

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012100.D
 Acq On : 06 Jan 2023 18:35
 Operator : KP/MD
 Sample : 01033-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-228

Quant Time: Jan 07 01:50:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

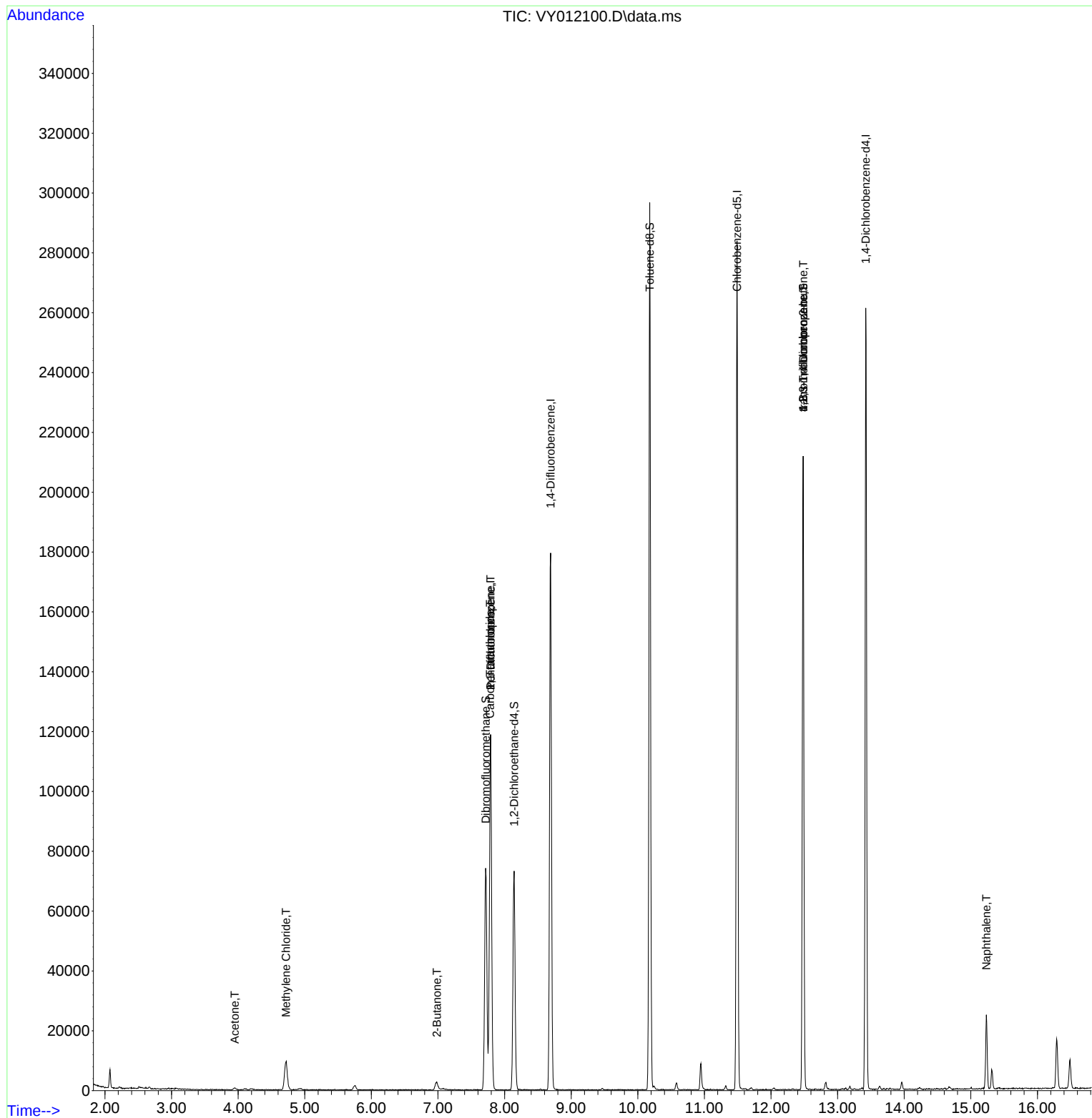
Internal Standards						
1) Pentafluorobenzene	7.789	168	93399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	159806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	155627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60882	58.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.020%
35) Dibromofluoromethane	7.716	113	50764	48.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.179	98	193994	46.792	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.483	95	62503	43.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	41	Below Cal	#	41
3) Chloromethane	2.119	50	188	Below Cal	#	41
5) Bromomethane	2.662	94	262	Below Cal	#	75
11) Tert butyl alcohol	4.936	59	290	Below Cal	#	74
16) Acetone	3.948	43	1113	4.508	ug/l	92
20) Methylene Chloride	4.716	84	7681	1.636	ug/l	86
25) 2-Butanone	6.984	43	595	1.827	ug/l #	46
31) Cyclohexane	7.783	56	1606	Below Cal	#	5
36) 1,1-Dichloropropene	7.789	75	6315	3.963	ug/l #	52
38) Carbon Tetrachloride	7.783	117	9119	4.508	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	32338	39.813	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32338	88.418	ug/l #	13
95) Naphthalene	15.233	128	21072	7.123	ug/l	99

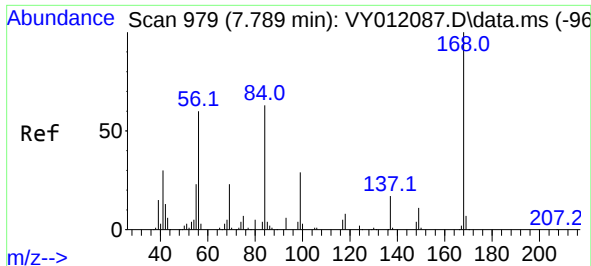
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
Data File : VY012100.D
Acq On : 06 Jan 2023 18:35
Operator : KP/MD
Sample : 01033-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

Quant Time: Jan 07 01:50:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 07 01:46:48 2023
Response via : Initial Calibration

