

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011305.D
 Acq On : 04 Nov 2022 18:16
 Operator : KP/MD
 Sample : N5310-11RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-7

Quant Time: Nov 07 01:53:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

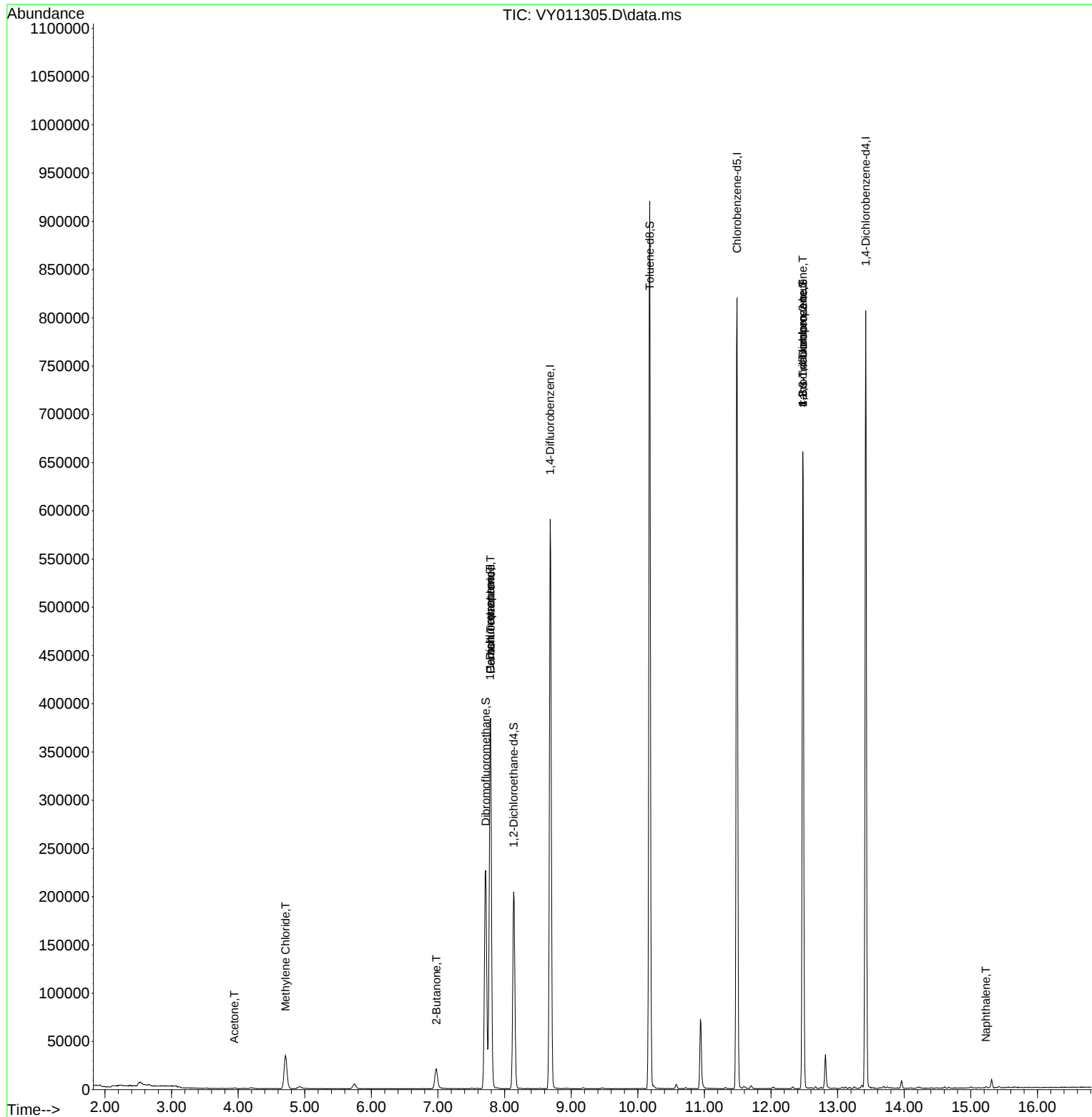
Internal Standards						
1) Pentafluorobenzene	7.789	168	308675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	519249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	463688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	209665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156916	47.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.060%
35) Dibromofluoromethane	7.716	113	168585	50.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.060%
50) Toluene-d8	10.179	98	598604	46.214	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.477	95	211244	46.977	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.960%
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	263	Below Cal		86
11) Tert butyl alcohol	4.911	59	1092	Below Cal	#	77
16) Acetone	3.942	43	1532	1.537	ug/l #	68
20) Methylene Chloride	4.710	84	27555	1.926	ug/l #	80
25) 2-Butanone	6.978	43	1808	1.289	ug/l	99
36) 1,1-Dichloropropene	7.783	75	22563	4.141	ug/l #	51
38) Carbon Tetrachloride	7.789	117	30076	5.321	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	102797	40.273	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	102797	86.190	ug/l #	7
95) Naphthalene	15.226	128	1451	4.112	ug/l #	85

