

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011792.D
 Acq On : 13 Dec 2022 14:40
 Operator : KP/MD
 Sample : N6025-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-121222

Quant Time: Dec 13 22:18:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

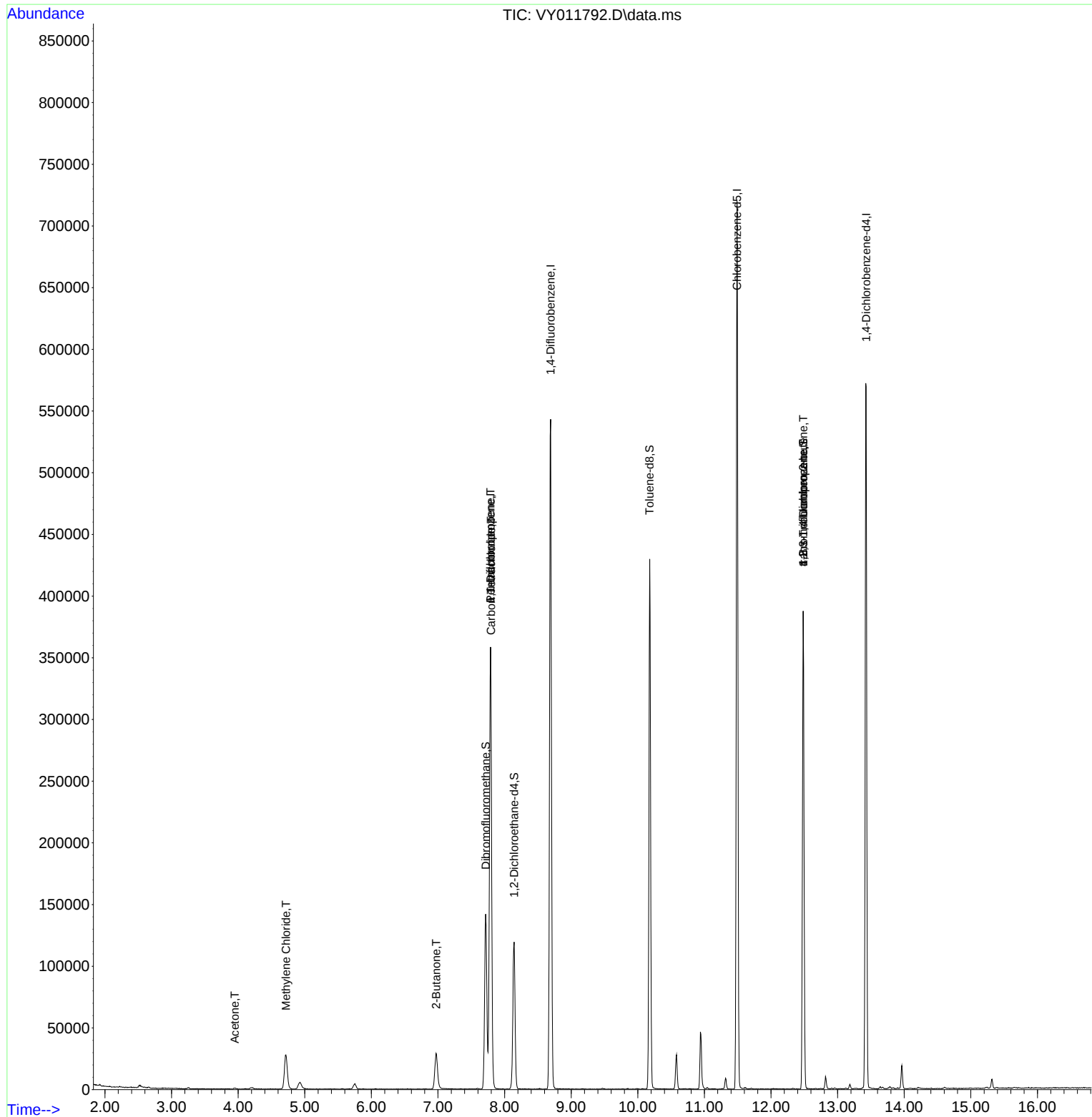
Internal Standards						
1) Pentafluorobenzene	7.789	168	279484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	463809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	392946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94301	49.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.780%		
35) Dibromofluoromethane	7.716	113	98551	47.641	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.280%		
50) Toluene-d8	10.179	98	282906	40.630	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.260%		
62) 4-Bromofluorobenzene	12.483	95	101314	36.438	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	27	Below Cal	#	41
3) Chloromethane	2.119	50	176	Below Cal	#	41
4) Vinyl Chloride	2.369	62	38	Below Cal	#	43
5) Bromomethane	2.662	94	108	Below Cal		91
11) Tert butyl alcohol	4.930	59	5768	Below Cal	#	75
16) Acetone	3.948	43	1130	1.481	ug/l #	87
18) Methyl Acetate	4.479	43	76	Below Cal	#	50
20) Methylene Chloride	4.716	84	21396	2.268	ug/l	97
25) 2-Butanone	6.972	43	1605	1.635	ug/l #	78
31) Cyclohexane	7.789	56	5646	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	20647	5.866	ug/l #	50
38) Carbon Tetrachloride	7.795	117	27904	6.749	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	53680	34.284	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53680	77.798	ug/l #	13

