

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022423\
 Data File : VY012722.D
 Acq On : 24 Feb 2023 15:08
 Operator : KP/MD
 Sample : 01669-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-022323

Quant Time: Feb 25 00:49:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

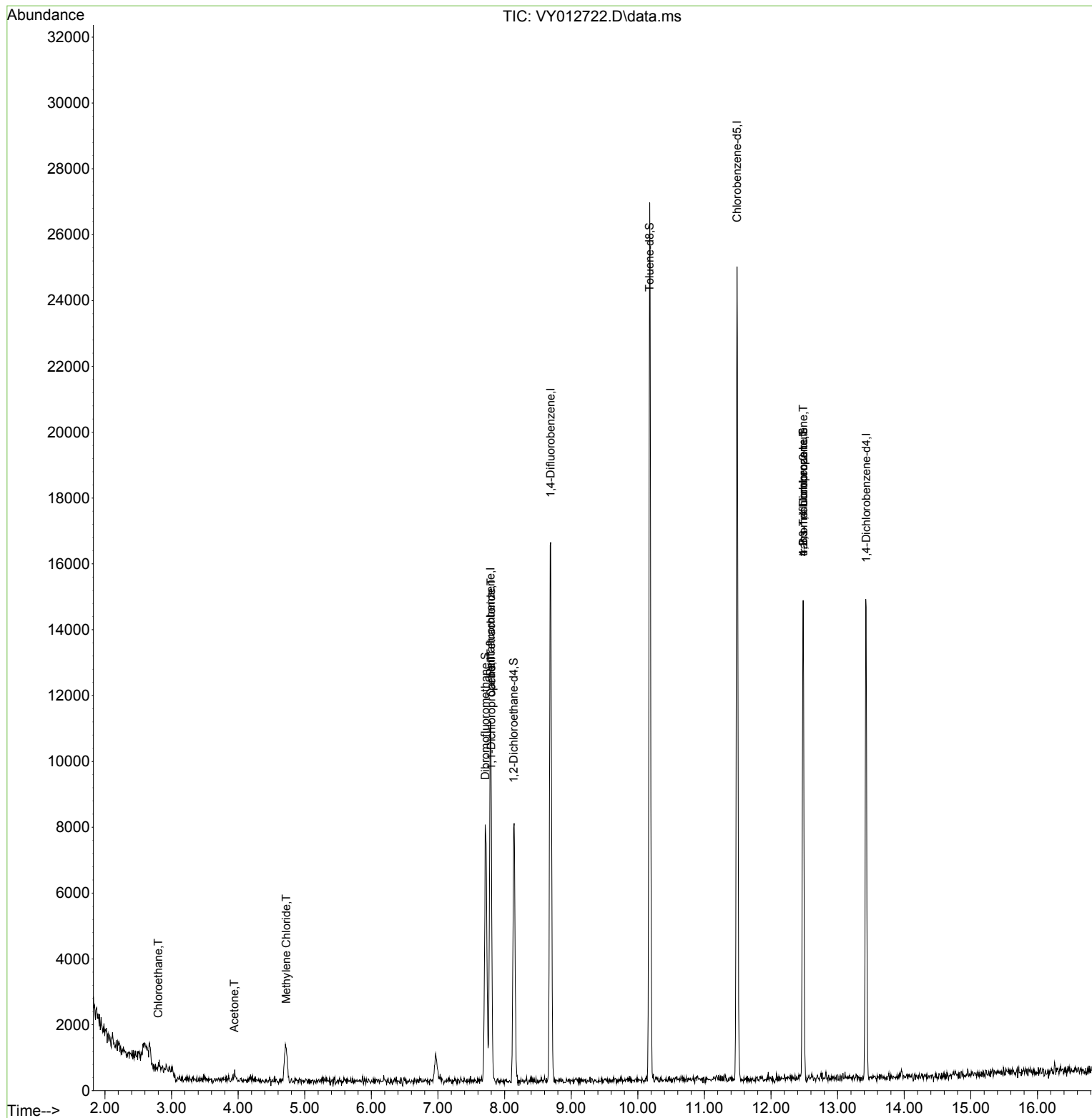
Internal Standards						
1) Pentafluorobenzene	7.789	168	8920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	13582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6039	57.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.640%
35) Dibromofluoromethane	7.710	113	5407	55.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.580%
50) Toluene-d8	10.179	98	17258	47.530	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.483	95	4264	36.698	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.400%
Target Compounds						
3) Chloromethane	2.119	50	310	Below Cal	Qvalue	92
6) Chloroethane	2.802	64	111	1.721 ug/l	#	41
16) Acetone	3.942	43	433	12.596 ug/l	#	46
20) Methylene Chloride	4.722	84	854	2.235 ug/l	#	84
36) 1,1-Dichloropropene	7.801	75	639	4.160 ug/l	#	42
38) Carbon Tetrachloride	7.795	117	852	5.364 ug/l	#	13
76) 1,2,3-Trichloropropane	12.483	75	2263	47.076 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2263	99.729 ug/l	#	9

