

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012565.D
 Acq On : 09 Feb 2023 14:45
 Operator : KP/MD
 Sample : 01513-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208

Quant Time: Feb 10 05:59:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

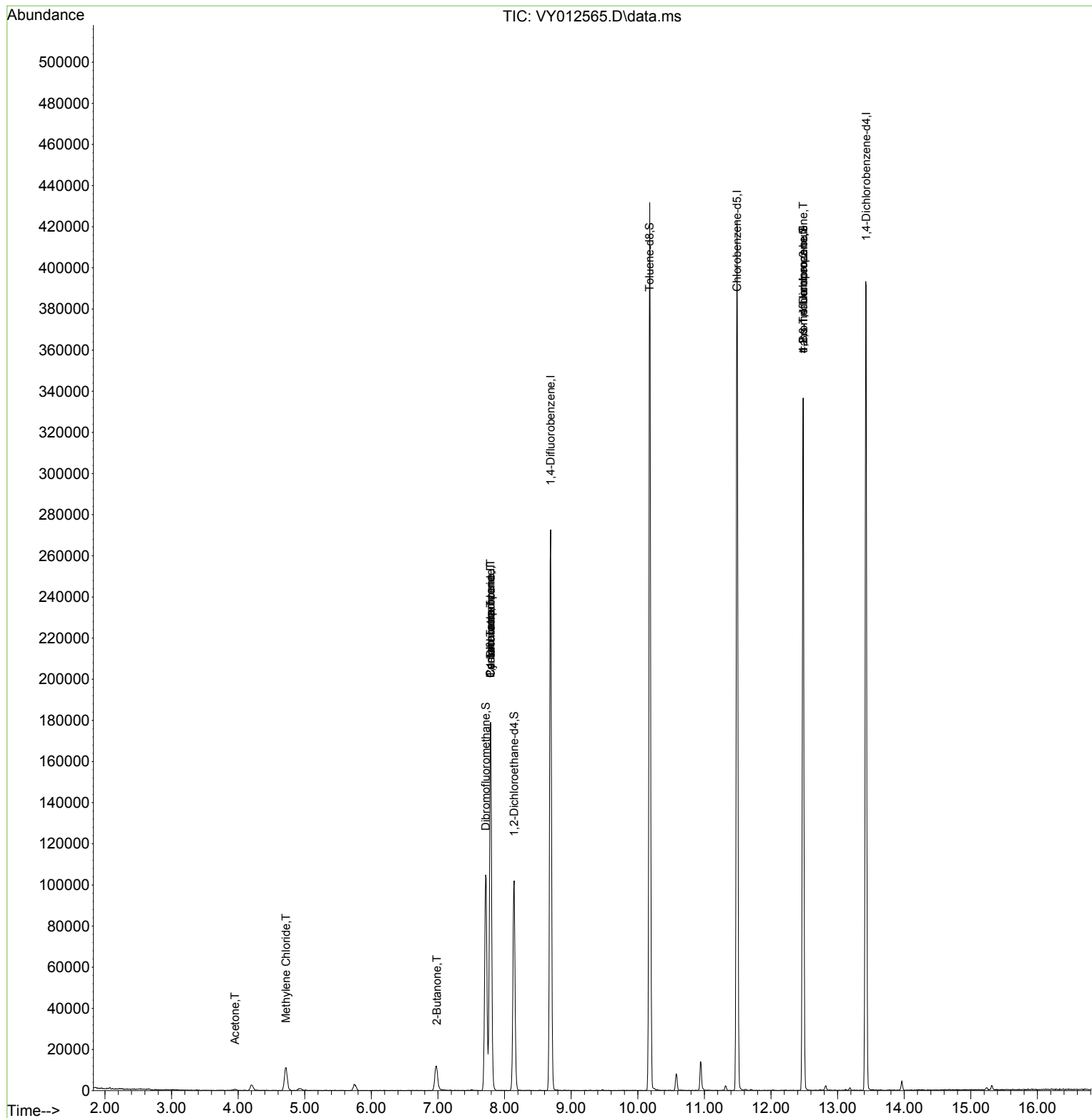
Internal Standards						
1) Pentafluorobenzene	7.789	168	141728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	239307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83758	46.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.940%
35) Dibromofluoromethane	7.716	113	71896	41.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.340%
50) Toluene-d8	10.179	98	285829	39.326	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.660%
62) 4-Bromofluorobenzene	12.483	95	94805	37.396	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	105	Below Cal		89
11) Tert butyl alcohol	4.942	59	1292	Below Cal	#	75
16) Acetone	3.954	43	1148	2.647	ug/l	97
20) Methylene Chloride	4.716	84	9421	1.744	ug/l	90
25) 2-Butanone	6.984	43	610	1.267	ug/l #	40
31) Cyclohexane	7.789	56	2449	1.175	ug/l #	33
36) 1,1-Dichloropropene	7.789	75	9766	4.132	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13369	4.214	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	49664	39.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49664	89.042	ug/l #	12

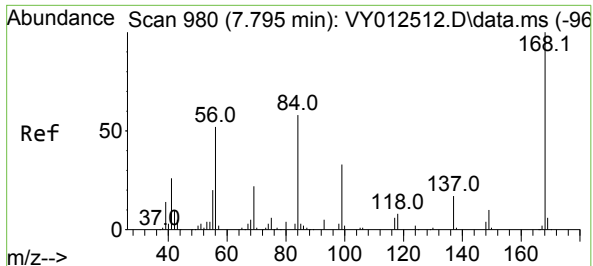
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
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QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

