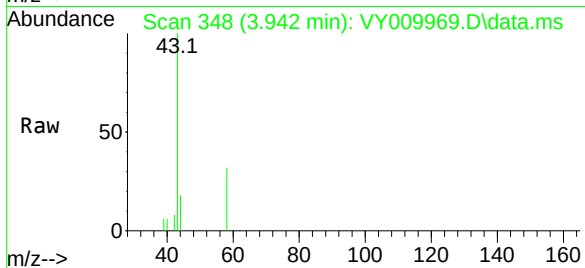
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

Tgt Ion: 43 Resp: 3514

Ion Ratio Lower Upper

43 100

58 31.7 24.0 36.0



#20

Methylene Chloride

Concen: 6.430 ug/l

RT: 4.692 min Scan# 471

Delta R.T. -0.006 min

Lab File: VY009969.D

Acq: 11 Aug 2022 17:19

Tgt Ion: 84 Resp: 8305

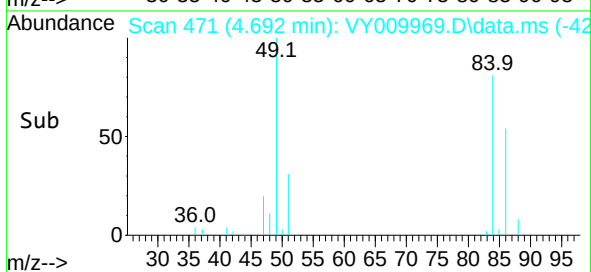
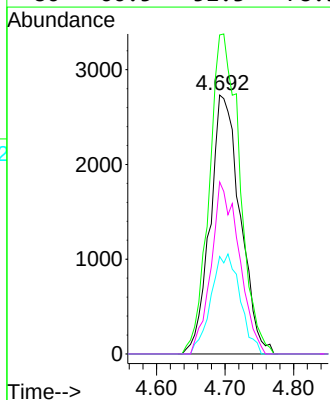
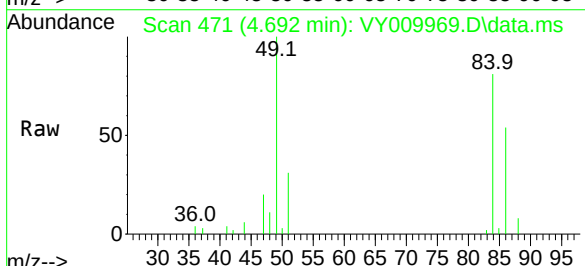
Ion Ratio Lower Upper

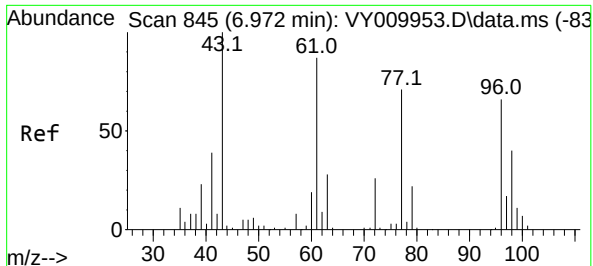
84 100

49 123.2 98.2 147.4

51 37.7 33.4 50.0

86 66.5 52.3 78.5





#25

2-Butanone

Concen: 5.789 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009969.D

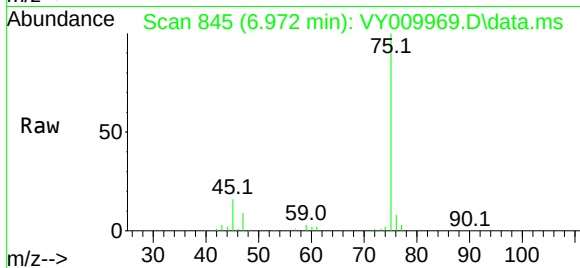
Acq: 11 Aug 2022 17:19

Instrument :

