

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013326.D
 Acq On : 14 Apr 2023 18:05
 Operator : KP/MD
 Sample : 02349-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-041323

Quant Time: Apr 17 02:15:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

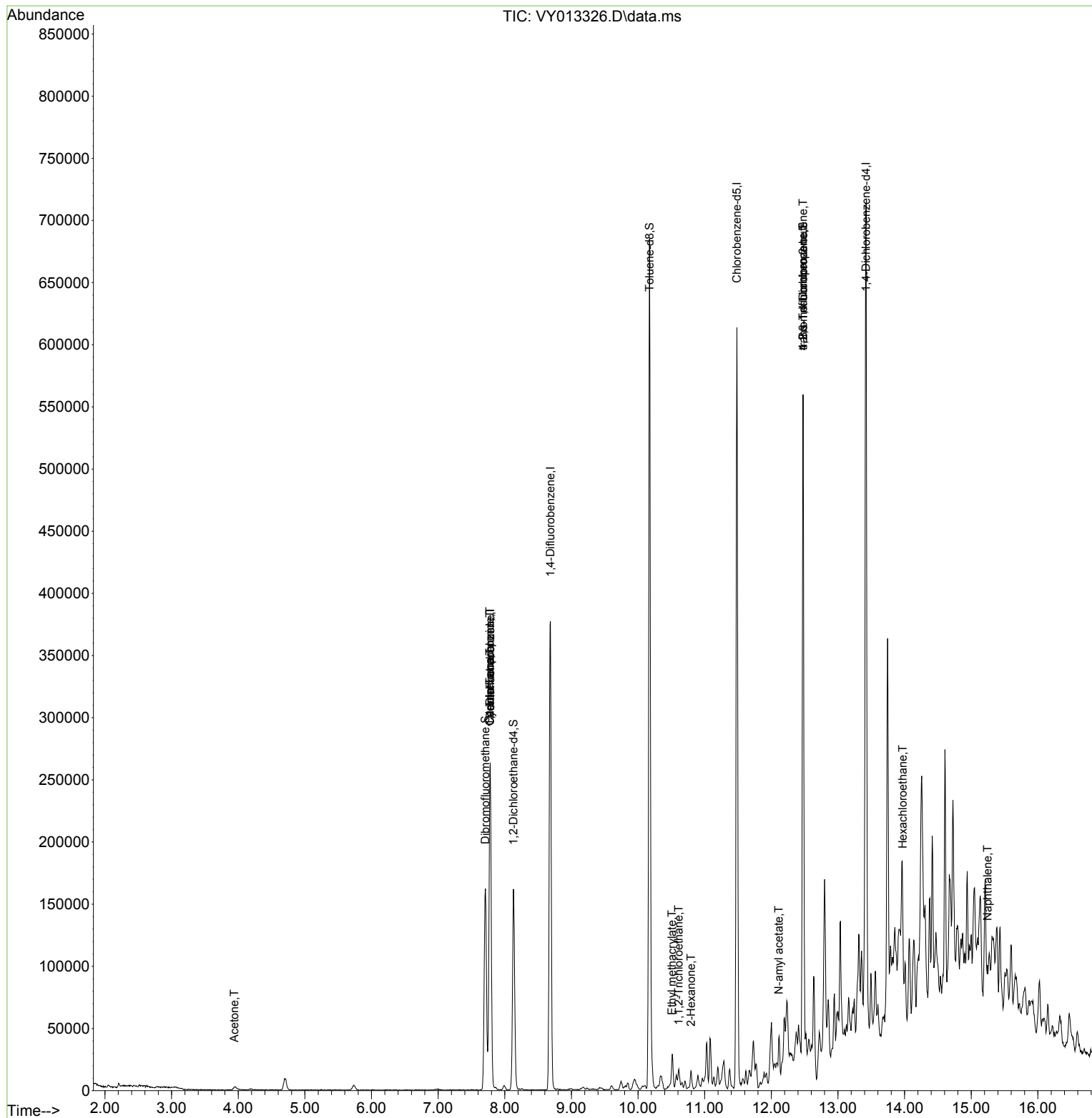
Internal Standards						
1) Pentafluorobenzene	7.783	168	215377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	334138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	134416	51.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.860%	
35) Dibromofluoromethane	7.710	113	117172	53.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.900%	
50) Toluene-d8	10.173	98	420429	52.002	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.477	95	152778	58.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	6236	7.007	ug/l	91
20) Methylene Chloride	4.710	84	7394	Below Cal	#	85
31) Cyclohexane	7.777	56	4431	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13831	4.203	ug/l #	51
38) Carbon Tetrachloride	7.777	117	20478	5.628	ug/l #	16
55) 1,1,2-Trichloroethane	10.612	97	5870	2.992	ug/l #	20
56) Ethyl methacrylate	10.508	69	2809	1.046	ug/l #	1
59) 2-Hexanone	10.795	43	4949	2.839	ug/l #	31
74) N-amyl acetate	12.111	43	7643	1.752	ug/l #	64
76) 1,2,3-Trichloropropane	12.477	75	80175	36.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80175	74.898	ug/l #	13
90) Hexachloroethane	13.971	117	2411	1.072	ug/l #	10
95) Naphthalene	15.245	128	1101	3.336	ug/l #	69

