

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010832.D
 Acq On : 05 Oct 2022 19:48
 Operator : KP/MD
 Sample : N5004-14
 Misc : 9.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22013-15.5

Quant Time: Oct 06 09:24:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

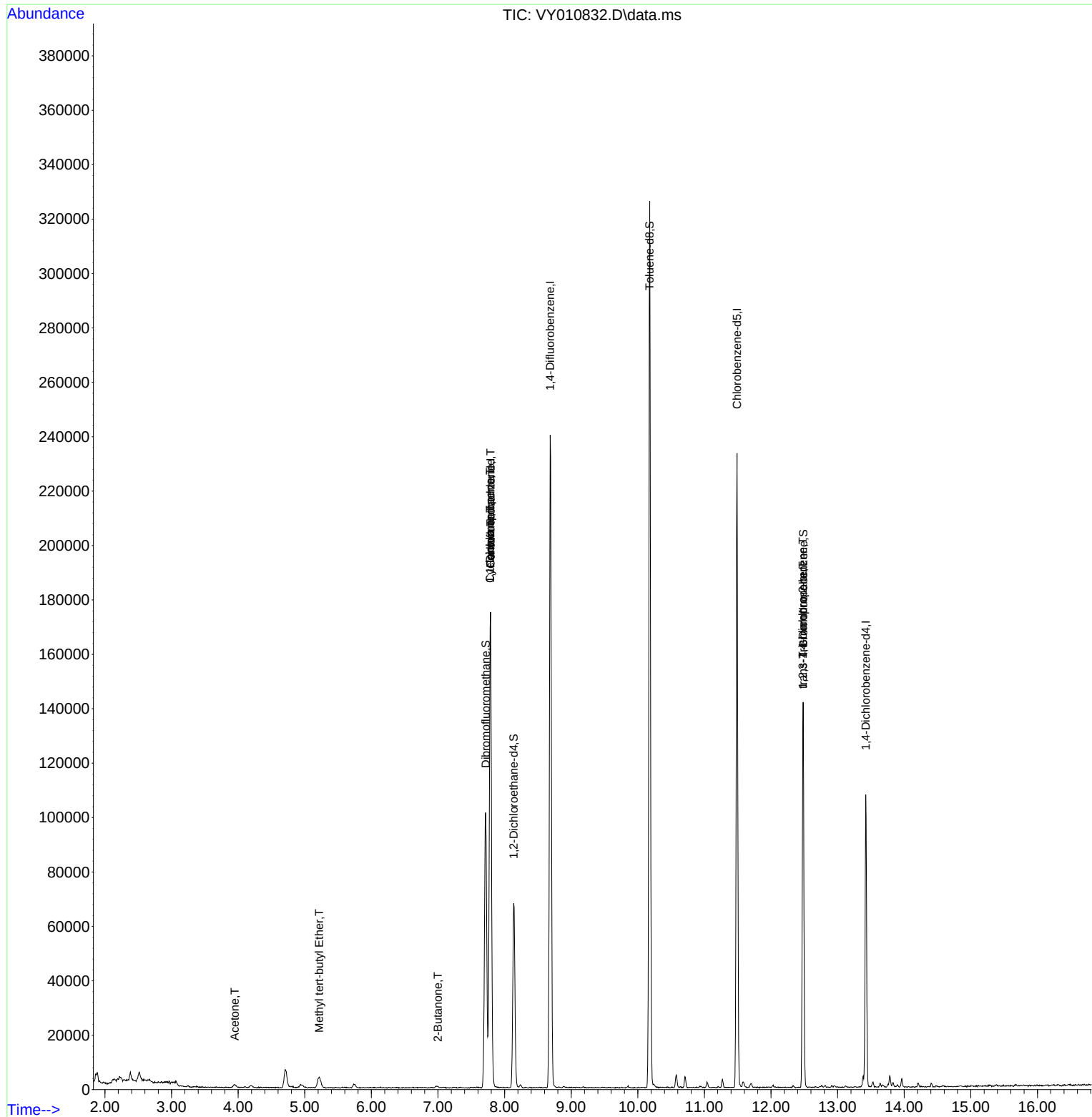
Internal Standards						
1) Pentafluorobenzene	7.789	168	134441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	206800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	124997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	27751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54053	39.665	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.340%
35) Dibromofluoromethane	7.715	113	72602	52.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.780%
50) Toluene-d8	10.178	98	208185	44.345	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.700%
62) 4-Bromofluorobenzene	12.483	95	40014	19.578	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.160%
Target Compounds						
11) Tert butyl alcohol	4.948	59	2195	Below Cal	#	85
16) Acetone	3.948	43	2122	6.131	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	6620	1.990	ug/l	99
20) Methylene Chloride	4.710	84	5224	Below Cal	#	80
25) 2-Butanone	6.996	43	817	1.642	ug/l	# 54
31) Cyclohexane	7.782	56	2891	1.185	ug/l	# 1
36) 1,1-Dichloropropene	7.782	75	10749	5.424	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	13664	6.620	ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	20188	71.835	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	20188	150.058	ug/l	# 7

