

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014603.D
 Acq On : 07 Jul 2023 17:43
 Operator : KP/MD
 Sample : 03555-07
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-203

Quant Time: Jul 08 03:47:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

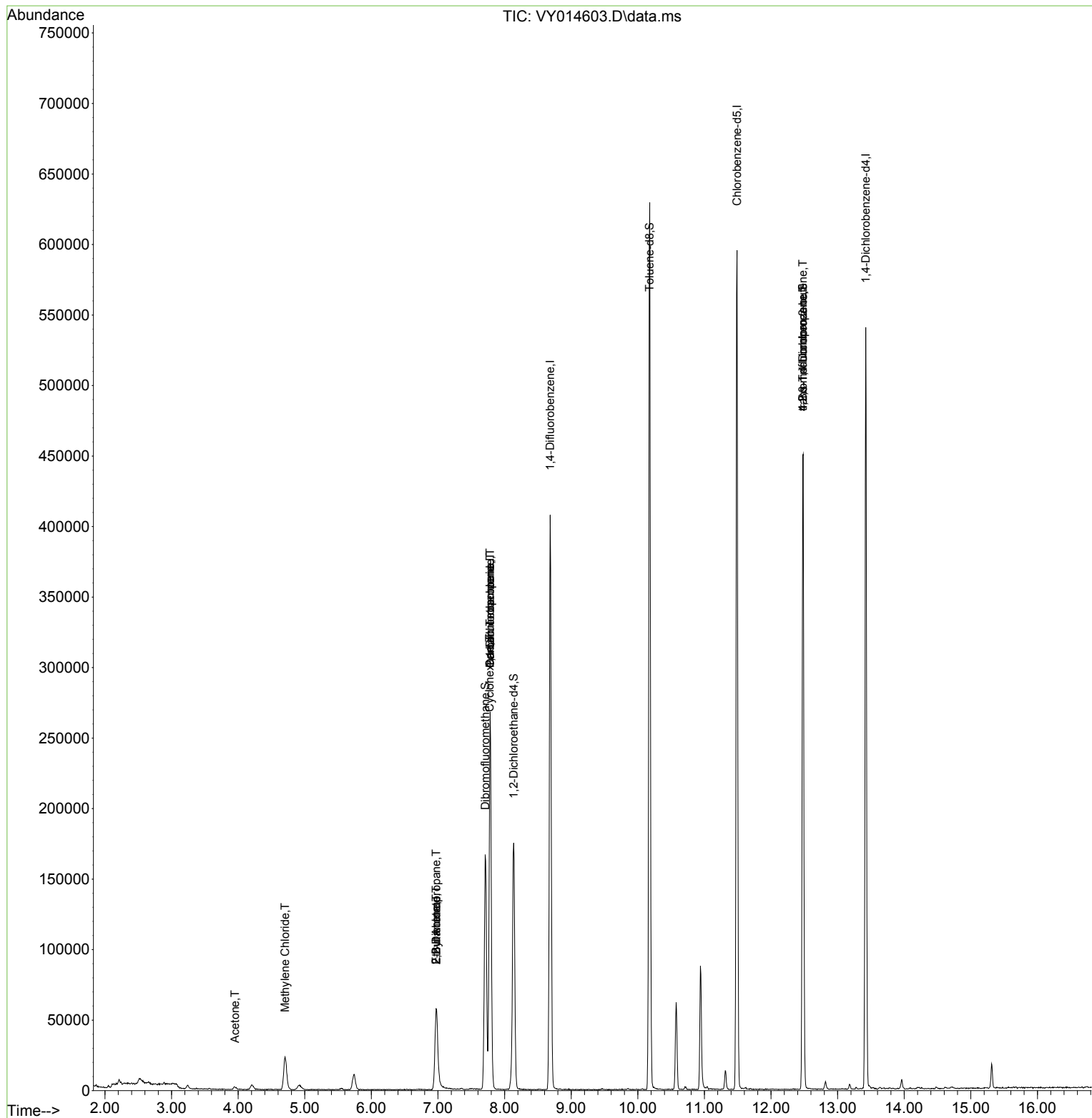
Internal Standards						
1) Pentafluorobenzene	7.783	168	215816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	351116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	338252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137790	64.181	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.360%			
35) Dibromofluoromethane	7.710	113	119101	55.083	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.160%			
50) Toluene-d8	10.179	98	425997	49.839	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.477	95	133074	44.836	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.680%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	202	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	3893	Below Cal	#	89
16) Acetone	3.954	43	3193	4.762	ug/l	91
20) Methylene Chloride	4.704	84	18079	2.555	ug/l #	85
25) 2-Butanone	6.972	43	3081	3.104	ug/l #	73
26) 2,2-Dichloropropane	6.972	77	4627	1.375	ug/l #	54
31) Cyclohexane	7.777	56	3988	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16161	4.881	ug/l #	48
37) Ethyl Acetate	6.972	43	3081	1.357	ug/l #	1
38) Carbon Tetrachloride	7.783	117	19383	5.608	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	65698	38.099	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65698	74.156	ug/l #	11

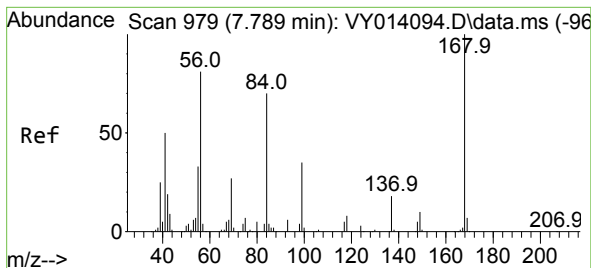
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY014603.D