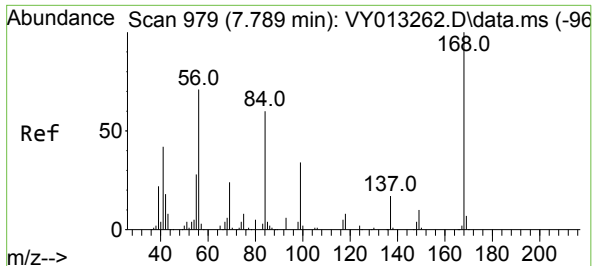
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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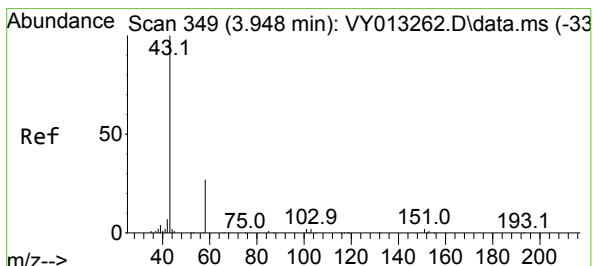
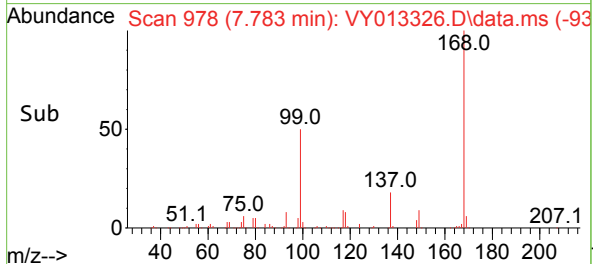
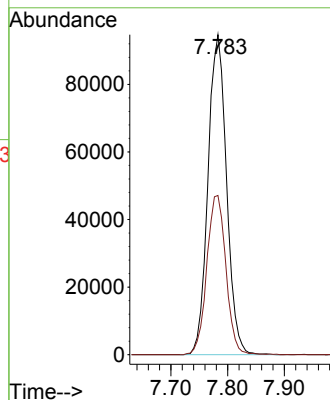
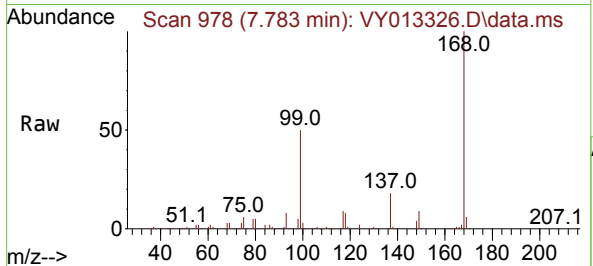




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

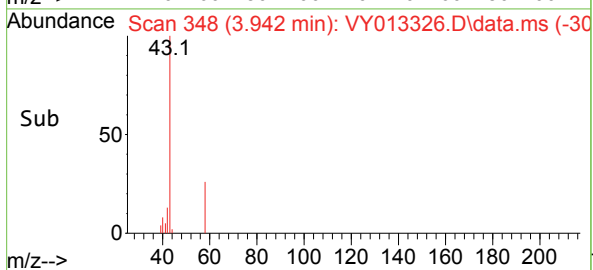
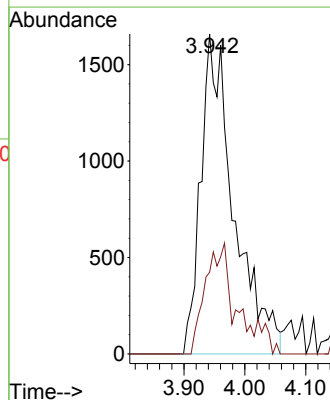
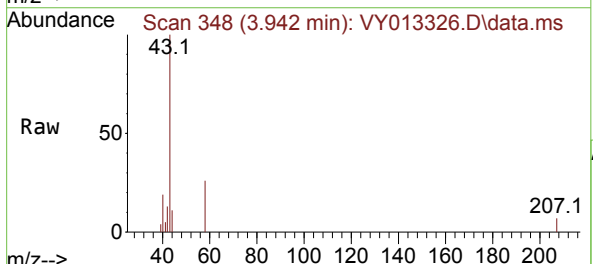
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

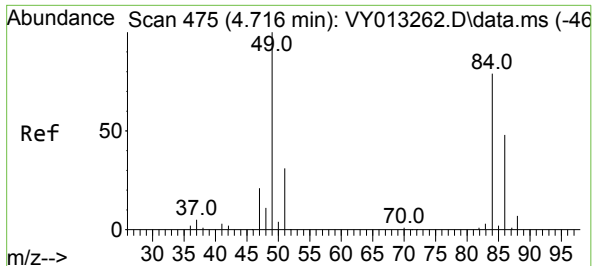
Tgt Ion:168 Resp: 215377
Ion Ratio Lower Upper
168 100
99 49.8 41.7 62.5



#16
Acetone
Concen: 7.007 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

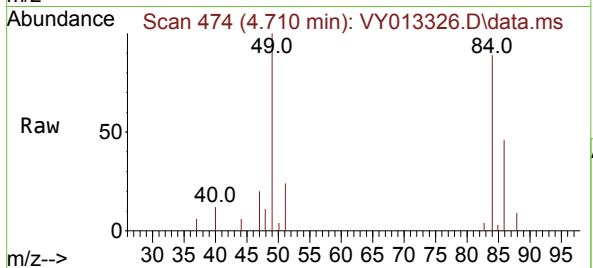
Tgt Ion: 43 Resp: 6236
Ion Ratio Lower Upper
43 100
58 25.6 24.2 36.2



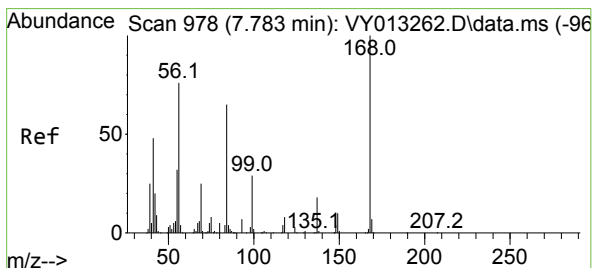
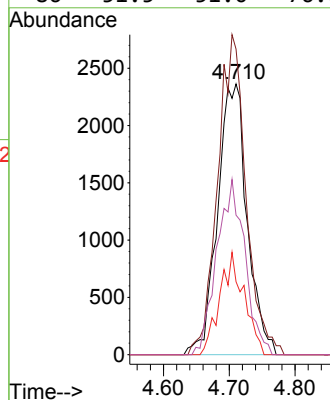
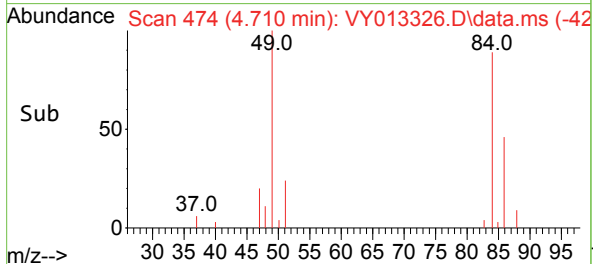


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

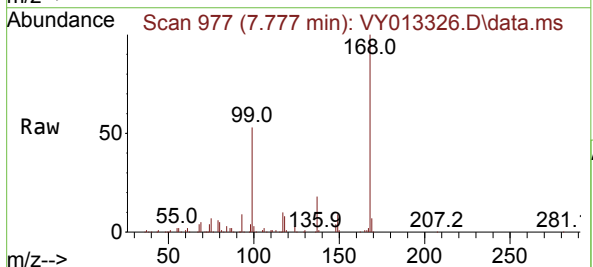
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323



