

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009972.D
 Acq On : 11 Aug 2022 18:31
 Operator : KP/MD
 Sample : N4064-03RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-18RE

Quant Time: Aug 12 02:50:18 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)

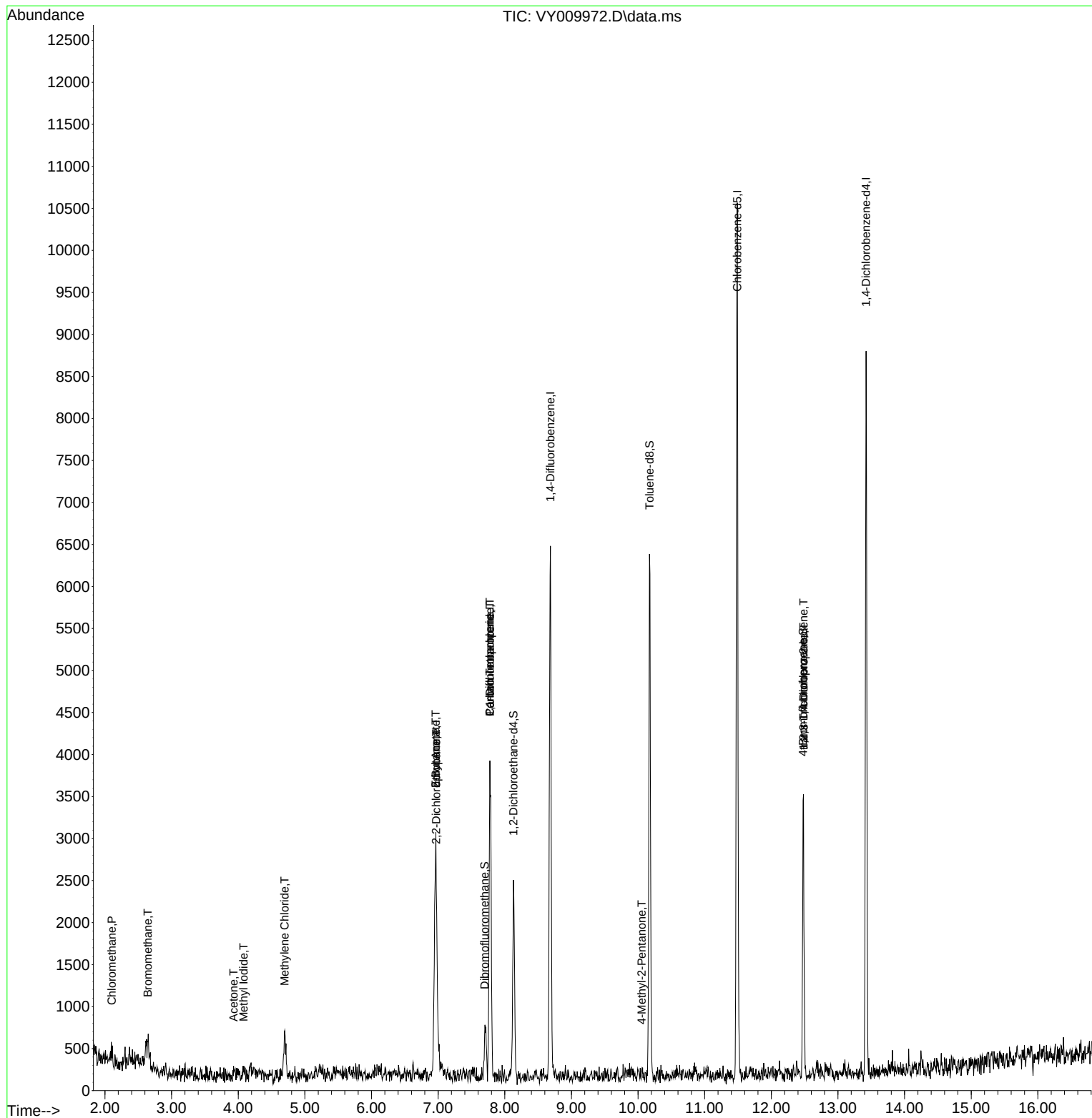
Internal Standards						
1) Pentafluorobenzene	7.777	168	3272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	5787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1744	70.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.780%	
35) Dibromofluoromethane	7.697	113	587	17.629	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 35.260%#	
50) Toluene-d8	10.173	98	4342	43.890	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.780%	
62) 4-Bromofluorobenzene	12.477	95	1203	25.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 51.400%	
Target Compounds						
						Qvalue
3) Chloromethane	2.101	50	190	6.554	ug/l #	40
5) Bromomethane	2.643	94	121	1.705	ug/l #	74
10) Methyl Iodide	4.082	142	153	3.489	ug/l #	40
16) Acetone	3.930	43	102	12.391	ug/l #	45
18) Methyl Acetate	4.198	43	19	Below Cal	#	52
20) Methylene Chloride	4.698	84	372	5.431	ug/l #	75
25) 2-Butanone	6.966	43	63	4.472	ug/l #	48
26) 2,2-Dichloropropane	6.972	77	78	1.379	ug/l #	52
36) 1,1-Dichloropropene	7.777	75	214	3.692	ug/l #	40
37) Ethyl Acetate	6.966	43	63	1.861	ug/l #	1
38) Carbon Tetrachloride	7.777	117	318	5.728	ug/l #	12
51) 4-Methyl-2-Pentanone	10.057	43	68	2.078	ug/l #	36
76) 1,2,3-Trichloropropane	12.483	75	619	25.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	619	50.386	ug/l #	13