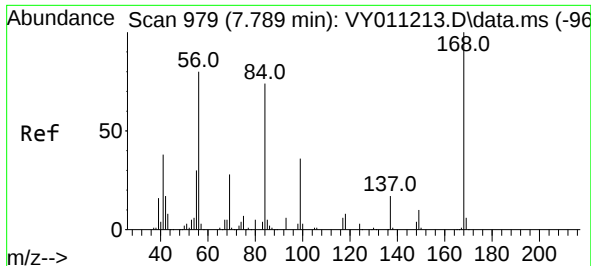
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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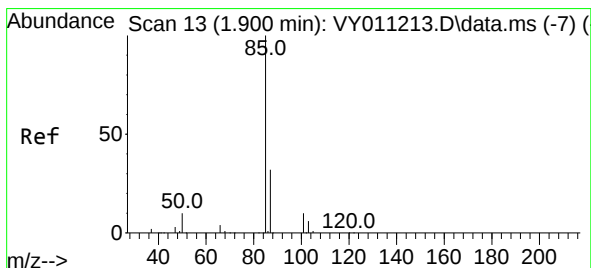
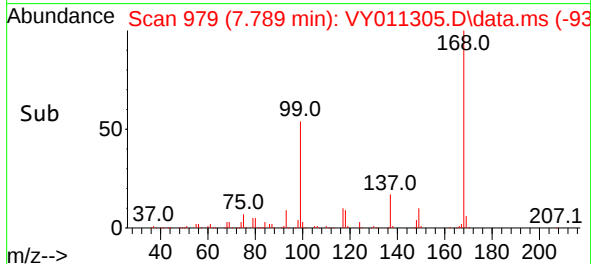
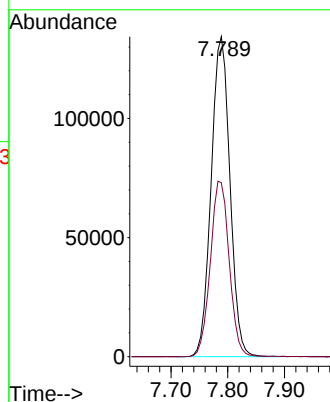
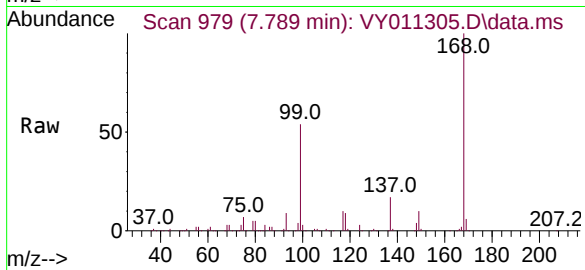




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

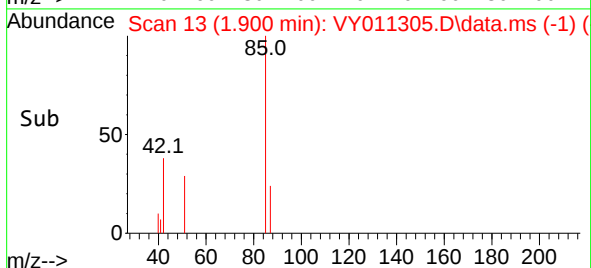
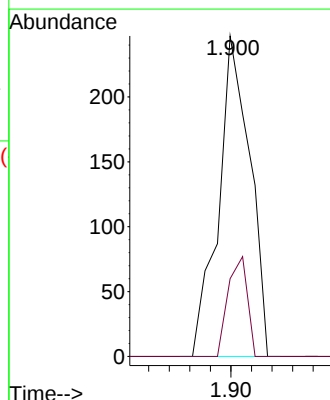
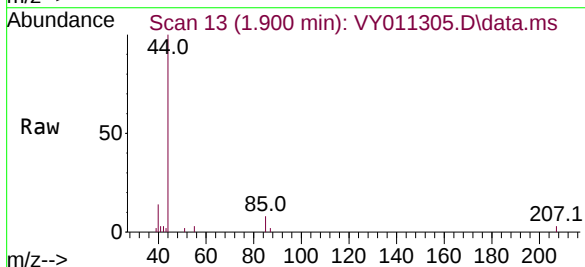
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

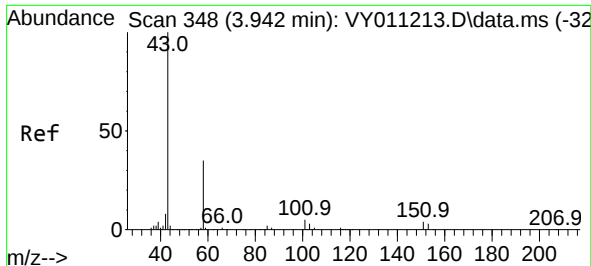
Tgt Ion:168 Resp: 308675
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