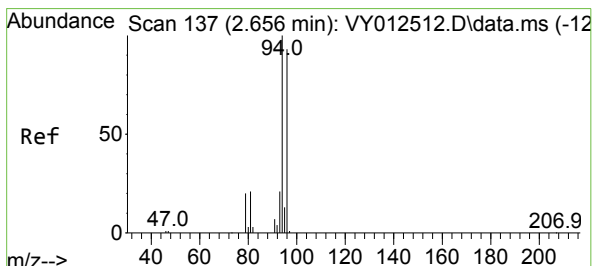
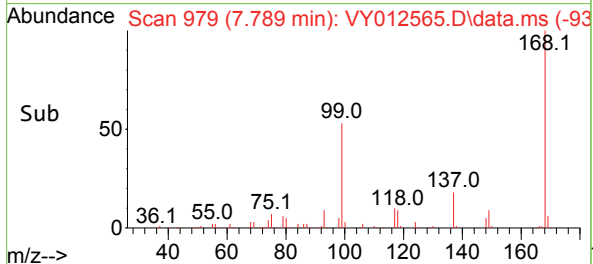
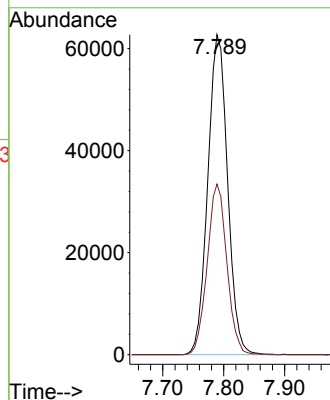
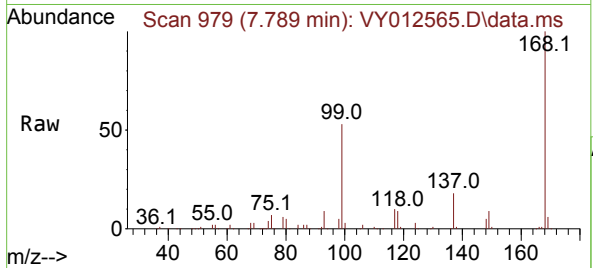




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

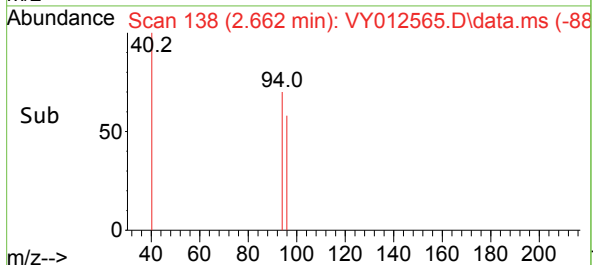
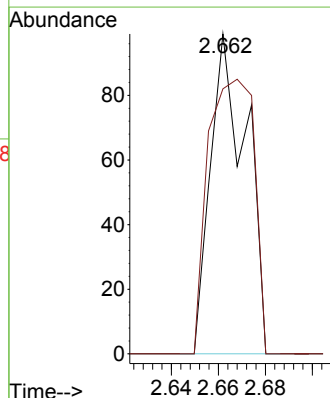
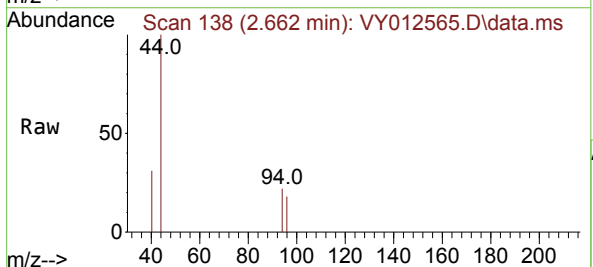
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

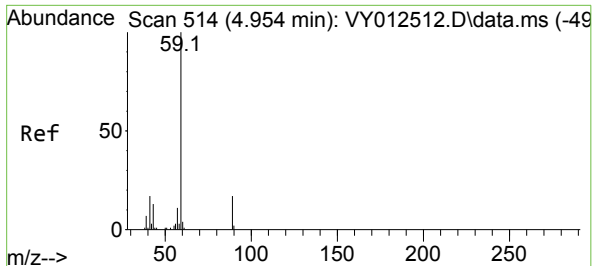
Tgt Ion:168 Resp: 141728
Ion Ratio Lower Upper
168 100
99 53.3 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 82.8 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