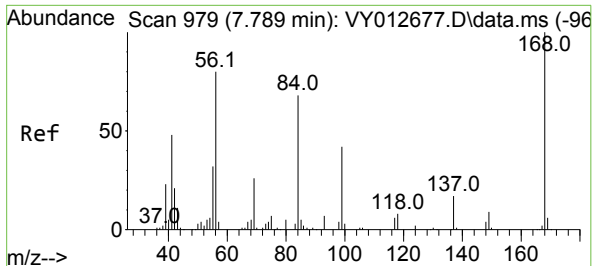
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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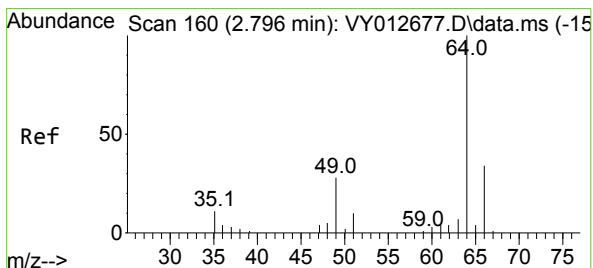
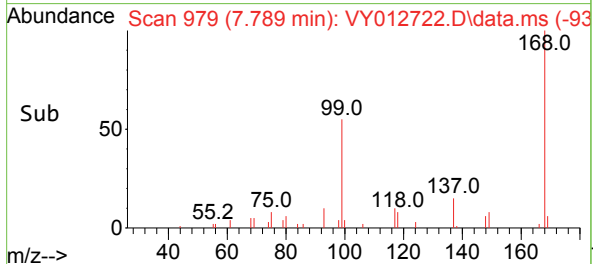
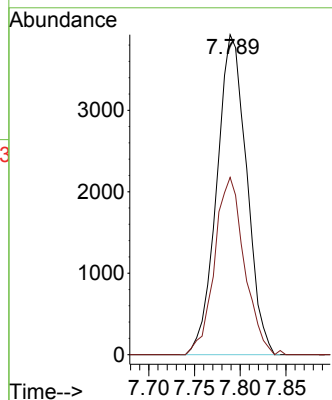
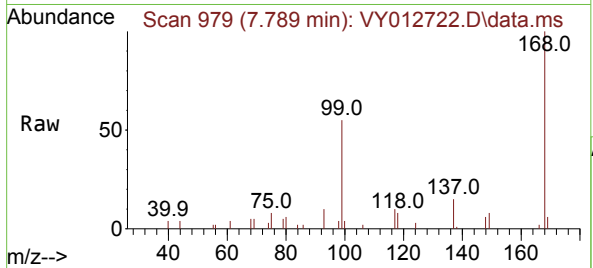




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

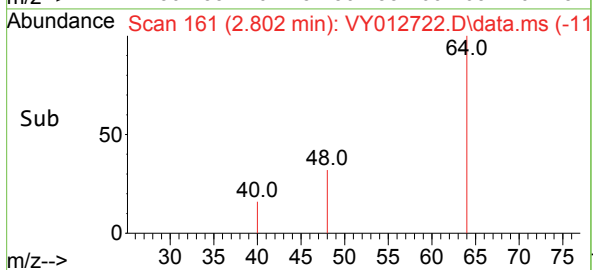
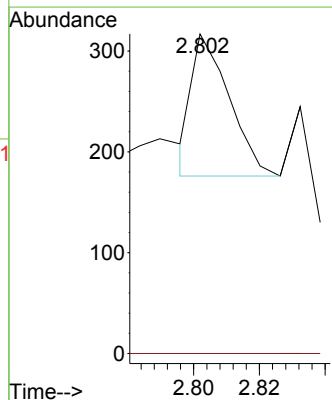
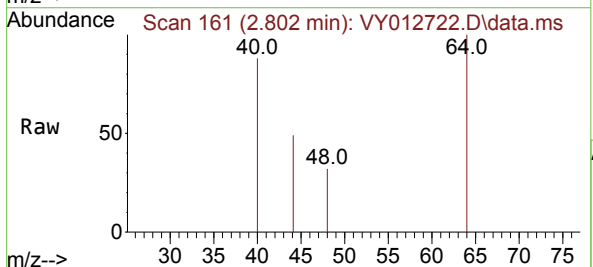
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-022323

