

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014331.D
 Acq On : 21 Jun 2023 13:24
 Operator : KP/MD
 Sample : 03335-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-7-061923

Quant Time: Jun 22 01:56:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

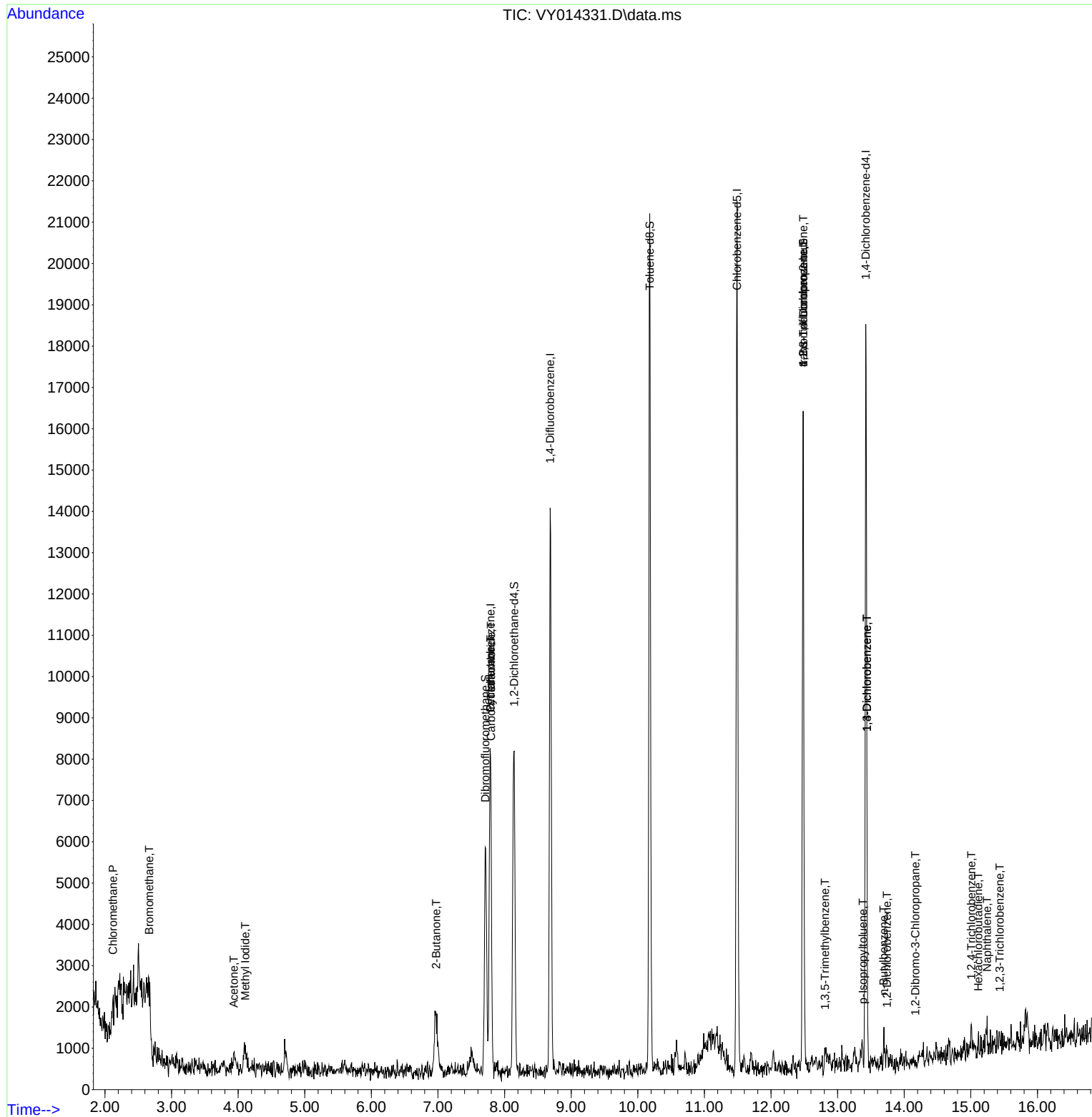
Internal Standards						
1) Pentafluorobenzene	7.789	168	6693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7152	76.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.480%
35) Dibromofluoromethane	7.710	113	3638	43.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.179	98	14128	45.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.160%
62) 4-Bromofluorobenzene	12.483	95	4505	40.464	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.920%
Target Compounds						Qvalue
3) Chloromethane	2.119	50	426	4.504	ug/l	92
5) Bromomethane	2.662	94	635	8.369	ug/l	92
10) Methyl Iodide	4.107	142	973	9.773	ug/l #	38
16) Acetone	3.936	43	333	11.853	ug/l #	88
25) 2-Butanone	6.972	43	83	2.400	ug/l #	49
31) Cyclohexane	7.789	56	230	1.842	ug/l #	68
38) Carbon Tetrachloride	7.795	117	534	3.541	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2338	34.990	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	352	1.058	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.483	75	2338	75.635	ug/l #	10
86) p-Isopropyltoluene	13.379	119	352	1.001	ug/l #	69
87) 1,3-Dichlorobenzene	13.440	146	290	1.487	ug/l	77
88) 1,4-Dichlorobenzene	13.440	146	290	1.476	ug/l	78
89) n-Butylbenzene	13.690	91	330	1.011	ug/l #	80
91) 1,2-Dichlorobenzene	13.739	146	271	1.548	ug/l #	65
92) 1,2-Dibromo-3-Chloropr...	14.166	75	20	1.210	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.007	180	236	2.127	ug/l #	59
94) Hexachlorobutadiene	15.111	225	185	2.889	ug/l #	56
95) Naphthalene	15.245	128	856	3.802	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.434	180	212	2.115	ug/l #	85

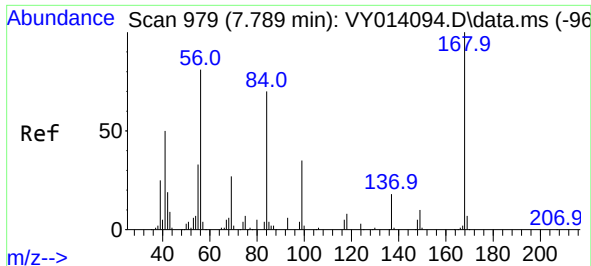
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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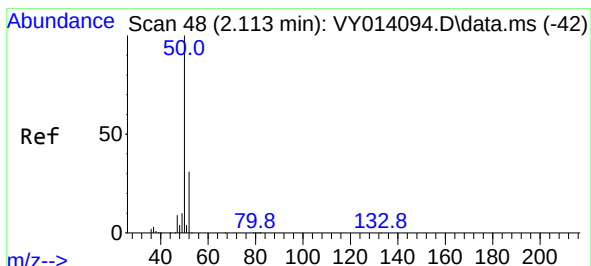
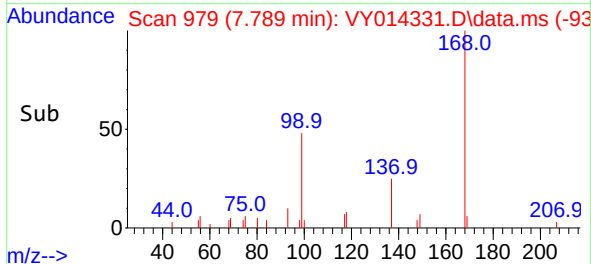
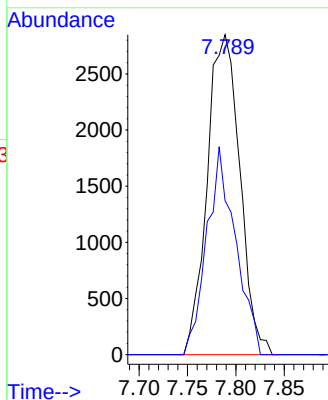
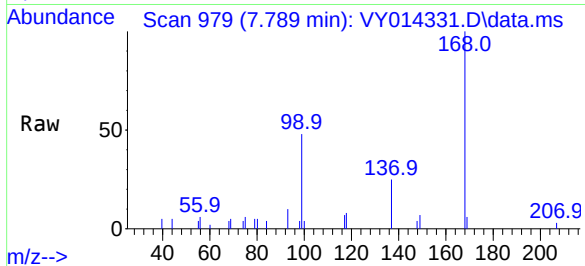




