

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011773.D
 Acq On : 12 Dec 2022 15:57
 Operator : KP/MD
 Sample : N5995-01
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1282022-B1-S1

Quant Time: Dec 13 00:20:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

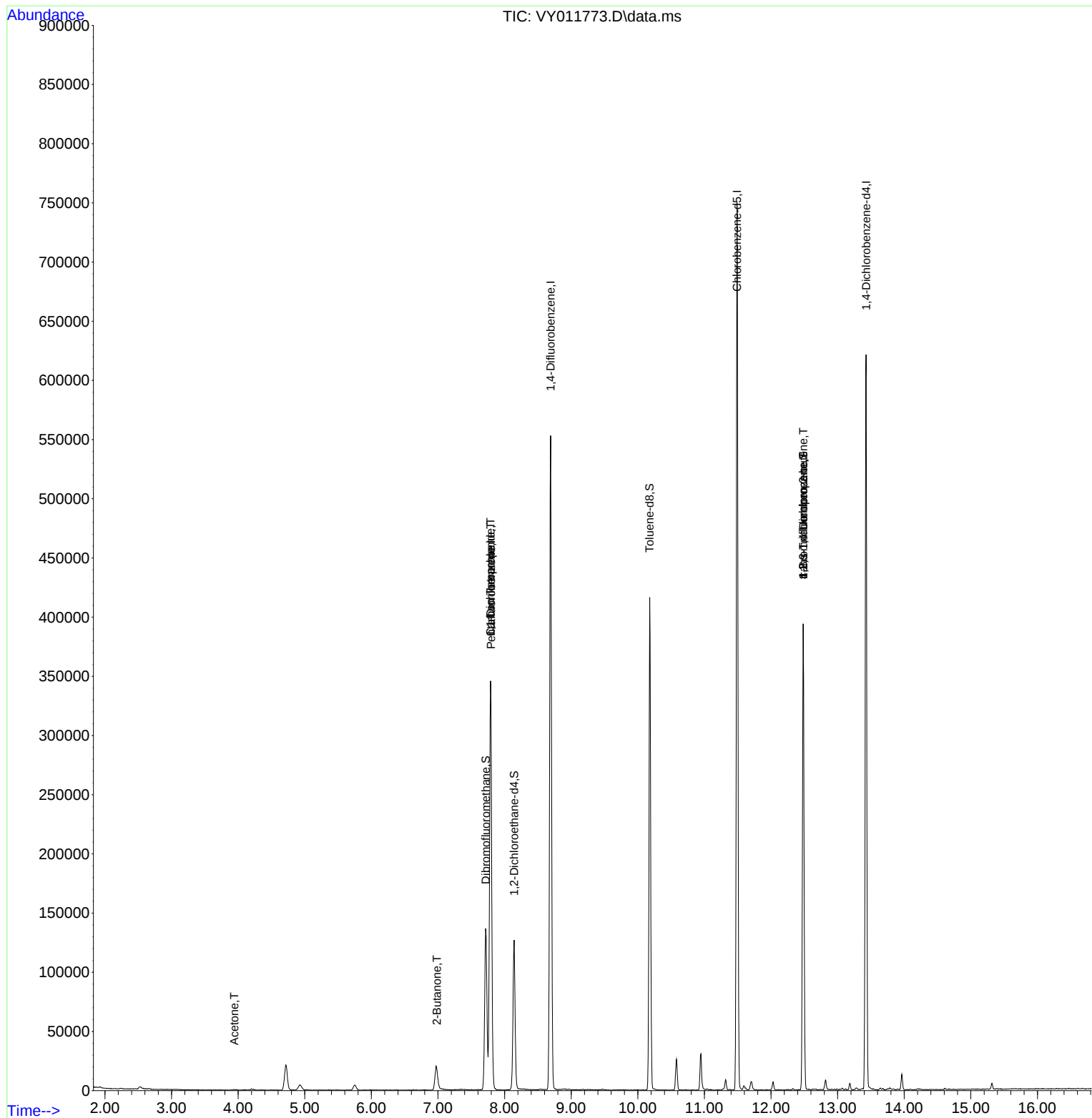
Internal Standards						
1) Pentafluorobenzene	7.795	168	268920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	465624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	402265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	95247	52.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.220%			
35) Dibromofluoromethane	7.716	113	96360	46.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.580%			
50) Toluene-d8	10.179	98	270298	38.298	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 76.600%			
62) 4-Bromofluorobenzene	12.483	95	102912	36.927	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 73.860%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	114	Below Cal	#	41
3) Chloromethane	2.119	50	99	Below Cal	#	41
5) Bromomethane	2.656	94	124	Below Cal		91
11) Tert butyl alcohol	4.930	59	4835	Below Cal	#	74
16) Acetone	3.942	43	1004	1.367	ug/l #	79
18) Methyl Acetate	4.198	43	329	Below Cal	#	50
25) 2-Butanone	6.984	43	1145	1.212	ug/l #	46
31) Cyclohexane	7.789	56	5263	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19874	5.625	ug/l #	50
38) Carbon Tetrachloride	7.789	117	27093	6.528	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	53969	32.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53969	73.190	ug/l #	13

