

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011205.D
 Acq On : 31 Oct 2022 18:19
 Operator : KP/MD
 Sample : N5371-01
 Misc : 7.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-2-WC

Quant Time: Nov 01 02:45:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

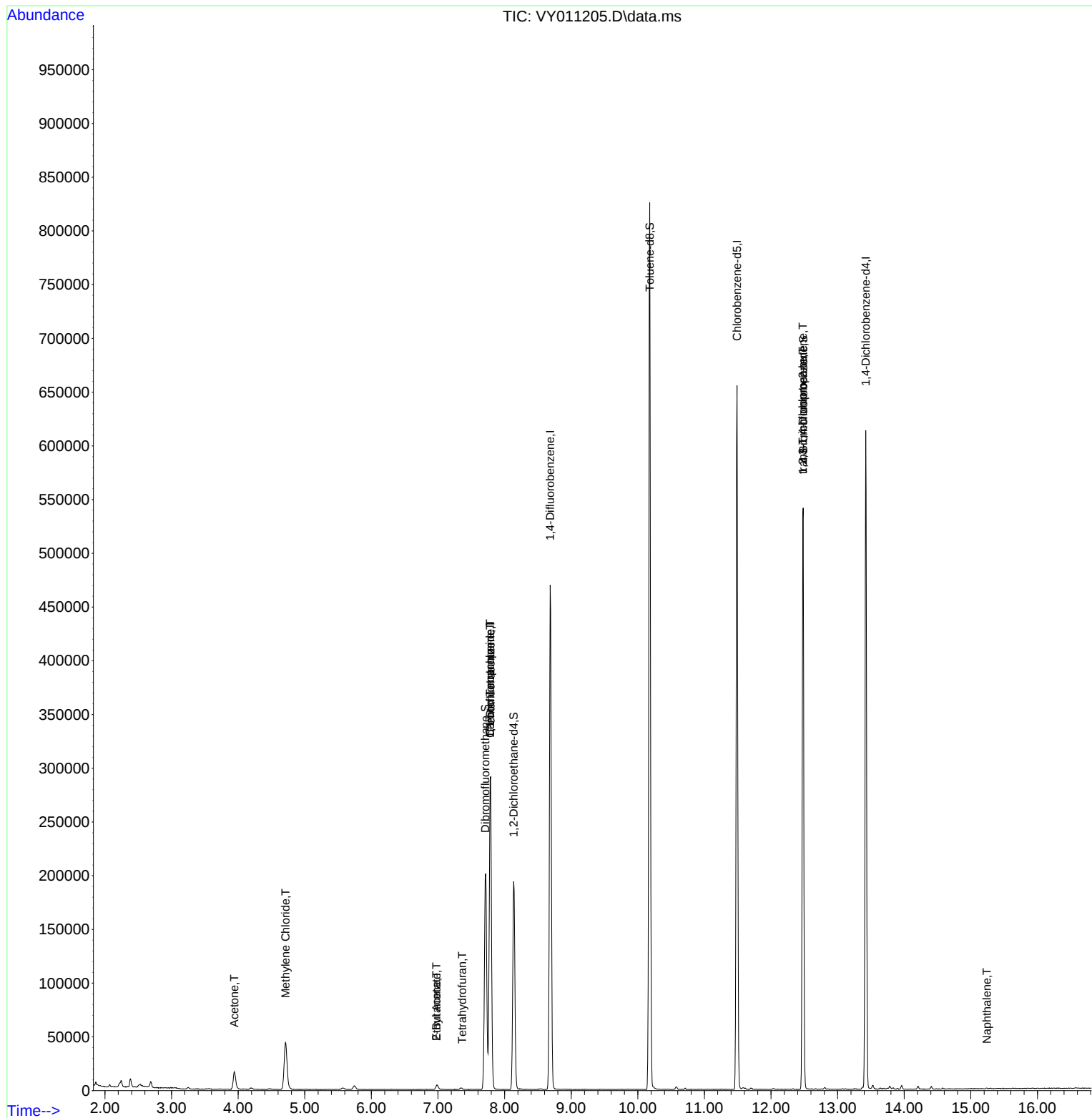
Internal Standards						
1) Pentafluorobenzene	7.789	168	230900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	407826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	362578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	159145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151513	63.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.920%	
35) Dibromofluoromethane	7.710	113	149487	59.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.200%	
50) Toluene-d8	10.179	98	543963	54.748	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.500%	
62) 4-Bromofluorobenzene	12.483	95	173965	53.510	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	41	Below Cal	#	43
3) Chloromethane	2.113	50	215	Below Cal	#	84
4) Vinyl Chloride	2.253	62	26	Below Cal	#	43
5) Bromomethane	2.662	94	278	Below Cal	#	77
11) Tert butyl alcohol	4.960	59	97	Below Cal	#	77
13) Acrolein	3.729	56	351	Below Cal		91
16) Acetone	3.942	43	28086	48.079	ug/l #	86
17) Carbon Disulfide	4.192	76	1526	Below Cal	#	90
18) Methyl Acetate	4.472	43	1365	Below Cal	#	78
20) Methylene Chloride	4.710	84	34264	8.621	ug/l	87
25) 2-Butanone	6.978	43	6964	8.316	ug/l	91
29) Tetrahydrofuran	7.362	42	1110	2.225	ug/l	95
31) Cyclohexane	7.783	56	4686	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17302	5.292	ug/l #	49
37) Ethyl Acetate	6.978	43	6964	3.765	ug/l #	75
38) Carbon Tetrachloride	7.783	117	23139	6.497	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	87168	52.683	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87168	111.881	ug/l #	7
95) Naphthalene	15.239	128	749	4.474	ug/l #	79

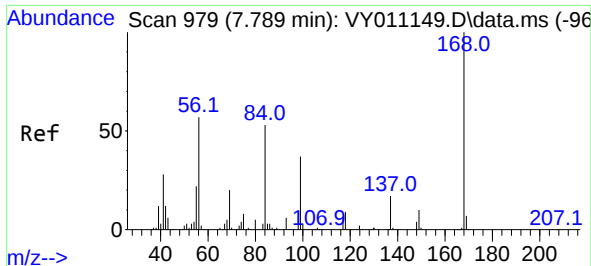
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

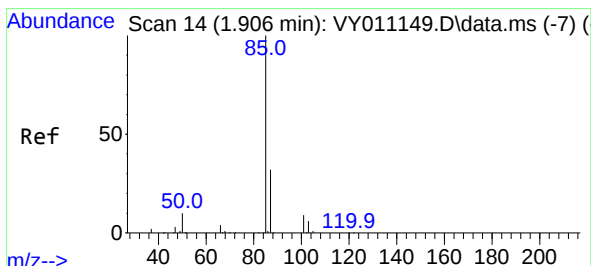
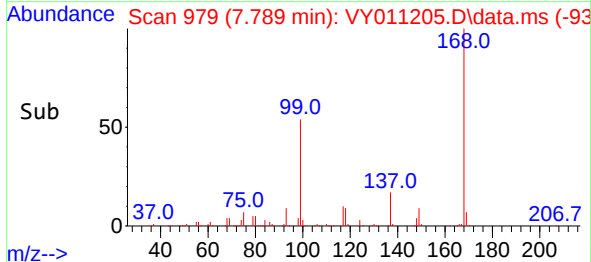
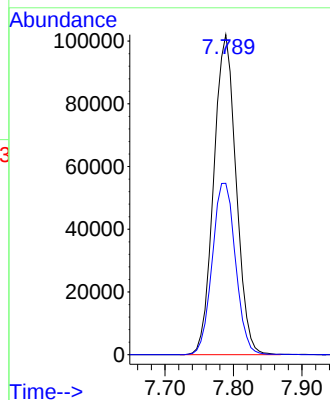
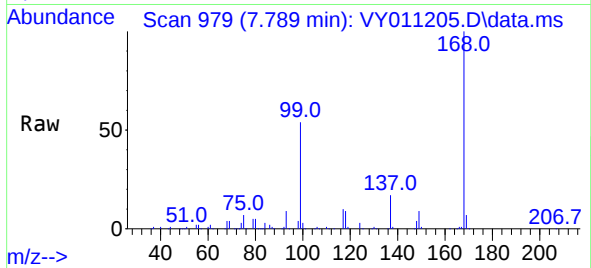