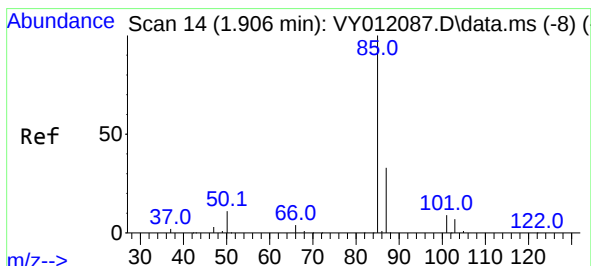
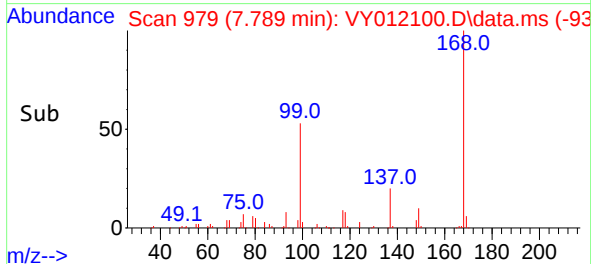
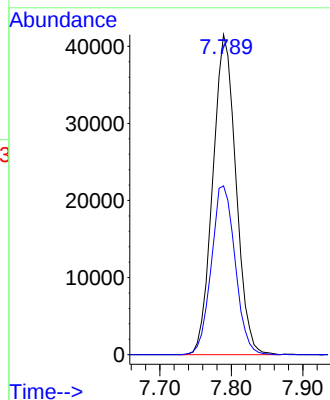
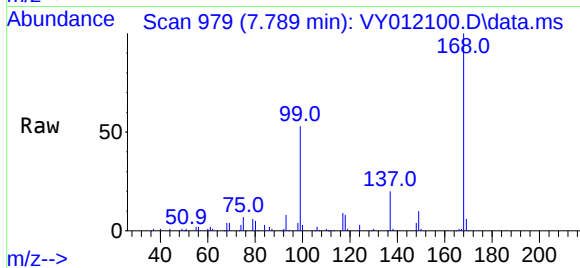




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

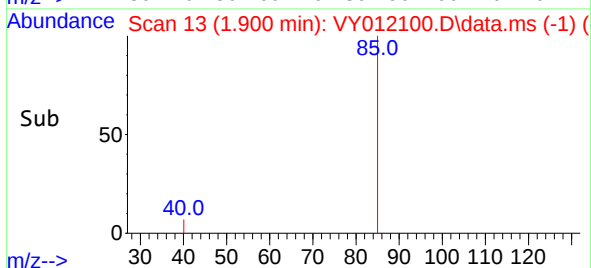
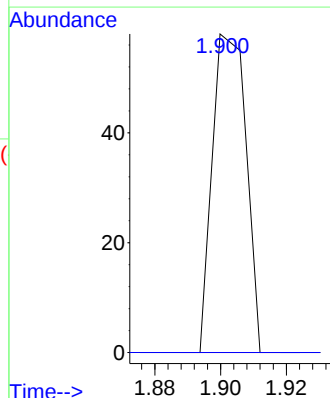
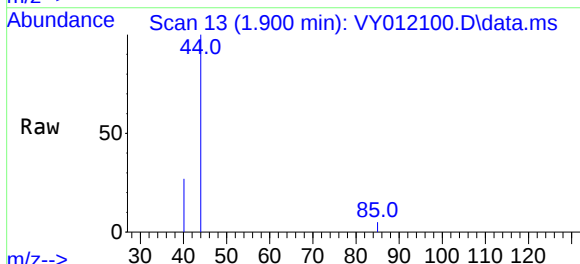
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

Tgt Ion:168 Resp: 93399
Ion Ratio Lower Upper
168 100
99 52.7 44.0 66.0

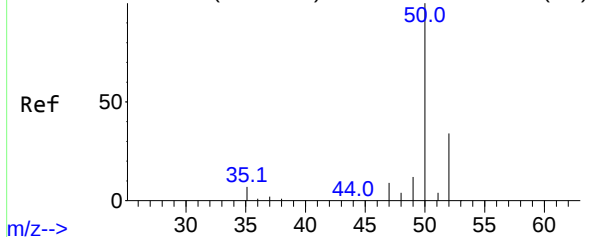


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

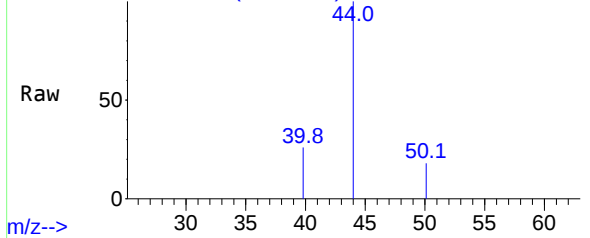
Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



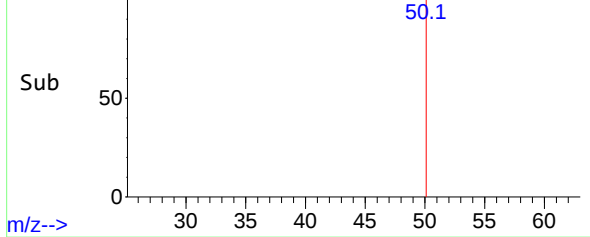
Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



Abundance Scan 49 (2.119 min): VY012100.D\data.ms



Abundance Scan 49 (2.119 min): VY012100.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012100.D

Acq: 06 Jan 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-228

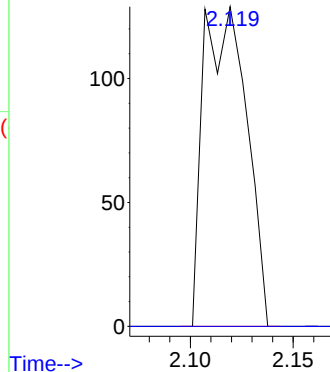
Tgt Ion: 50 Resp: 188

Ion Ratio Lower Upper

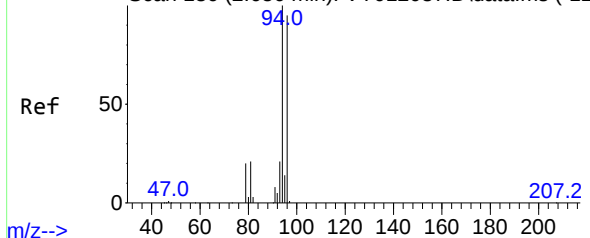
50 100

52 0.0 26.8 40.2#

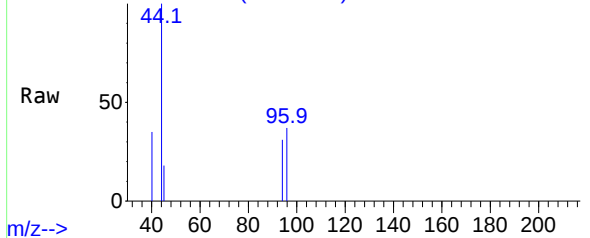
Abundance



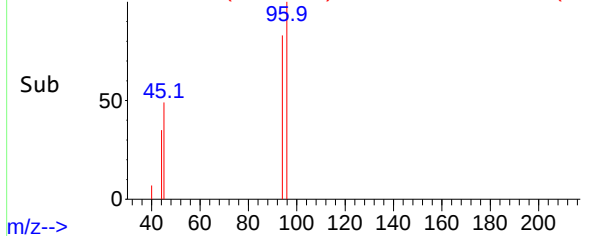
Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