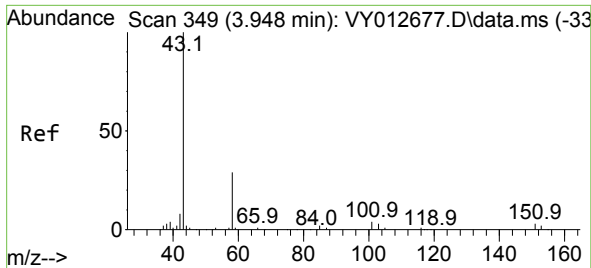
Tgt Ion:168 Resp: 8920
Ion Ratio Lower Upper
168 100
99 55.4 45.4 68.2



#6
Chloroethane
Concen: 1.721 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.006 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

Tgt Ion: 64 Resp: 111
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#





#16

Acetone

Concen: 12.596 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012722.D

Acq: 24 Feb 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

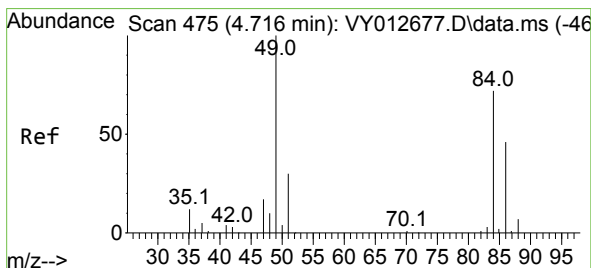
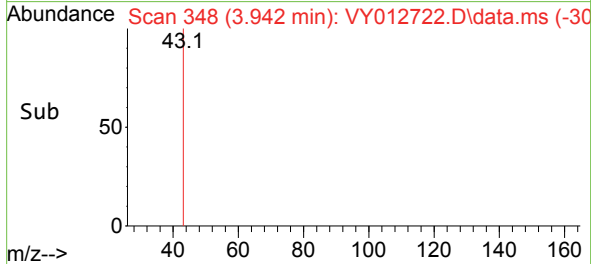
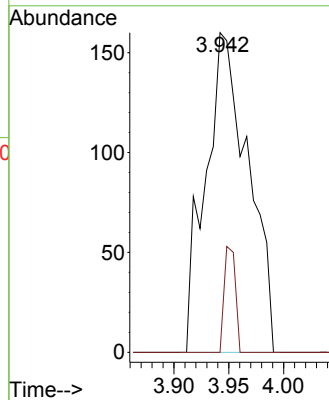
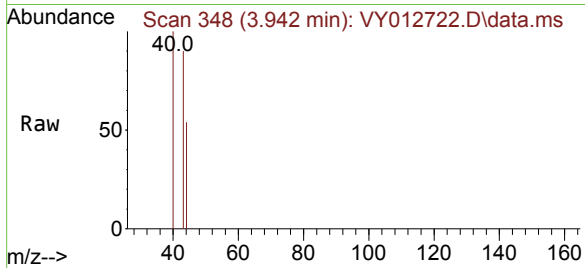
NB-08-022323

Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

43 100

58 0.0 23.3 34.9#



#20

Methylene Chloride

Concen: 2.235 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012722.D

Acq: 24 Feb 2023 15:08

Tgt Ion: 84 Resp: 854

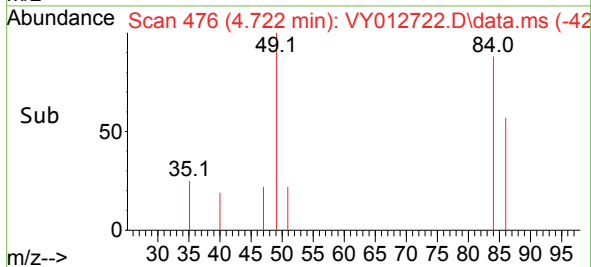
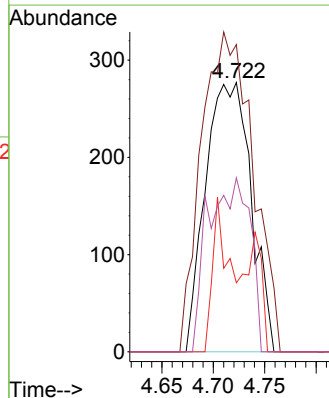
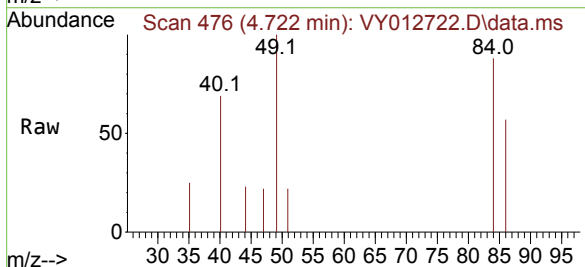
Ion Ratio Lower Upper