Acq: 07 Jul 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

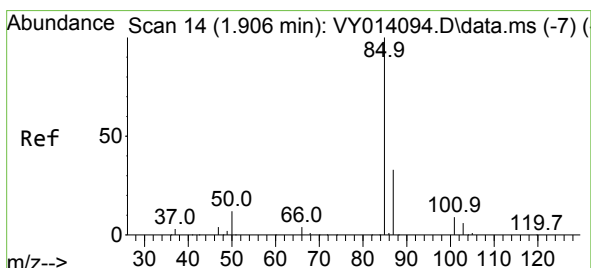
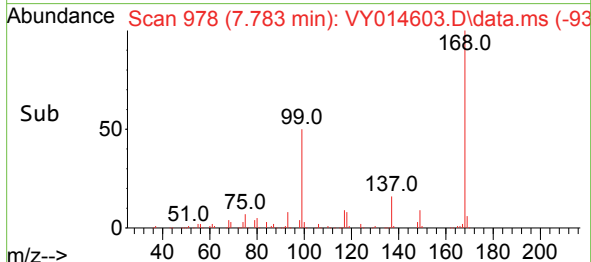
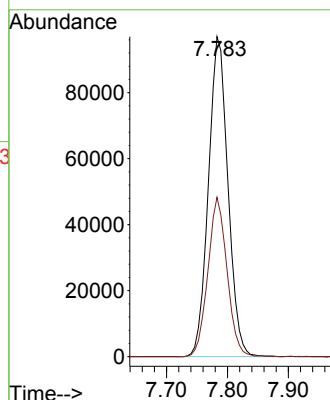
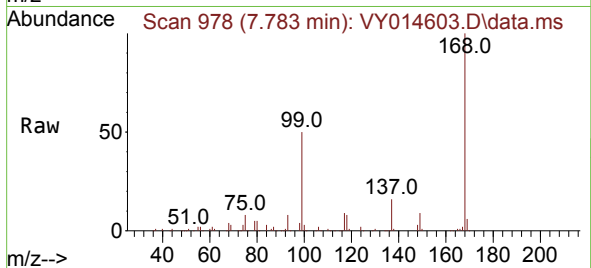
VNJ-203

Tgt Ion:168 Resp: 215816

Ion Ratio Lower Upper

168 100

99 49.8 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY014603.D

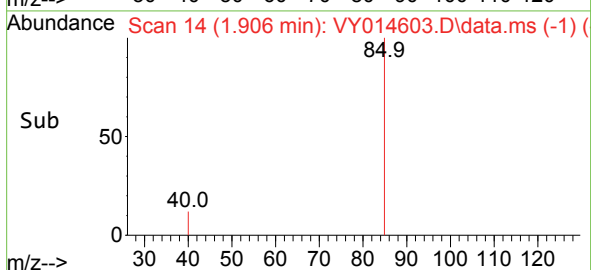
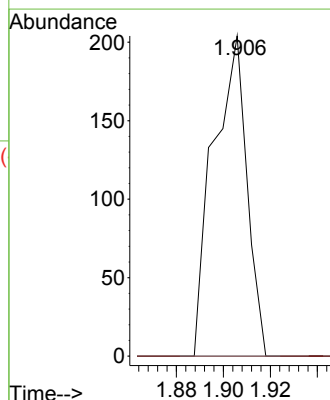
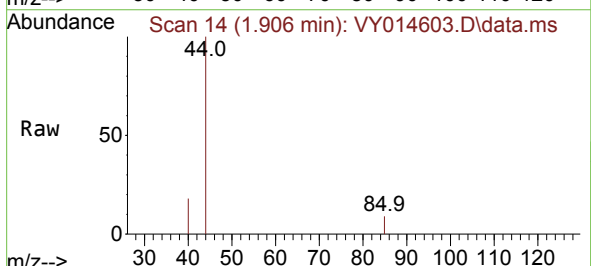
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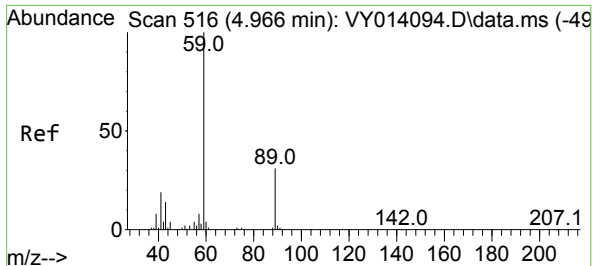
Tgt Ion: 85 Resp: 202

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.042 min

Lab File: VY014603.D

Acq: 07 Jul 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

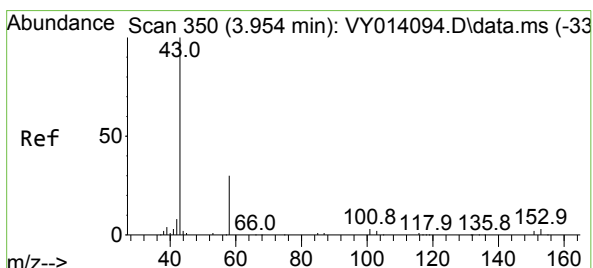
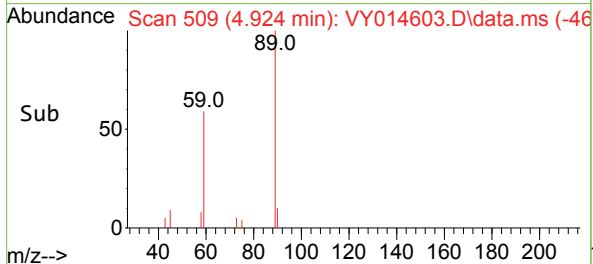
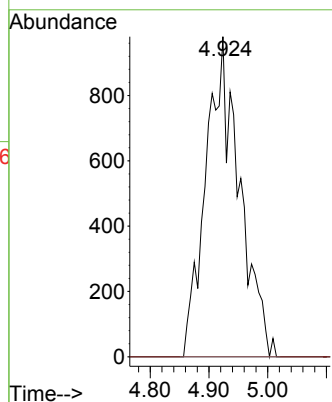
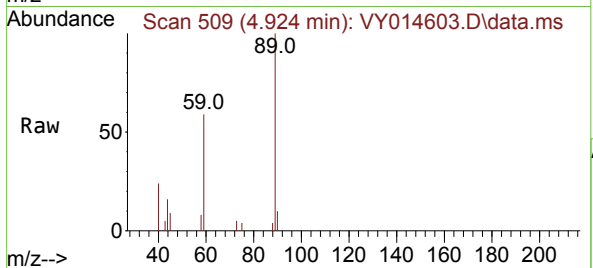
VNJ-203

