

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011959.D
 Acq On : 21 Dec 2022 20:04
 Operator : KP/MD
 Sample : N6161-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31878

Quant Time: Dec 22 00:15:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

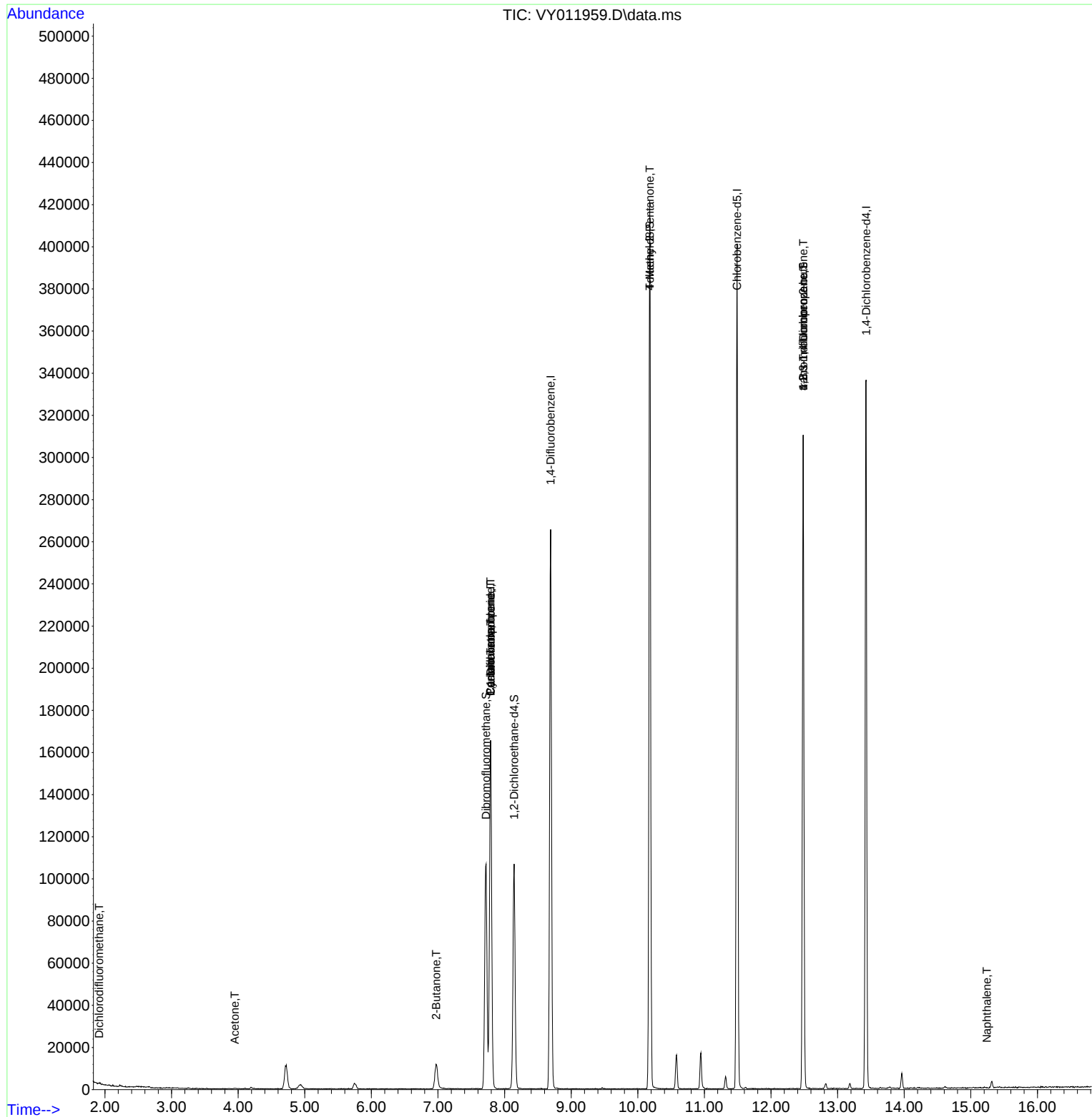
Internal Standards						
1) Pentafluorobenzene	7.789	168	128381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	219880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84055	64.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.980%	
35) Dibromofluoromethane	7.722	113	76082	55.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.080%	
50) Toluene-d8	10.179	98	281379	50.173	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.483	95	84901	45.013	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	21	2.487	ug/l #	41
11) Tert butyl alcohol	4.917	59	1364	Below Cal	#	74
16) Acetone	3.948	43	318	5.682	ug/l #	40
20) Methylene Chloride	4.716	84	8746	Below Cal	#	91
25) 2-Butanone	6.972	43	801	1.859	ug/l #	46
31) Cyclohexane	7.789	56	2349	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9348	4.216	ug/l #	44
38) Carbon Tetrachloride	7.789	117	12842	5.015	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	1034	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	44688	39.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44688	107.655	ug/l #	13
95) Naphthalene	15.239	128	125	2.813	ug/l #	69