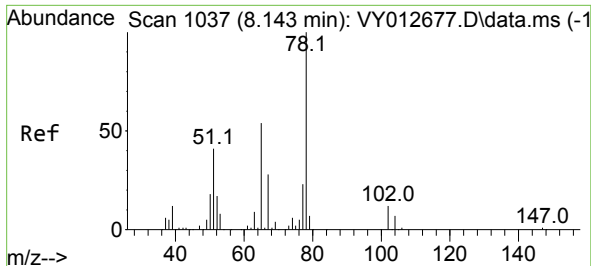
84 100

49 114.1 111.1 166.7

51 25.6 33.5 50.3#

86 64.6 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 57.324 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012722.D

Acq: 24 Feb 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

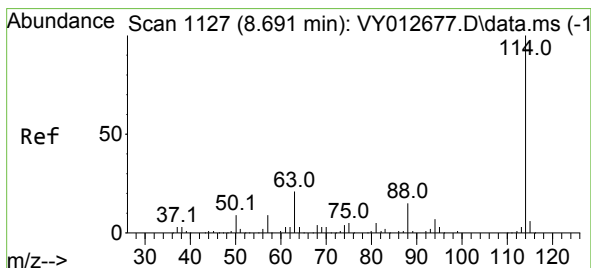
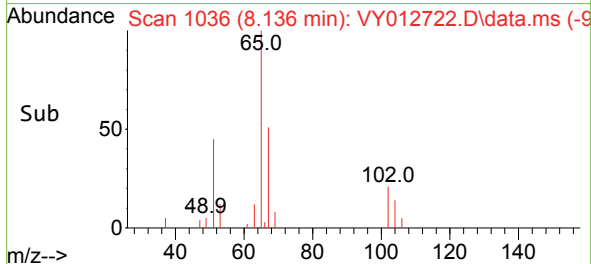
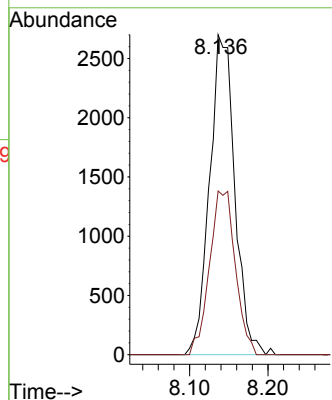
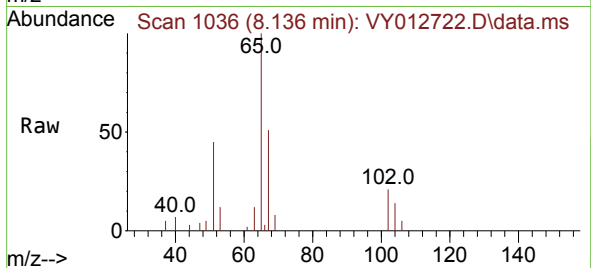
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Tgt Ion: 65 Resp: 6039

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012722.D

Acq: 24 Feb 2023 15:08

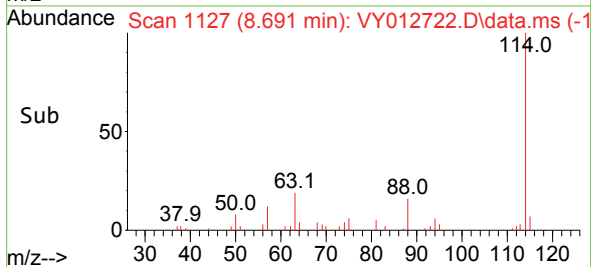
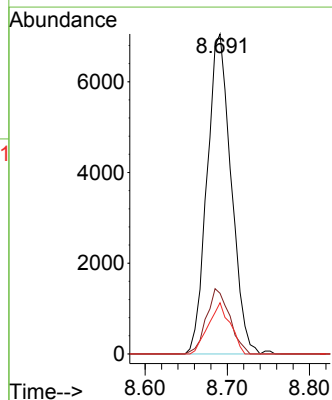
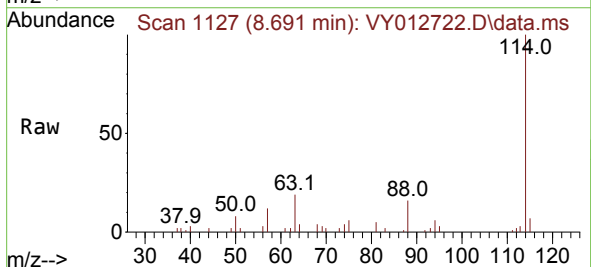
Tgt Ion: 114 Resp: 14349

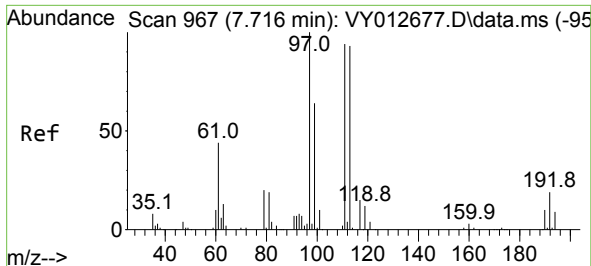
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.8