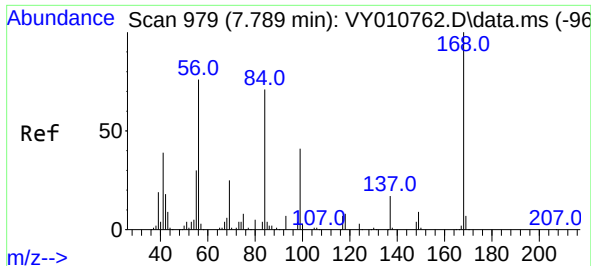
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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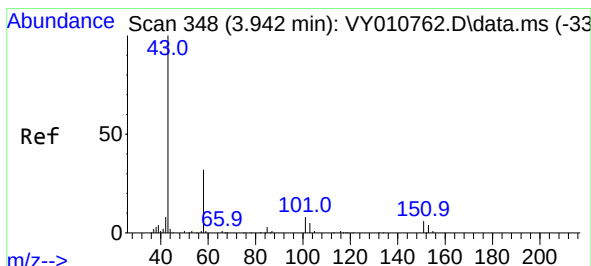
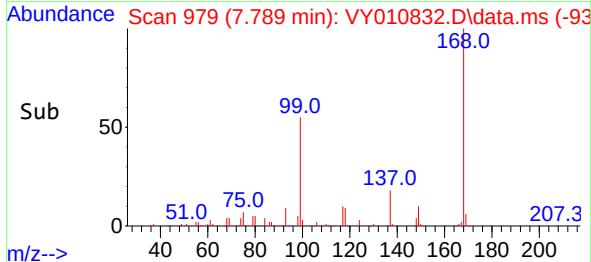
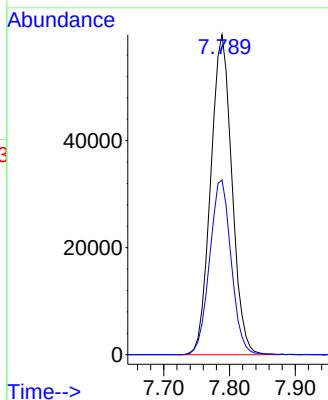
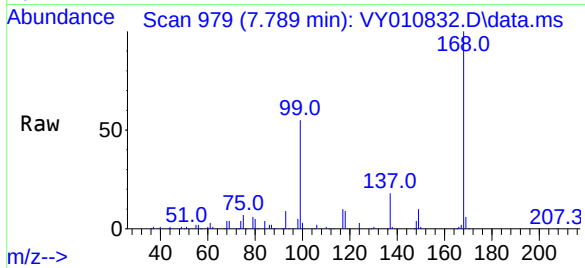




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

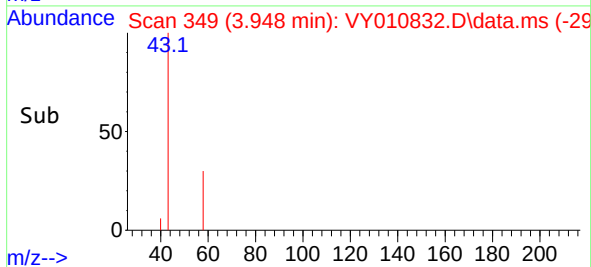
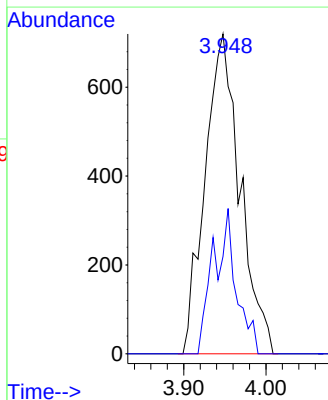
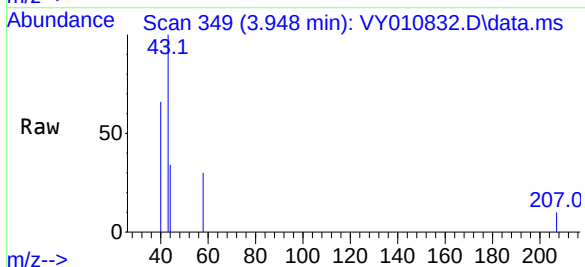
Instrument :
MSVOA_Y
ClientSampleId :
D22013-15.5

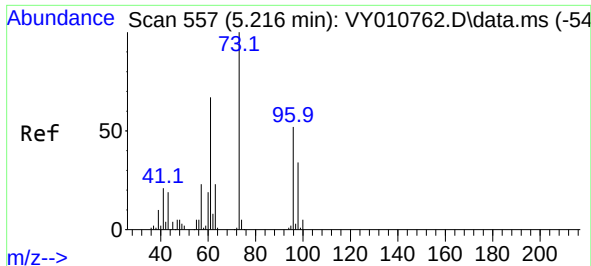
Tgt Ion:168 Resp: 134441
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#16
Acetone
Concen: 6.131 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0

