

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010238.D
 Acq On : 31 Aug 2022 12:23
 Operator : KP/MD
 Sample : N4397-01
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-216

Quant Time: Aug 31 14:45:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

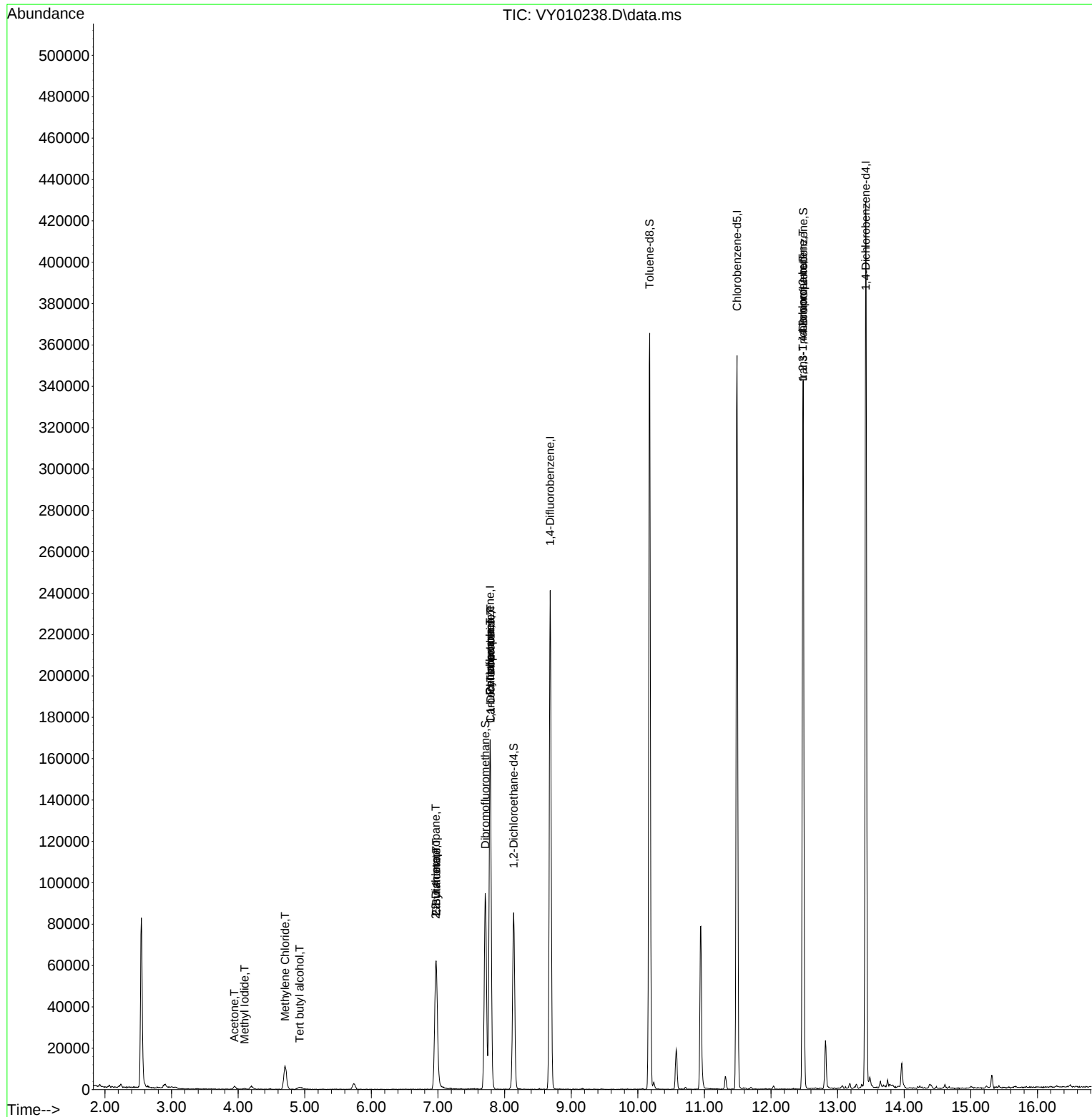
Internal Standards						
1) Pentafluorobenzene	7.783	168	141329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	217969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69228	58.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.620%	
35) Dibromofluoromethane	7.709	113	66000	52.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.179	98	246457	53.006	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.020%	
62) 4-Bromofluorobenzene	12.483	95	96923	55.812	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.620%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	619	1.788	ug/l #	71
11) Tert butyl alcohol	4.923	59	853	7.165	ug/l #	77
16) Acetone	3.942	43	2554	10.208	ug/l	90
20) Methylene Chloride	4.704	84	9196	6.242	ug/l #	73
25) 2-Butanone	6.972	43	2833	6.575	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	4559	2.242	ug/l #	55
31) Cyclohexane	7.783	56	2312	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8758	4.607	ug/l #	52
37) Ethyl Acetate	6.972	43	2833	2.828	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12695	5.820	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	45928	39.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45928	82.705	ug/l #	7