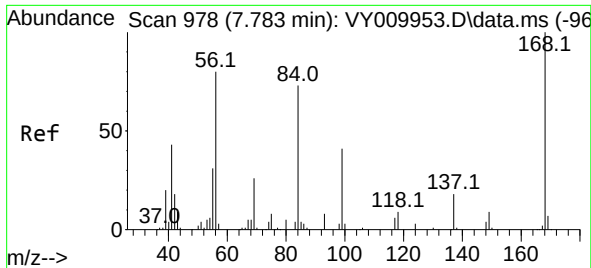
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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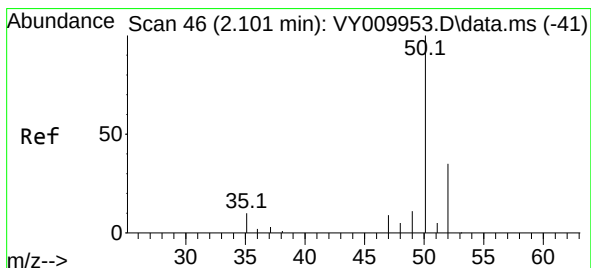
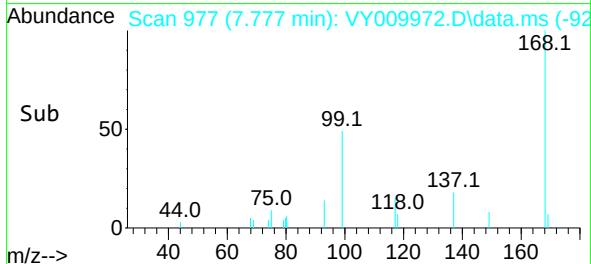
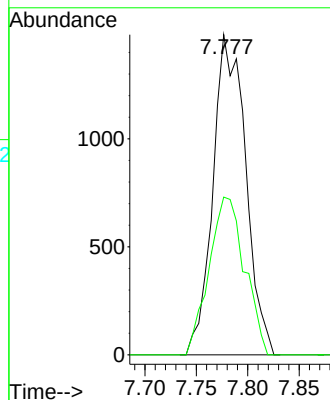
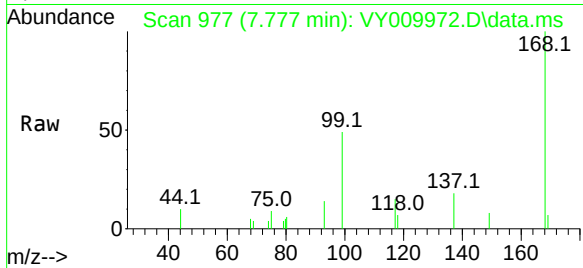




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

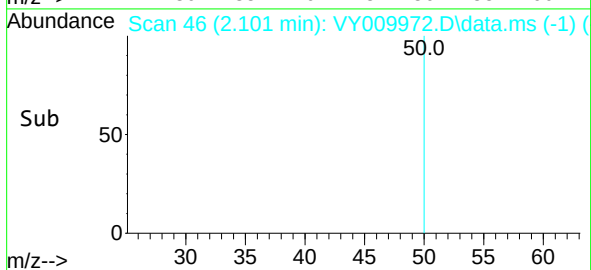
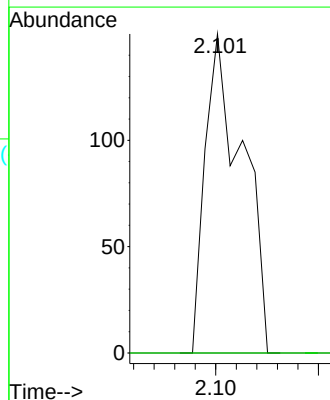
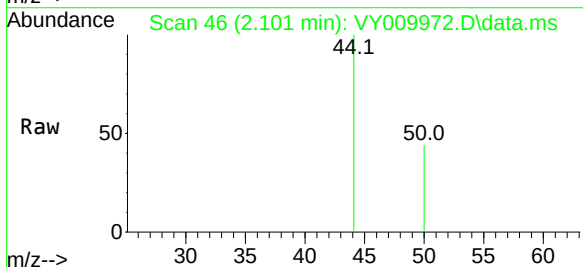
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

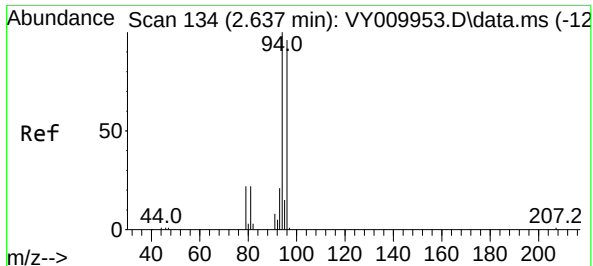
Tgt Ion:168 Resp: 3272
Ion Ratio Lower Upper
168 100
99 49.3 42.1 63.1



#3
Chloromethane
Concen: 6.554 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.000 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion: 50 Resp: 190
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

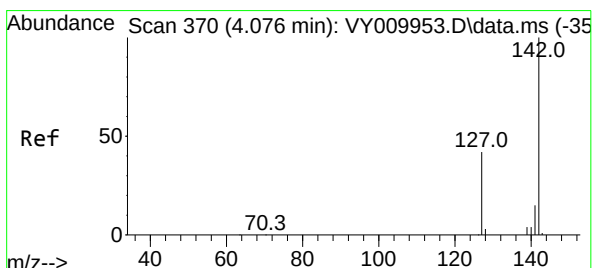
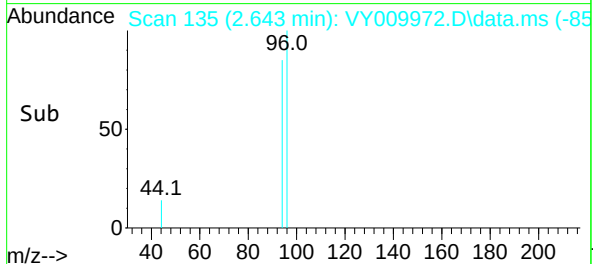
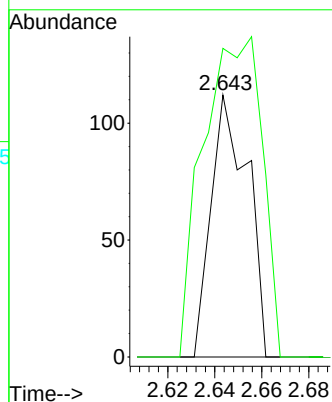
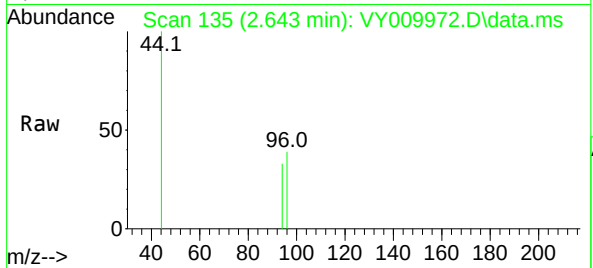




#5
Bromomethane
Concen: 1.705 ug/l
RT: 2.643 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