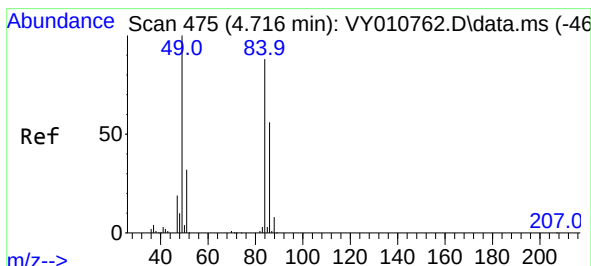
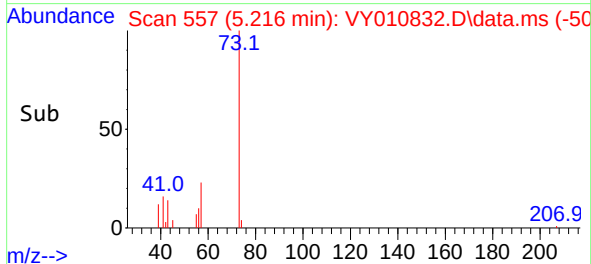
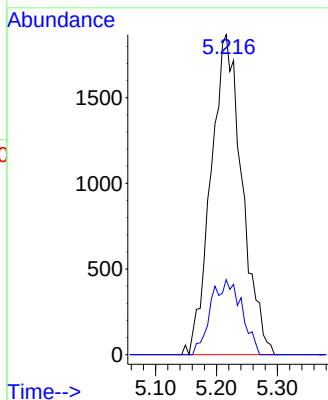
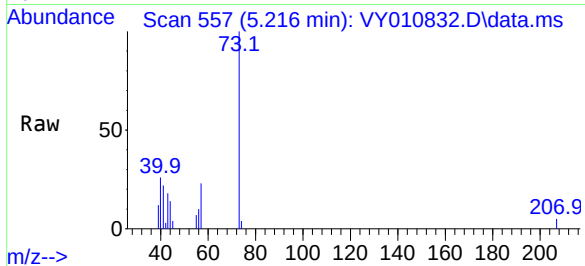




#19
Methyl tert-butyl Ether
Concen: 1.990 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

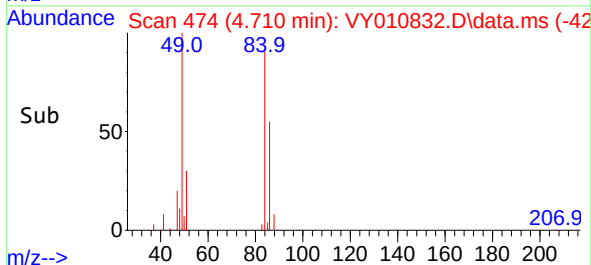
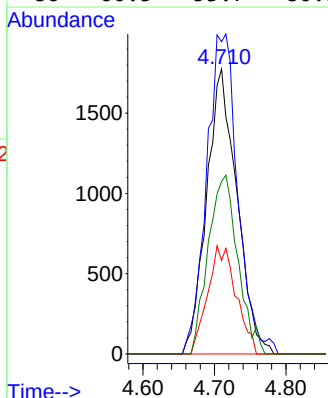
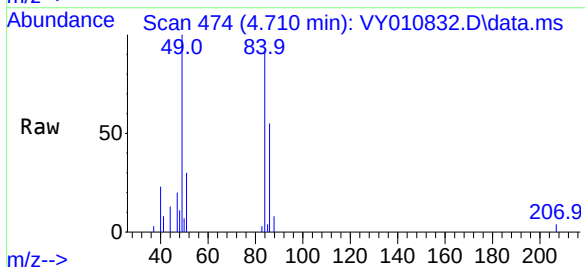
Instrument :
MSVOA_Y
ClientSampleId :
D22013-15.5

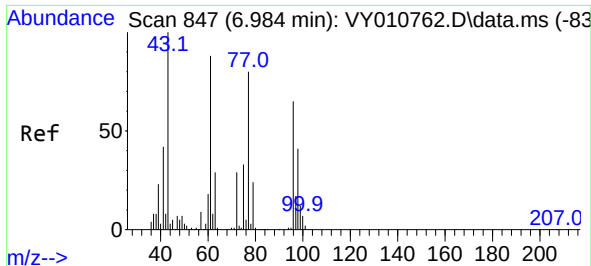
Tgt Ion: 73 Resp: 6620
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 84 Resp: 5224
Ion Ratio Lower Upper
84 100
49 109.5 114.4 171.6#
51 32.8 35.3 52.9#
86 60.5 53.7 80.5





#25

2-Butanone

Concen: 1.642 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY010832.D

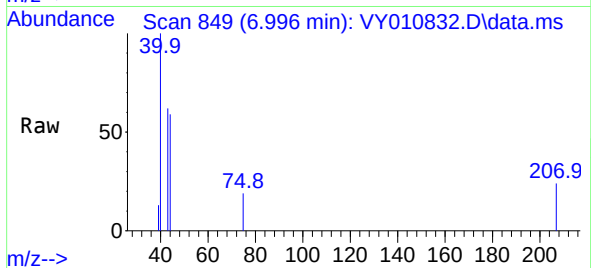
Acq: 05 Oct 2022 19:48

Instrument :

MSVOA_Y

ClientSampleId :