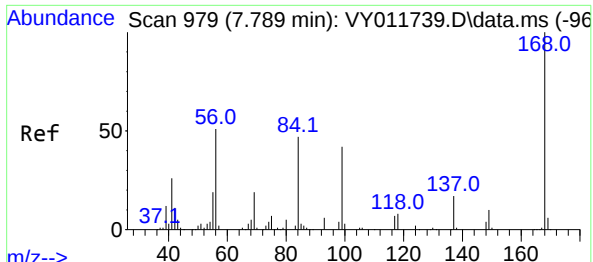
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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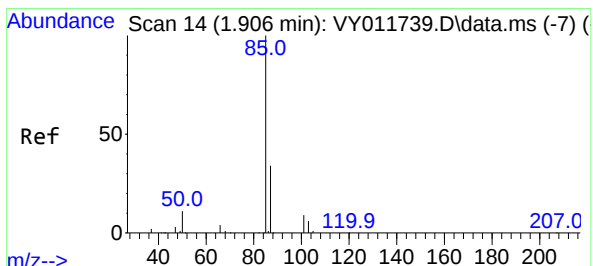
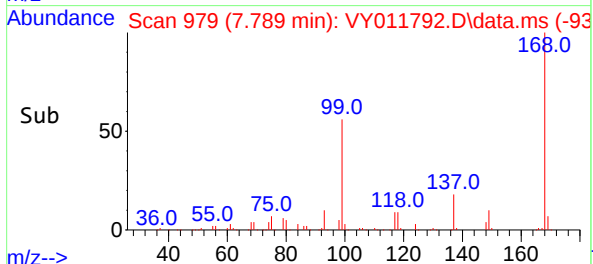
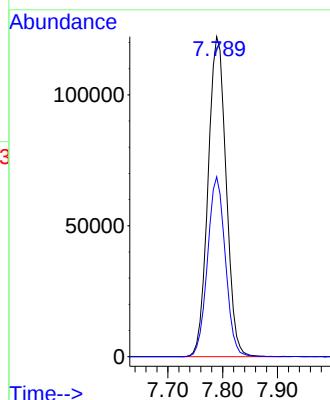
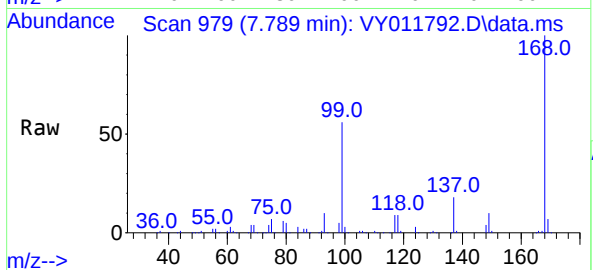




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

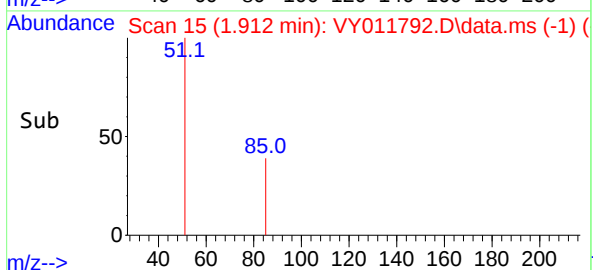
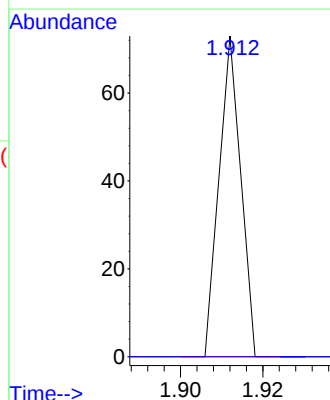
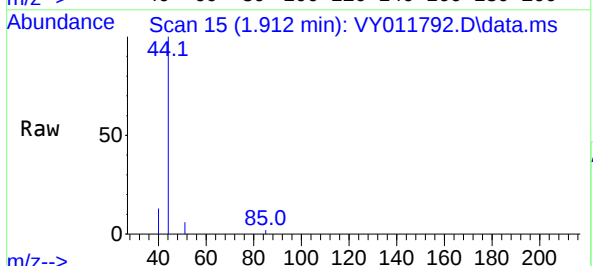
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-121222

Tgt Ion:168 Resp: 279484
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0

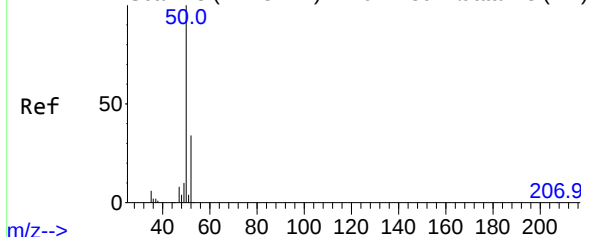


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

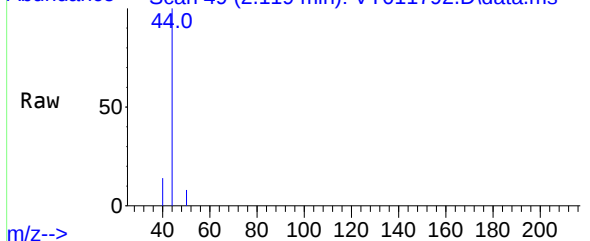
Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



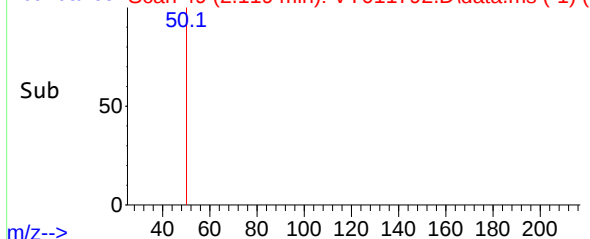
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011792.D\data.ms



Abundance Scan 49 (2.119 min): VY011792.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-121222

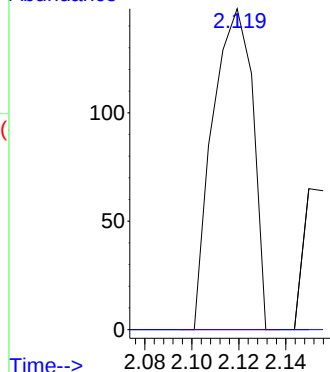
Tgt Ion: 50 Resp: 176

Ion Ratio Lower Upper

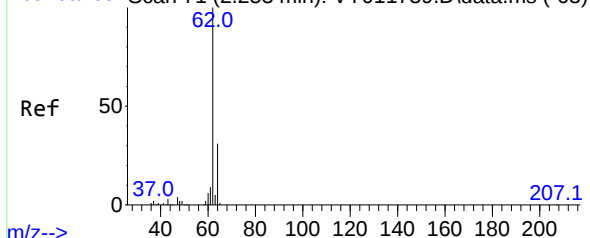
50 100

52 0.0 26.8 40.2#

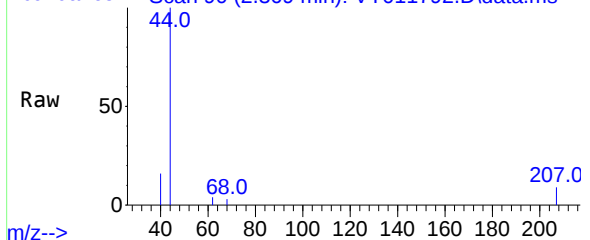
Abundance



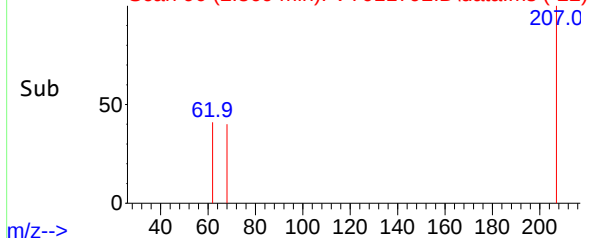
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 90 (2.369 min): VY011792.D\data.ms



