

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011157.D
 Acq On : 28 Oct 2022 15:02
 Operator : KP/MD
 Sample : N5256-09RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-N2-13.5-14.0RE

Quant Time: Oct 28 23:45:41 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)

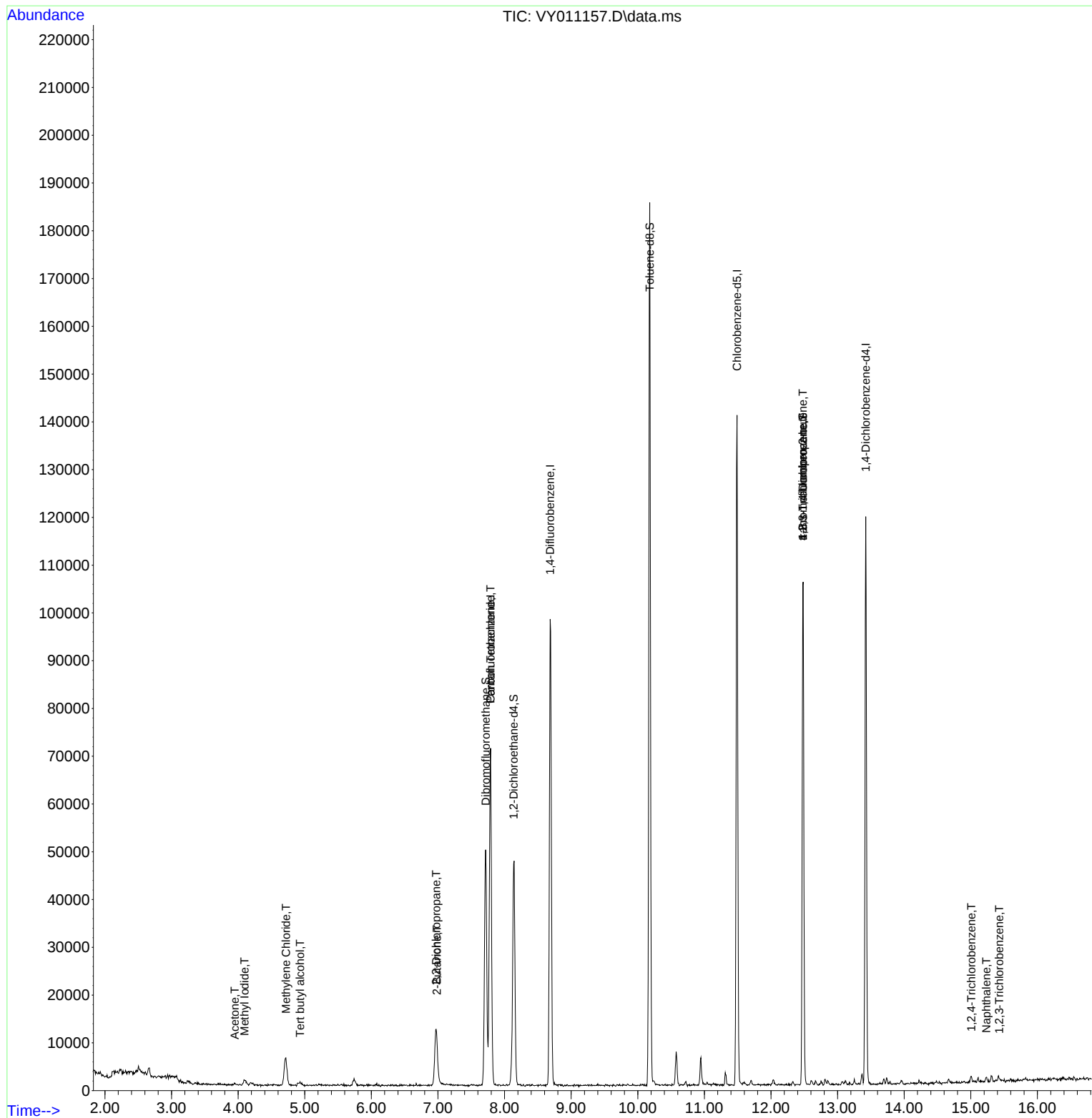
Internal Standards						
1) Pentafluorobenzene	7.789	168	54860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	88646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	79274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	35504	62.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.180%
35) Dibromofluoromethane	7.716	113	35625	65.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	130.700%
50) Toluene-d8	10.179	98	123903	57.371	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.740%
62) 4-Bromofluorobenzene	12.477	95	34946	49.452	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	86	Below Cal	#	43
3) Chloromethane	2.113	50	492	Below Cal	#	70
4) Vinyl Chloride	2.260	62	79	Below Cal	#	43
5) Bromomethane	2.662	94	704	Below Cal		86
6) Chloroethane	2.705	64	24	Below Cal	#	43
10) Methyl Iodide	4.095	142	1810	3.374	ug/l	90
11) Tert butyl alcohol	4.930	59	319	1.559	ug/l #	77
16) Acetone	3.948	43	651	4.690	ug/l #	47
17) Carbon Disulfide	4.192	76	44	Below Cal	#	75
18) Methyl Acetate	4.217	43	101	Below Cal	#	56
20) Methylene Chloride	4.716	84	4811	1.900	ug/l #	77
25) 2-Butanone	6.984	43	733	3.684	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	999	1.150	ug/l #	55
31) Cyclohexane	7.789	56	1040	Below Cal	#	1
38) Carbon Tetrachloride	7.789	117	5431	7.016	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	16555	51.971	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16555	110.369	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	570	1.159	ug/l	86
95) Naphthalene	15.233	128	1184	5.337	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.428	180	460	1.075	ug/l	84

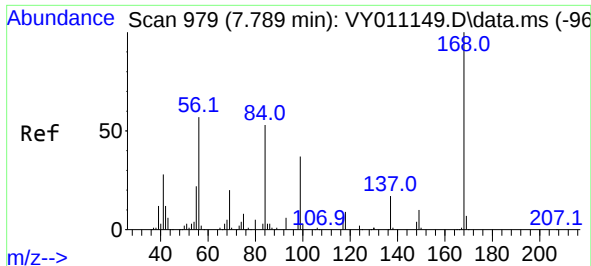
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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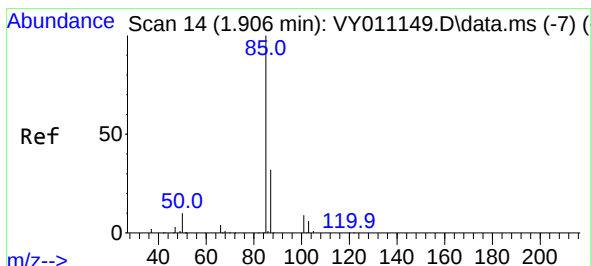
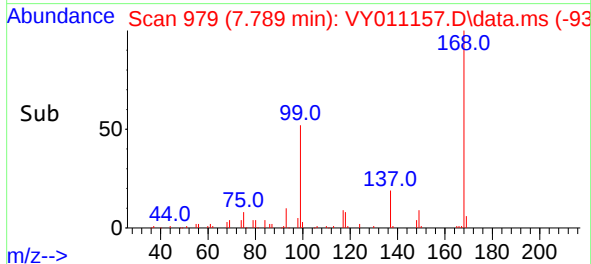
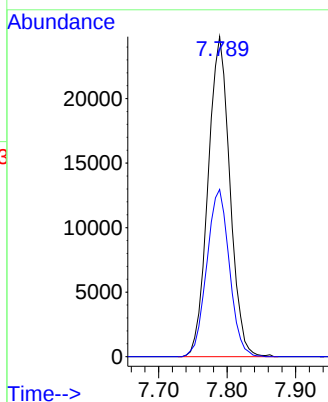
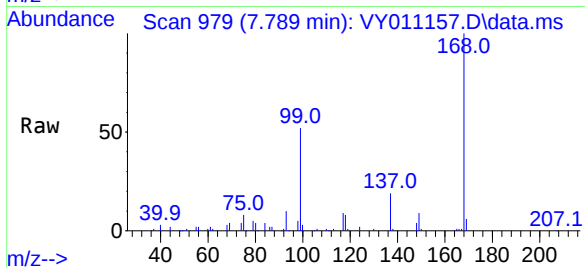