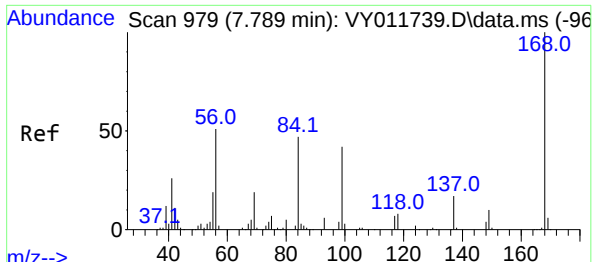
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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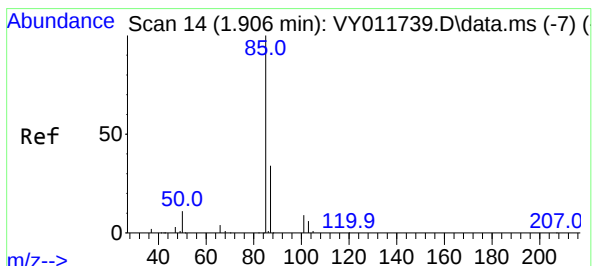
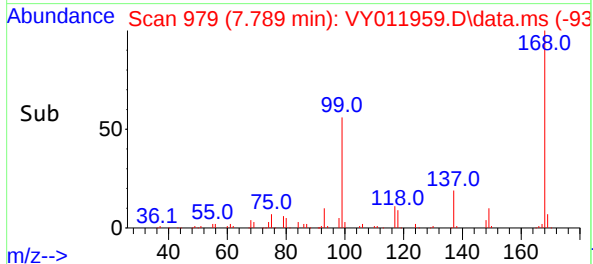
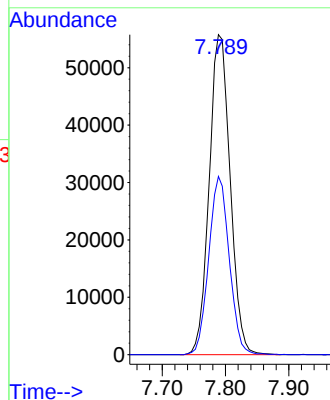
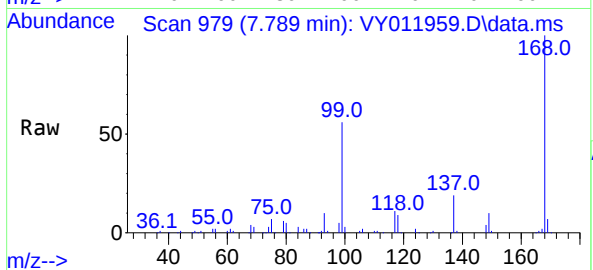




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

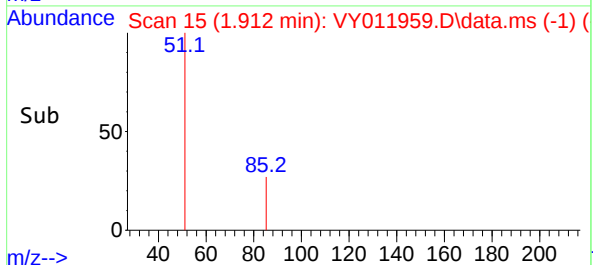
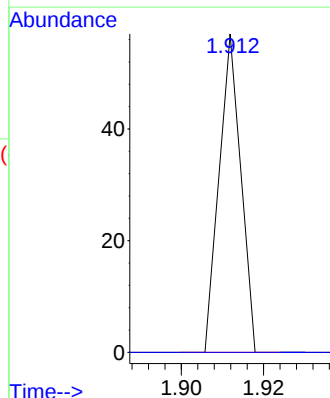
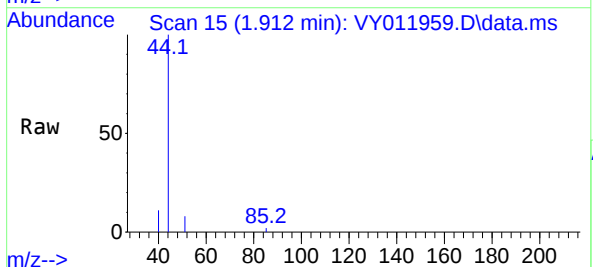
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MSVOA_Y
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31878

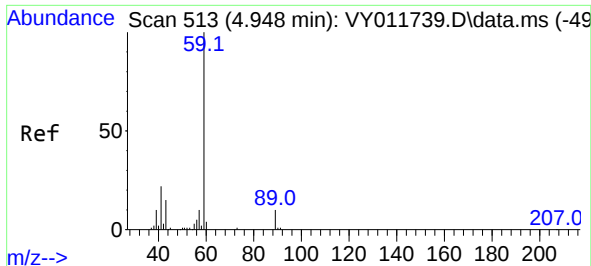
Tgt Ion:168 Resp: 128381
Ion Ratio Lower Upper
168 100
99 55.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.487 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

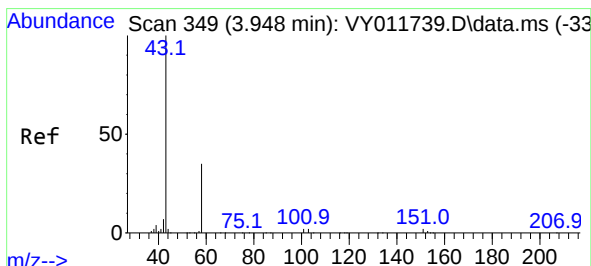
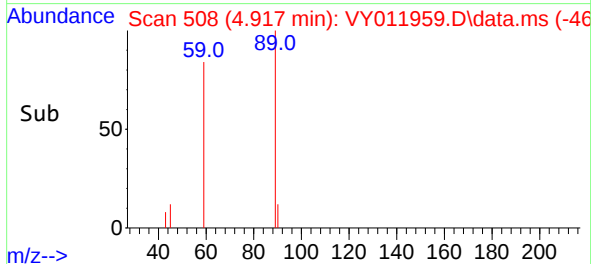
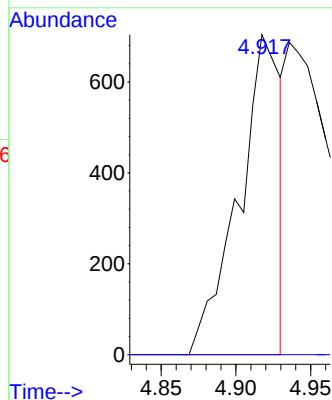
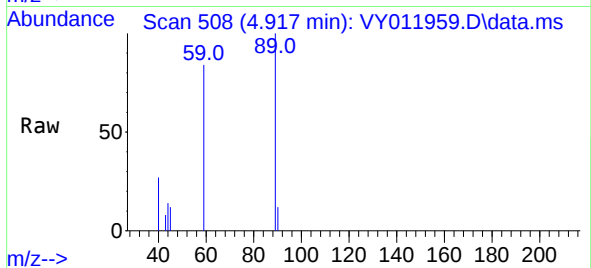