Abundance Scan 90 (2.369 min): VY011792.D\data.ms (-22)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.369 min Scan# 90

Delta R.T. 0.116 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

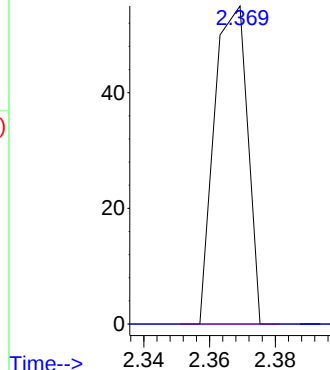
Tgt Ion: 62 Resp: 38

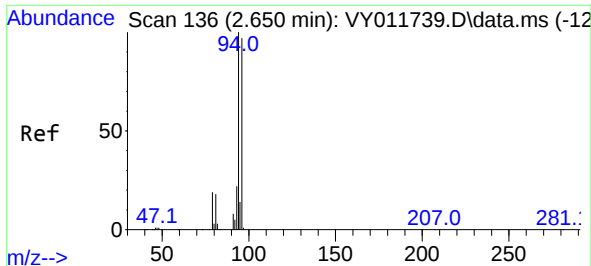
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

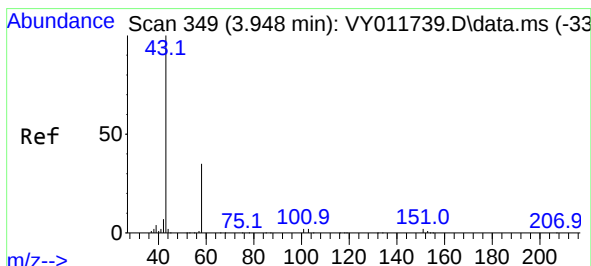
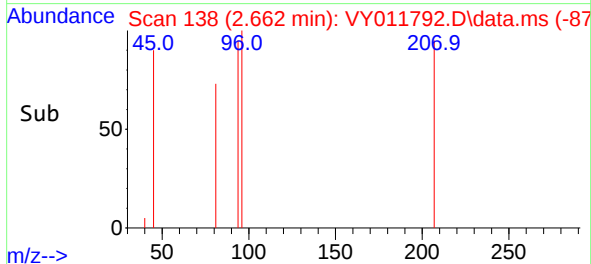
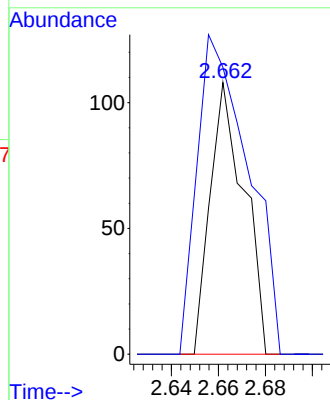
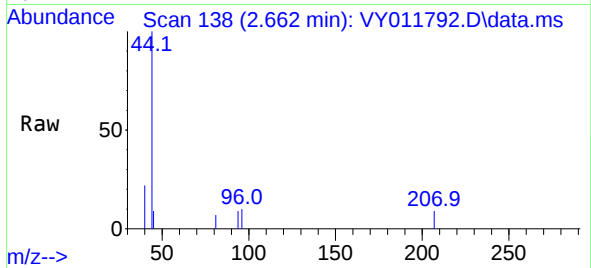




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

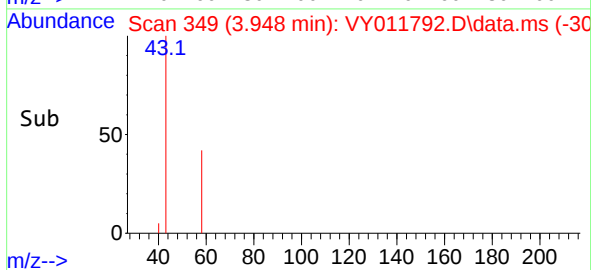
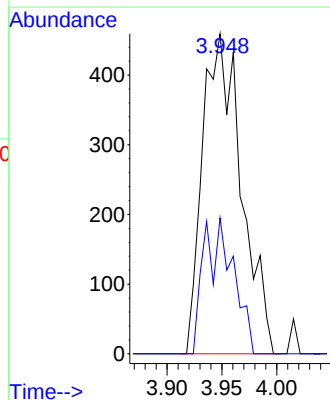
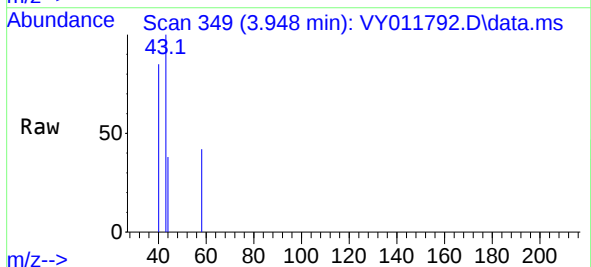
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-121222

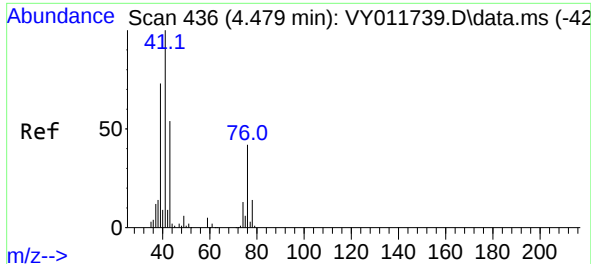
Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 105.6 77.4 116.2



#16
Acetone
Concen: 1.481 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
58 42.5 27.9 41.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

Instrument :

MSVOA_Y

ClientSampleId :