D22013-15.5

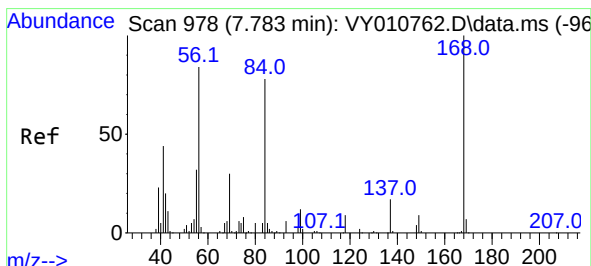
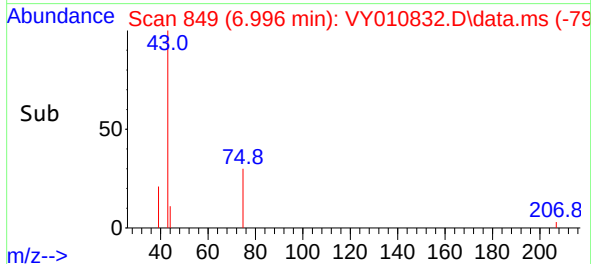
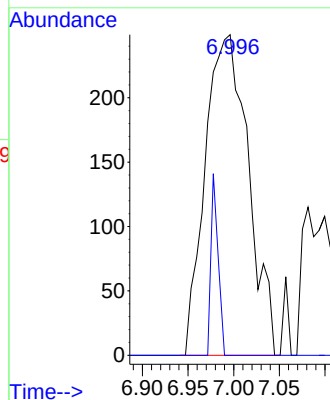


Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.001 min

Lab File: VY010832.D

Acq: 05 Oct 2022 19:48

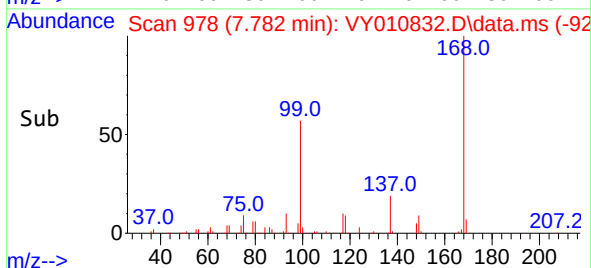
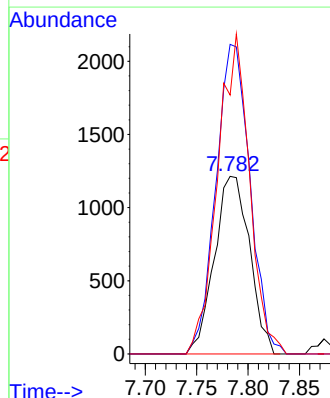
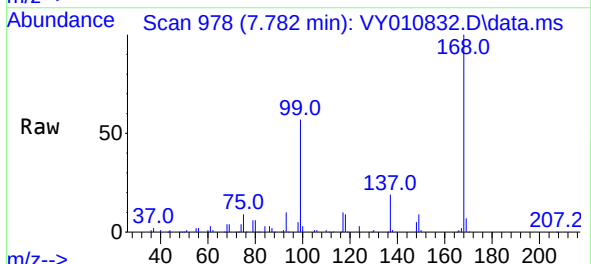
Tgt Ion: 56 Resp: 2891

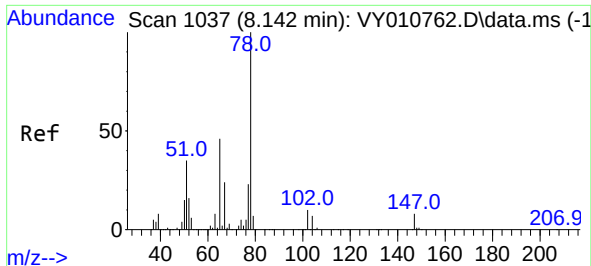
Ion Ratio Lower Upper

56 100

69 174.3 26.7 40.1#

84 145.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 39.665 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010832.D

Acq: 05 Oct 2022 19:48

Instrument :

MSVOA_Y

ClientSampleId :

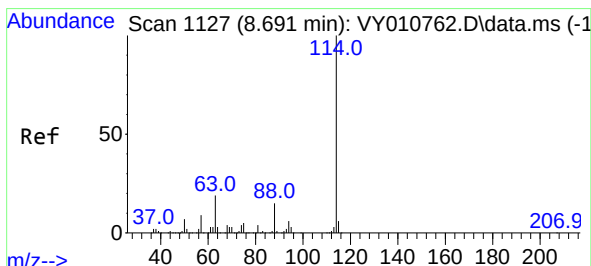
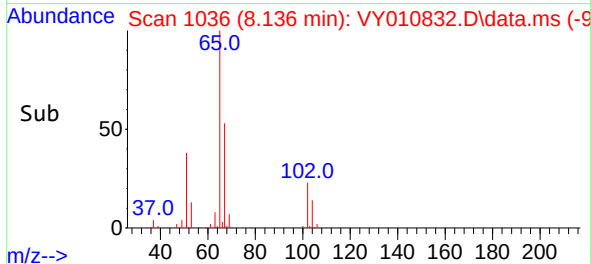
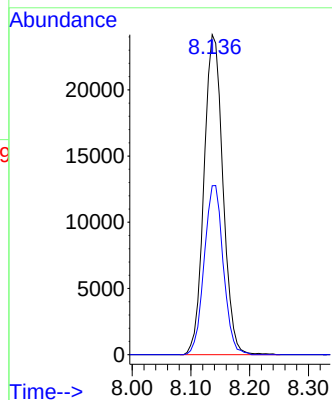
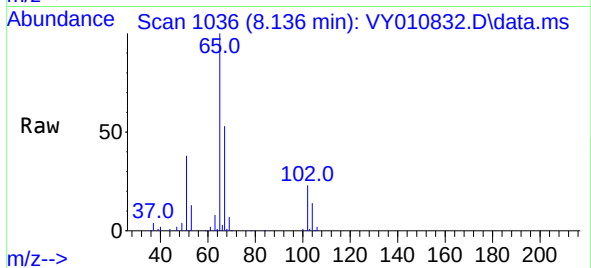
D22013-15.5