MSVOA_Y

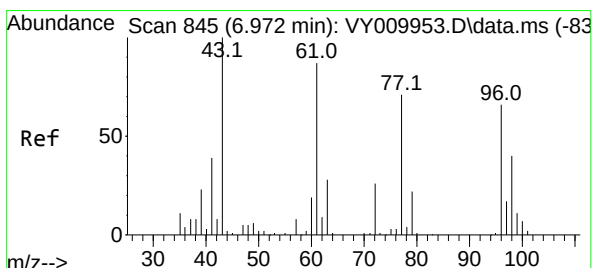
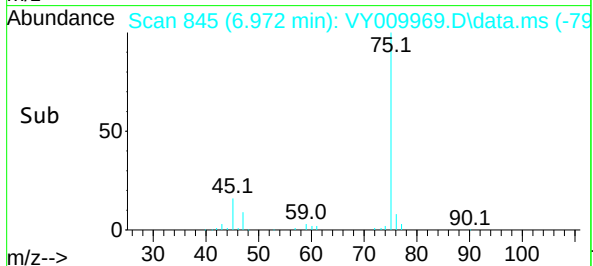
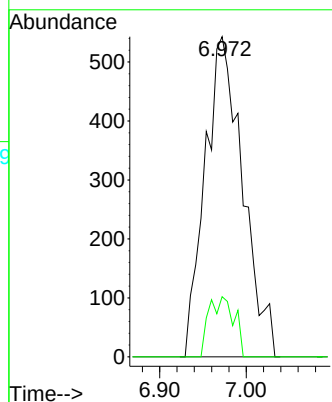
ClientSampleId :

RECOVERED-CRUSHED-AGGREGATE-PILE-ARE



Tgt Ion: 43 Resp: 1645

Ion	Ratio	Lower	Upper
43	100		
72	18.8	21.5	32.3



#26

2,2-Dichloropropane

Concen: 1.719 ug/l

RT: 6.966 min Scan# 844

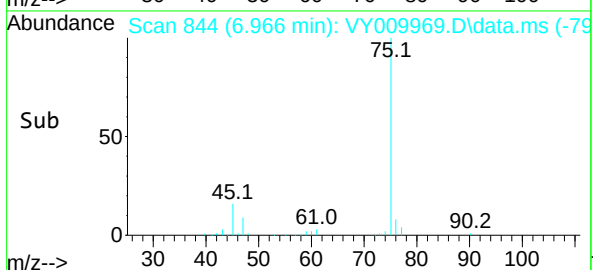
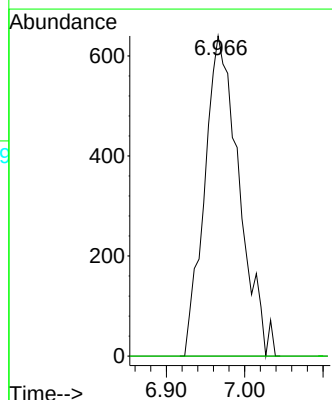
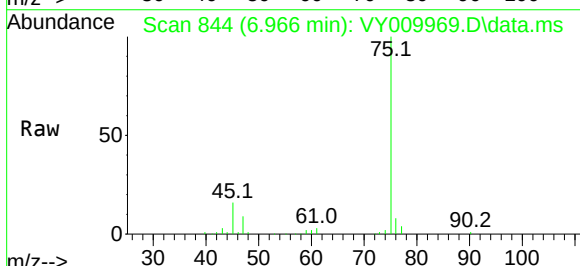
Delta R.T. -0.006 min

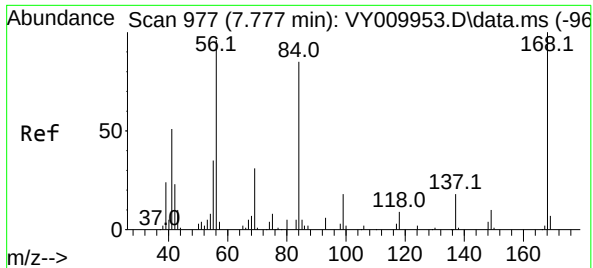
Lab File: VY009969.D

Acq: 11 Aug 2022 17:19

Tgt Ion: 77 Resp: 1961

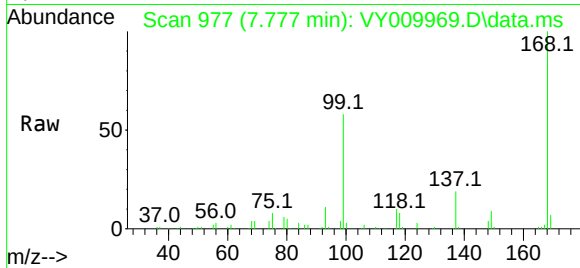
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.7	35.0