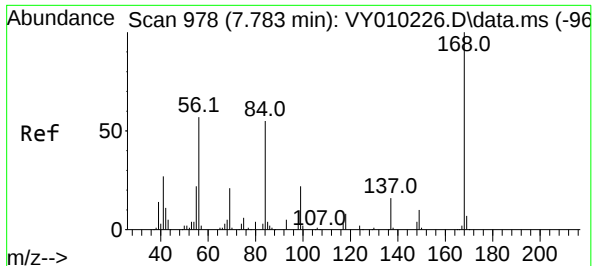
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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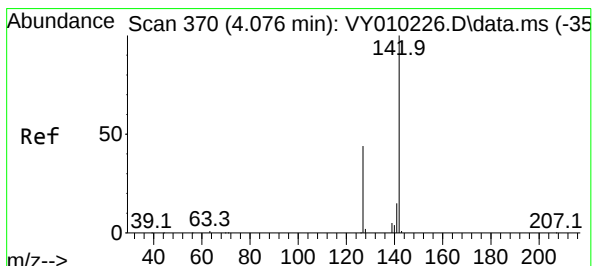
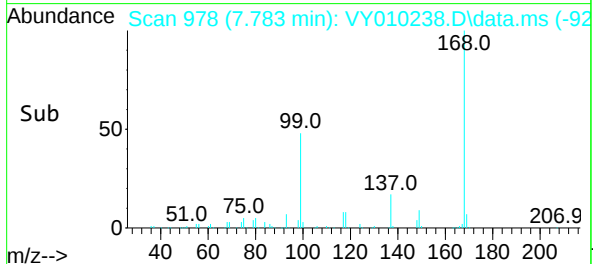
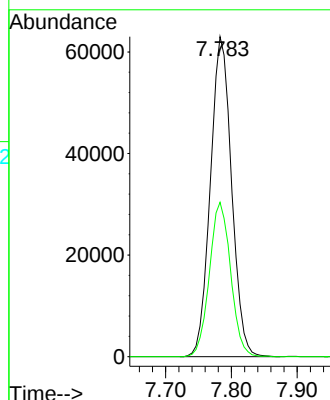
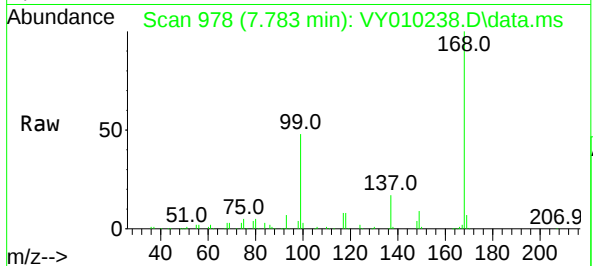




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

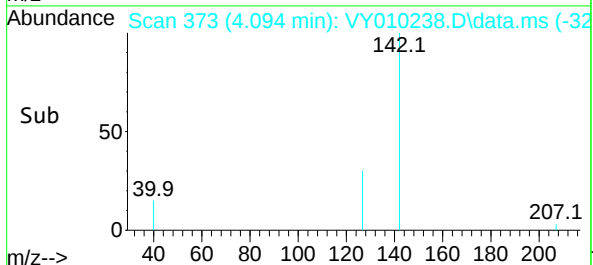
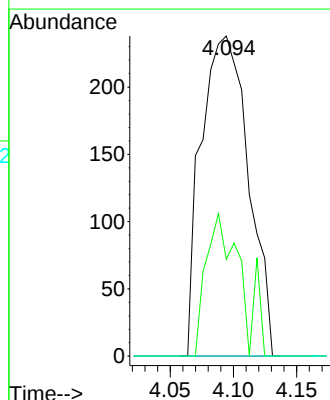
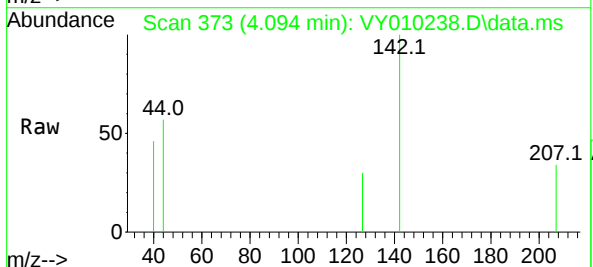
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-216

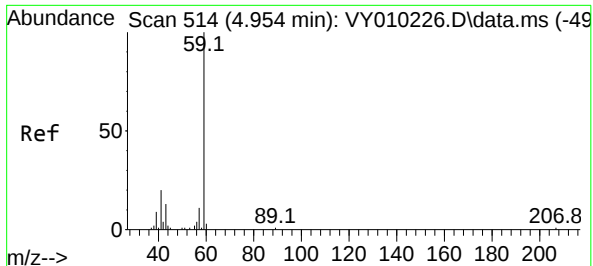
Tgt Ion:168 Resp: 141329
Ion Ratio Lower Upper
168 100
99 48.2 46.9 70.3



#10
Methyl Iodide
Concen: 1.788 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
127 32.6 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 7.165 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.031 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

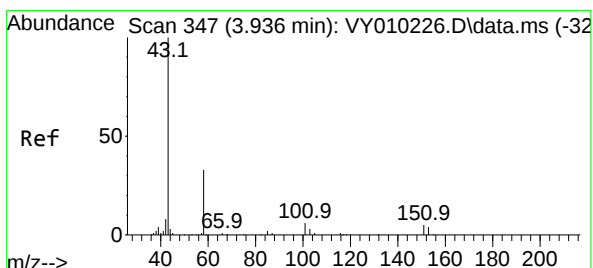
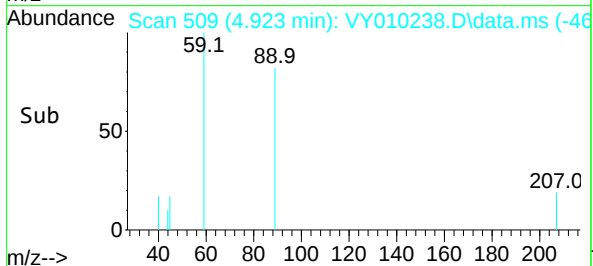
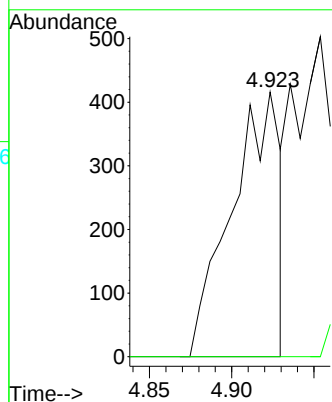
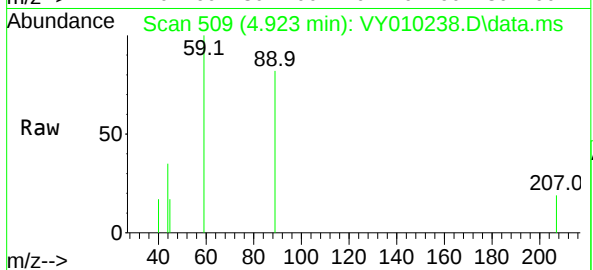
VNJ-216