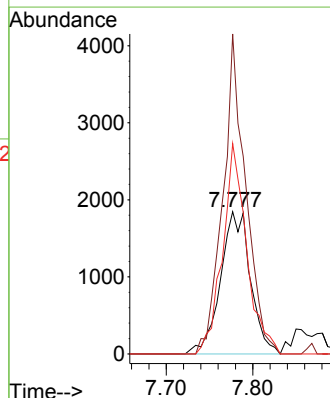
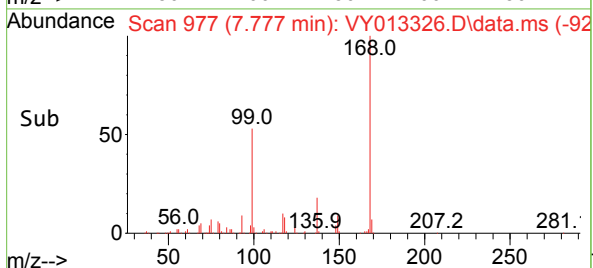
Tgt Ion: 84 Resp: 7394
Ion Ratio Lower Upper
84 100
49 112.9 102.6 154.0
51 27.0 31.9 47.9#
86 51.5 51.0 76.6

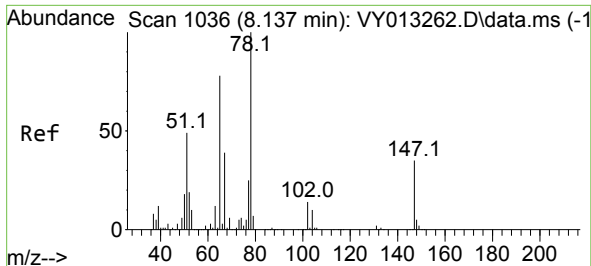


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05



Tgt Ion: 56 Resp: 4431
Ion Ratio Lower Upper
56 100
69 225.1 25.7 38.5#
84 148.0 64.3 96.5#

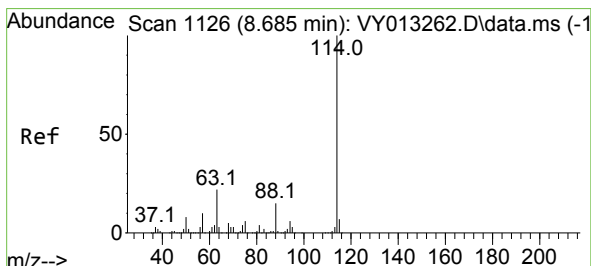
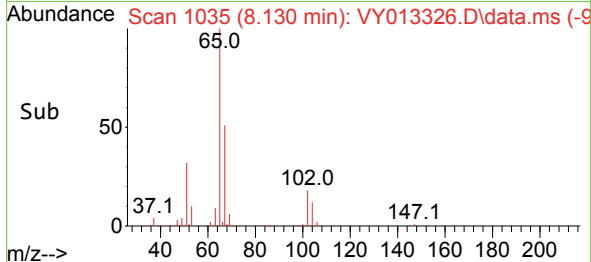
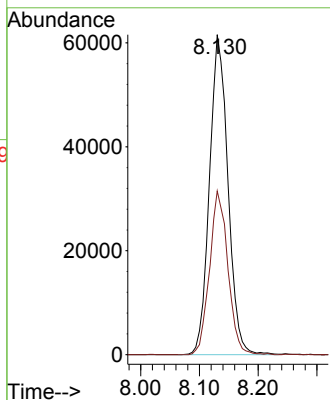
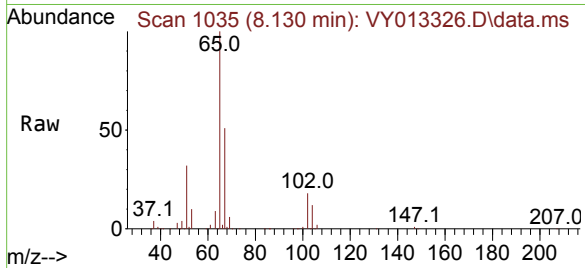




#33
1,2-Dichloroethane-d4
Concen: 51.931 ug/l
RT: 8.130 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

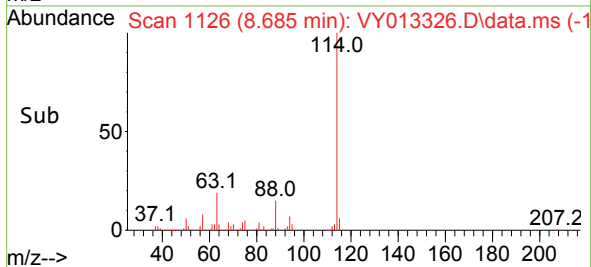
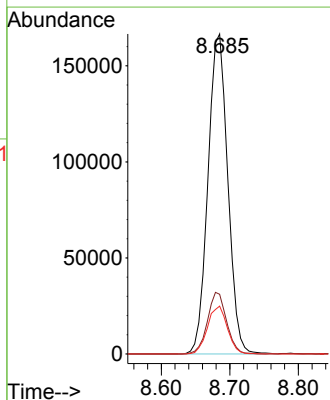
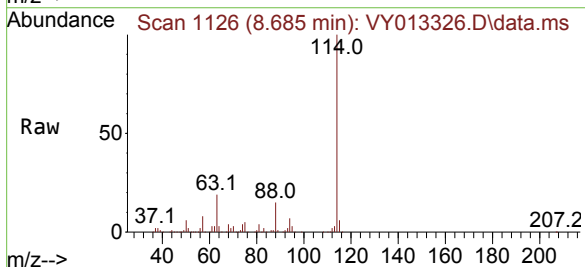
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

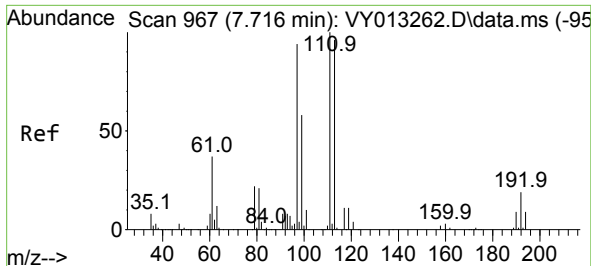
Tgt Ion: 65 Resp: 134416
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion:114 Resp: 335509
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 14.9 0.0 28.6