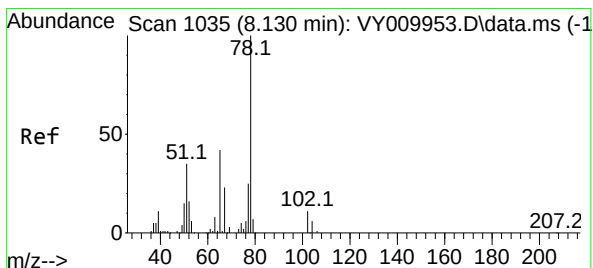
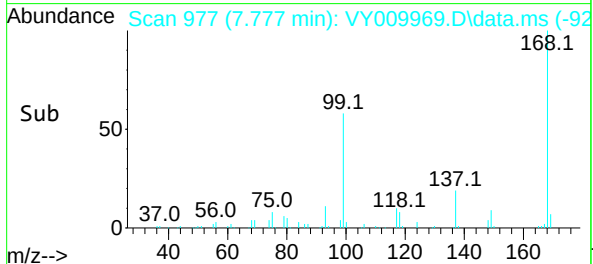
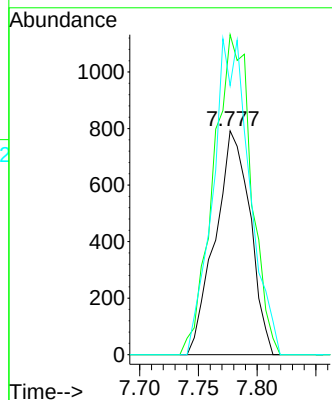


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

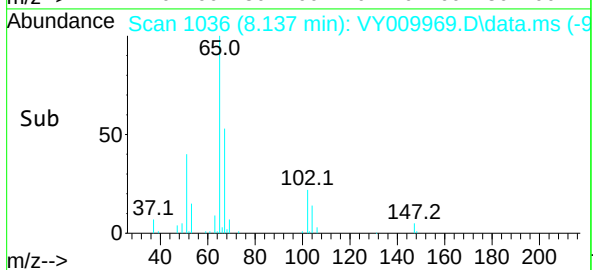
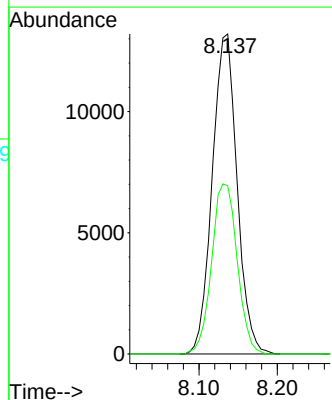
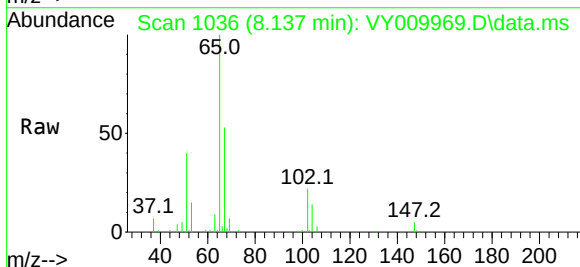


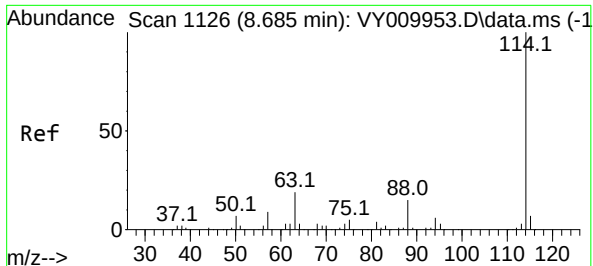
Tgt Ion: 56 Resp: 1636
Ion Ratio Lower Upper
56 100
69 142.9 26.0 39.0#
84 120.2 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 57.472 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Tgt Ion: 65 Resp: 29068
Ion Ratio Lower Upper
65 100
67 54.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009969.D