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

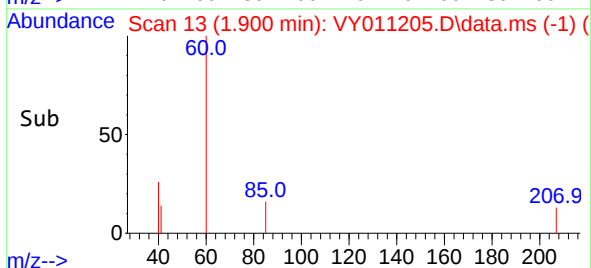
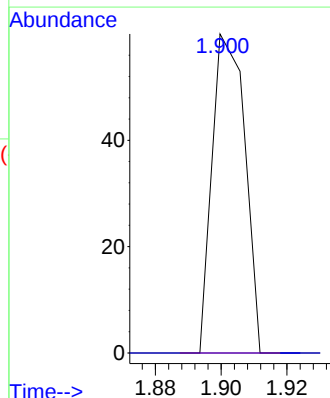
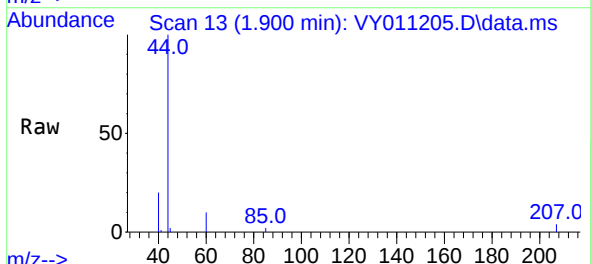
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

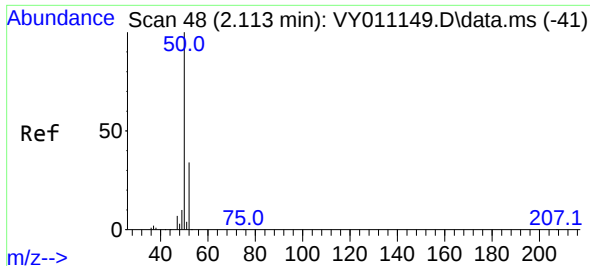
Tgt Ion:168 Resp: 230900
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

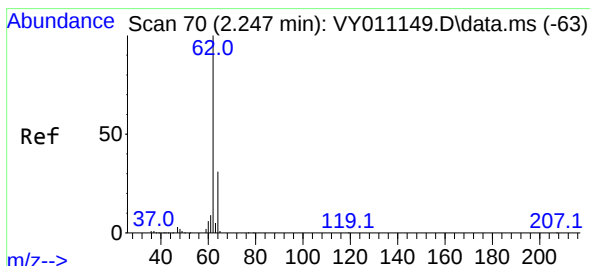
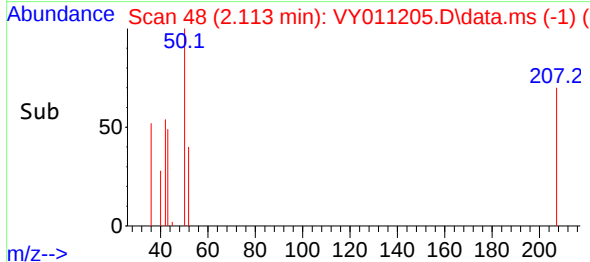
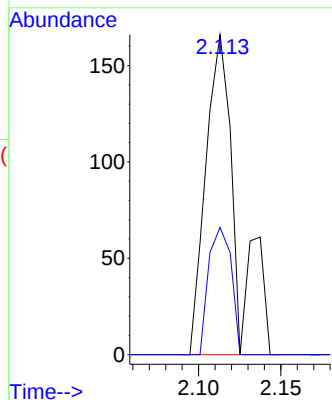
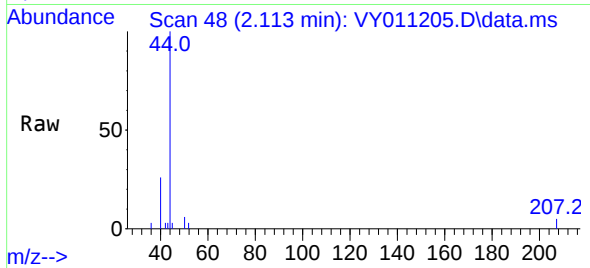




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

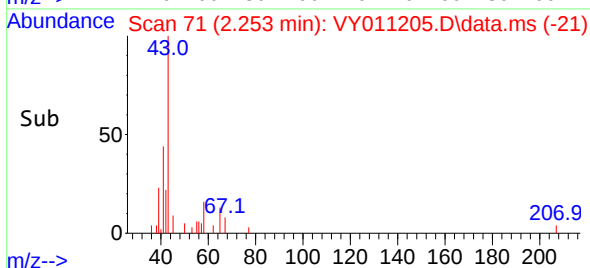
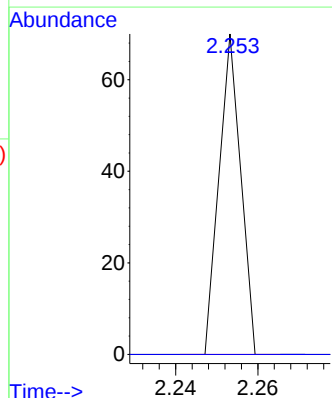
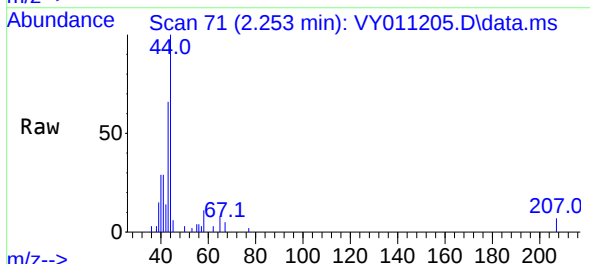
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

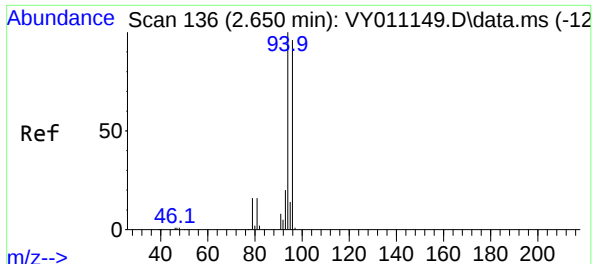
Tgt Ion: 50 Resp: 215
Ion Ratio Lower Upper
50 100
52 39.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 62 Resp: 26
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

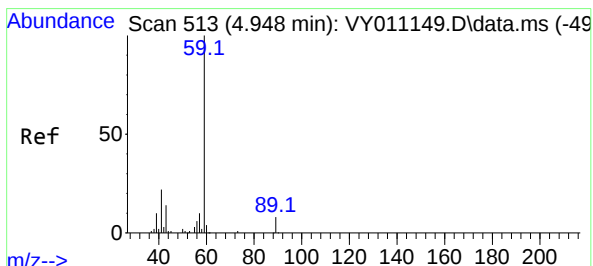
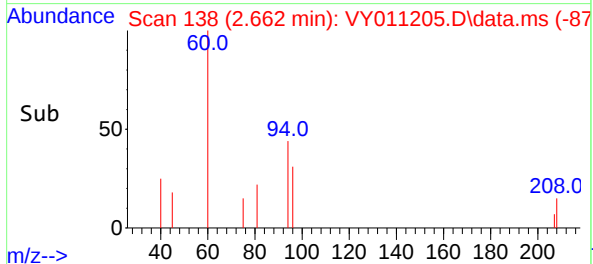
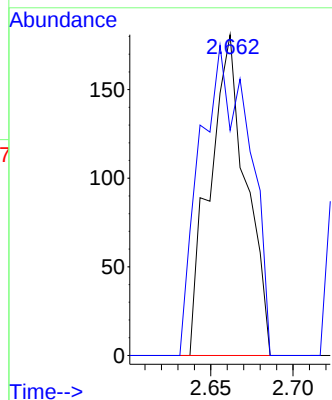
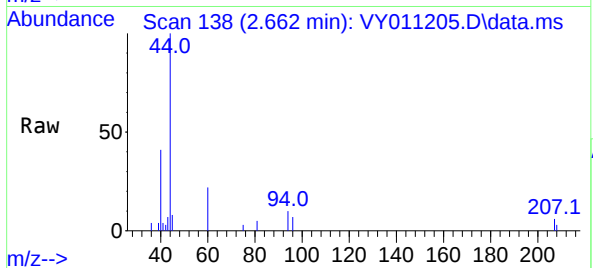