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

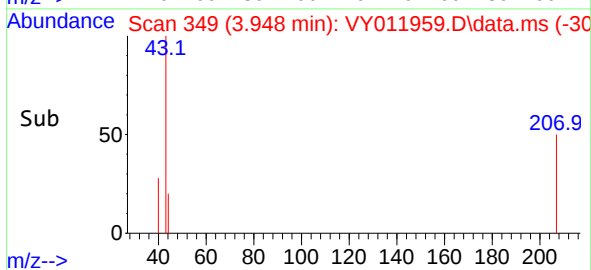
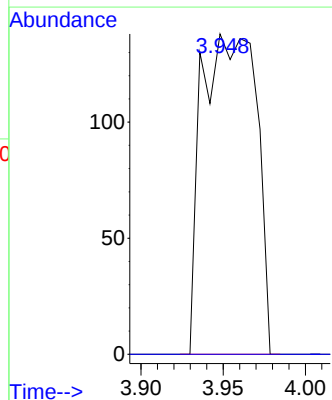
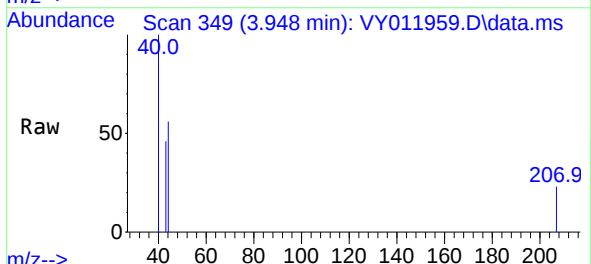
Instrument :
MSVOA_Y
ClientSampleId :
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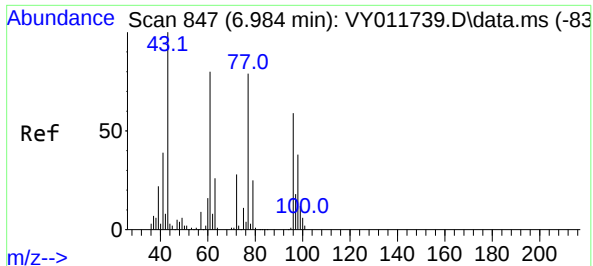
Tgt Ion: 59 Resp: 1364
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.682 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





#25

2-Butanone

Concen: 1.859 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011959.D

Acq: 21 Dec 2022 20:04

Instrument :

MSVOA_Y

ClientSampleId :

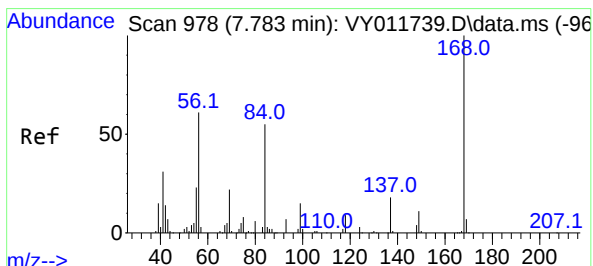
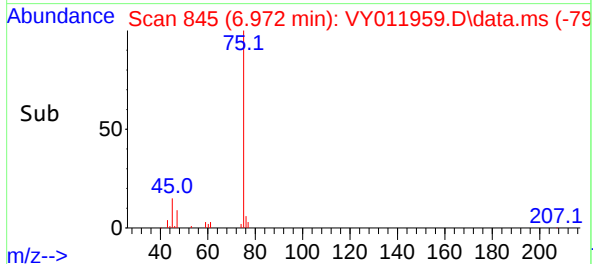
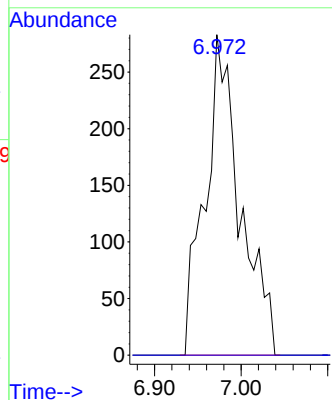
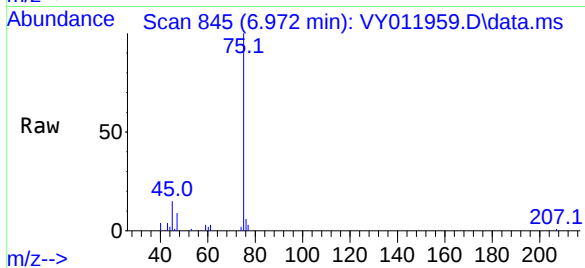
31878

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011959.D

Acq: 21 Dec 2022 20:04

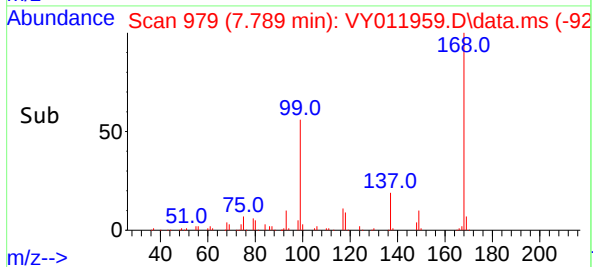
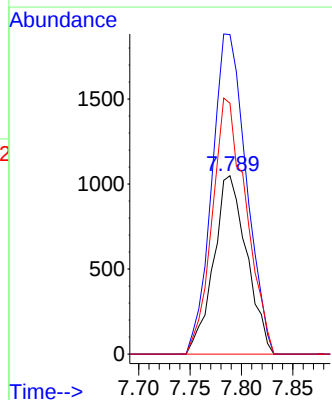
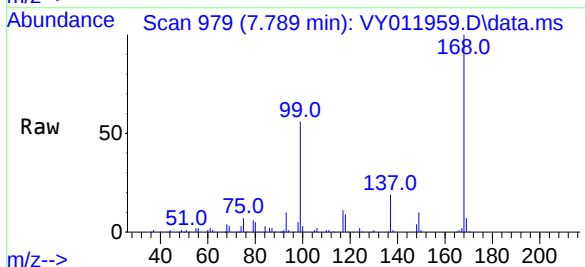
Tgt Ion: 56 Resp: 2349