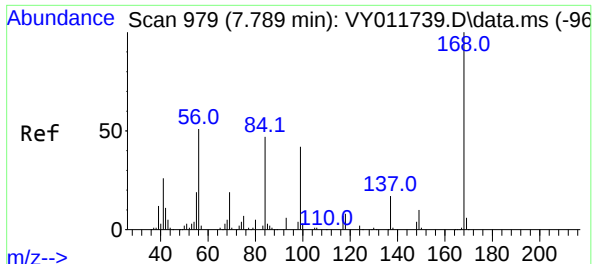
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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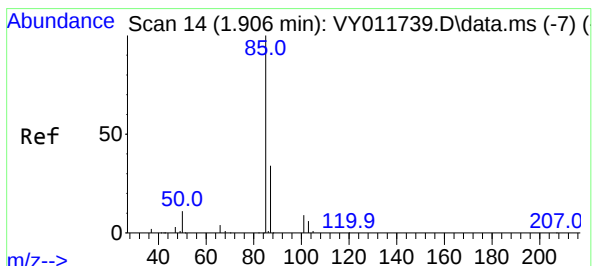
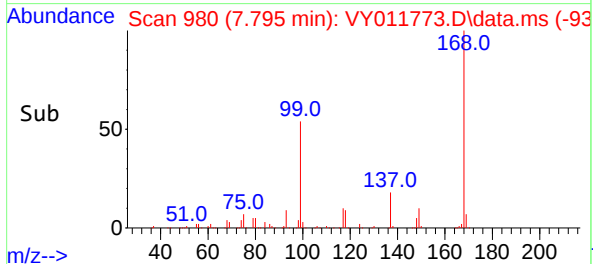
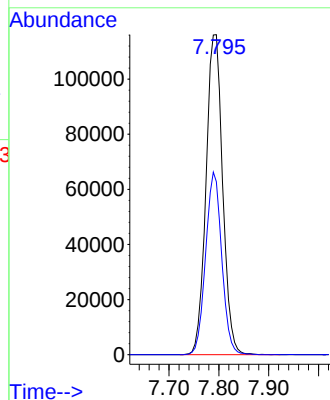
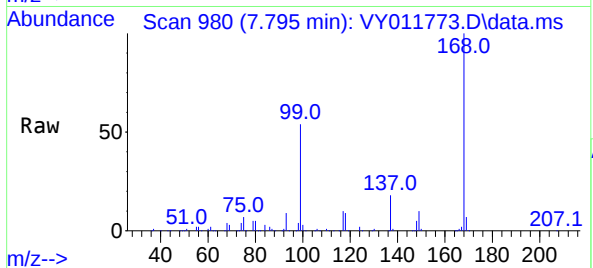




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

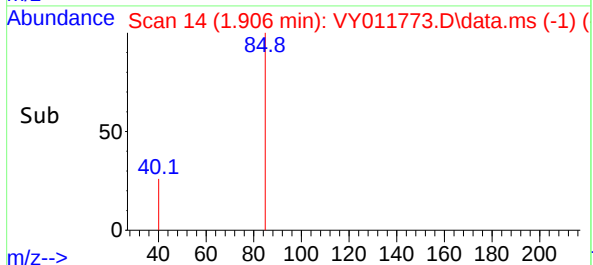
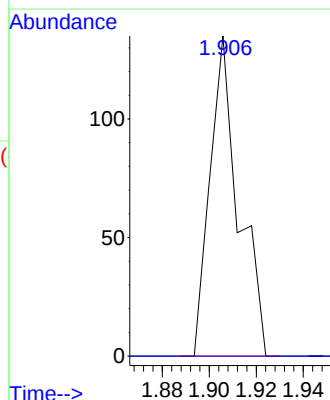
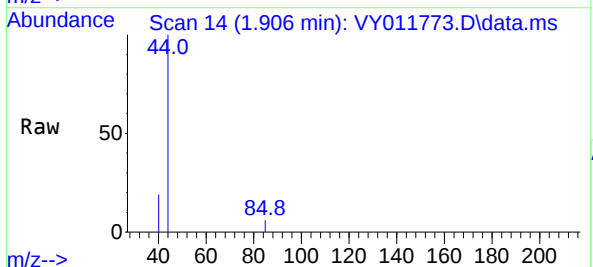
Instrument :
MSVOA_Y
ClientSampleId :
1282022-B1-S1

Tgt Ion:168 Resp: 268920
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0

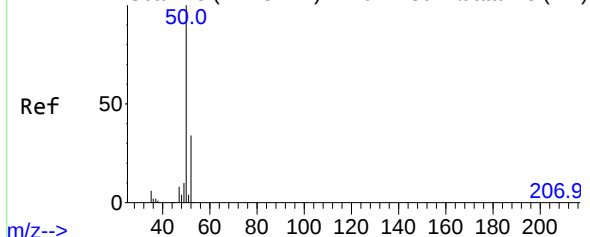


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

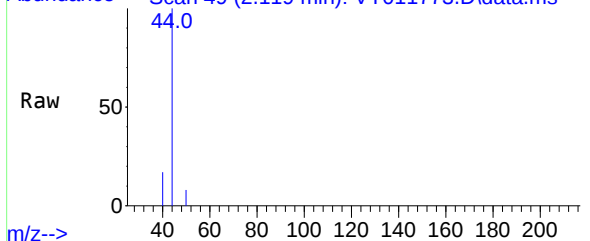
Tgt Ion: 85 Resp: 114
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



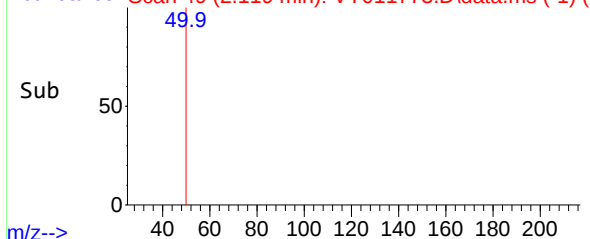
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011773.D\data.ms



Abundance Scan 49 (2.119 min): VY011773.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011773.D