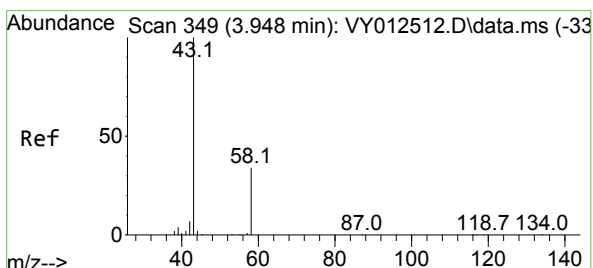
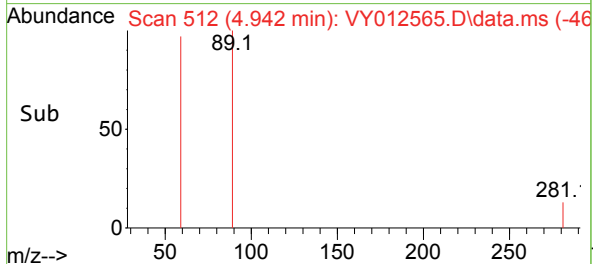
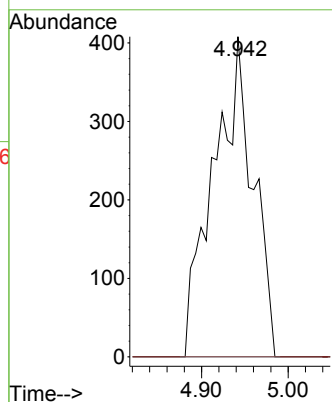
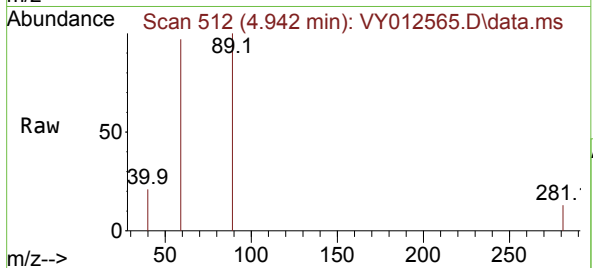
VNJ-208

Tgt Ion: 59 Resp: 1292

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 2.647 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY012565.D

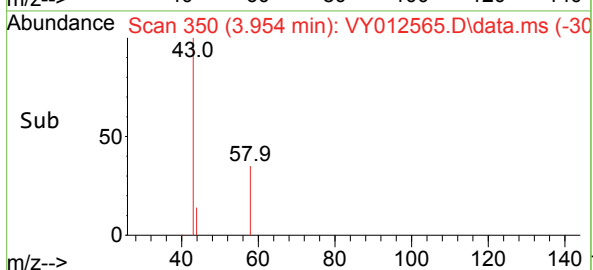
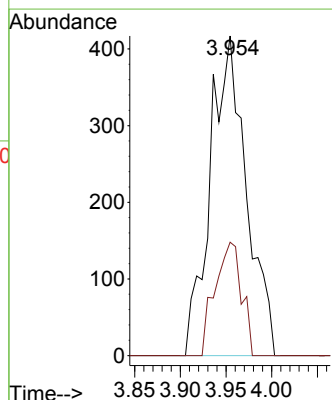
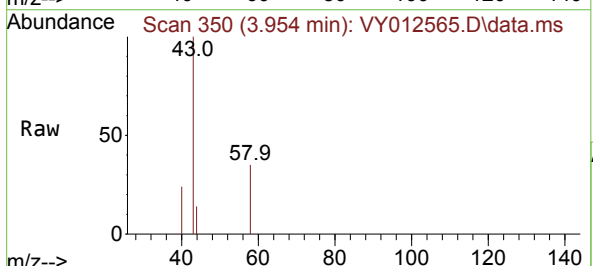
Acq: 09 Feb 2023 14:45

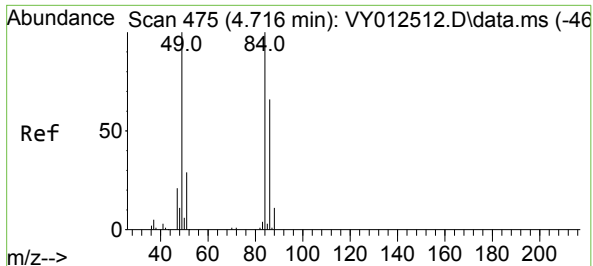
Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

58 35.5 27.1 40.7





#20

Methylene Chloride

Concen: 1.744 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208

Tgt Ion: 84 Resp: 9421

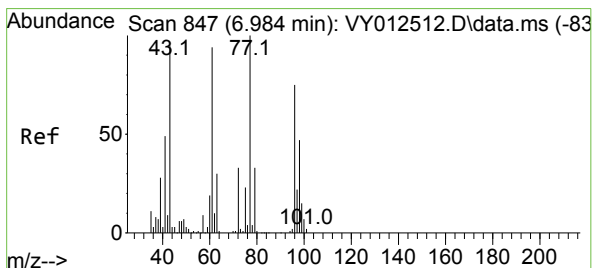
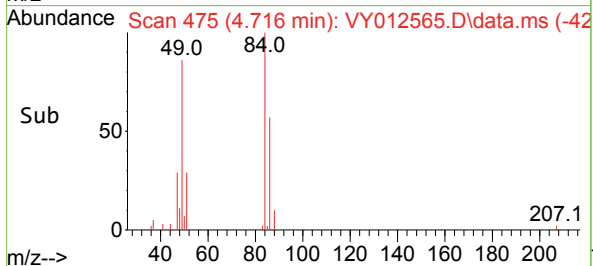
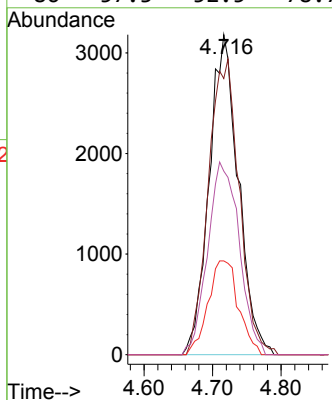
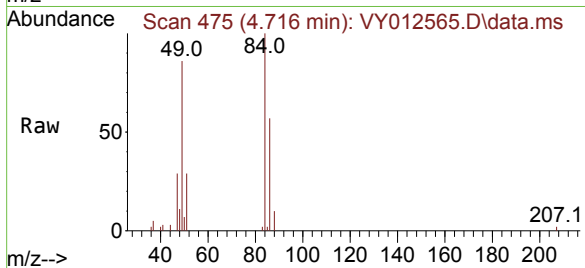
Ion Ratio Lower Upper