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

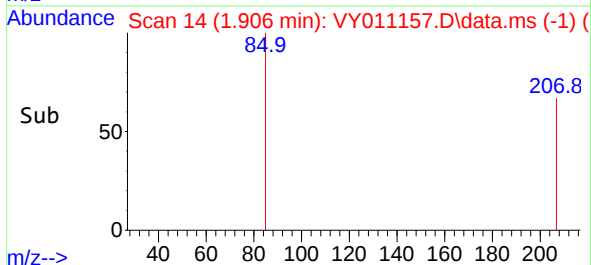
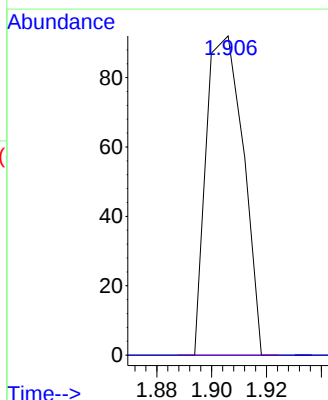
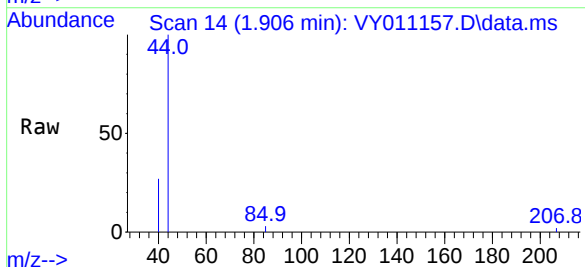
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

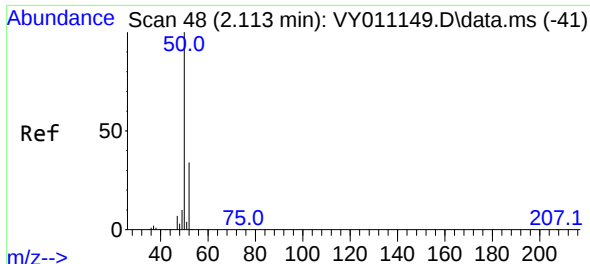
Tgt Ion:168 Resp: 54860
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 85 Resp: 86
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

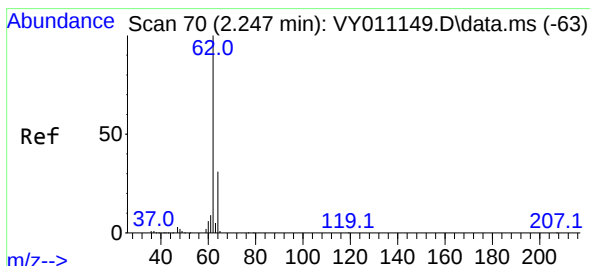
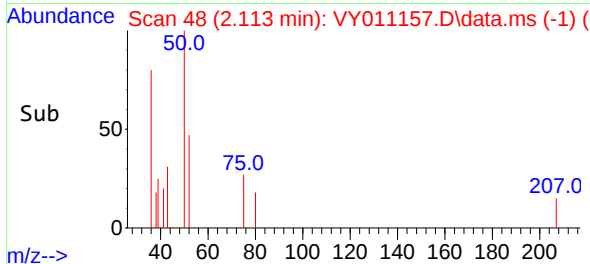
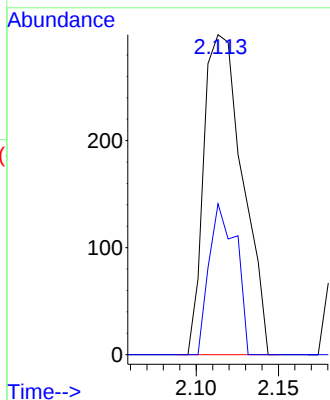
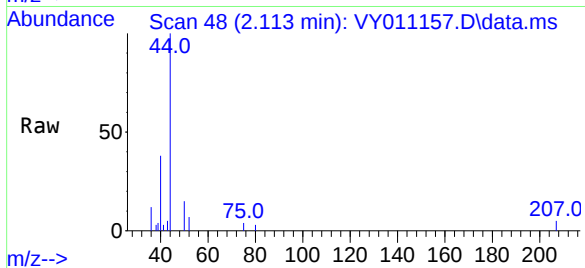




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

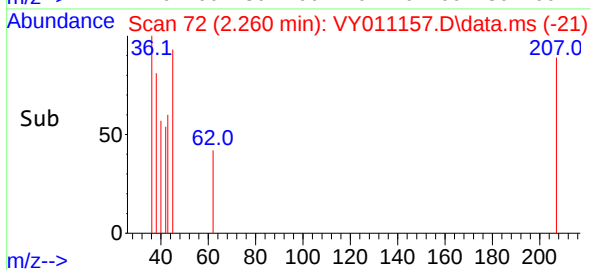
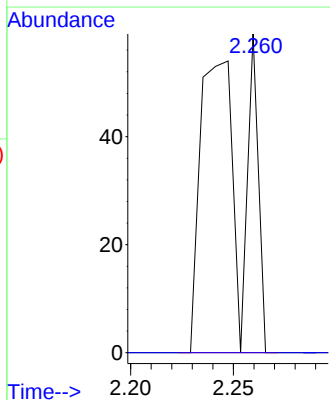
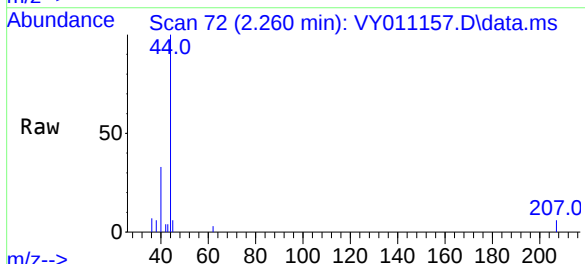
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

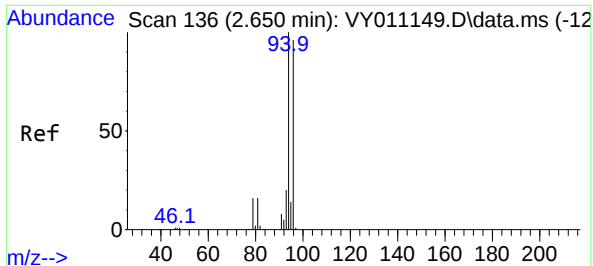
Tgt Ion: 50 Resp: 492
Ion Ratio Lower Upper
50 100
52 47.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.260 min Scan# 72
Delta R.T. 0.013 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 62 Resp: 79
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

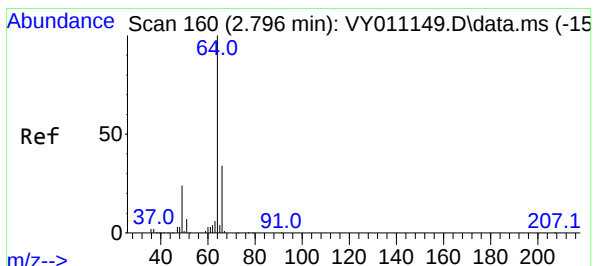
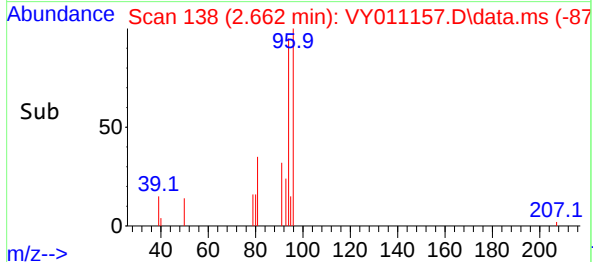
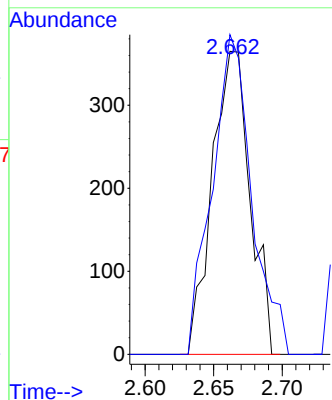
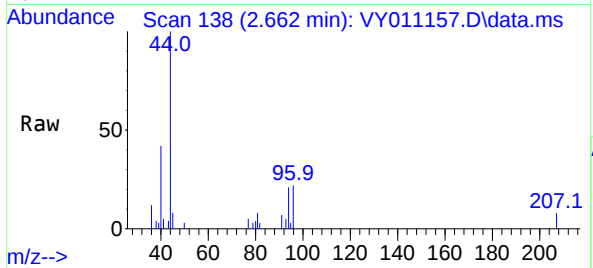