Acq: 12 Dec 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

1282022-B1-S1

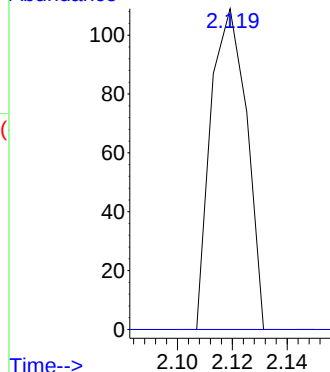
Tgt Ion: 50 Resp: 99

Ion Ratio Lower Upper

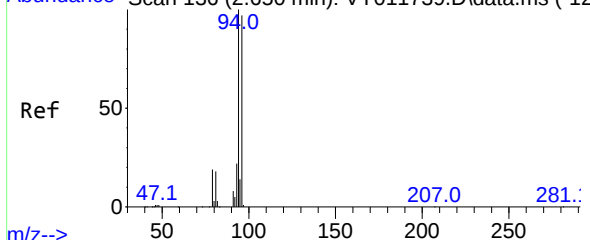
50 100

52 0.0 26.8 40.2#

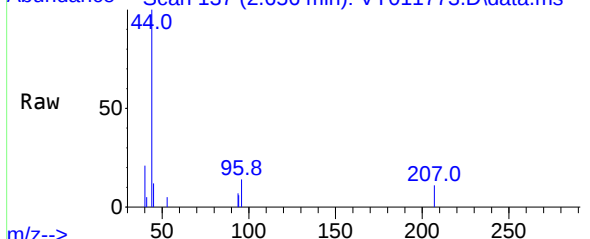
Abundance



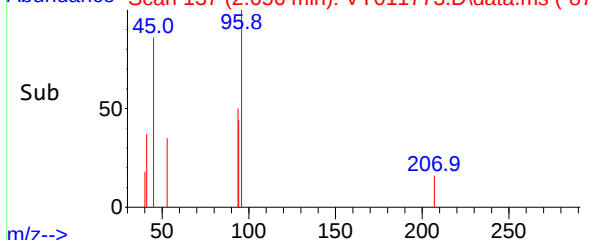
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 137 (2.656 min): VY011773.D\data.ms



Abundance Scan 137 (2.656 min): VY011773.D\data.ms (-87)



#5

Bromomethane

Concen: Below Cal

RT: 2.656 min Scan# 137

Delta R.T. 0.006 min

Lab File: VY011773.D

Acq: 12 Dec 2022 15:57

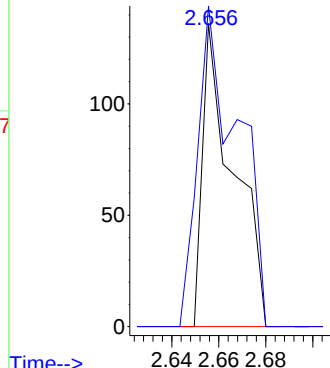
Tgt Ion: 94 Resp: 124

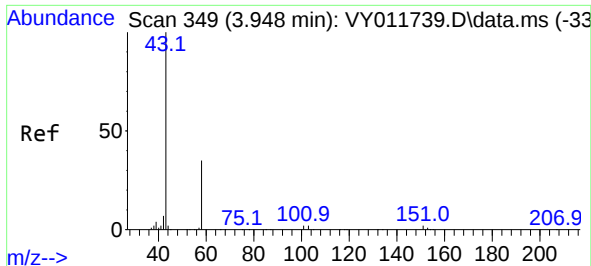
Ion Ratio Lower Upper

94 100

96 105.9 77.4 116.2

Abundance

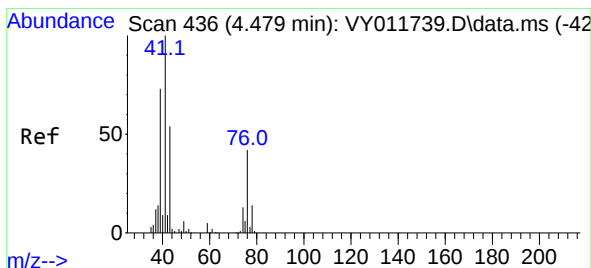
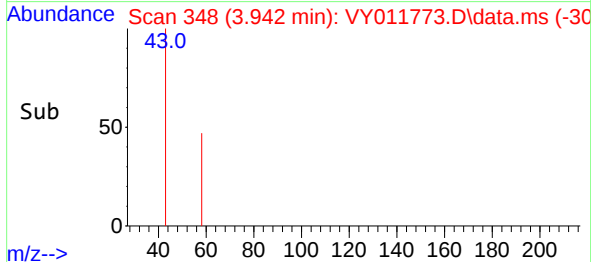
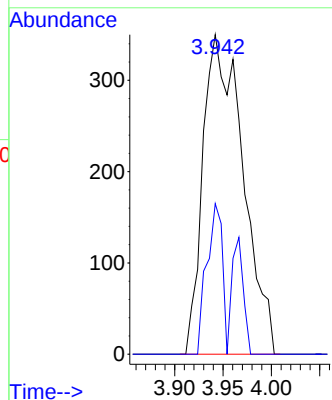
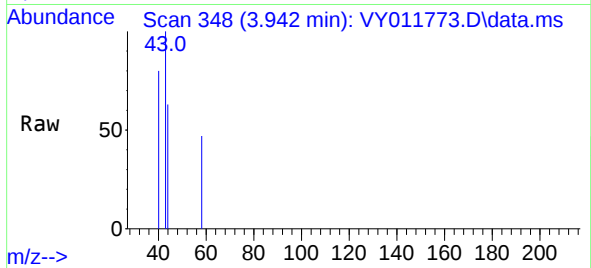