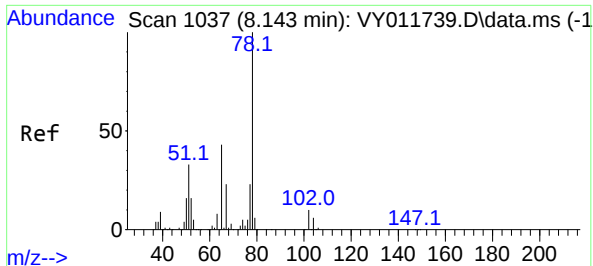
Ion Ratio Lower Upper

56 100

69 179.1 29.2 43.8#

84 140.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 64.987 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011959.D

Acq: 21 Dec 2022 20:04

Instrument :

MSVOA_Y

ClientSampleId :

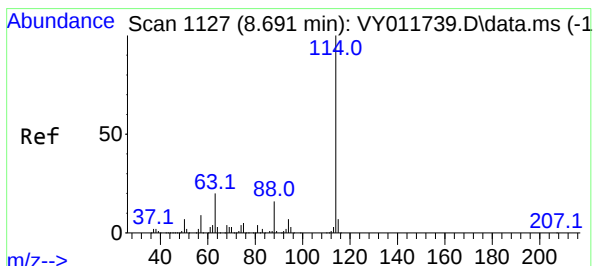
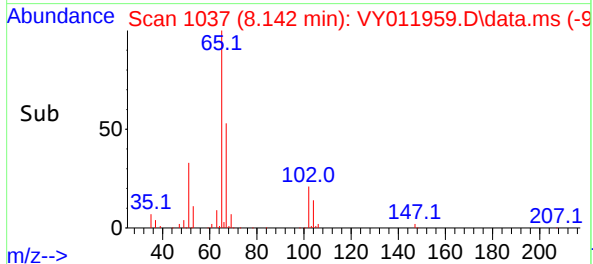
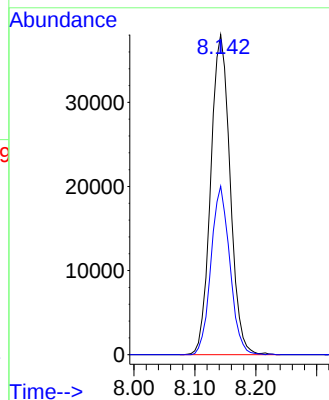
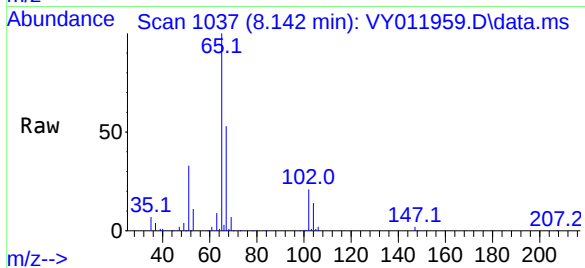
31878

Tgt Ion: 65 Resp: 84055

Ion Ratio Lower Upper

65 100

67 51.1 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: VY011959.D

Acq: 21 Dec 2022 20:04

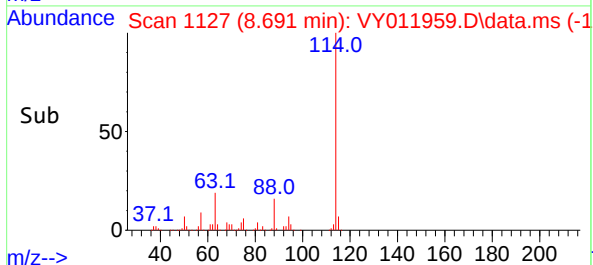
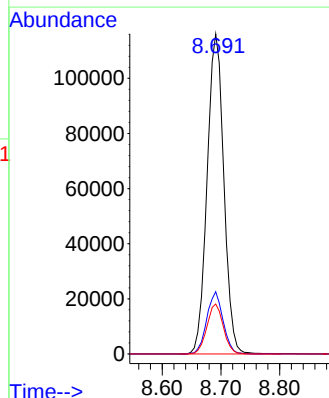
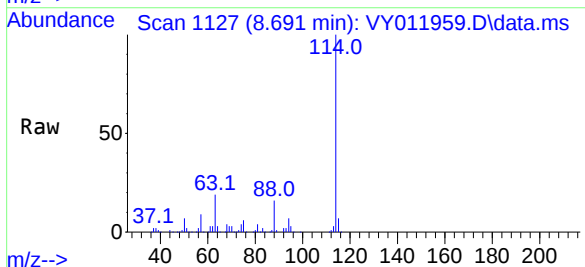
Tgt Ion:114 Resp: 229600

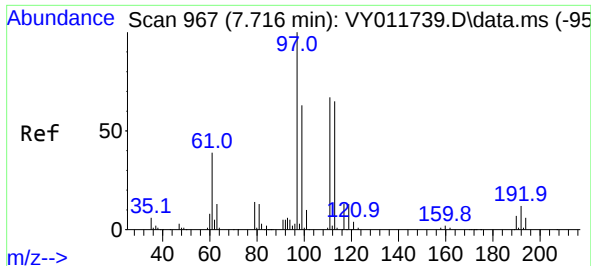
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.6 0.0 32.2

