

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062922\
 Data File : VY009379.D
 Acq On : 29 Jun 2022 17:42
 Operator : KP/MD
 Sample : N3531-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 W-2

Quant Time: Jun 30 05:13:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	79684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	131700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	120190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51333	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	33571	52.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.200%
35) Dibromofluoromethane	7.710	113	30644	42.277	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.560%
50) Toluene-d8	10.179	98	117105	52.694	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.380%
62) 4-Bromofluorobenzene	12.477	95	34268	32.512	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	65.020%

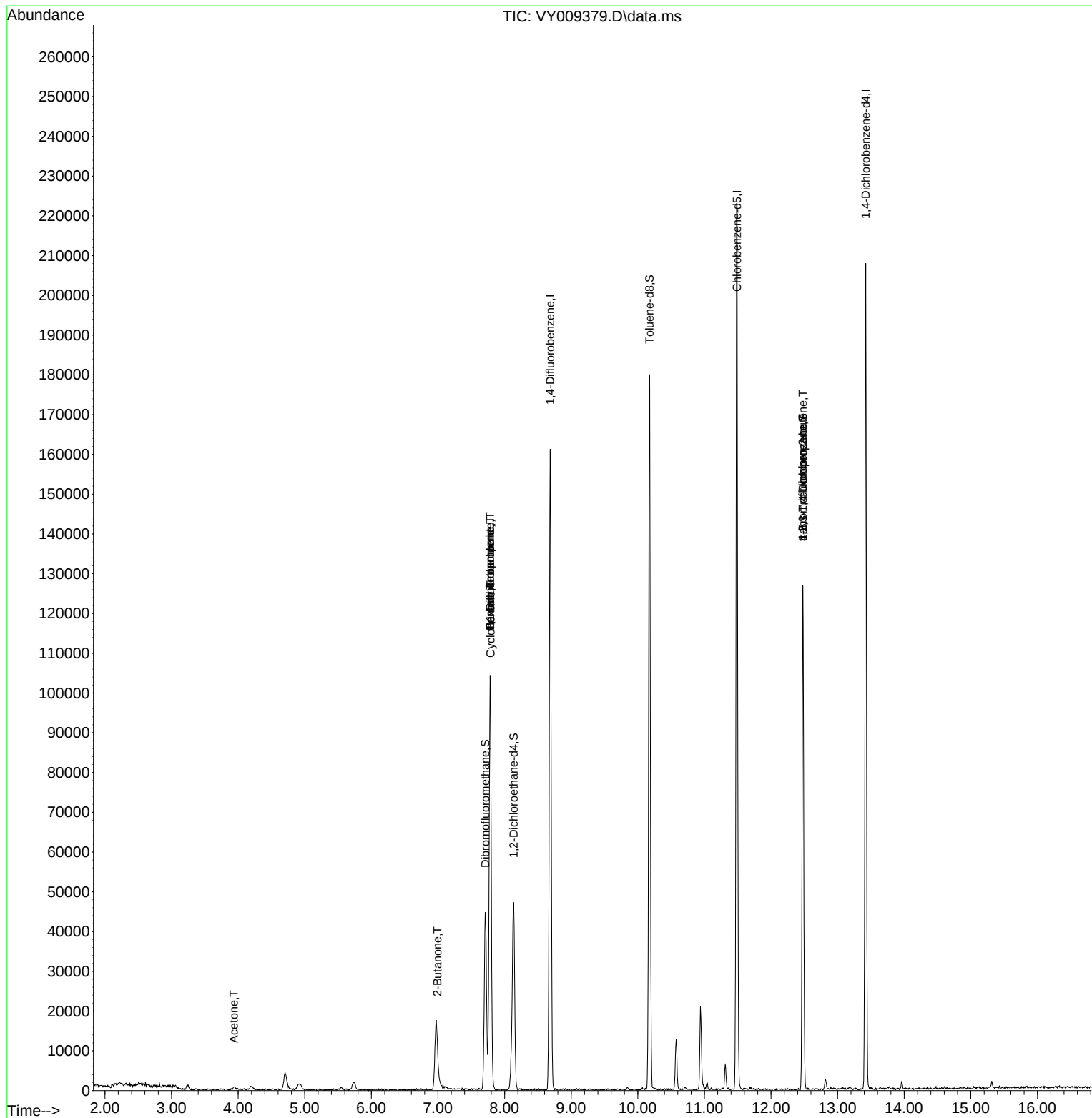
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.918	59	1110	Below Cal	#	77
16) Acetone	3.936	43	1323	6.312	ug/l	94
18) Methyl Acetate	4.460	43	23	Below Cal	#	56
20) Methylene Chloride	4.710	84	2821	Below Cal	#	62
25) 2-Butanone	6.990	43	1240	3.731	ug/l	# 54
31) Cyclohexane	7.789	56	2109	1.469	ug/l	# 13
36) 1,1-Dichloropropene	7.783	75	6368	5.025	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	7507	5.667	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	17974	29.899	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	17974	66.570	ug/l	# 7

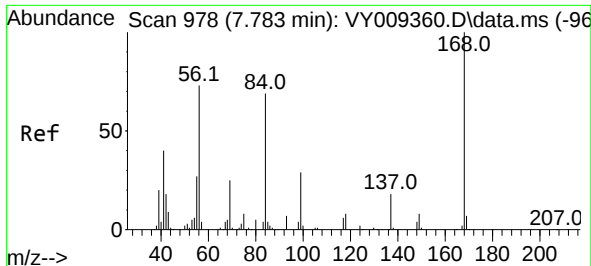
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