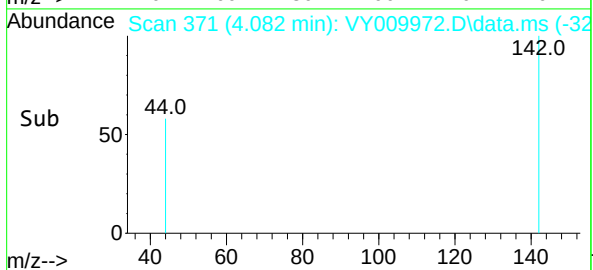
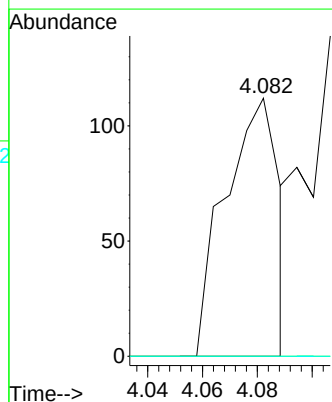
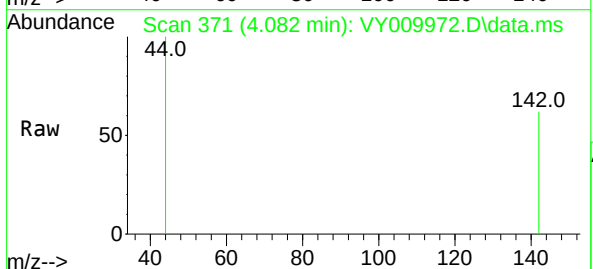
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

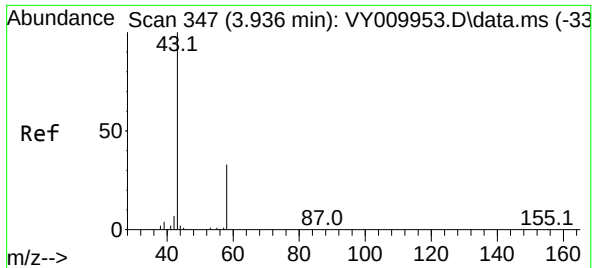
Tgt Ion: 94 Resp: 121
Ion Ratio Lower Upper
94 100
96 117.9 74.6 111.8#



#10
Methyl Iodide
Concen: 3.489 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion:142 Resp: 153
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.4 17.2#

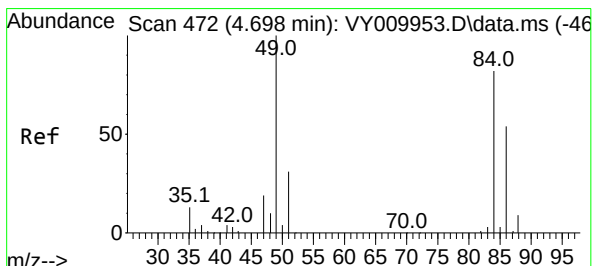
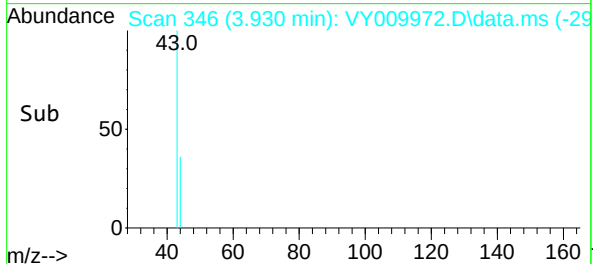
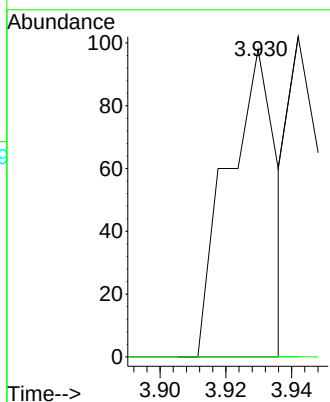
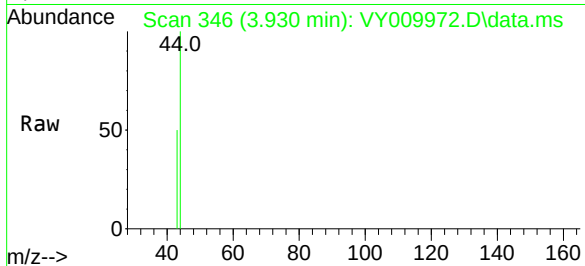




#16
Acetone
Concen: 12.391 ug/l
RT: 3.930 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

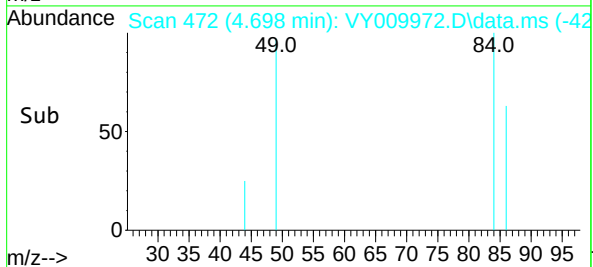
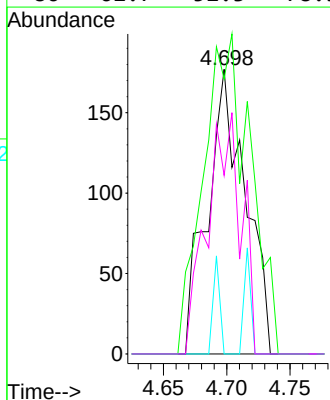
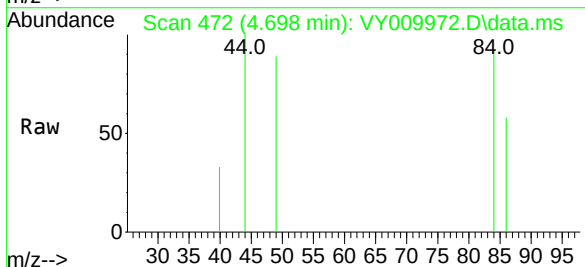
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

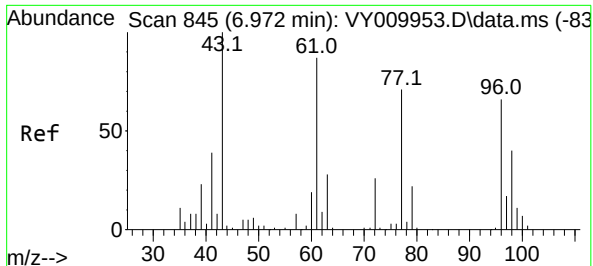
Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 5.431 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.000 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion: 84 Resp: 372
Ion Ratio Lower Upper
84 100
49 96.6 98.2 147.4#
51 0.0 33.4 50.0#
86 62.7 52.3 78.5