Acq: 11 Aug 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

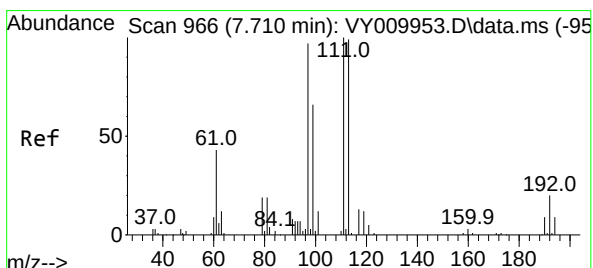
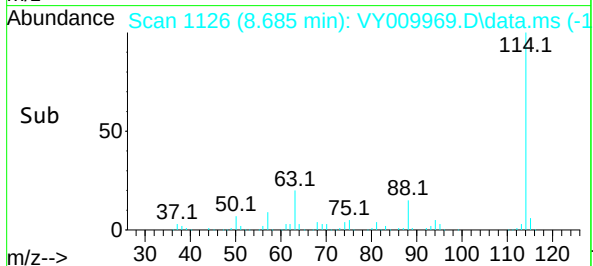
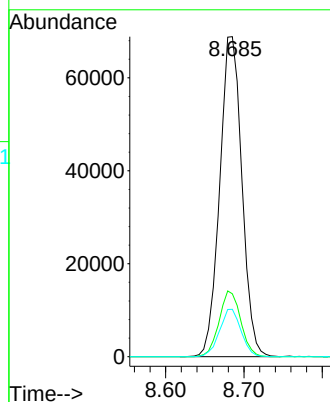
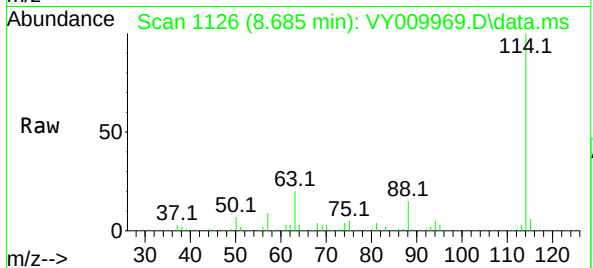
Tgt Ion:114 Resp: 135848

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 13.802 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009969.D

Acq: 11 Aug 2022 17:19

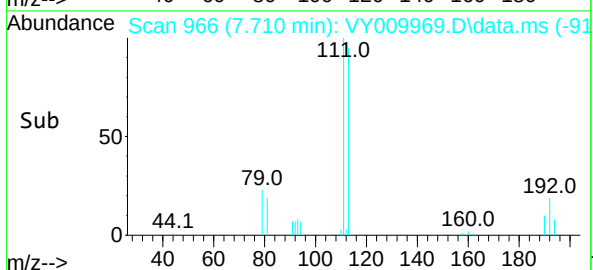
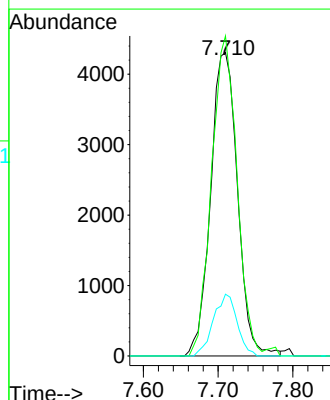
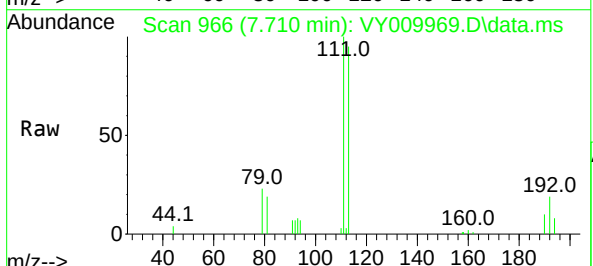
Tgt Ion:113 Resp: 10788