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

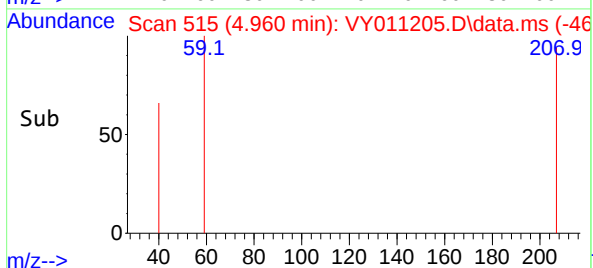
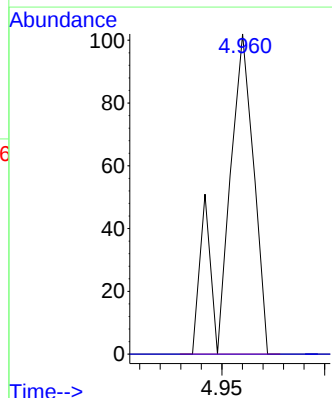
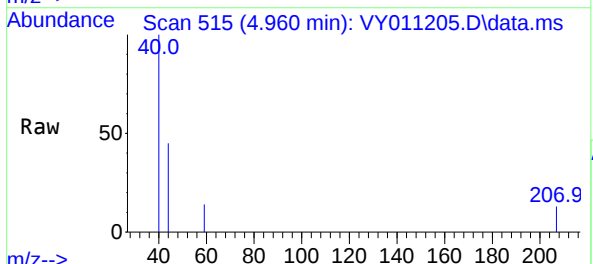
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

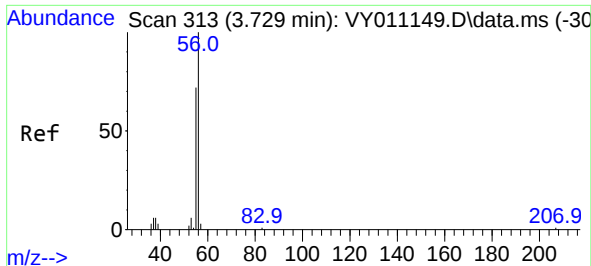
Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 70.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

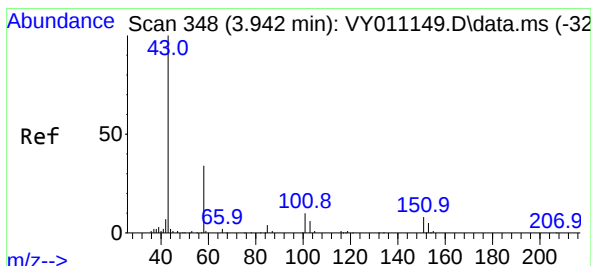
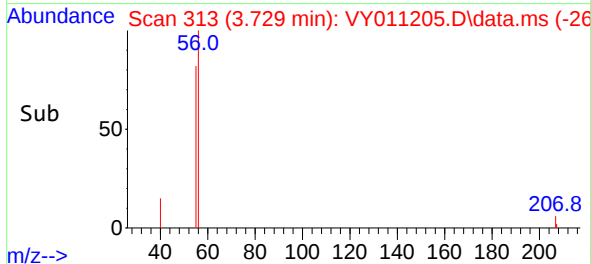
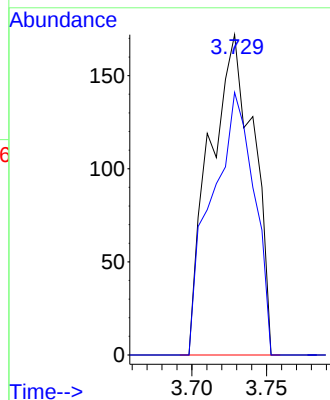
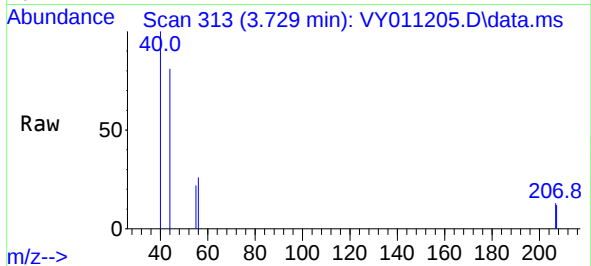




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

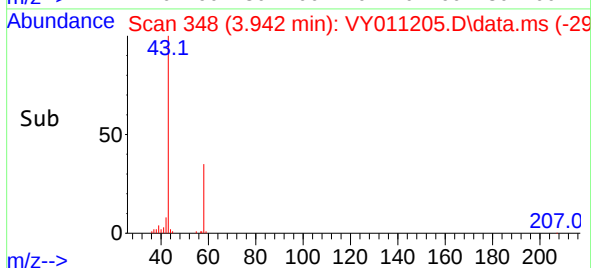
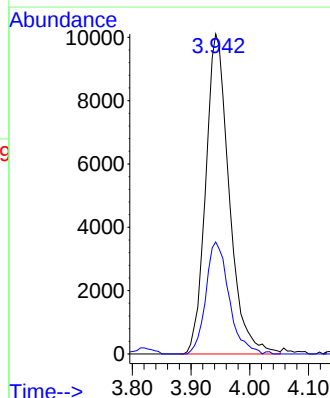
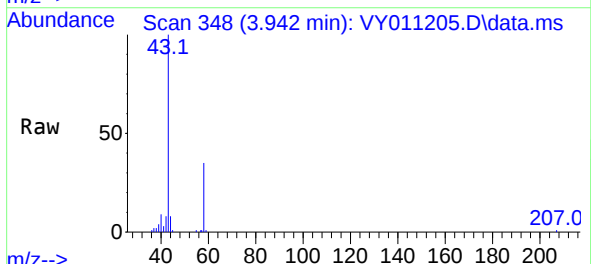
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

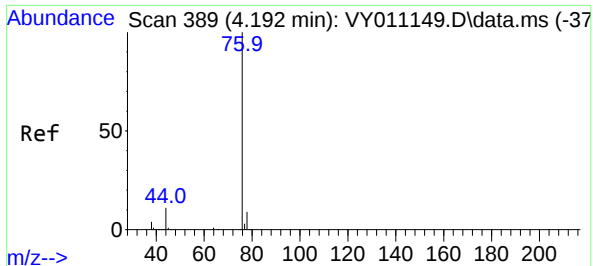
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 79.2 57.6 86.4



#16
Acetone
Concen: 48.079 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 43 Resp: 28086
Ion Ratio Lower Upper
43 100
58 35.0 22.0 33.0#