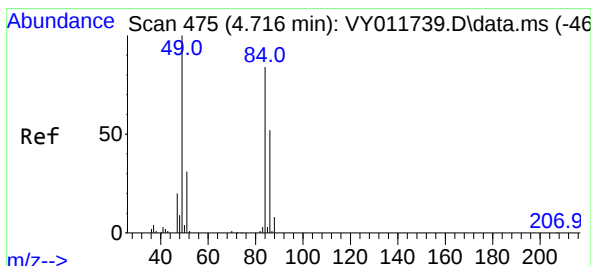
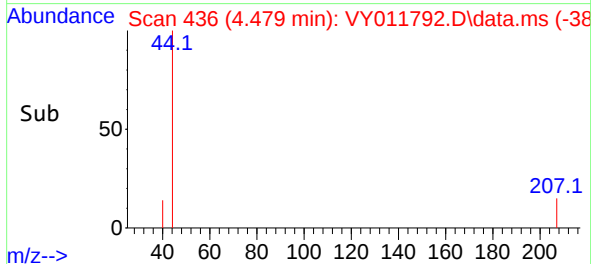
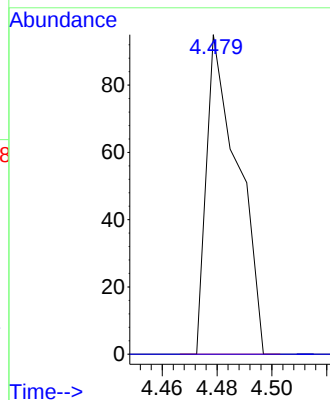
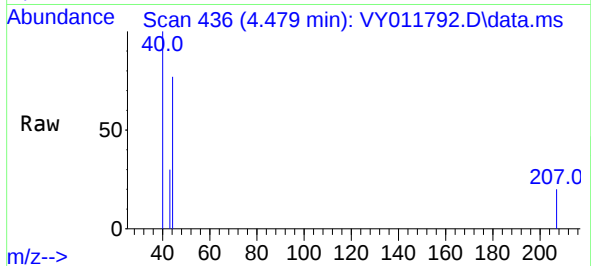
NB-07-121222

Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#20

Methylene Chloride

Concen: 2.268 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

Tgt Ion: 84 Resp: 21396

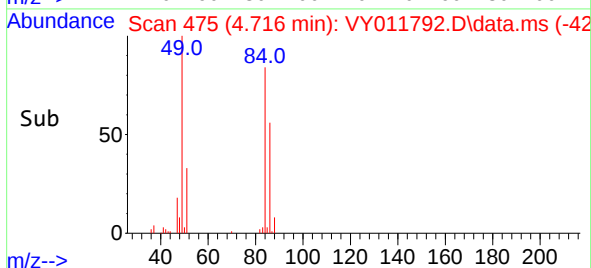
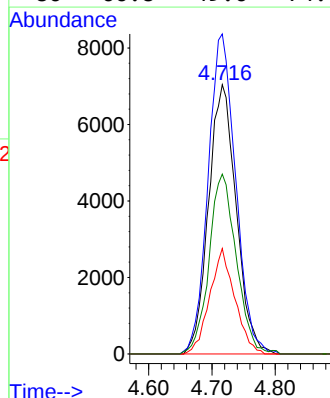
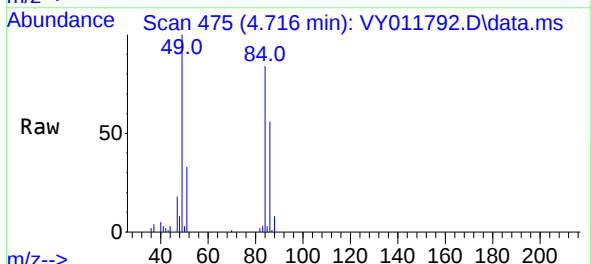
Ion Ratio Lower Upper

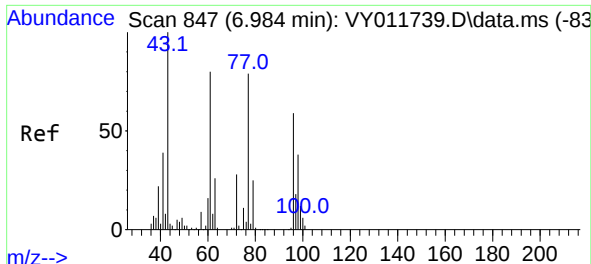
84 100

49 118.8 95.4 143.2

51 39.2 29.9 44.9

86 66.8 49.6 74.4





#25

2-Butanone

Concen: 1.635 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

Instrument :

MSVOA_Y

ClientSampleId :

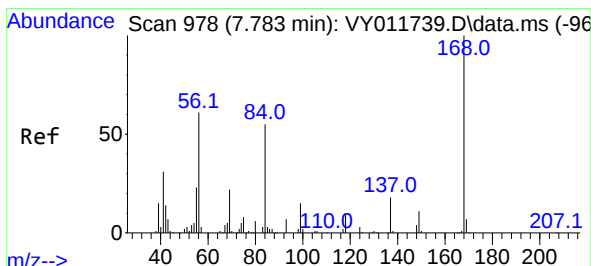
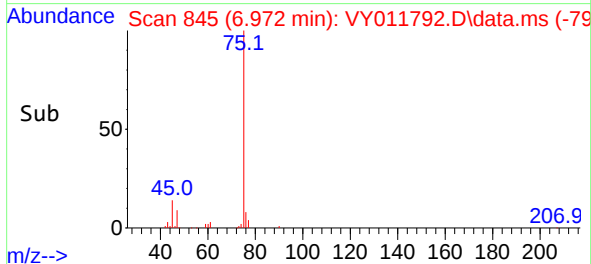
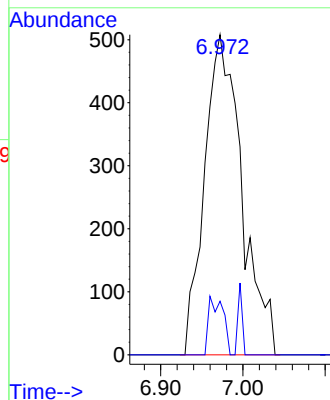
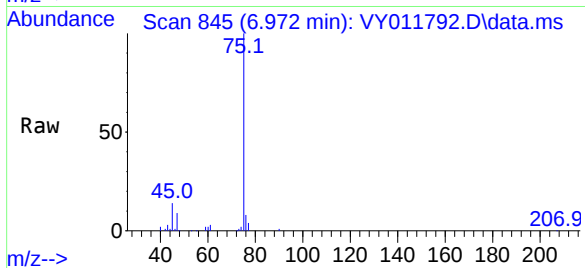
NB-07-121222

