

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008758.D
 Acq On : 13 May 2022 18:45
 Operator : KP/MD
 Sample : N2795-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-239

Quant Time: May 16 05:54:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

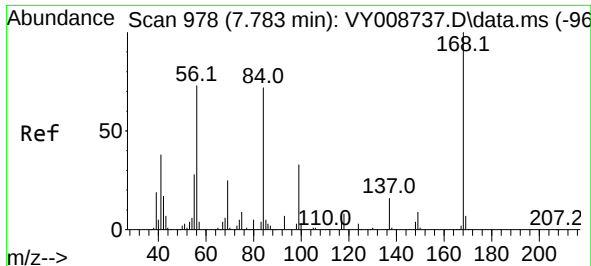
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	1416	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	2334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	1921	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.416	152	542	50.000	ug/l	#-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	891	63.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.360%	
35) Dibromofluoromethane	7.710	113	395	28.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 56.400%	
50) Toluene-d8	10.185	98	2536	48.004	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	12.483	95	748	40.866	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	70	1.002	ug/l	# 41
4) Vinyl Chloride	2.241	62	33	Below Cal	#	41
5) Bromomethane	2.674	94	50	Below Cal		86
10) Methyl Iodide	4.107	142	85	6.402	ug/l	# 85
16) Acetone	3.936	43	79	21.516	ug/l	# 43
18) Methyl Acetate	4.271	43	27	Below Cal	#	49
20) Methylene Chloride	4.704	84	104	Below Cal	#	37
21) trans-1,2-Dichloroethene	5.101	96	52	3.212	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	90	3.808	ug/l	# 11
48) Methyl methacrylate	9.252	41	27	2.951	ug/l	# 8
51) 4-Methyl-2-Pentanone	10.161	43	26	2.270	ug/l	# 34
59) 2-Hexanone	11.045	43	41	5.312	ug/l	83
66) 1,1,1,2-Tetrachloroethane	11.843	131	72	4.746	ug/l	# 8
67) Ethyl Benzene	11.709	91	76	1.036	ug/l	# 42
69) o-Xylene	12.154	106	52	1.891	ug/l	# 1
73) Isopropylbenzene	12.428	105	324	7.902	ug/l	# 60
74) N-amyl acetate	12.136	43	24	2.532	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.532	83	30	3.562	ug/l	# 25
76) 1,2,3-Trichloropropane	12.483	75	467	85.625	ug/l	# 100
77) Bromobenzene	12.471	156	104	11.203	ug/l	# 51
78) n-propylbenzene	12.538	91	98	1.973	ug/l	# 52
79) 2-Chlorotoluene	12.880	91	82	3.067	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.904	105	45	1.346	ug/l	# 27
81) trans-1,4-Dichloro-2-b...	12.483	75	467	165.418	ug/l	# 16
82) 4-Chlorotoluene	12.880	91	82	2.913	ug/l	# 39
83) tert-Butylbenzene	13.142	119	33	1.111	ug/l	# 1
84) 1,2,4-Trimethylbenzene	13.117	105	151	4.544	ug/l	# 30
85) sec-Butylbenzene	13.117	105	151	3.350	ug/l	# 56
86) p-Isopropyltoluene	13.459	119	52	1.382	ug/l	# 5
89) n-Butylbenzene	13.690	91	89	2.530	ug/l	# 33
90) Hexachloroethane	14.020	117	90	12.968	ug/l	# 15

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

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QLast Update : Fri May 13 02:08:33 2022
Response via : Initial Calibration

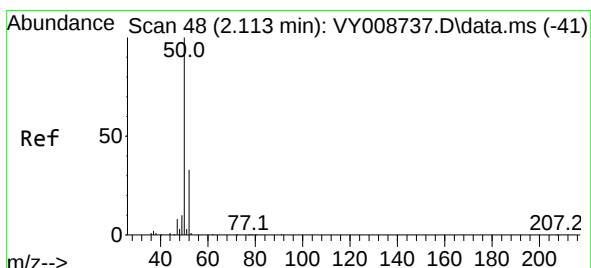
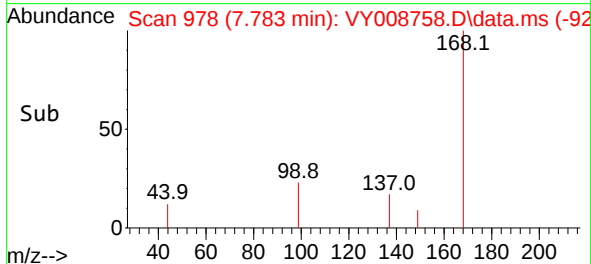
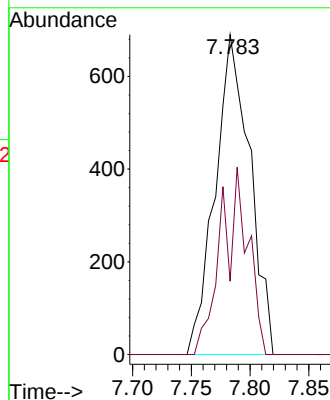
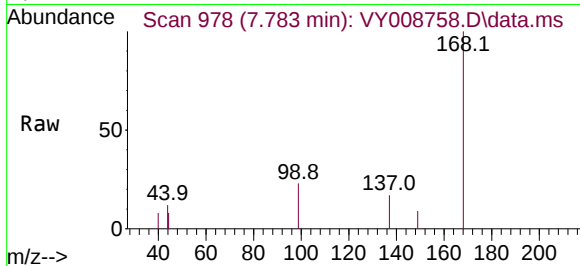




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

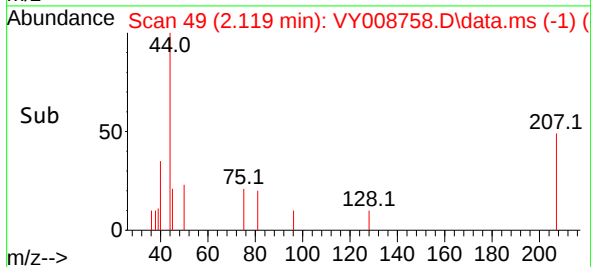
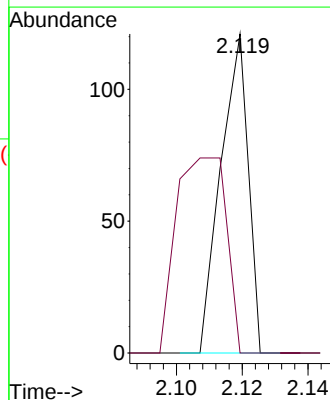
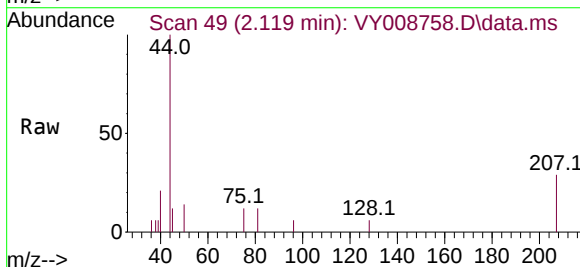
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

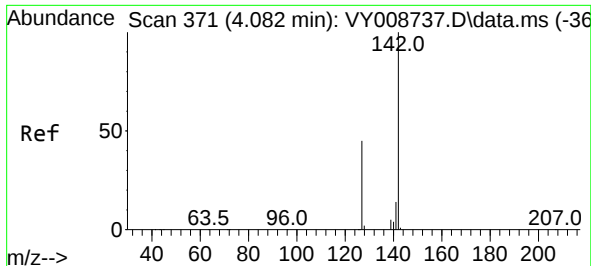
Tgt Ion:168 Resp: 1416
Ion Ratio Lower Upper
168 100
99 22.9 42.3 63.5#



#3
Chloromethane
Concen: 1.002 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 50 Resp: 70
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

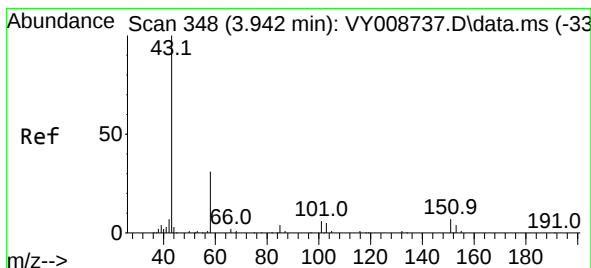
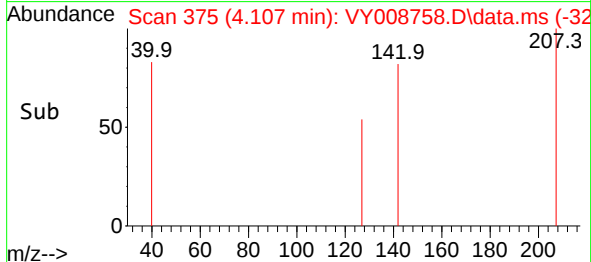
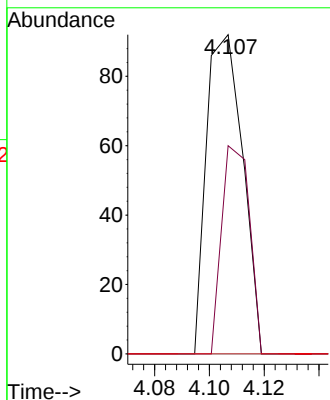
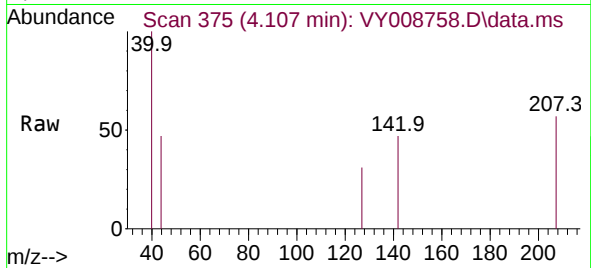