#16
Acetone
Concen: 1.367 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

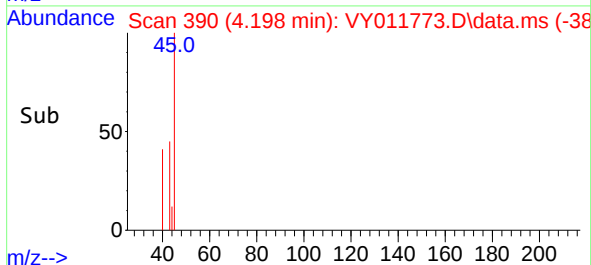
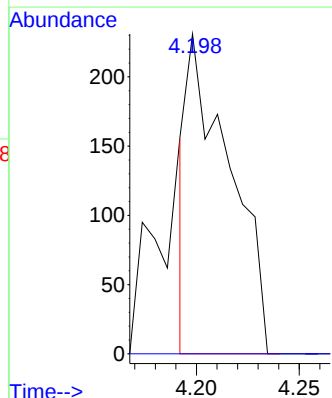
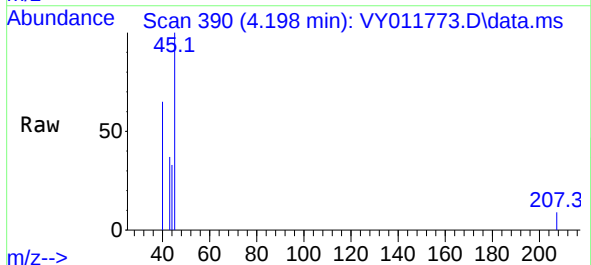
Instrument :
MSVOA_Y
ClientSampleId :
1282022-B1-S1

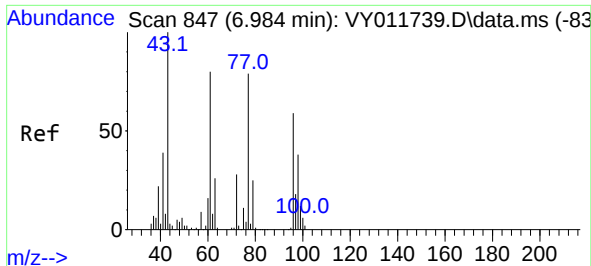
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 47.1 27.9 41.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.281 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

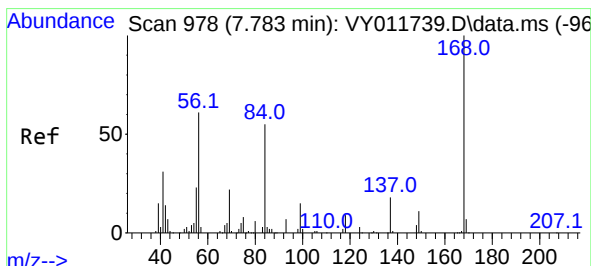
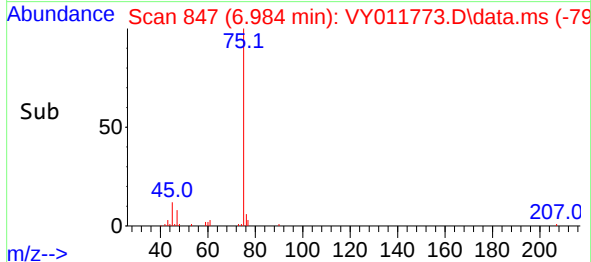
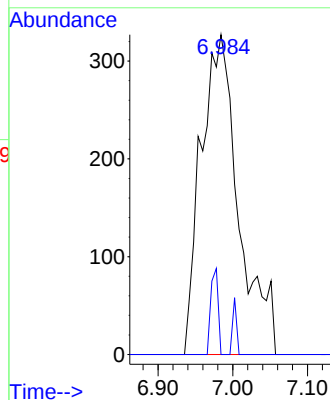
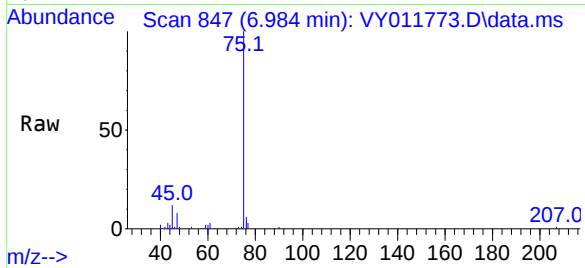




#25
2-Butanone
Concen: 1.212 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

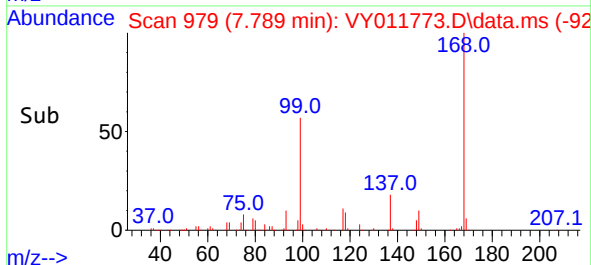
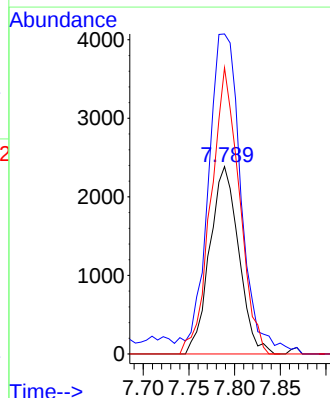
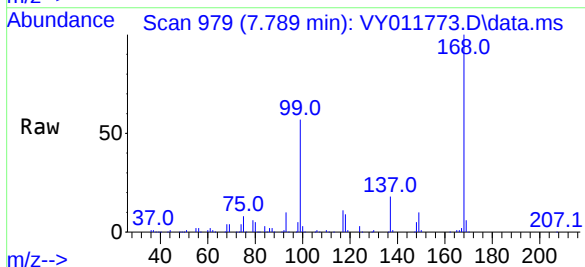
Instrument :
MSVOA_Y
ClientSampleId :
1282022-B1-S1