#25

2-Butanone

Concen: 4.472 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009972.D

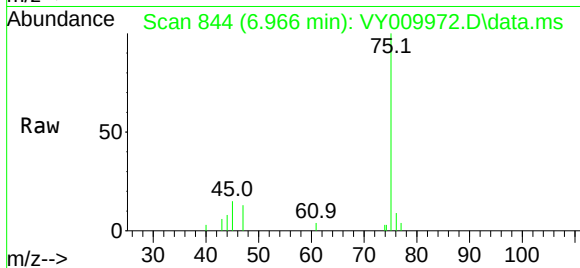
Acq: 11 Aug 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-18RE

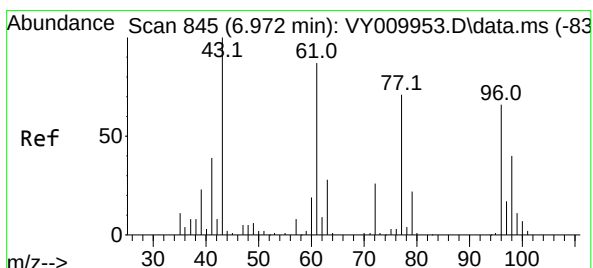
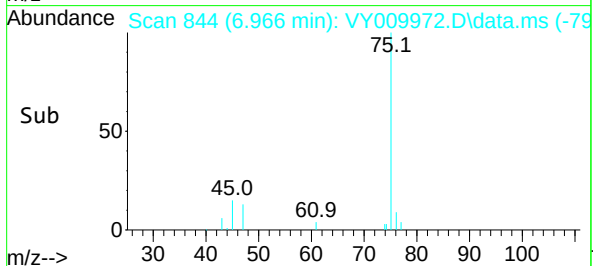
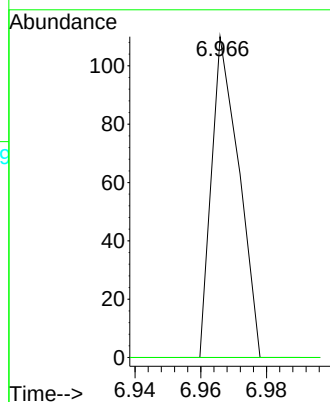


Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.379 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009972.D

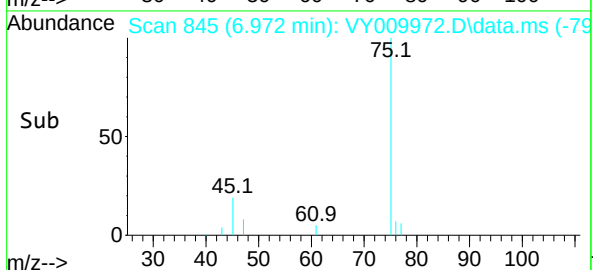
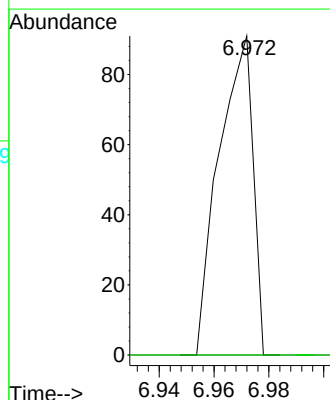
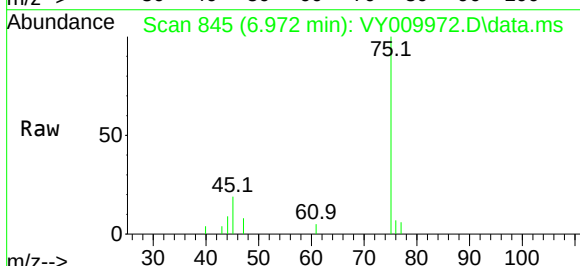
Acq: 11 Aug 2022 18:31

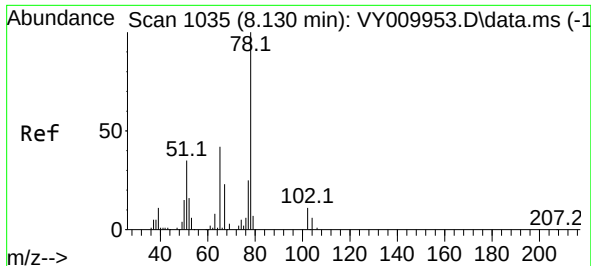
Tgt Ion: 77 Resp: 78

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#33

1,2-Dichloroethane-d4

Concen: 70.894 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY009972.D

Acq: 11 Aug 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

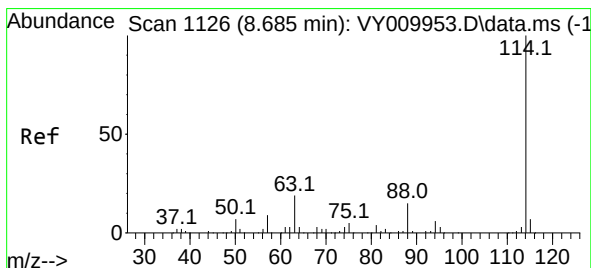
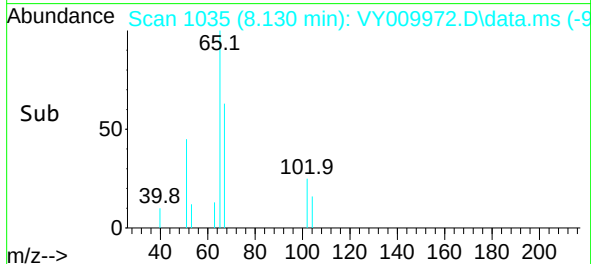
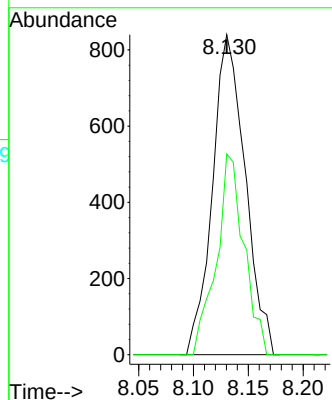
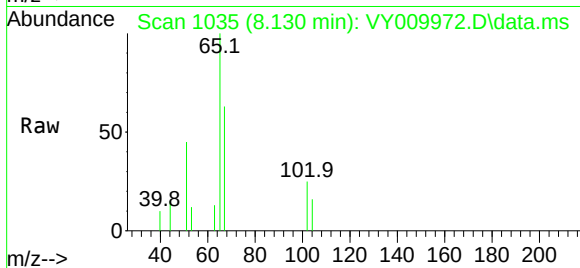
SB-18RE