Abundance Scan 138 (2.662 min): VY012100.D\data.ms



Abundance Scan 138 (2.662 min): VY012100.D\data.ms (-87)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012100.D

Acq: 06 Jan 2023 18:35

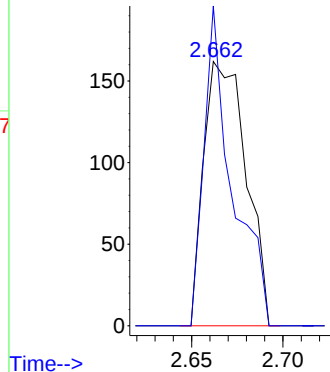
Tgt Ion: 94 Resp: 262

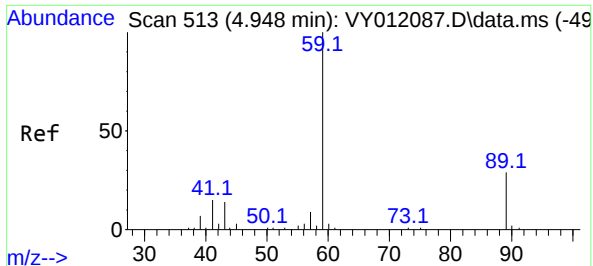
Ion Ratio Lower Upper

94 100

96 121.0 77.4 116.2#

Abundance

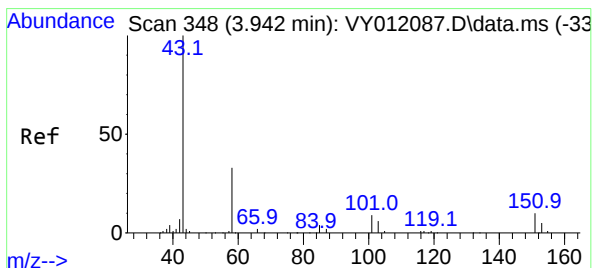
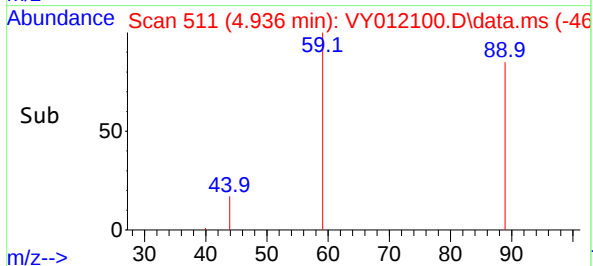
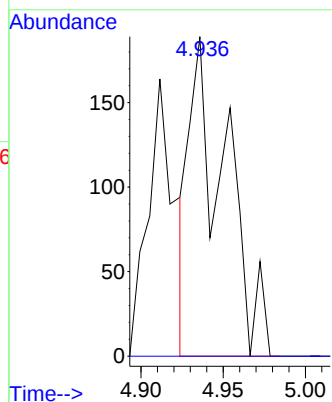
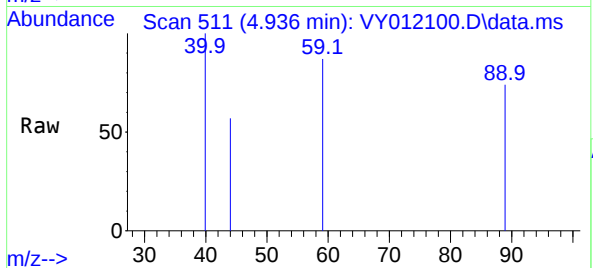




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

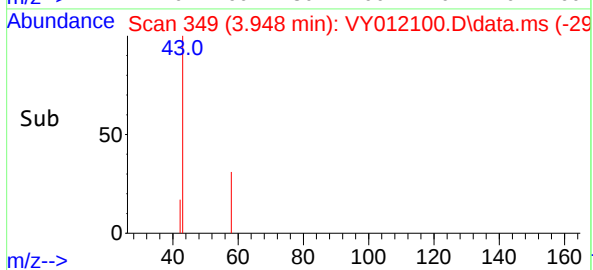
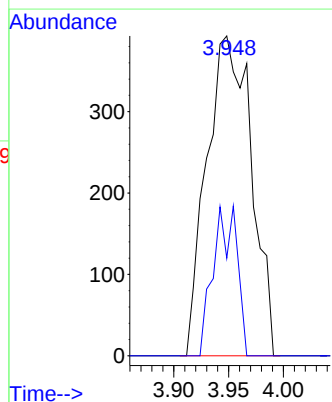
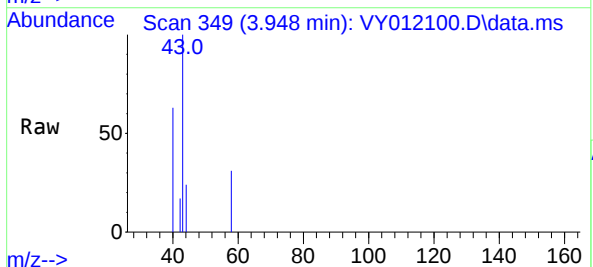
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

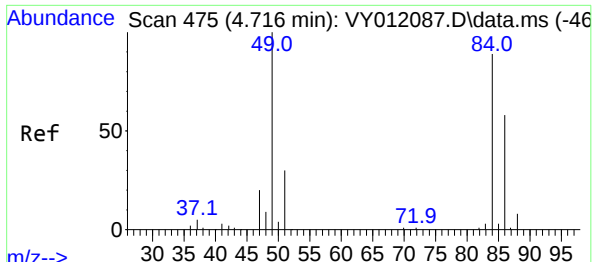
Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.508 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 30.5 27.9 41.9