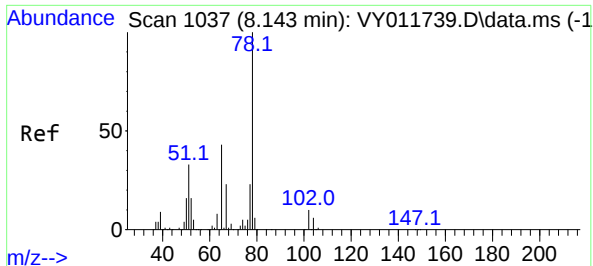
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion: 56 Resp: 5263
Ion Ratio Lower Upper
56 100
69 165.0 29.2 43.8#
84 152.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.106 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011773.D

Acq: 12 Dec 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

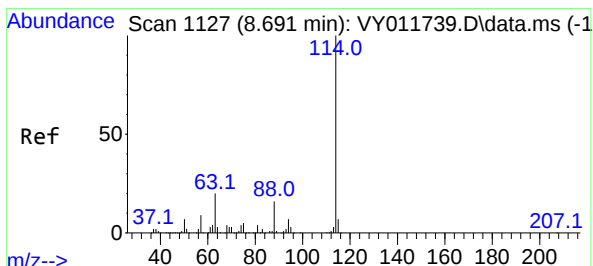
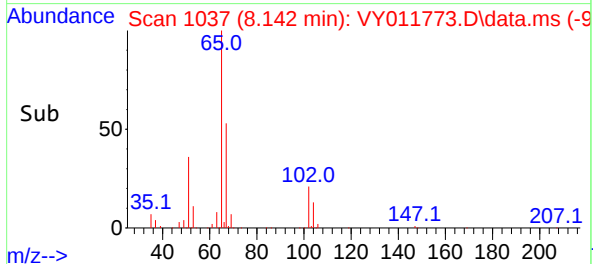
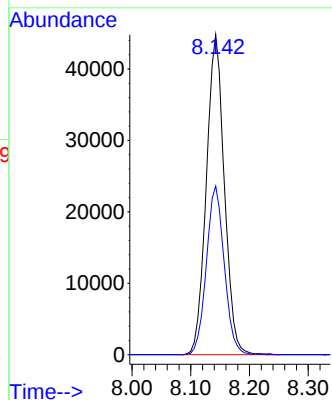
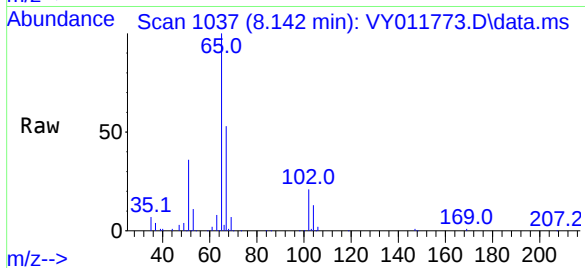
1282022-B1-S1

Tgt Ion: 65 Resp: 95247

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011773.D

Acq: 12 Dec 2022 15:57

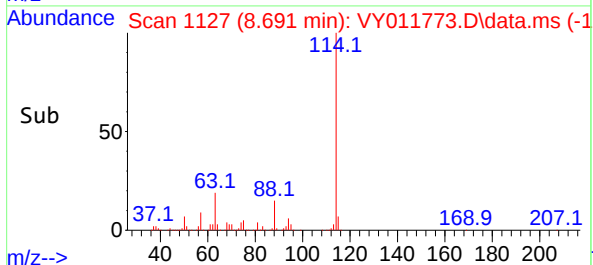
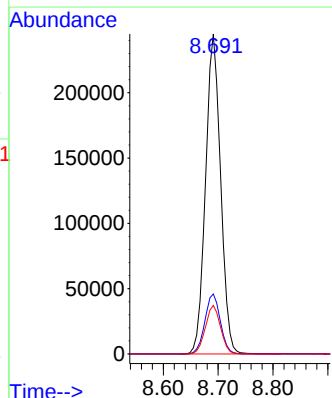
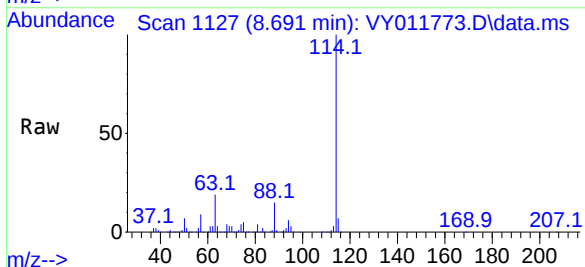
Tgt Ion: 114 Resp: 465624

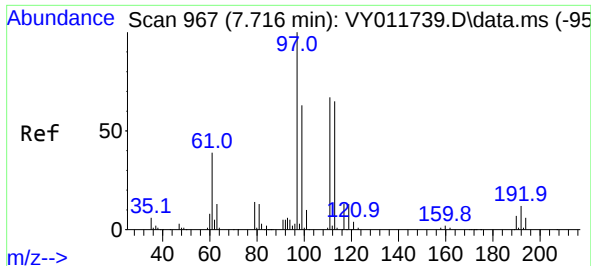
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.2 0.0 32.2