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

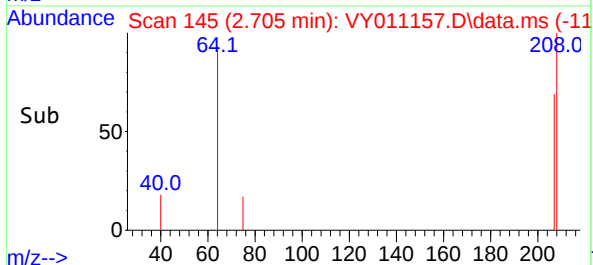
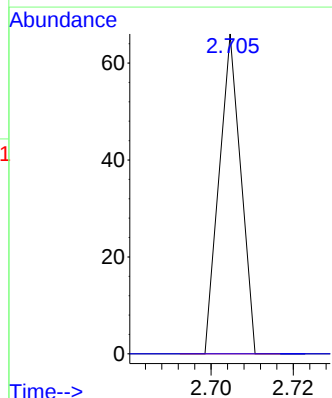
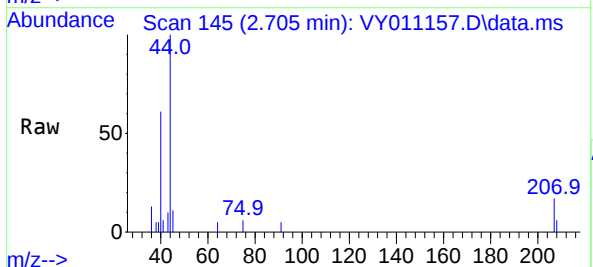
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

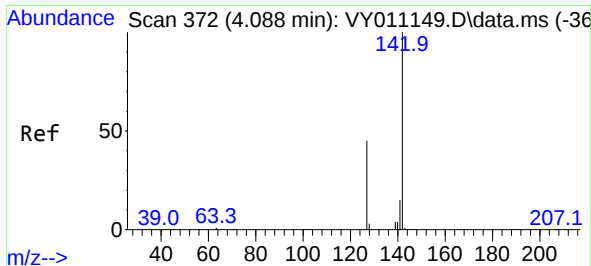
Tgt Ion: 94 Resp: 704
Ion Ratio Lower Upper
94 100
96 105.5 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.705 min Scan# 145
Delta R.T. -0.091 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

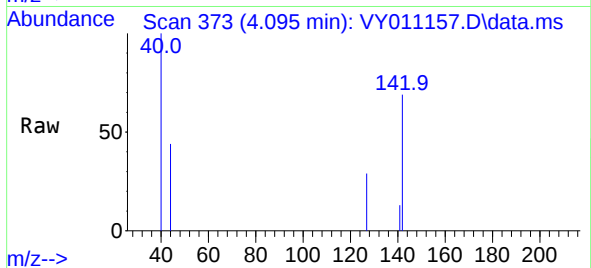
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



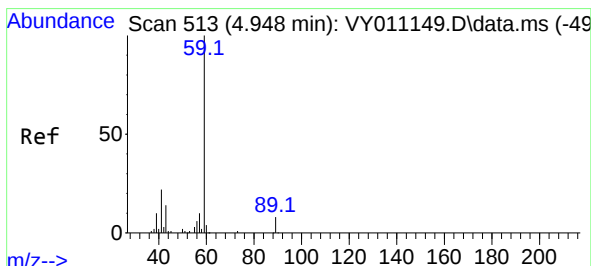
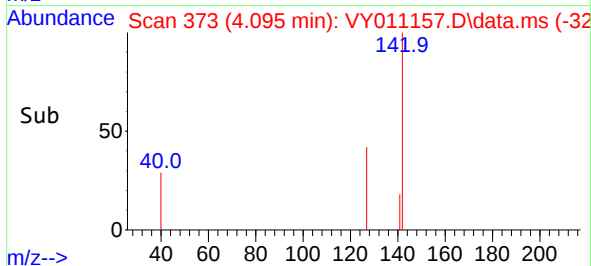
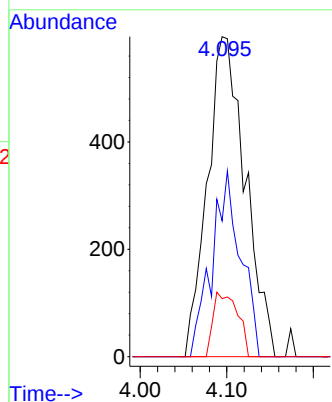


#10
Methyl Iodide
Concen: 3.374 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

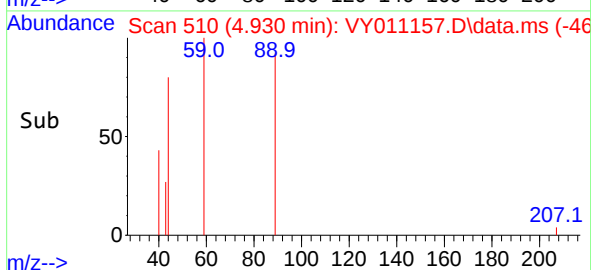
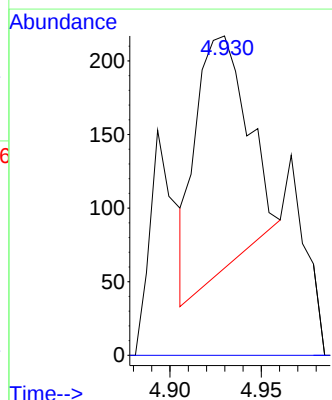
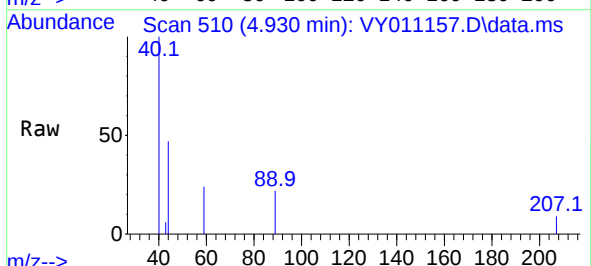


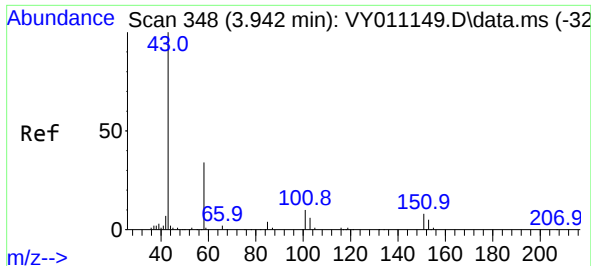
Tgt Ion:142 Resp: 1810
Ion Ratio Lower Upper
142 100
127 44.2 41.5 62.3
141 12.9 11.9 17.9



#11
Tert butyl alcohol
Concen: 1.559 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