Tgt Ion: 65 Resp: 1744

Ion Ratio Lower Upper

65 100

67 53.0 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: VY009972.D

Acq: 11 Aug 2022 18:31

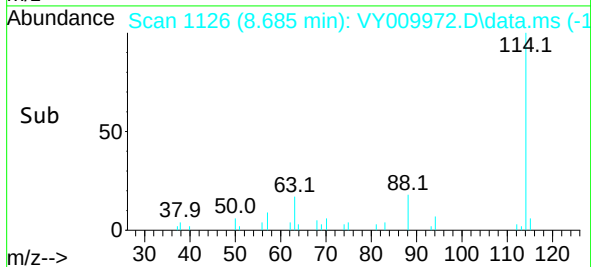
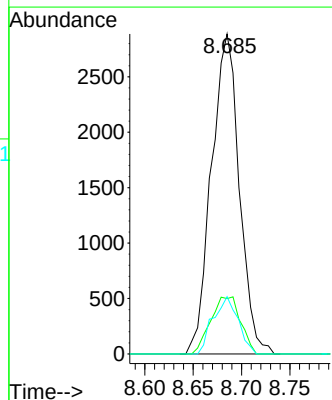
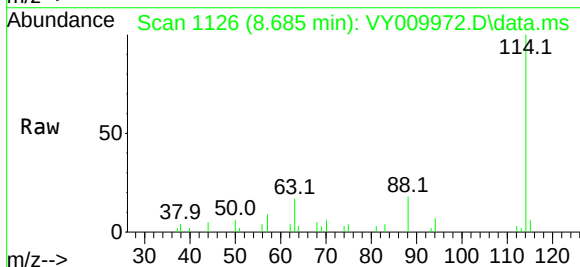
Tgt Ion: 114 Resp: 5787

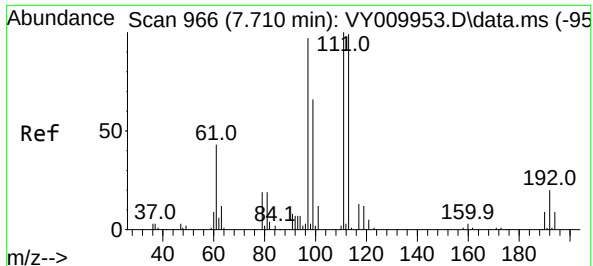
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.0

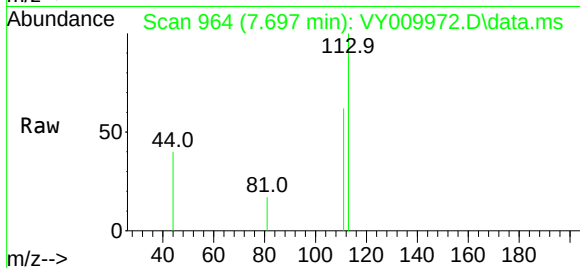
88 17.9 0.0 30.0



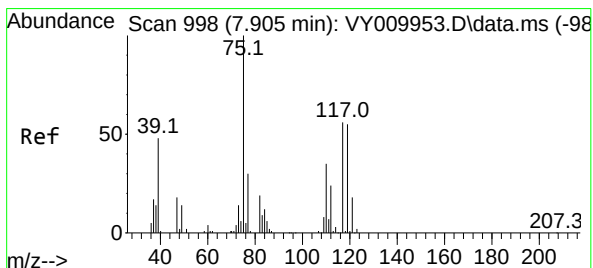
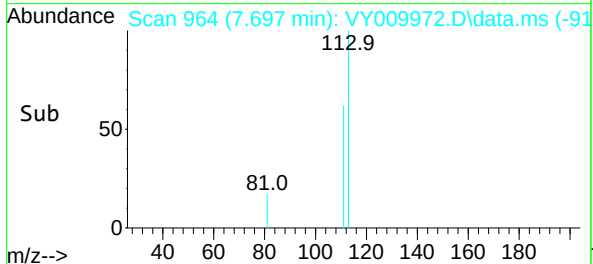
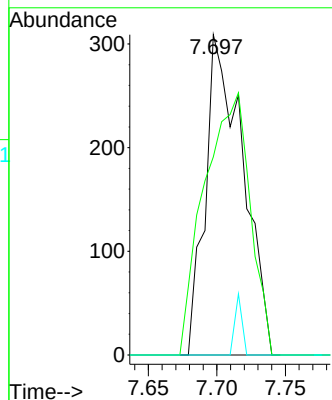


#35
Dibromofluoromethane
Concen: 17.629 ug/l
RT: 7.697 min Scan# 911
Delta R.T. -0.013 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Instrument :
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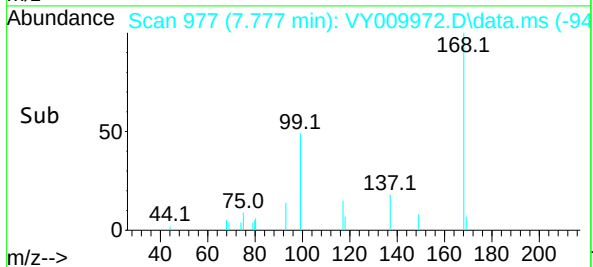
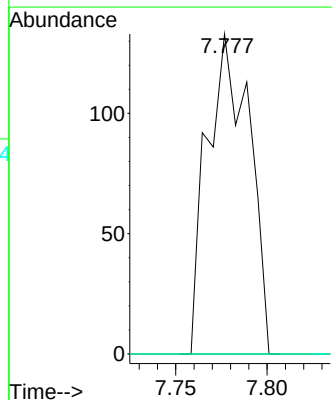
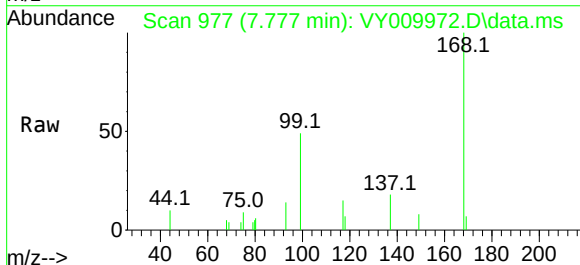