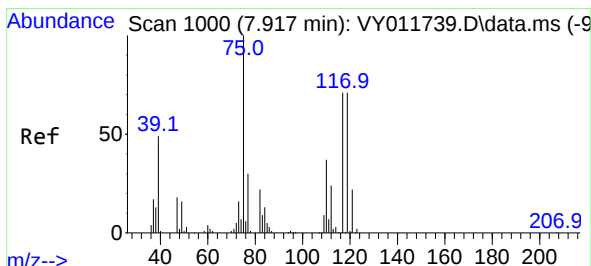
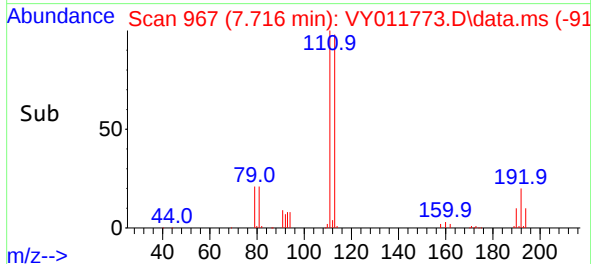
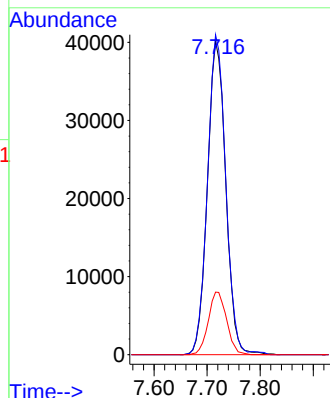
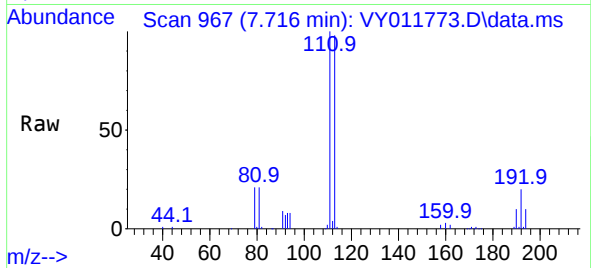




#35
Dibromofluoromethane
Concen: 46.291 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

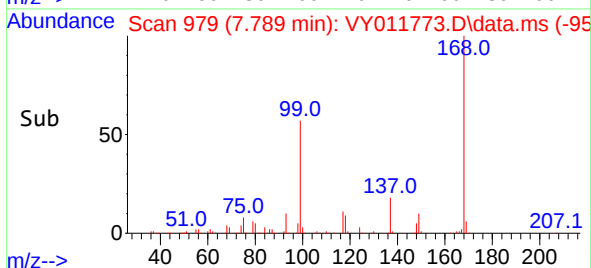
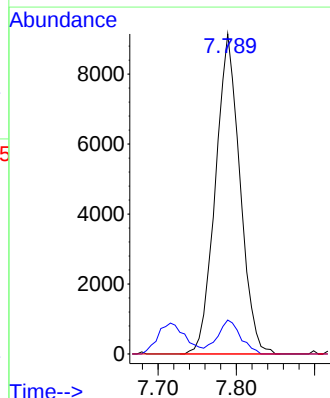
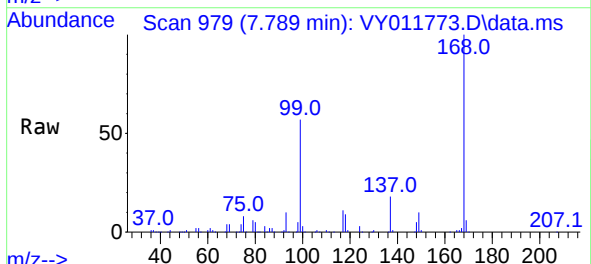
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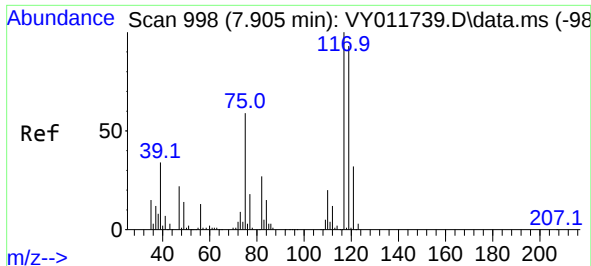
Tgt Ion:	113	Resp:	96360
Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.4
192	19.9	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.625 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion:	75	Resp:	19874
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	25.1	37.7#

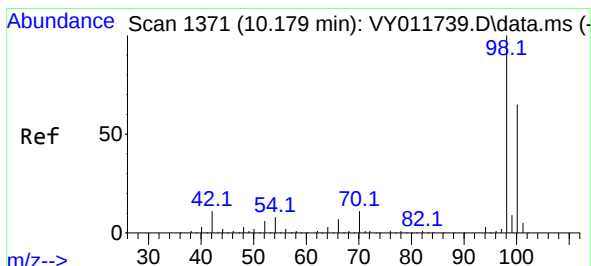
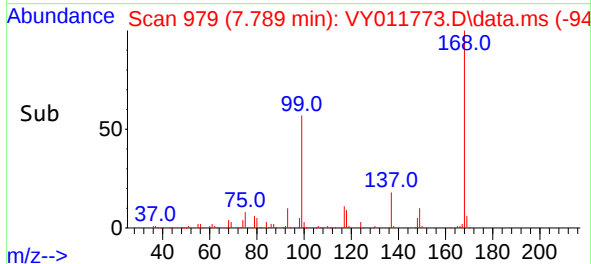
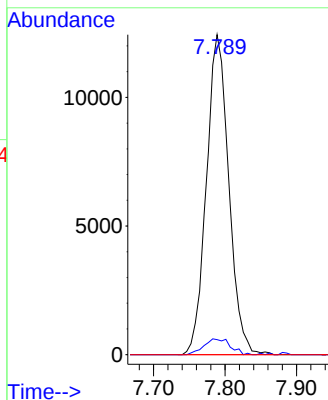
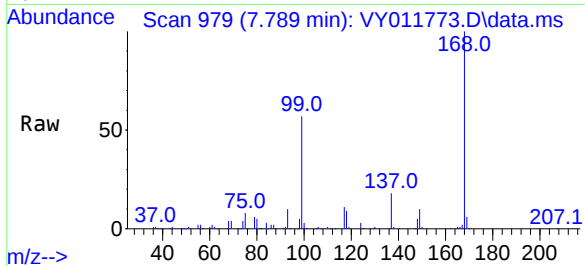




#38
Carbon Tetrachloride
Concen: 6.528 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