84 100

49 86.3 79.8 119.6

51 29.3 23.4 35.2

86 57.3 52.5 78.7



#25

2-Butanone

Concen: 1.267 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012565.D

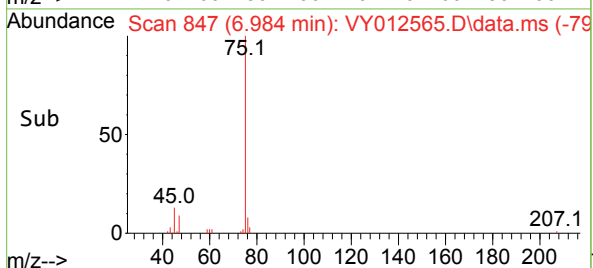
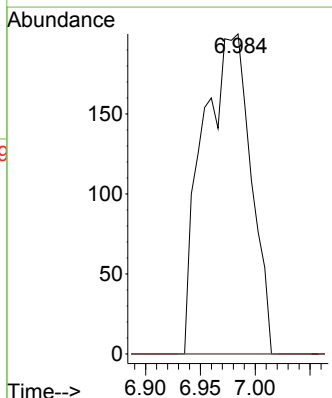
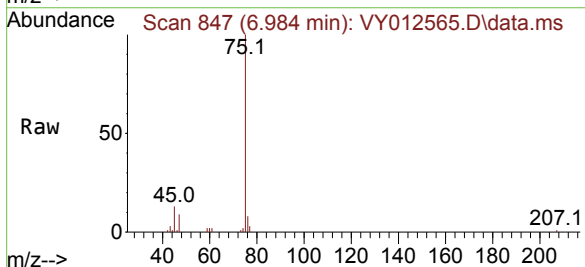
Acq: 09 Feb 2023 14:45

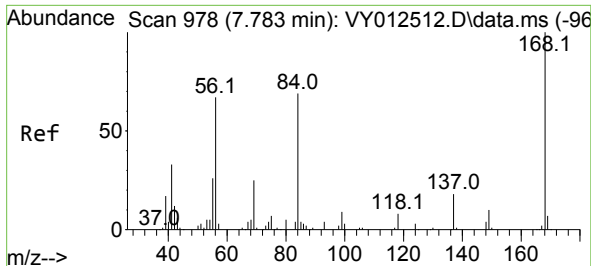
Tgt Ion: 43 Resp: 610

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#

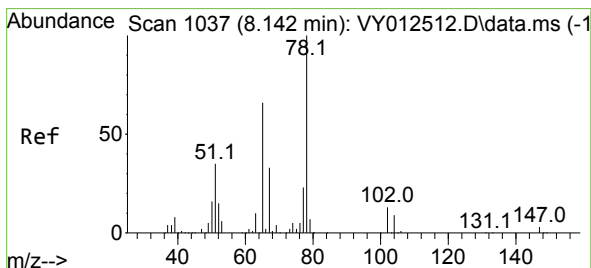
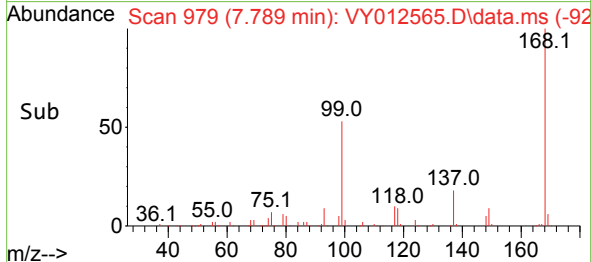
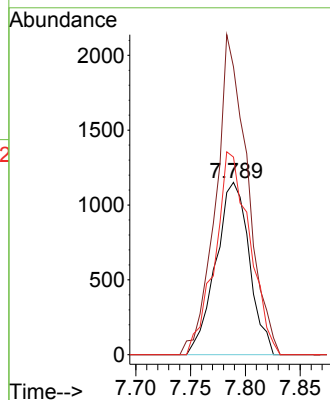
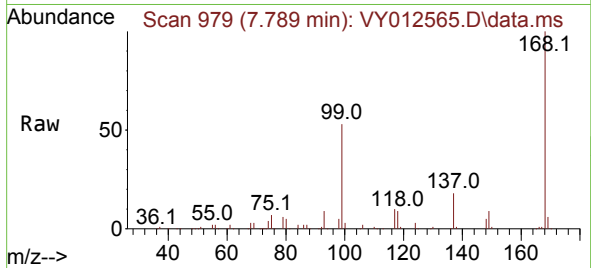




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

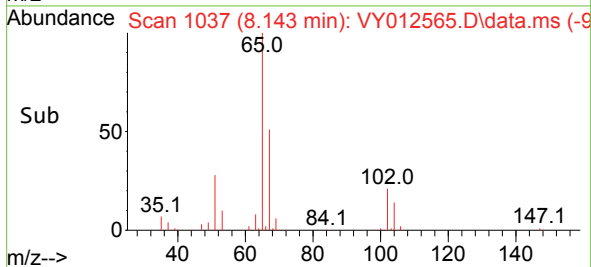
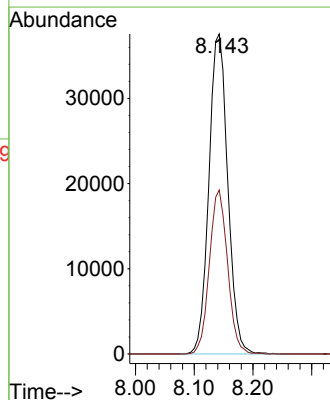
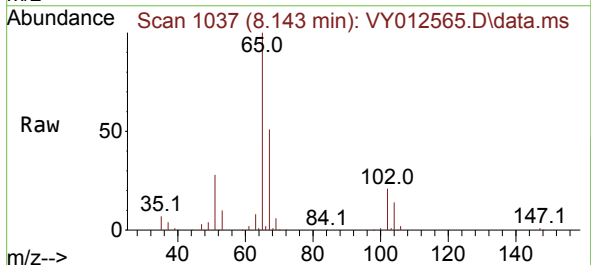
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