Tgt Ion: 59 Resp: 853

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 10.208 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010238.D

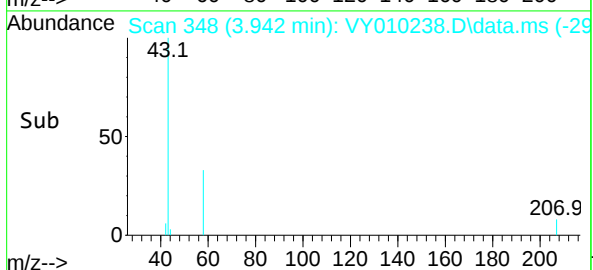
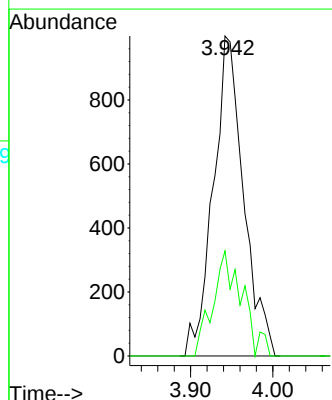
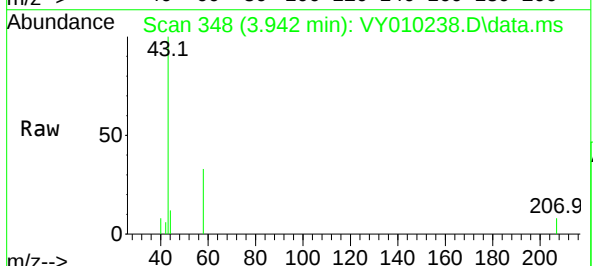
Acq: 31 Aug 2022 12:23

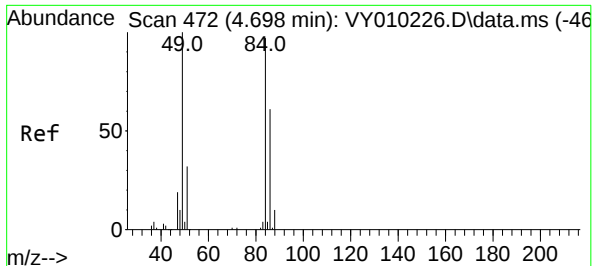
Tgt Ion: 43 Resp: 2554

Ion Ratio Lower Upper

43 100

58 32.8 22.0 33.0

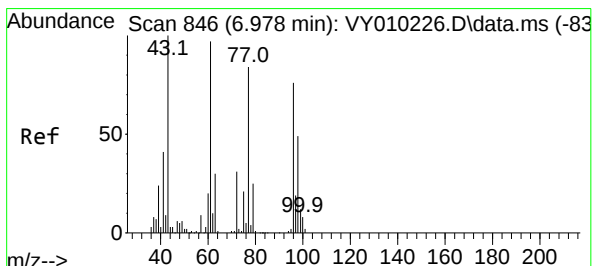
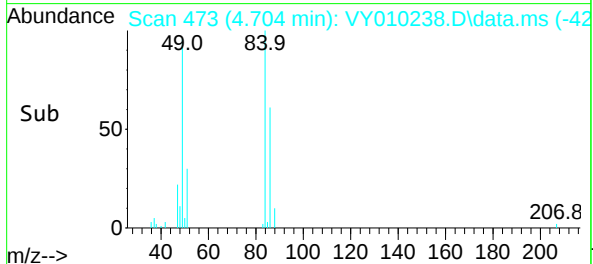
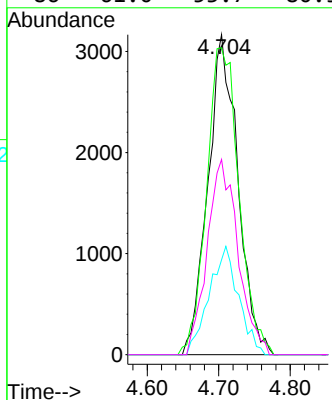
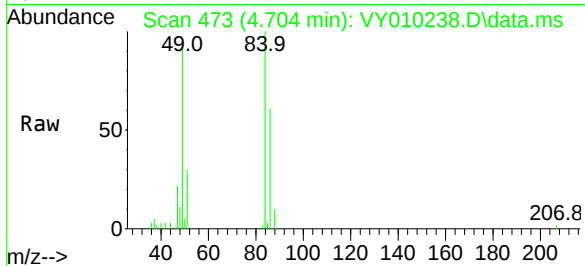




#20
Methylene Chloride
Concen: 6.242 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

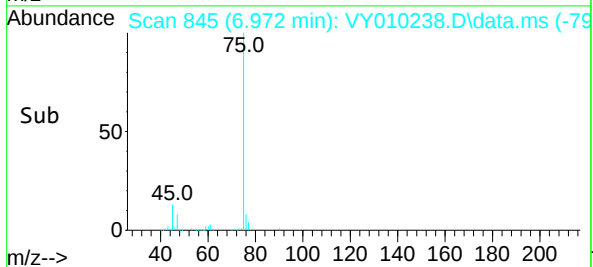
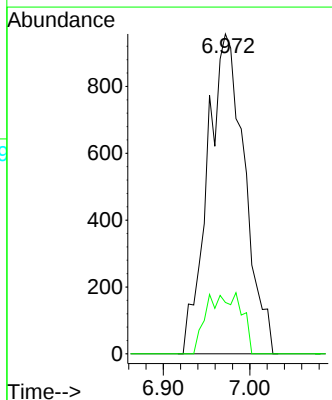
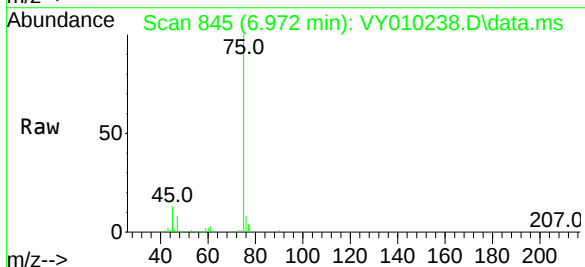
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-216