Tgt Ion: 59 Resp: 3893

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 4.762 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY014603.D

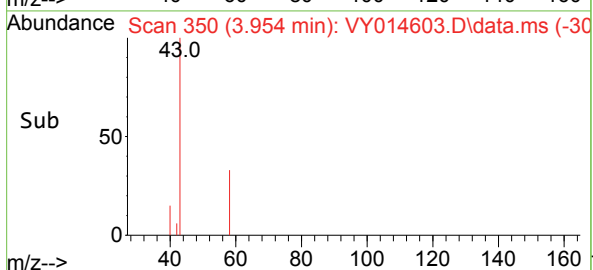
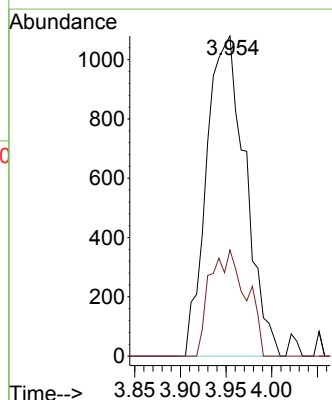
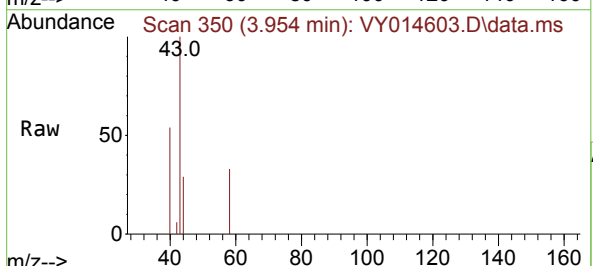
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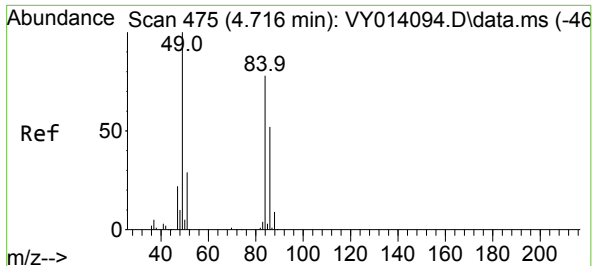
Tgt Ion: 43 Resp: 3193

Ion Ratio Lower Upper

43 100

58 33.1 22.7 34.1

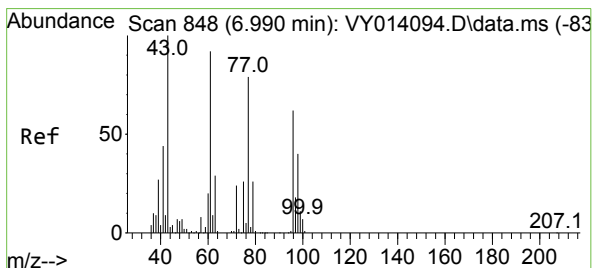
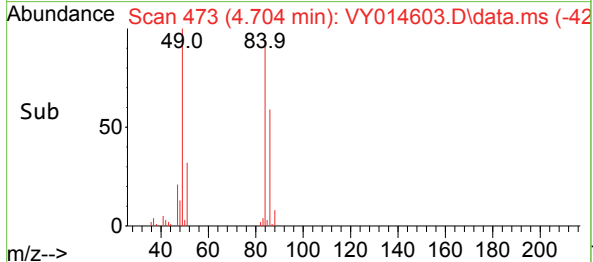
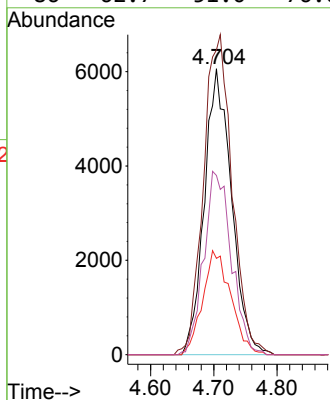
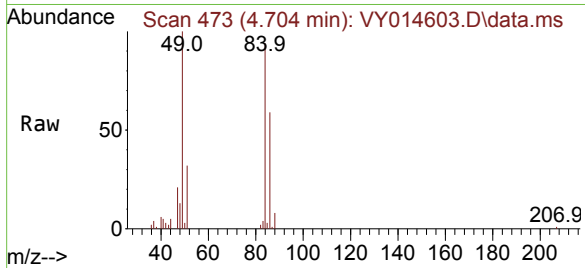




#20
Methylene Chloride
Concen: 2.555 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

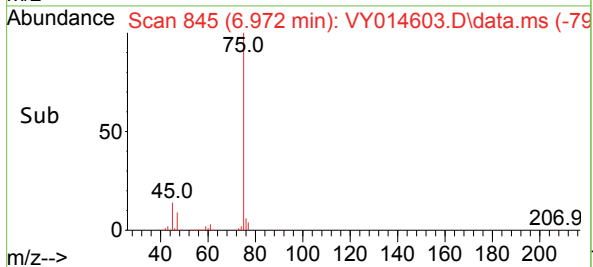
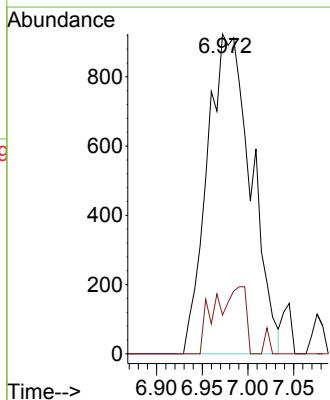
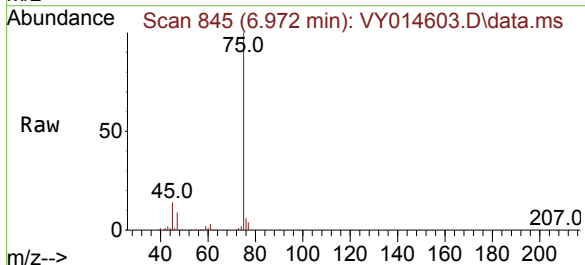
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