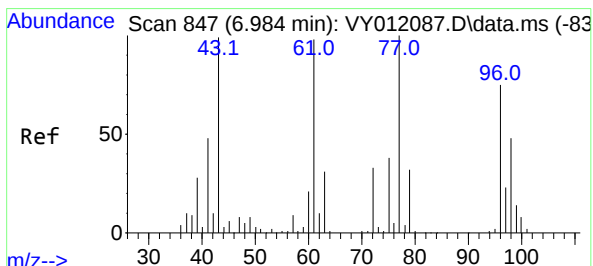
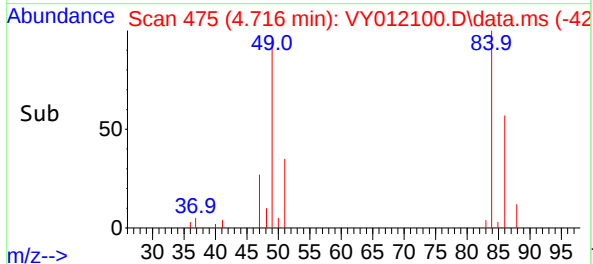
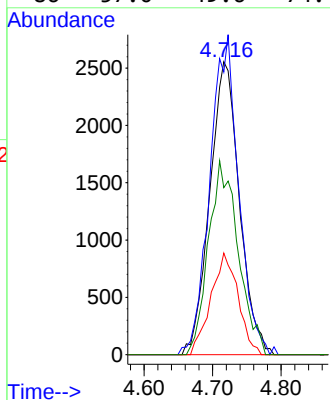
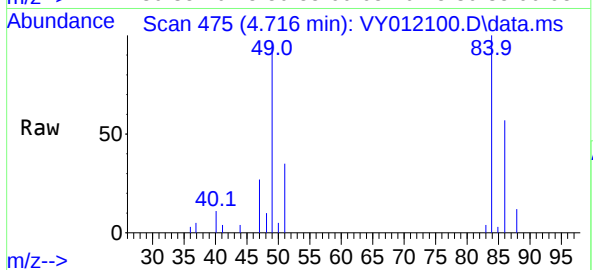


#20
Methylene Chloride
Concen: 1.636 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

Tgt Ion: 84 Resp: 7681

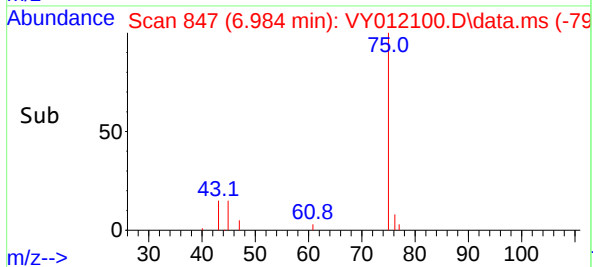
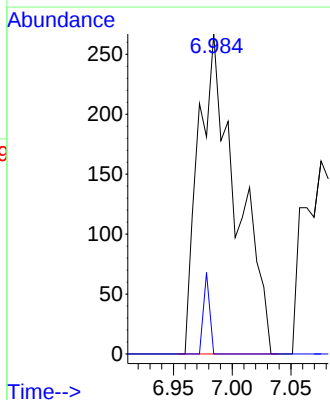
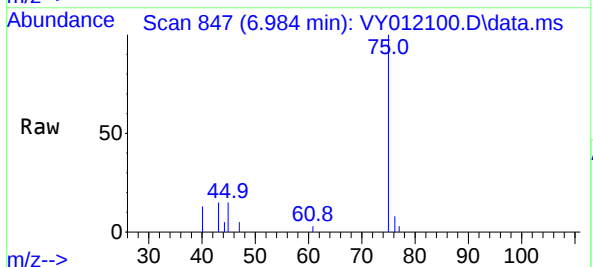
Ion	Ratio	Lower	Upper
84	100		
49	96.5	95.4	143.2
51	34.7	29.9	44.9
86	57.0	49.6	74.4

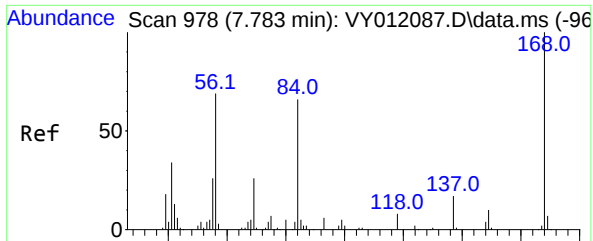


#25
2-Butanone
Concen: 1.827 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion: 43 Resp: 595

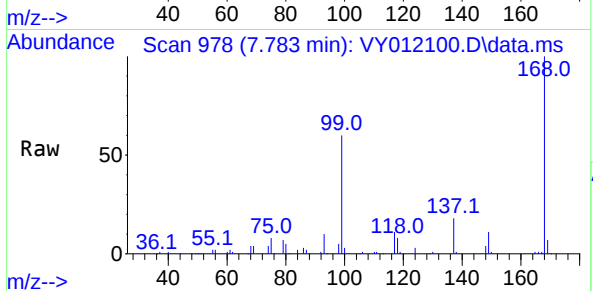
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#



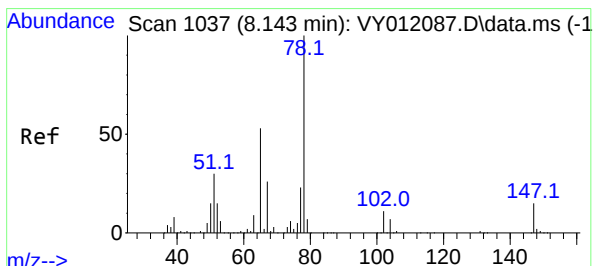
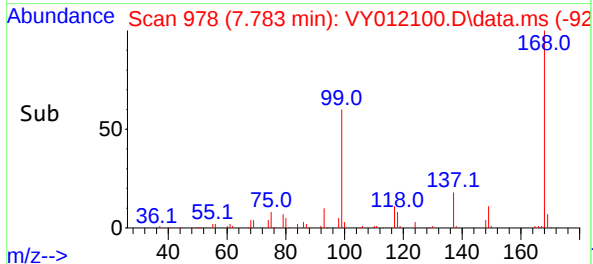
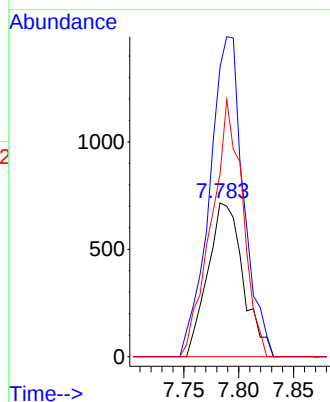