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

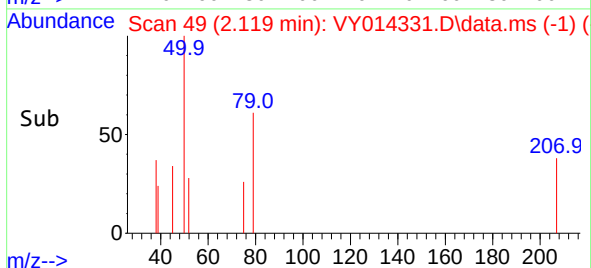
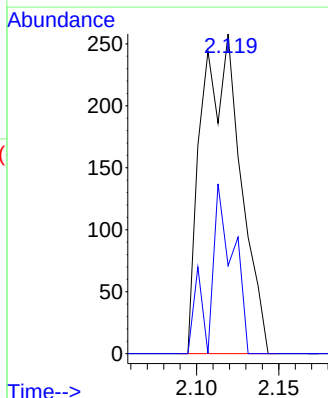
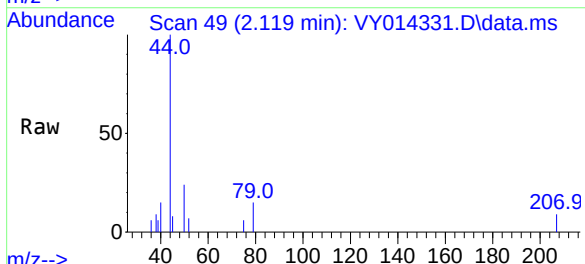
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

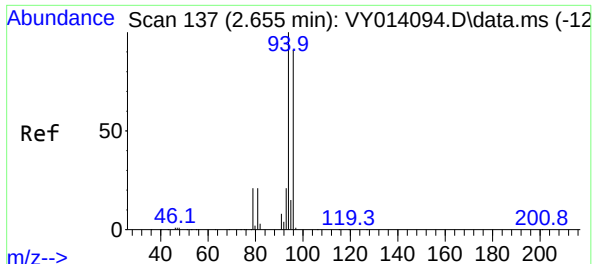
Tgt Ion:168 Resp: 6693
Ion Ratio Lower Upper
168 100
99 48.1 43.4 65.0



#3
Chloromethane
Concen: 4.504 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 27.5 25.4 38.2

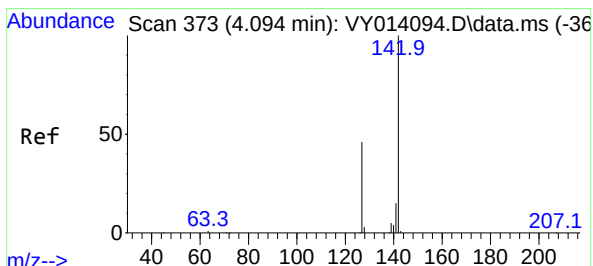
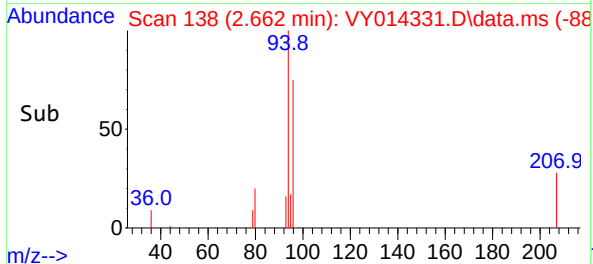
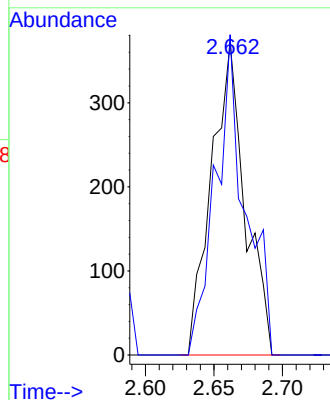
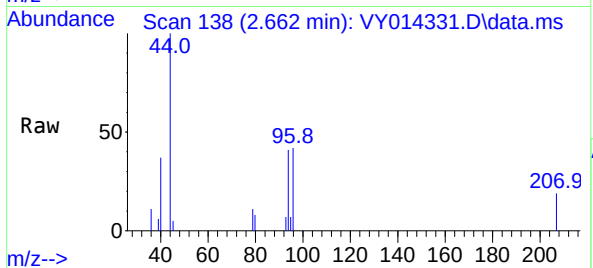




#5
Bromomethane
Concen: 8.369 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

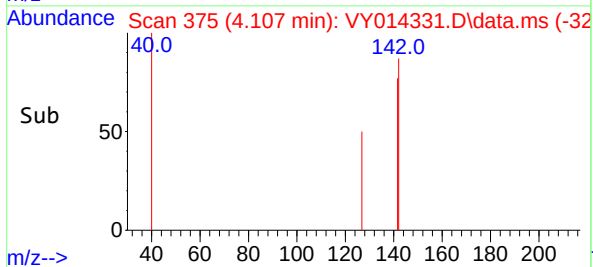
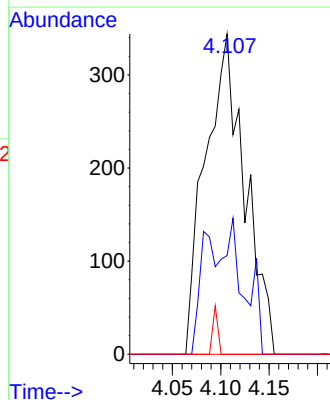
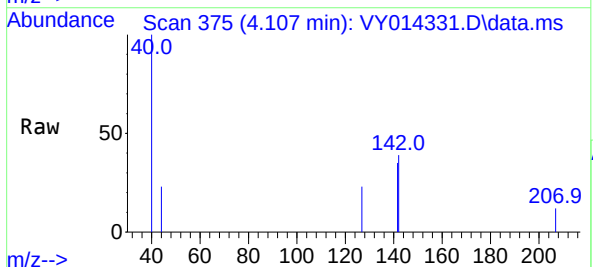
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

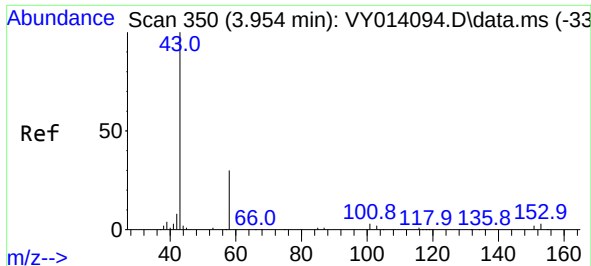
Tgt Ion: 94 Resp: 635
Ion Ratio Lower Upper
94 100
96 102.4 75.8 113.6



#10
Methyl Iodide
Concen: 9.773 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 142 Resp: 973
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

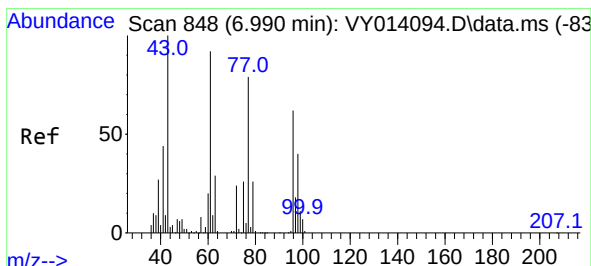
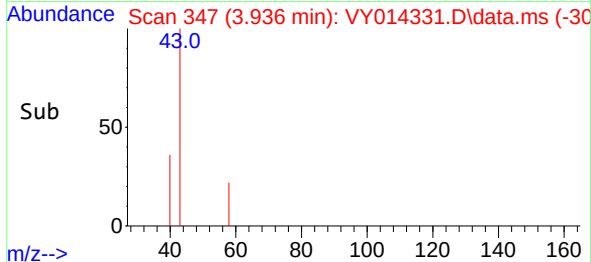
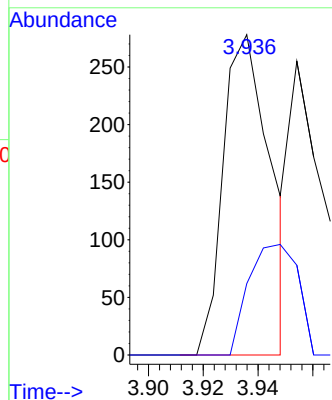
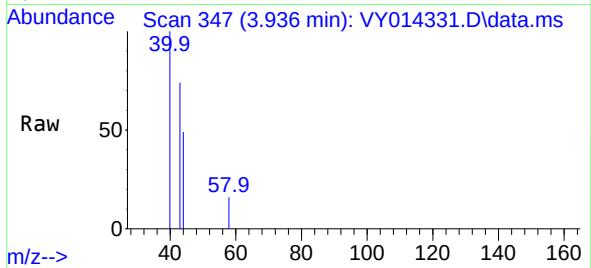