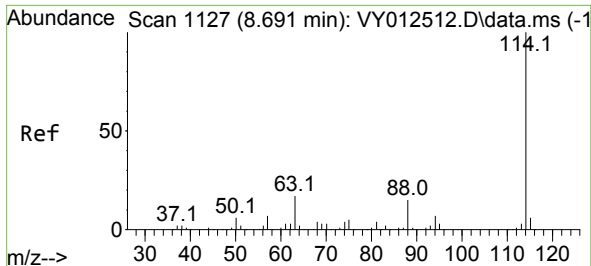
Tgt Ion: 56 Resp: 2449
Ion Ratio Lower Upper
56 100
69 167.1 29.5 44.3#
84 114.7 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 46.474 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

Tgt Ion: 65 Resp: 83758
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.6

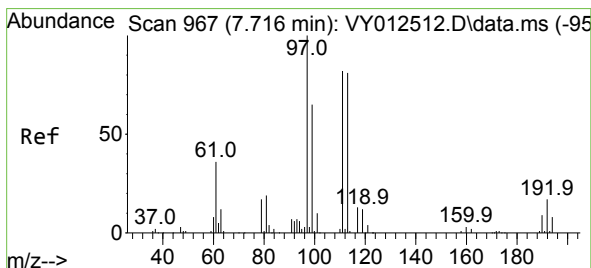
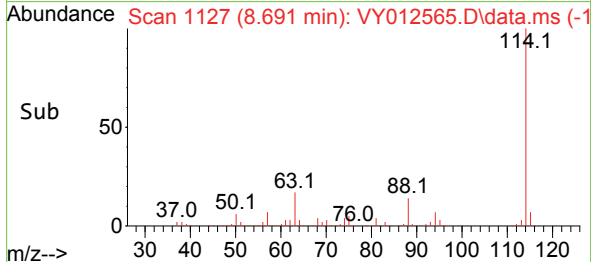
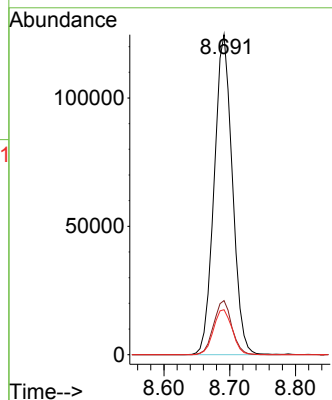
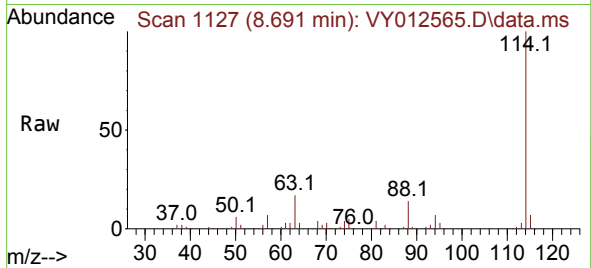




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

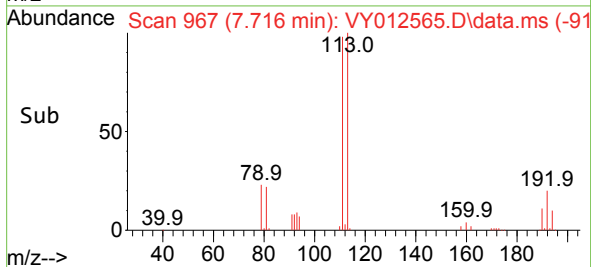
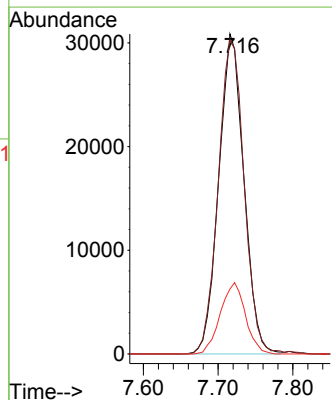
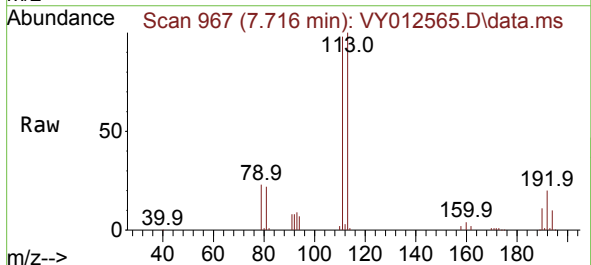
Instrument :
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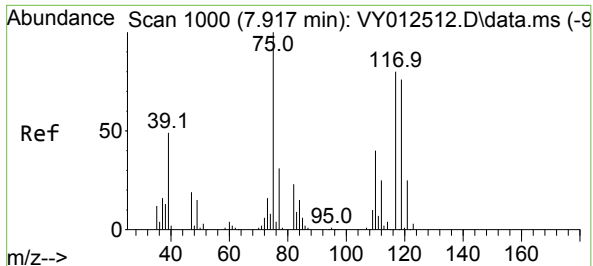
Tgt Ion:114 Resp: 239775
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.6
88 14.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 41.173 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