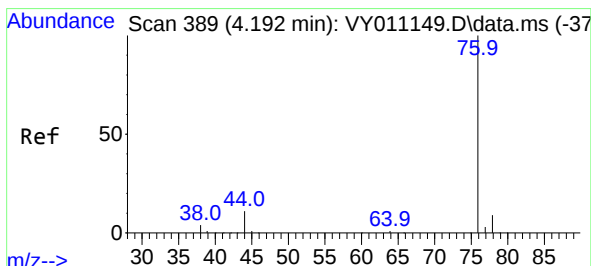
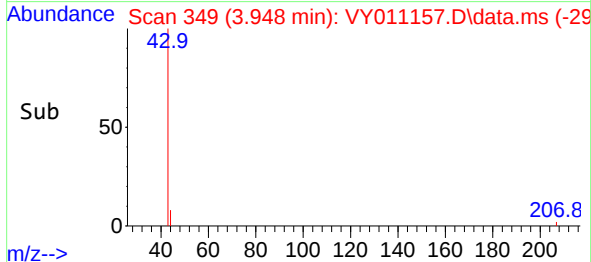
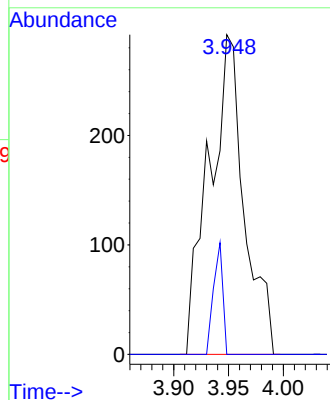
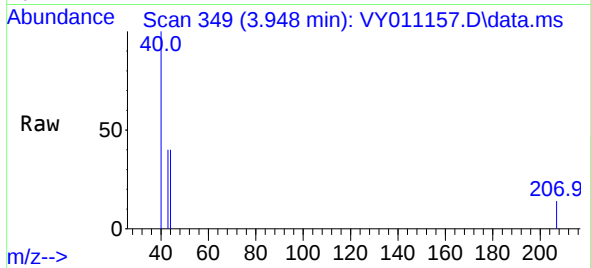




#16
Acetone
Concen: 4.690 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

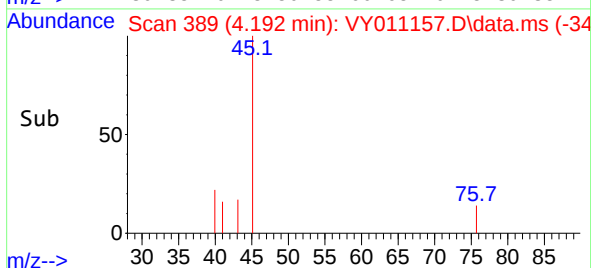
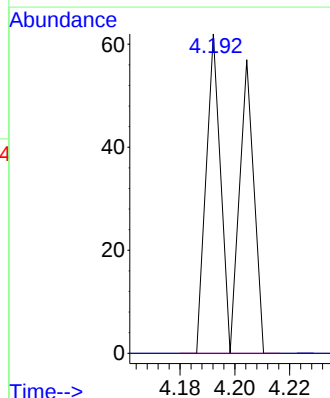
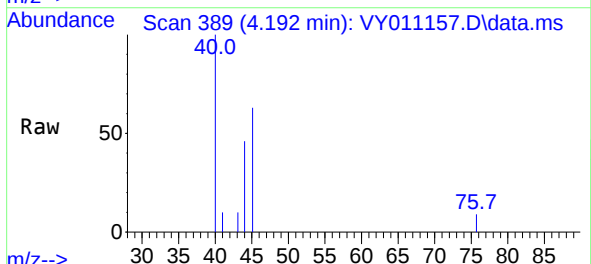
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

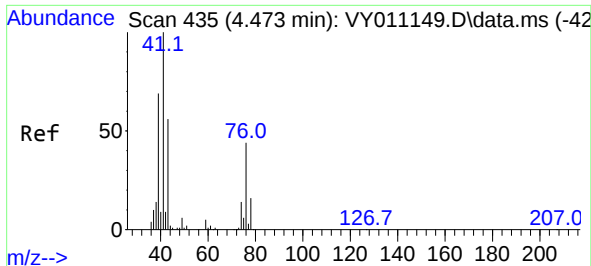
Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 76 Resp: 44
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

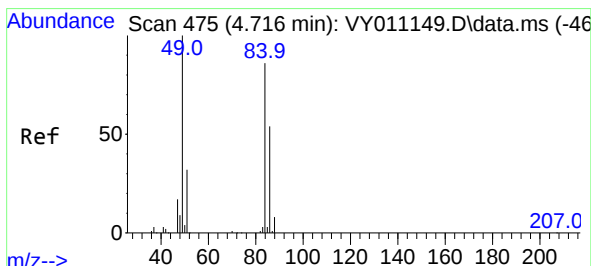
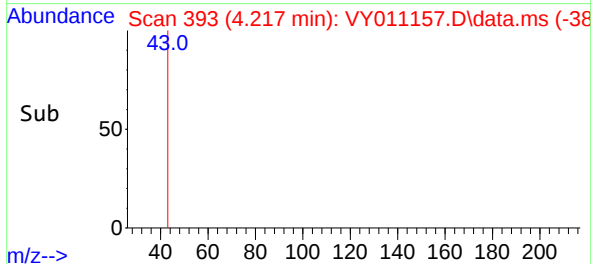
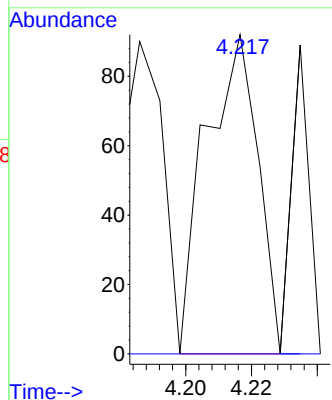
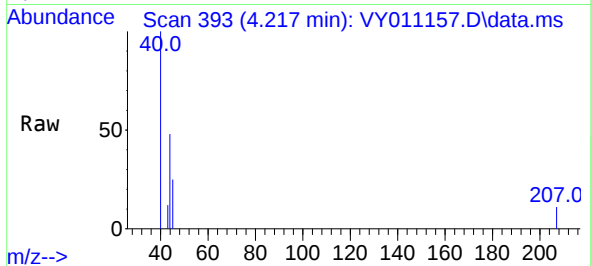




#18
Methyl Acetate
Concen: Below Cal
RT: 4.217 min Scan# 393
Delta R.T. -0.256 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

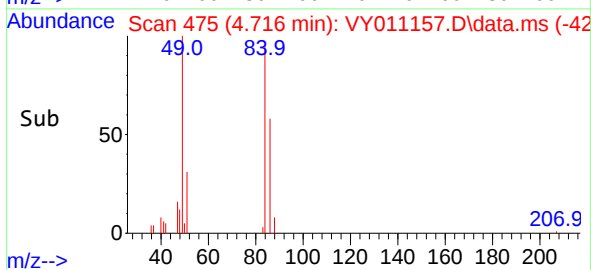
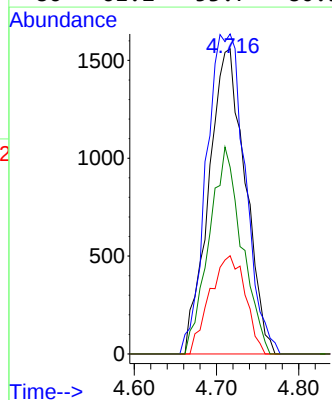
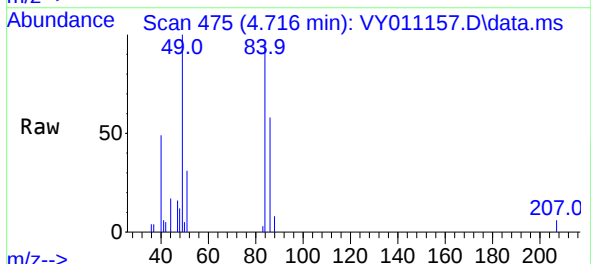
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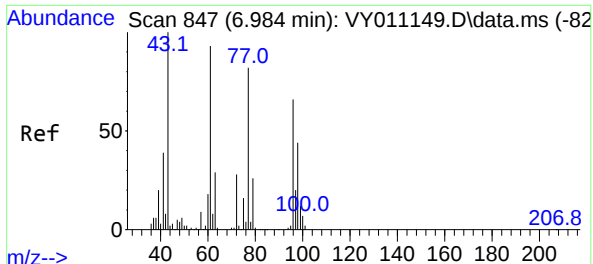
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.900 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 84 Resp: 4811
Ion Ratio Lower Upper
84 100
49 104.9 114.4 171.6#
51 32.2 35.3 52.9#
86 61.2 53.7 80.5