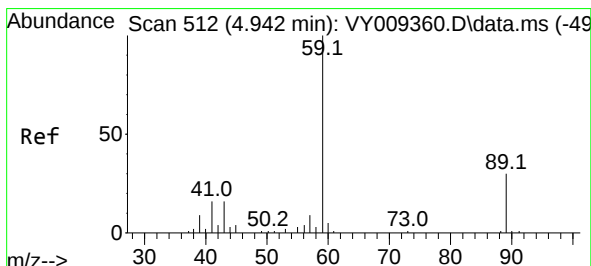
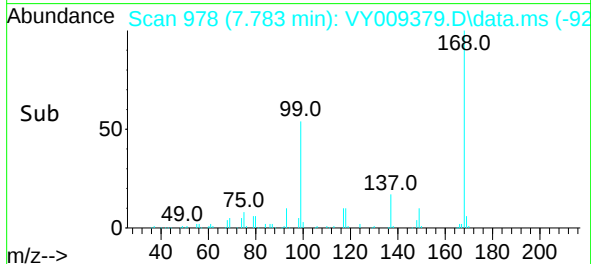
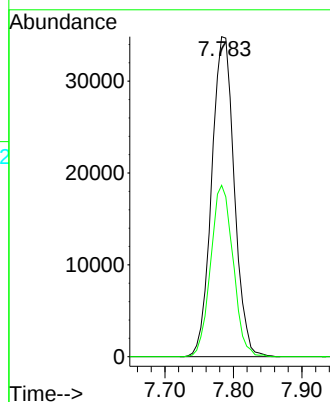
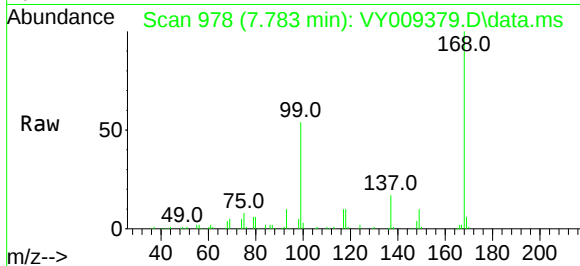




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

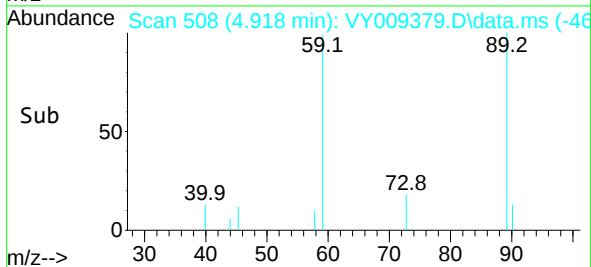
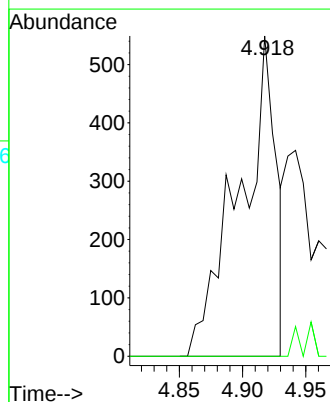
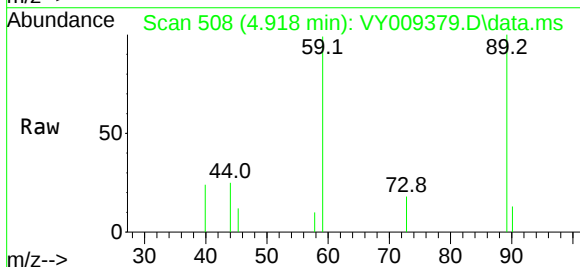
Instrument :
MSVOA_Y
ClientSampleId :
W-2

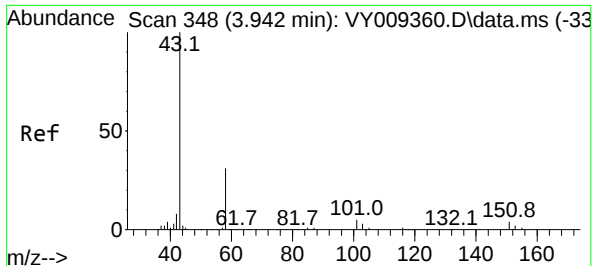
Tgt Ion:168 Resp: 79684
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 59 Resp: 1110
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