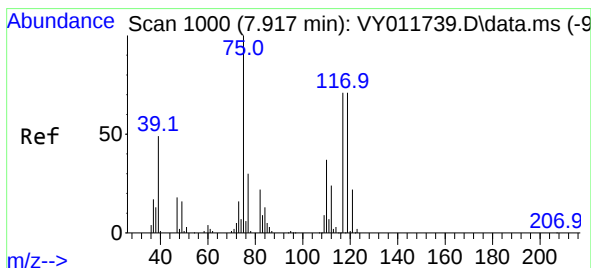
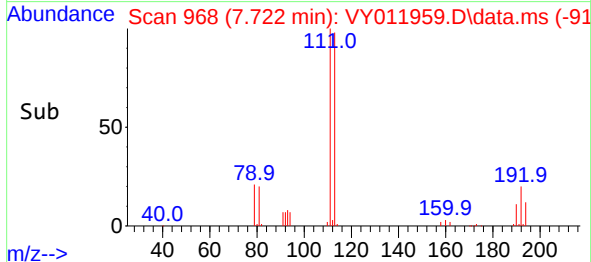
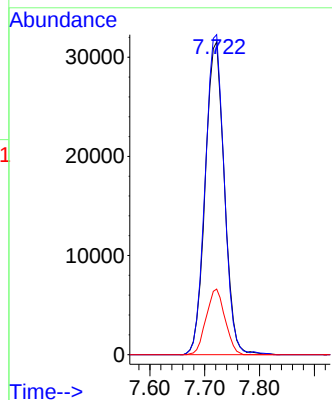
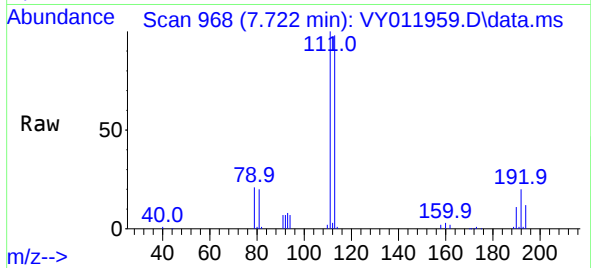




#35
Dibromofluoromethane
Concen: 55.042 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

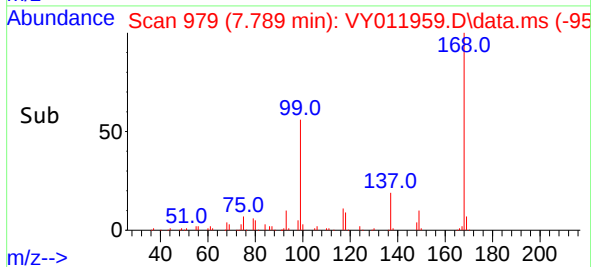
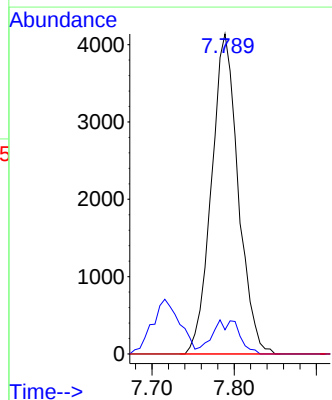
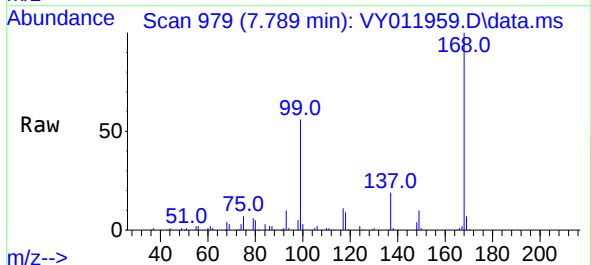
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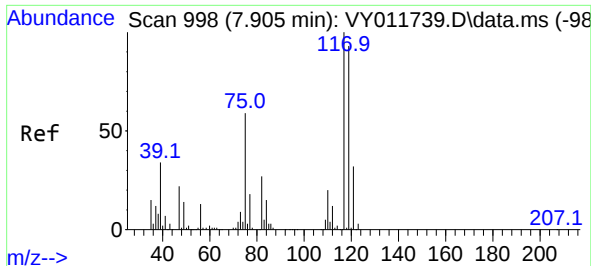
Tgt Ion:113 Resp: 76082
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.4
192 20.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 75 Resp: 9348
Ion Ratio Lower Upper
75 100
110 3.8 18.1 54.1#
77 0.0 25.1 37.7#

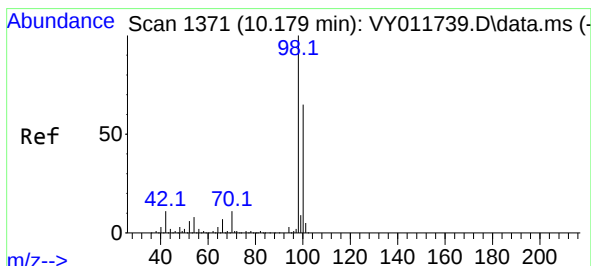
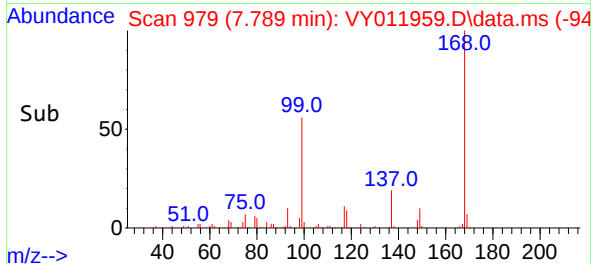
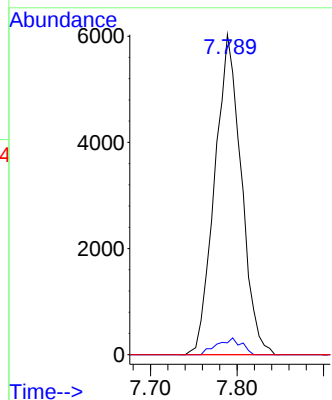
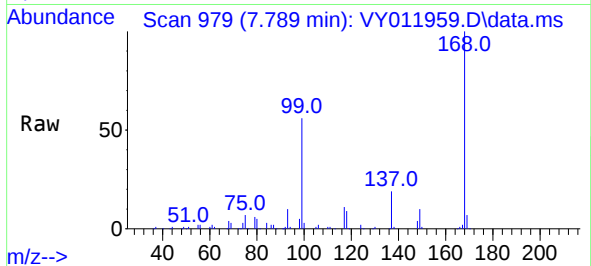