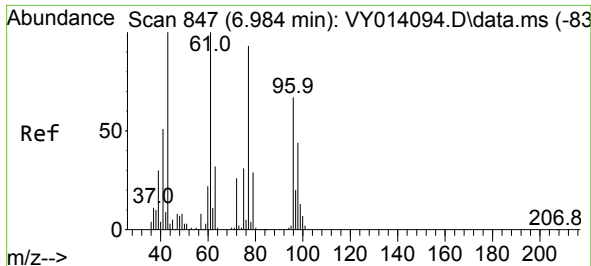
Tgt Ion: 84 Resp: 18079
Ion Ratio Lower Upper
84 100
49 106.6 106.9 160.3#
51 33.7 33.2 49.8
86 62.7 51.0 76.6



#25
2-Butanone
Concen: 3.104 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
72 12.1 20.5 30.7#

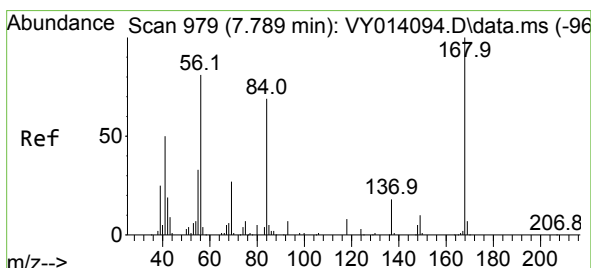
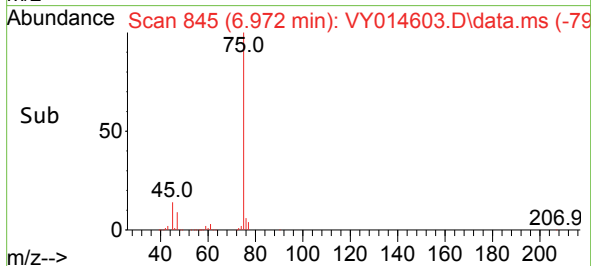
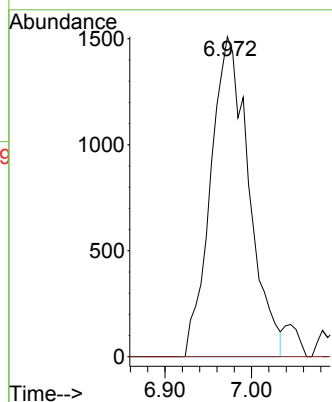
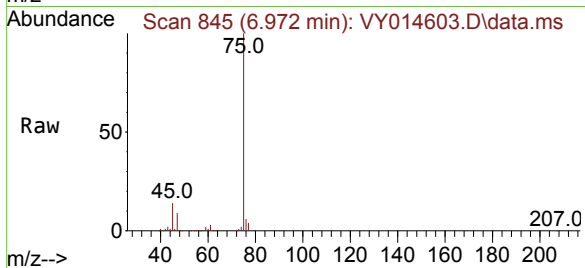




#26
2,2-Dichloropropane
Concen: 1.375 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

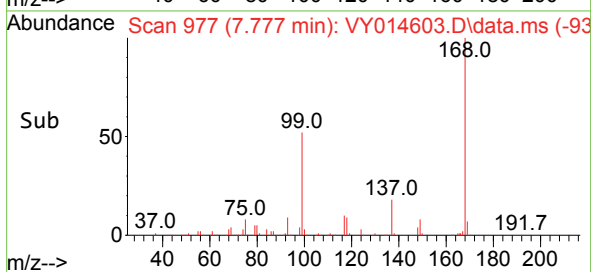
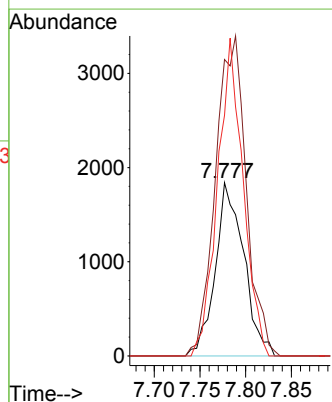
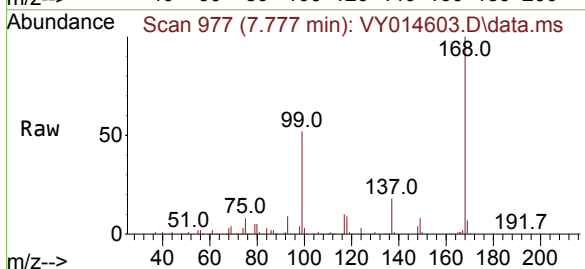
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

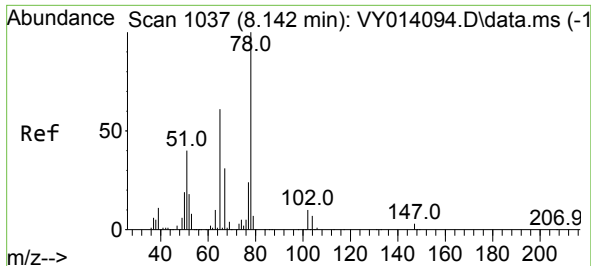
Tgt Ion: 77 Resp: 4627
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 56 Resp: 3988
Ion Ratio Lower Upper
56 100
69 171.0 27.8 41.6#
84 138.8 66.4 99.6#