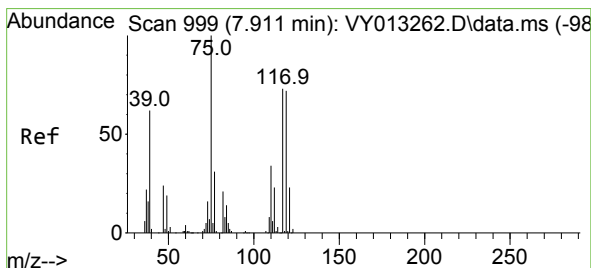
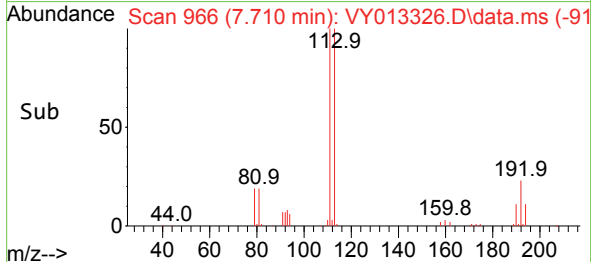
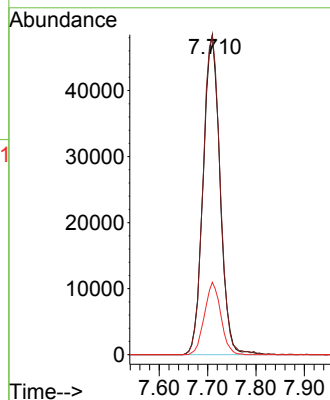
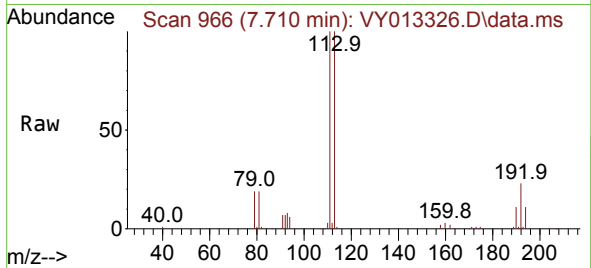




#35
Dibromofluoromethane
Concen: 53.945 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

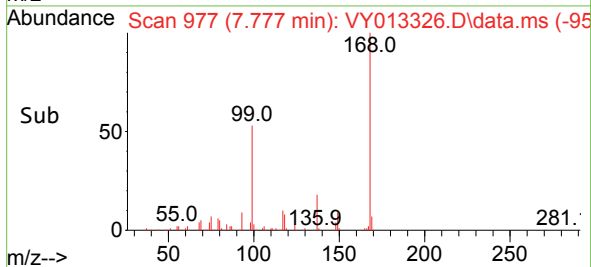
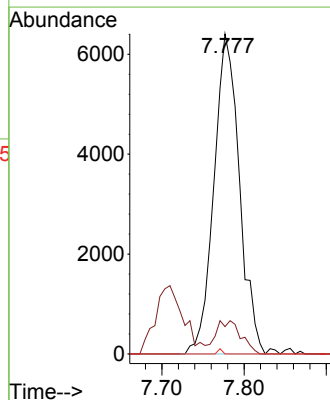
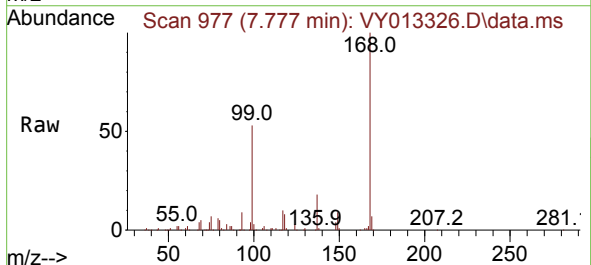
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

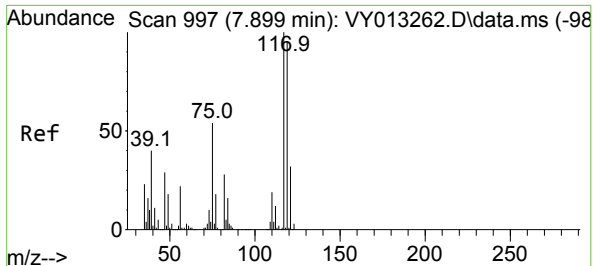
Tgt Ion:113 Resp: 117172
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 22.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.203 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion: 75 Resp: 13831
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.3#
77 0.3 25.0 37.4#

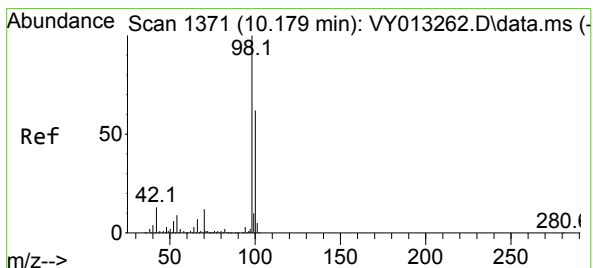
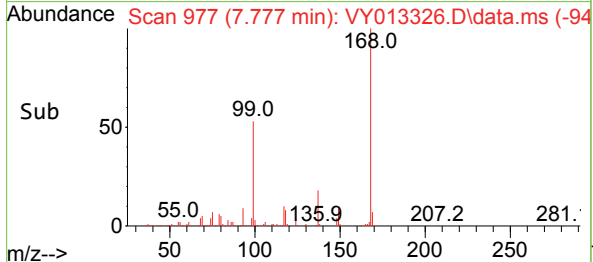
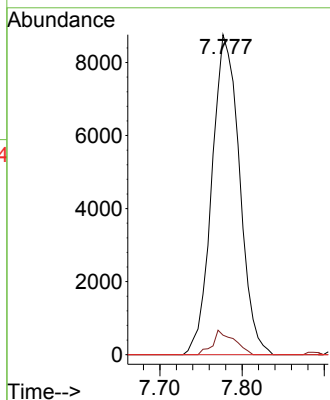
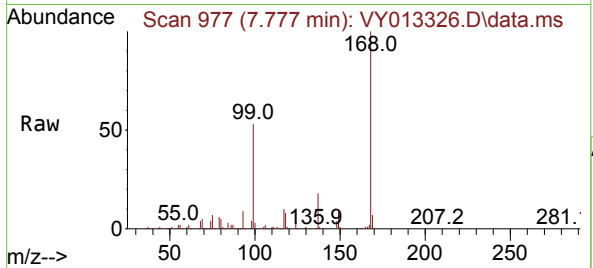