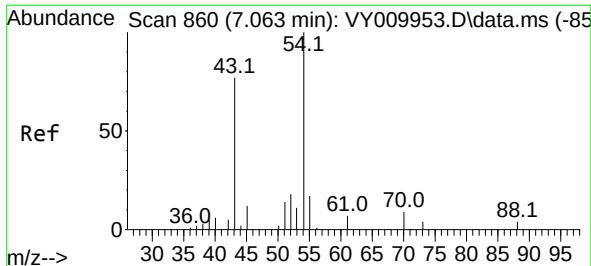
Tgt Ion:113 Resp: 587
Ion Ratio Lower Upper
113 100
111 100.0 80.6 120.8
192 3.7 16.2 24.4#



#36
1,1-Dichloropropene
Concen: 3.692 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

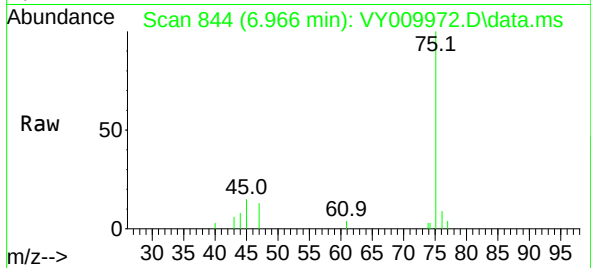
Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
110 0.0 18.6 56.0#
77 0.0 25.0 37.4#



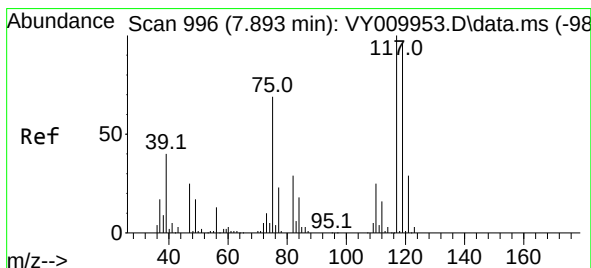
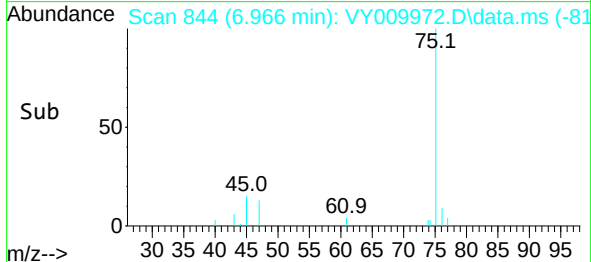
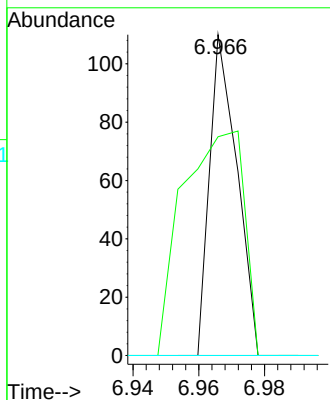


#37
Ethyl Acetate
Concen: 1.861 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

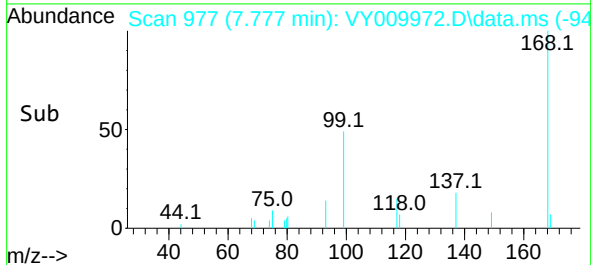
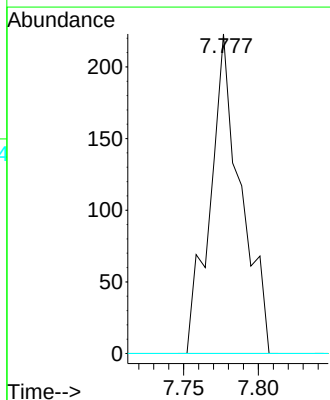
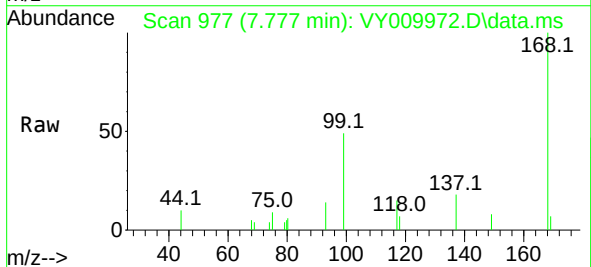


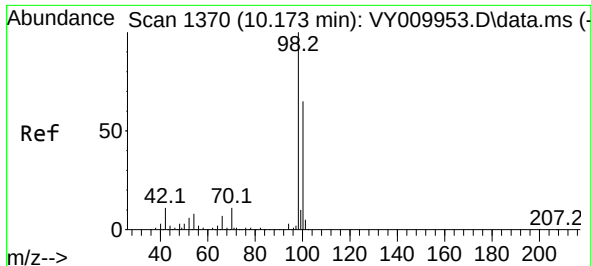
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 158.7 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion: 117 Resp: 318
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
121 0.0 24.9 37.3#