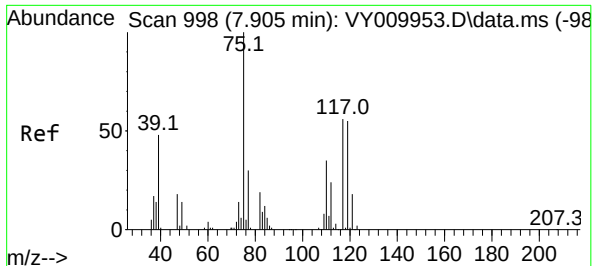
Ion Ratio Lower Upper

113 100

111 99.5 80.6 120.8

192 17.9 16.2 24.4

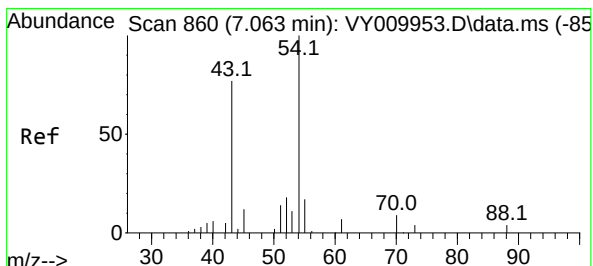
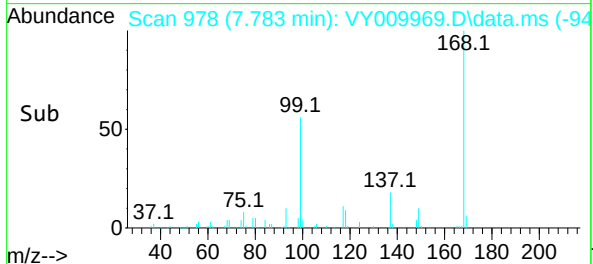
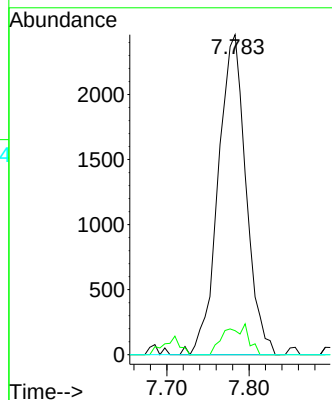
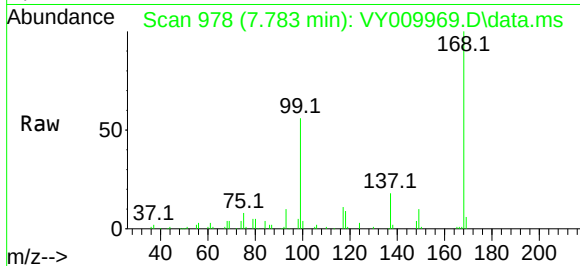




#36
1,1-Dichloropropene
Concen: 4.242 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

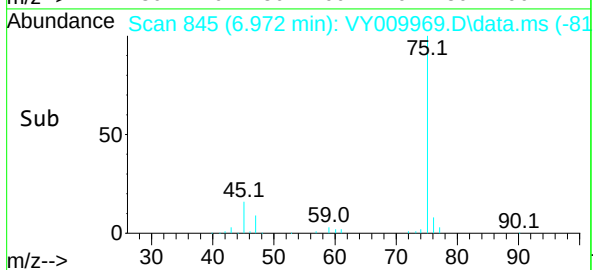
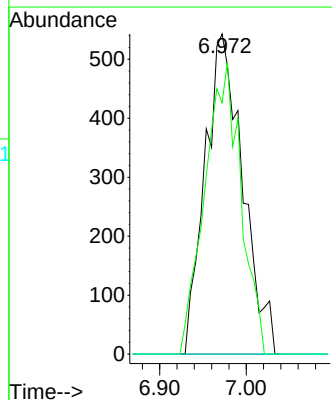
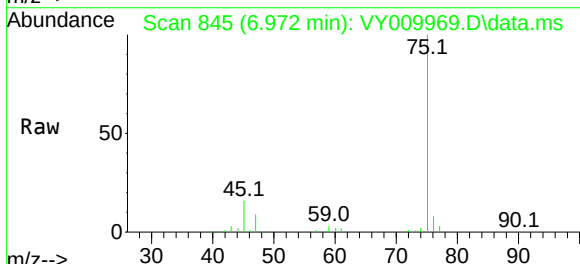
Instrument : MSVOA_Y
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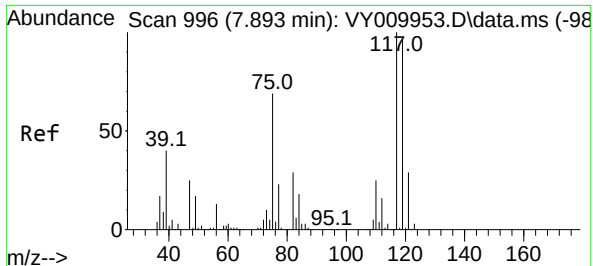
Tgt Ion: 75 Resp: 5772
Ion Ratio Lower Upper
75 100
110 8.2 18.6 56.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.070 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

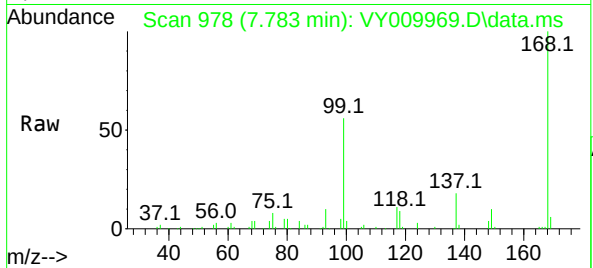
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
61 86.8 11.2 16.8#
70 0.0 8.4 12.6#