Tgt Ion: 85 Resp: 263
Ion Ratio Lower Upper
85 100
87 24.3 16.1 48.2

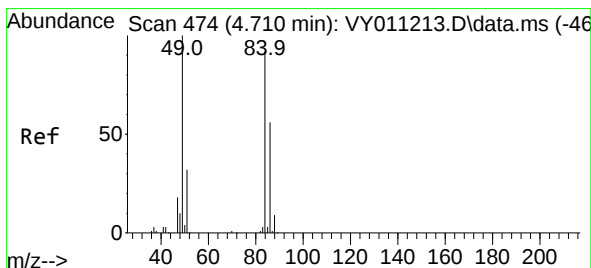
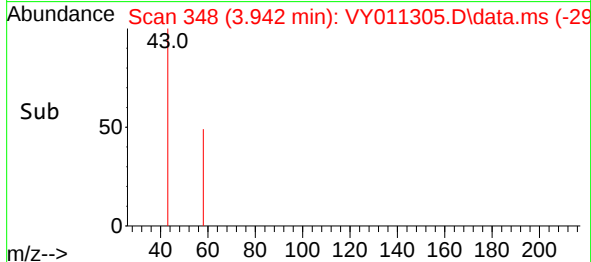
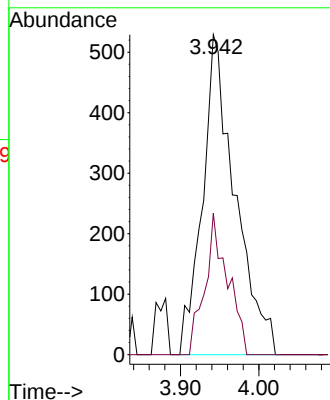
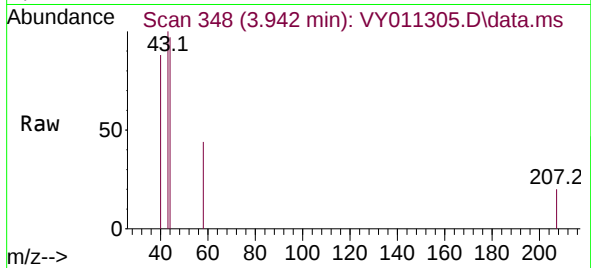




#16
Acetone
Concen: 1.537 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

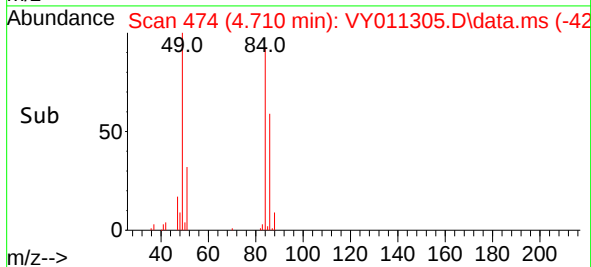
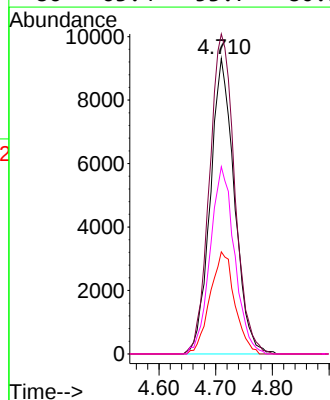
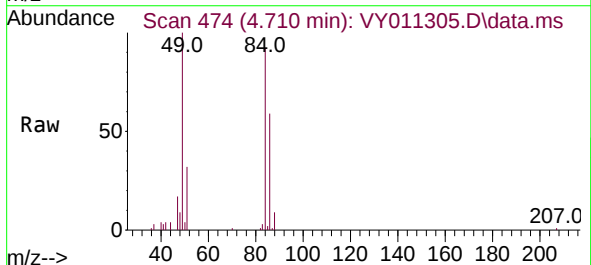
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

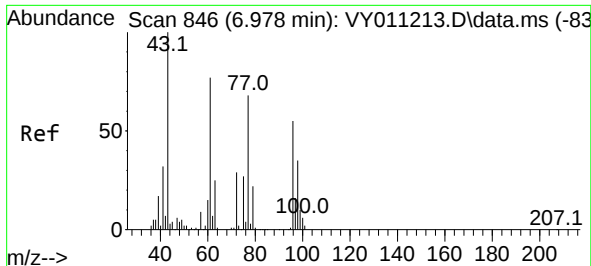
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
58 44.2 22.0 33.0#



#20
Methylene Chloride
Concen: 1.926 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

Tgt Ion: 84 Resp: 27555
Ion Ratio Lower Upper
84 100
49 108.3 114.4 171.6#
51 34.5 35.3 52.9#
86 63.4 53.7 80.5

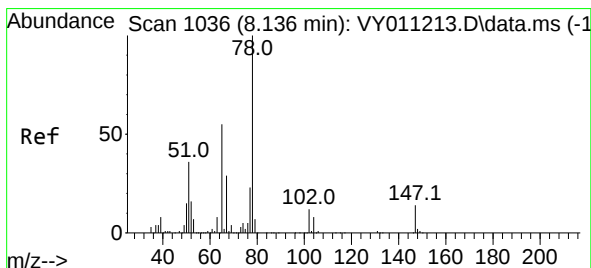
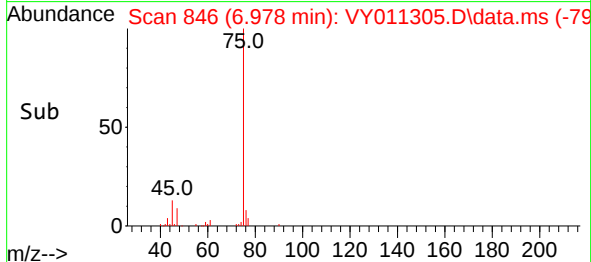
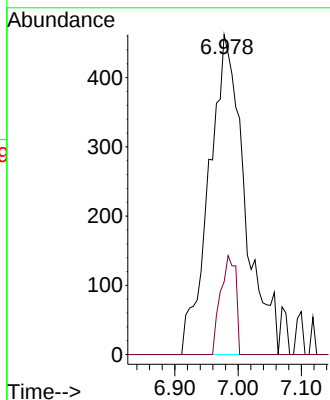
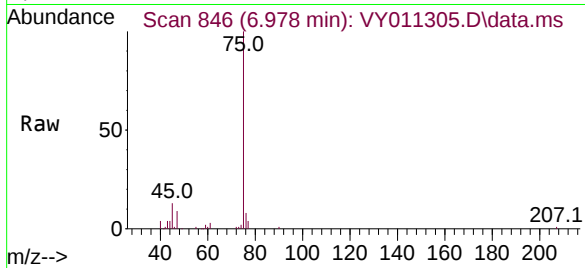