#16
Acetone
Concen: 11.853 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

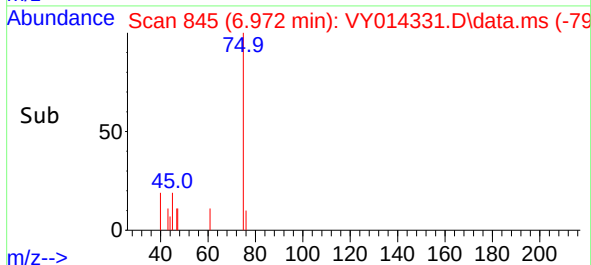
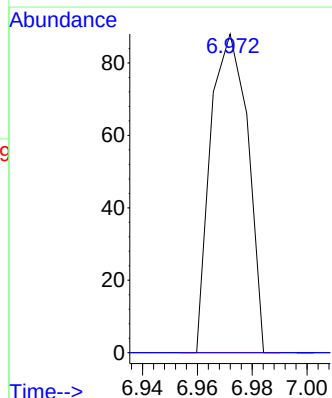
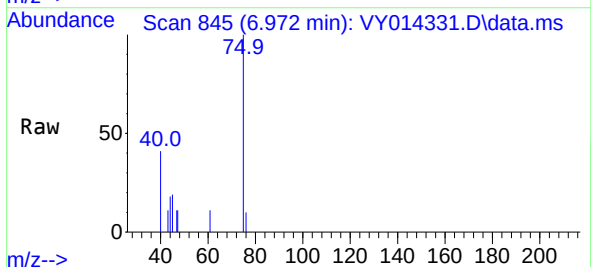
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

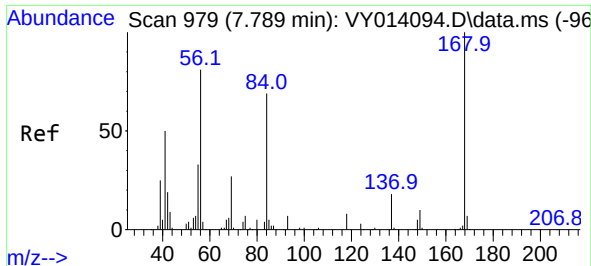
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 22.3 22.7 34.1#



#25
2-Butanone
Concen: 2.400 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

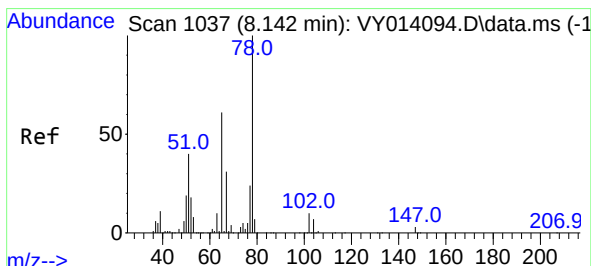
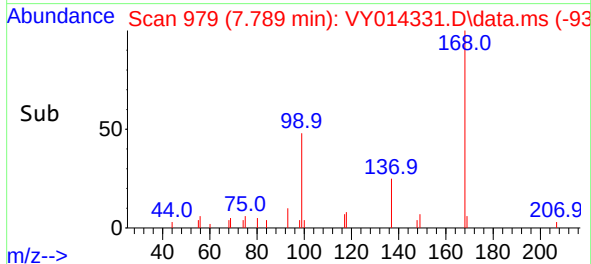
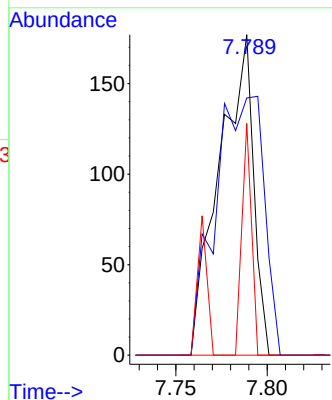
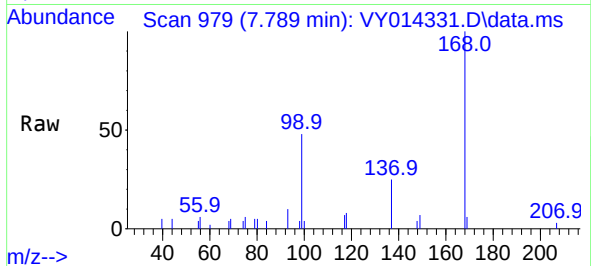




#31
Cyclohexane
Concen: 1.842 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

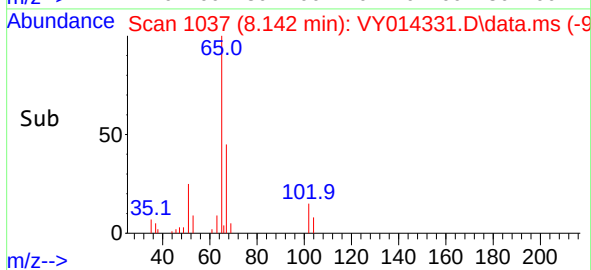
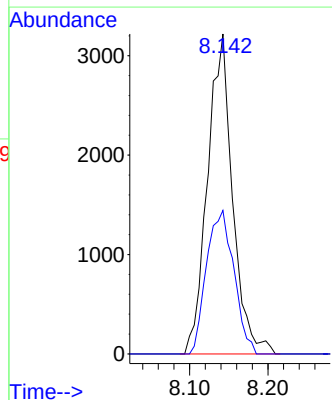
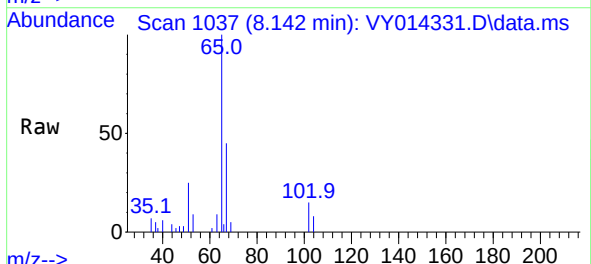
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

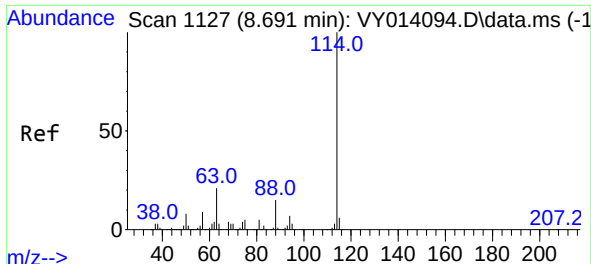
Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
69 80.2 27.8 41.6#
84 72.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 76.737 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 65 Resp: 7152
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY014331.D

Acq: 21 Jun 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-061923

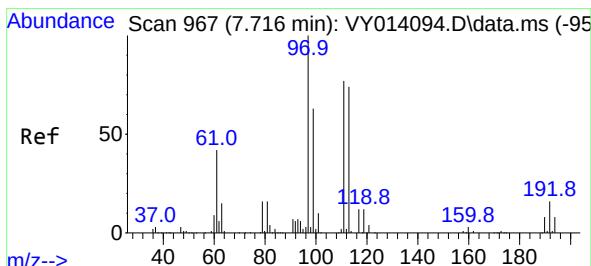
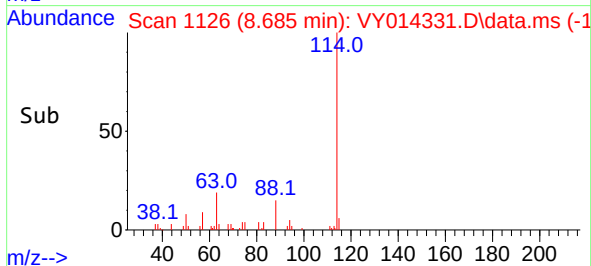
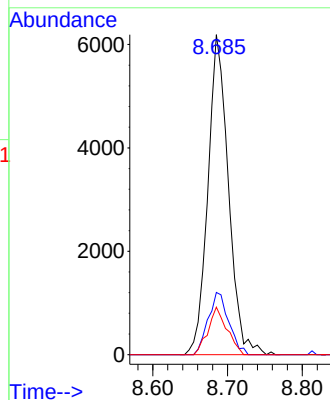
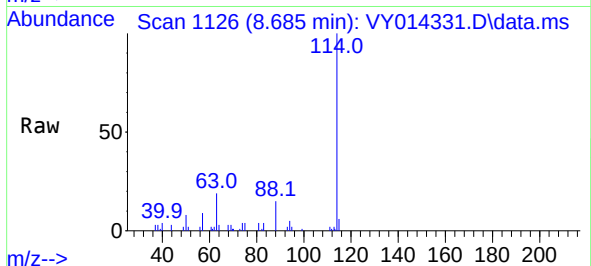
Tgt Ion:114 Resp: 11821