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

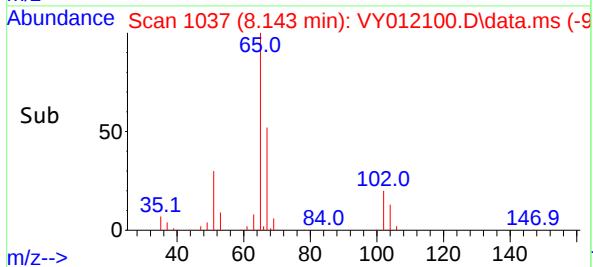
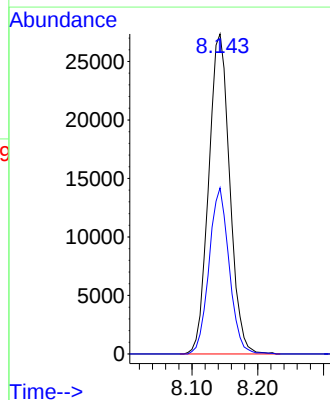
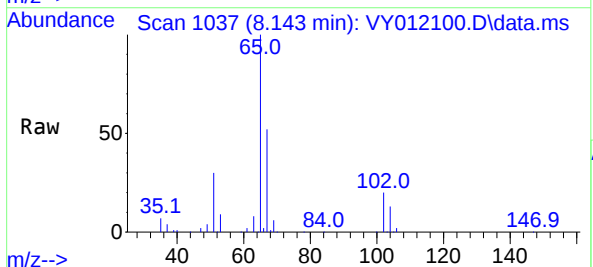


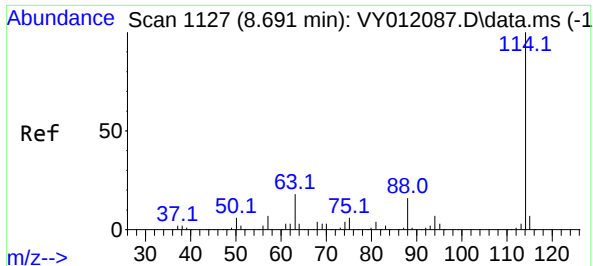
Tgt Ion: 56 Resp: 1606
Ion Ratio Lower Upper
56 100
69 188.4 29.2 43.8#
84 118.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 58.011 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion: 65 Resp: 60882
Ion Ratio Lower Upper
65 100
67 49.6 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: VY012100.D

Acq: 06 Jan 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-228

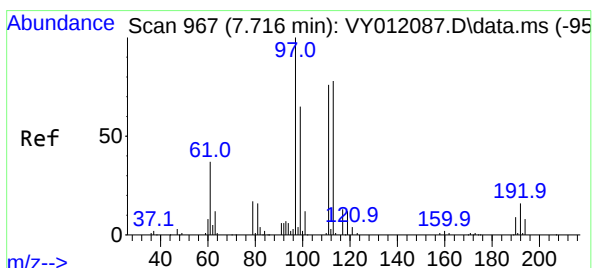
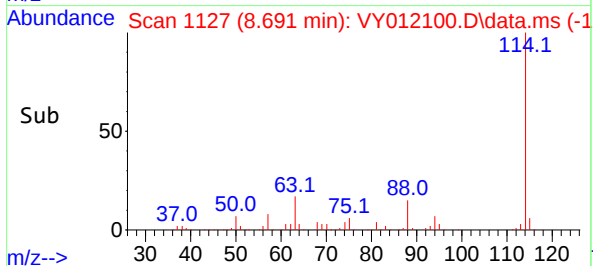
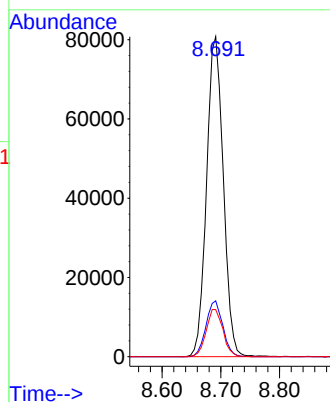
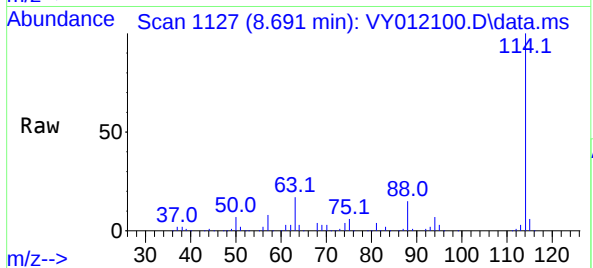
Tgt Ion:114 Resp: 159806

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.329 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012100.D

Acq: 06 Jan 2023 18:35

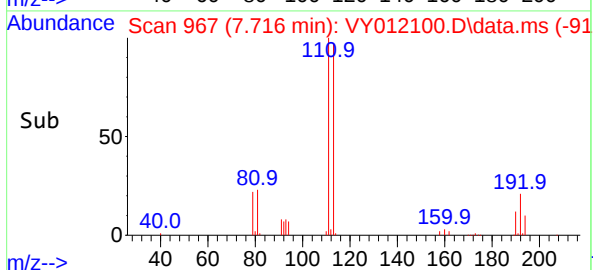
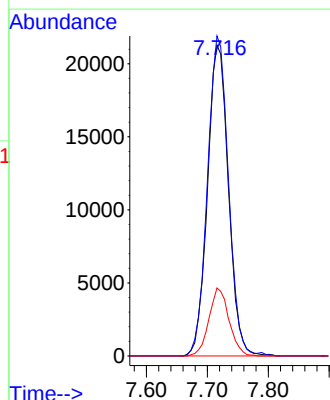
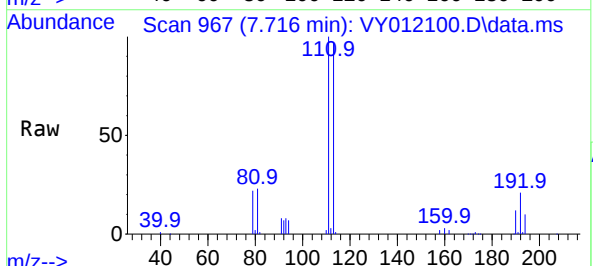
Tgt Ion:113 Resp: 50764