#25
2-Butanone
Concen: 1.289 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

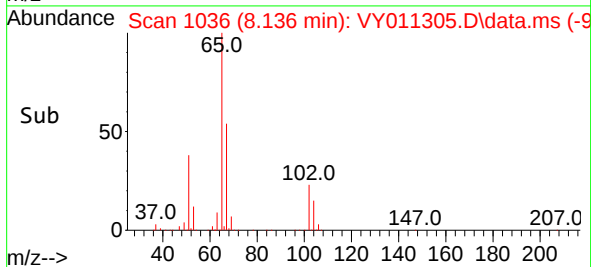
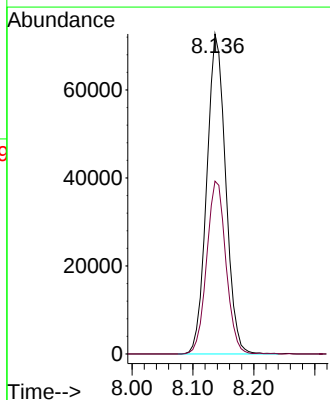
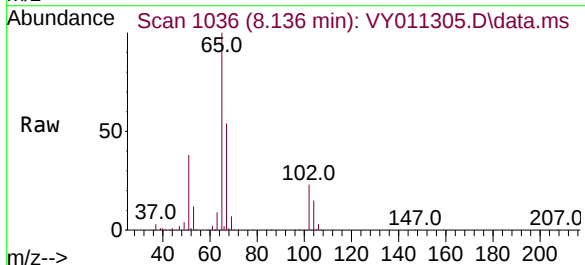
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

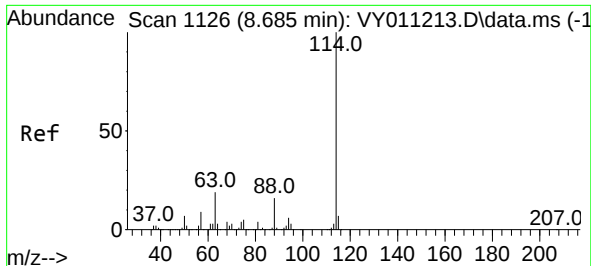
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
72 22.7 17.7 26.5



#33
1,2-Dichloroethane-d4
Concen: 47.532 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

Tgt Ion: 65 Resp: 156916
Ion Ratio Lower Upper
65 100
67 54.8 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: VY011305.D

Acq: 04 Nov 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-7

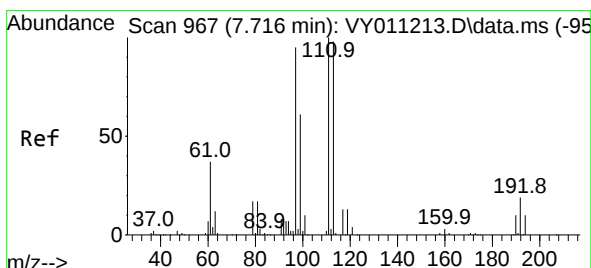
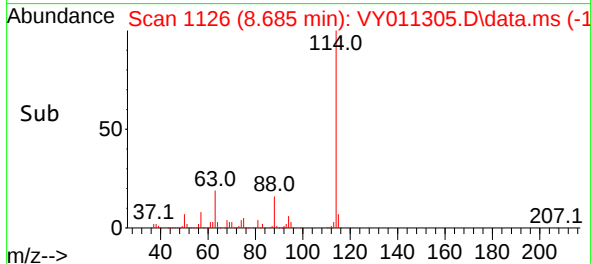
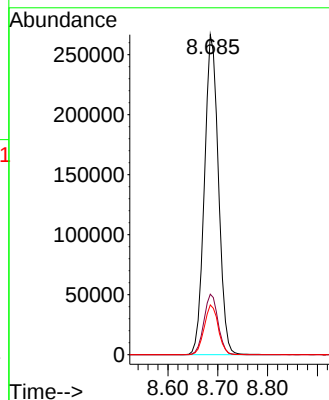
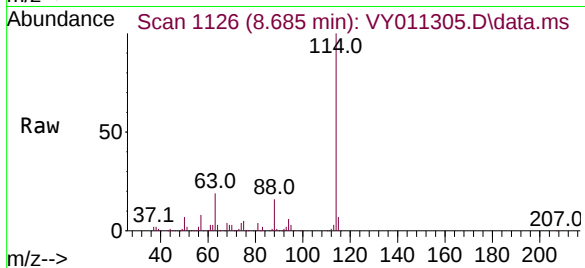
Tgt Ion:114 Resp: 519249