88 16.0 0.0 29.6

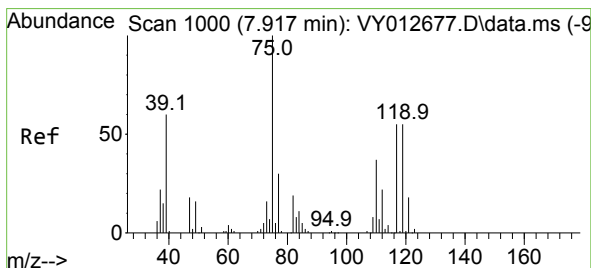
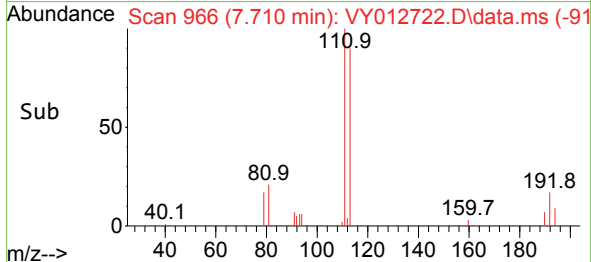
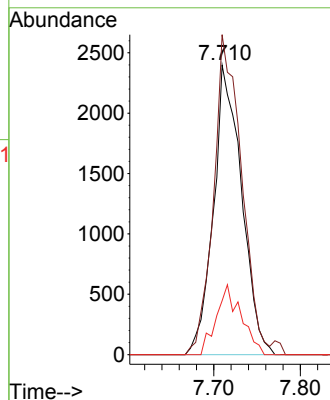
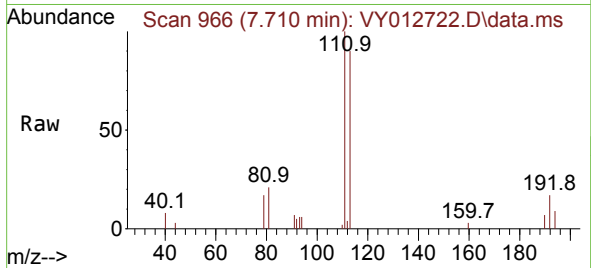




#35
Dibromofluoromethane
Concen: 55.789 ug/l
RT: 7.710 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

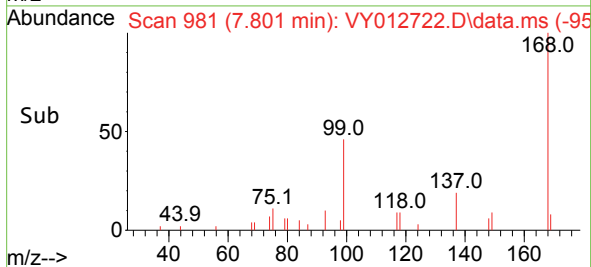
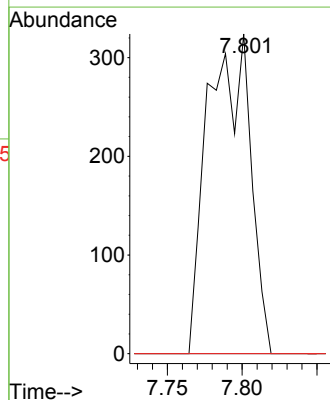
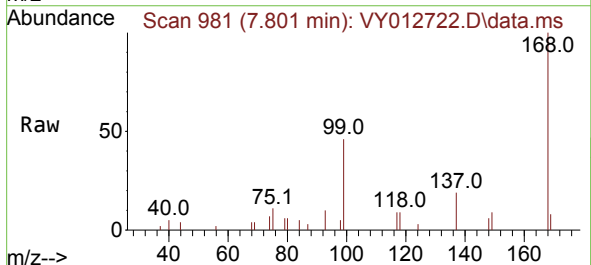
Instrument :
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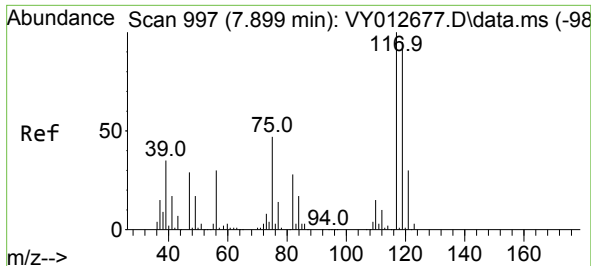
Tgt Ion:113 Resp: 5407
Ion Ratio Lower Upper
113 100
111 111.2 82.0 123.0
192 21.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.160 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
110 0.0 17.6 52.8#
77 0.0 24.6 37.0#