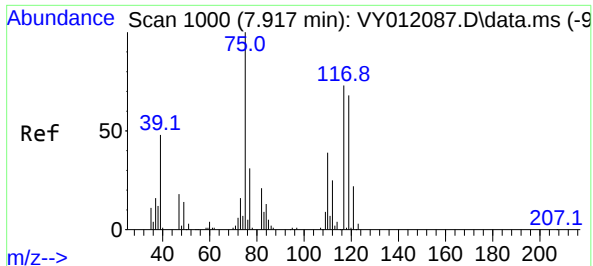
Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

192 20.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 3.963 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012100.D

Acq: 06 Jan 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-228

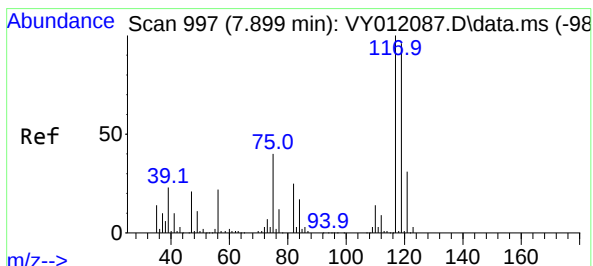
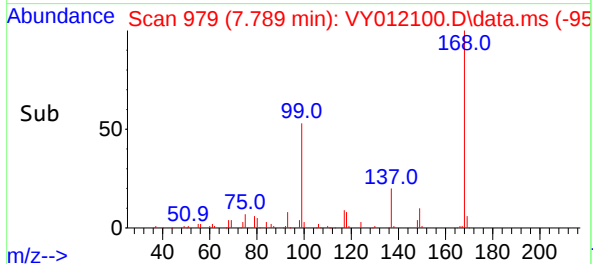
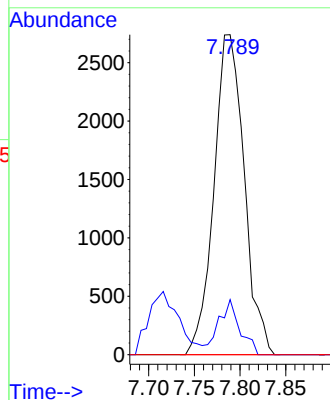
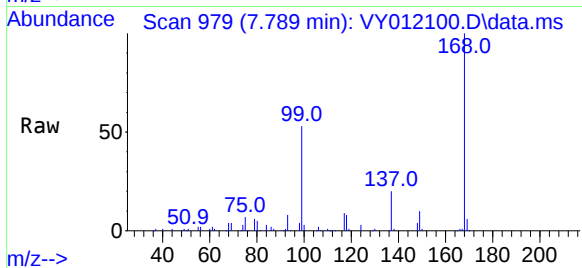
Tgt Ion: 75 Resp: 6315

Ion Ratio Lower Upper

75 100

110 12.2 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.508 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012100.D

Acq: 06 Jan 2023 18:35

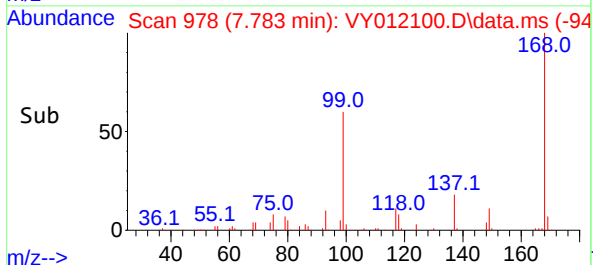
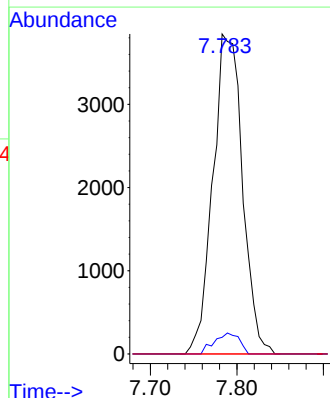
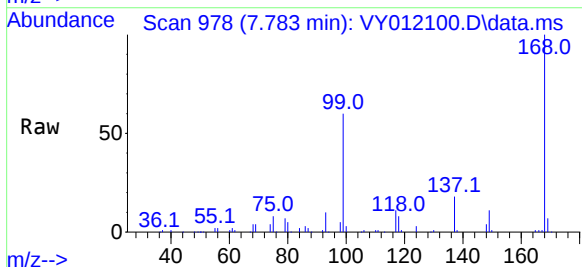
Tgt Ion: 117 Resp: 9119

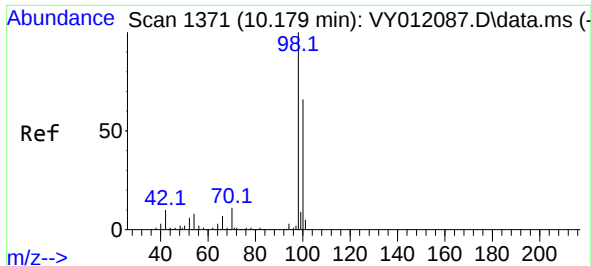
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

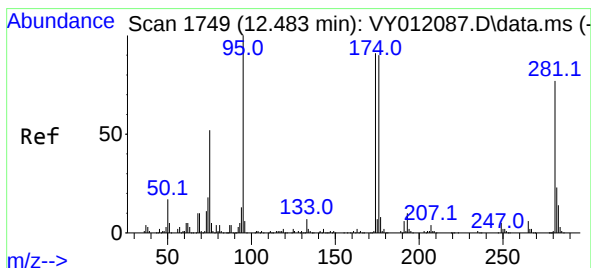
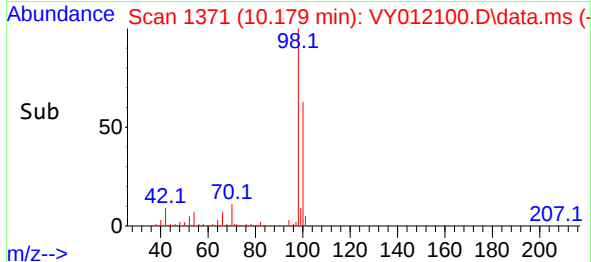
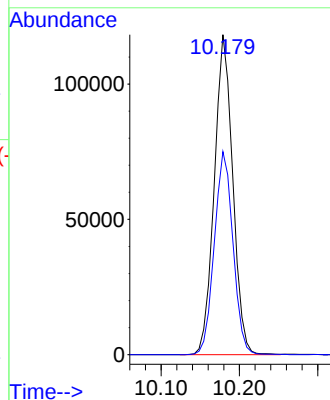
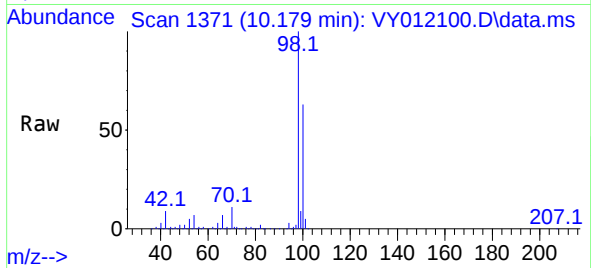