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.533 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011305.D

Acq: 04 Nov 2022 18:16

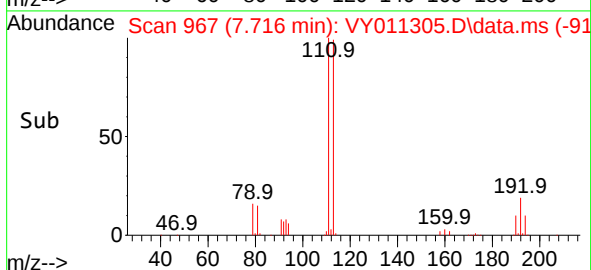
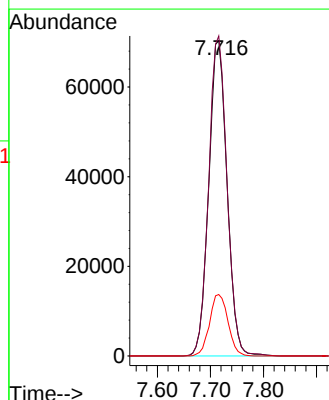
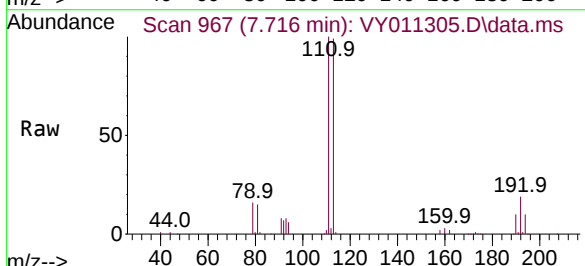
Tgt Ion:113 Resp: 168585

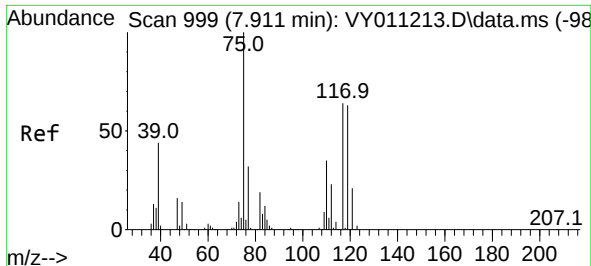
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 19.7 17.6 26.4

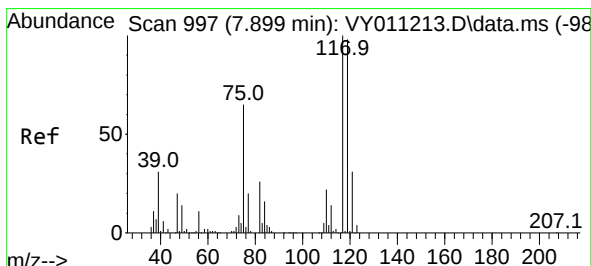
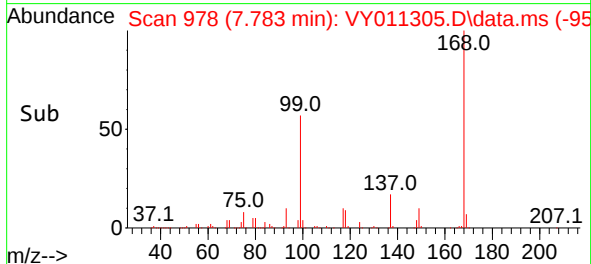
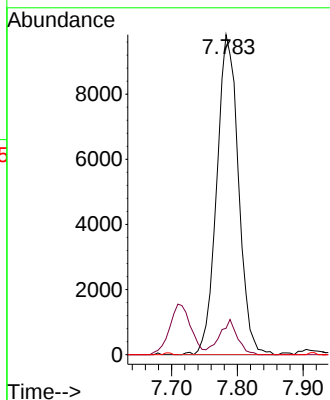
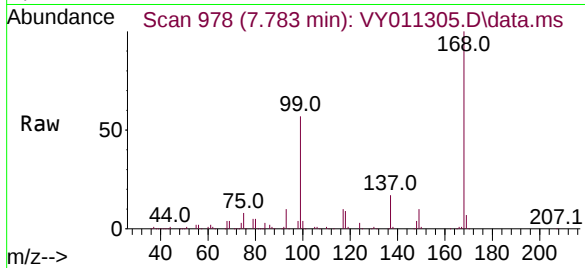




#36
1,1-Dichloropropene
Concen: 4.141 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