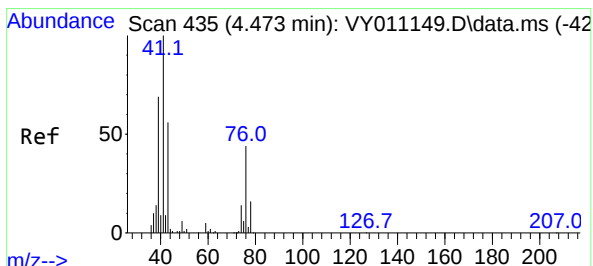
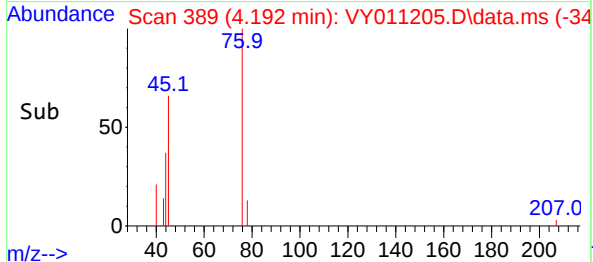
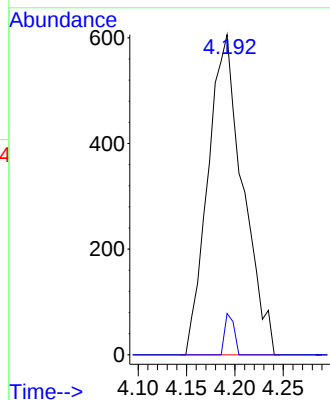
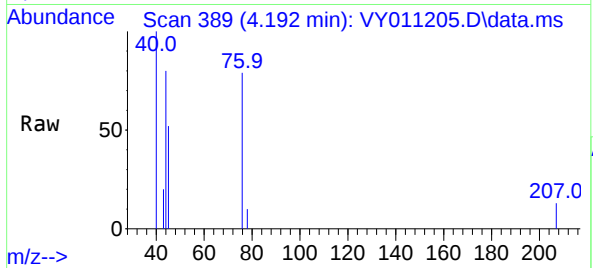




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

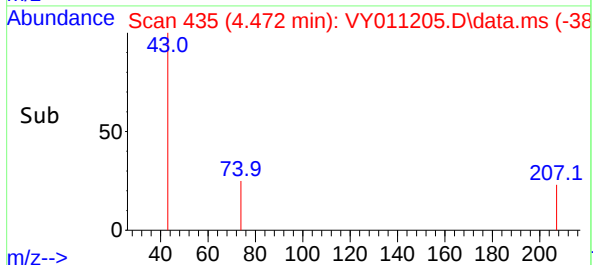
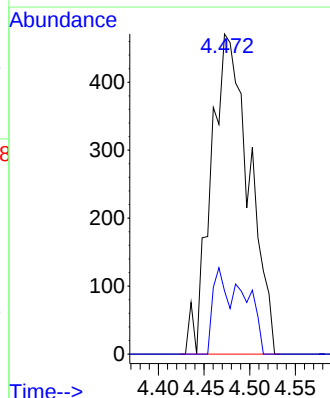
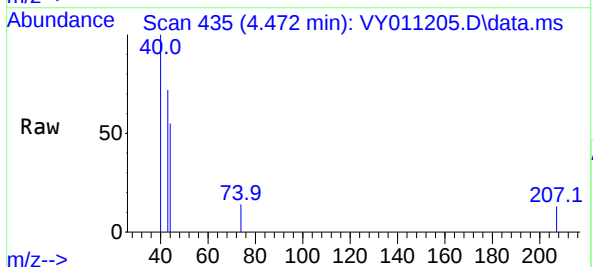
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

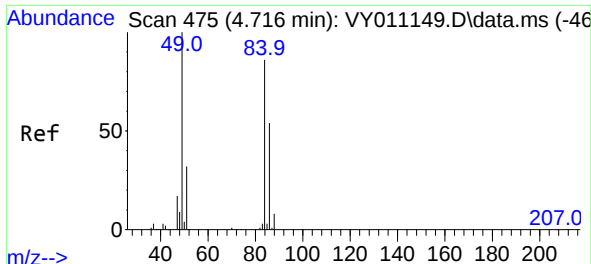
Tgt Ion: 76 Resp: 1526
Ion Ratio Lower Upper
76 100
78 12.9 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
74 10.3 16.6 24.8#



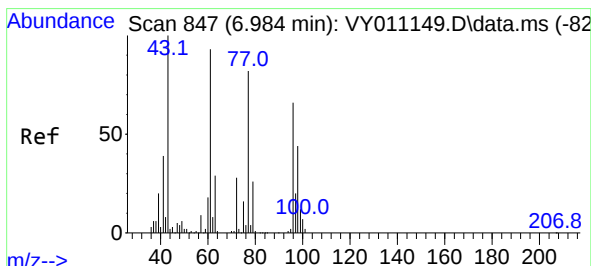
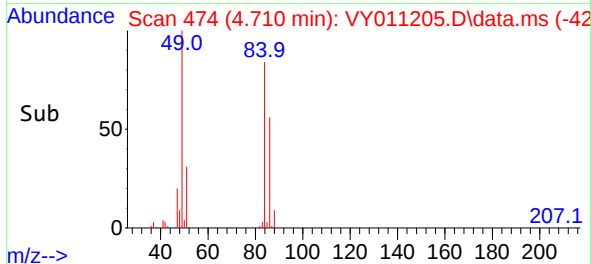
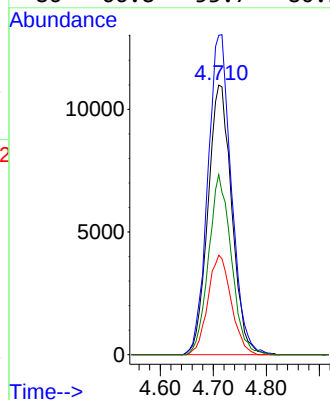
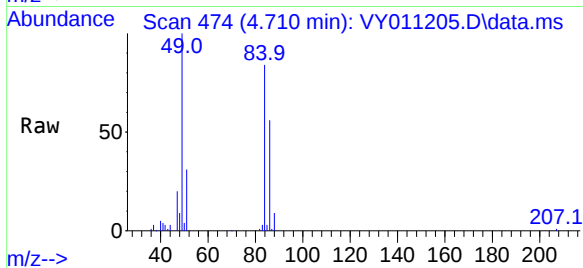


#20
Methylene Chloride
Concen: 8.621 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

Tgt Ion: 84 Resp: 34264

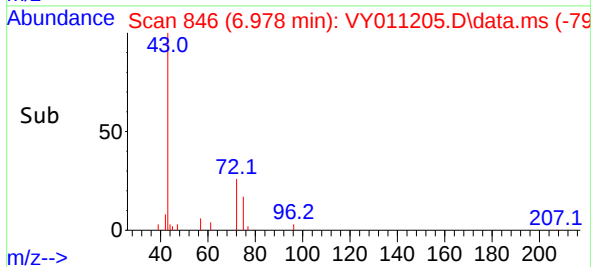
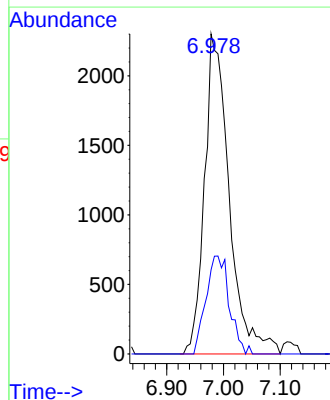
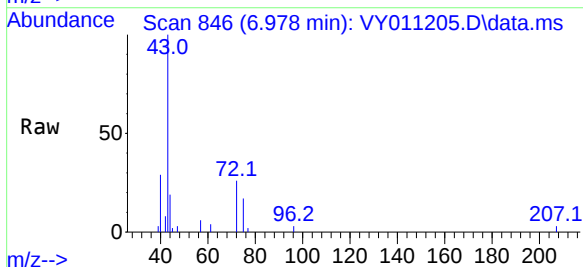
Ion	Ratio	Lower	Upper
84	100		
49	118.5	114.4	171.6
51	36.9	35.3	52.9
86	66.8	53.7	80.5

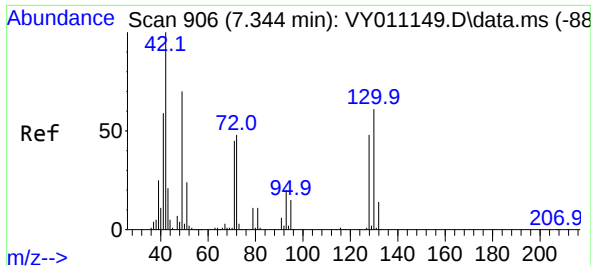


#25
2-Butanone
Concen: 8.316 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 43 Resp: 6964