#10
Methyl Iodide
Concen: 6.402 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

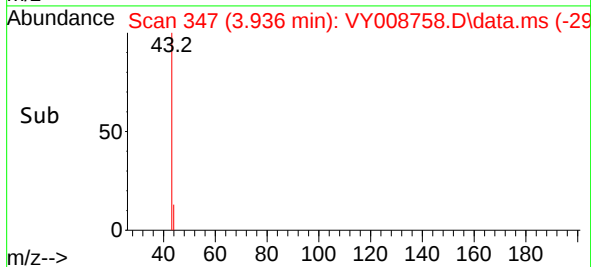
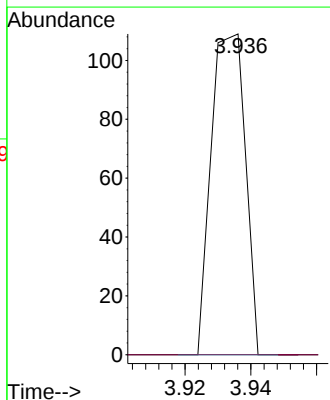
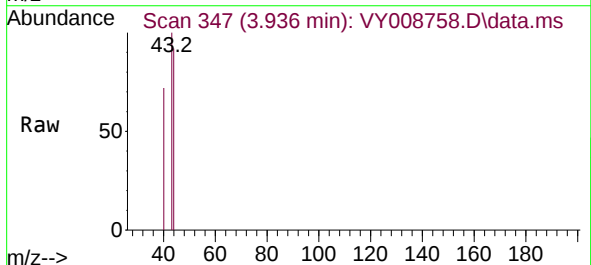
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

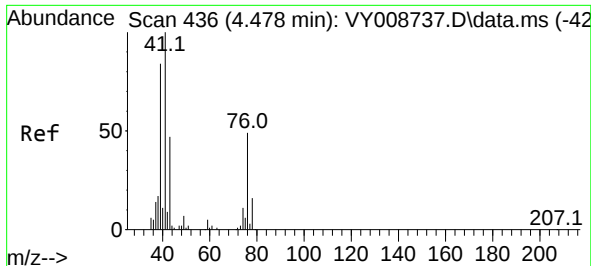
Tgt Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 49.4 35.4 53.0
141 0.0 11.7 17.5#



#16
Acetone
Concen: 21.516 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#

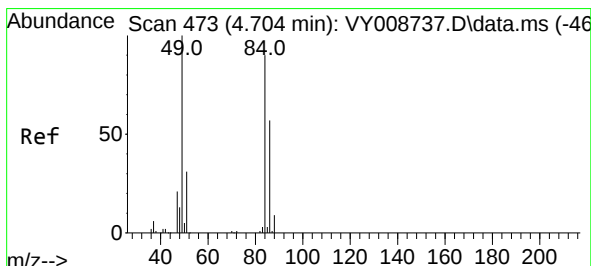
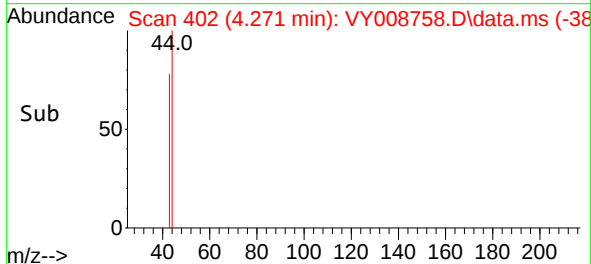
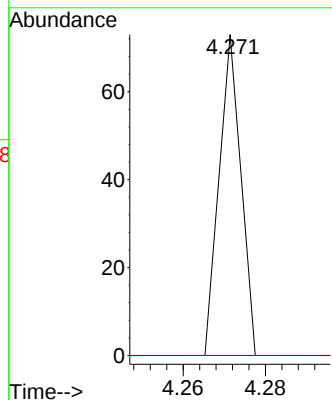
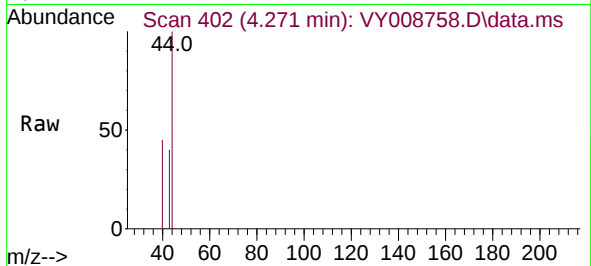




#18
Methyl Acetate
Concen: Below Cal
RT: 4.271 min Scan# 402
Delta R.T. -0.207 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

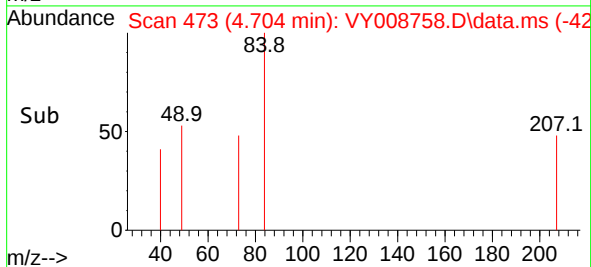
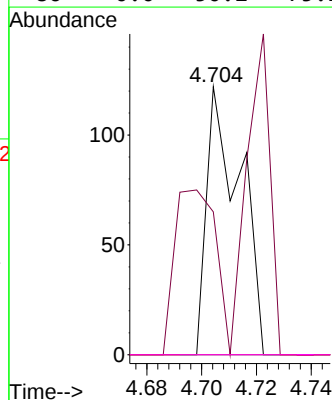
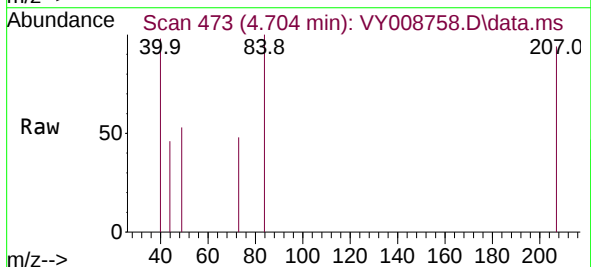
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

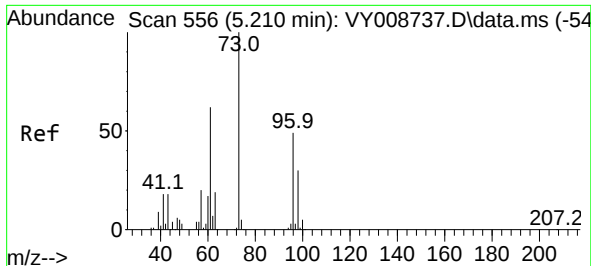
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 84 Resp: 104
Ion Ratio Lower Upper
84 100
49 53.3 88.6 133.0#
51 0.0 27.4 41.0#
86 0.0 50.2 75.2#

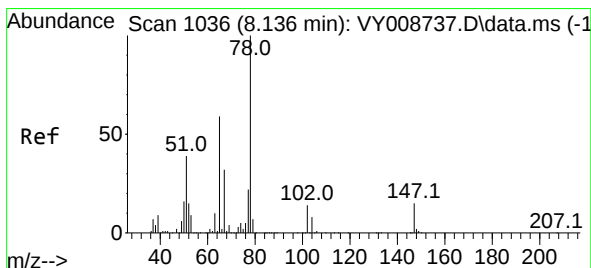
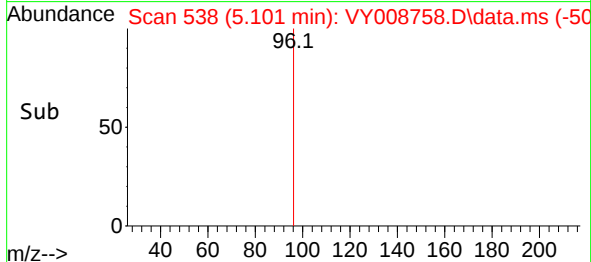
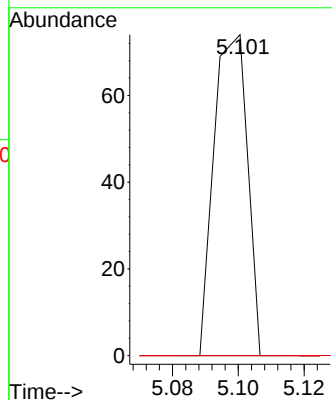
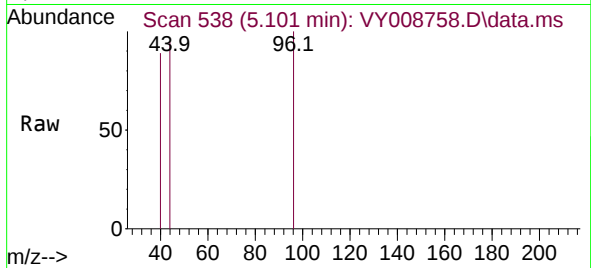




#21
trans-1,2-Dichloroethene
Concen: 3.212 ug/l
RT: 5.101 min Scan# 51
Delta R.T. -0.109 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