#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

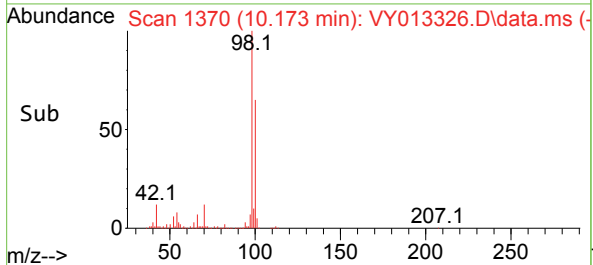
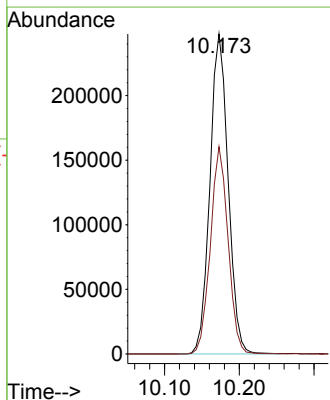
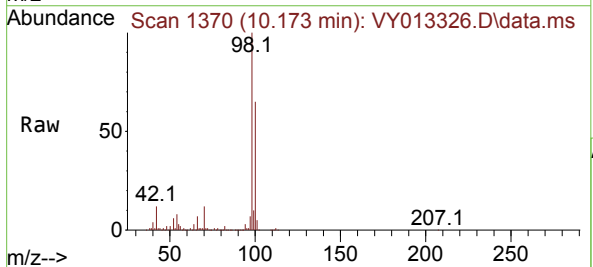
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

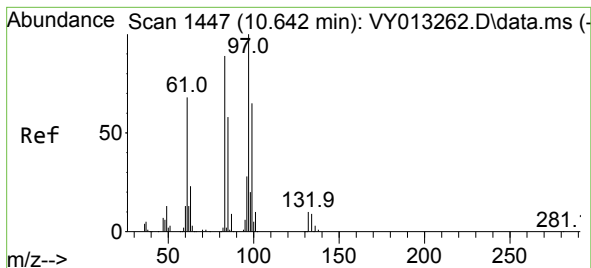
Tgt Ion:117 Resp: 20478
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.002 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion: 98 Resp: 420429
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3





#55

1,1,2-Trichloroethane

Concen: 2.992 ug/l

RT: 10.612 min Scan# 1442

Delta R.T. -0.031 min

Lab File: VY013326.D

Acq: 14 Apr 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-041323

Tgt Ion: 97 Resp: 5870

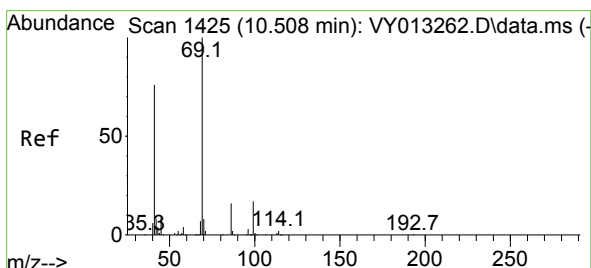
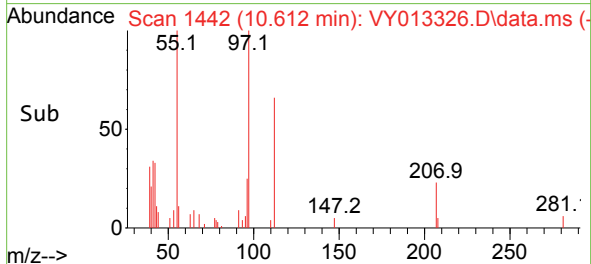
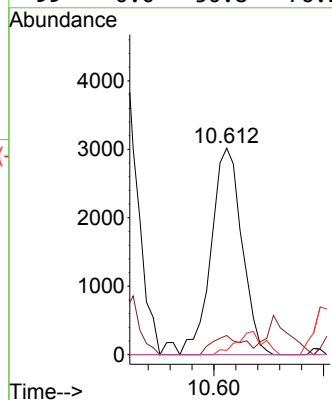
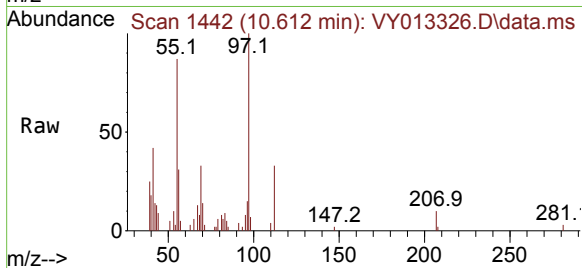
Ion Ratio Lower Upper

97 100

83 9.3 69.0 103.6#

85 2.1 44.9 67.3#

99 0.0 50.8 76.2#



#56

Ethyl methacrylate

Concen: 1.046 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY013326.D

Acq: 14 Apr 2023 18:05

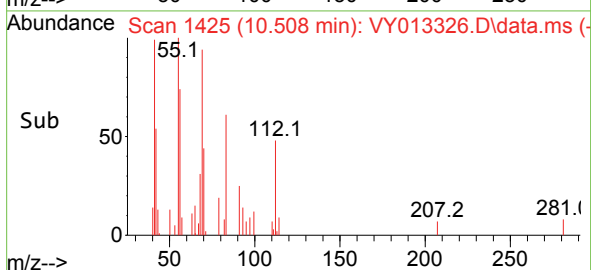
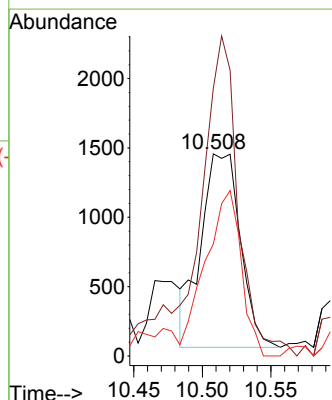
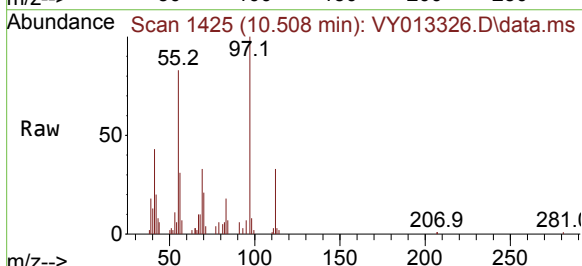
Tgt Ion: 69 Resp: 2809