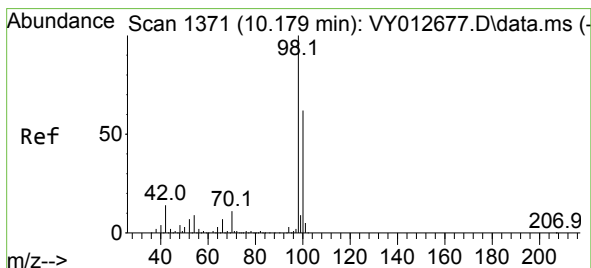
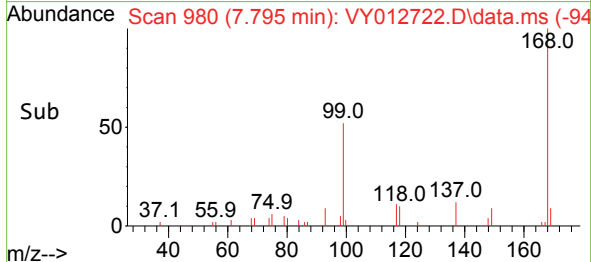
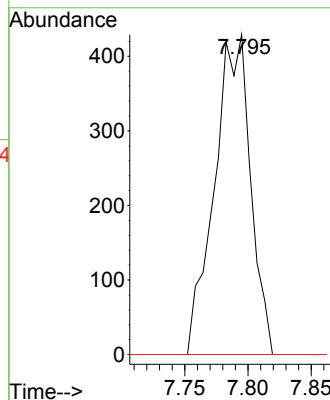
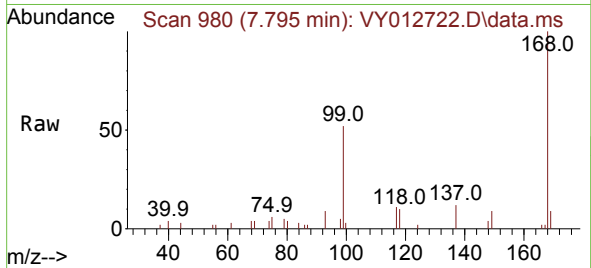




#38
Carbon Tetrachloride
Concen: 5.364 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

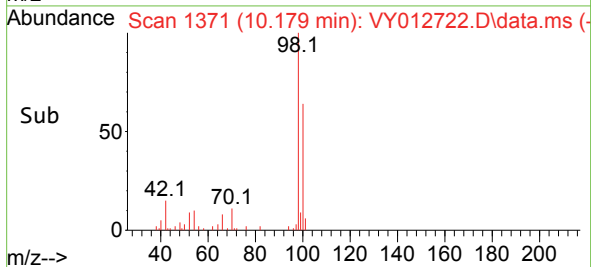
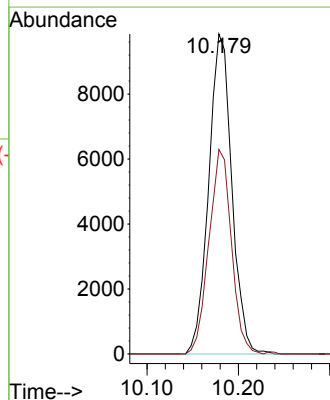
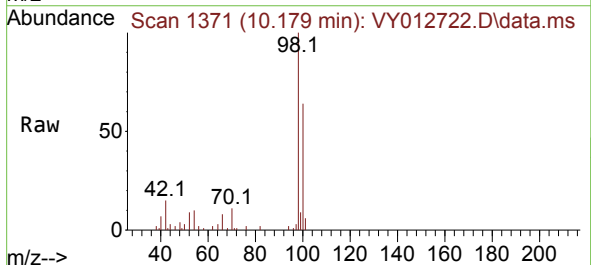
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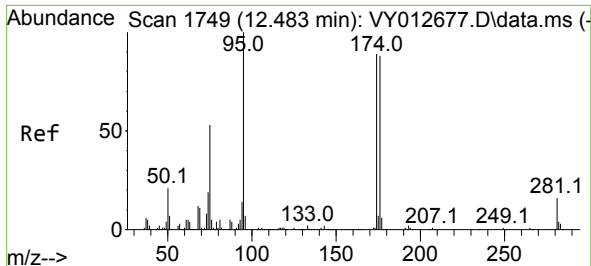
Tgt Ion:117 Resp: 852
Ion Ratio Lower Upper
117 100
119 0.0 75.5 113.3#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 47.530 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