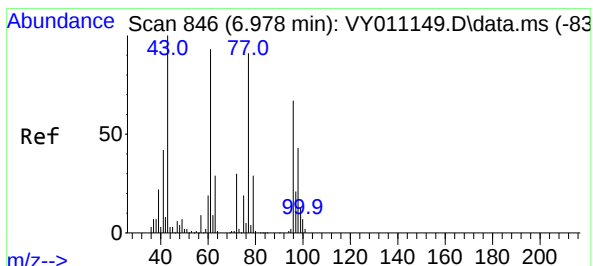
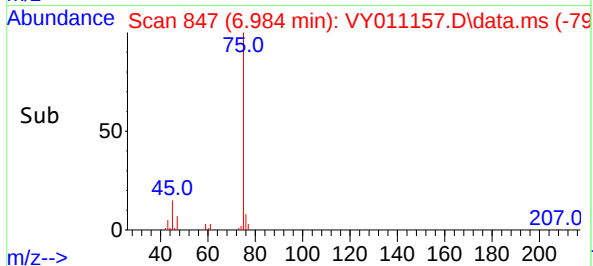
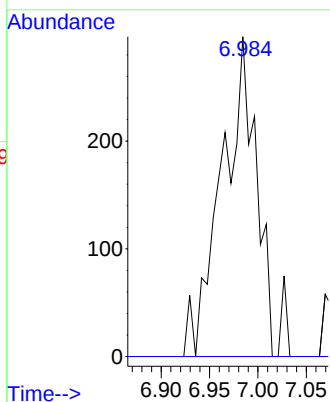
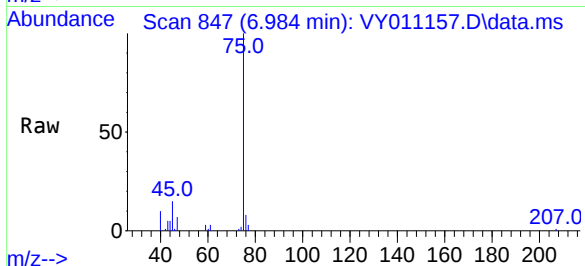




#25
2-Butanone
Concen: 3.684 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

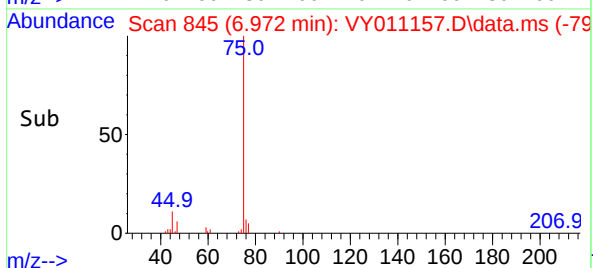
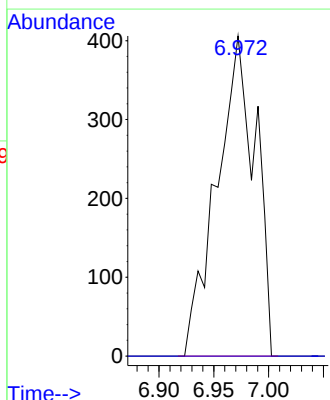
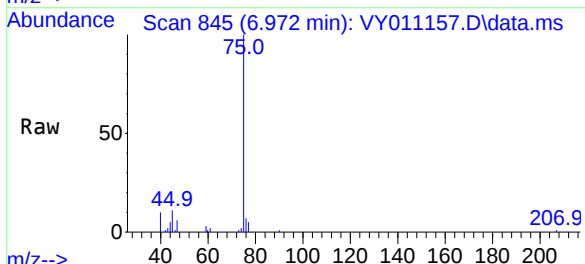
Instrument :
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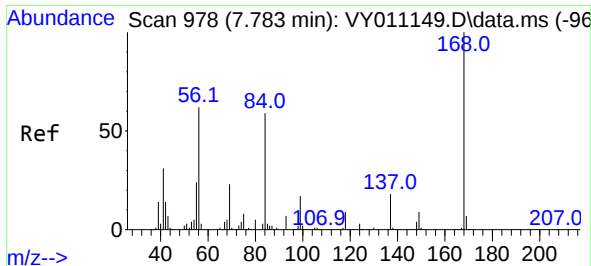
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.150 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 77 Resp: 999
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

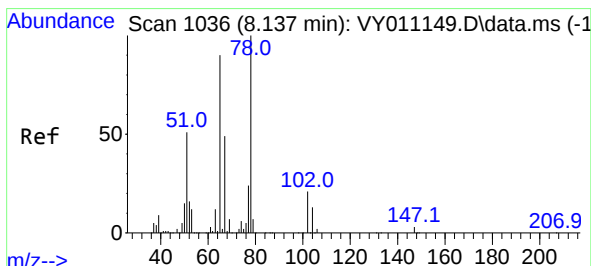
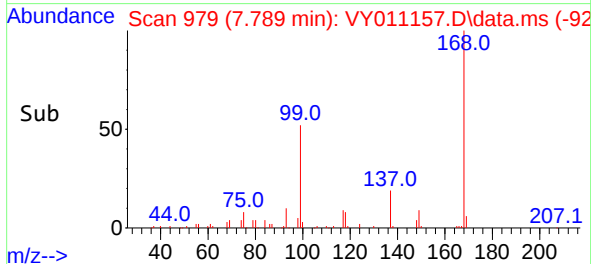
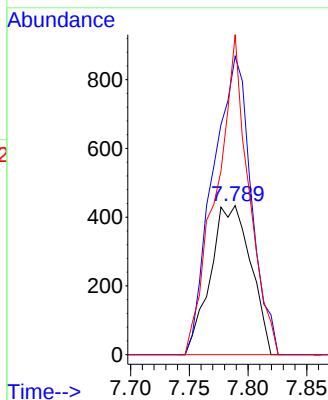
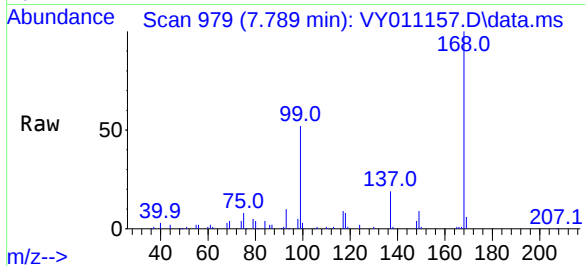




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

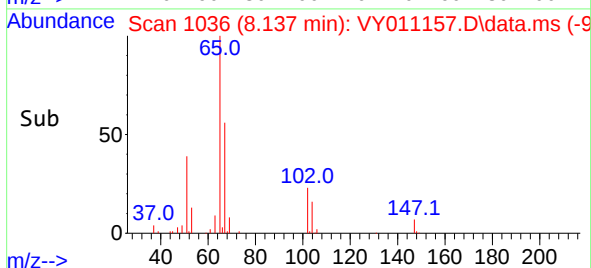
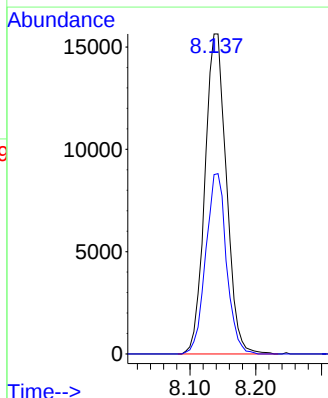
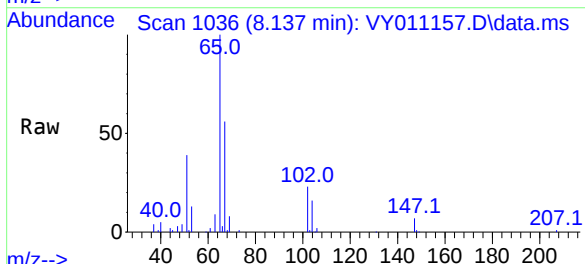
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

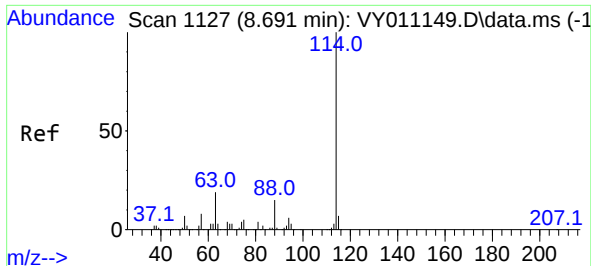
Tgt Ion: 56 Resp: 1040
Ion Ratio Lower Upper
56 100
69 200.0 26.7 40.1#
84 214.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.588 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 65 Resp: 35504
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY011157.D