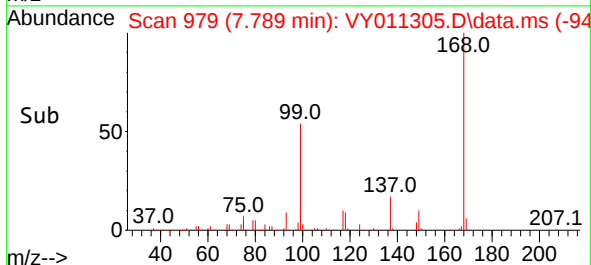
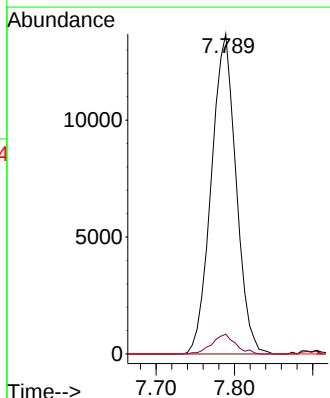
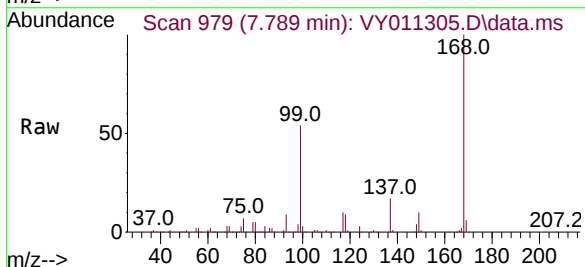
Instrument :
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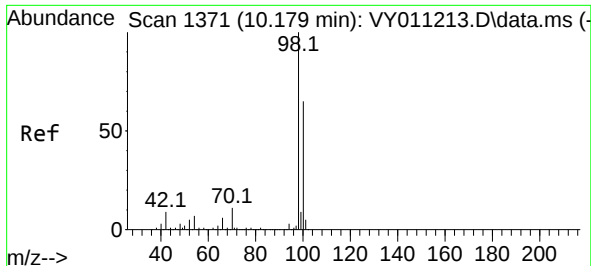
Tgt Ion: 75 Resp: 22563
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

Tgt Ion: 117 Resp: 30076
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

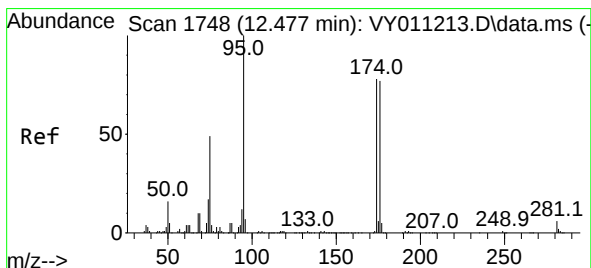
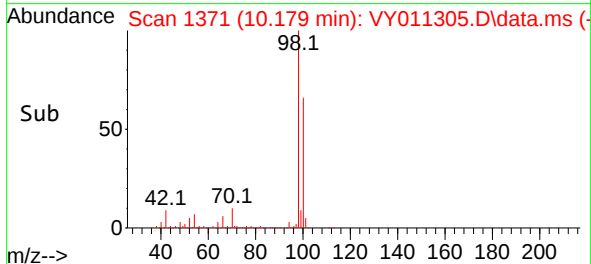
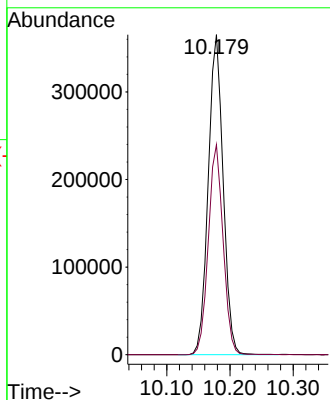
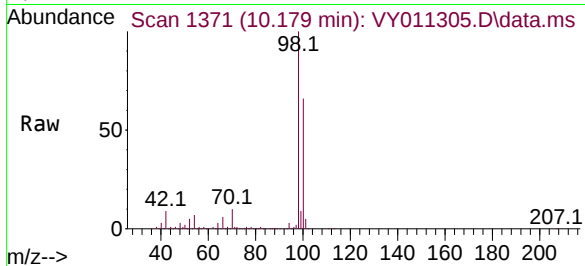




#50
Toluene-d8
Concen: 46.214 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

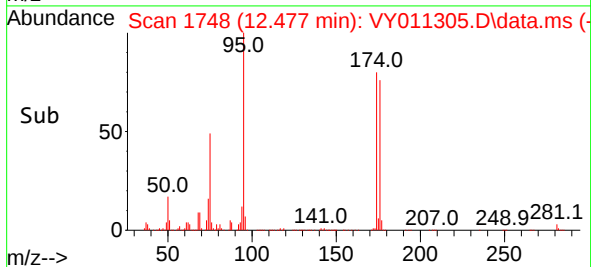
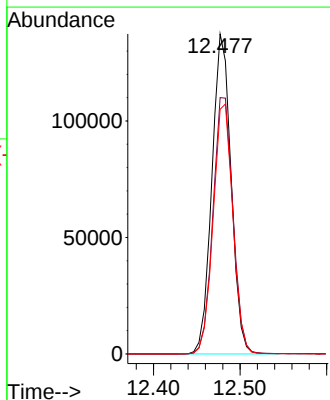
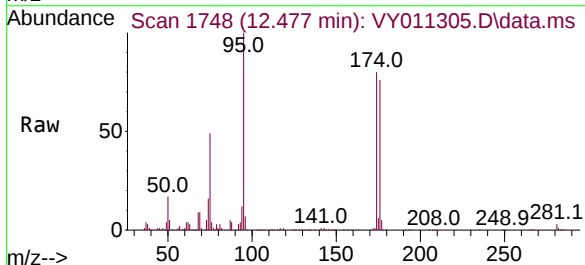
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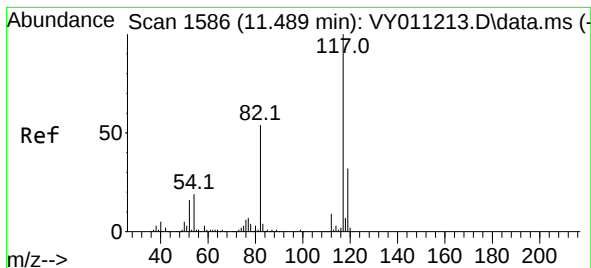
Tgt Ion: 98 Resp: 598604
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.977 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