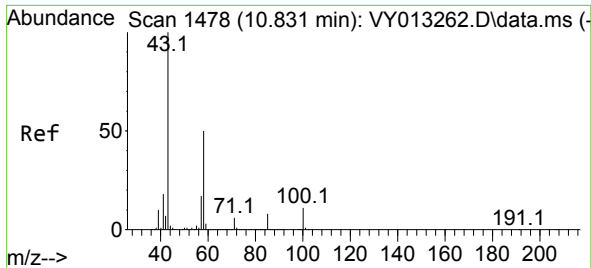
Ion Ratio Lower Upper

69 100

41 179.1 56.4 84.6#

39 76.6 30.8 46.2#

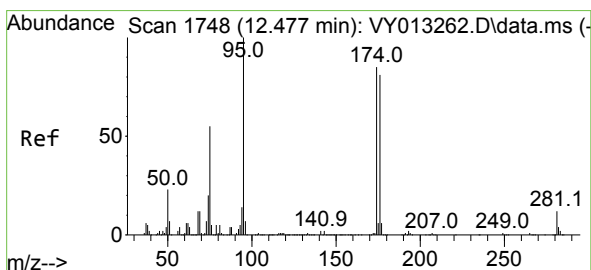
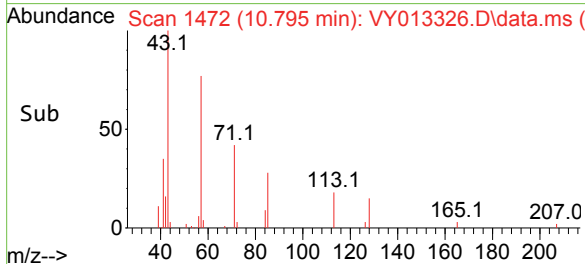
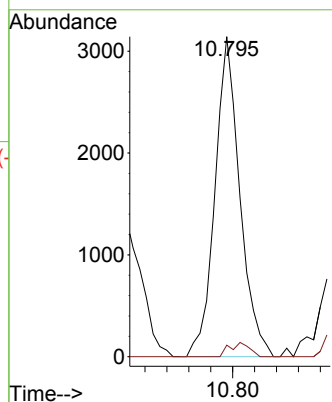
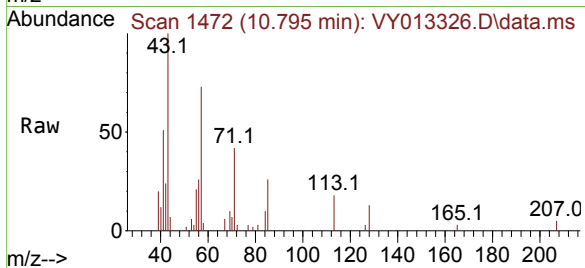




#59
2-Hexanone
Concen: 2.839 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

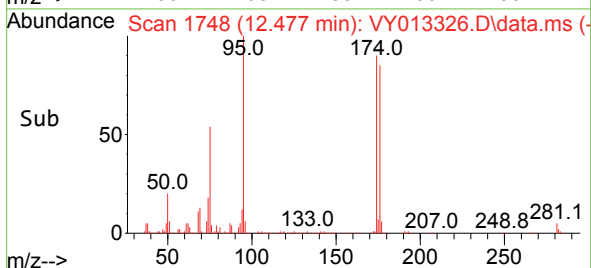
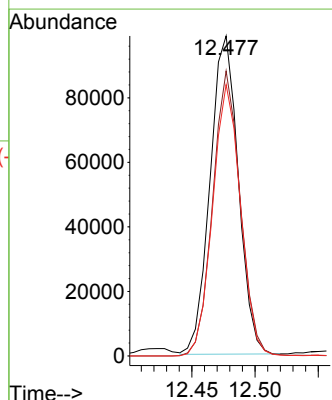
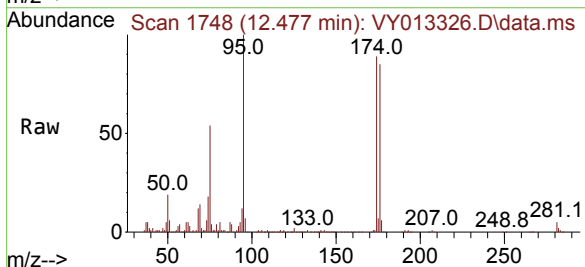
Instrument : MSVOA_Y
ClientSampleId : NB-07-041323

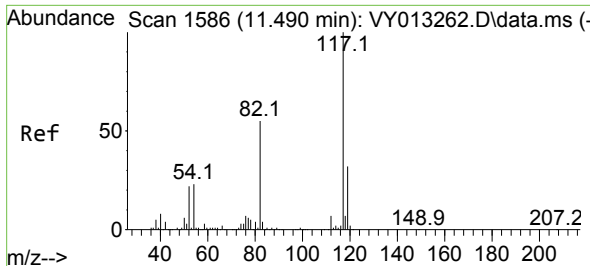
Tgt Ion: 43 Resp: 4949
Ion Ratio Lower Upper
43 100
58 3.6 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 58.160 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion: 95 Resp: 152778
Ion Ratio Lower Upper
95 100
174 87.8 0.0 176.6
176 84.4 0.0 170.2

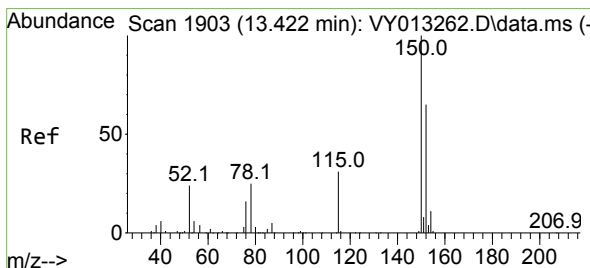
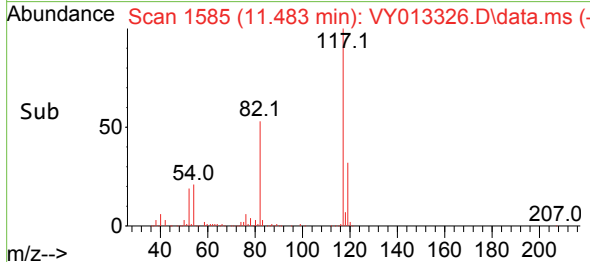
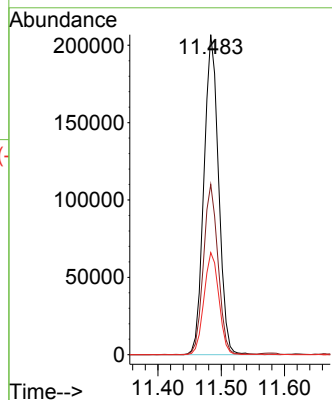
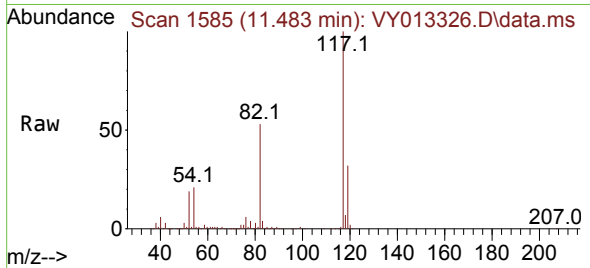