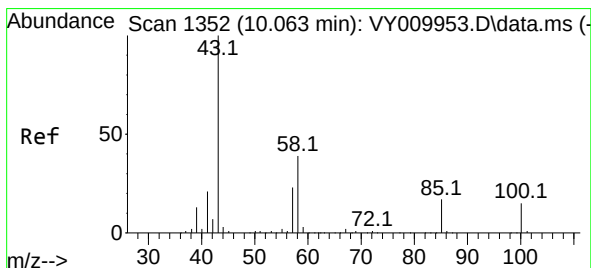
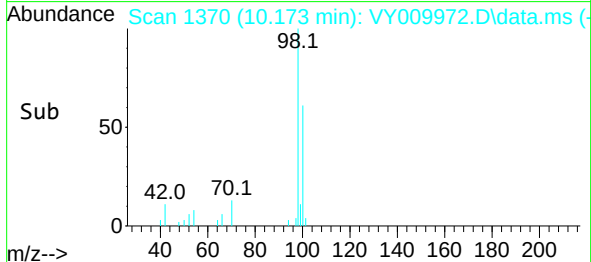
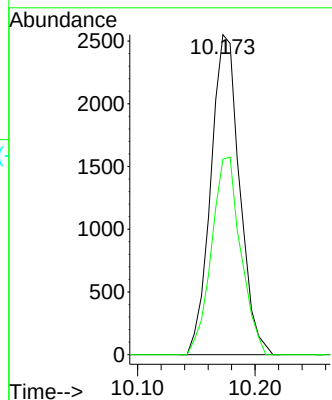
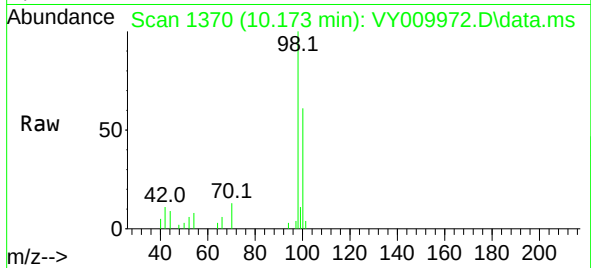




#50
Toluene-d8
Concen: 43.890 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

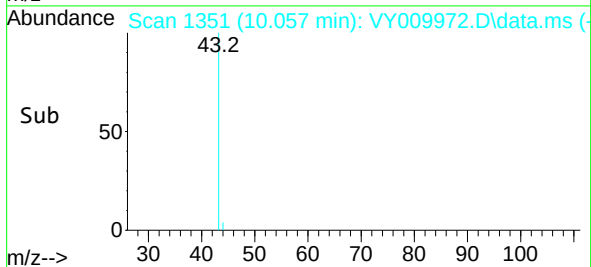
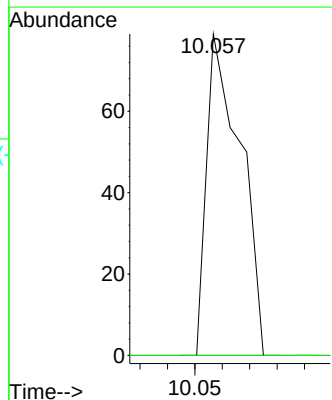
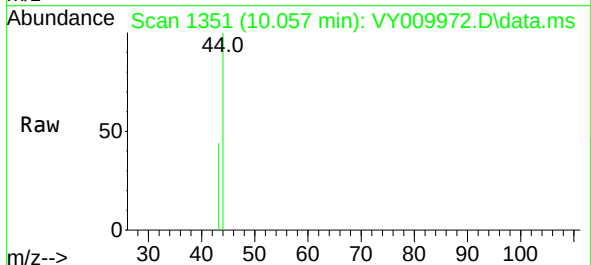
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

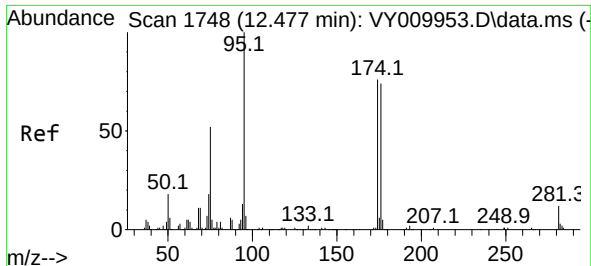
Tgt Ion: 98 Resp: 4342
Ion Ratio Lower Upper
98 100
100 62.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 2.078 ug/l
RT: 10.057 min Scan# 1351
Delta R.T. -0.006 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#

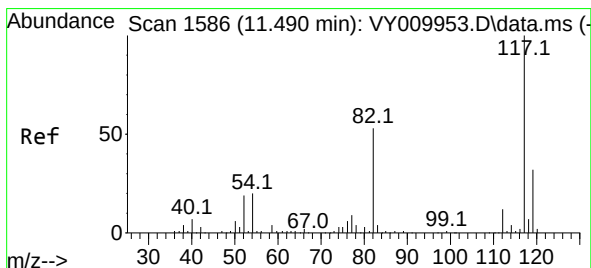
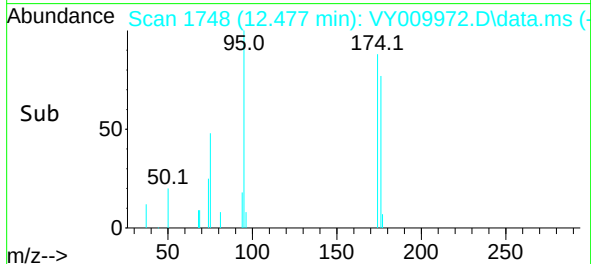
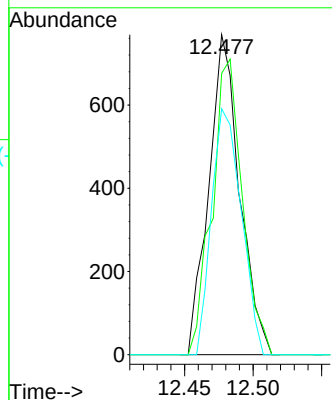
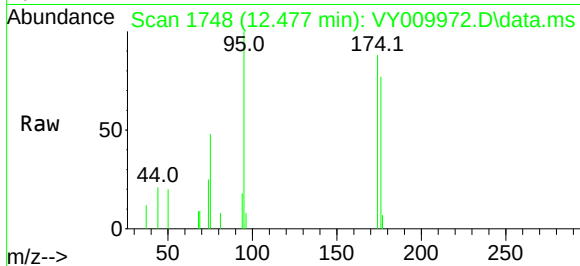




#62
4-Bromofluorobenzene
Concen: 25.699 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