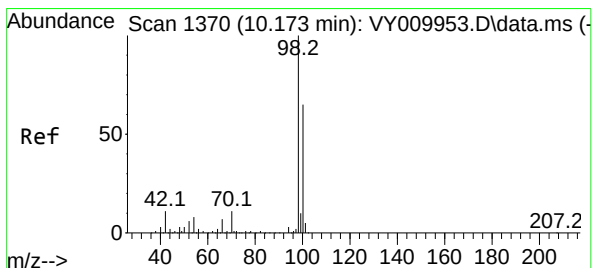
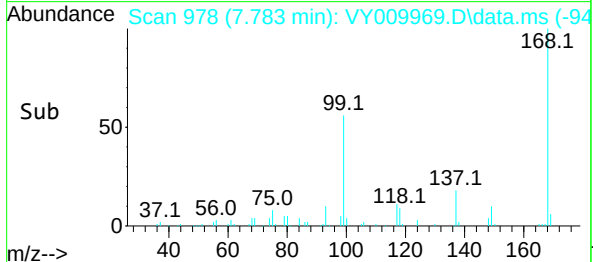
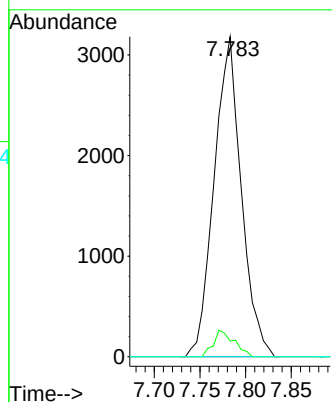


#38
Carbon Tetrachloride
Concen: 5.050 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

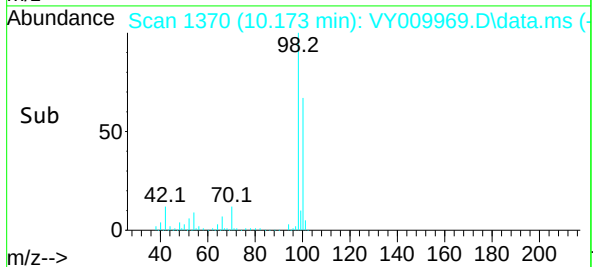
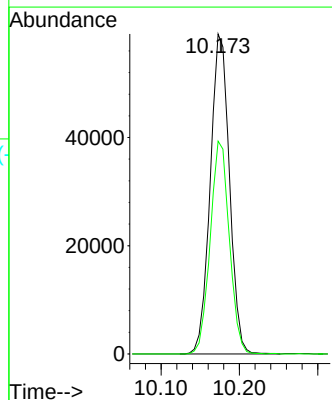
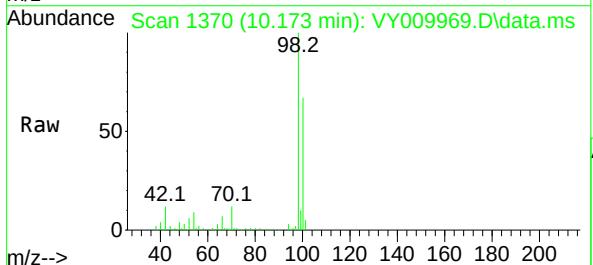


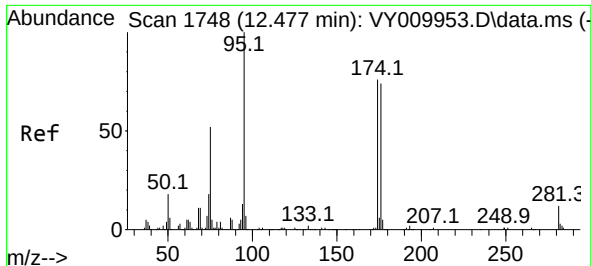
Tgt Ion:117 Resp: 6581
Ion Ratio Lower Upper
117 100
119 4.9 75.9 113.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 43.175 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Tgt Ion: 98 Resp: 100503
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3