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.396 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014331.D

Acq: 21 Jun 2023 13:24

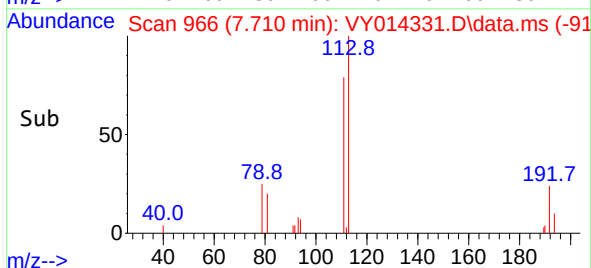
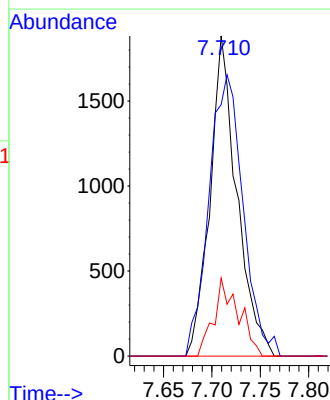
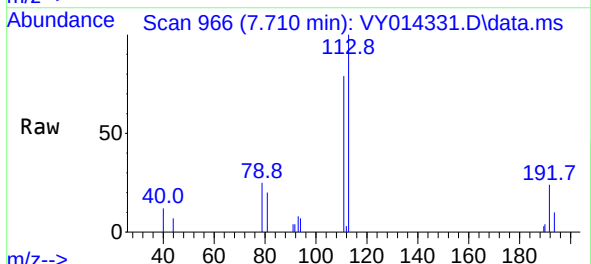
Tgt Ion:113 Resp: 3638

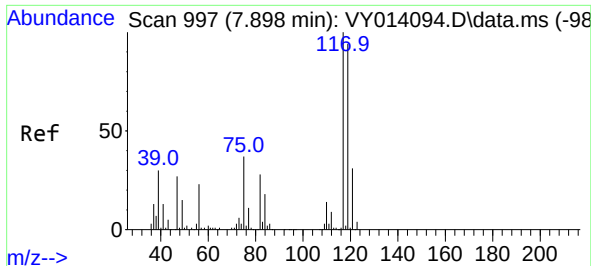
Ion Ratio Lower Upper

113 100

111 111.3 81.3 121.9

192 22.5 16.9 25.3

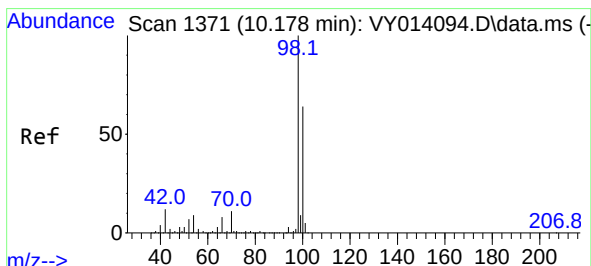
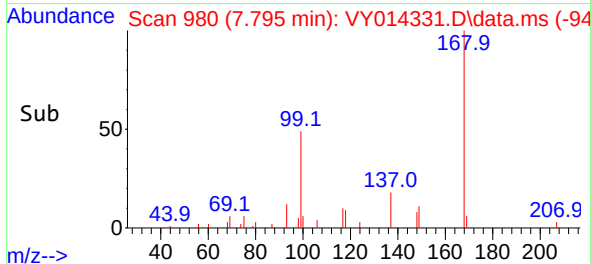
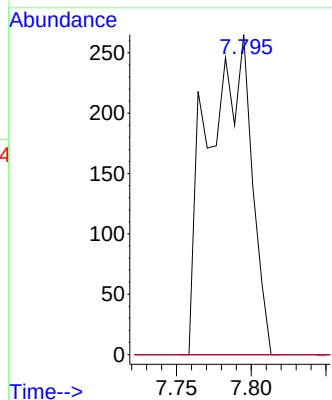
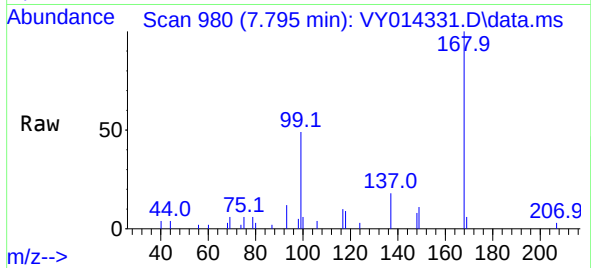




#38
Carbon Tetrachloride
Concen: 3.541 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

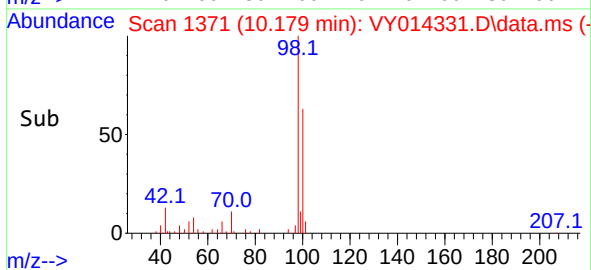
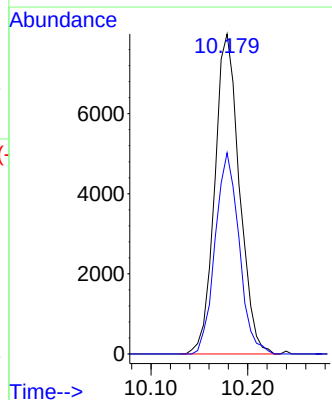
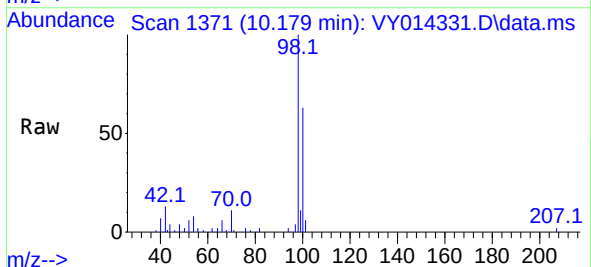
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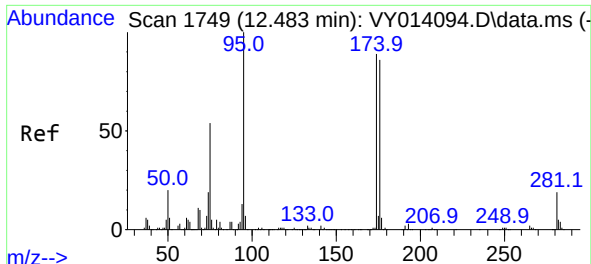
Tgt Ion:117 Resp: 534
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.078 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 98 Resp: 14128
Ion Ratio Lower Upper
98 100
100 61.0 50.1 75.1