Tgt Ion:113 Resp: 71896
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 22.4 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.132 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208

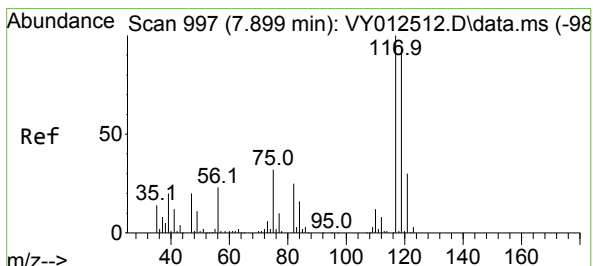
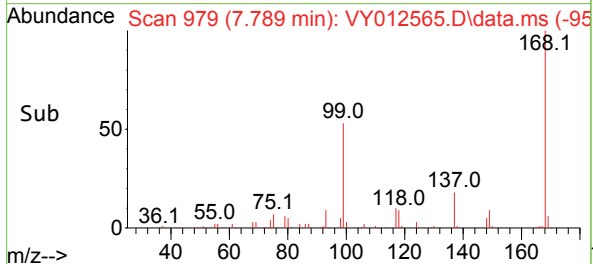
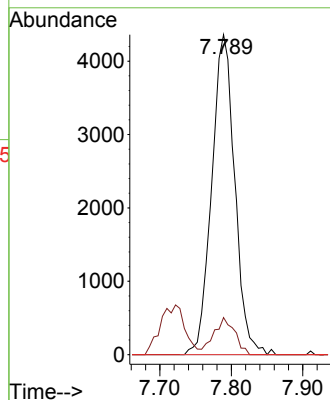
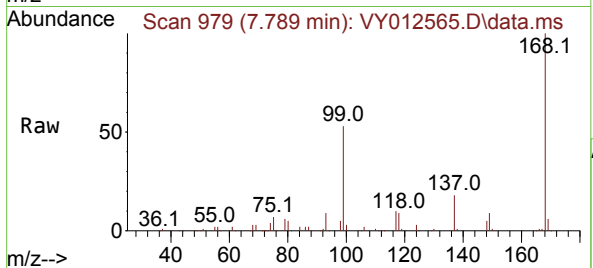
Tgt Ion: 75 Resp: 9766

Ion Ratio Lower Upper

75 100

110 10.4 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.214 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

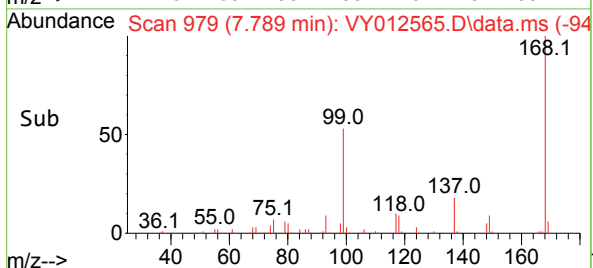
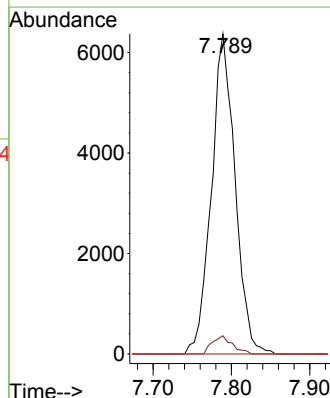
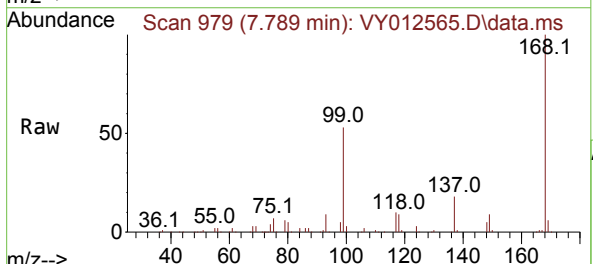
Tgt Ion: 117 Resp: 13369