Acq: 28 Oct 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

SB-N2-13.5-14.0RE

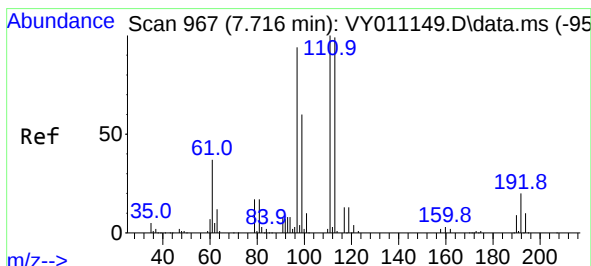
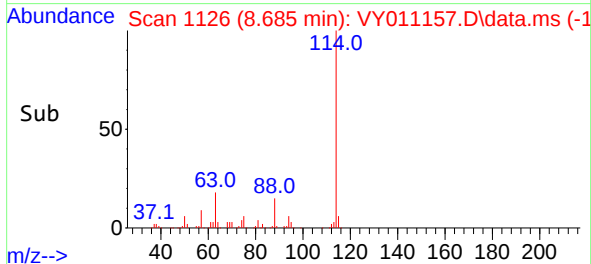
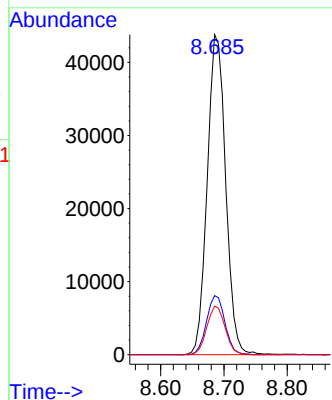
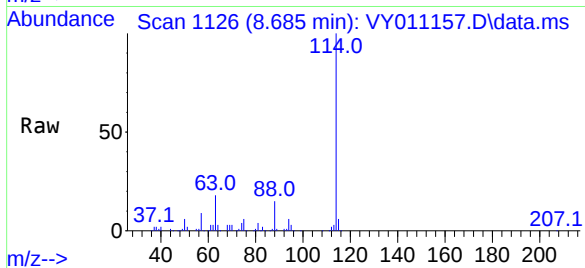
Tgt Ion:114 Resp: 88646

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.350 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011157.D

Acq: 28 Oct 2022 15:02

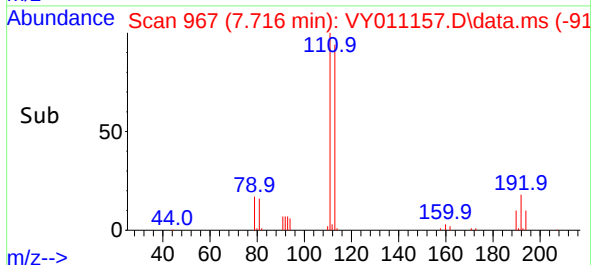
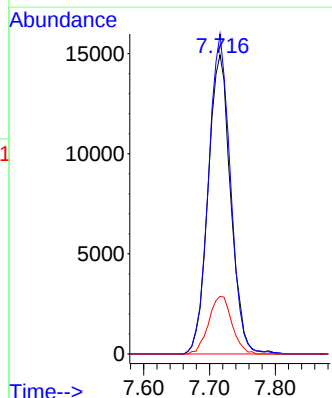
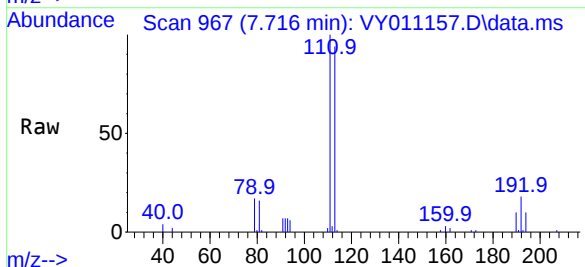
Tgt Ion:113 Resp: 35625

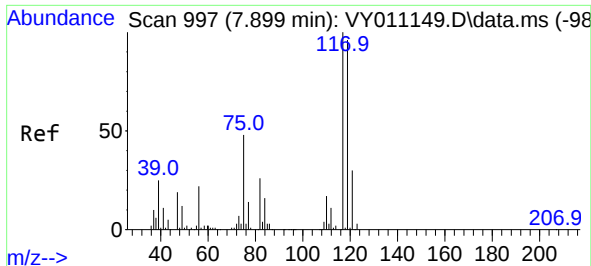
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.9 17.6 26.4

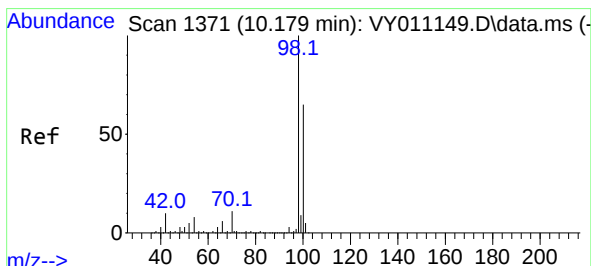
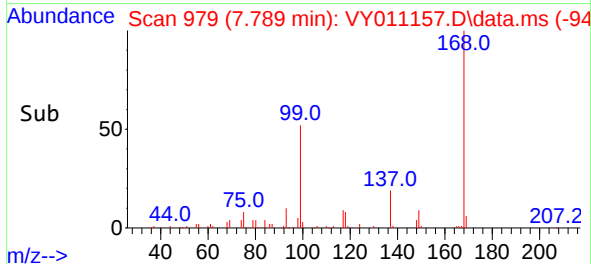
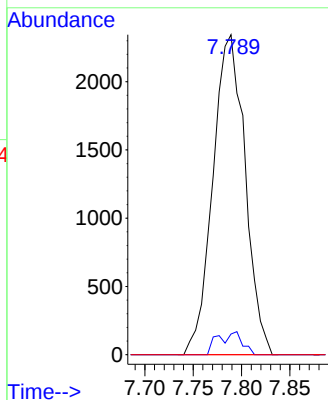
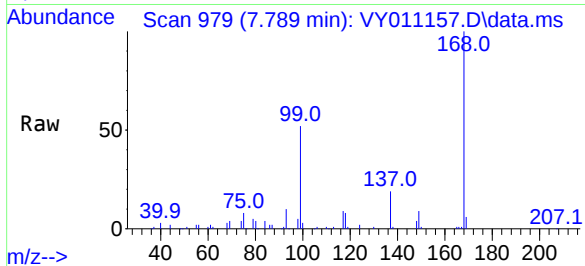




#38
Carbon Tetrachloride
Concen: 7.016 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

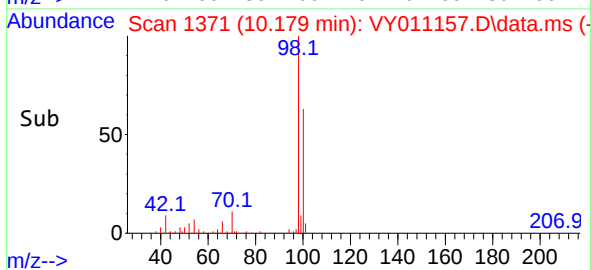
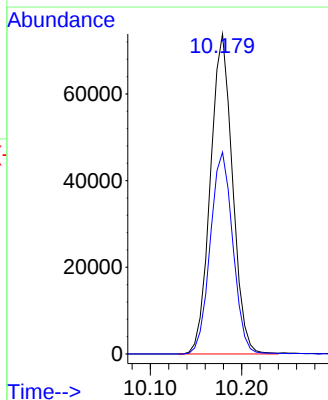
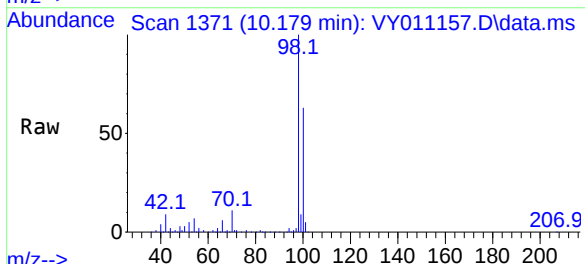
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