Tgt Ion: 43 Resp: 1605

Ion Ratio Lower Upper

43 100

72 16.7 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011792.D

Acq: 13 Dec 2022 14:40

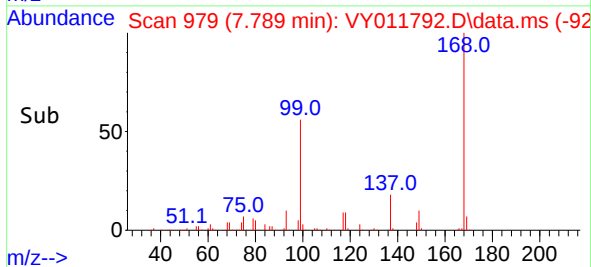
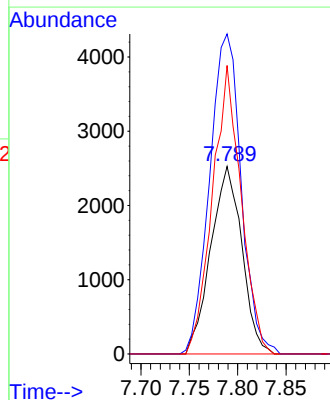
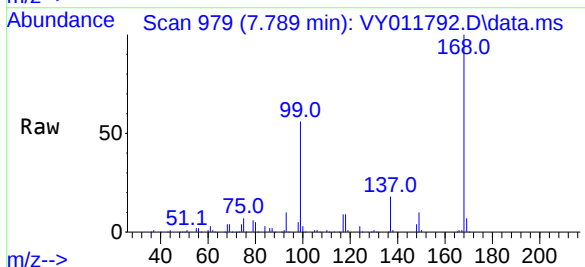
Tgt Ion: 56 Resp: 5646

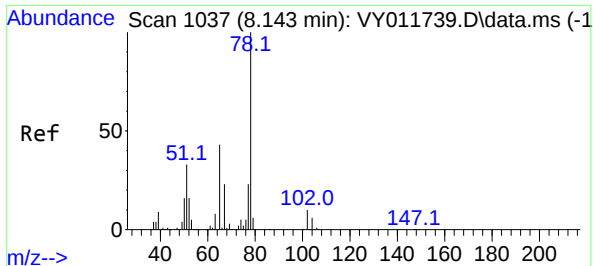
Ion Ratio Lower Upper

56 100

69 170.6 29.2 43.8#

84 153.8 72.6 108.8#

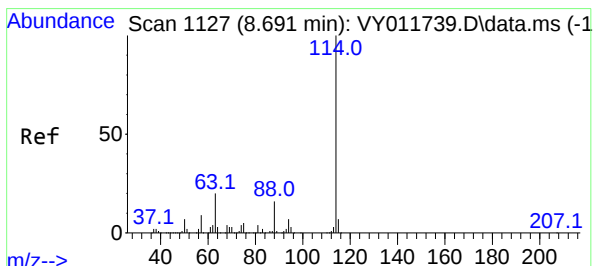
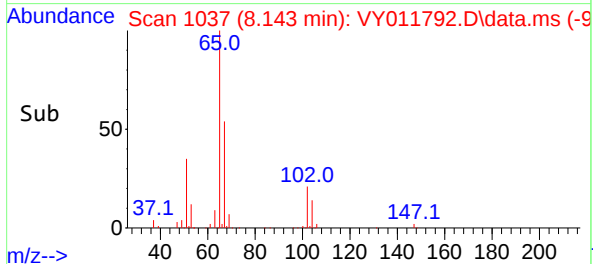
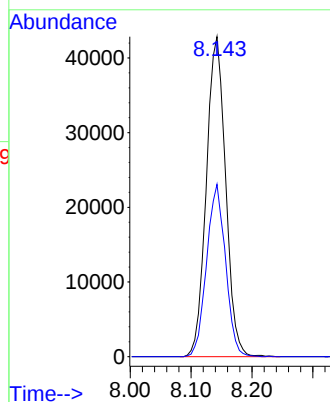
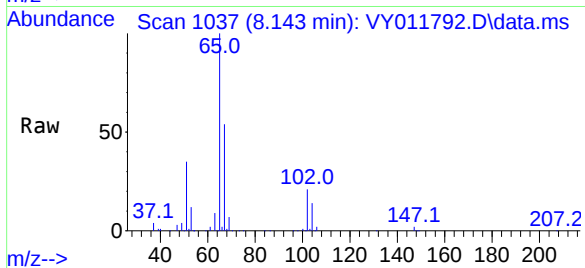




#33
1,2-Dichloroethane-d4
Concen: 49.387 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

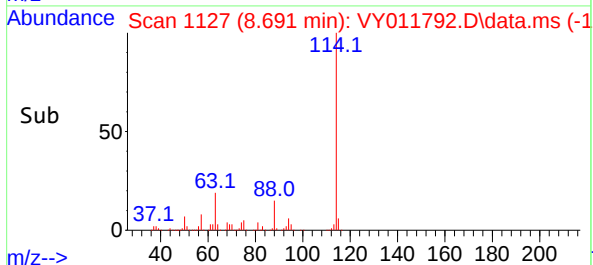
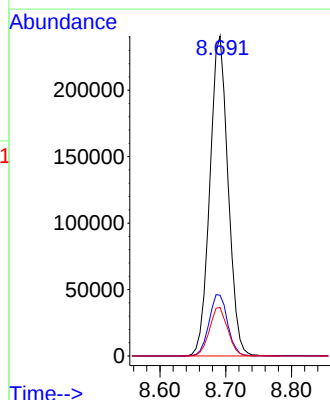
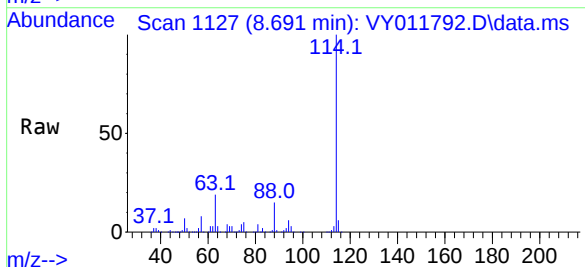
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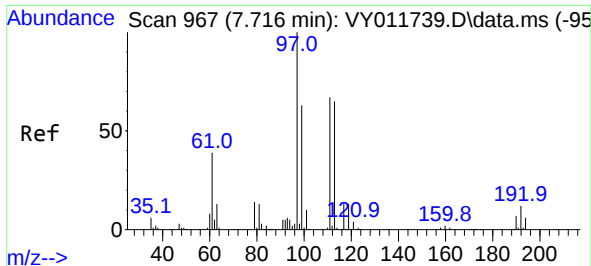
Tgt Ion: 65 Resp: 94301
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