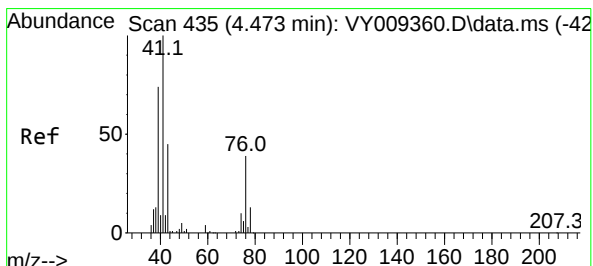
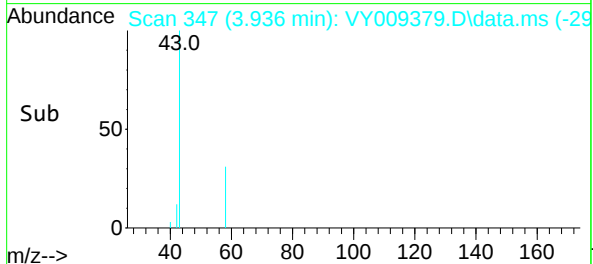
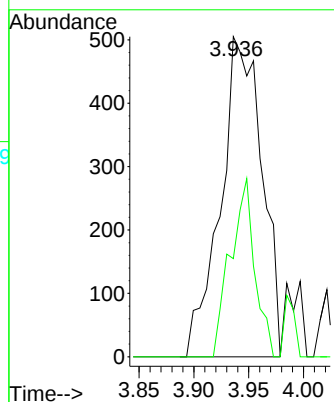
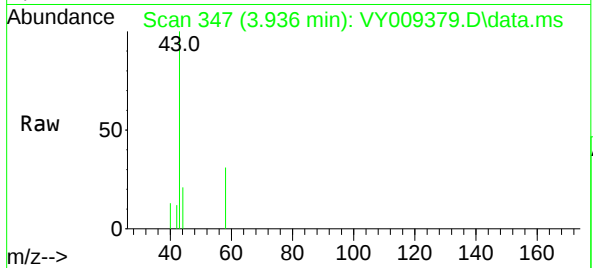




#16
Acetone
Concen: 6.312 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

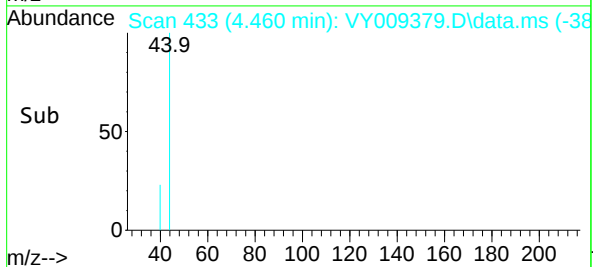
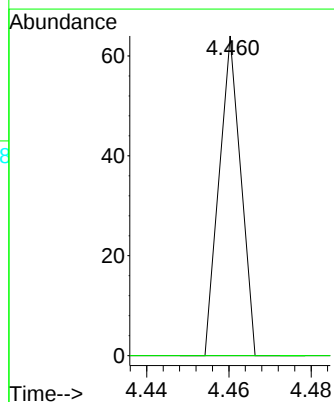
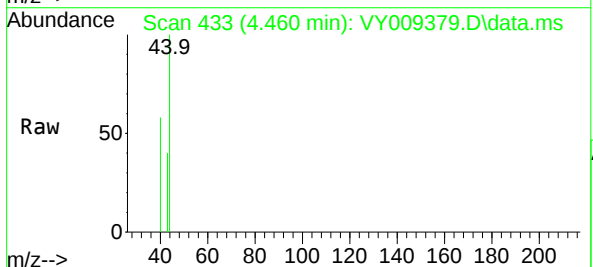
Instrument :
MSVOA_Y
ClientSampleId :
W-2

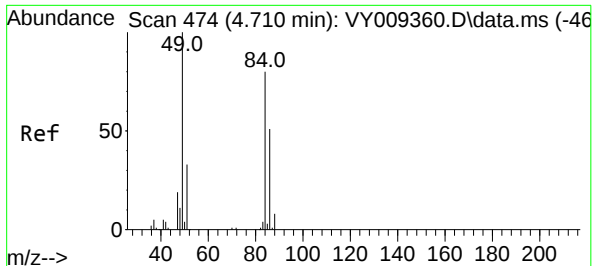
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.013 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

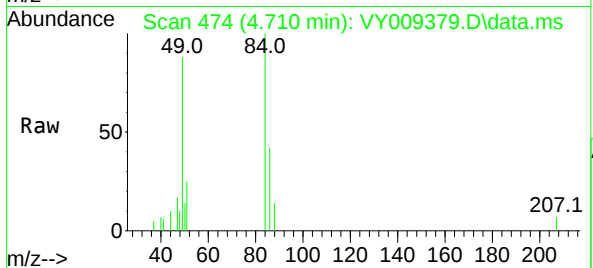
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



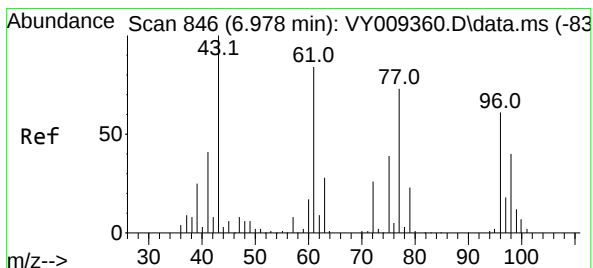
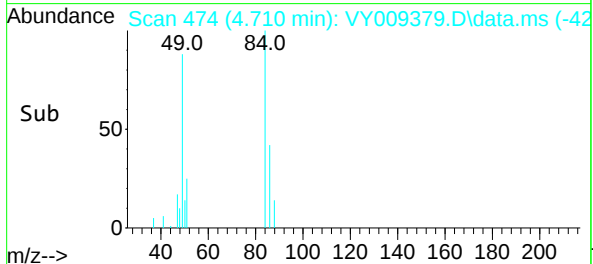
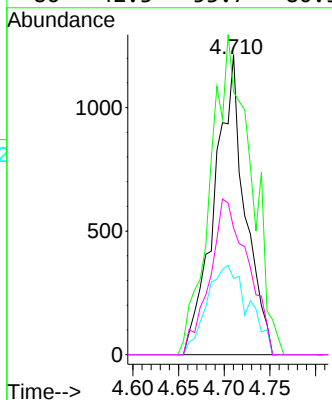