Tgt Ion: 98 Resp: 17258
Ion Ratio Lower Upper
98 100
100 62.2 51.2 76.8

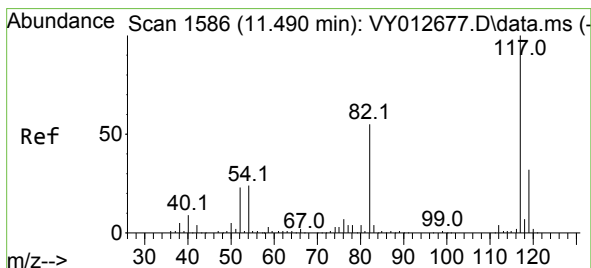
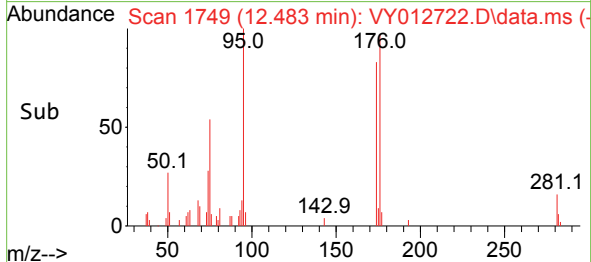
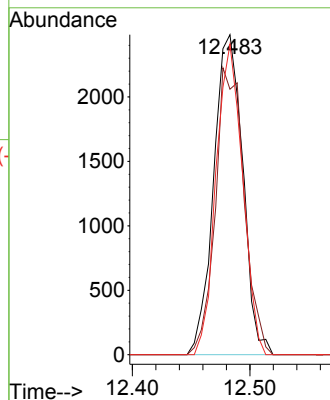
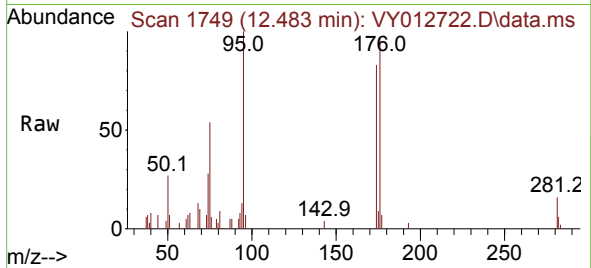




#62
4-Bromofluorobenzene
Concen: 36.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

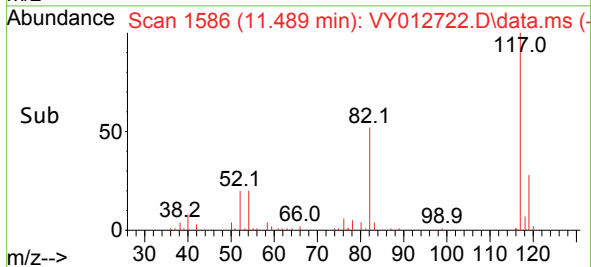
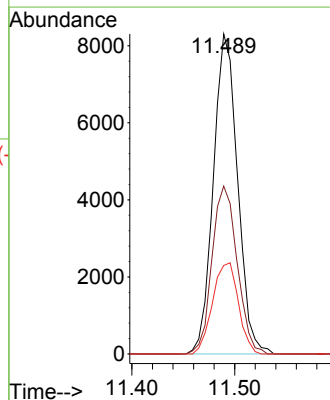
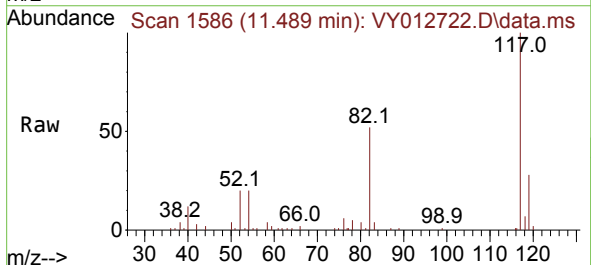
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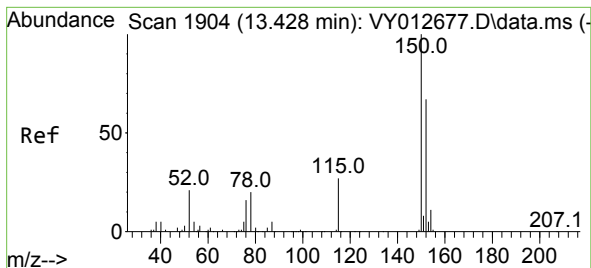
Tgt Ion:	95	Resp:	4264
Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	172.8
176	88.3	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

Tgt Ion:	117	Resp:	13582
Ion	Ratio	Lower	Upper
117	100		
82	52.4	44.1	66.1
119	27.7	25.5	38.3