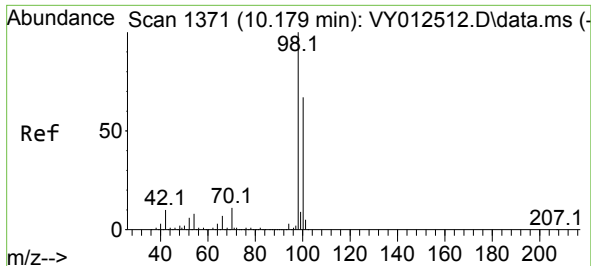
Ion Ratio Lower Upper

117 100

119 5.7 75.1 112.7#

121 0.0 24.3 36.5#

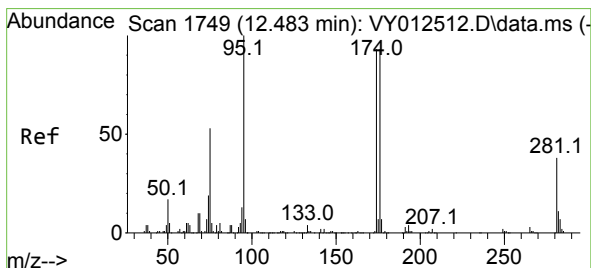
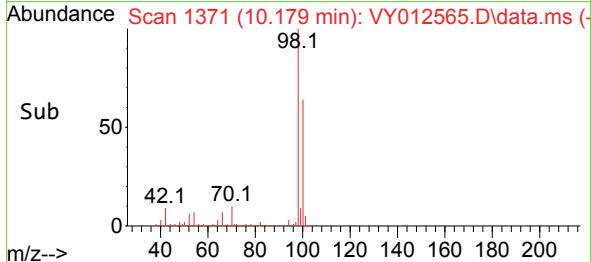
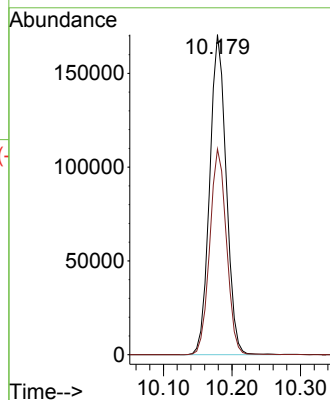
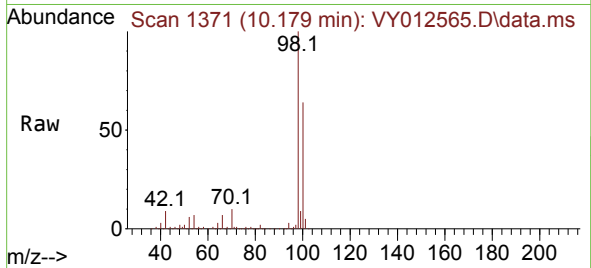




#50
Toluene-d8
Concen: 39.326 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

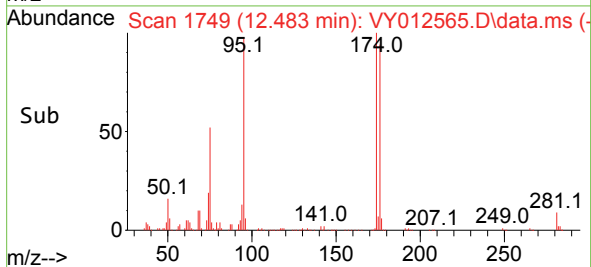
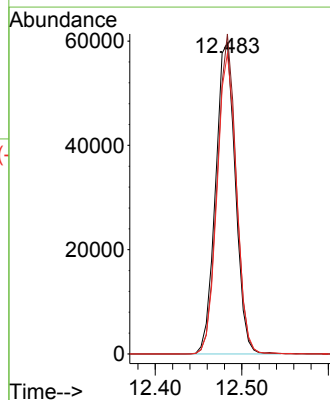
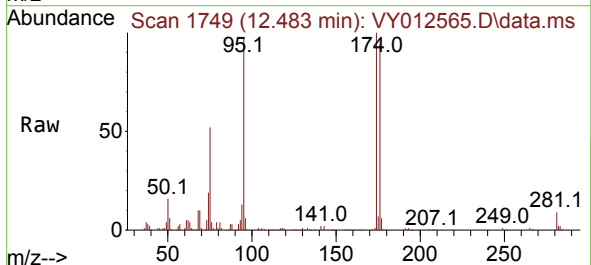
Instrument :
MSVOA_Y
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VNJ-208

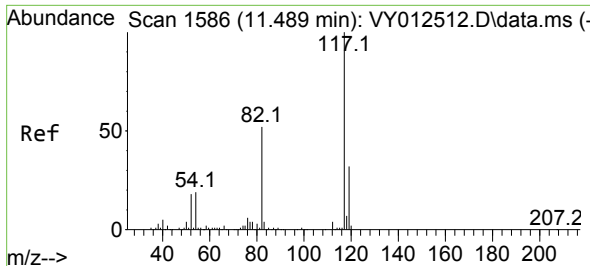
Tgt Ion: 98 Resp: 285829
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.396 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

Tgt Ion: 95 Resp: 94805
Ion Ratio Lower Upper
95 100
174 98.1 0.0 188.0
176 94.7 0.0 183.6

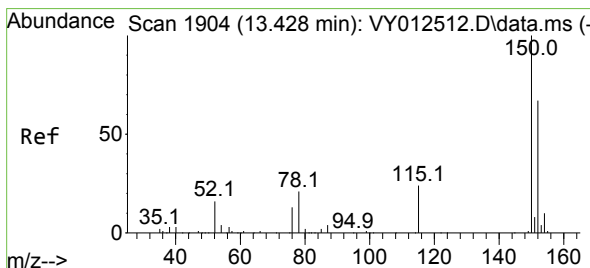
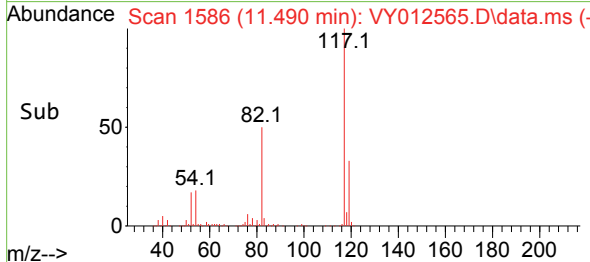
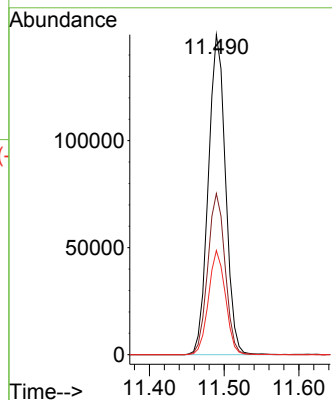
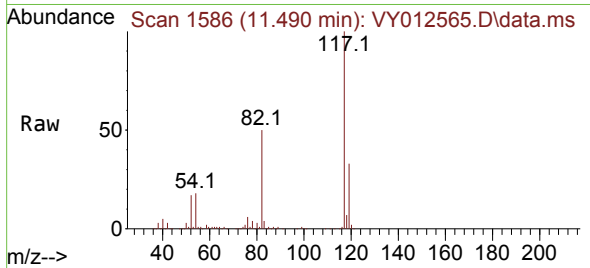