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Instrument :
MSVOA_Y
ClientSampleId :
W-2

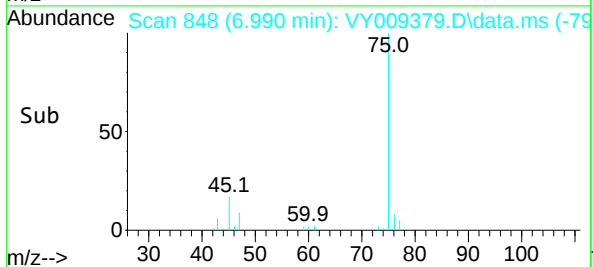
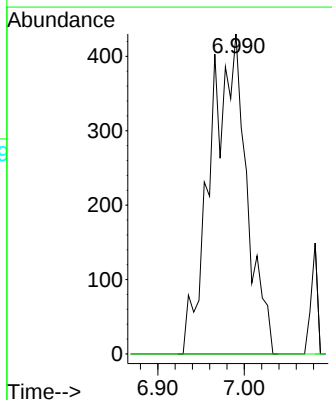
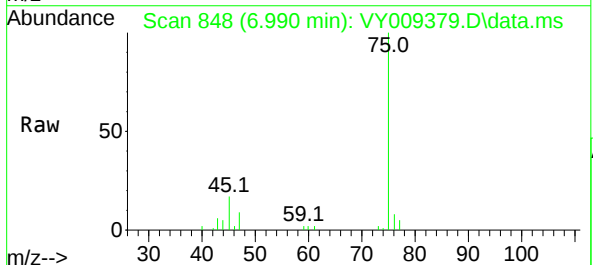


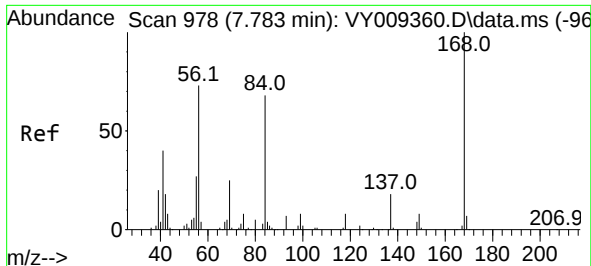
Tgt Ion: 84 Resp: 2821
Ion Ratio Lower Upper
84 100
49 87.6 114.4 171.6#
51 25.4 35.3 52.9#
86 42.3 53.7 80.5#



#25
2-Butanone
Concen: 3.731 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

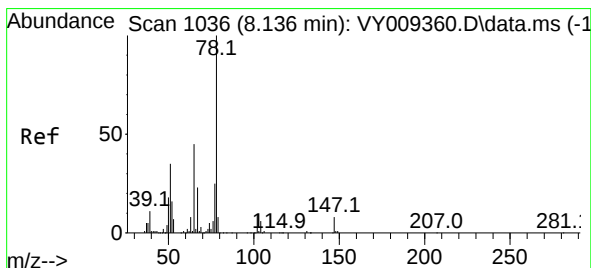
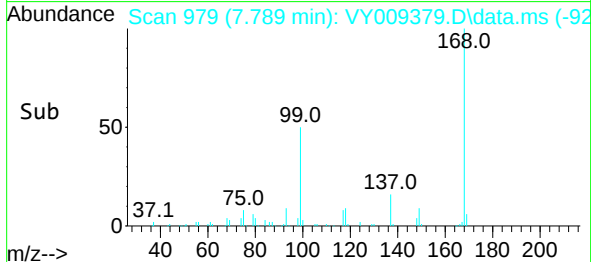
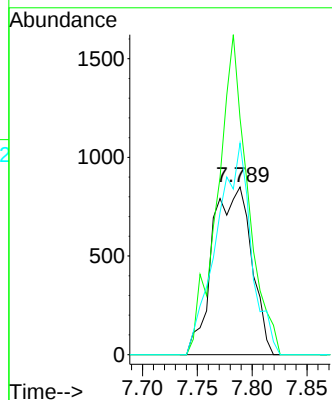
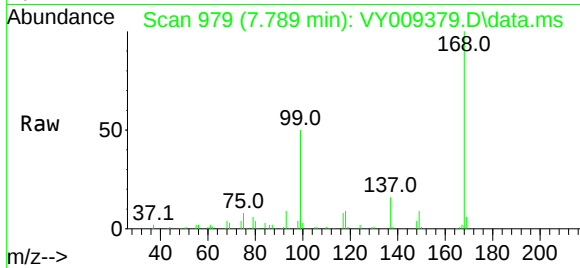




#31
Cyclohexane
Concen: 1.469 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