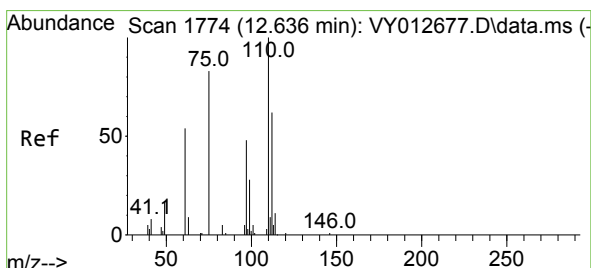
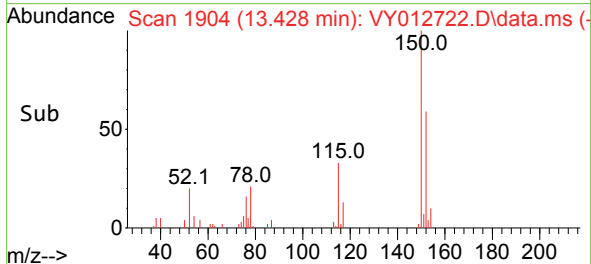
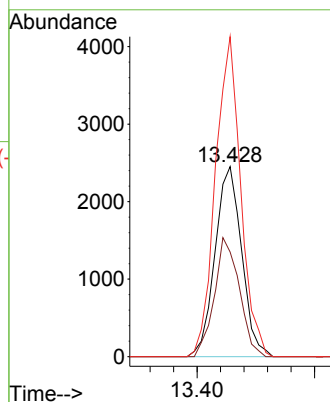
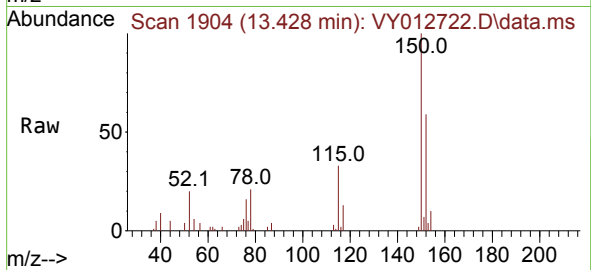




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

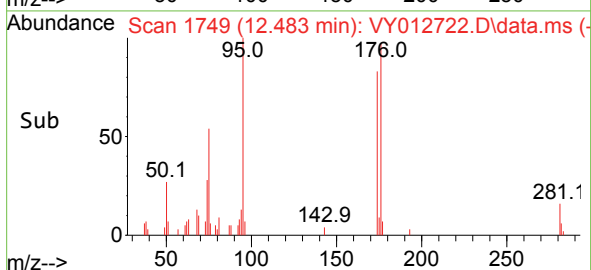
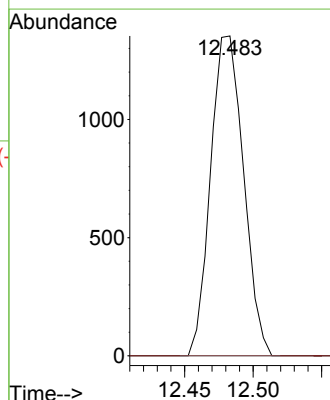
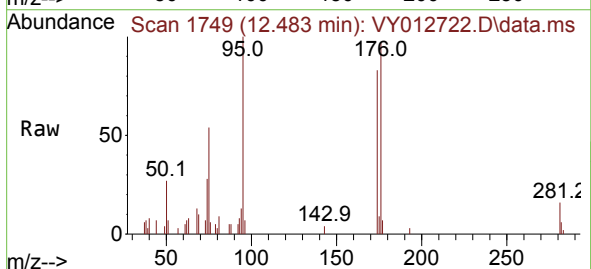
Instrument :
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NB-08-022323

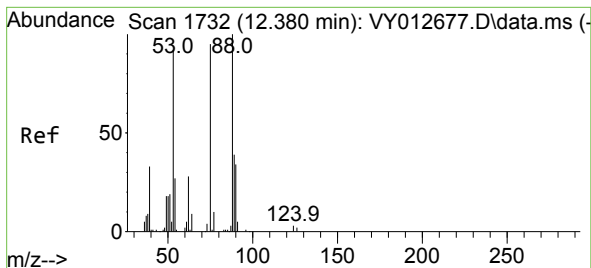
Tgt Ion:152 Resp: 3856
Ion Ratio Lower Upper
152 100
115 58.5 28.7 86.3
150 160.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.076 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012722.D
Acq: 24 Feb 2023 15:08

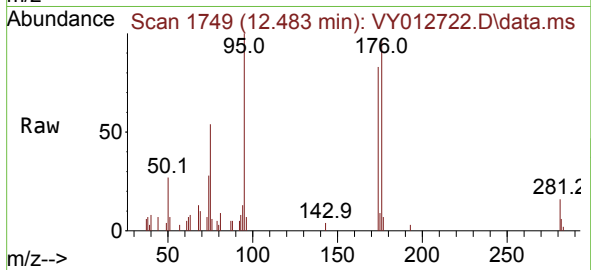
Tgt Ion: 75 Resp: 2263
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.729 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012722.D
 Acq: 24 Feb 2023 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-022323



Tgt Ion: 75 Resp: 2263
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.4 120.6#
 89 0.0 36.5 54.7#