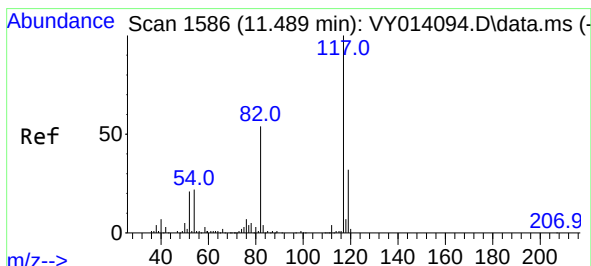
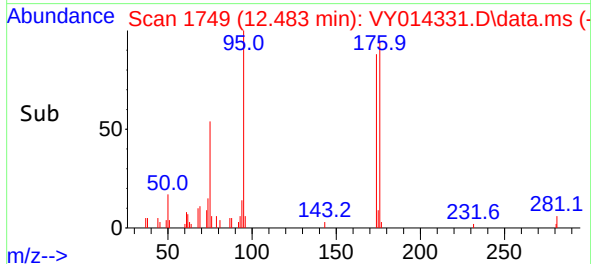
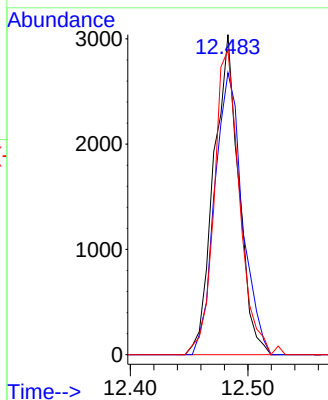
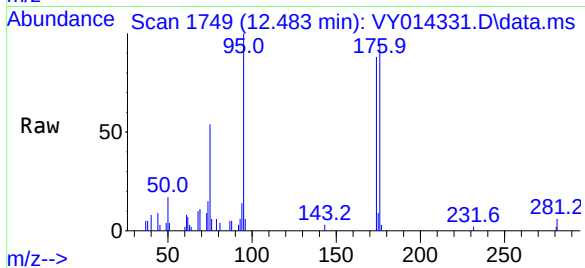




#62
4-Bromofluorobenzene
Concen: 40.464 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

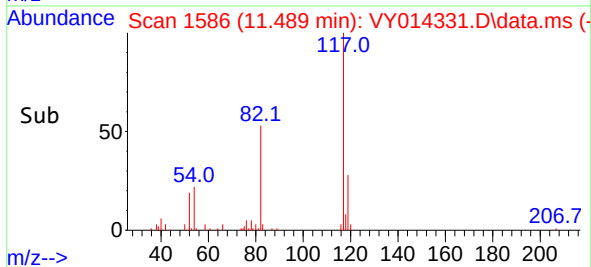
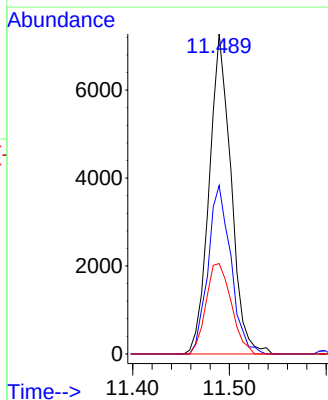
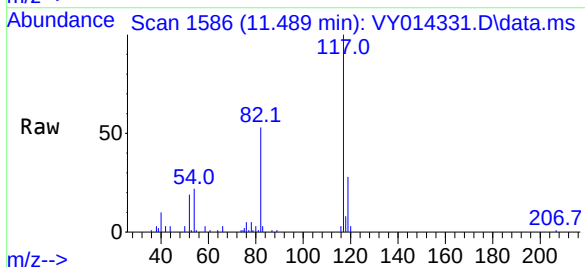
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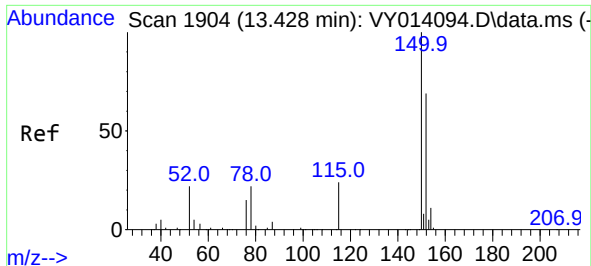
Tgt Ion:	95	Resp:	4505
Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	178.2
176	97.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion:	117	Resp:	11438
Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.4	65.0
119	28.2	26.3	39.5



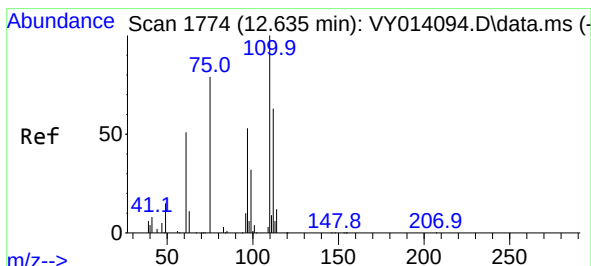
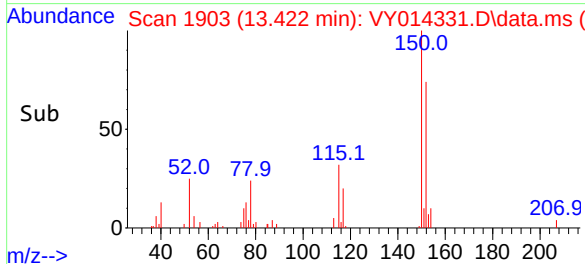
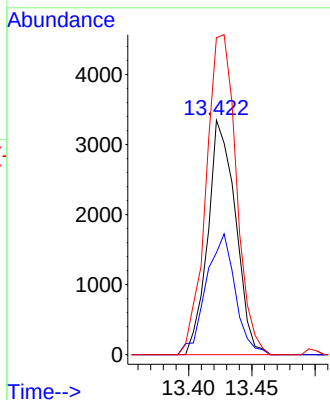
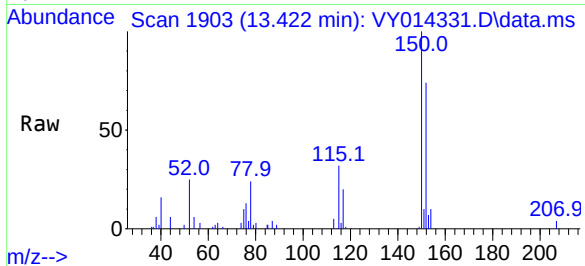


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014331.D
 Acq: 21 Jun 2023 13:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-7-061923

Tgt Ion:152 Resp: 5093

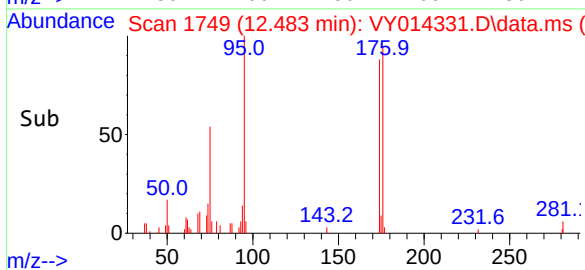
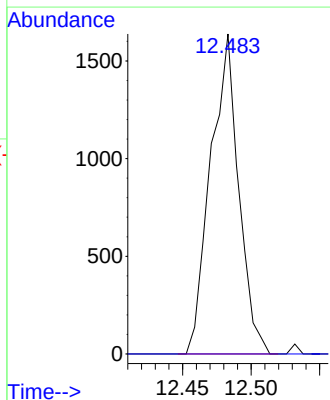
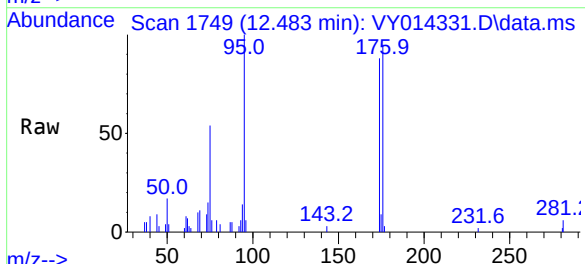
Ion	Ratio	Lower	Upper
152	100		
115	54.3	28.8	86.5
150	149.0	0.0	348.8

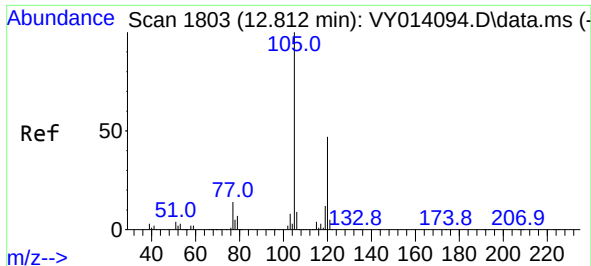


#76
 1,2,3-Trichloropropane
 Concen: 34.990 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014331.D
 Acq: 21 Jun 2023 13:24