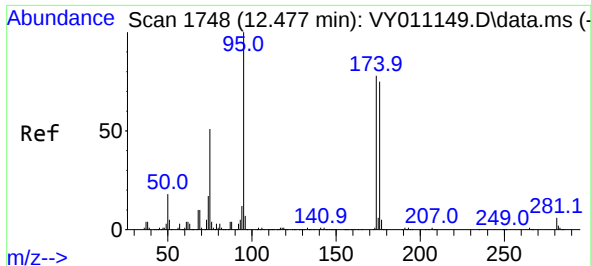
Tgt Ion:117 Resp: 5431
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.371 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 98 Resp: 123903
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

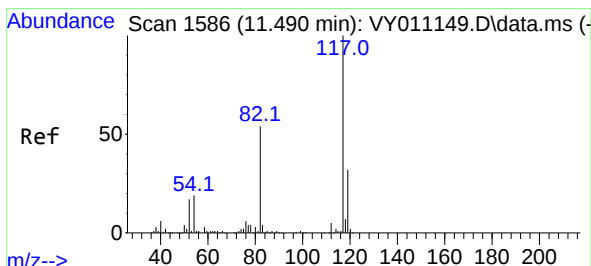
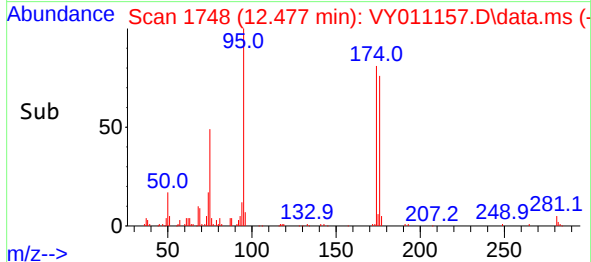
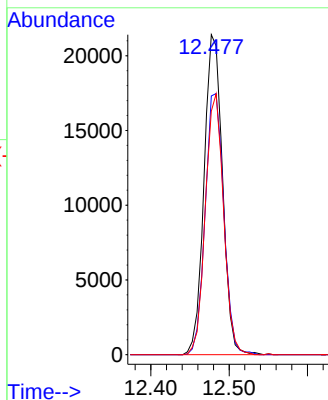
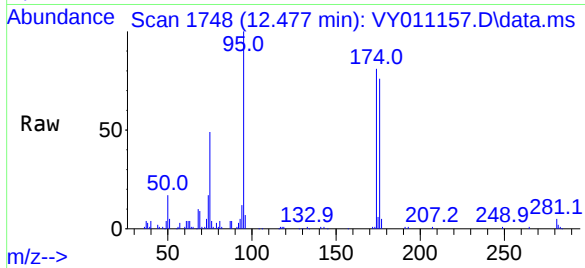




#62
4-Bromofluorobenzene
Concen: 49.452 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

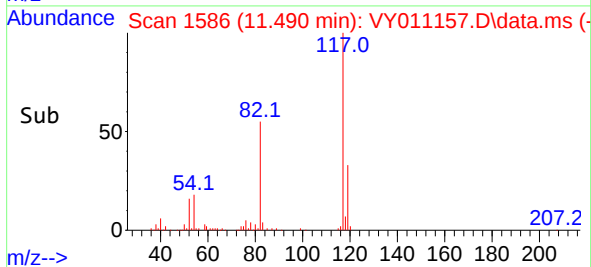
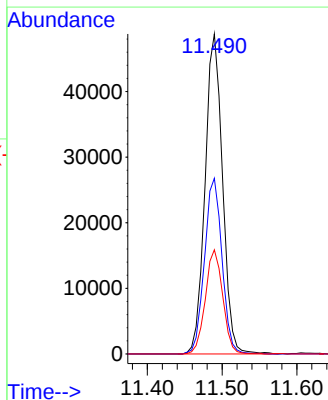
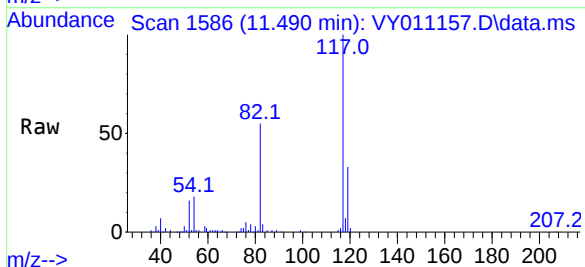
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

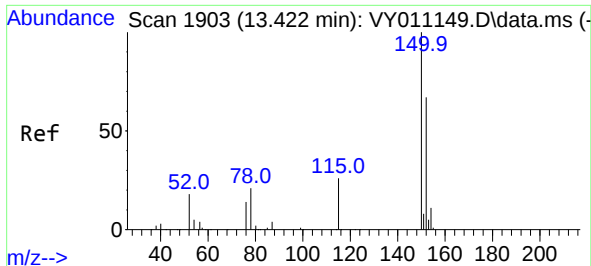
Tgt Ion: 95 Resp: 34946
Ion Ratio Lower Upper
95 100
174 82.5 0.0 177.0
176 80.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion: 117 Resp: 79274
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.5 25.4 38.0

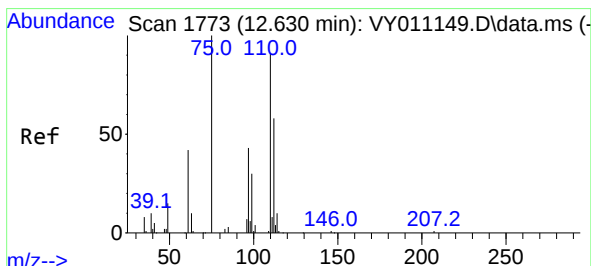
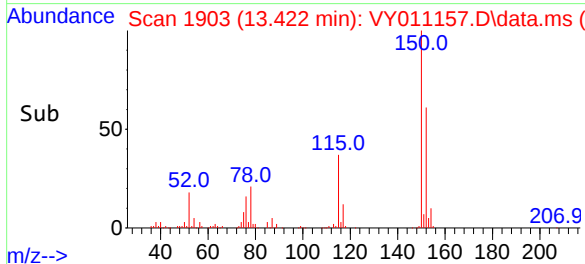
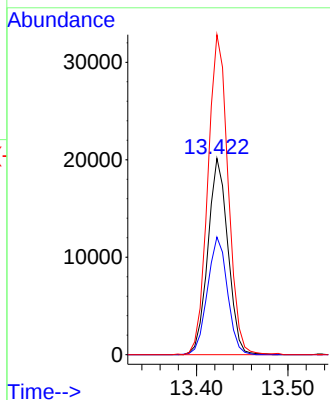
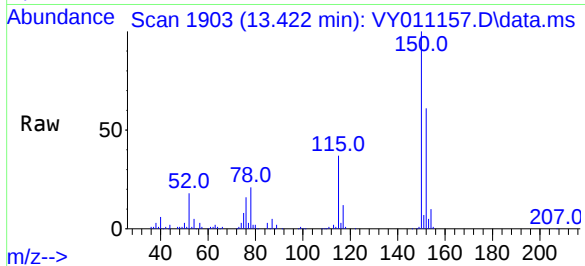




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011157.D
 Acq: 28 Oct 2022 15:02

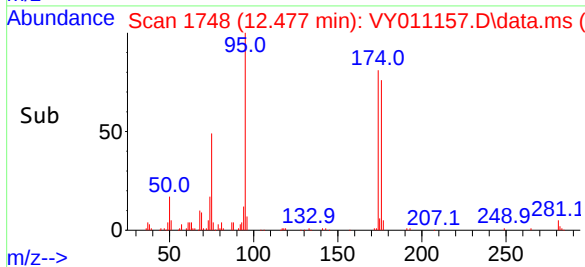
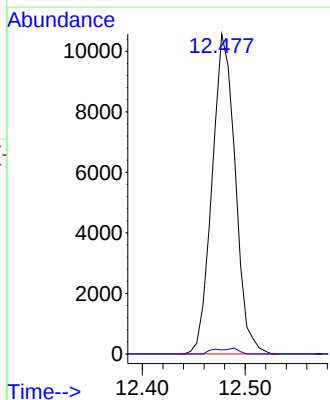
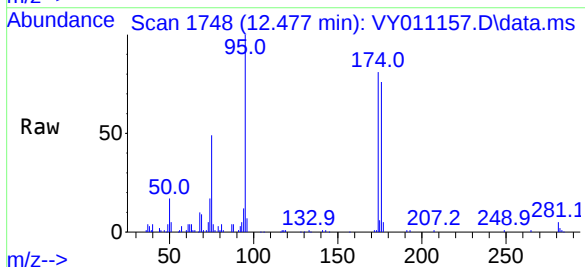
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-N2-13.5-14.0RE