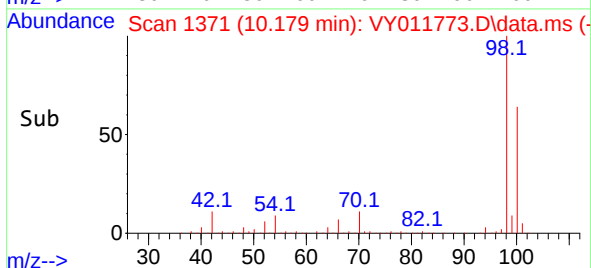
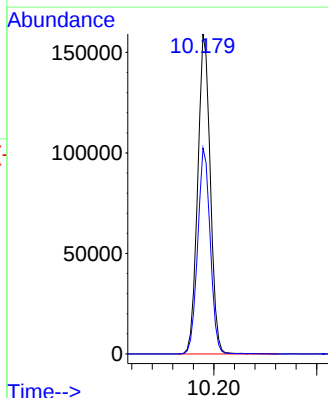
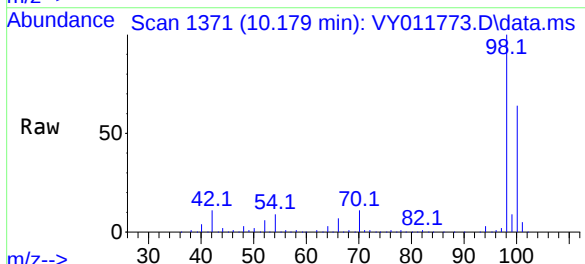
Instrument :
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ClientSampleId :
1282022-B1-S1

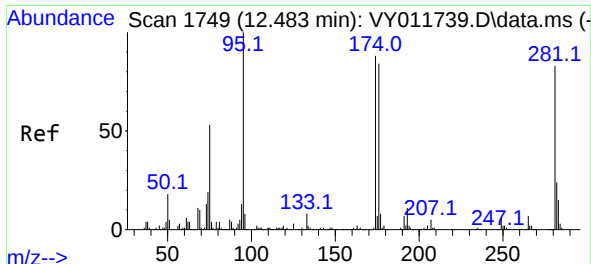
Tgt Ion:117 Resp: 27093
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 38.298 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion: 98 Resp: 270298
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

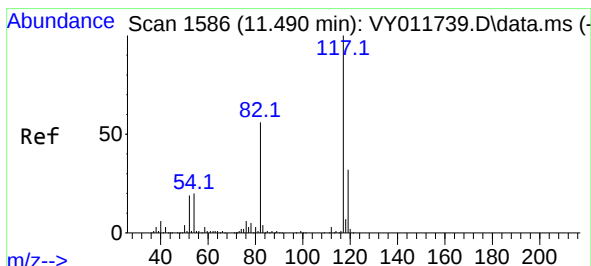
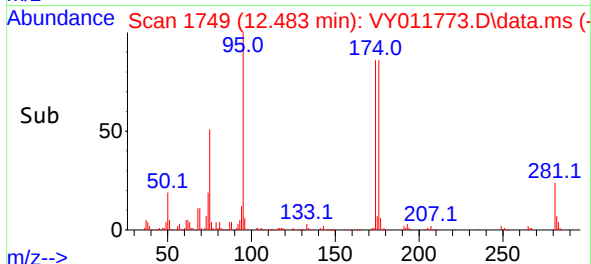
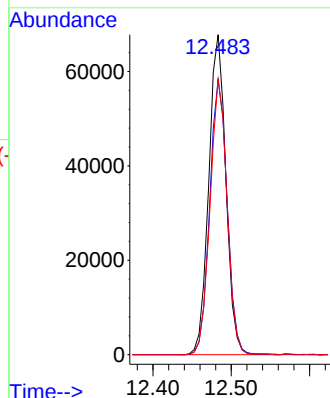
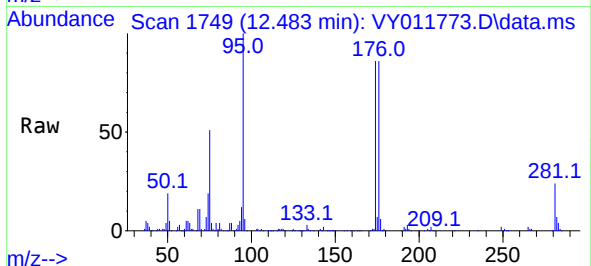




#62
4-Bromofluorobenzene
Concen: 36.927 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

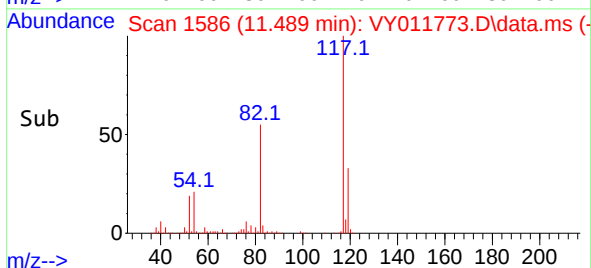
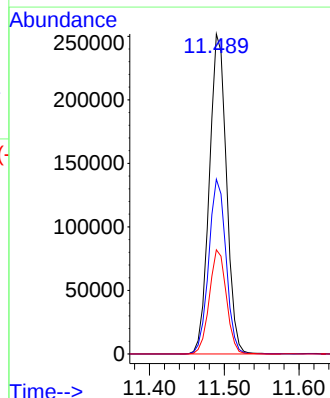
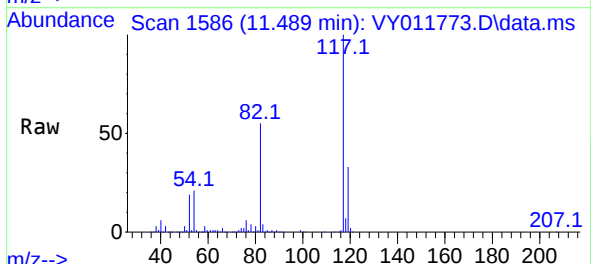
Instrument :
MSVOA_Y
ClientSampleId :
1282022-B1-S1