Tgt Ion: 75 Resp: 2338

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

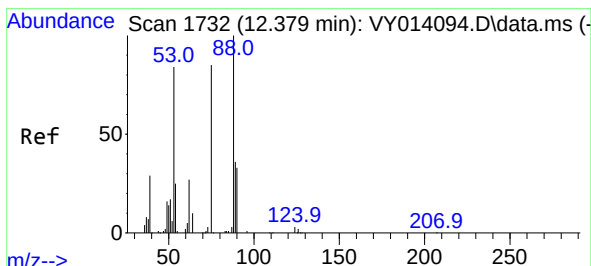
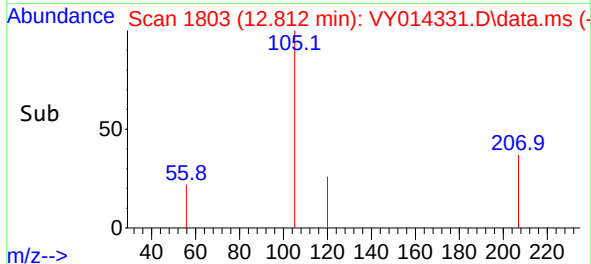
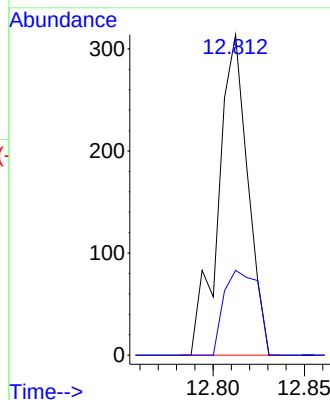
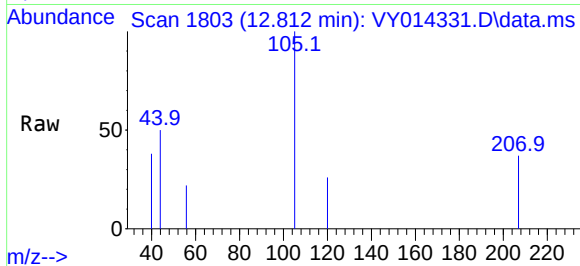




#80
1,3,5-Trimethylbenzene
Concen: 1.058 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

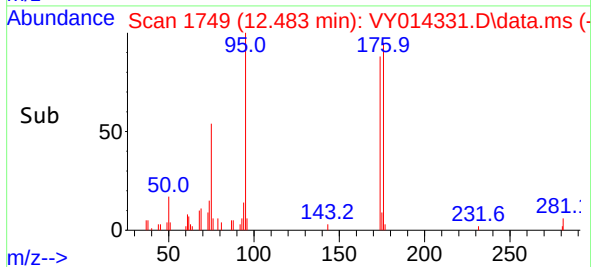
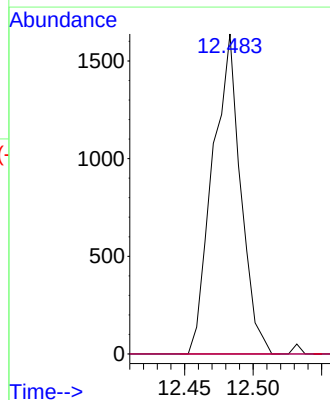
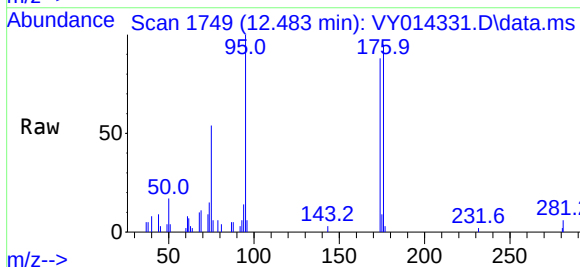
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

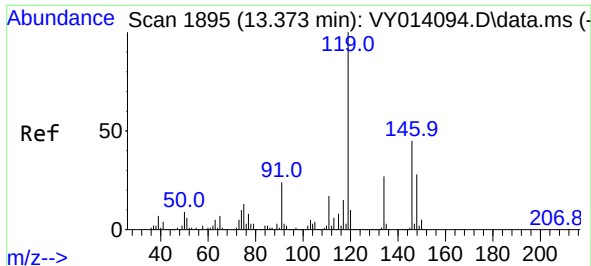
Tgt Ion:105 Resp: 352
Ion Ratio Lower Upper
105 100
120 30.7 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 75.635 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 75 Resp: 2338
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

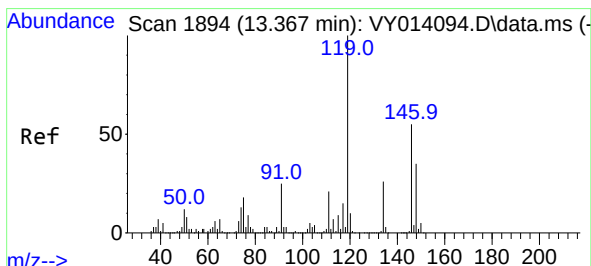
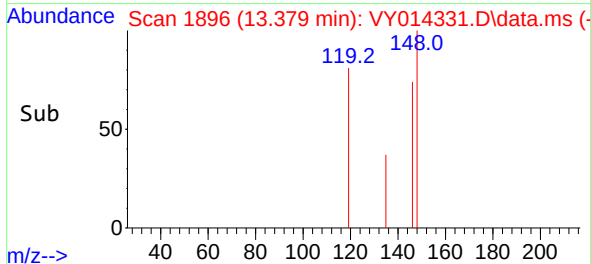
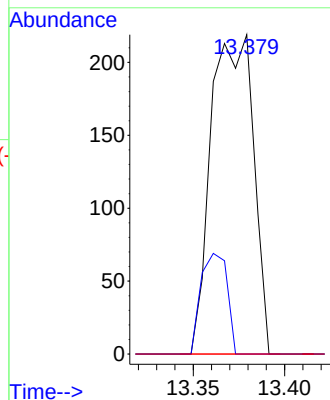
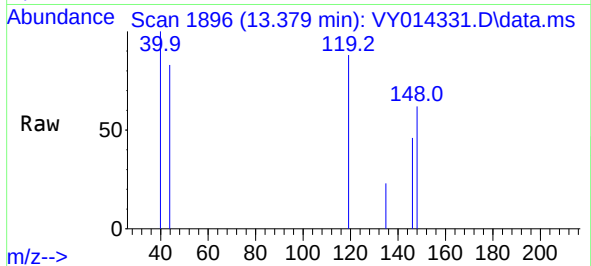




#86
p-Isopropyltoluene
Concen: 1.001 ug/l
RT: 13.379 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

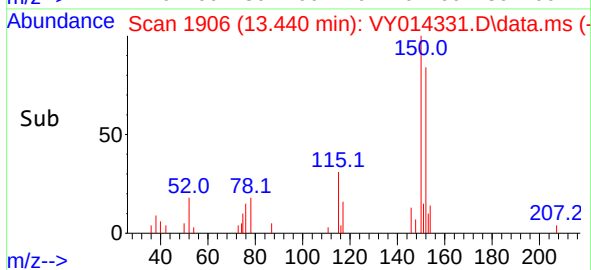
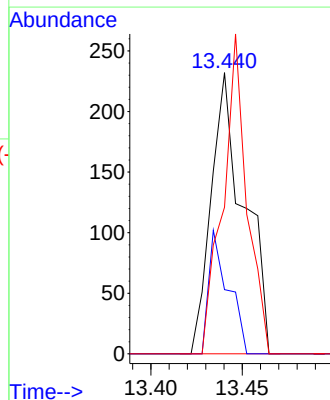
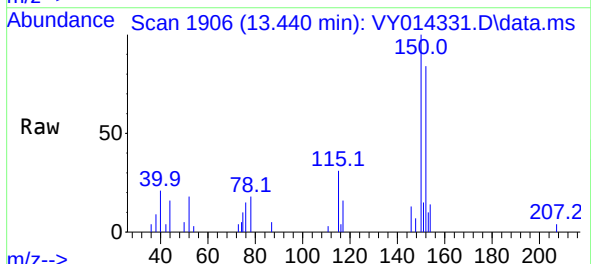
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

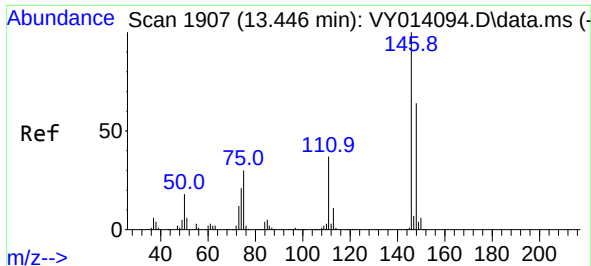
Tgt Ion:	119	Resp:	352
Ion	Ratio	Lower	Upper
119	100		
134	19.6	13.3	39.8
91	0.0	12.4	37.4#