Tgt Ion: 65 Resp: 54053

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. -0.006 min

Lab File: VY010832.D

Acq: 05 Oct 2022 19:48

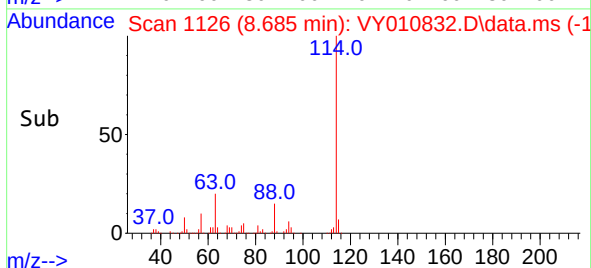
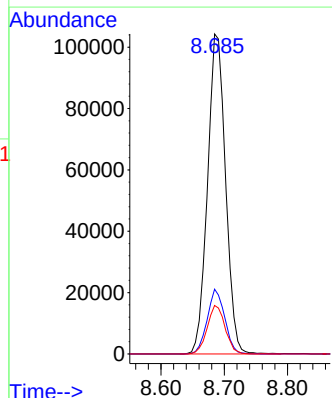
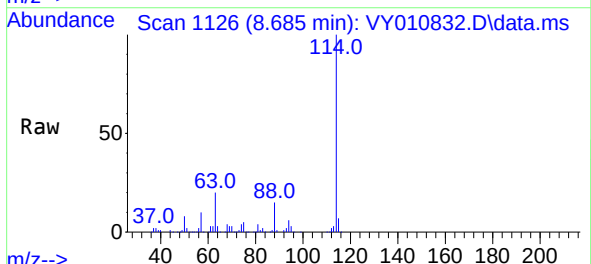
Tgt Ion: 114 Resp: 206800

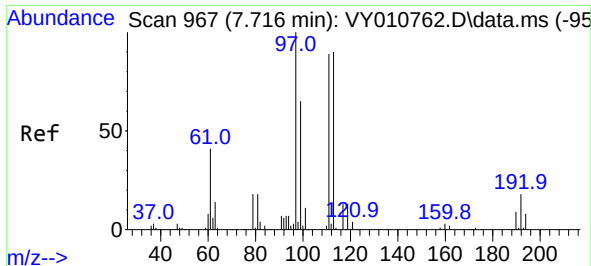
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.2 0.0 31.8

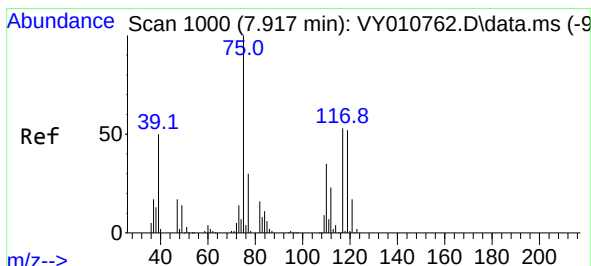
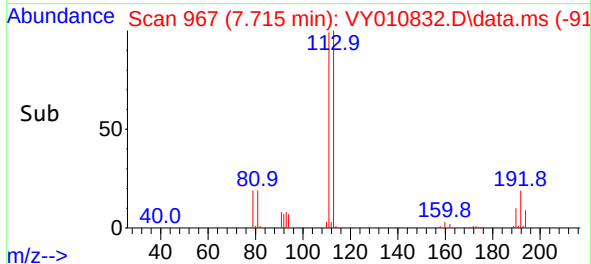
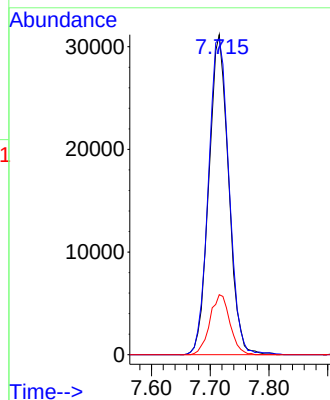
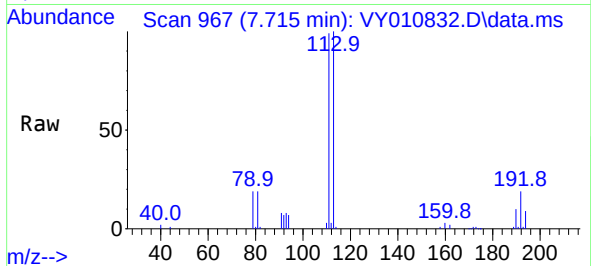




#35
Dibromofluoromethane
Concen: 52.888 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