#50
Toluene-d8
Concen: 46.792 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

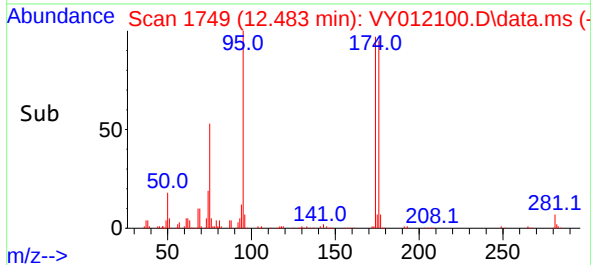
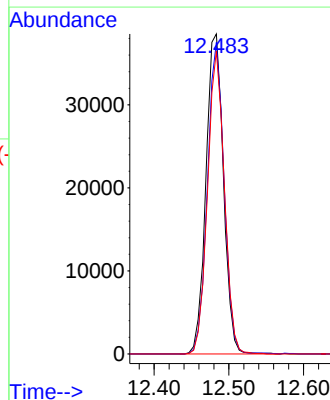
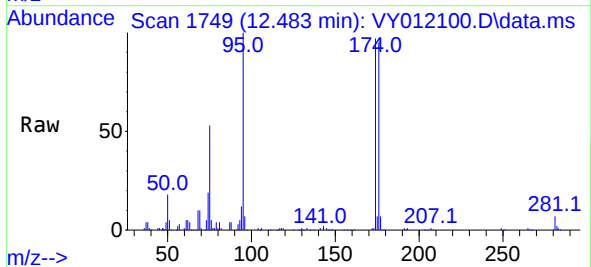
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

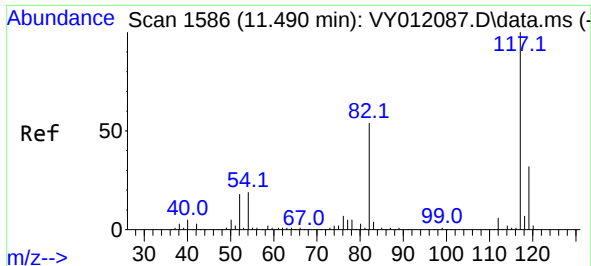
Tgt Ion: 98 Resp: 193994
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.130 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion: 95 Resp: 62503
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 91.0 0.0 167.6

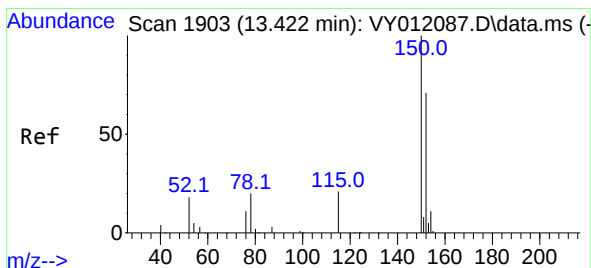
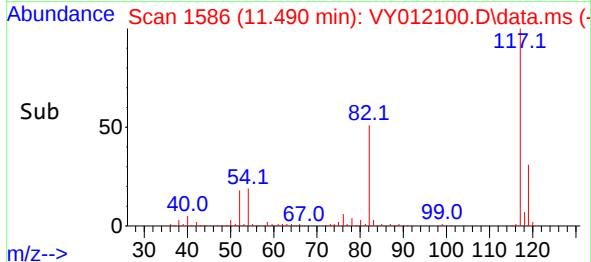
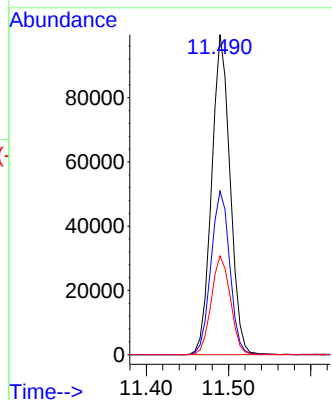
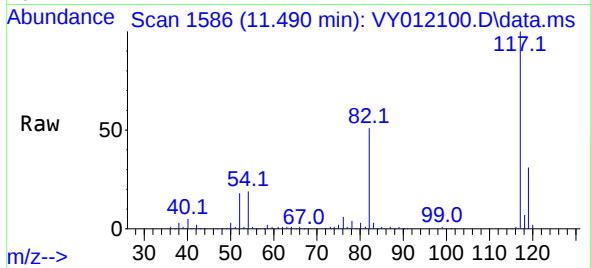




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

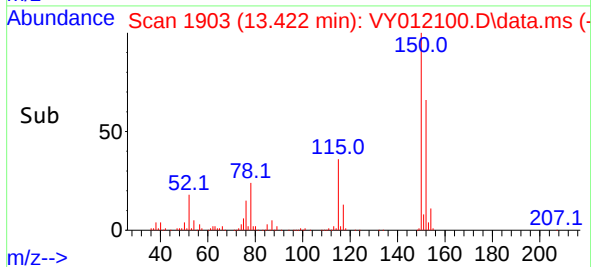
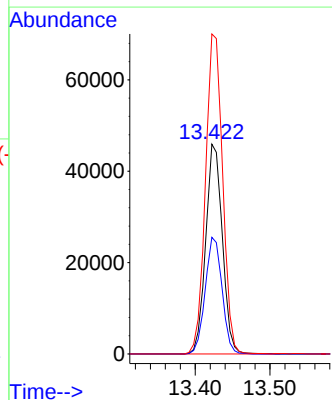
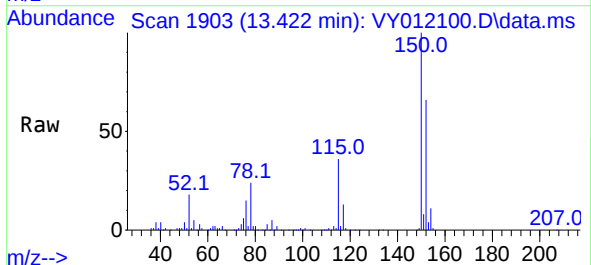
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