Tgt Ion: 114 Resp: 463809
Ion Ratio Lower Upper
114 100
63 19.0 0.0 39.6
88 15.1 0.0 32.2

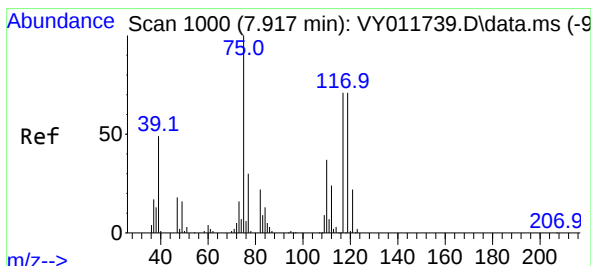
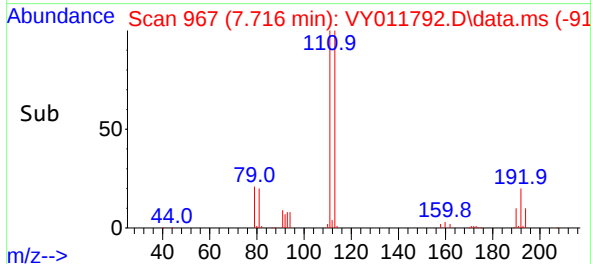
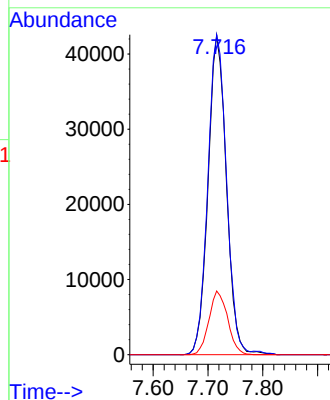
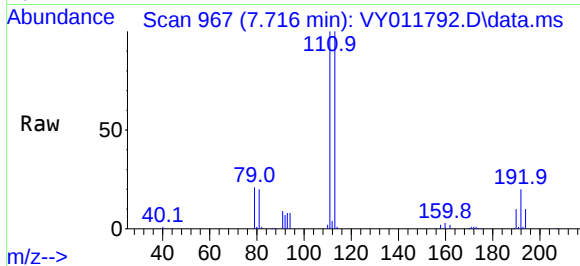




#35
Dibromofluoromethane
Concen: 47.641 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

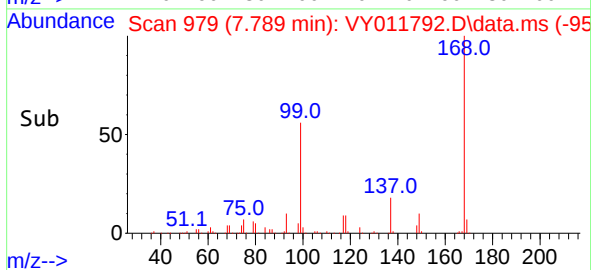
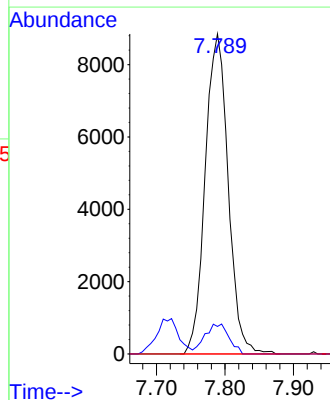
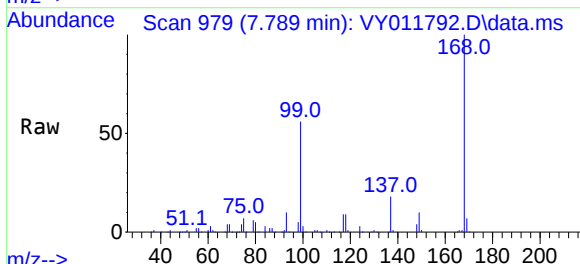
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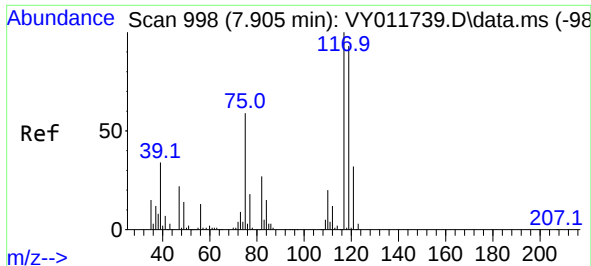
Tgt Ion:	113	Resp:	98551
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	20.3	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.866 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

Tgt Ion:	75	Resp:	20647
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	25.1	37.7#