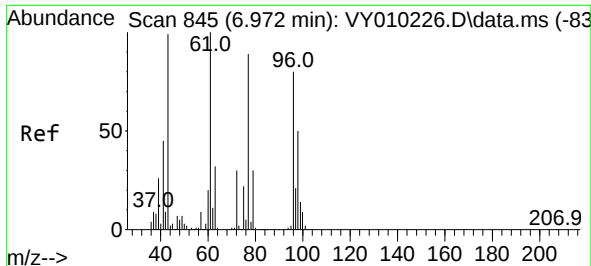
Tgt Ion: 84 Resp: 9196
Ion Ratio Lower Upper
84 100
49 95.9 114.4 171.6#
51 29.6 35.3 52.9#
86 61.0 53.7 80.5



#25
2-Butanone
Concen: 6.575 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
72 16.1 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 2.242 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

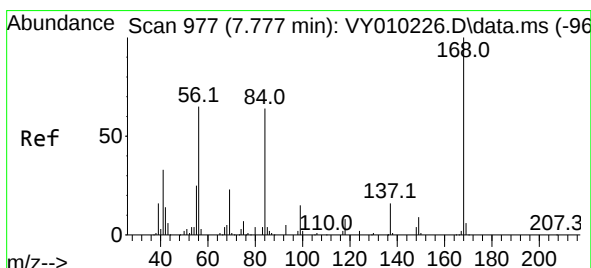
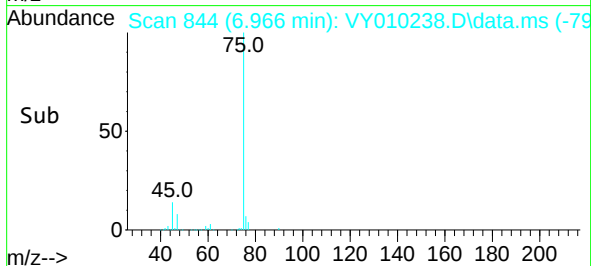
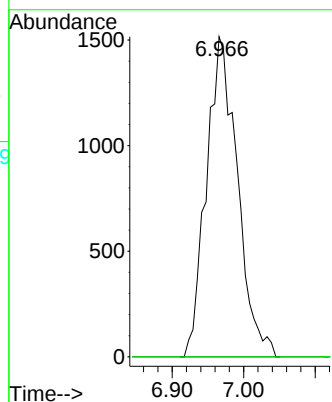
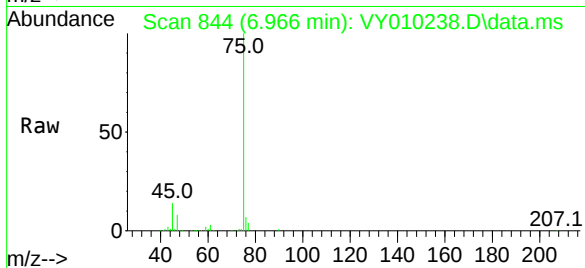
VNJ-216

Tgt Ion: 77 Resp: 4559

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

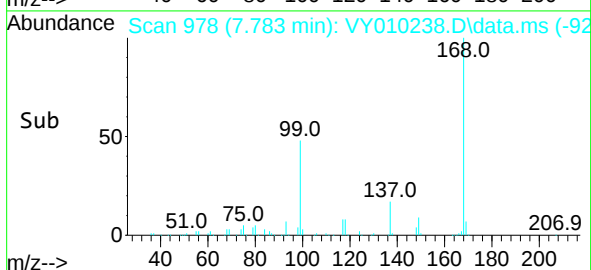
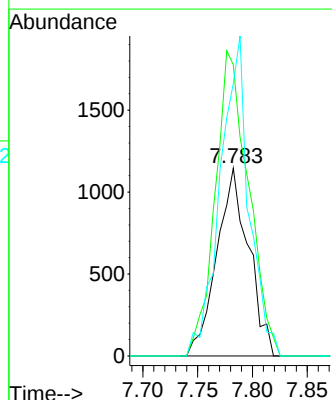
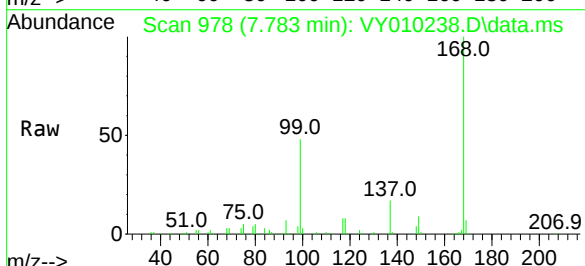
Tgt Ion: 56 Resp: 2312

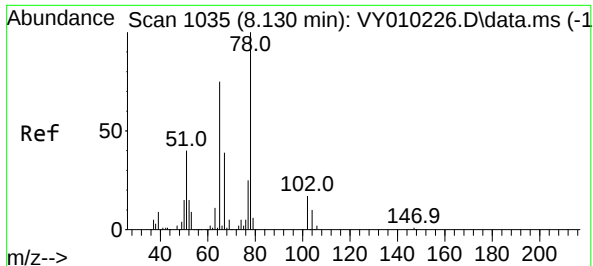
Ion Ratio Lower Upper

56 100

69 155.1 26.7 40.1#

84 145.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.315 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