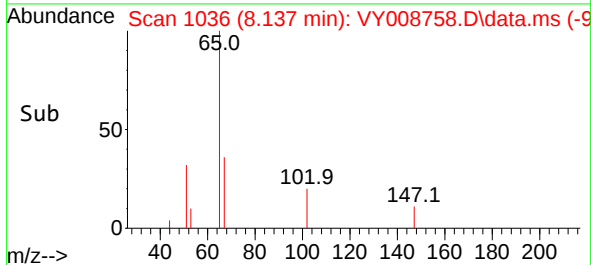
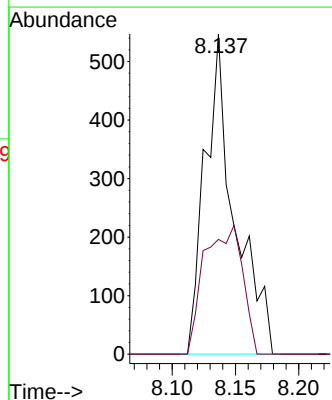
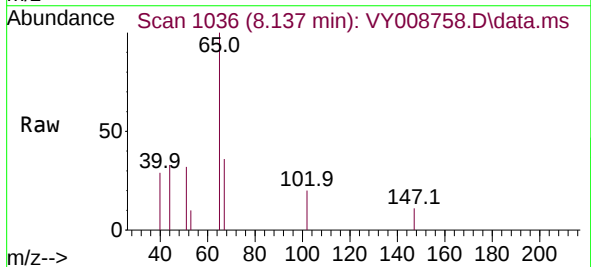
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

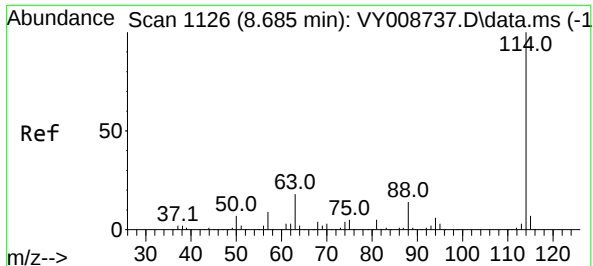
Tgt Ion: 96 Resp: 52
Ion Ratio Lower Upper
96 100
61 0.0 101.8 152.6#
98 0.0 50.2 75.2#



#33
1,2-Dichloroethane-d4
Concen: 63.183 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 65 Resp: 891
Ion Ratio Lower Upper
65 100
67 51.6 0.0 110.0

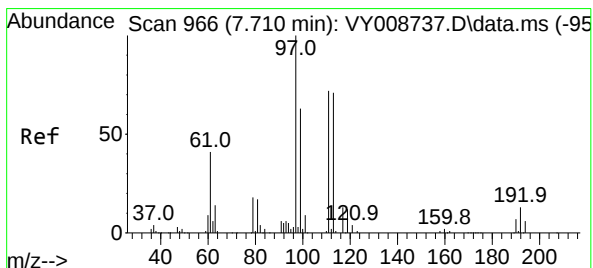
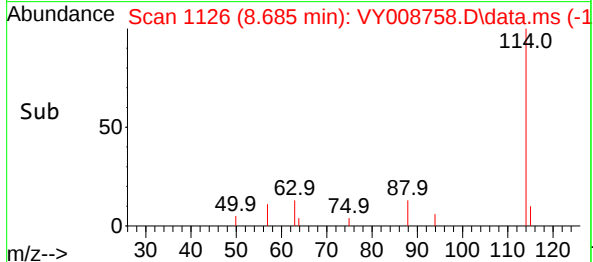
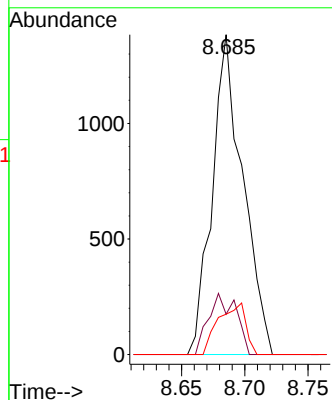
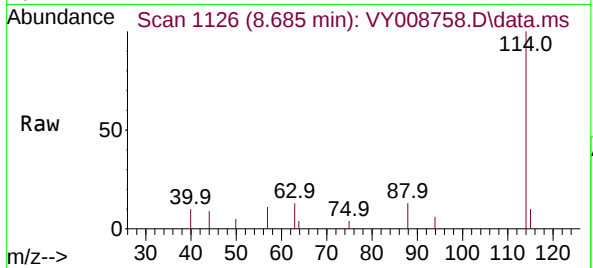




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

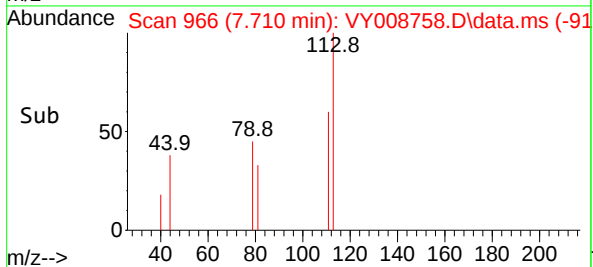
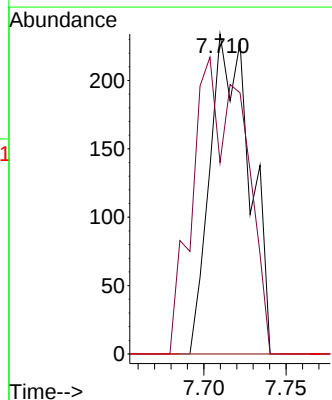
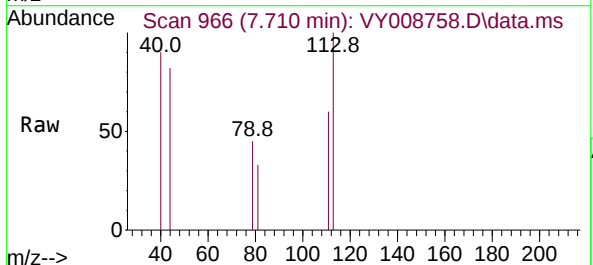
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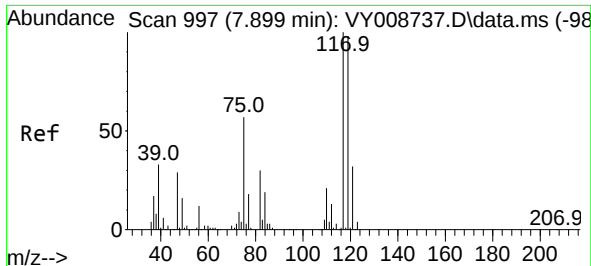
Tgt Ion:114	Resp:	2334
Ion Ratio	Lower	Upper
114	100	
63	12.6	0.0 36.4
88	12.6	0.0 27.4



#35
Dibromofluoromethane
Concen: 28.197 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion:113	Resp:	395
Ion Ratio	Lower	Upper
113	100	
111	65.8	81.8 122.6#
192	0.0	14.5 21.7#

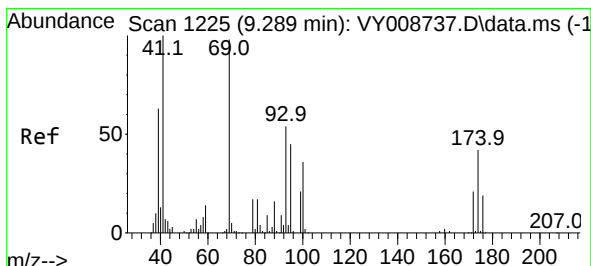
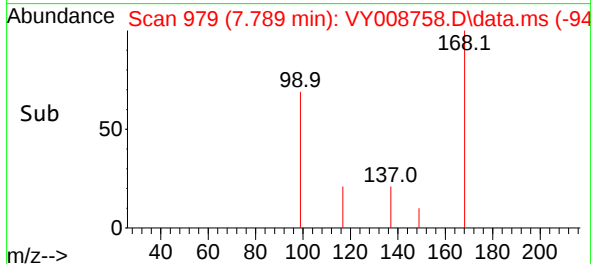
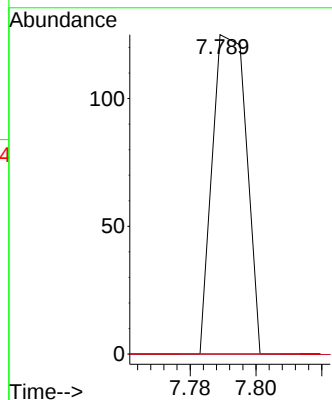
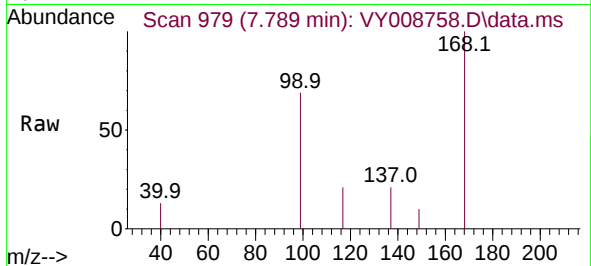




#38
Carbon Tetrachloride
Concen: 3.808 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