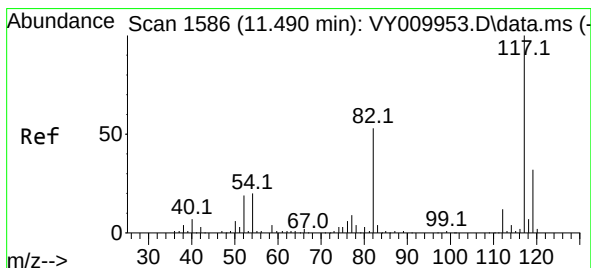
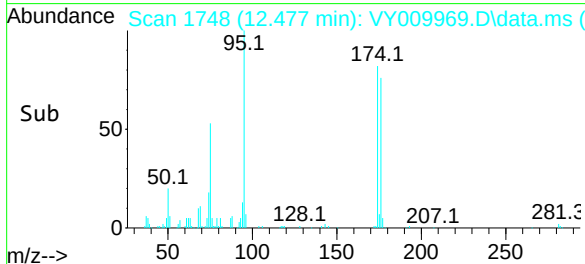
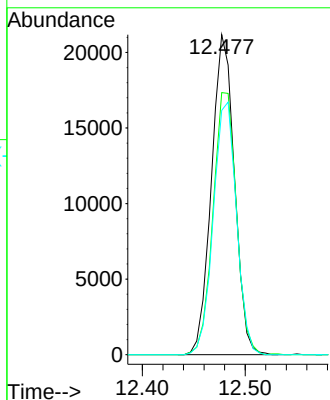
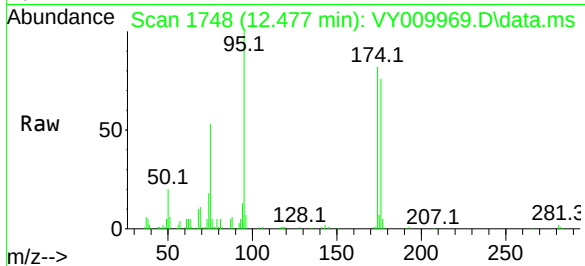




#62
4-Bromofluorobenzene
Concen: 29.824 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

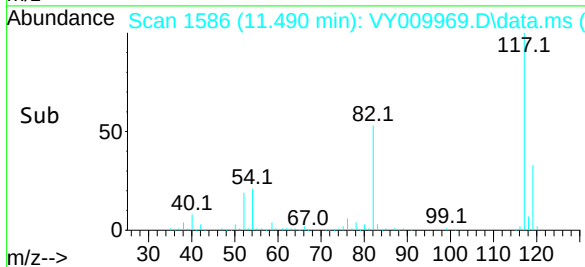
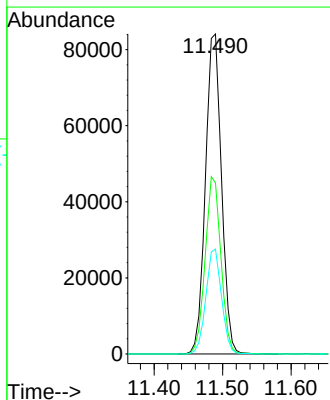
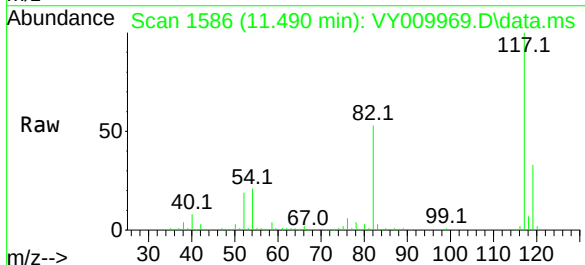
Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

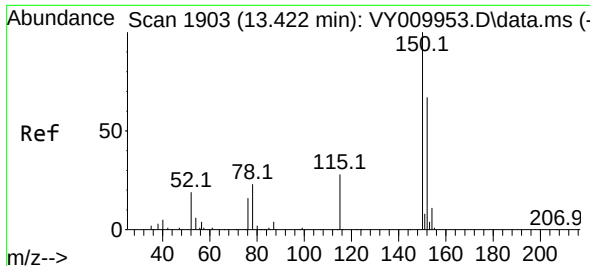
Tgt Ion: 95 Resp: 32772
Ion Ratio Lower Upper
95 100
174 83.4 0.0 173.8
176 79.7 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009969.D
Acq: 11 Aug 2022 17:19

Tgt Ion: 117 Resp: 137153
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.6
119 32.8 25.6 38.4