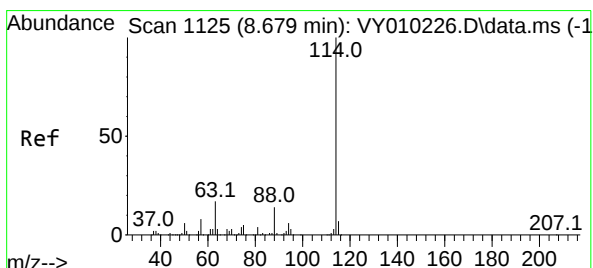
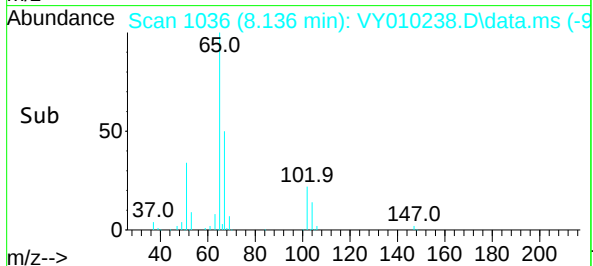
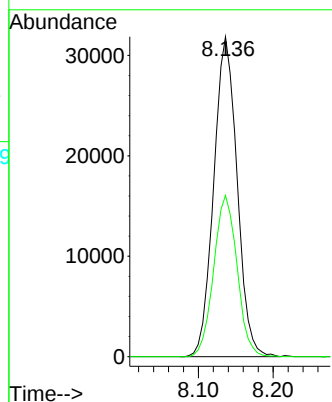
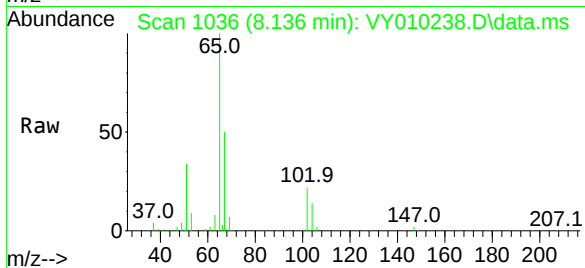
VNJ-216

Tgt Ion: 65 Resp: 69228

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

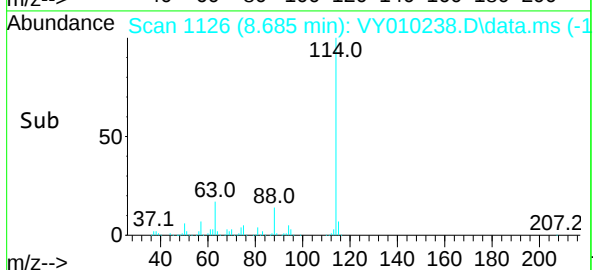
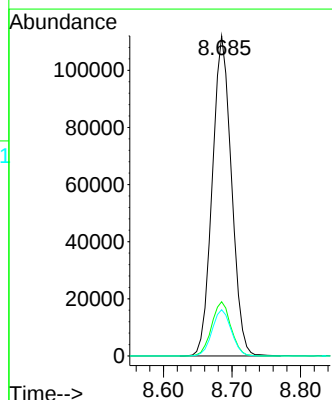
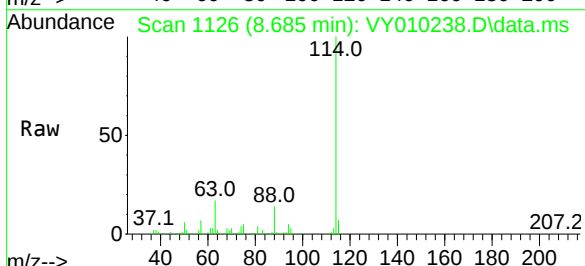
Tgt Ion: 114 Resp: 217969

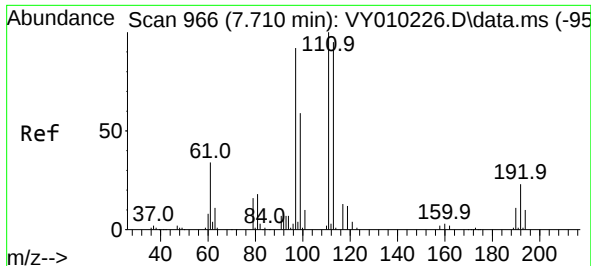
Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 14.5 0.0 31.8

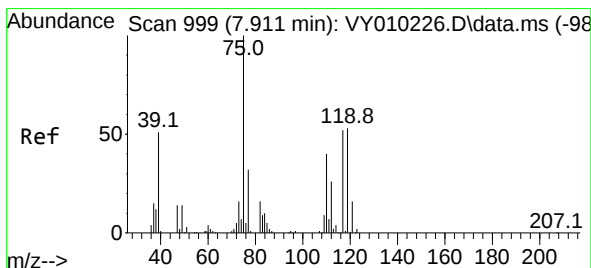
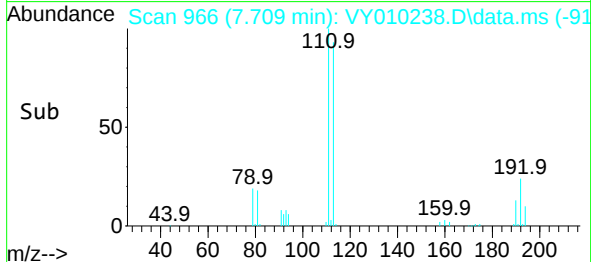
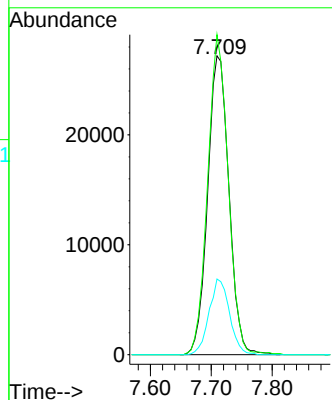
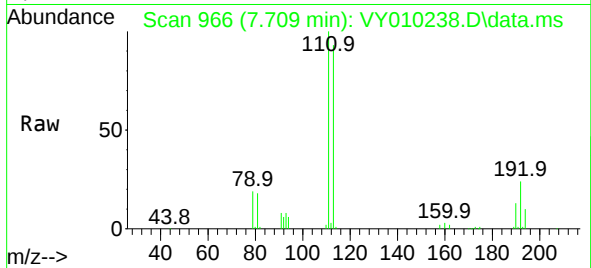




#35
Dibromofluoromethane
Concen: 52.738 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