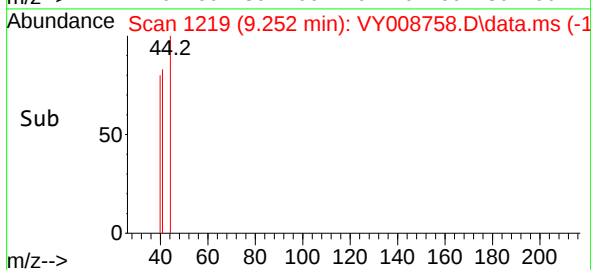
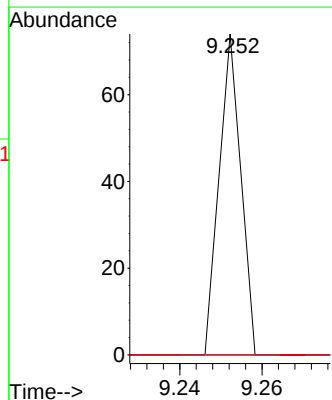
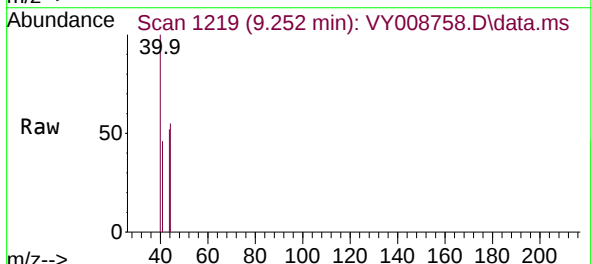
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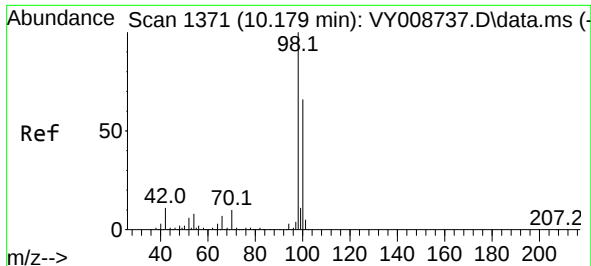
Tgt Ion:117 Resp: 90
Ion Ratio Lower Upper
117 100
119 0.0 78.5 117.7#
121 0.0 25.8 38.8#



#48
Methyl methacrylate
Concen: 2.951 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.036 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 41 Resp: 27
Ion Ratio Lower Upper
41 100
69 0.0 79.4 119.0#
39 0.0 49.8 74.6#

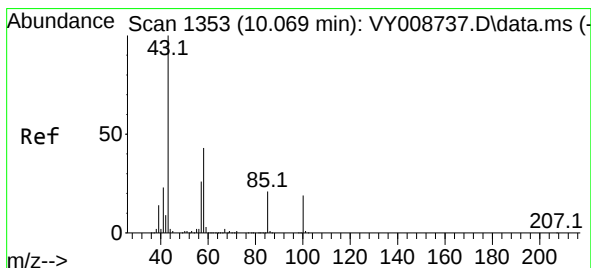
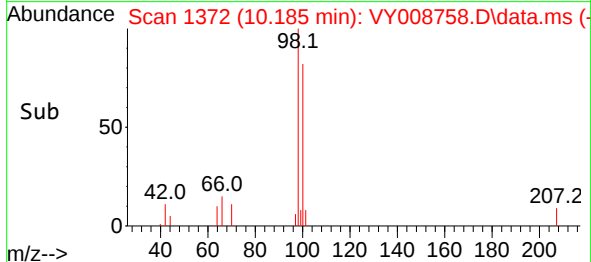
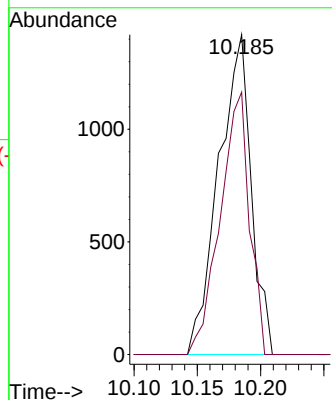
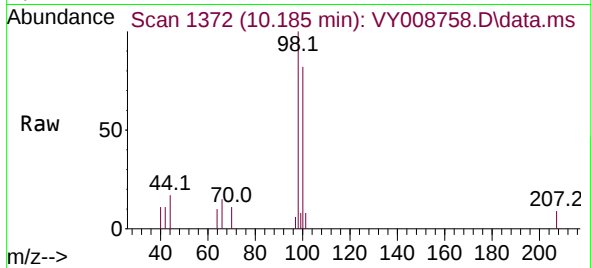




#50
Toluene-d8
Concen: 48.004 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

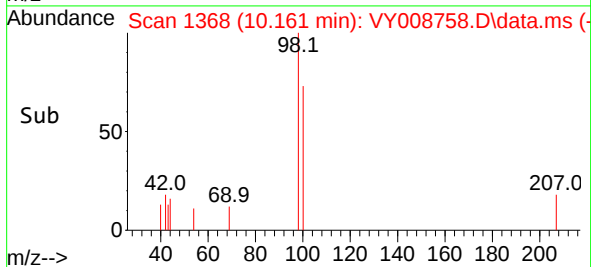
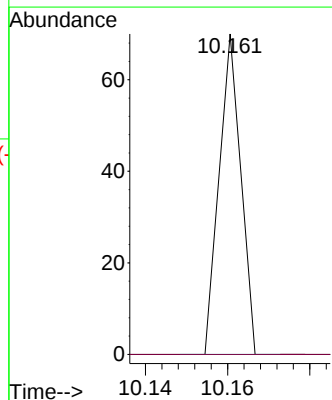
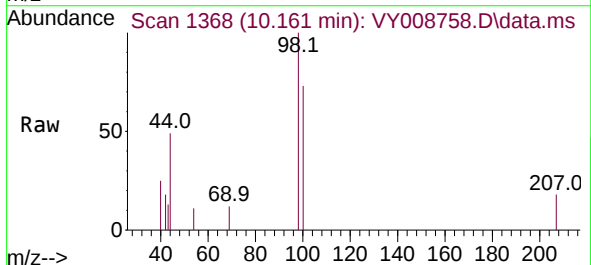
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

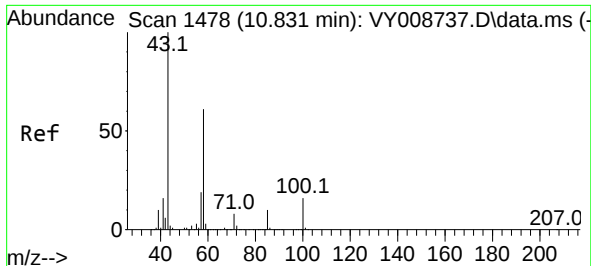
Tgt Ion: 98 Resp: 2536
Ion Ratio Lower Upper
98 100
100 74.0 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 2.270 ug/l
RT: 10.161 min Scan# 1368
Delta R.T. 0.092 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

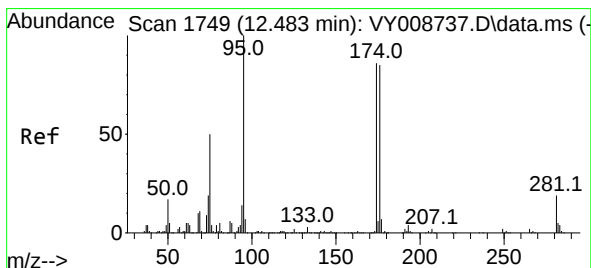
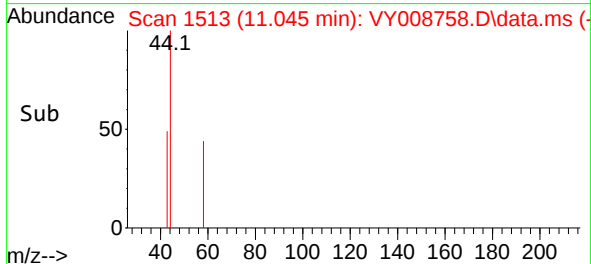
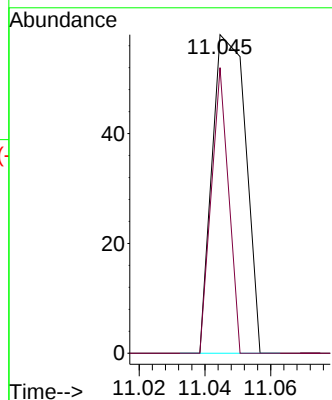
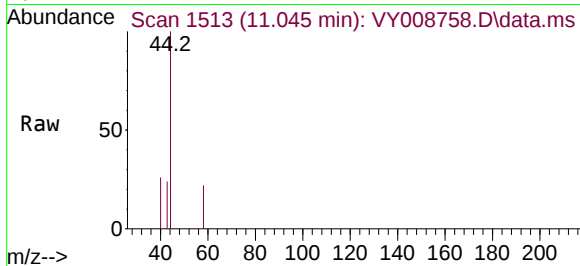




#59
2-Hexanone
Concen: 5.312 ug/l
RT: 11.045 min Scan# 11
Delta R.T. 0.214 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