Ion	Ratio	Lower	Upper
43	100		
72	26.3	17.7	26.5





#29

Tetrahydrofuran

Concen: 2.225 ug/l

RT: 7.362 min Scan# 906

Delta R.T. 0.018 min

Lab File: VY011205.D

Acq: 31 Oct 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-2-WC

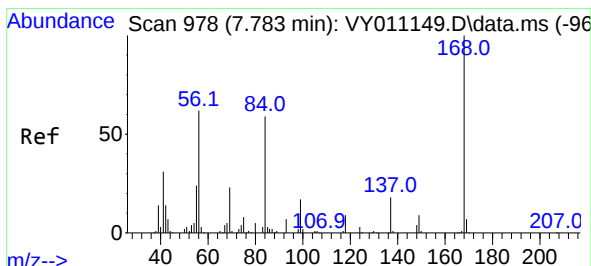
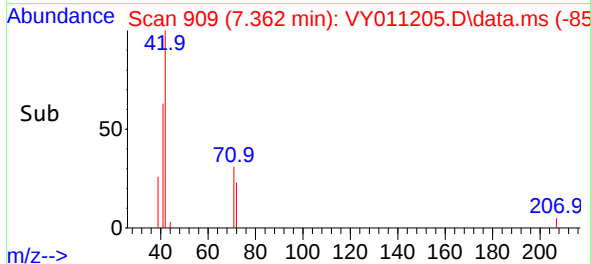
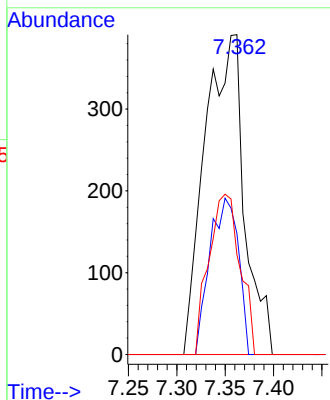
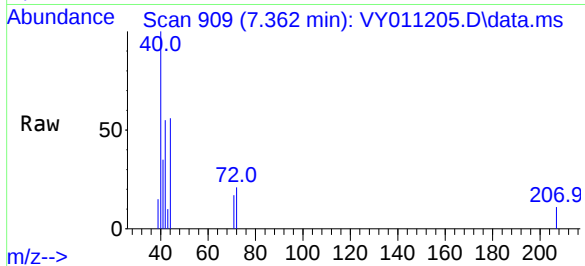
Tgt Ion: 42 Resp: 1110

Ion Ratio Lower Upper

42 100

72 35.4 30.3 45.5

71 39.6 29.0 43.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011205.D

Acq: 31 Oct 2022 18:19

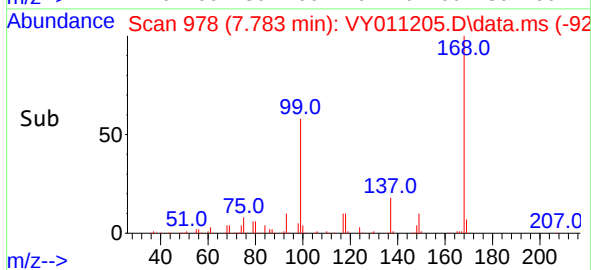
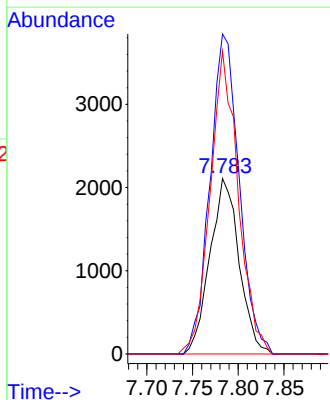
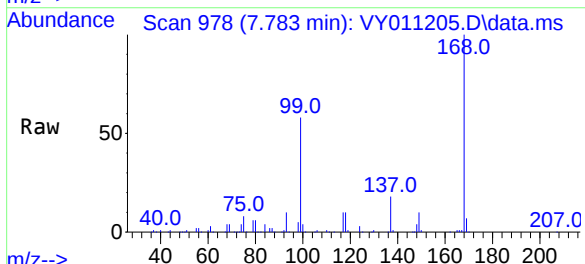
Tgt Ion: 56 Resp: 4686

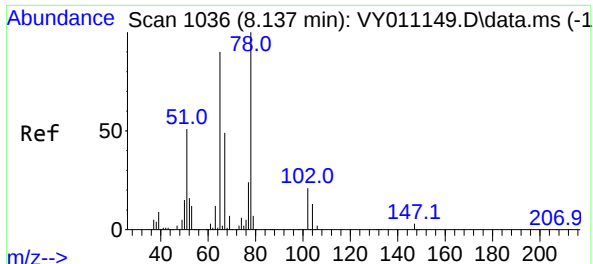
Ion Ratio Lower Upper

56 100

69 182.3 26.7 40.1#

84 172.4 67.2 100.8#

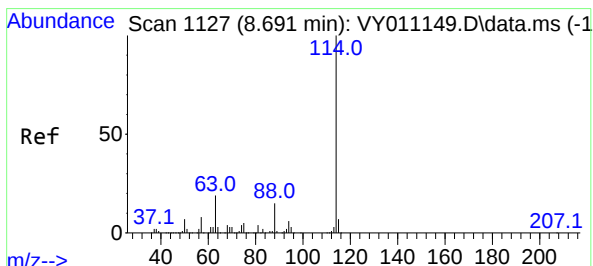
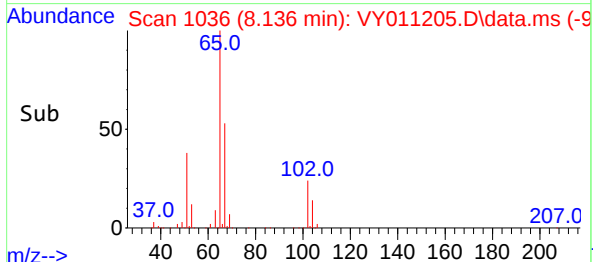
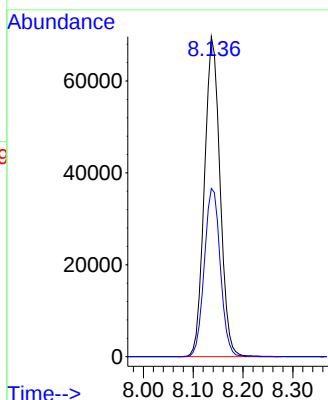
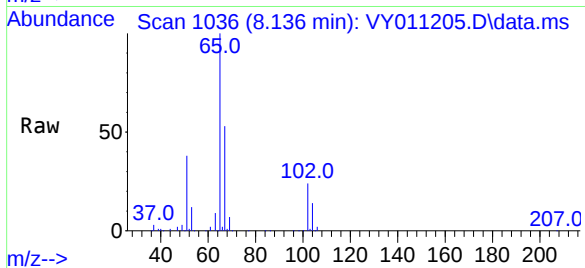




#33
1,2-Dichloroethane-d4
Concen: 63.460 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

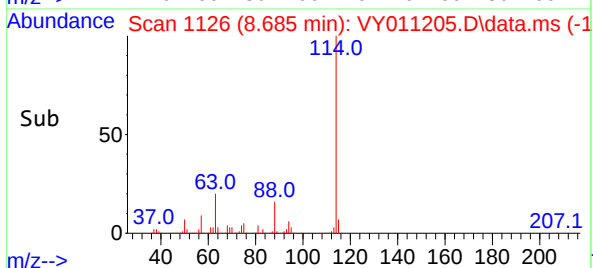
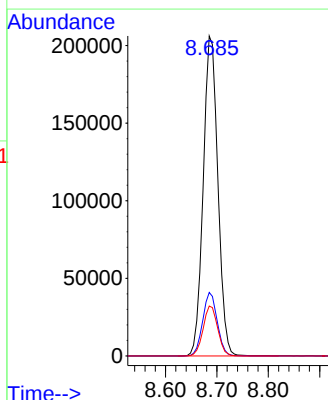
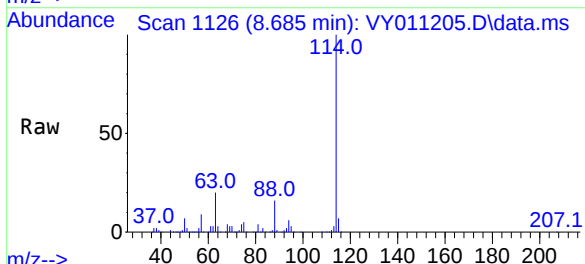
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