Tgt Ion: 95 Resp: 211244
Ion Ratio Lower Upper
95 100
174 83.7 0.0 177.0
176 80.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011305.D

Acq: 04 Nov 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-7

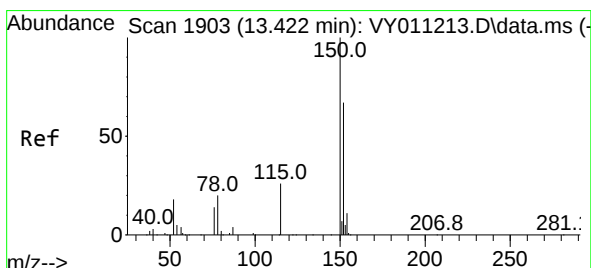
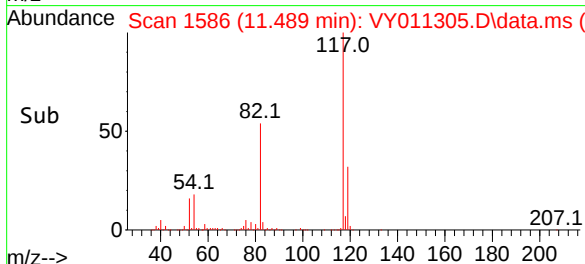
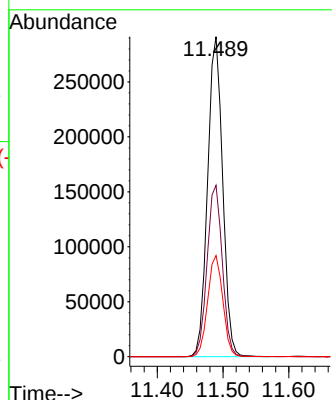
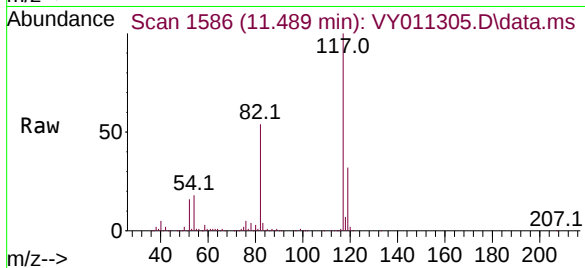
Tgt Ion:117 Resp: 463688

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

119 31.6 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: VY011305.D

Acq: 04 Nov 2022 18:16

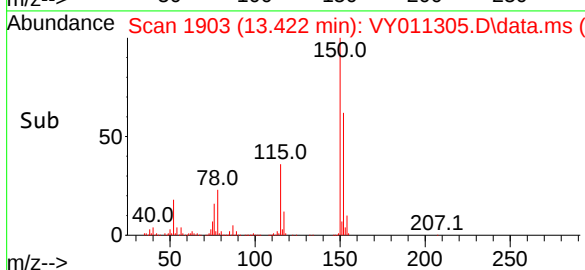
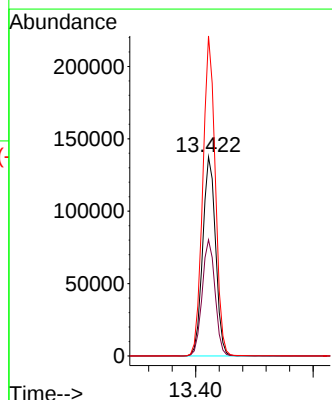
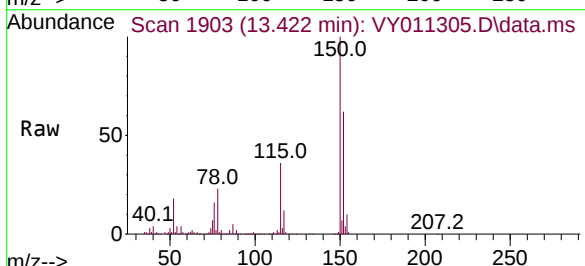
Tgt Ion:152 Resp: 209665

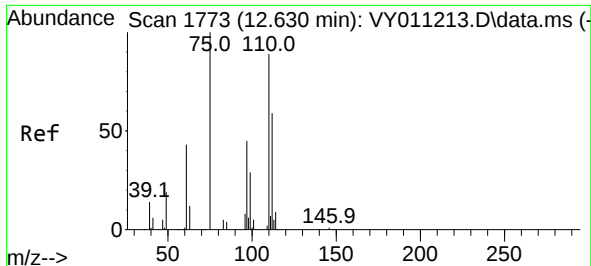
Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 156.2 0.0 347.6