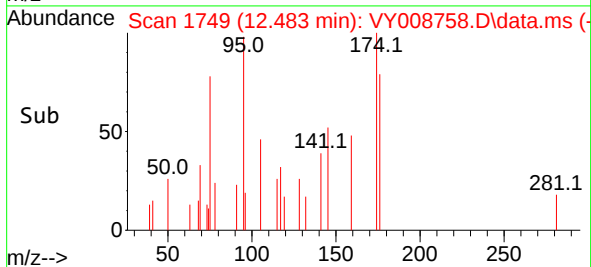
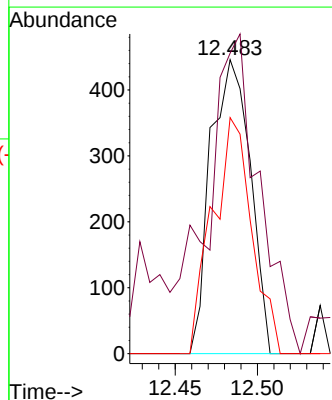
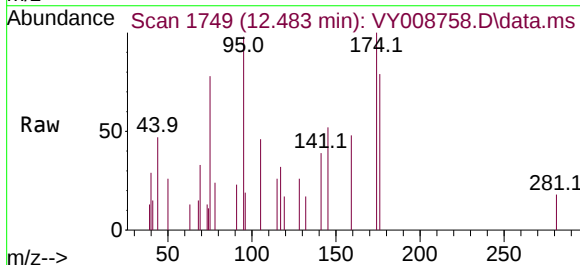
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

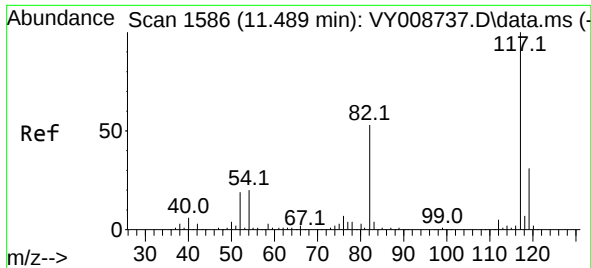
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 46.3 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 40.866 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 95 Resp: 748
Ion Ratio Lower Upper
95 100
174 140.1 0.0 171.2
176 79.5 0.0 168.8

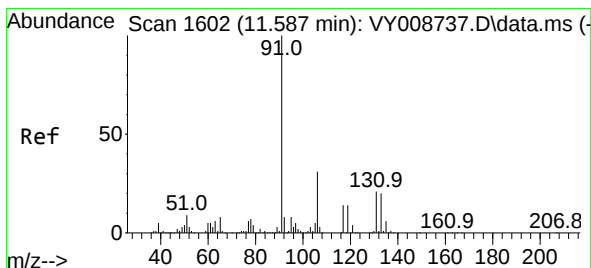
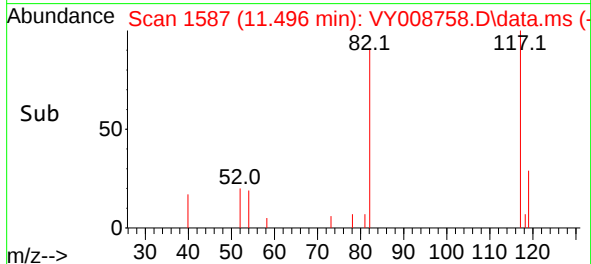
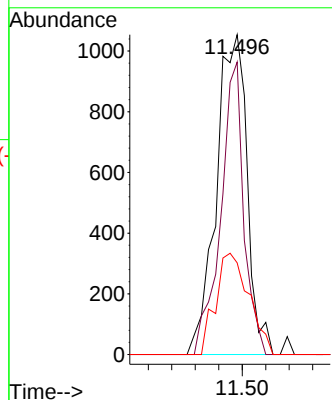
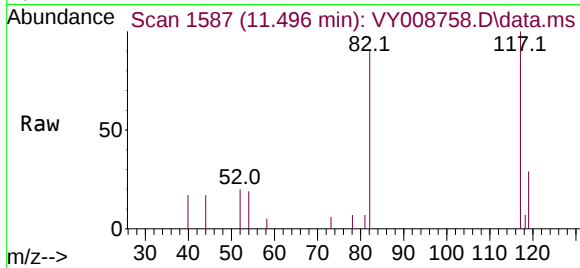




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

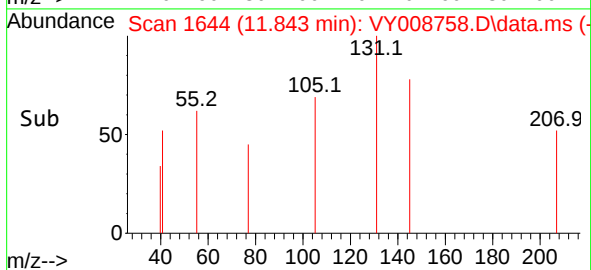
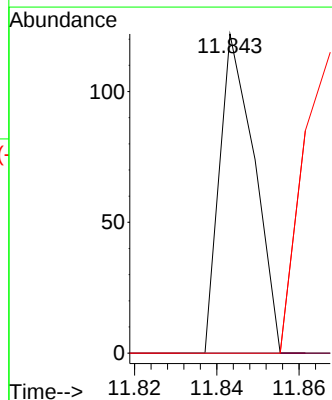
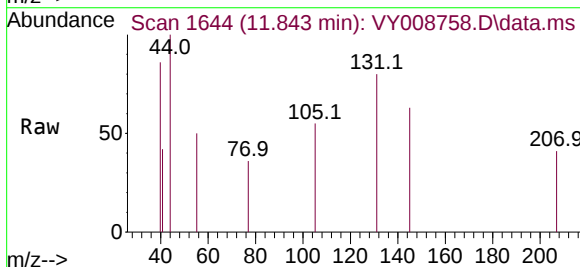
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

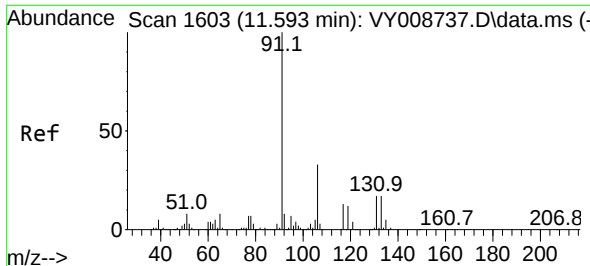
Tgt Ion:117 Resp: 1921
Ion Ratio Lower Upper
117 100
82 91.5 42.3 63.5#
119 28.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.746 ug/l
RT: 11.843 min Scan# 1644
Delta R.T. 0.256 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion:131 Resp: 72
Ion Ratio Lower Upper
131 100
133 0.0 47.4 142.3#
119 0.0 33.1 99.3#

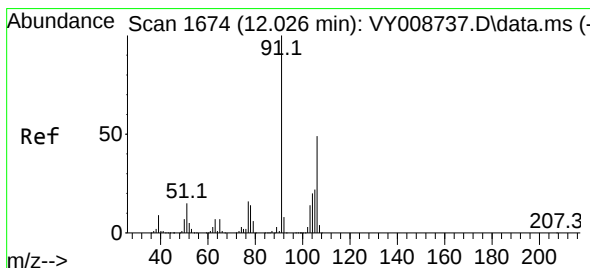
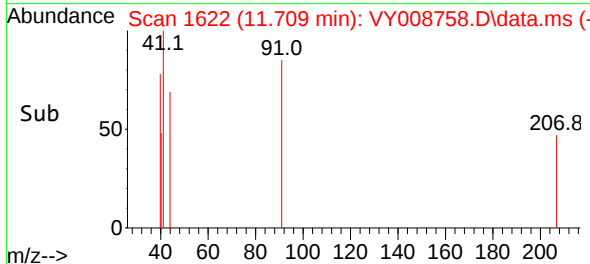
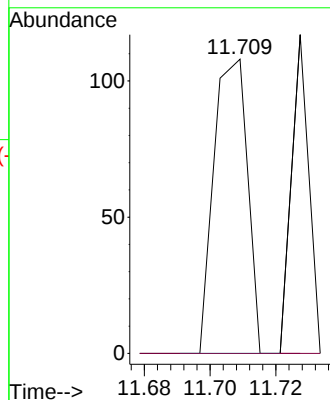
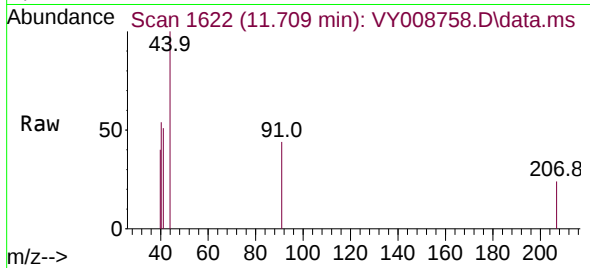




#67
Ethyl Benzene
Concen: 1.036 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.116 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

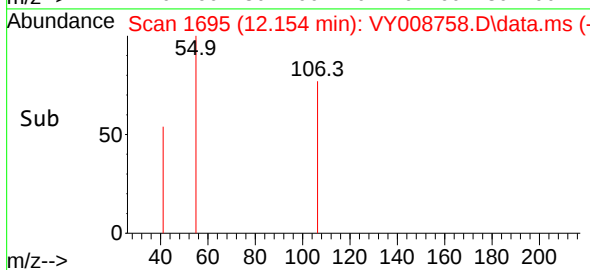
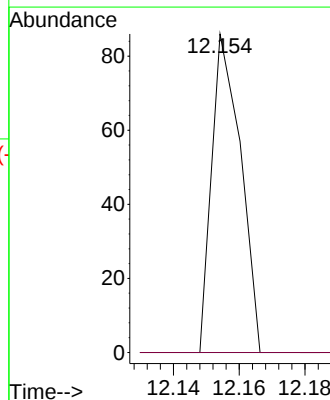
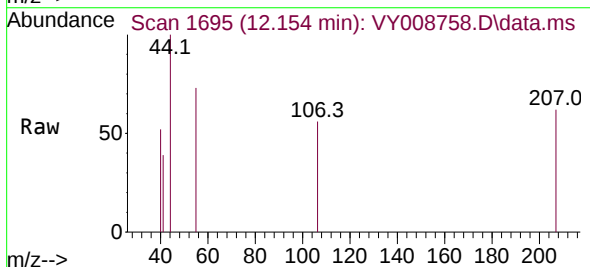
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