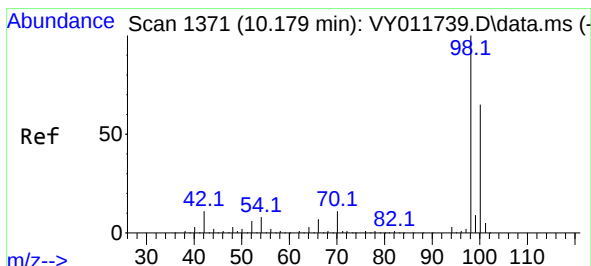
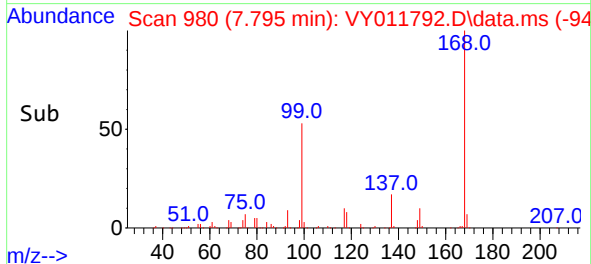
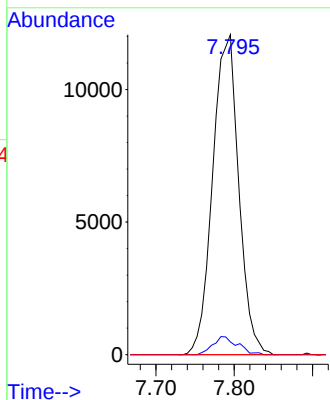
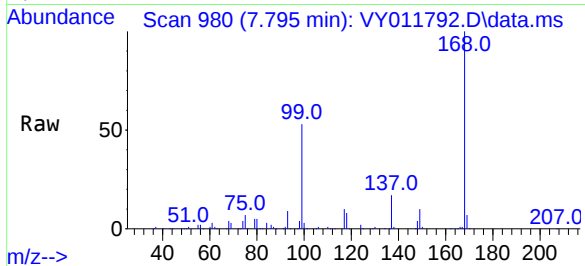




#38
Carbon Tetrachloride
Concen: 6.749 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

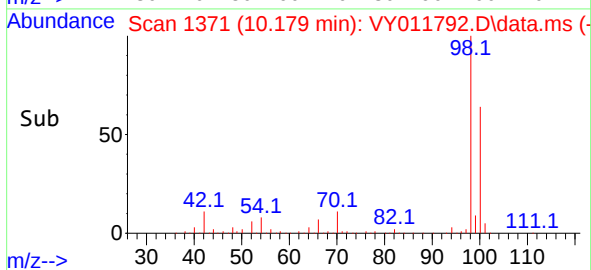
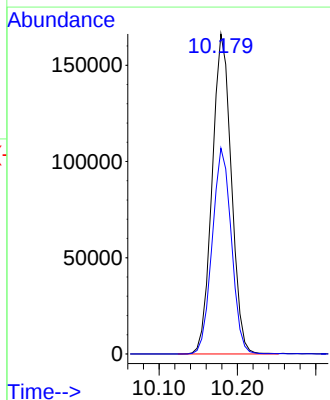
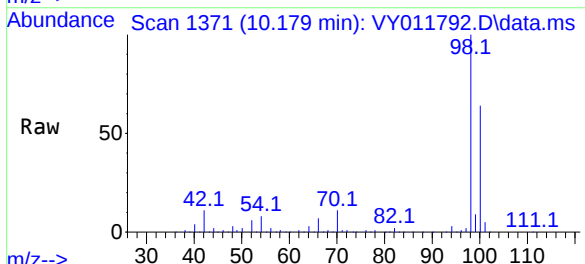
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-121222

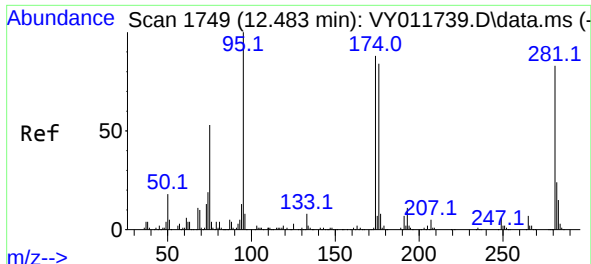
Tgt Ion:117 Resp: 27904
Ion Ratio Lower Upper
117 100
119 4.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.630 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

Tgt Ion: 98 Resp: 282906
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

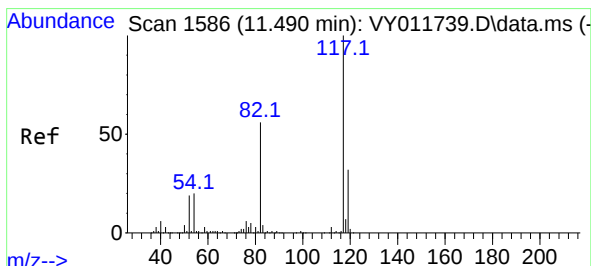
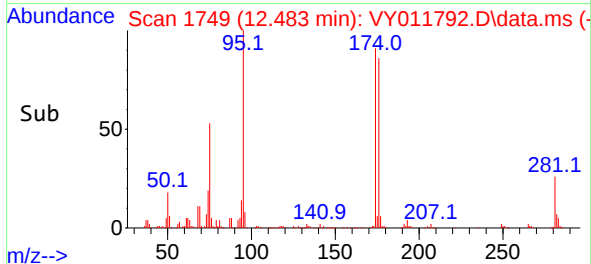
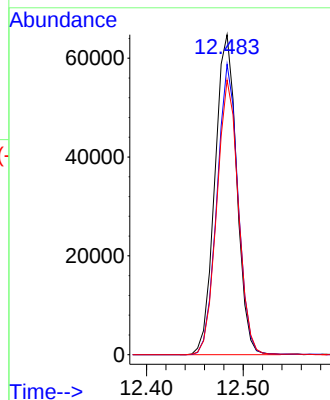
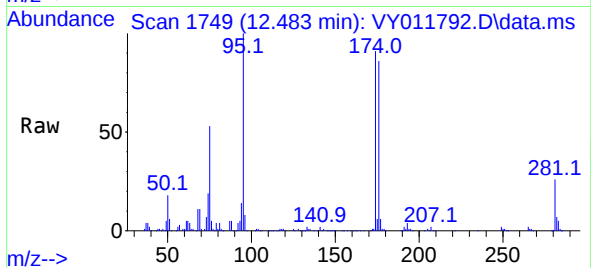




#62
4-Bromofluorobenzene
Concen: 36.438 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