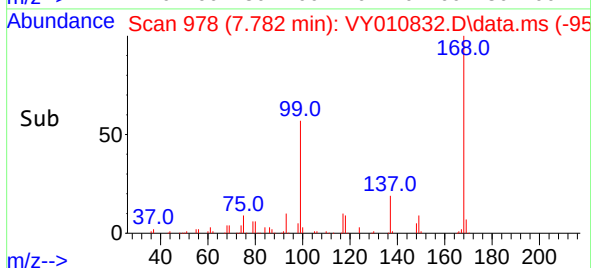
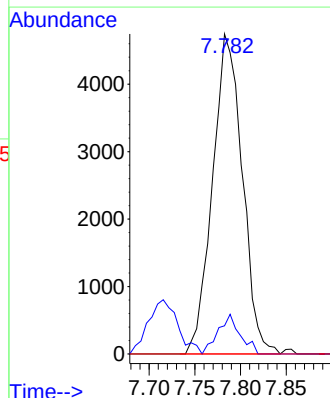
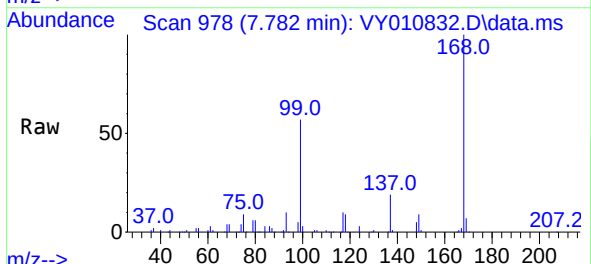
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D22013-15.5

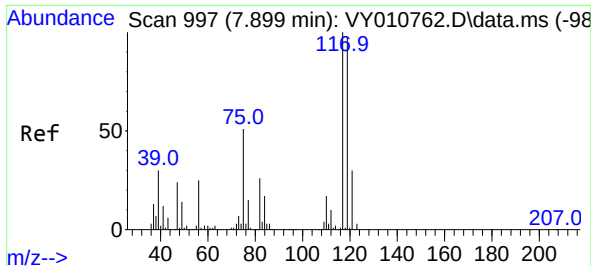
Tgt Ion:113 Resp: 72602
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.424 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 75 Resp: 10749
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

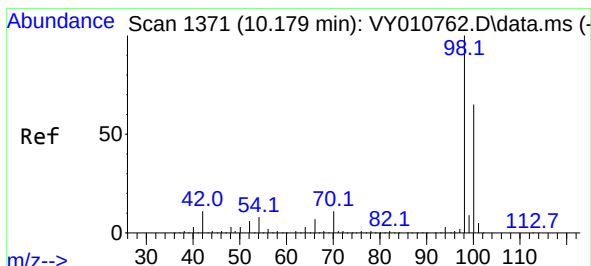
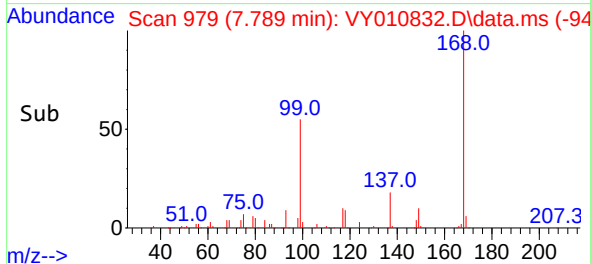
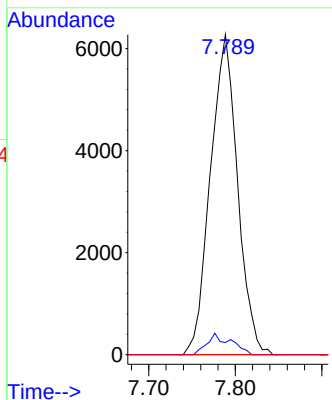
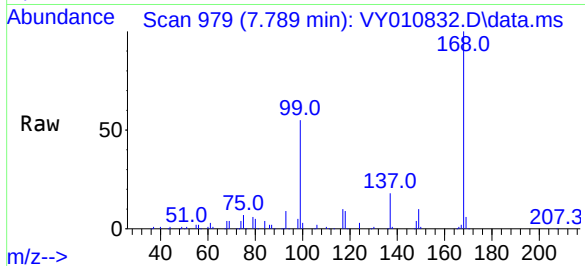