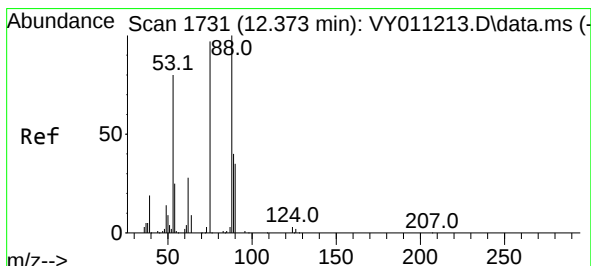
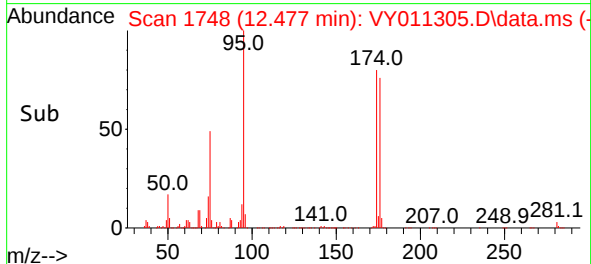
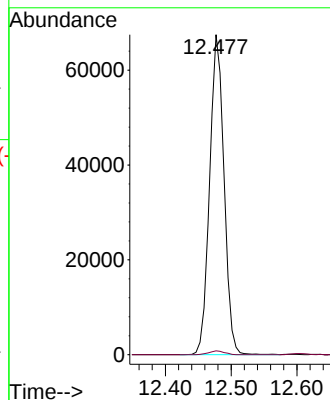
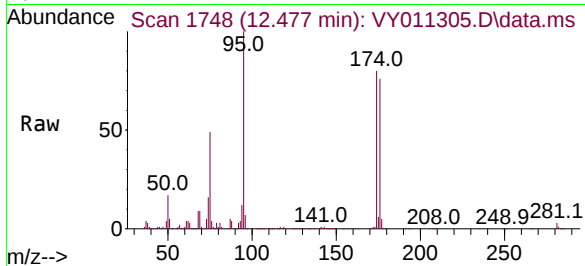




#76
1,2,3-Trichloropropane
Concen: 40.273 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

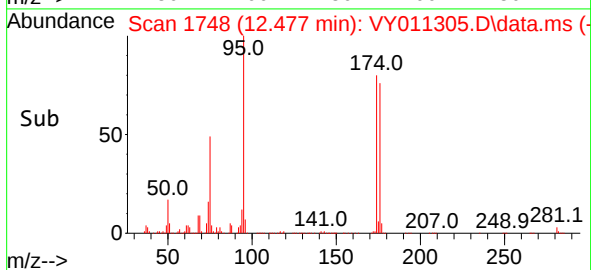
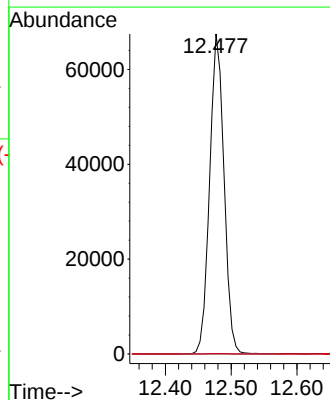
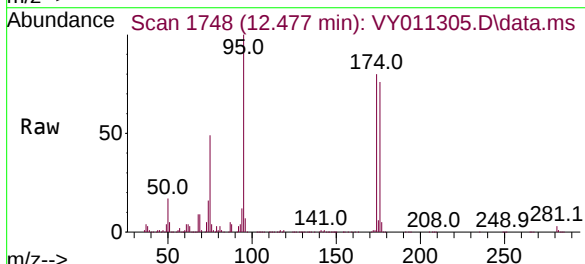
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

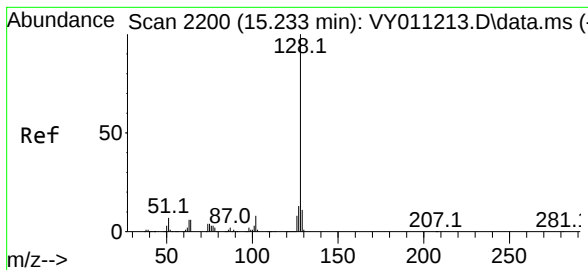
Tgt Ion: 75 Resp: 102797
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.190 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011305.D
Acq: 04 Nov 2022 18:16

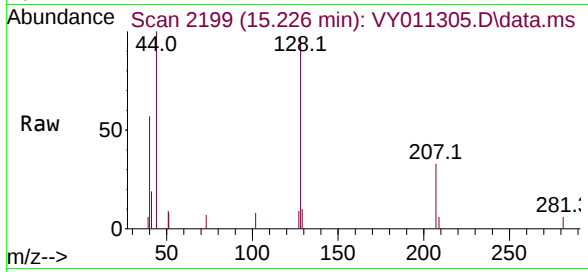
Tgt Ion: 75 Resp: 102797
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
 Naphthalene
 Concen: 4.112 ug/l
 RT: 15.226 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VY011305.D
 Acq: 04 Nov 2022 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-7



Tgt Ion:	128	Resp:	1451
Ion	Ratio	Lower	Upper
128	100		
127	8.7	11.0	16.4#
129	3.7	8.4	12.6#