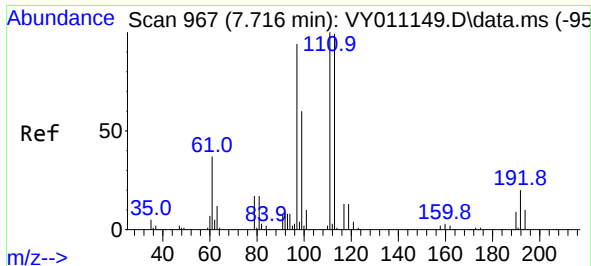
Tgt Ion: 65 Resp: 151513
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 114 Resp: 407826
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.2
88 15.6 0.0 31.8

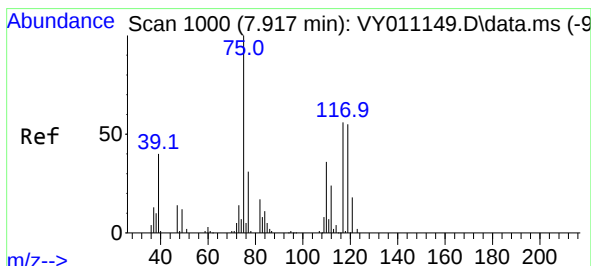
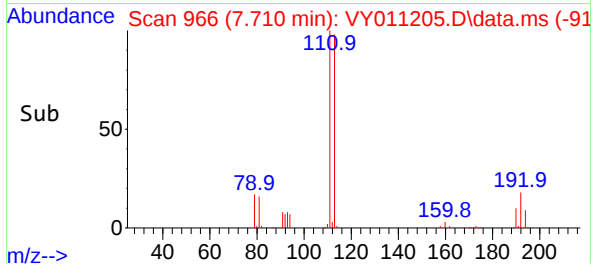
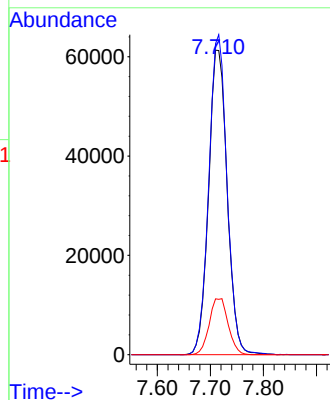
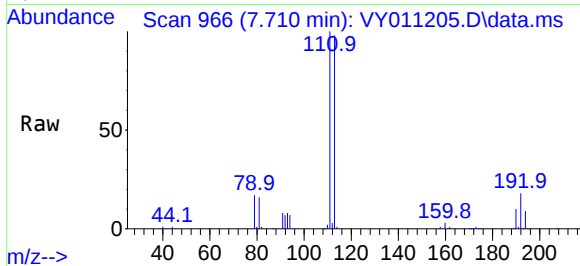




#35
Dibromofluoromethane
Concen: 59.605 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

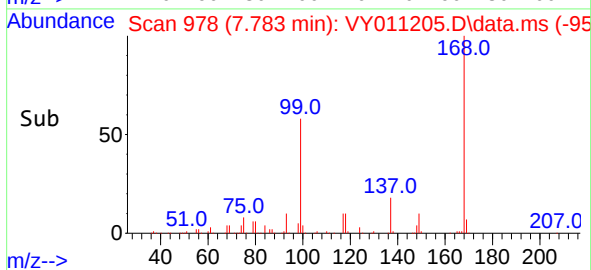
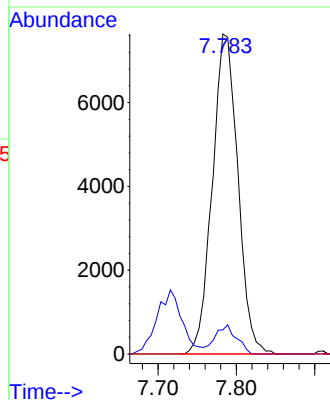
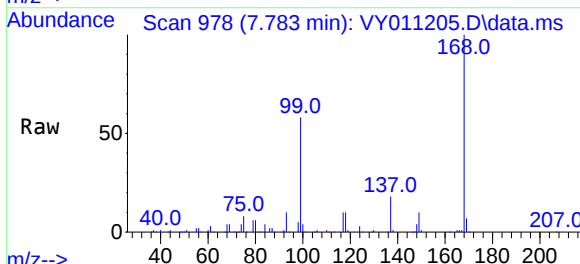
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

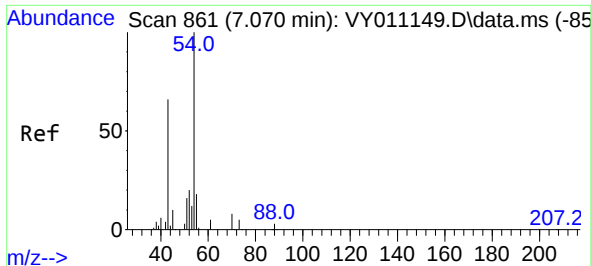
Tgt Ion:113 Resp: 149487
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.292 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 75 Resp: 17302
Ion Ratio Lower Upper
75 100
110 7.5 17.1 51.2#
77 0.0 24.4 36.6#

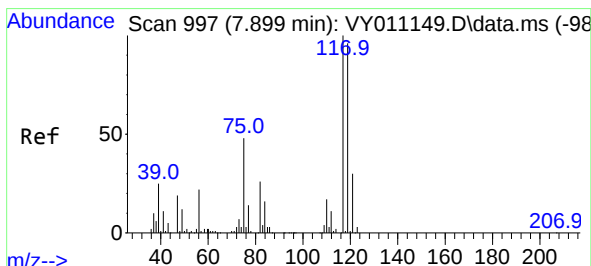
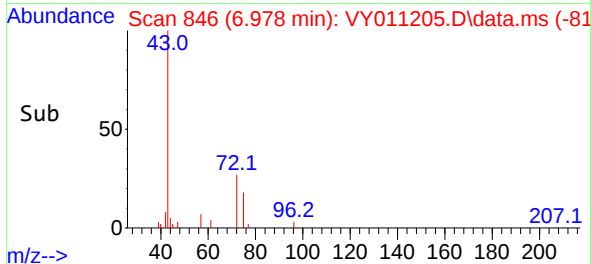
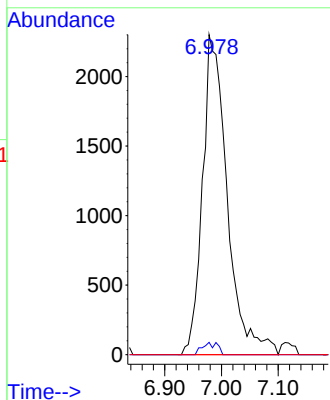
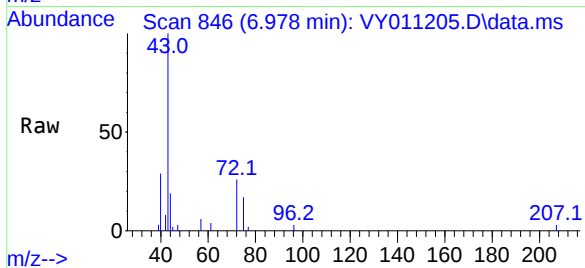




#37
Ethyl Acetate
Concen: 3.765 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