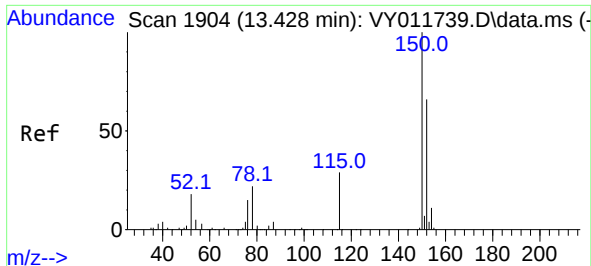
Tgt Ion: 95 Resp: 102912
Ion Ratio Lower Upper
95 100
174 87.4 0.0 172.0
176 85.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion: 117 Resp: 402265
Ion Ratio Lower Upper
117 100
82 54.6 44.8 67.2
119 32.5 25.4 38.2

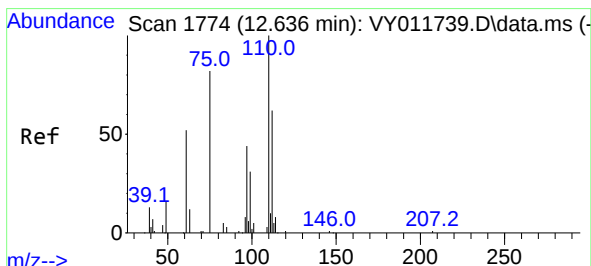
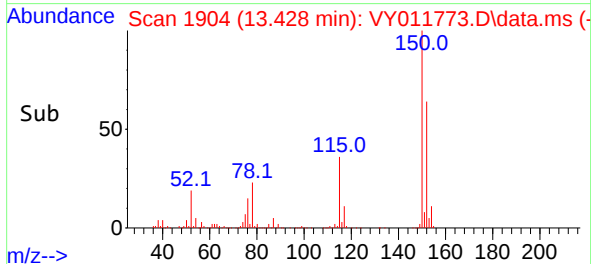
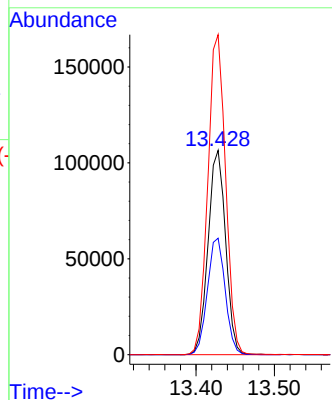
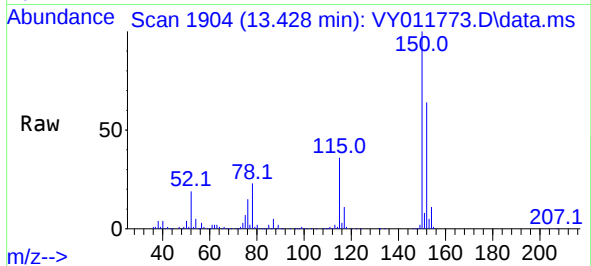




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

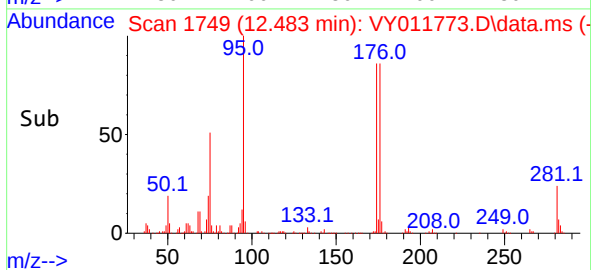
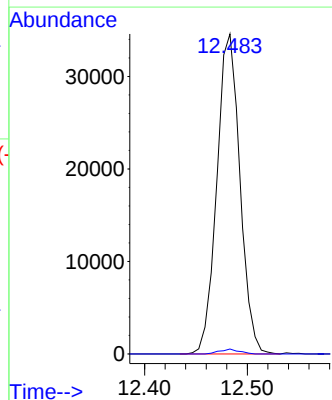
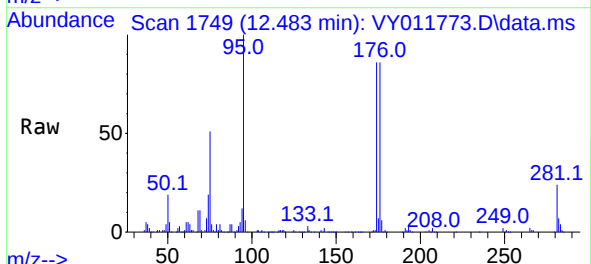
Instrument :
MSVOA_Y
ClientSampleId :
1282022-B1-S1

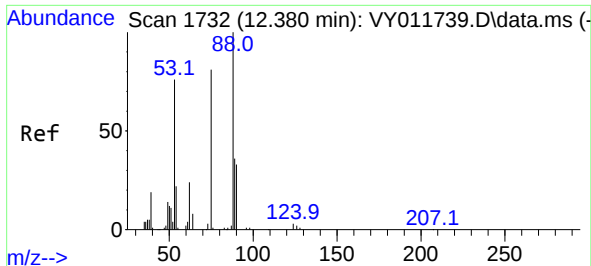
Tgt Ion:152 Resp: 165386
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 158.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 32.254 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011773.D
Acq: 12 Dec 2022 15:57

Tgt Ion: 75 Resp: 53969
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.190 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011773.D
 Acq: 12 Dec 2022 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 1282022-B1-S1

Tgt Ion: 75 Resp: 53969
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.4 37.0 55.4#