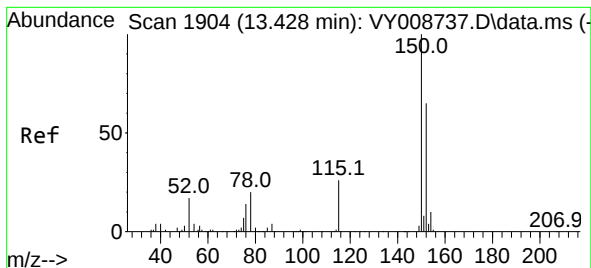
Tgt Ion: 91 Resp: 76
Ion Ratio Lower Upper
91 100
106 0.0 26.3 39.5#



#69
o-Xylene
Concen: 1.891 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.128 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 106 Resp: 52
Ion Ratio Lower Upper
106 100
91 0.0 102.7 308.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.416 min Scan# 1904

Delta R.T. -0.012 min

Lab File: VY008758.D

Acq: 13 May 2022 18:45

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-239

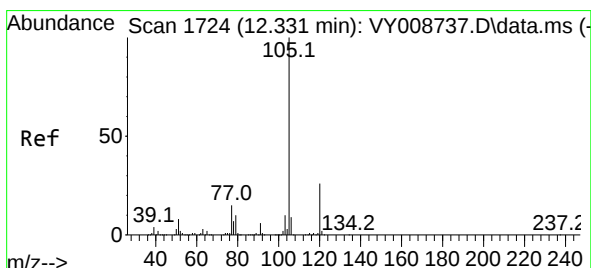
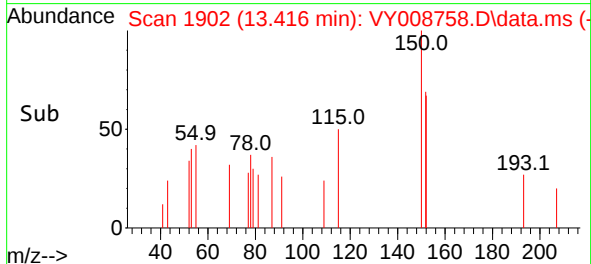
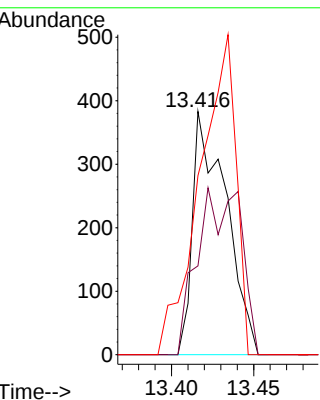
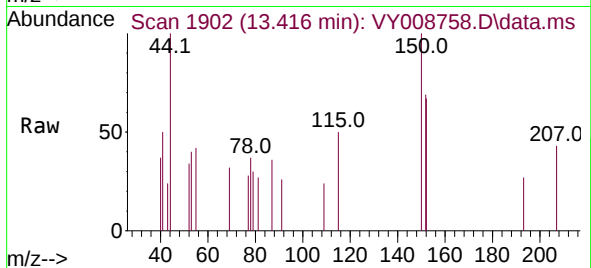
Tgt Ion:152 Resp: 542

Ion Ratio Lower Upper

152 100

115 89.3 28.2 84.7#

150 142.1 0.0 348.2



#73

Isopropylbenzene

Concen: 7.902 ug/l

RT: 12.428 min Scan# 1740

Delta R.T. 0.098 min

Lab File: VY008758.D

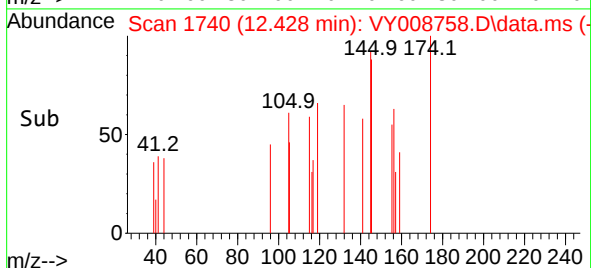
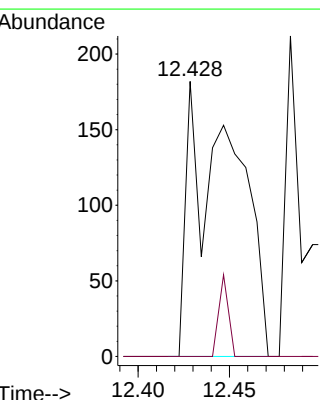
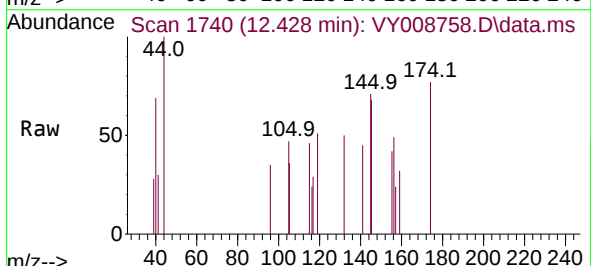
Acq: 13 May 2022 18:45

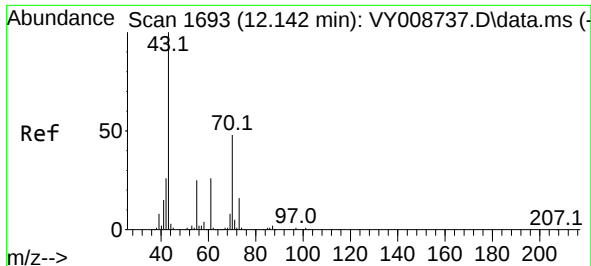
Tgt Ion:105 Resp: 324

Ion Ratio Lower Upper

105 100

120 6.2 13.4 40.2#

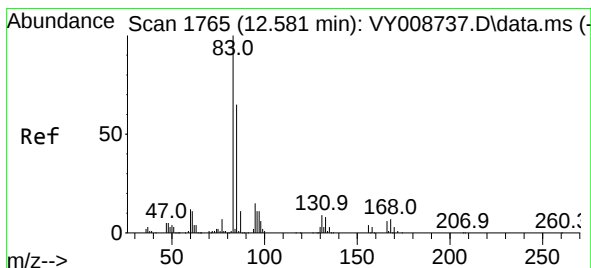
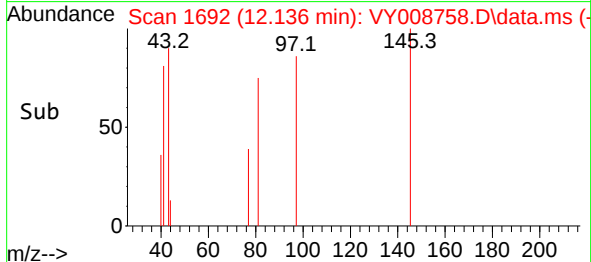
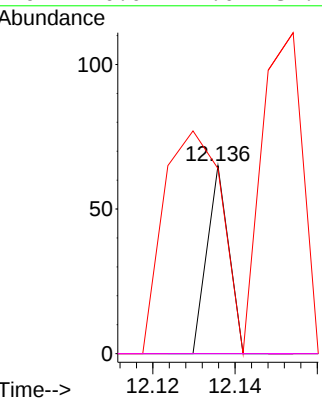
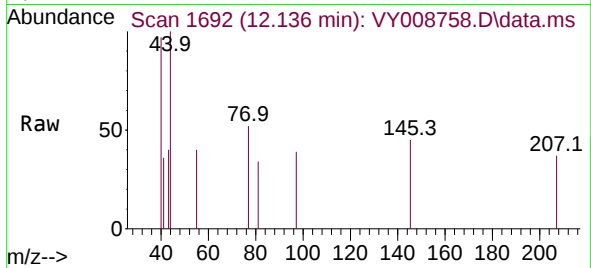




#74
N-amy1 acetate
Concen: 2.532 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

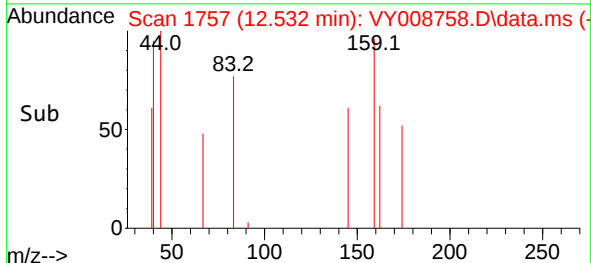
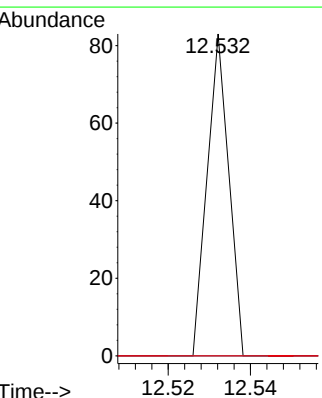
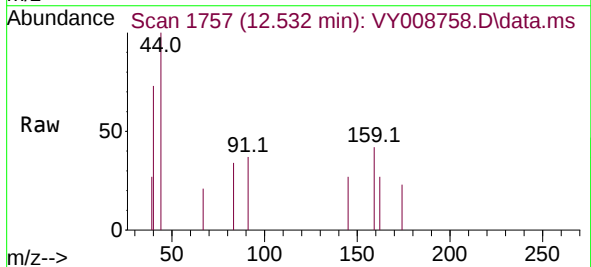
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