#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

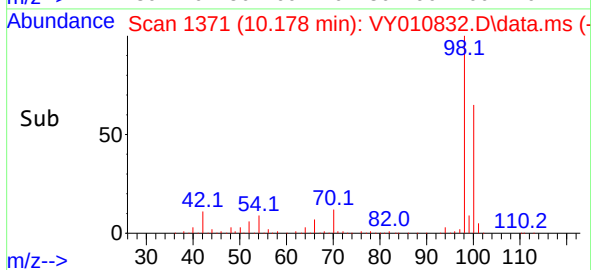
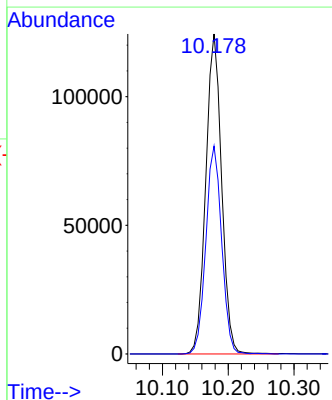
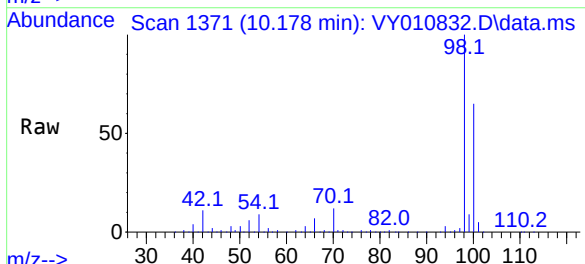
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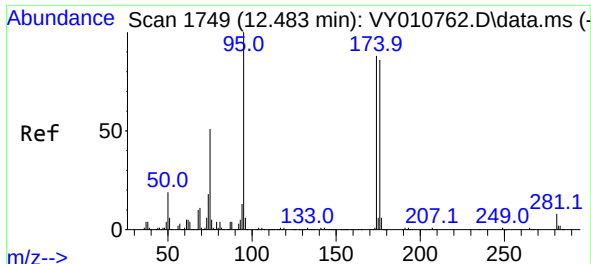
Tgt Ion:117 Resp: 13664
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.345 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 98 Resp: 208185
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

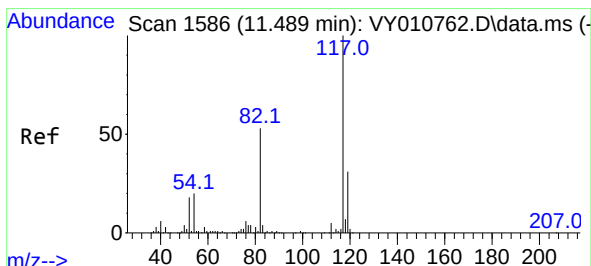
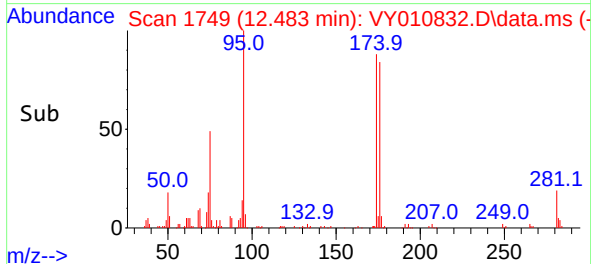
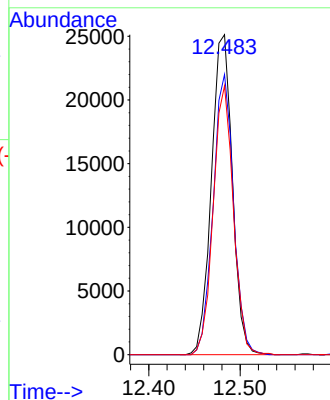
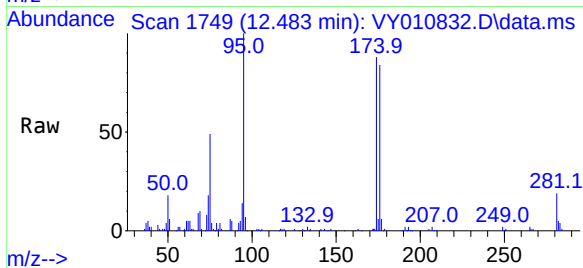




#62
4-Bromofluorobenzene
Concen: 19.578 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

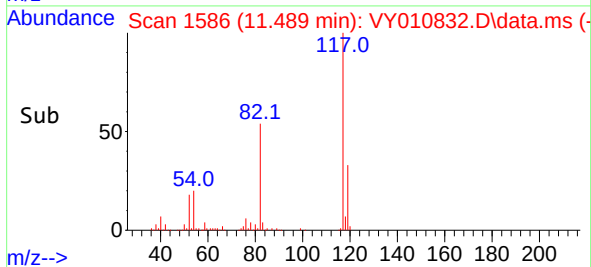
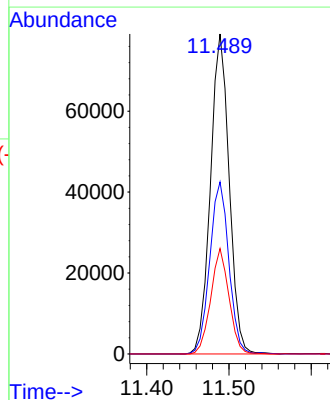
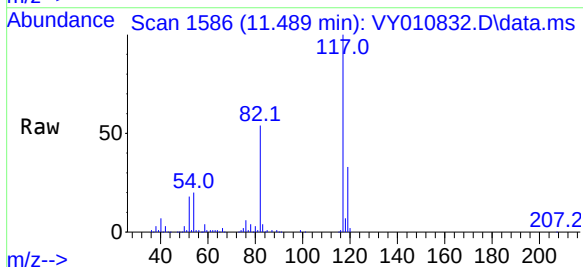
Instrument :
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D22013-15.5