#87
1,3-Dichlorobenzene
Concen: 1.487 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.073 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion:	146	Resp:	290
Ion	Ratio	Lower	Upper
146	100		
111	25.9	19.4	58.2
148	83.1	31.9	95.5

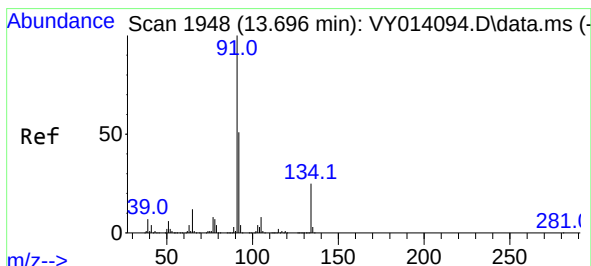
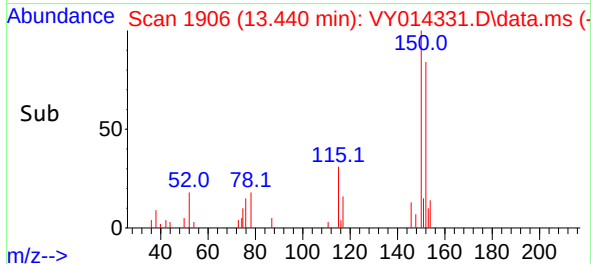
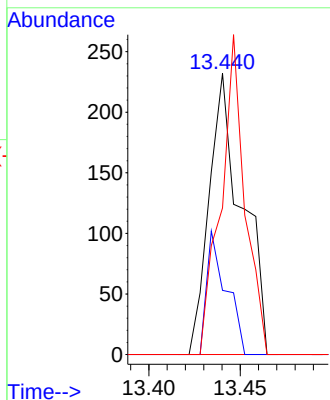
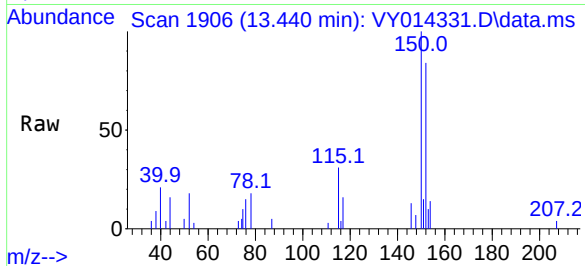




#88
1,4-Dichlorobenzene
Concen: 1.476 ug/l
RT: 13.440 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

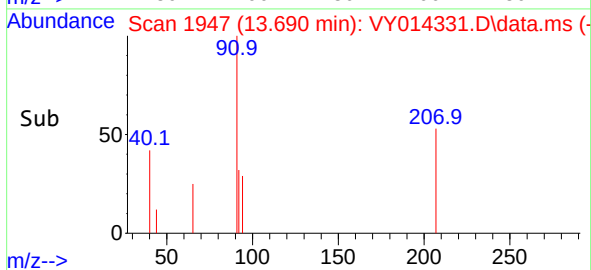
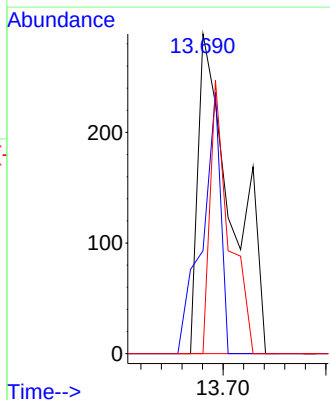
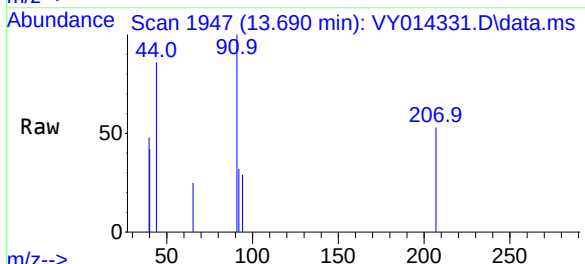
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

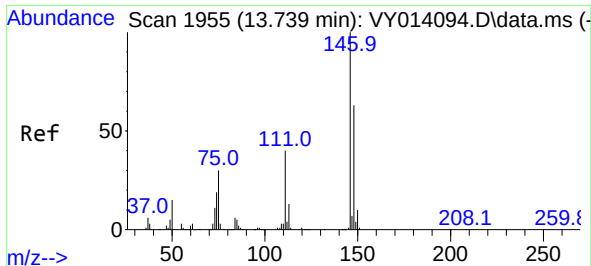
Tgt Ion:	146	Resp:	290
Ion	Ratio	Lower	Upper
146	100		
111	25.9	18.9	56.7
148	83.1	32.1	96.5



#89
n-Butylbenzene
Concen: 1.011 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion:	91	Resp:	330
Ion	Ratio	Lower	Upper
91	100		
92	44.8	25.4	76.0
134	47.6	12.6	37.6

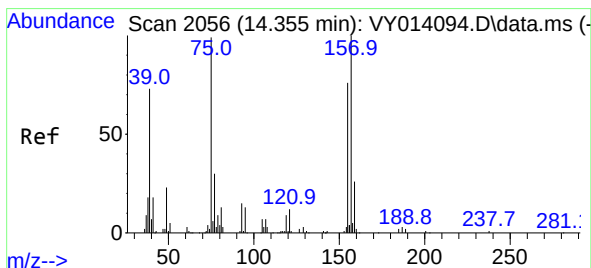
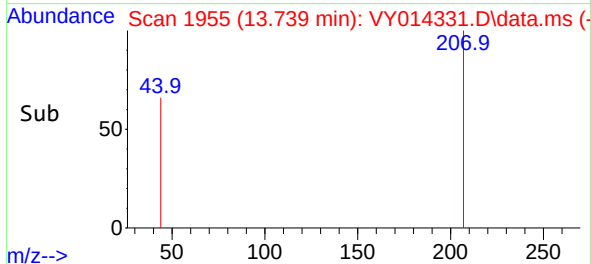
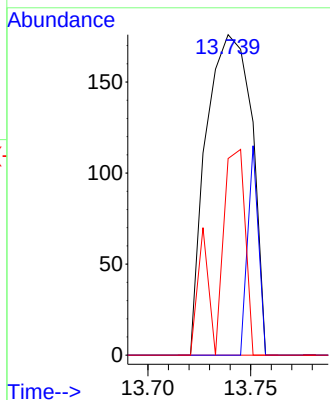
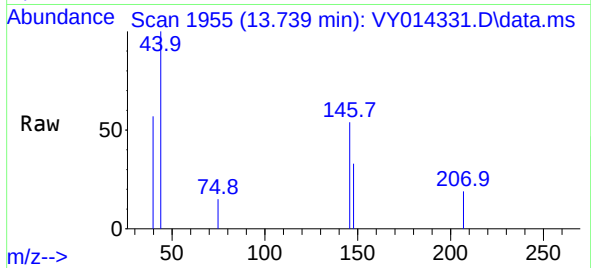




#91
1,2-Dichlorobenzene
Concen: 1.548 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

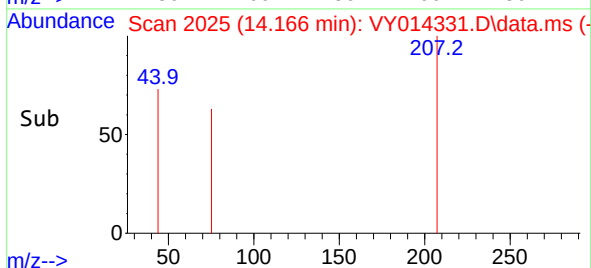
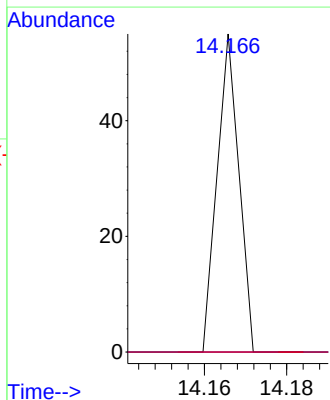
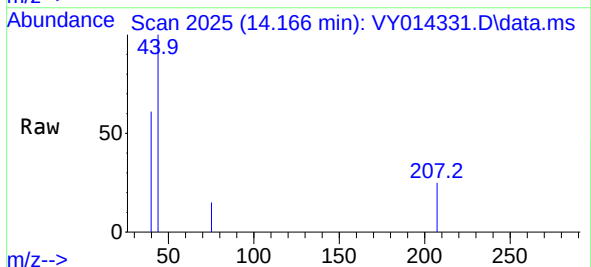
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