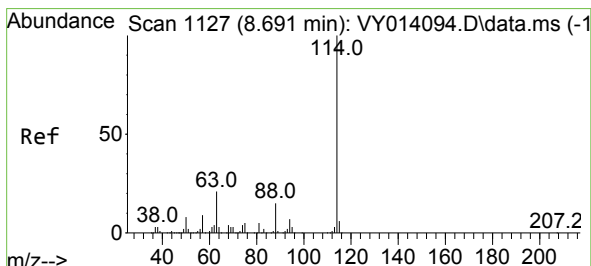
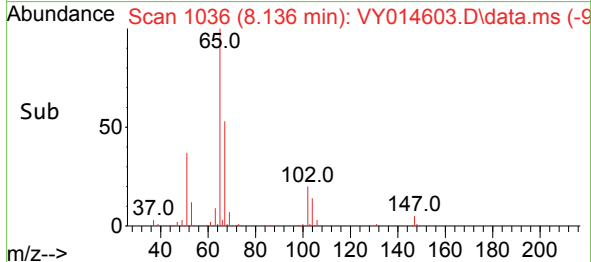
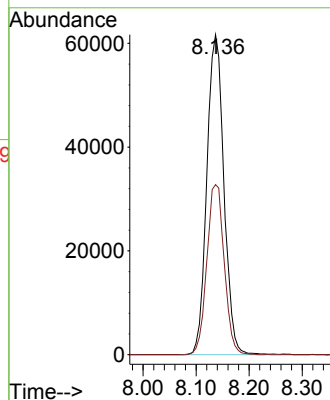
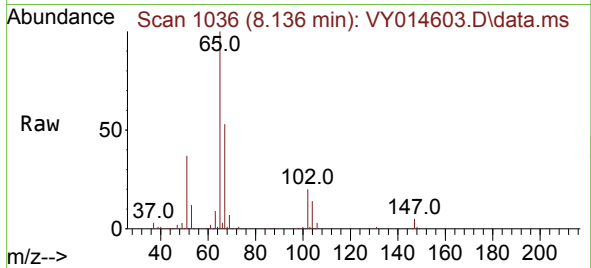




#33
 1,2-Dichloroethane-d4
 Concen: 64.181 ug/l
 RT: 8.136 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY014603.D
 Acq: 07 Jul 2023 17:43

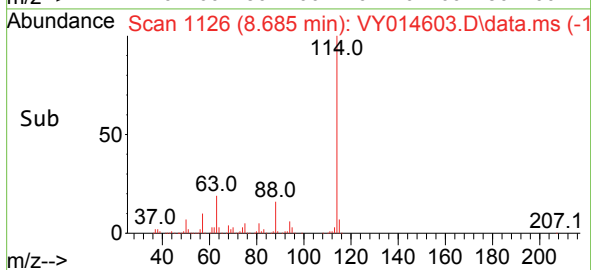
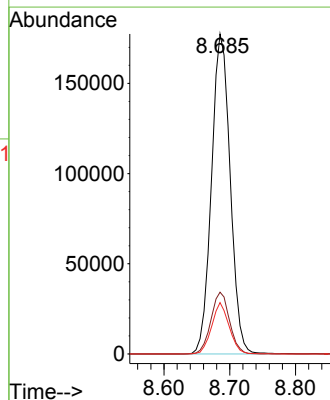
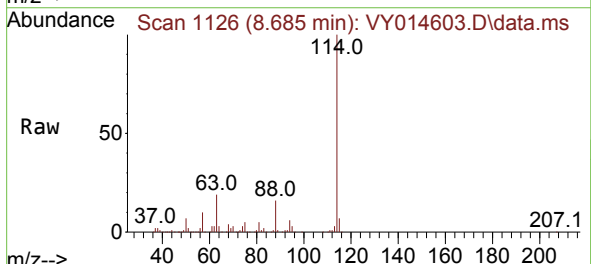
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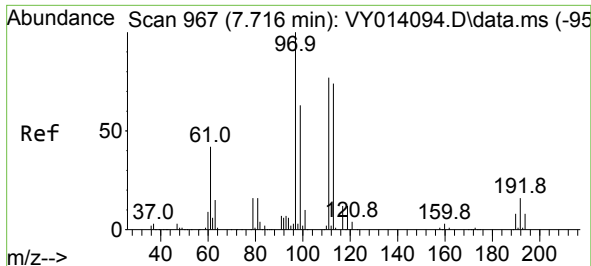
Tgt Ion: 65 Resp: 137790
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014603.D
 Acq: 07 Jul 2023 17:43

Tgt Ion: 114 Resp: 351116
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 16.1 0.0 30.6

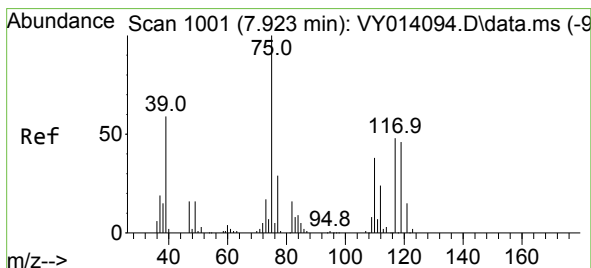
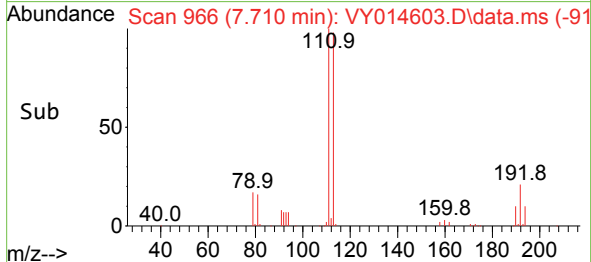
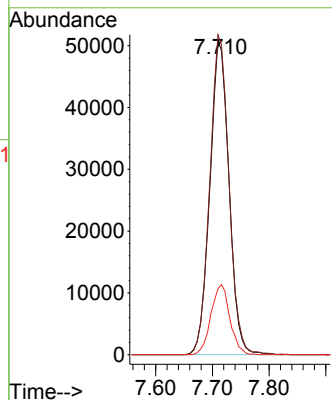
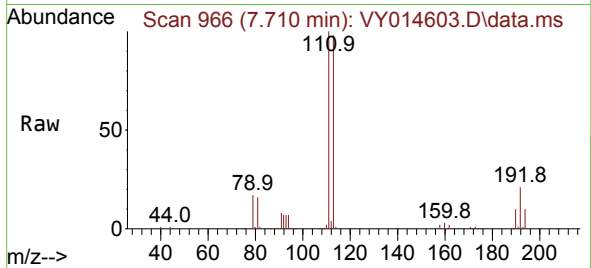