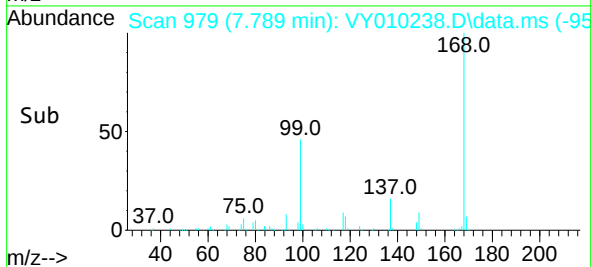
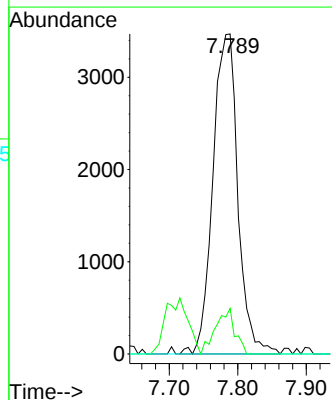
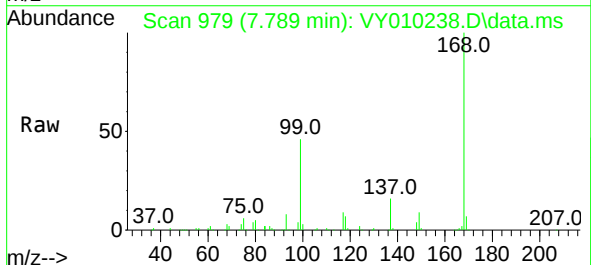
Instrument :
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VNJ-216

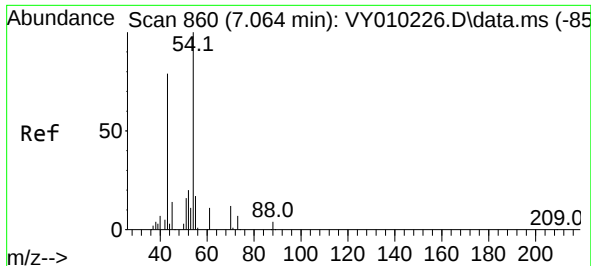
Tgt Ion:113 Resp: 66000
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 24.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion: 75 Resp: 8758
Ion Ratio Lower Upper
75 100
110 10.9 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.828 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-216

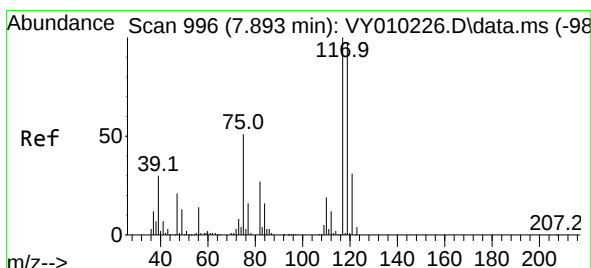
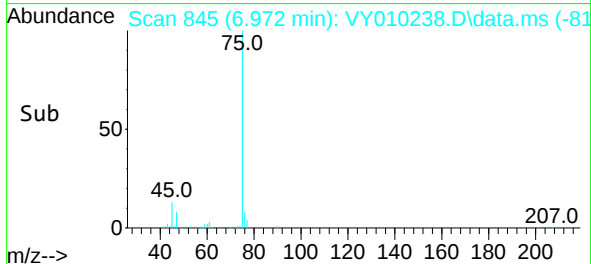
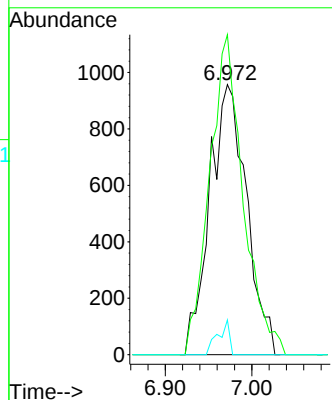
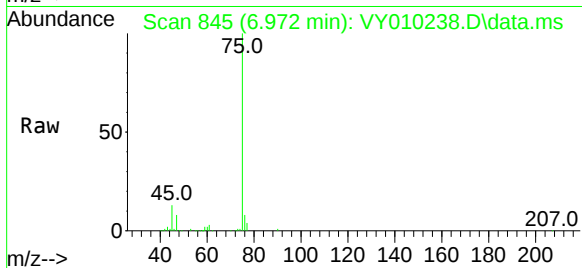
Tgt Ion: 43 Resp: 2833

Ion Ratio Lower Upper

43 100

61 107.7 9.7 14.5#

70 4.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.820 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010238.D

Acq: 31 Aug 2022 12:23

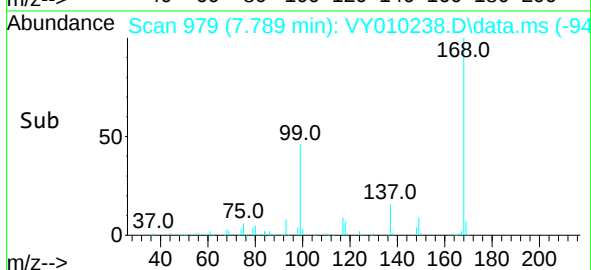
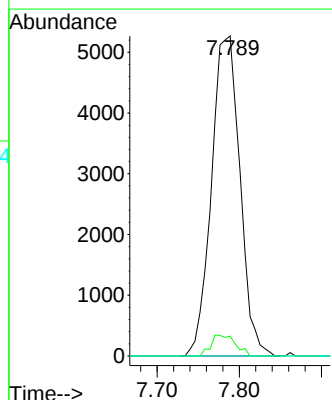
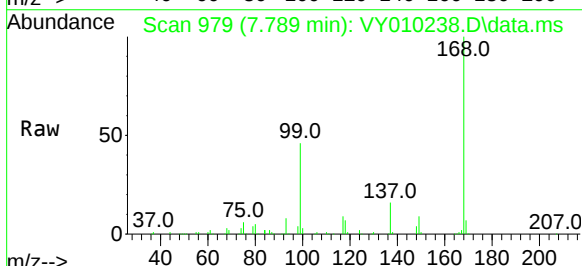
Tgt Ion: 117 Resp: 12695