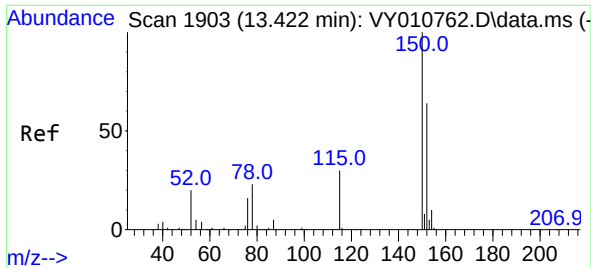
Tgt Ion: 95 Resp: 40014
Ion Ratio Lower Upper
95 100
174 85.3 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 117 Resp: 124997
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 33.0 25.4 38.0

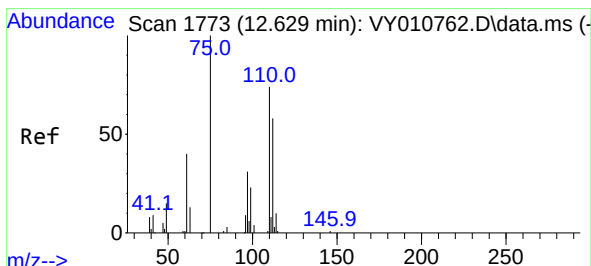
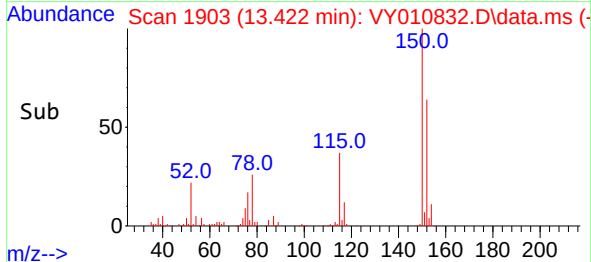
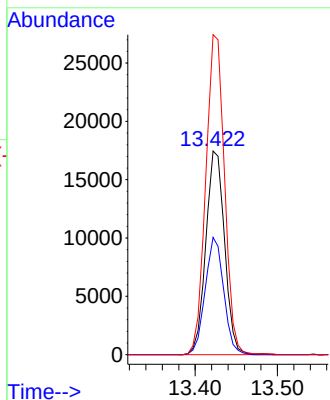
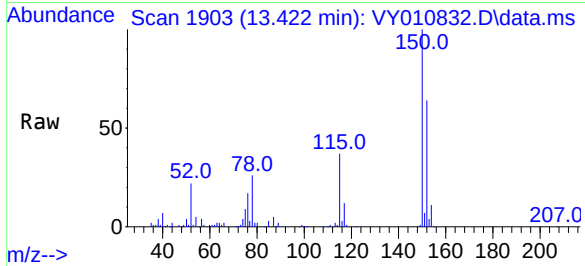




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

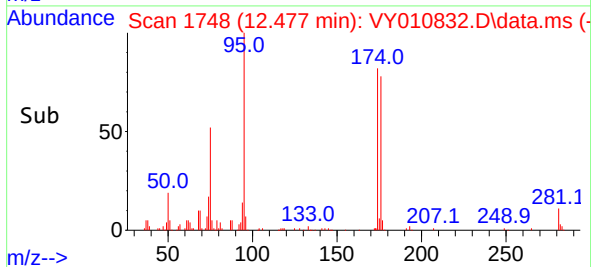
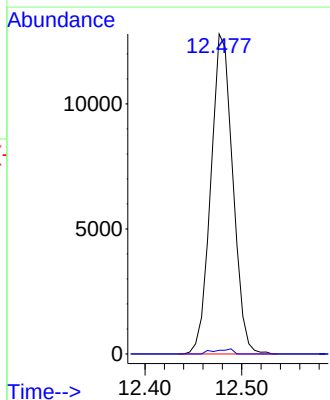
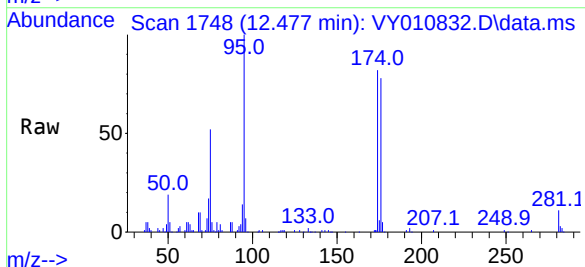
Instrument :
MSVOA_Y
ClientSampleId :
D22013-15.5

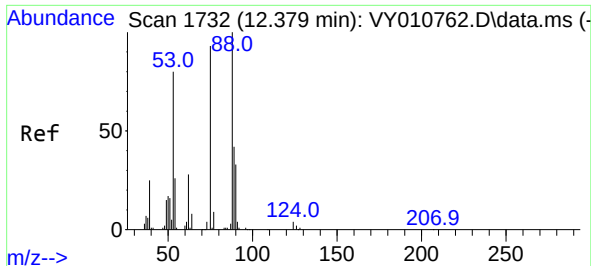
Tgt Ion:152 Resp: 27751
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 71.835 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010832.D
Acq: 05 Oct 2022 19:48

Tgt Ion: 75 Resp: 20188
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.058 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010832.D
 Acq: 05 Oct 2022 19:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22013-15.5

Tgt Ion: 75 Resp: 20188
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