#35
Dibromofluoromethane
Concen: 55.083 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

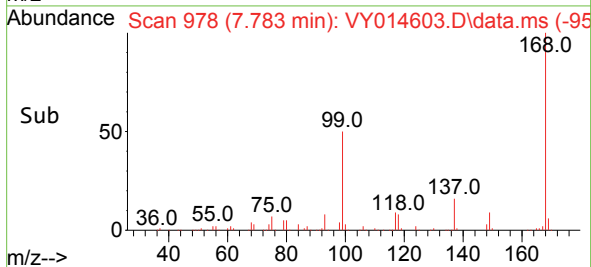
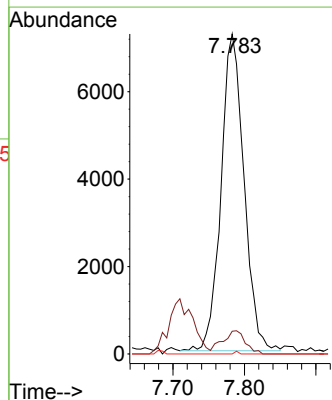
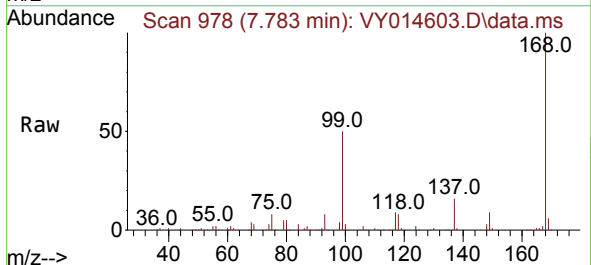
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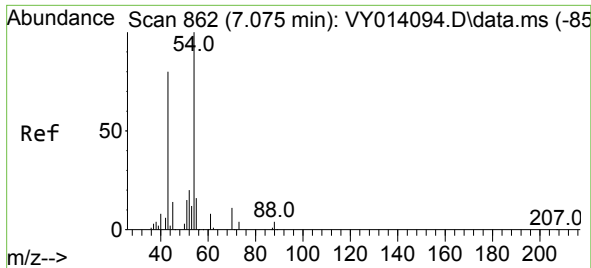
Tgt Ion:113 Resp: 119101
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 75 Resp: 16161
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.5#
77 0.1 24.4 36.6#

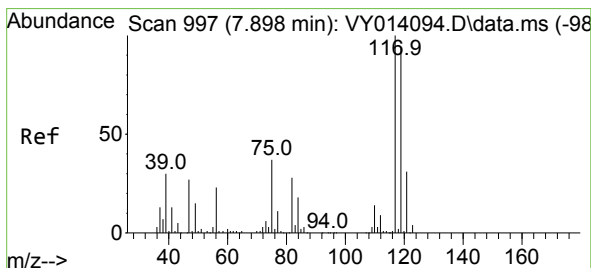
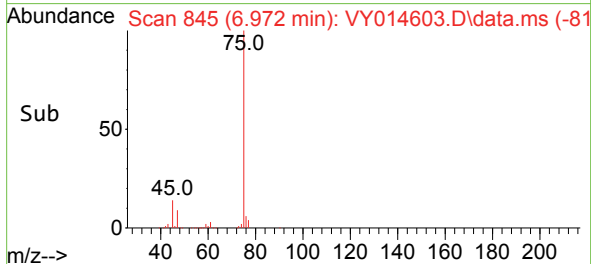
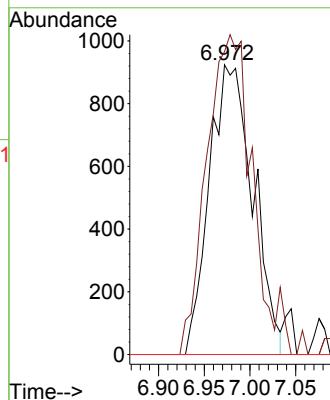
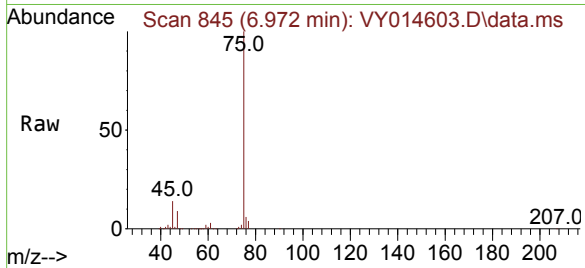




#37
Ethyl Acetate
Concen: 1.357 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.103 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

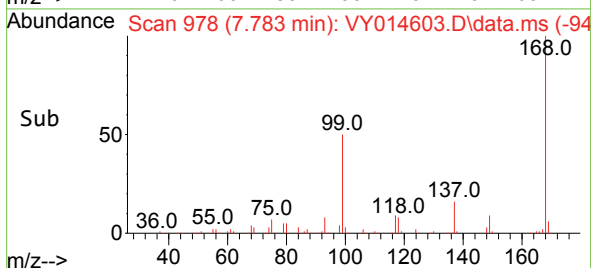
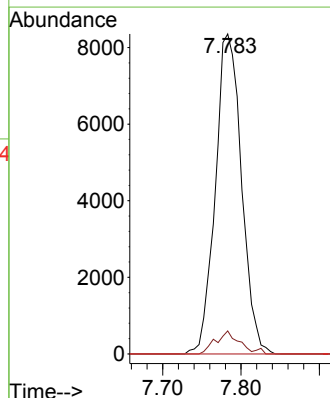
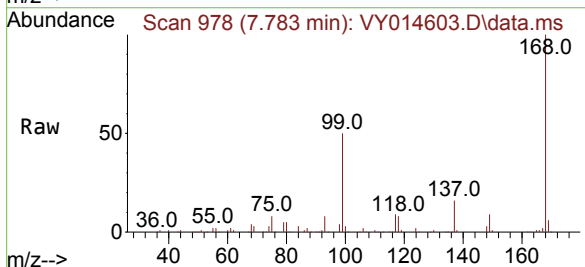
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