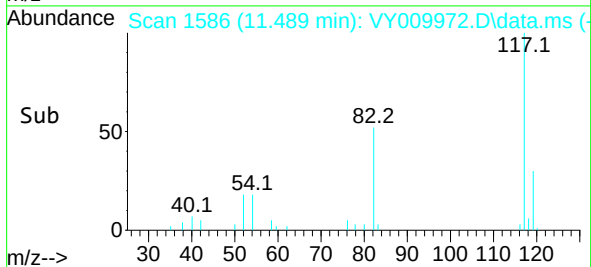
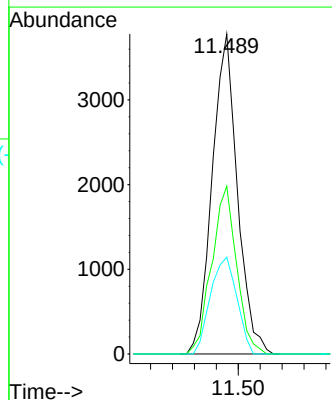
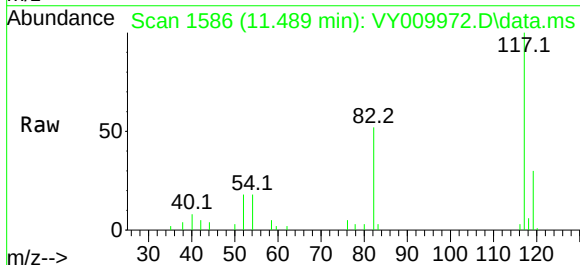
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

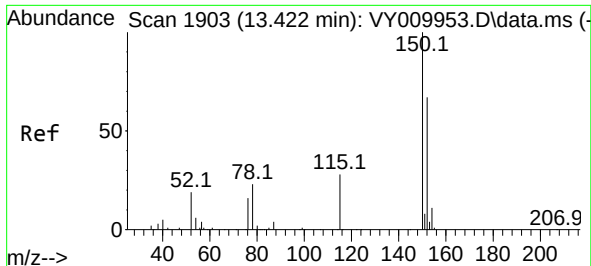
Tgt Ion:	95	Resp:	1203
Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	173.8
176	74.1	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion:	117	Resp:	6026
Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	30.2	25.6	38.4

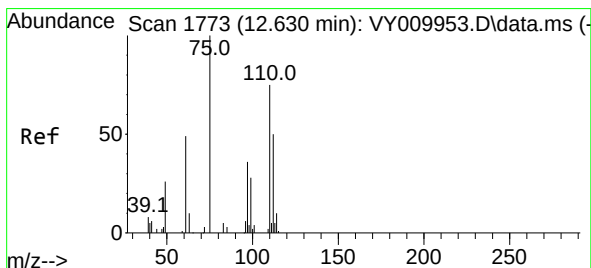
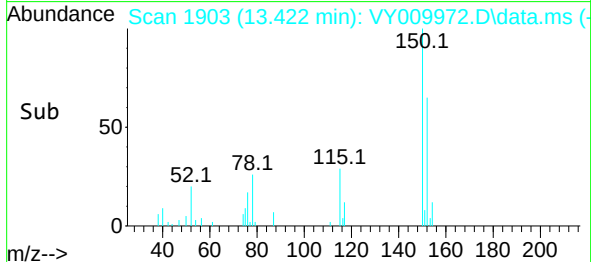
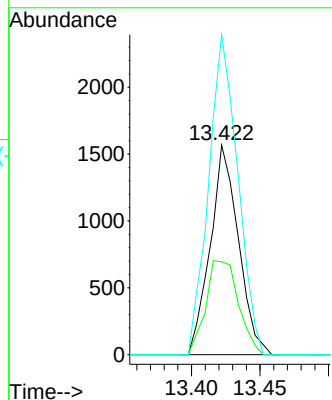
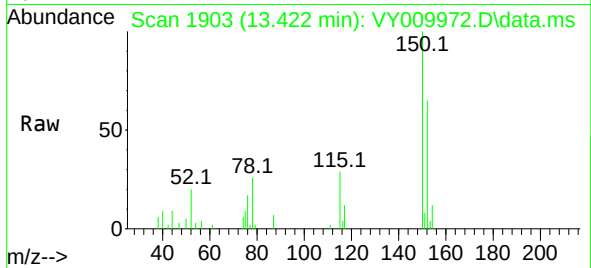




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

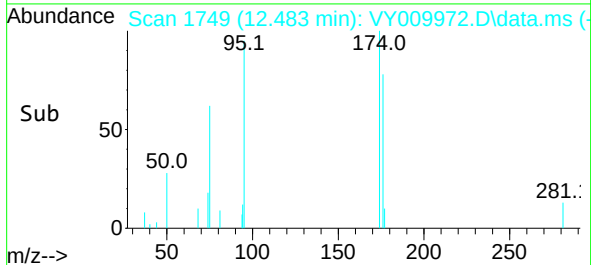
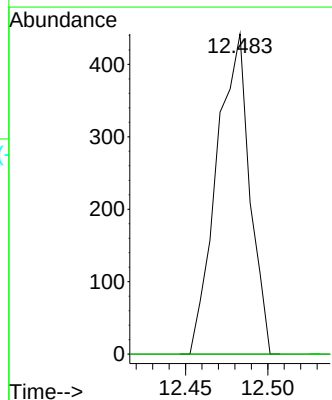
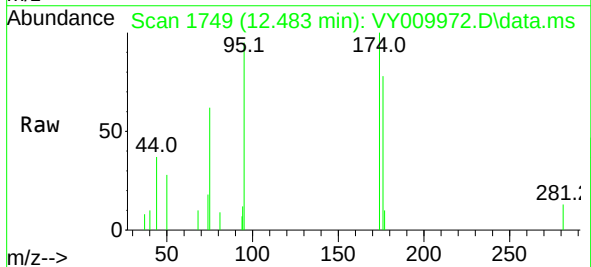
Instrument :
MSVOA_Y
ClientSampleId :
SB-18RE

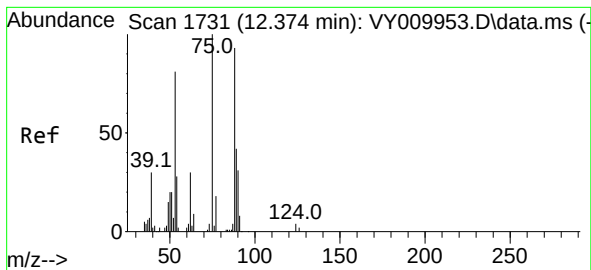
Tgt Ion:152 Resp: 2240
Ion Ratio Lower Upper
152 100
115 51.9 28.6 85.9
150 157.9 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 25.885 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009972.D
Acq: 11 Aug 2022 18:31

Tgt Ion: 75 Resp: 619
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.386 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY009972.D
 Acq: 11 Aug 2022 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-18RE

Tgt Ion: 75 Resp: 619
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 38.1 57.1#