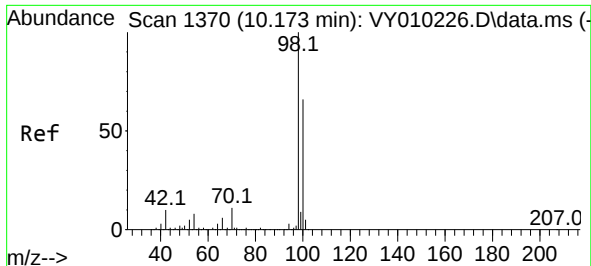
Ion Ratio Lower Upper

117 100

119 6.2 77.9 116.9#

121 0.0 24.8 37.2#

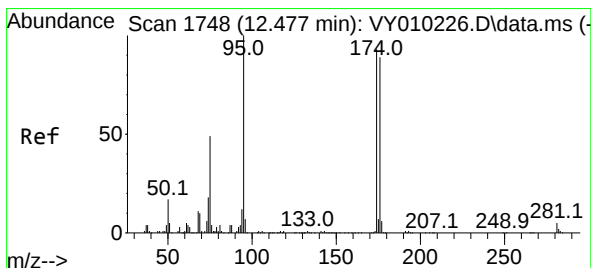
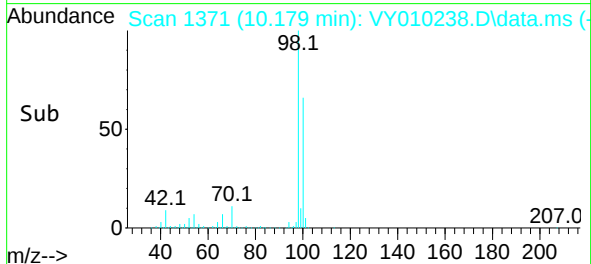
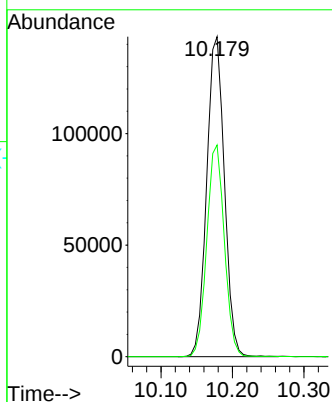
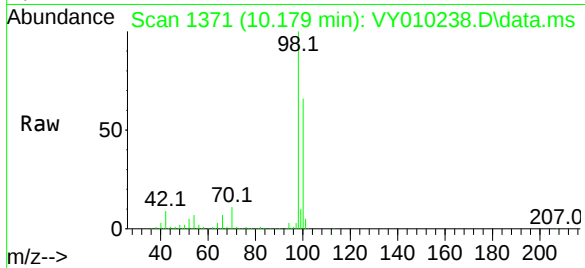




#50
Toluene-d8
Concen: 53.006 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

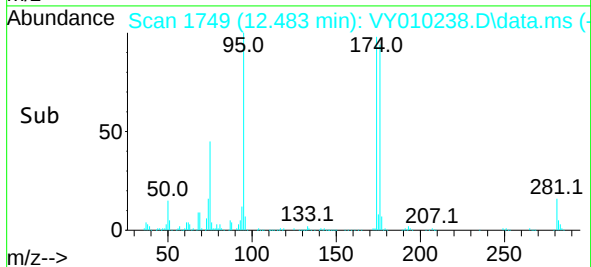
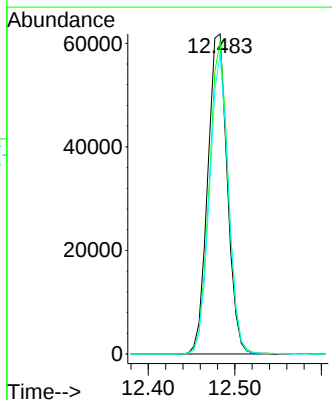
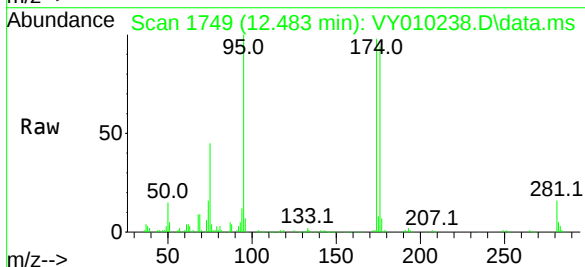
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-216

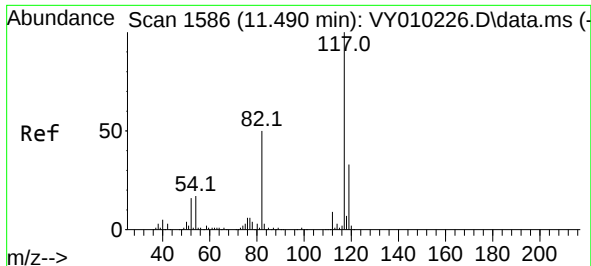
Tgt Ion: 98 Resp: 246457
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 55.812 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion: 95 Resp: 96923
Ion Ratio Lower Upper
95 100
174 95.0 0.0 177.0
176 90.6 0.0 175.8