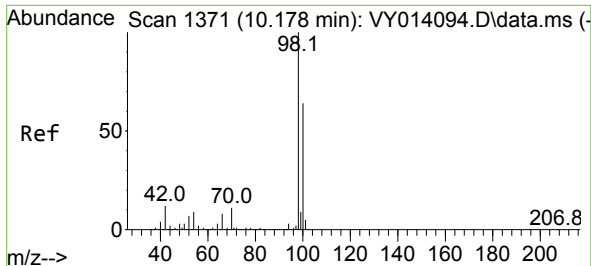
Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
61 111.7 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 117 Resp: 19383
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#

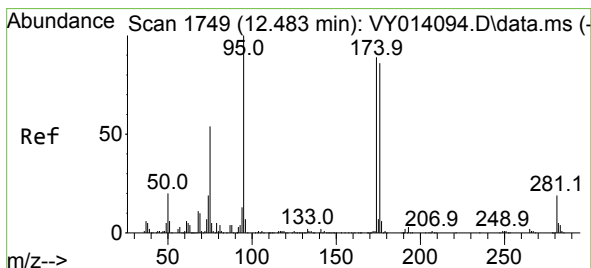
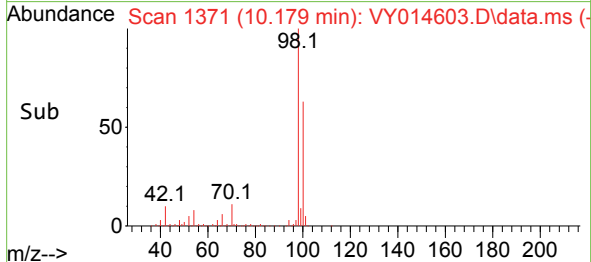
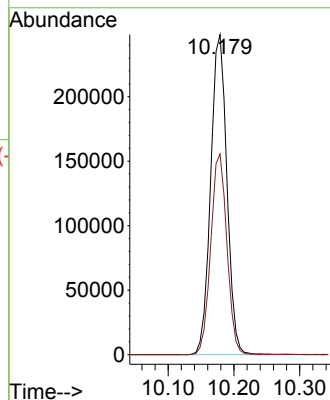
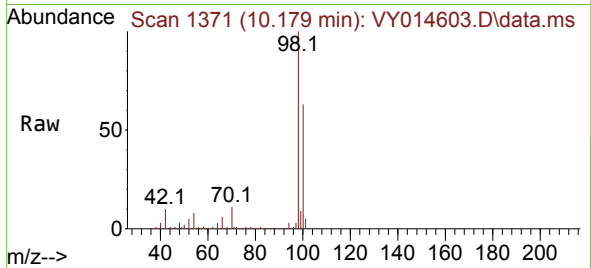




#50
Toluene-d8
Concen: 49.839 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

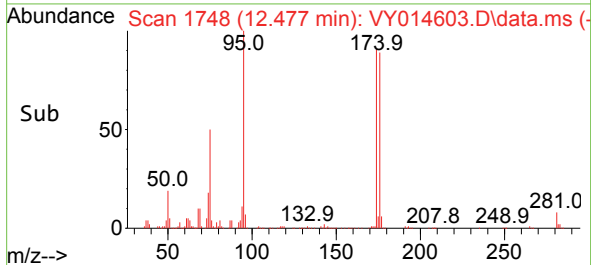
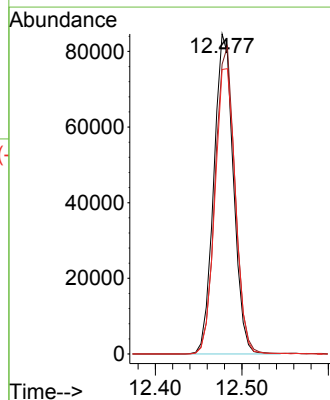
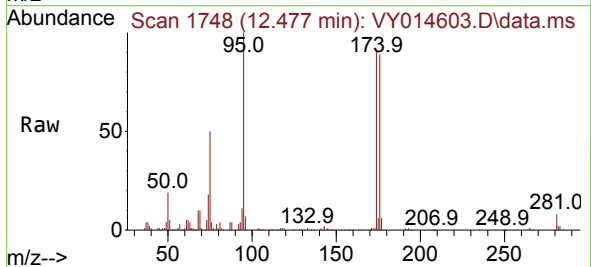
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

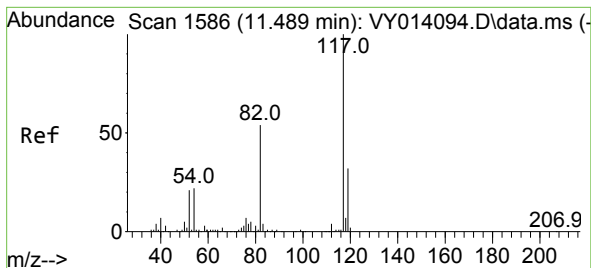
Tgt Ion: 98 Resp: 425997
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.836 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 95 Resp: 133074
Ion Ratio Lower Upper
95 100
174 97.1 0.0 178.2
176 93.3 0.0 173.8