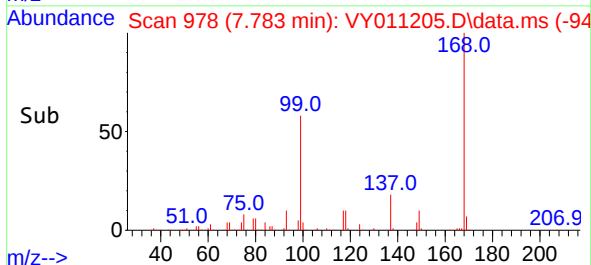
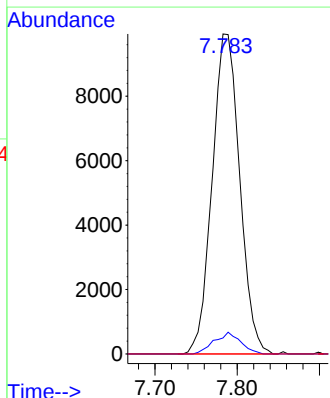
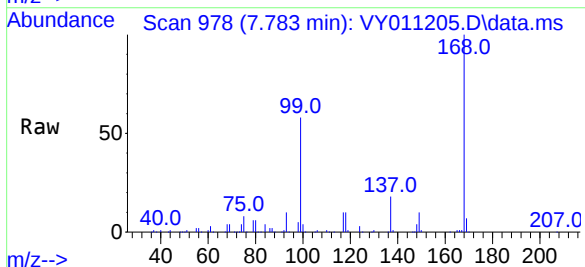
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

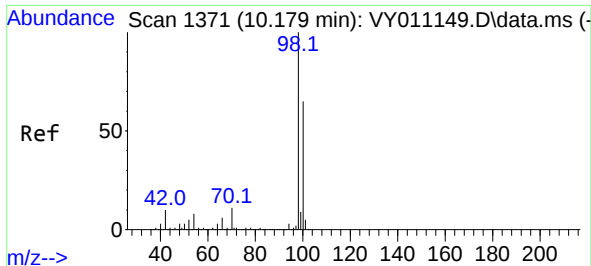
Tgt Ion: 43 Resp: 6964
Ion Ratio Lower Upper
43 100
61 2.4 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 117 Resp: 23139
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

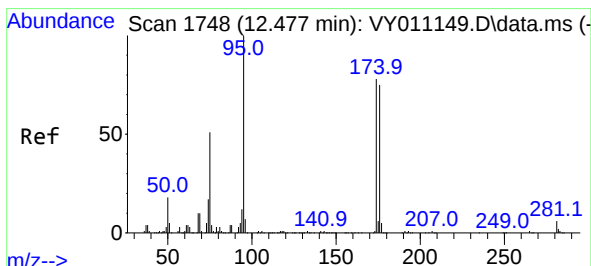
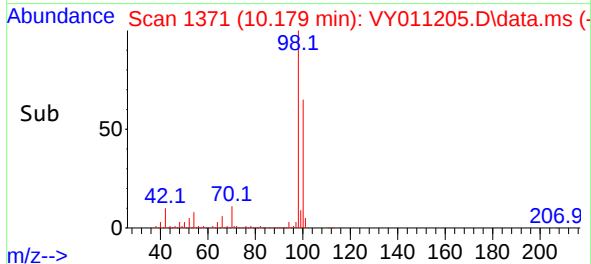
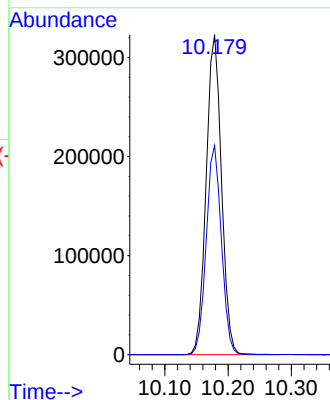
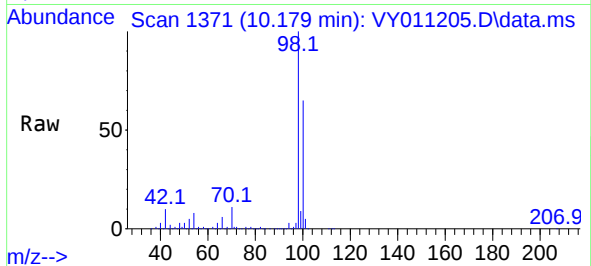




#50
Toluene-d8
Concen: 54.748 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

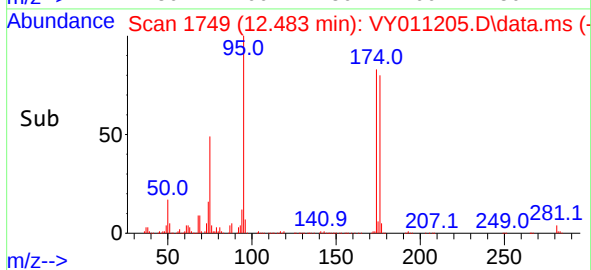
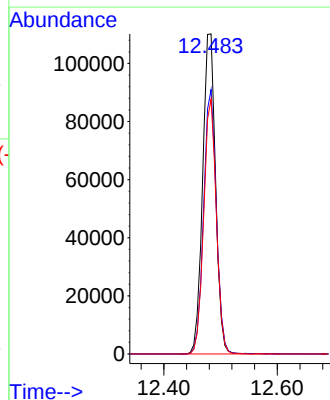
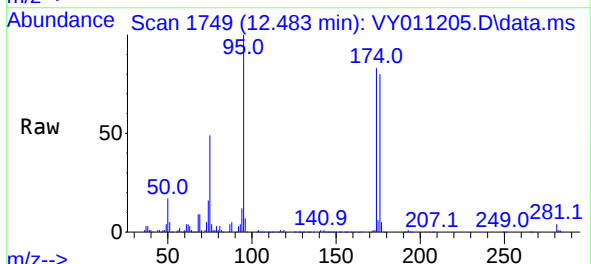
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

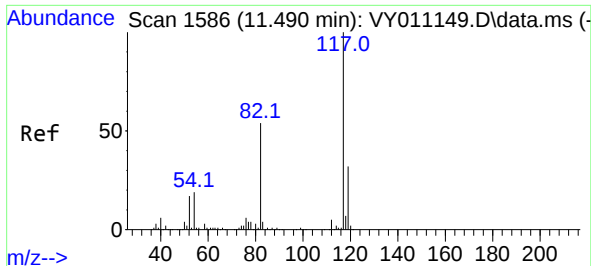
Tgt Ion: 98 Resp: 543963
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 53.510 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 95 Resp: 173965
Ion Ratio Lower Upper
95 100
174 81.1 0.0 177.0
176 77.5 0.0 175.8

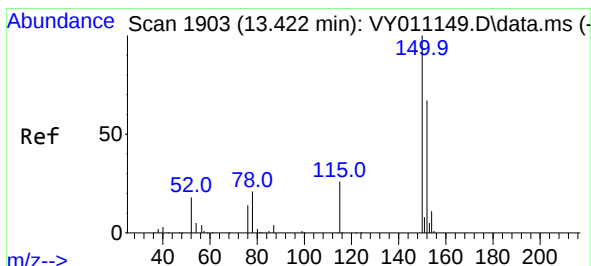
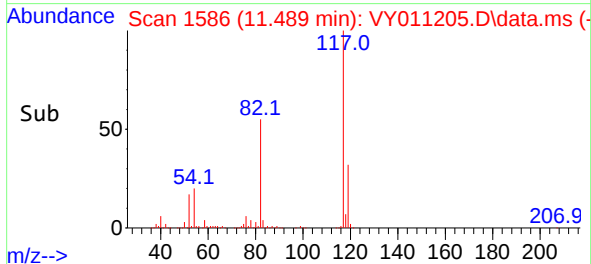
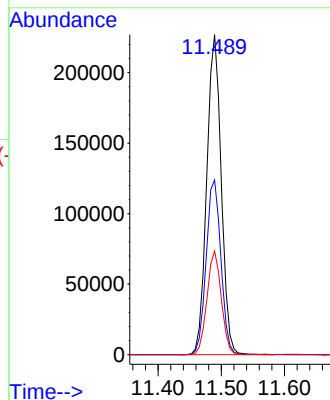
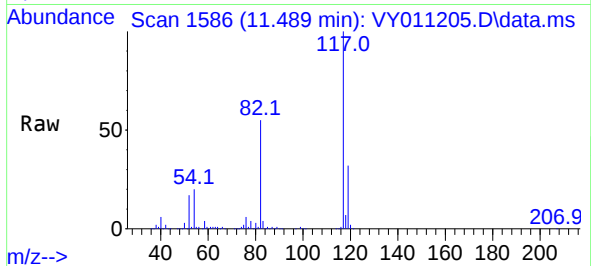