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

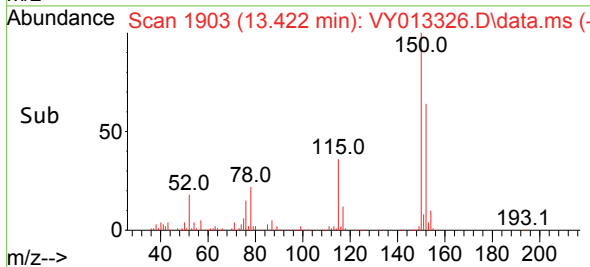
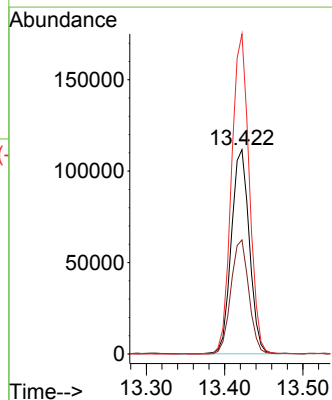
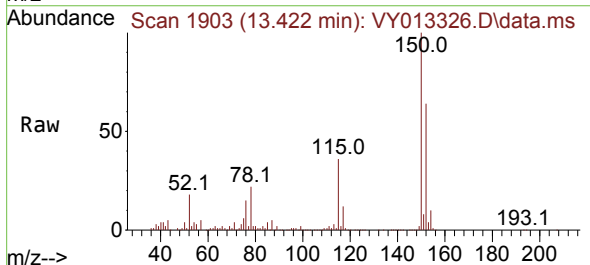
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

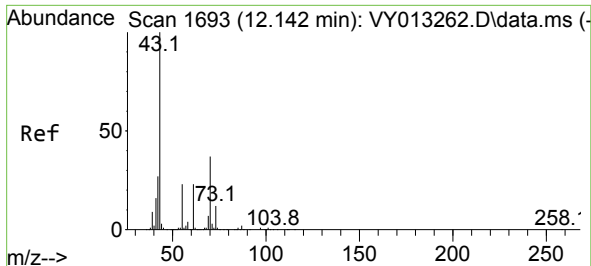
Tgt Ion:117 Resp: 334138
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion:152 Resp: 178298
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 154.0 0.0 347.8

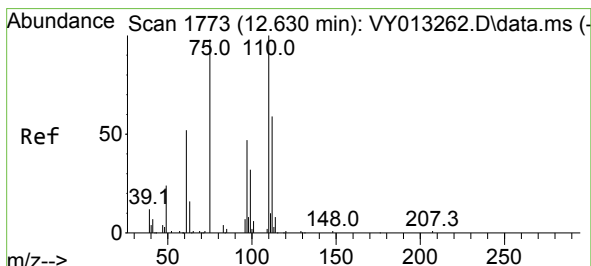
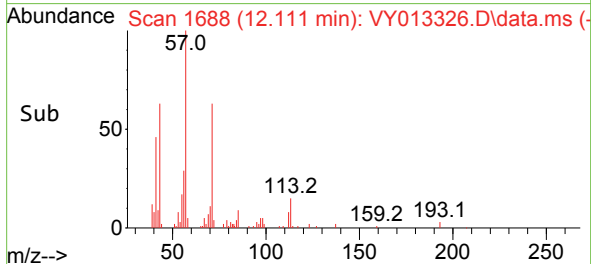
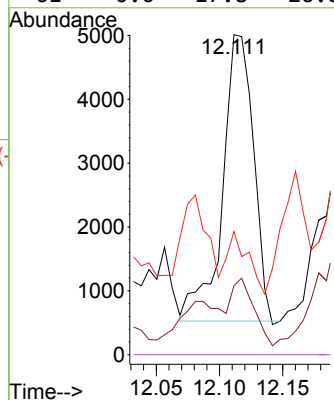
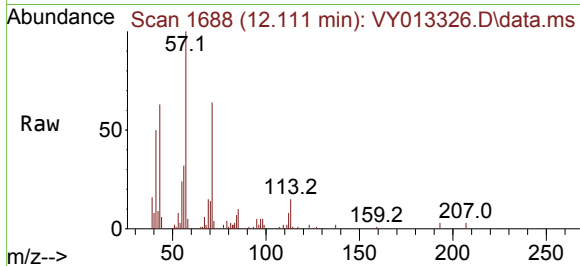




#74
N-amy1 acetate
Concen: 1.752 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

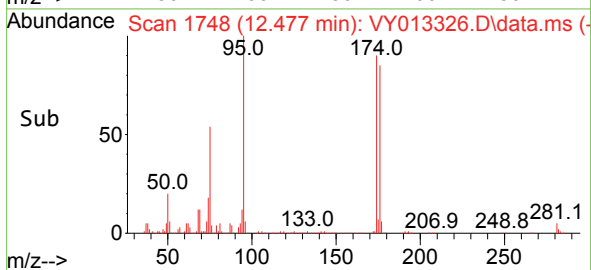
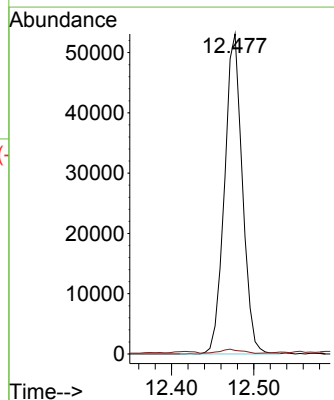
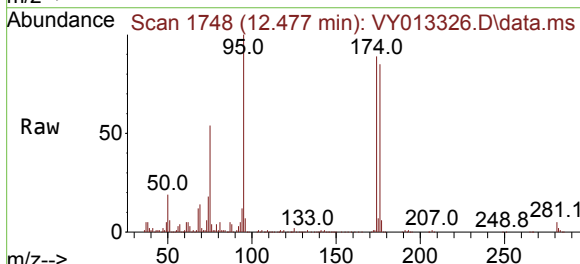
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