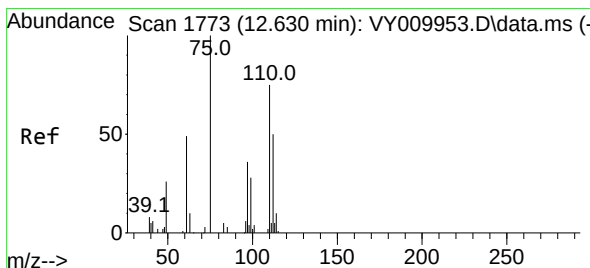
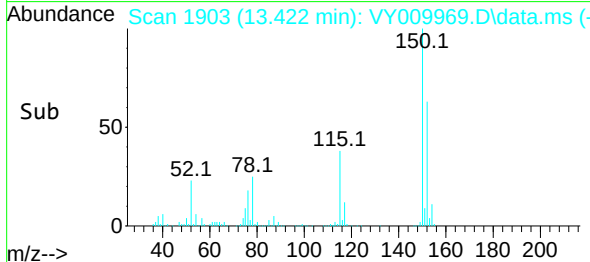
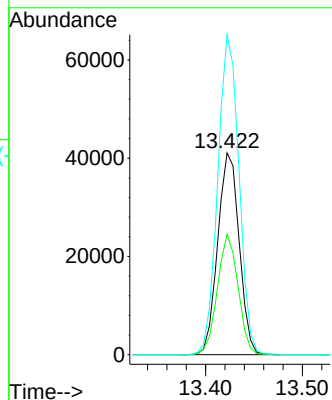
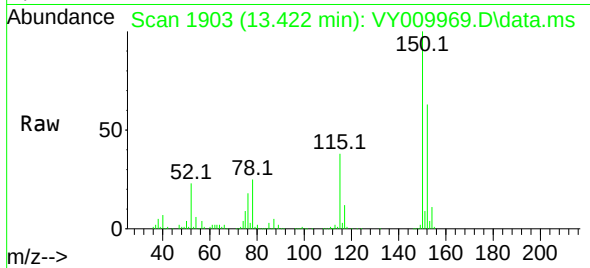




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009969.D
 Acq: 11 Aug 2022 17:19

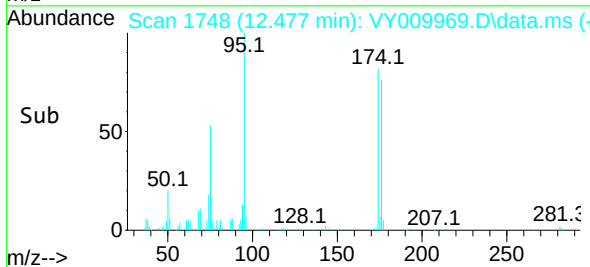
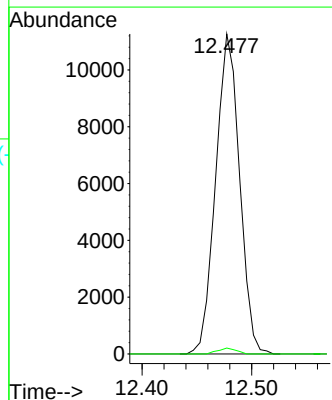
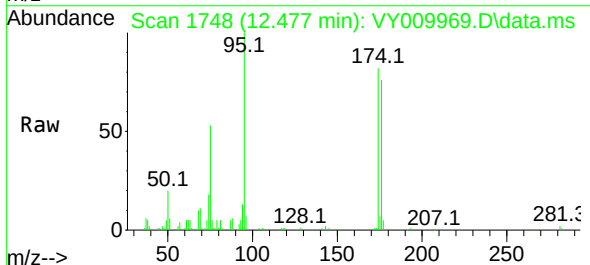
Instrument : MSVOA_Y
 ClientSampleId : RECOVERED-CRUSHED-AGGREGATE-PILE-ARE

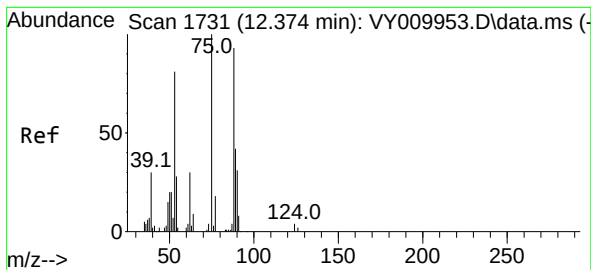
Tgt Ion:152 Resp: 63203
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.6 85.9
 150 156.8 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 25.303 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009969.D
 Acq: 11 Aug 2022 17:19

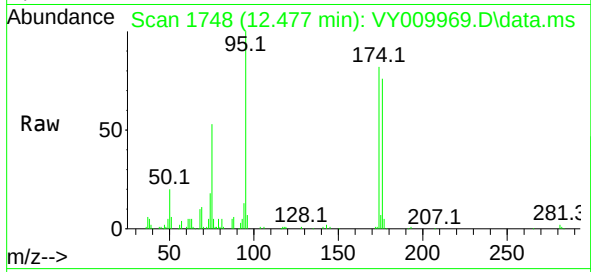
Tgt Ion: 75 Resp: 17073
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.254 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009969.D
 Acq: 11 Aug 2022 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 RECOVERED-CRUSHED-AGGREGATE-PILE-ARE



Tgt Ion: 75 Resp: 17073
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 38.1 57.1#