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

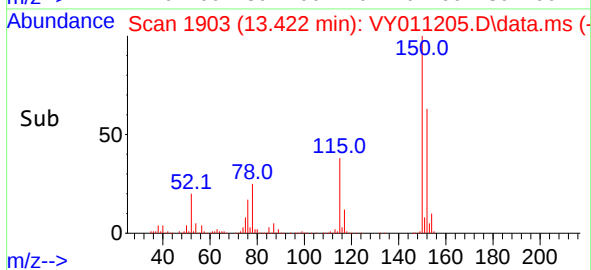
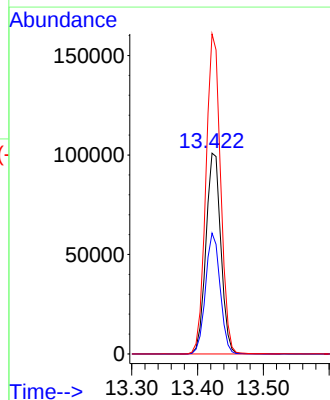
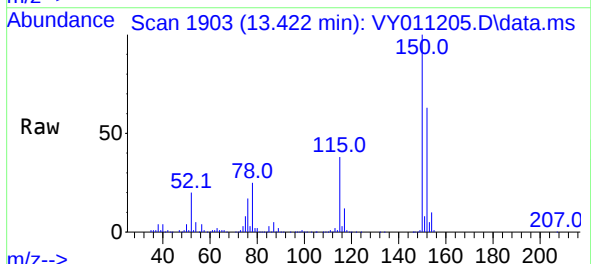
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

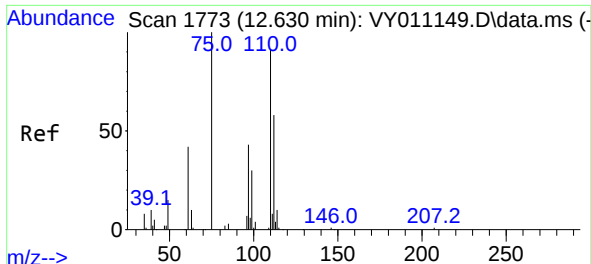
Tgt Ion:117 Resp: 362578
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion:152 Resp: 159145
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 157.2 0.0 347.6

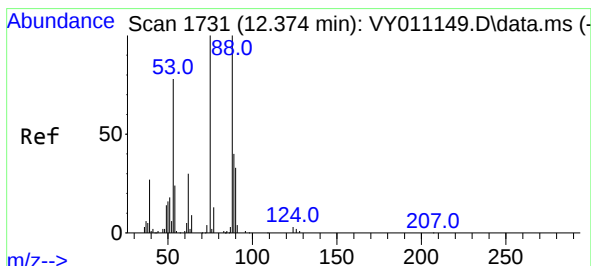
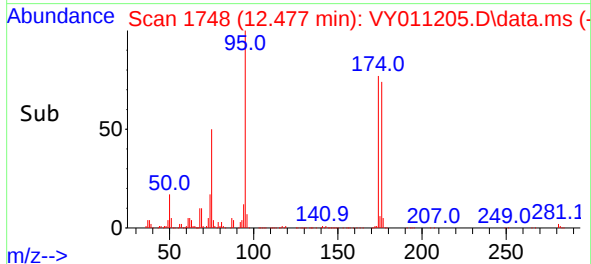
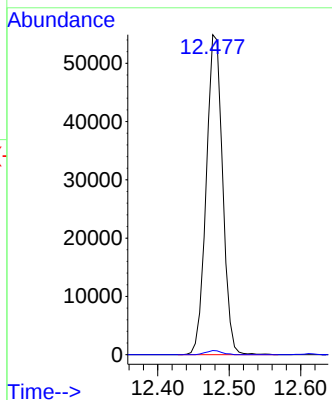
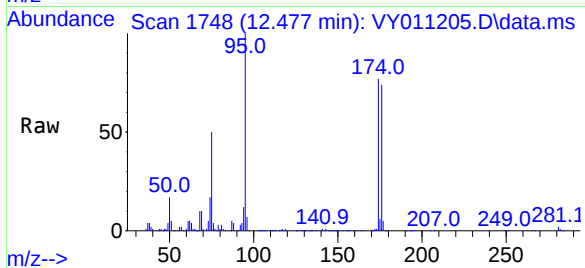




#76
1,2,3-Trichloropropane
Concen: 52.683 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

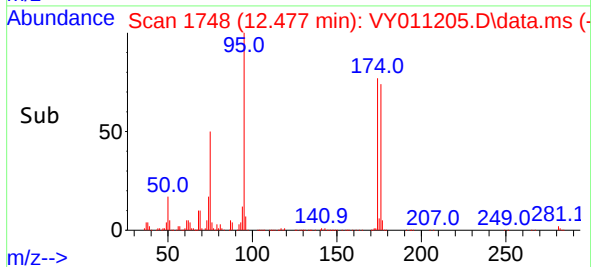
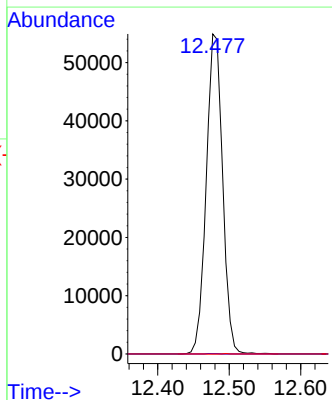
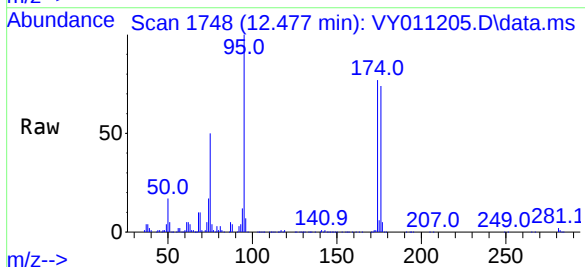
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-WC

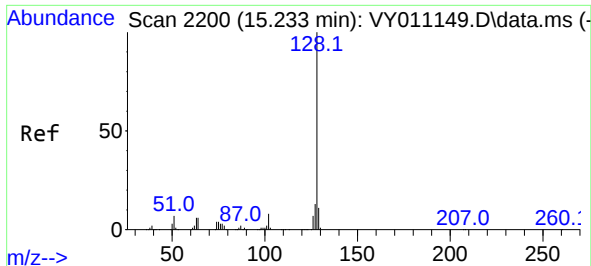
Tgt Ion: 75 Resp: 87168
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.881 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011205.D
Acq: 31 Oct 2022 18:19

Tgt Ion: 75 Resp: 87168
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.474 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011205.D

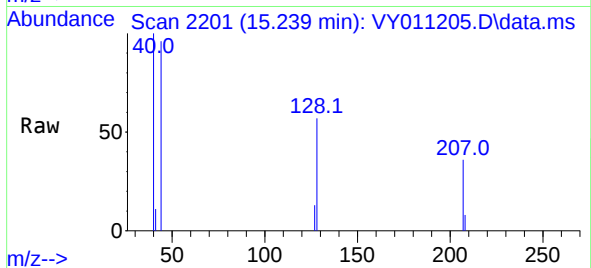
Acq: 31 Oct 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-2-WC



Tgt Ion:	128	Resp:	749
Ion	Ratio	Lower	Upper
128	100		
127	4.9	11.0	16.4#
129	2.8	8.4	12.6#