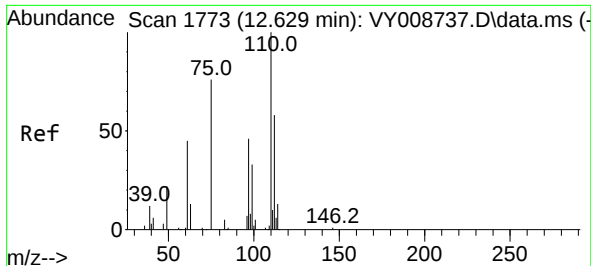
Tgt Ion:	43	Resp:	24
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	312.5	20.2	30.4#
61	0.0	21.0	31.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.562 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. -0.049 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion:	83	Resp:	30
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.2	96.6#





#76

1,2,3-Trichloropropane

Concen: 85.625 ug/l

RT: 12.483 min Scan# 11

Delta R.T. -0.146 min

Lab File: VY008758.D

Acq: 13 May 2022 18:45

Instrument :

MSVOA_Y

ClientSampleId :

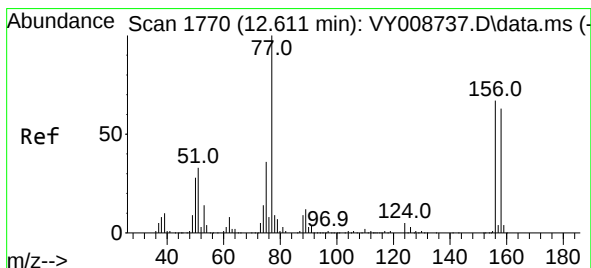
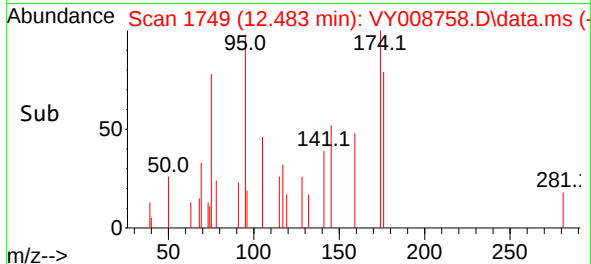
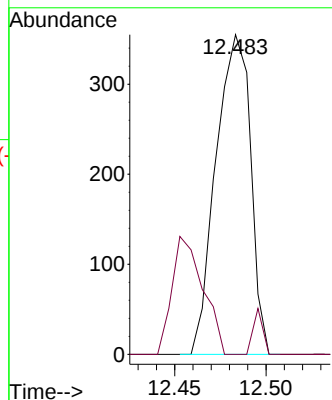
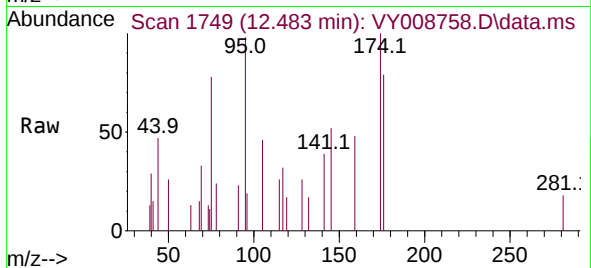
VNJ-239

Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

77 4.1 0.0 0.0#



#77

Bromobenzene

Concen: 11.203 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. -0.140 min

Lab File: VY008758.D

Acq: 13 May 2022 18:45

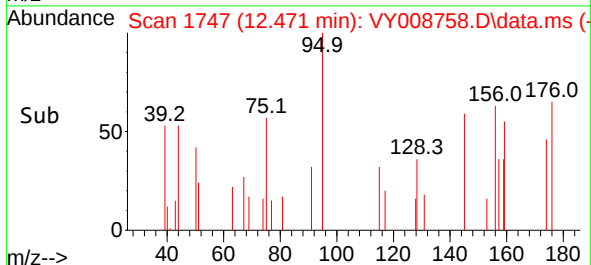
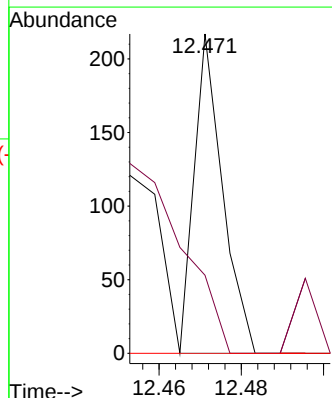
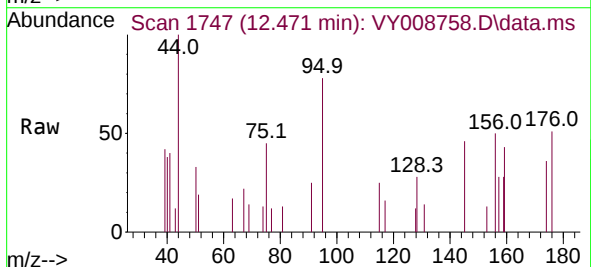
Tgt Ion: 156 Resp: 104

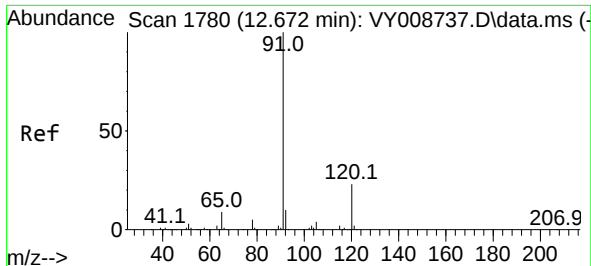
Ion Ratio Lower Upper

156 100

77 149.0 91.1 273.3

158 0.0 48.2 144.6#

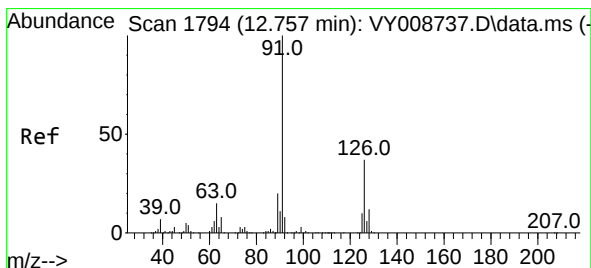
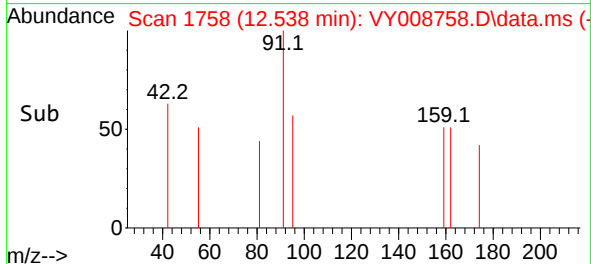
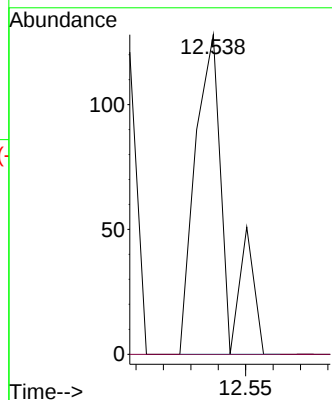
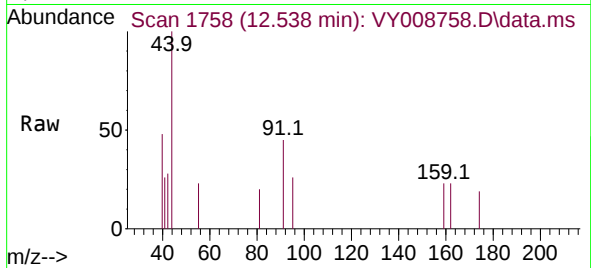




#78
n-propylbenzene
Concen: 1.973 ug/l
RT: 12.538 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

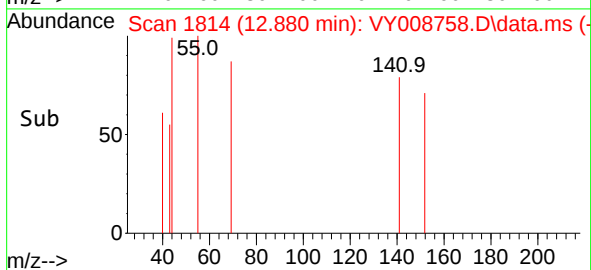
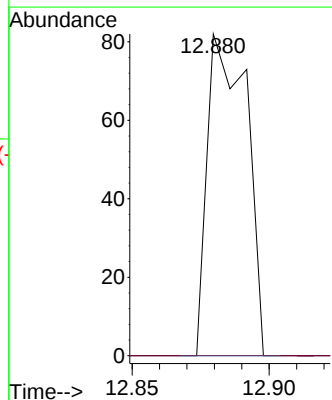
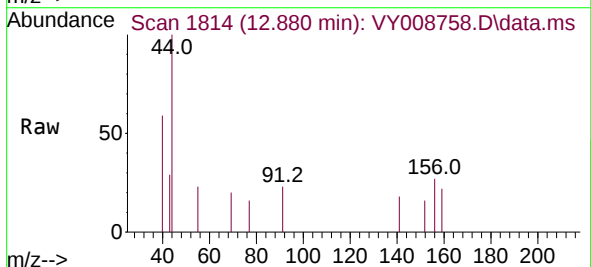
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