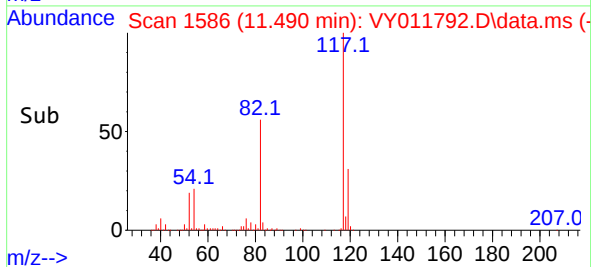
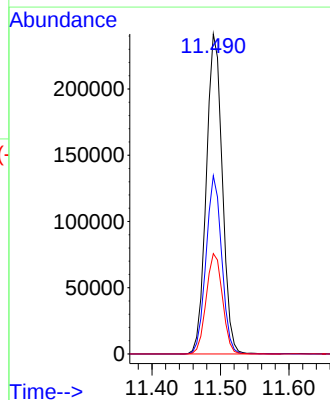
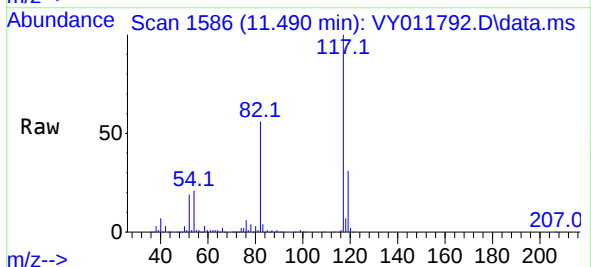
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-121222

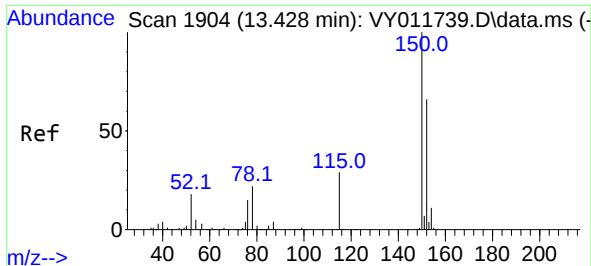
Tgt Ion: 95 Resp: 101314
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.0
176 84.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011792.D
Acq: 13 Dec 2022 14:40

Tgt Ion: 117 Resp: 392946
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 31.3 25.4 38.2

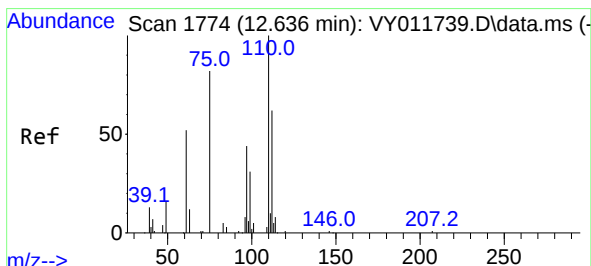
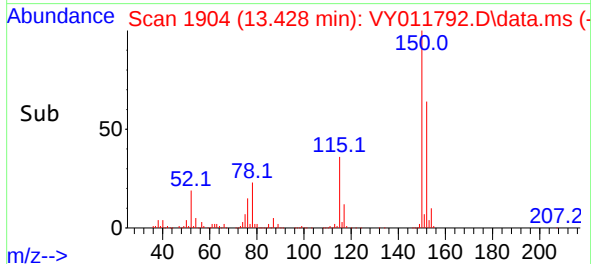
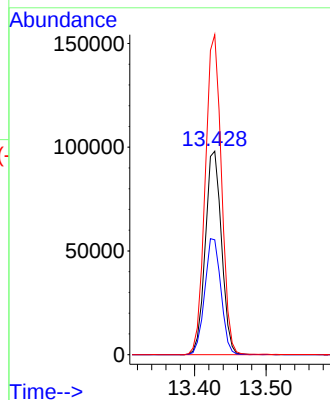
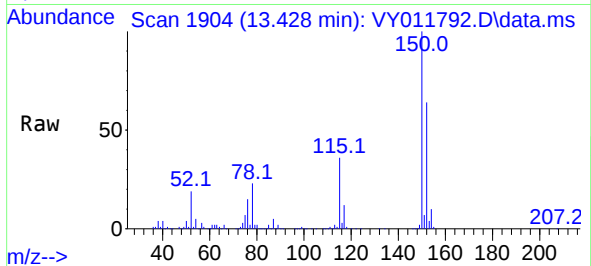




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011792.D
 Acq: 13 Dec 2022 14:40

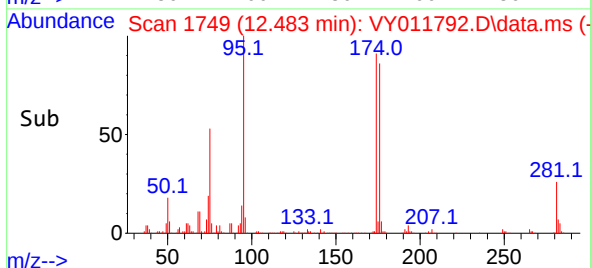
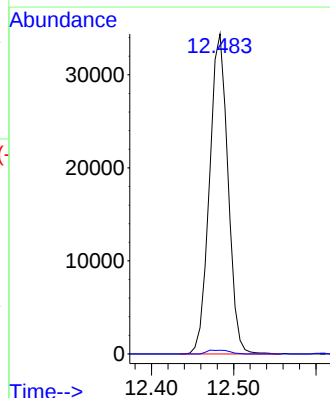
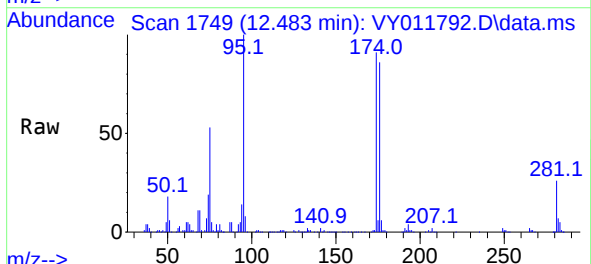
Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-121222

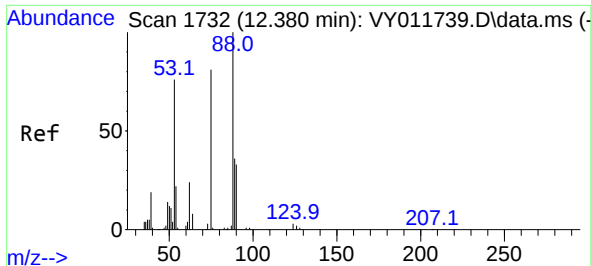
Tgt Ion:152 Resp: 154756
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 156.8 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 34.284 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011792.D
 Acq: 13 Dec 2022 14:40

Tgt Ion: 75 Resp: 53680
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.798 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011792.D
 Acq: 13 Dec 2022 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-121222

Tgt Ion: 75 Resp: 53680
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.8 37.0 55.4#