#38
Carbon Tetrachloride
Concen: 5.015 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

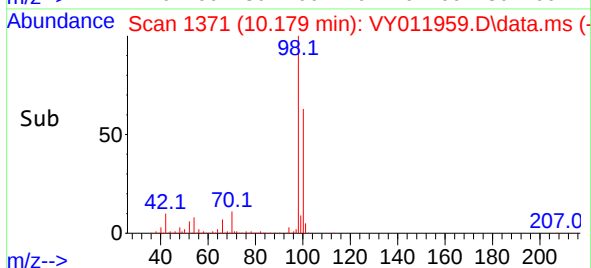
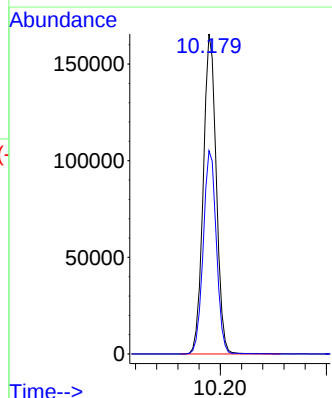
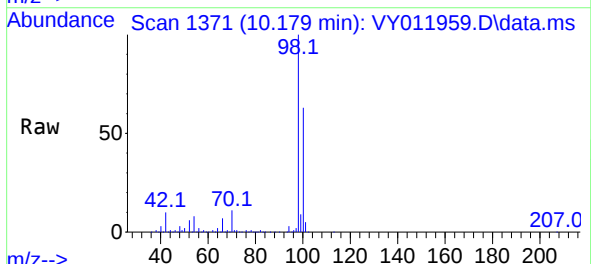
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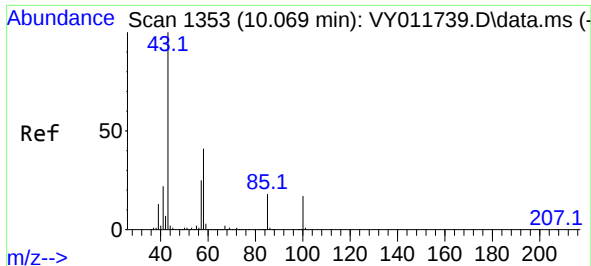
Tgt Ion:117 Resp: 12842
Ion Ratio Lower Upper
117 100
119 3.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 50.173 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 98 Resp: 281379
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

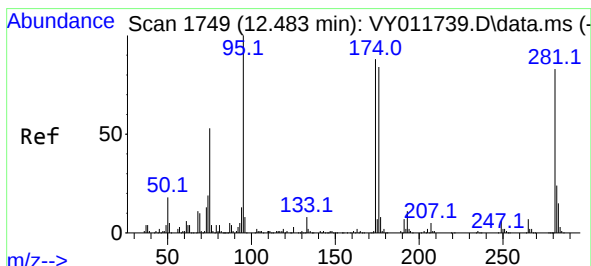
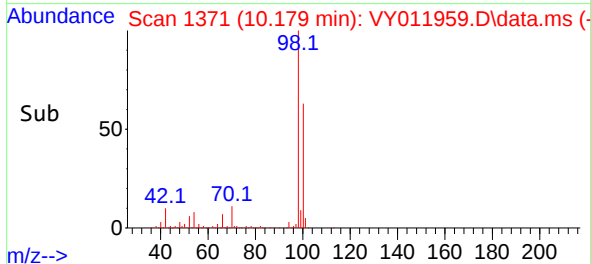
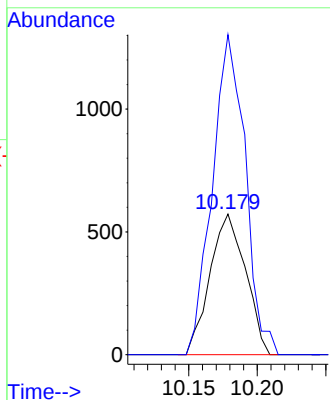
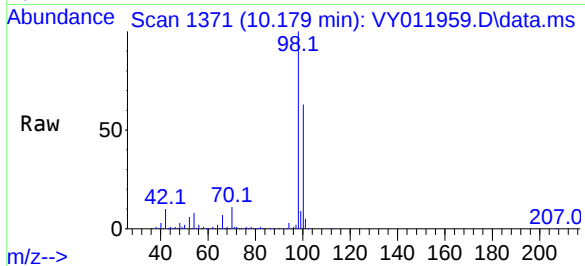




#51
4-Methyl-2-Pentanone
Concen: 1.067 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