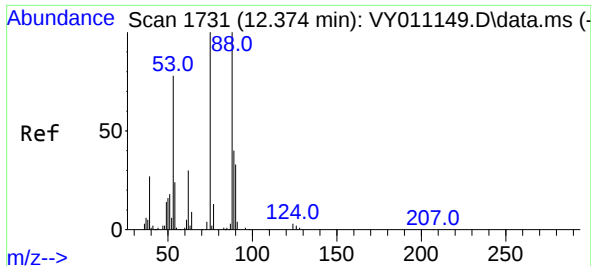
Tgt Ion:152 Resp: 30639
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.2 84.7
 150 164.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.971 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011157.D
 Acq: 28 Oct 2022 15:02

Tgt Ion: 75 Resp: 16555
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

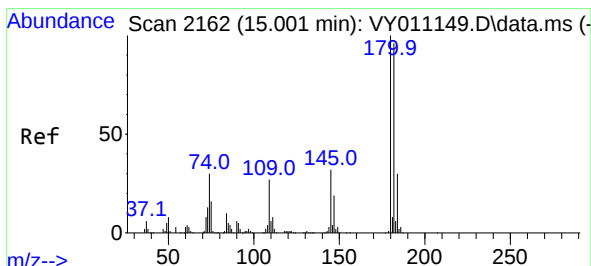
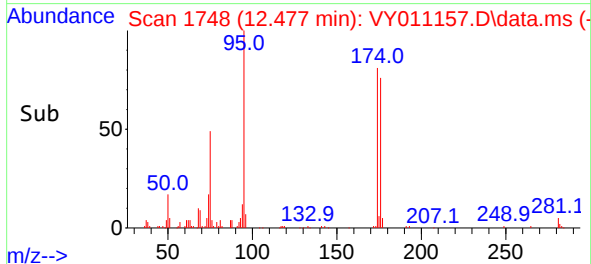
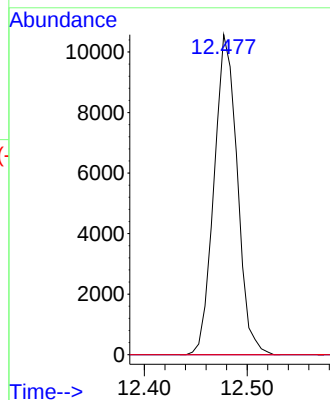
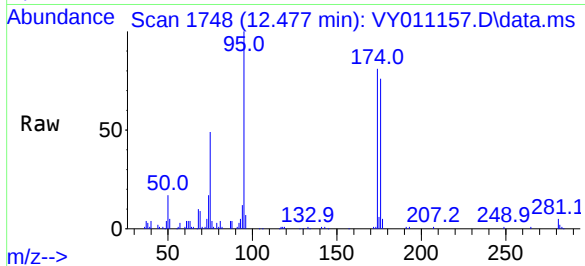




#81
trans-1,4-Dichloro-2-butene
Concen: 110.369 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

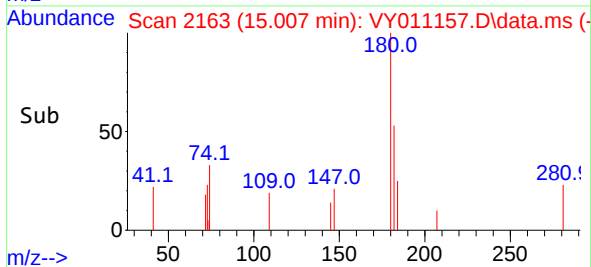
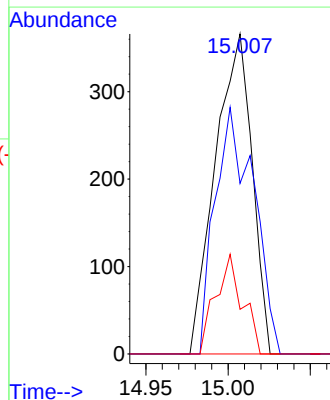
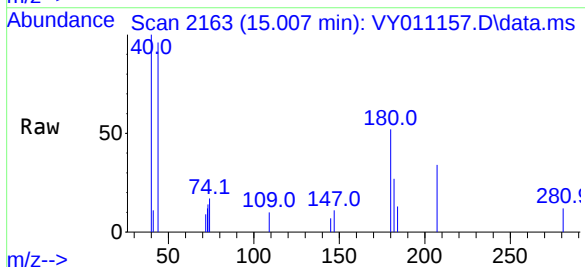
Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

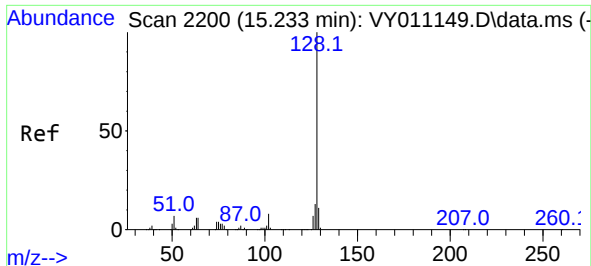
Tgt Ion: 75 Resp: 16555
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.159 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion:180 Resp: 570
Ion Ratio Lower Upper
180 100
182 80.9 47.3 141.9
145 22.6 14.6 43.8

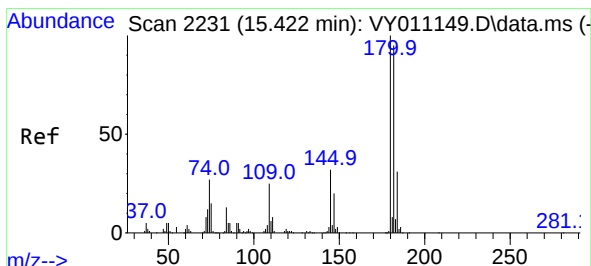
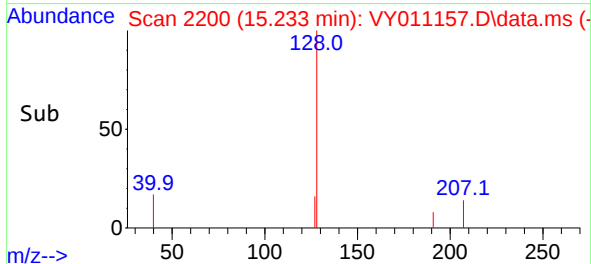
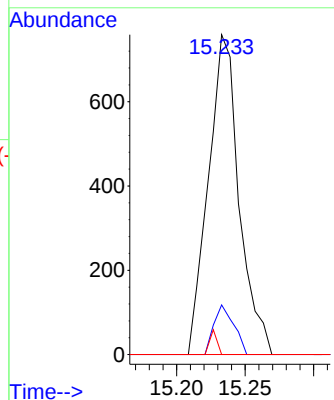
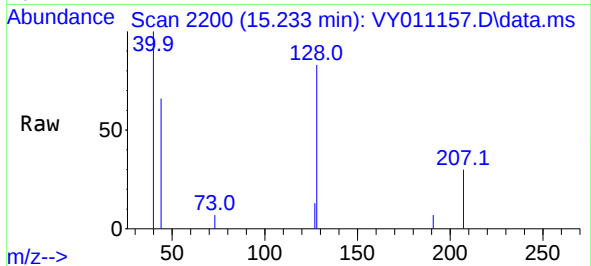




#95
Naphthalene
Concen: 5.337 ug/l
RT: 15.233 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
SB-N2-13.5-14.0RE

Tgt Ion:	128	Resp:	1184
Ion	Ratio	Lower	Upper
128	100		
127	10.1	11.0	16.4#
129	1.9	8.4	12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.075 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY011157.D
Acq: 28 Oct 2022 15:02

Tgt Ion:	180	Resp:	460
Ion	Ratio	Lower	Upper
180	100		
182	111.7	47.3	141.9
145	25.7	15.3	45.9