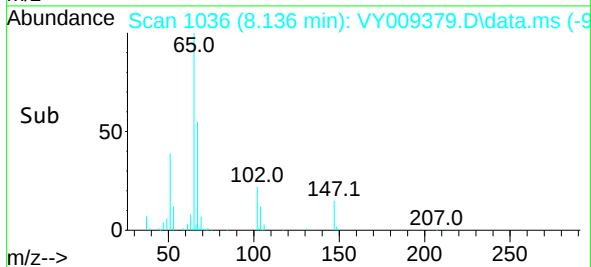
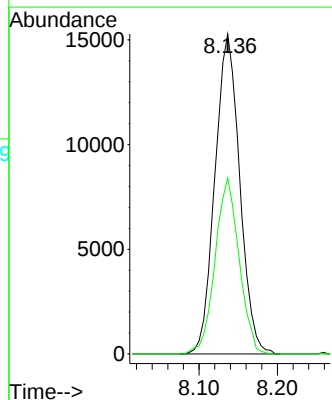
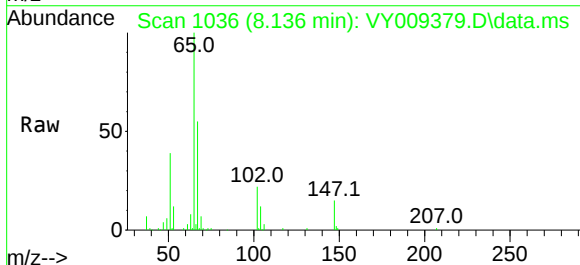
Instrument :
MSVOA_Y
ClientSampleId :
W-2

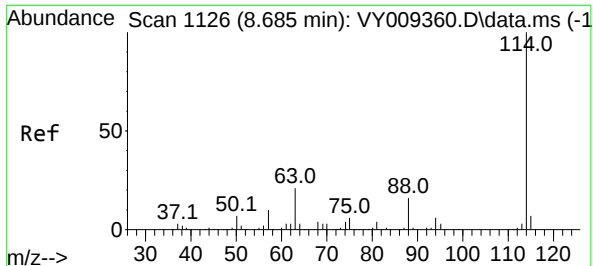
Tgt Ion: 56 Resp: 2109
Ion Ratio Lower Upper
56 100
69 141.1 26.7 40.1#
84 126.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.600 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 65 Resp: 33571
Ion Ratio Lower Upper
65 100
67 53.3 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: VY009379.D

Acq: 29 Jun 2022 17:42

Instrument :

MSVOA_Y

ClientSampleId :

W-2

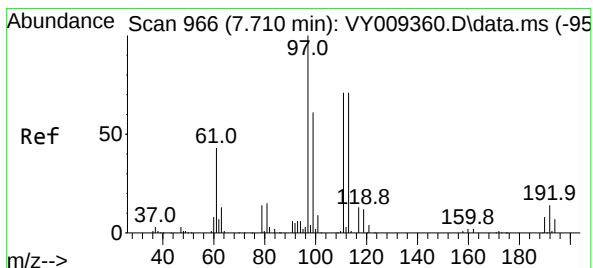
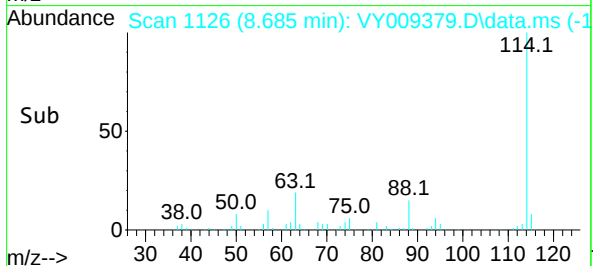
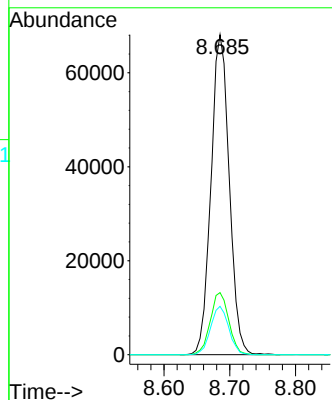
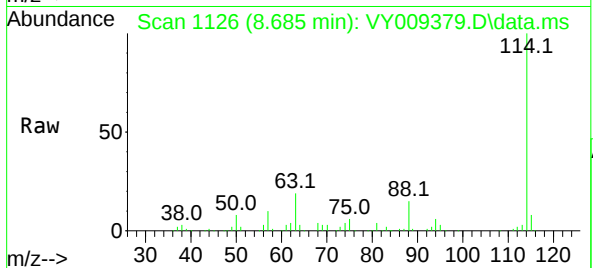
Tgt Ion:114 Resp: 131700

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.277 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009379.D

Acq: 29 Jun 2022 17:42

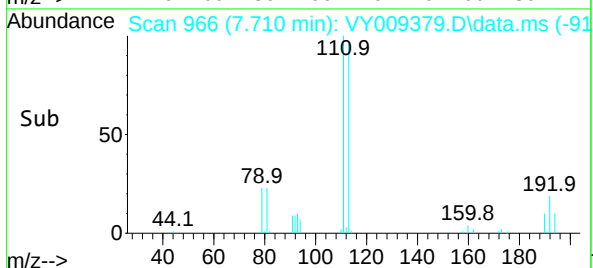
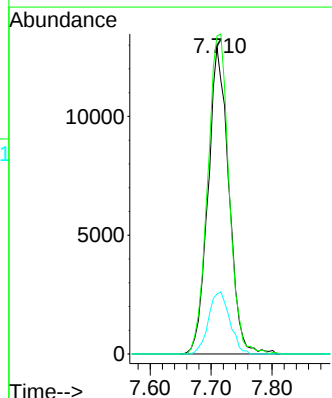
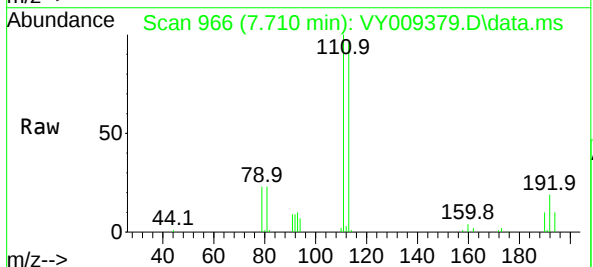
Tgt Ion:113 Resp: 30644