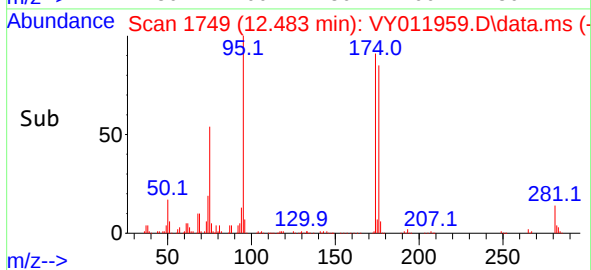
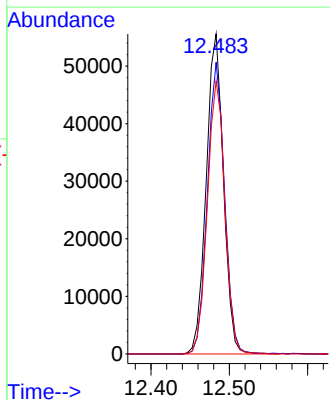
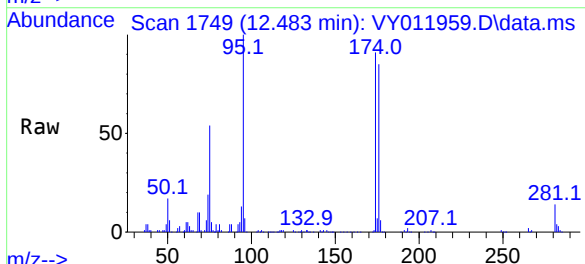
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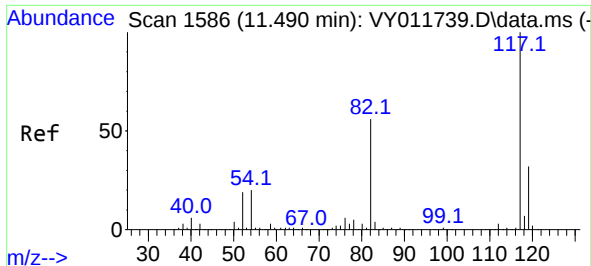
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
58 210.8 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 45.013 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 95 Resp: 84901
Ion Ratio Lower Upper
95 100
174 91.4 0.0 172.0
176 86.8 0.0 167.6

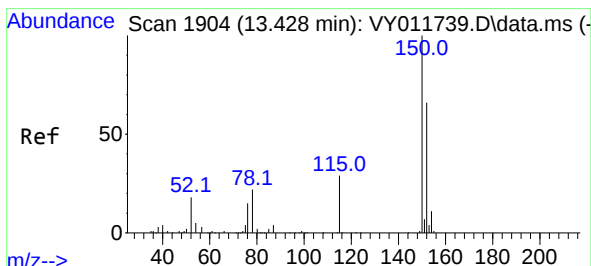
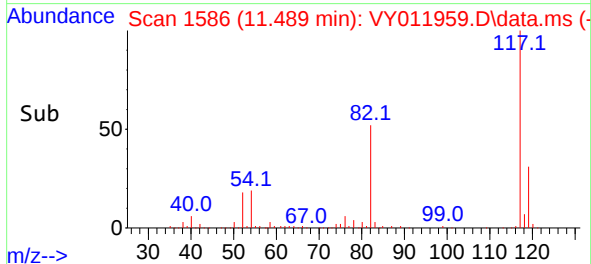
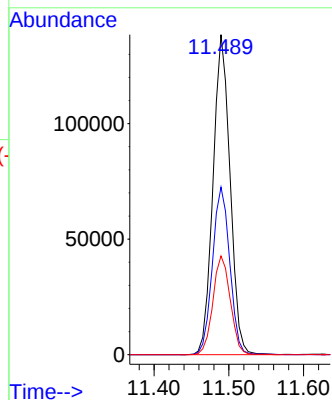
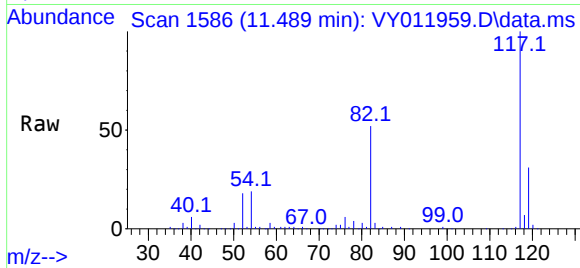




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

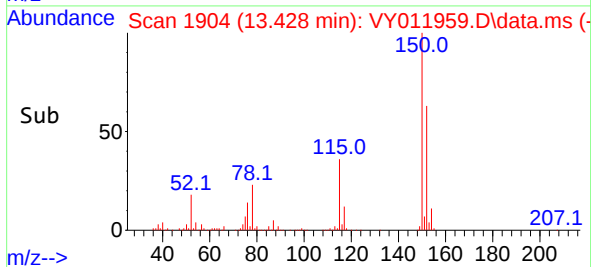
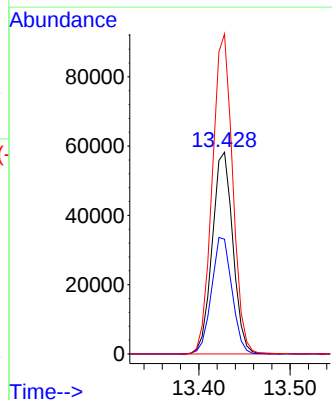
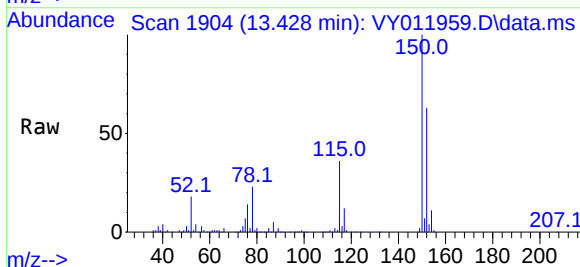
Instrument :
MSVOA_Y
ClientSampleId :
31878