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

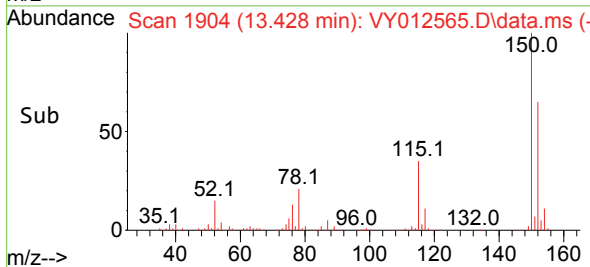
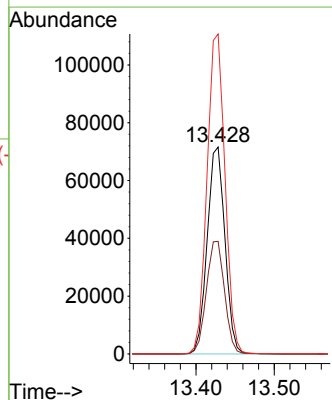
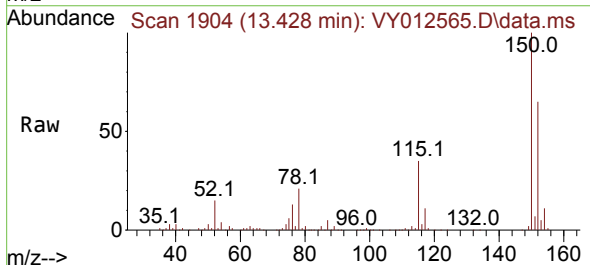
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

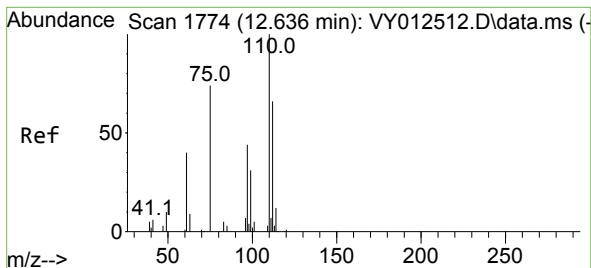
Tgt Ion:117 Resp: 239307
Ion Ratio Lower Upper
117 100
82 50.4 41.7 62.5
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012565.D
Acq: 09 Feb 2023 14:45

Tgt Ion:152 Resp: 112579
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.3
150 156.3 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 39.486 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

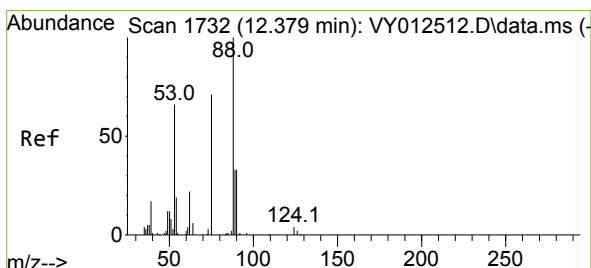
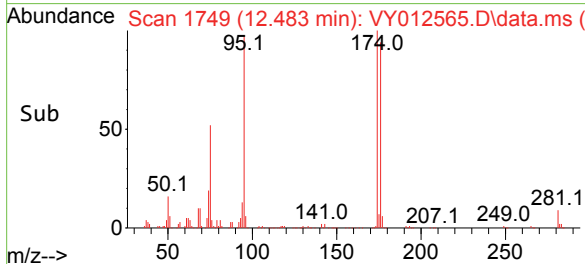
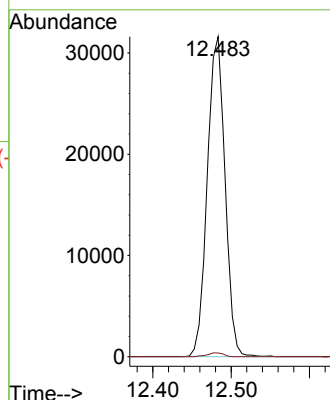
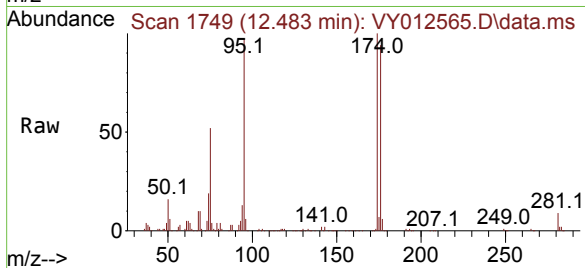
VNJ-208

Tgt Ion: 75 Resp: 49664

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.042 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY012565.D

Acq: 09 Feb 2023 14:45

Tgt Ion: 75 Resp: 49664

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 39.9 59.9#