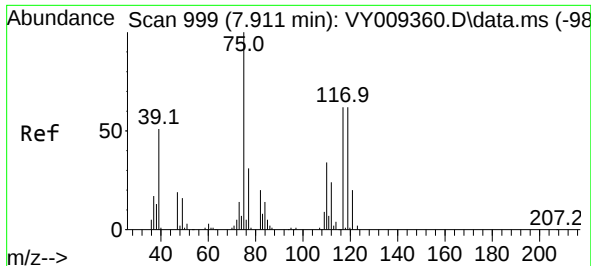
Ion Ratio Lower Upper

113 100

111 107.1 82.6 124.0

192 20.6 17.6 26.4

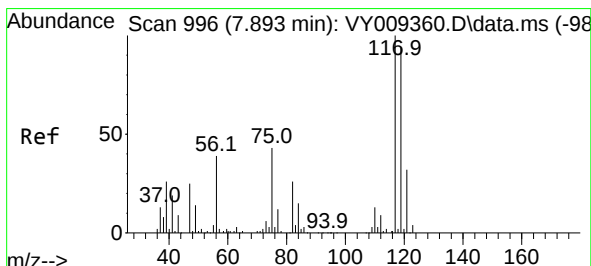
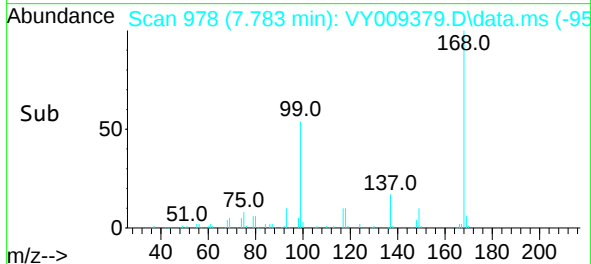
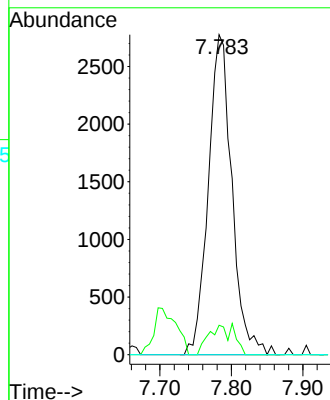
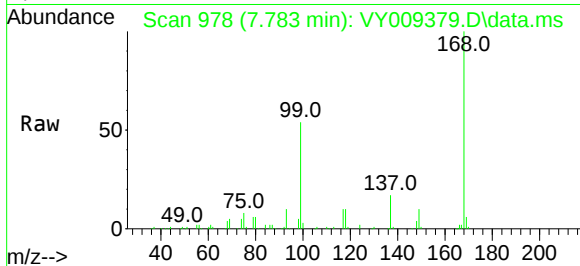




#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

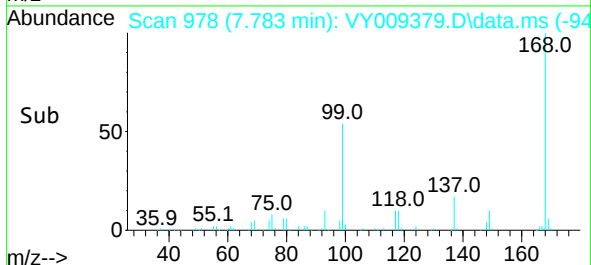
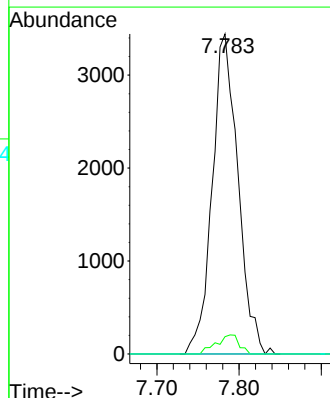
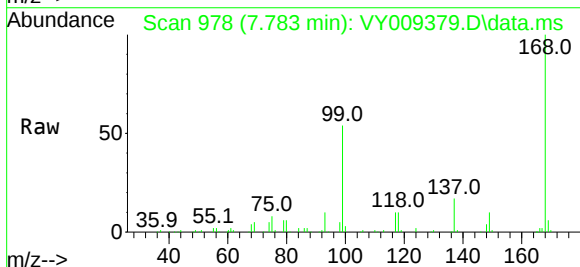
Instrument :
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ClientSampleId :
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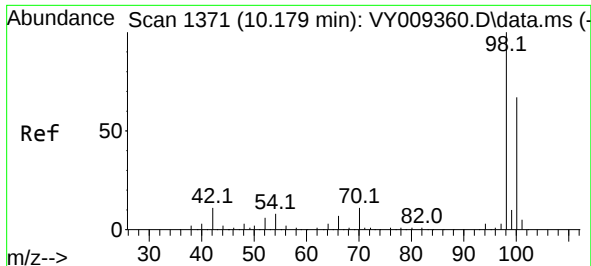
Tgt Ion: 75 Resp: 6368
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 117 Resp: 7507
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#