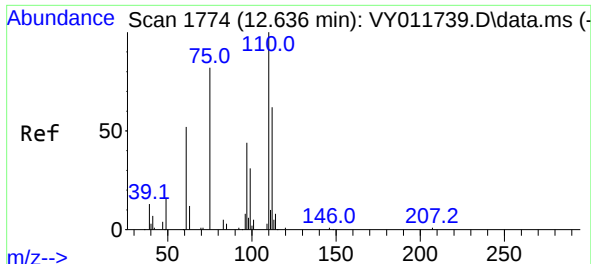
Tgt Ion:117 Resp: 219880
Ion Ratio Lower Upper
117 100
82 52.3 44.8 67.2
119 30.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion:152 Resp: 91355
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 156.6 0.0 342.6

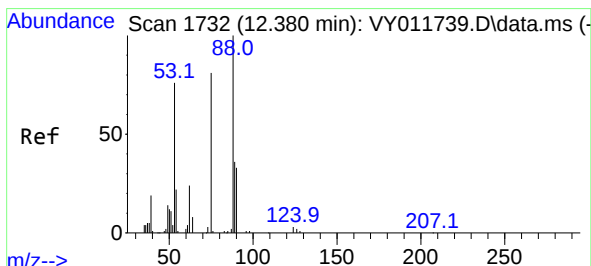
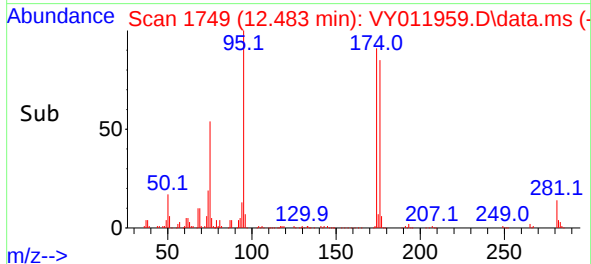
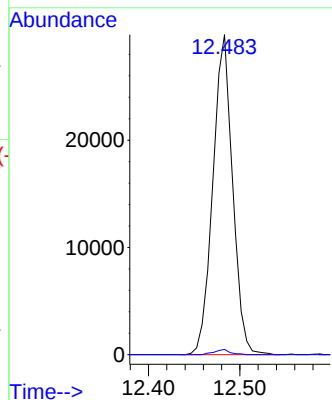
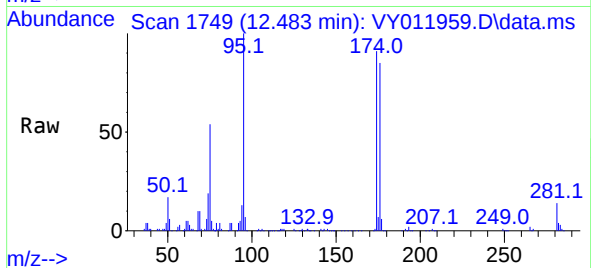




#76
1,2,3-Trichloropropane
Concen: 39.312 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

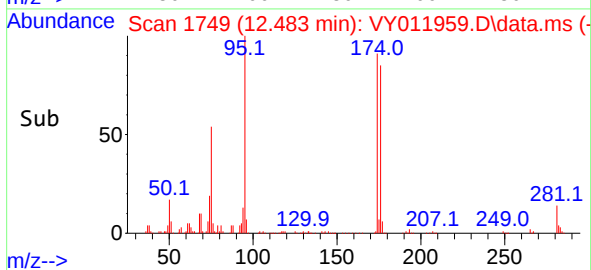
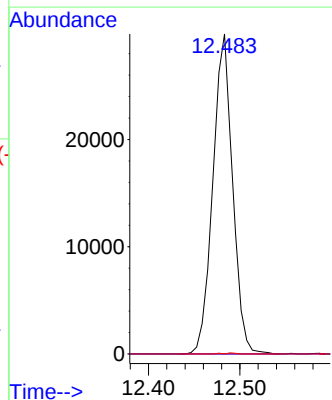
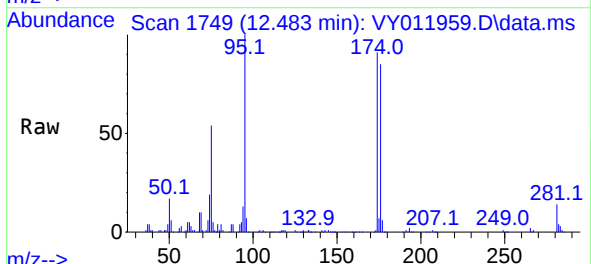
Instrument :
MSVOA_Y
ClientSampleId :
31878

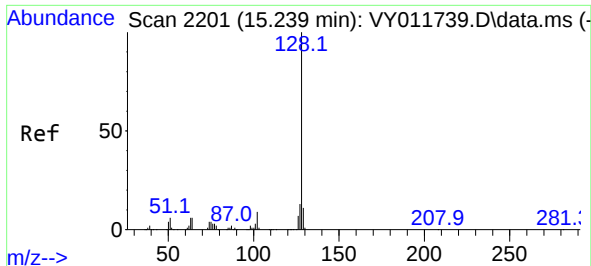
Tgt Ion: 75 Resp: 44688
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.655 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011959.D
Acq: 21 Dec 2022 20:04

Tgt Ion: 75 Resp: 44688
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#





#95

Naphthalene

Concen: 2.813 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011959.D

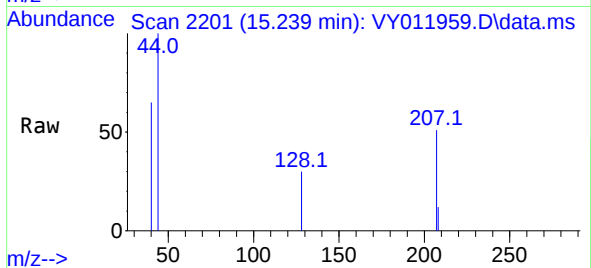
Acq: 21 Dec 2022 20:04

Instrument :

MSVOA_Y

ClientSampleId :

31878



Tgt Ion:	128	Resp:	125
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