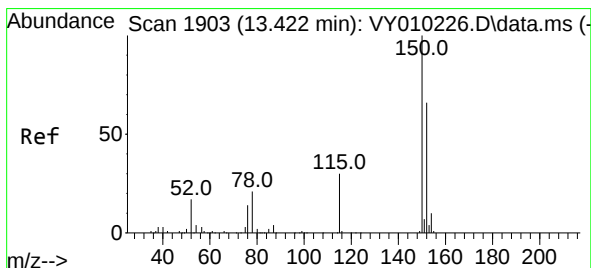
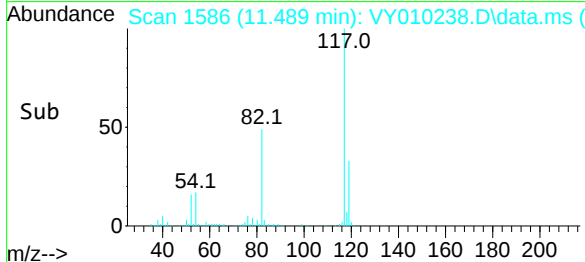
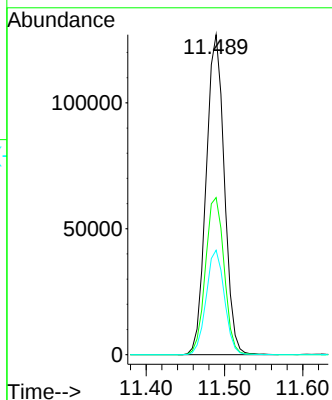
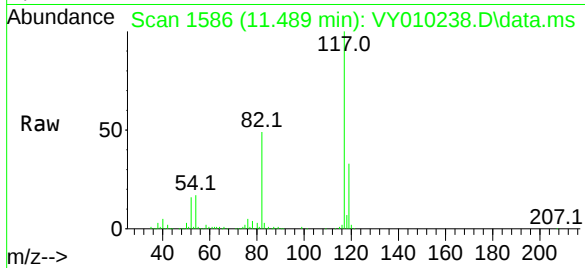




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

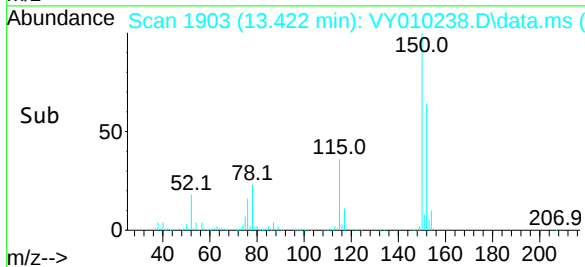
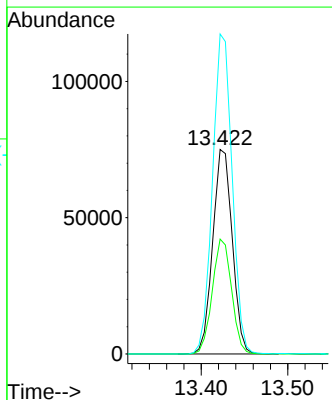
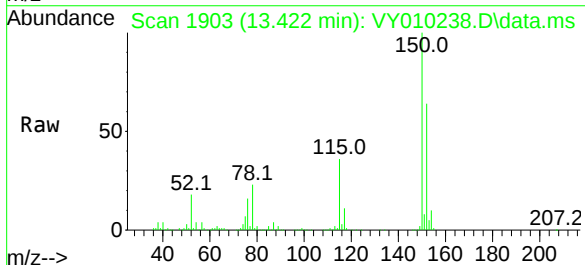
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-216

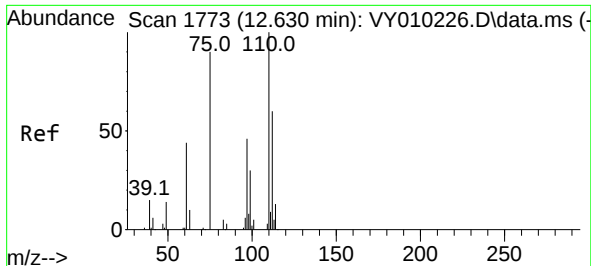
Tgt Ion:117 Resp: 204817
Ion Ratio Lower Upper
117 100
82 49.1 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion:152 Resp: 117826
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 156.4 0.0 347.6

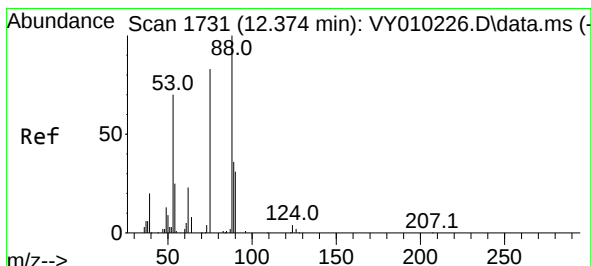
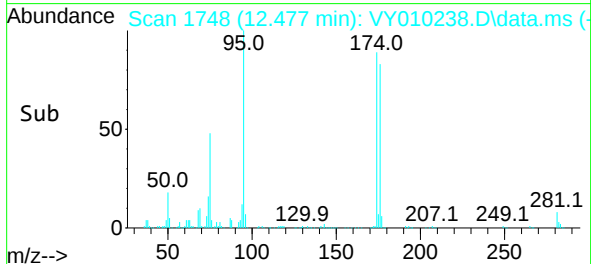
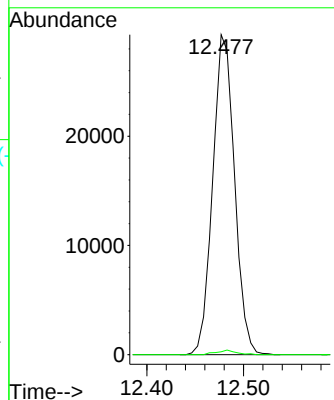
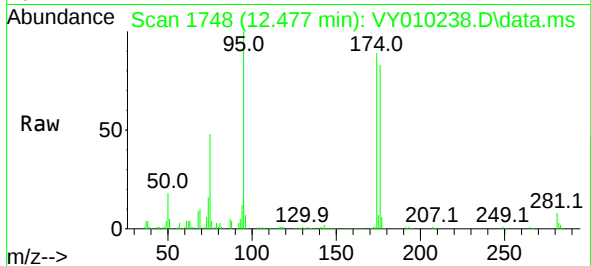




#76
1,2,3-Trichloropropane
Concen: 39.642 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-216

Tgt Ion: 75 Resp: 45928
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.705 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010238.D
Acq: 31 Aug 2022 12:23

Tgt Ion: 75 Resp: 45928
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