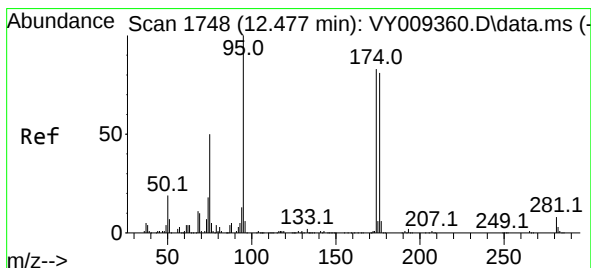
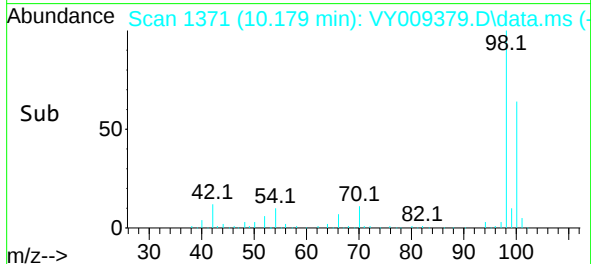
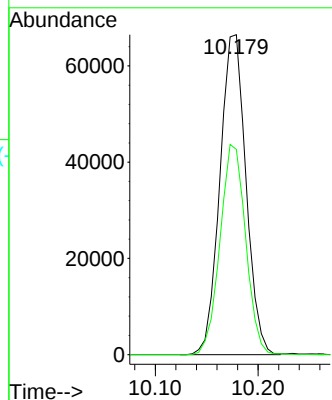
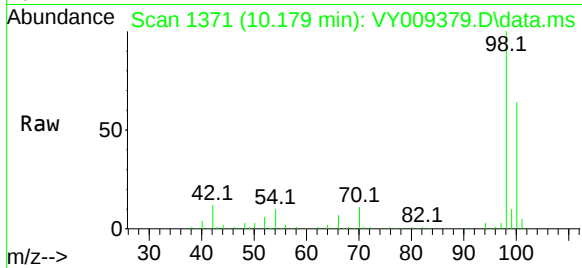




#50
Toluene-d8
Concen: 52.694 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

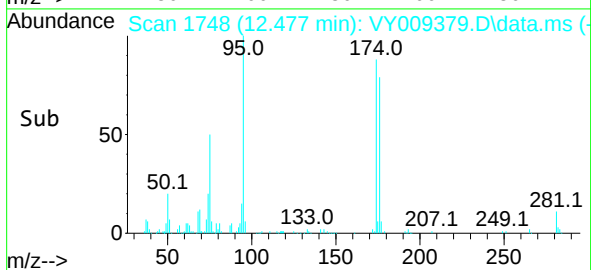
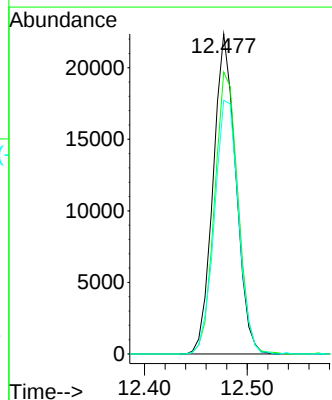
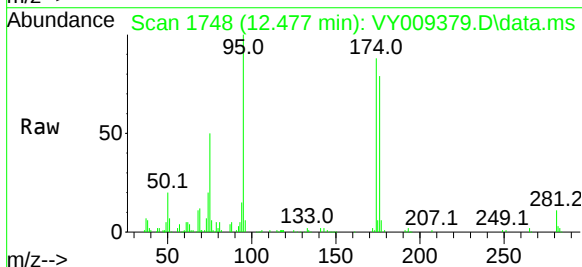
Instrument :
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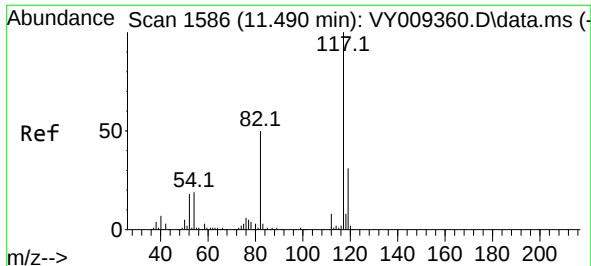
Tgt Ion: 98 Resp: 117105
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.512 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 95 Resp: 34268
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 84.1 0.0 175.8

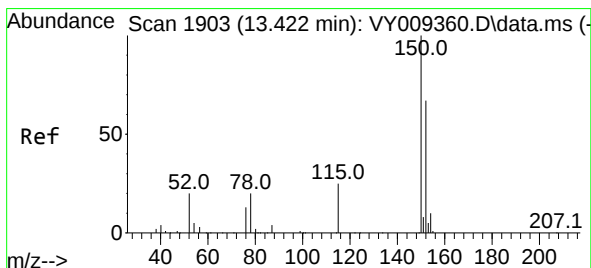
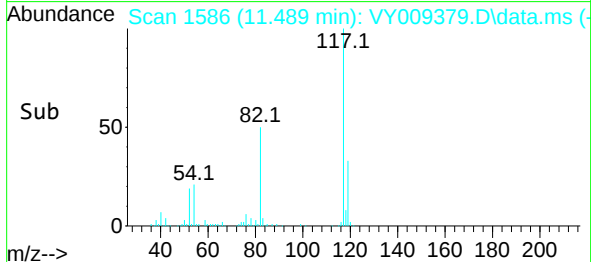
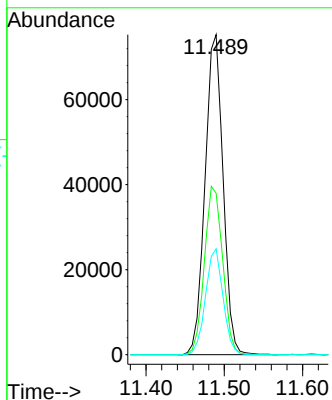
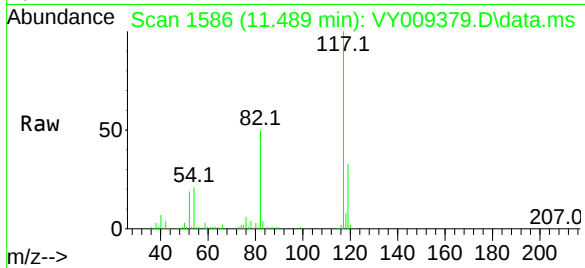