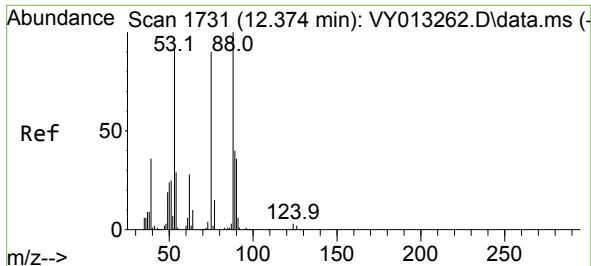
Tgt Ion: 43	Resp: 7643
Ion Ratio	Lower Upper
43 100	
70 16.5	31.6 47.4#
55 11.9	18.8 28.2#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 36.087 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Tgt Ion: 75	Resp: 80175
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

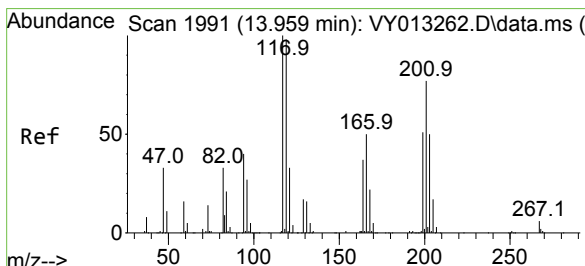
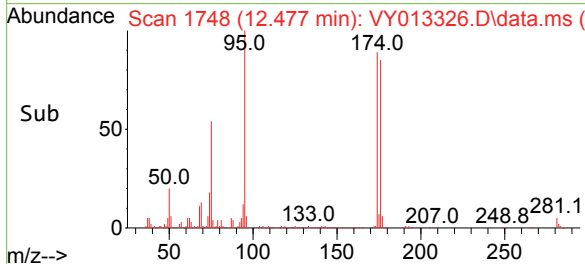
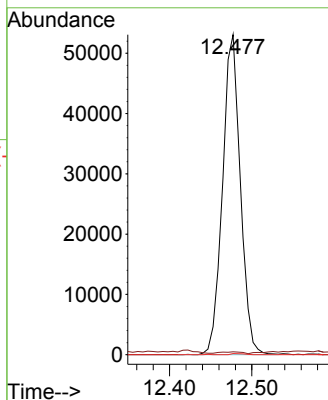
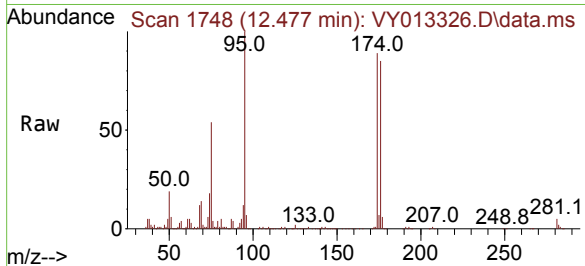




#81
trans-1,4-Dichloro-2-butene
Concen: 74.898 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

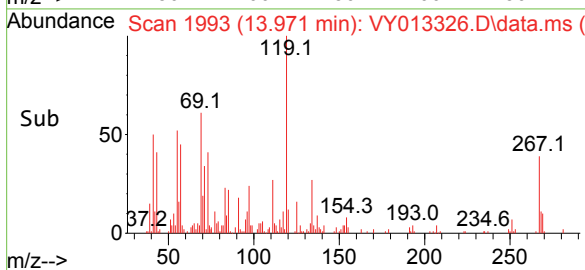
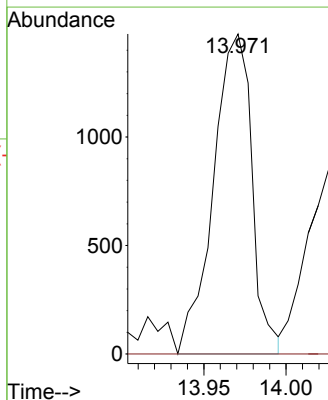
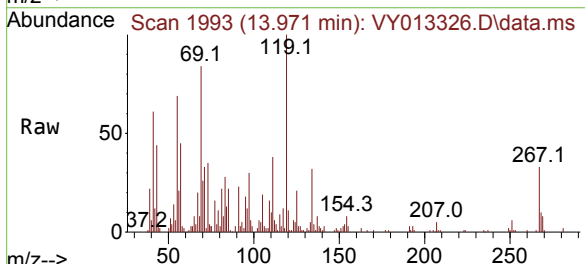
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323

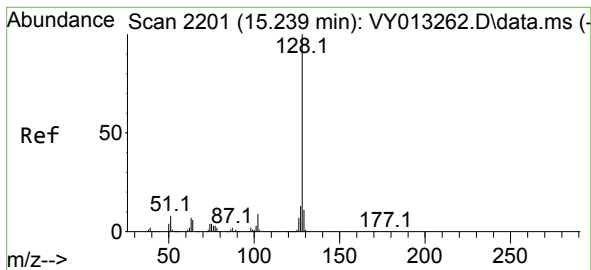
Tgt Ion: 75 Resp: 80175
Ion Ratio Lower Upper
75 100
53 0.7 73.4 110.0#
89 0.2 36.6 55.0#



#90
Hexachloroethane
Concen: 1.072 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

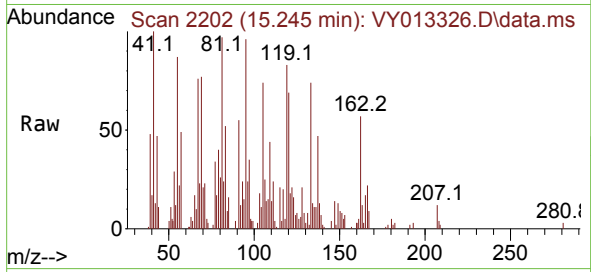
Tgt Ion: 117 Resp: 2411
Ion Ratio Lower Upper
117 100
201 0.0 39.4 118.1#





#95
Naphthalene
Concen: 3.336 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013326.D
Acq: 14 Apr 2023 18:05

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-041323



Tgt Ion:	128	Resp:	1101
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