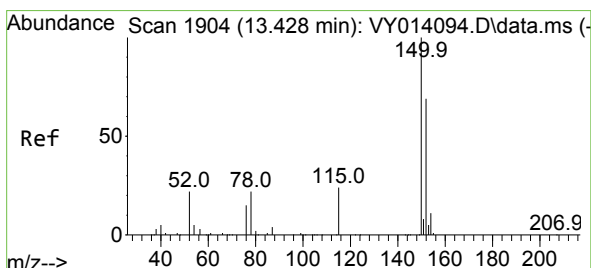
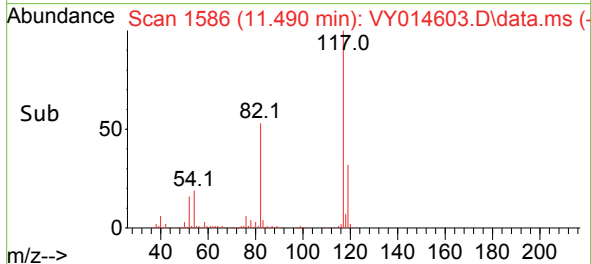
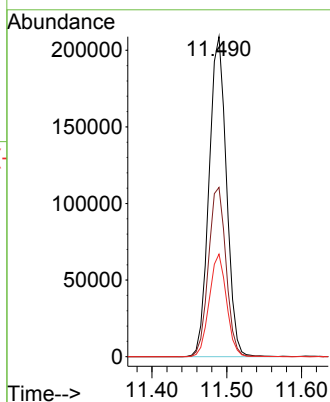
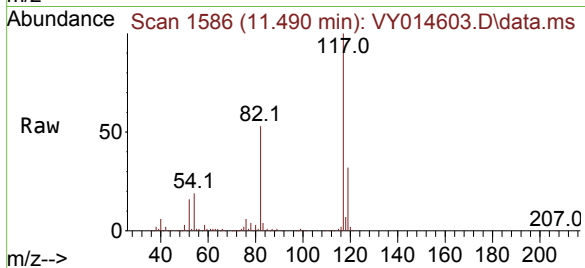




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

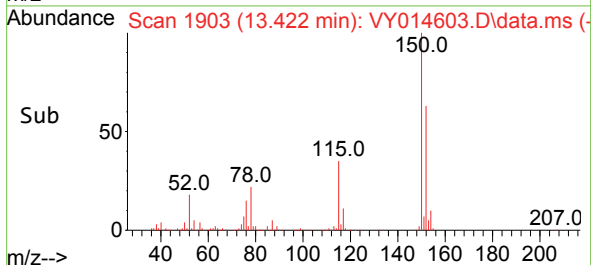
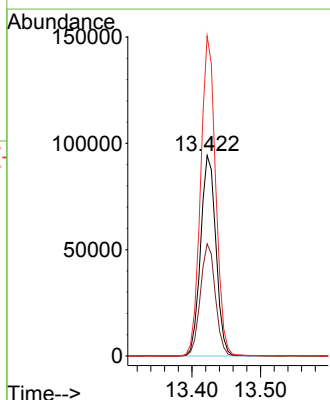
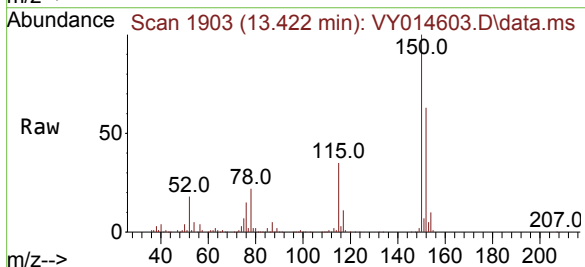
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

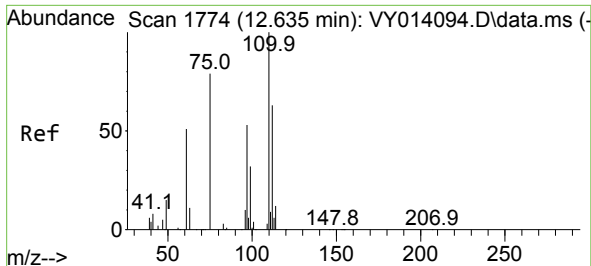
Tgt Ion:117 Resp: 338252
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion:152 Resp: 146951
Ion Ratio Lower Upper
152 100
115 54.8 28.8 86.5
150 156.7 0.0 348.8

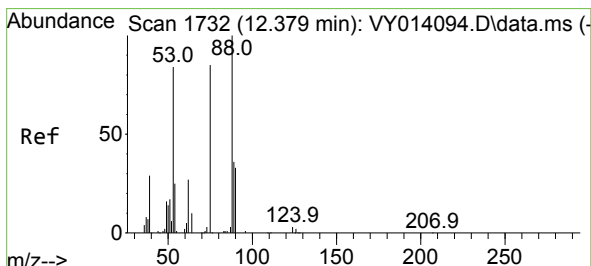
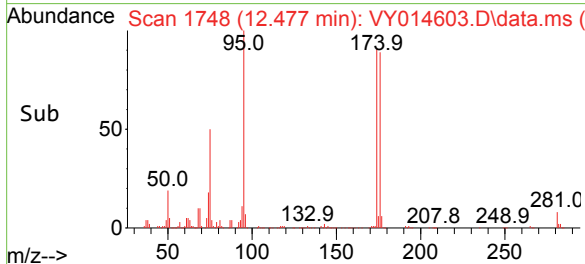
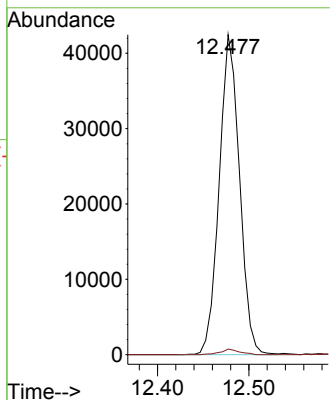
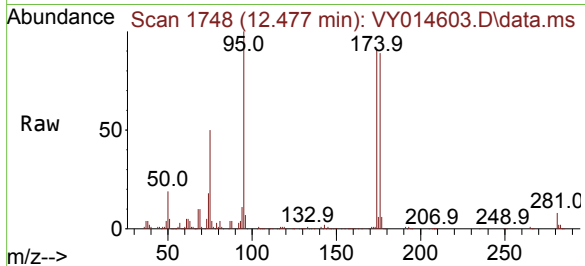




#76
1,2,3-Trichloropropane
Concen: 38.099 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-203

Tgt Ion: 75 Resp: 65698
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.156 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014603.D
Acq: 07 Jul 2023 17:43

Tgt Ion: 75 Resp: 65698
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