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

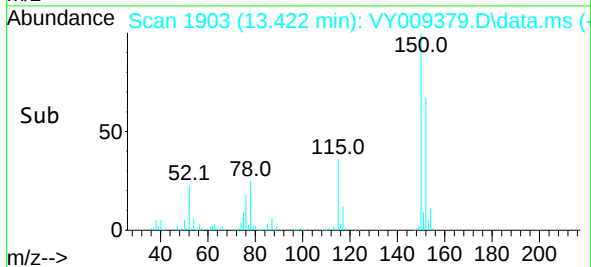
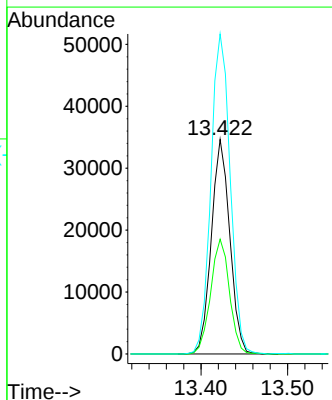
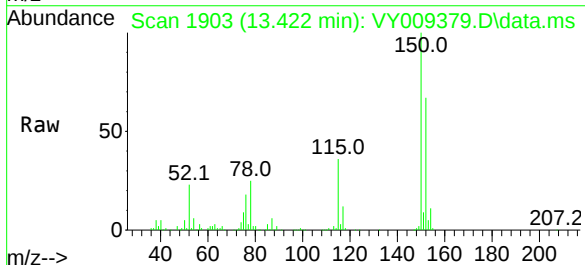
Instrument :
MSVOA_Y
ClientSampleId :
W-2

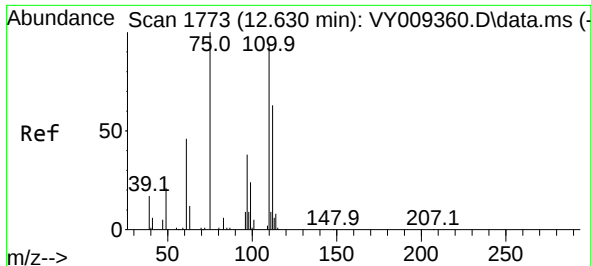
Tgt Ion:117 Resp: 120190
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion:152 Resp: 51333
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 155.5 0.0 347.6

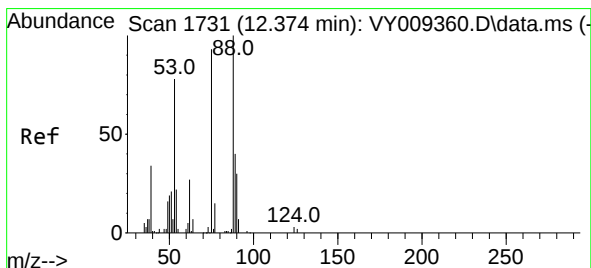
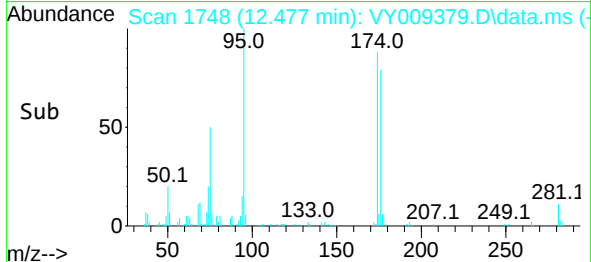
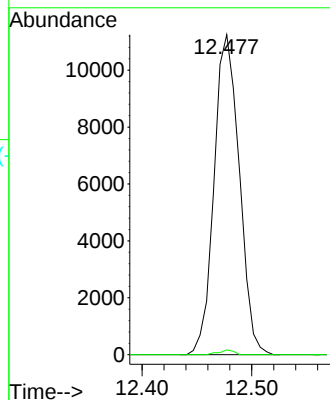
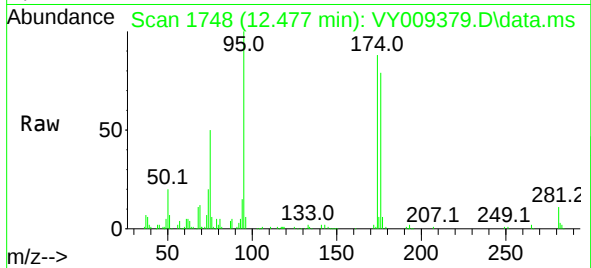




#76
1,2,3-Trichloropropane
Concen: 29.899 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Instrument :
MSVOA_Y
ClientSampleId :
W-2

Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.570 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009379.D
Acq: 29 Jun 2022 17:42

Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