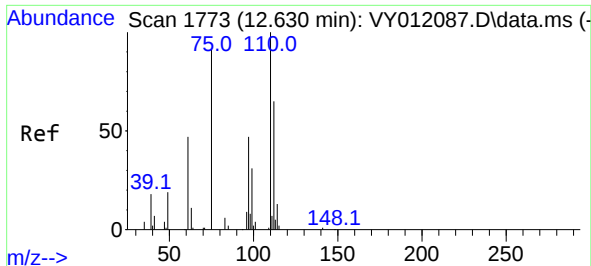
Tgt Ion:117 Resp: 155627
Ion Ratio Lower Upper
117 100
82 51.1 44.8 67.2
119 30.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion:152 Resp: 71138
Ion Ratio Lower Upper
152 100
115 56.1 29.1 87.3
150 156.7 0.0 342.6

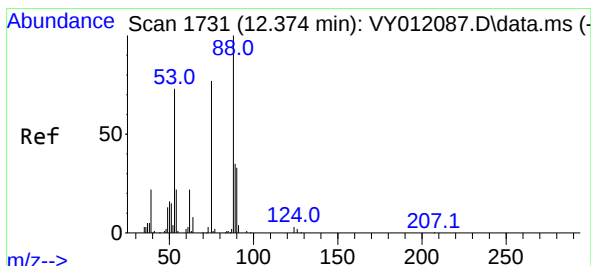
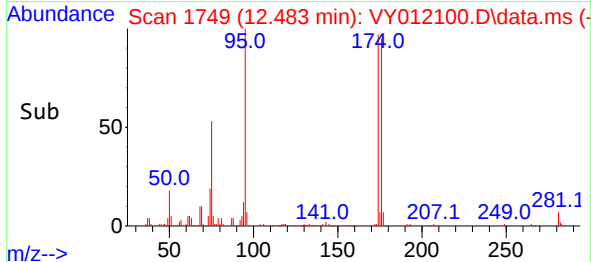
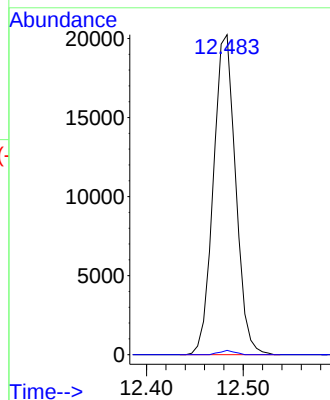
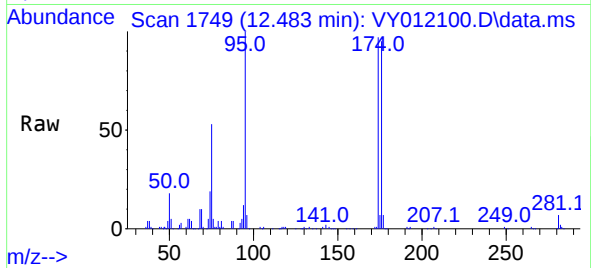




#76
1,2,3-Trichloropropane
Concen: 39.813 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

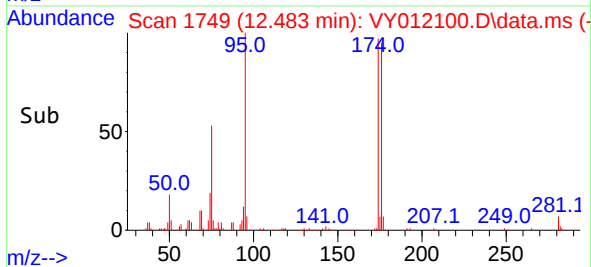
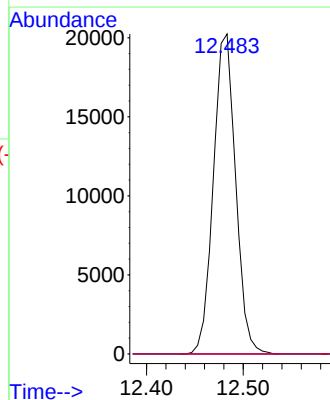
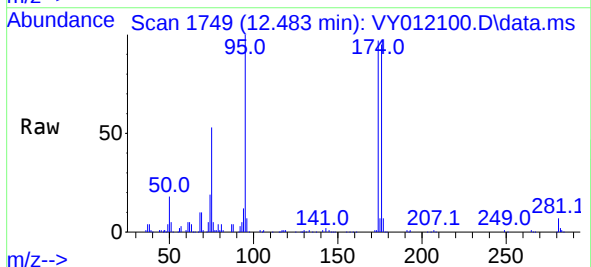
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

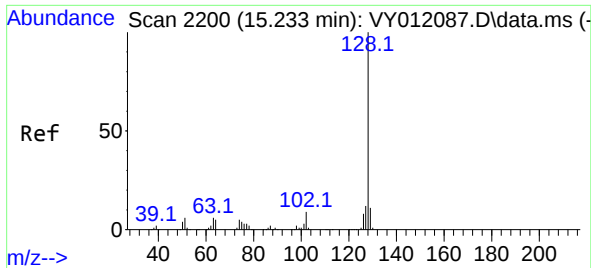
Tgt Ion: 75 Resp: 32338
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.418 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012100.D
Acq: 06 Jan 2023 18:35

Tgt Ion: 75 Resp: 32338
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 7.123 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012100.D

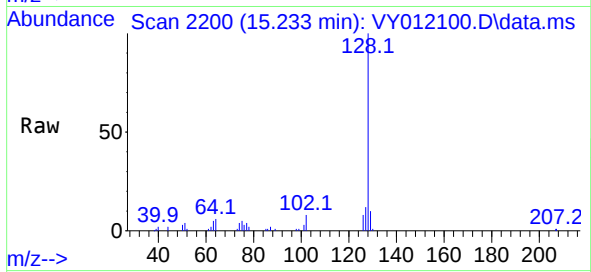
Acq: 06 Jan 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-228



Tgt Ion:128 Resp: 21072

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.6 8.8 13.2