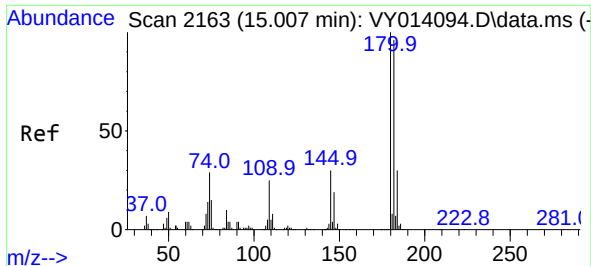
Tgt Ion:146 Resp: 271
Ion Ratio Lower Upper
146 100
111 15.5 19.7 59.0#
148 39.1 32.0 96.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.210 ug/l
RT: 14.166 min Scan# 2025
Delta R.T. -0.189 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#

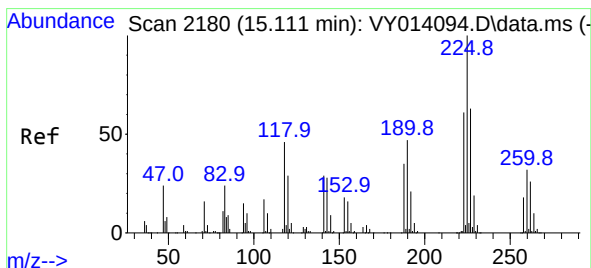
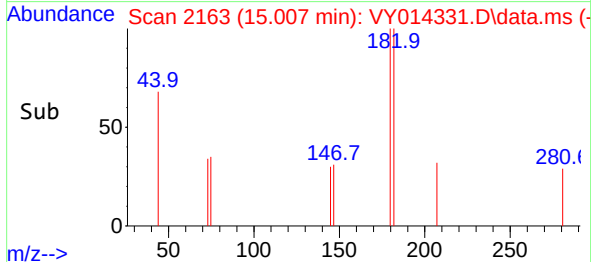
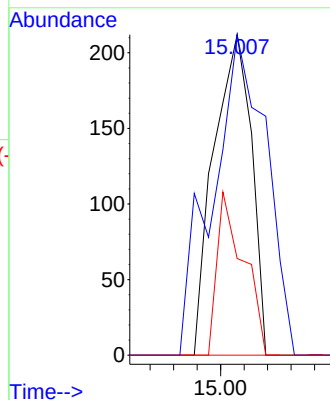
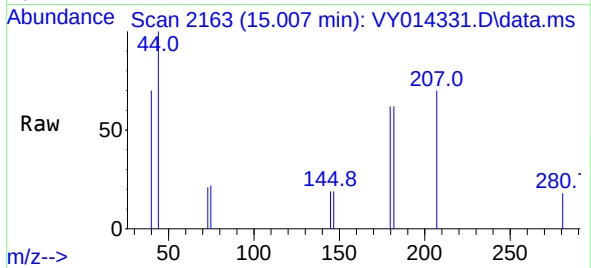




#93
1,2,4-Trichlorobenzene
Concen: 2.127 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

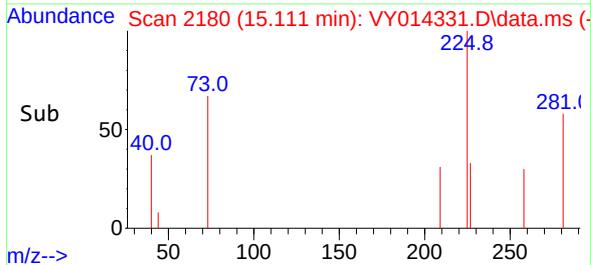
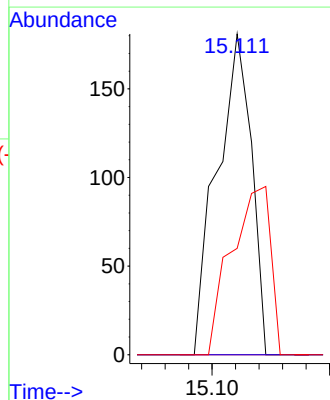
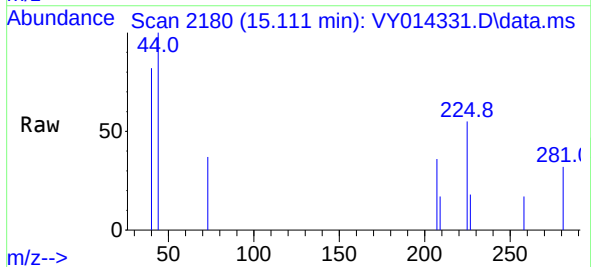
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

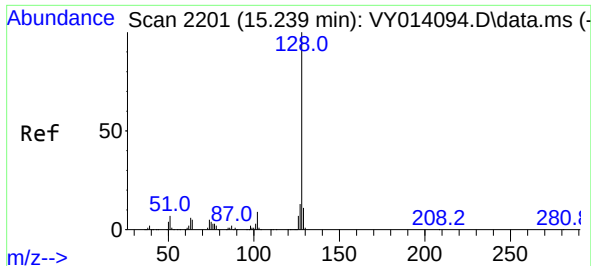
Tgt Ion:180 Resp: 236
Ion Ratio Lower Upper
180 100
182 141.9 47.0 141.2#
145 36.0 14.5 43.5



#94
Hexachlorobutadiene
Concen: 2.889 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion:225 Resp: 185
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.9#
227 59.5 33.0 98.9

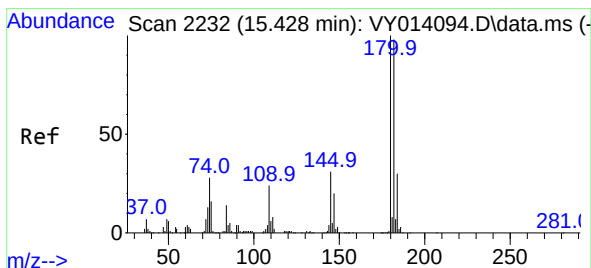
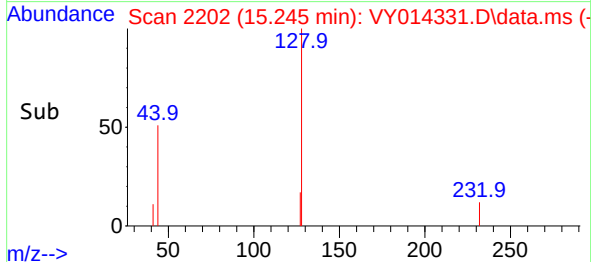
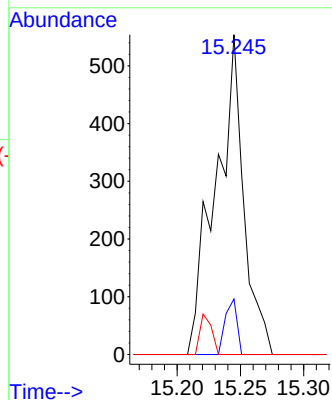
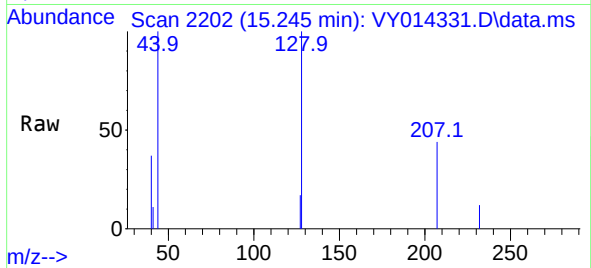




#95
Naphthalene
Concen: 3.802 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

Tgt Ion:128 Resp: 856
Ion Ratio Lower Upper
128 100
127 7.1 10.8 16.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.115 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion:180 Resp: 212
Ion Ratio Lower Upper
180 100
182 92.5 47.3 141.8
145 0.0 15.4 46.2#