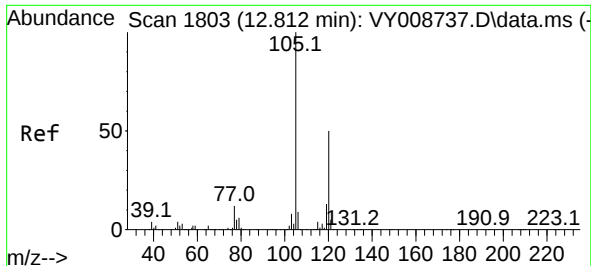
Tgt Ion: 91 Resp: 98
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#



#79
2-Chlorotoluene
Concen: 3.067 ug/l
RT: 12.880 min Scan# 1814
Delta R.T. 0.122 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#

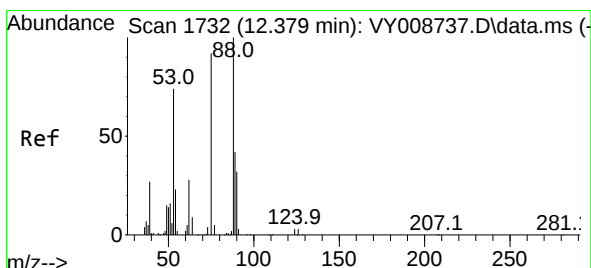
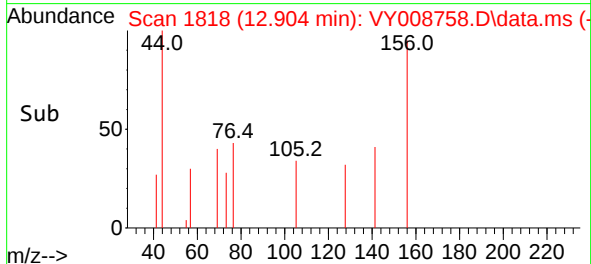
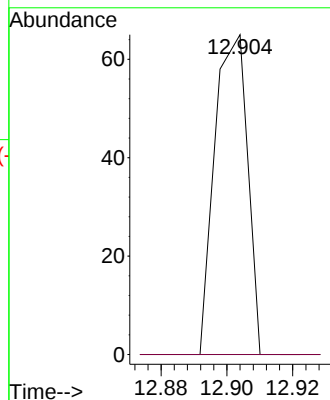
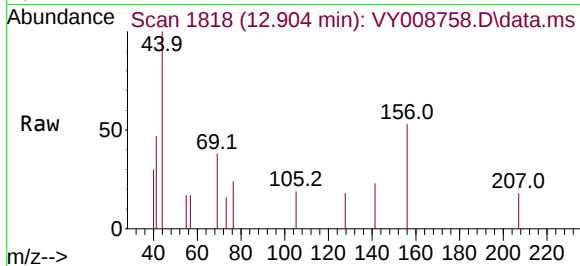




#80
1,3,5-Trimethylbenzene
Concen: 1.346 ug/l
RT: 12.904 min Scan# 11
Delta R.T. 0.092 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

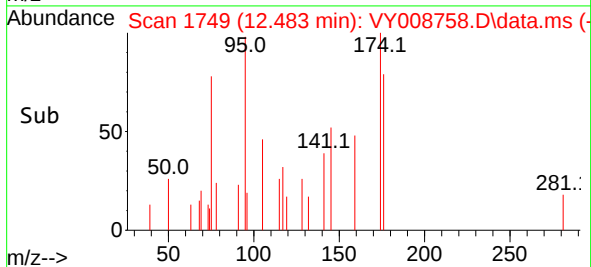
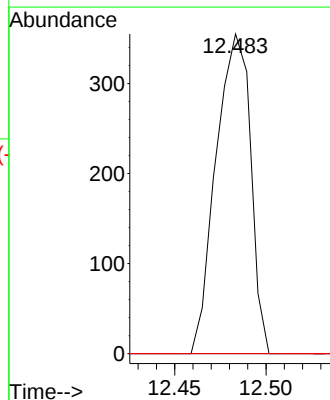
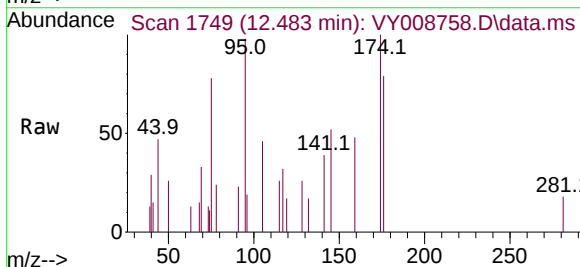
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

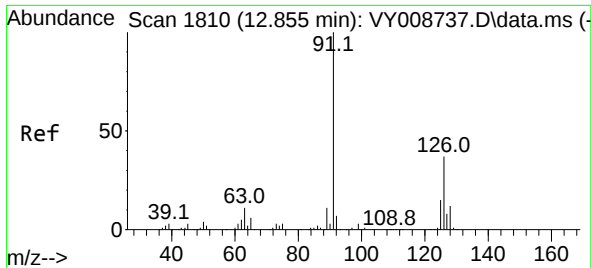
Tgt Ion:105 Resp: 45
Ion Ratio Lower Upper
105 100
120 0.0 25.1 75.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 165.418 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 36.8 55.2#

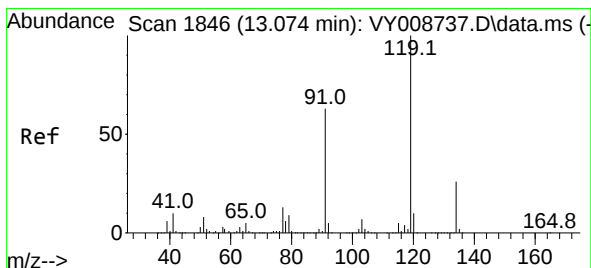
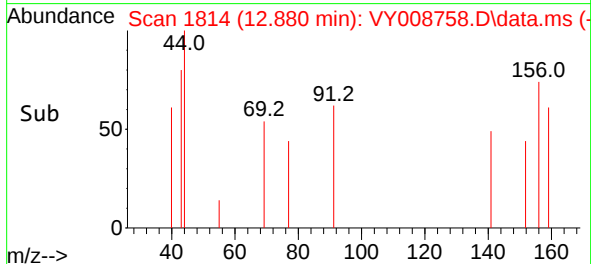
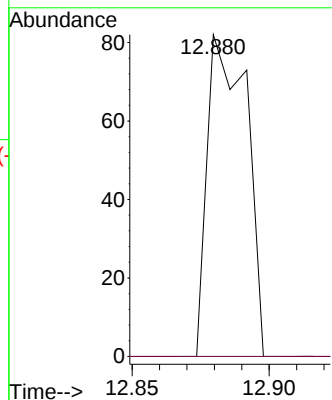
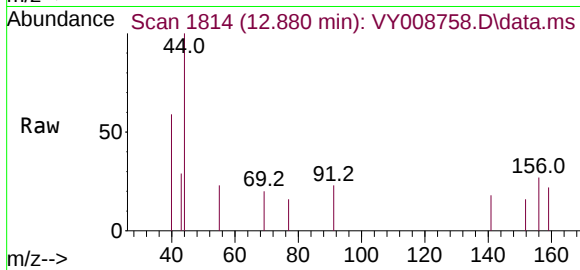




#82
4-Chlorotoluene
Concen: 2.913 ug/l
RT: 12.880 min Scan# 1814
Delta R.T. 0.025 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

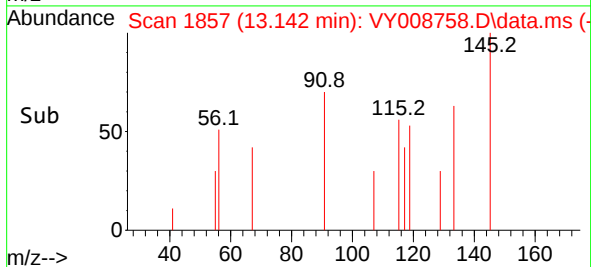
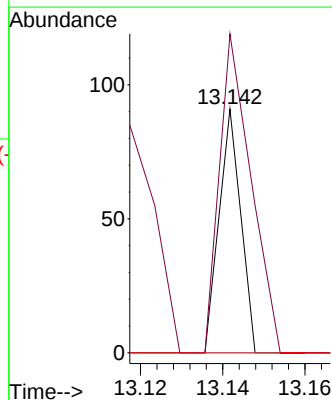
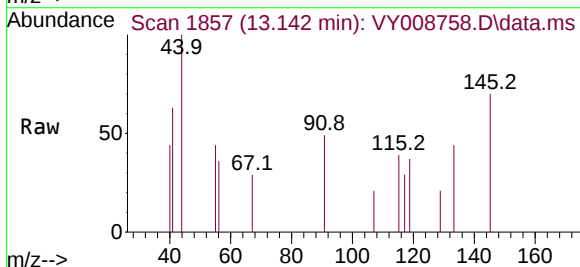
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MSVOA_Y
ClientSampleId :
VNJ-239

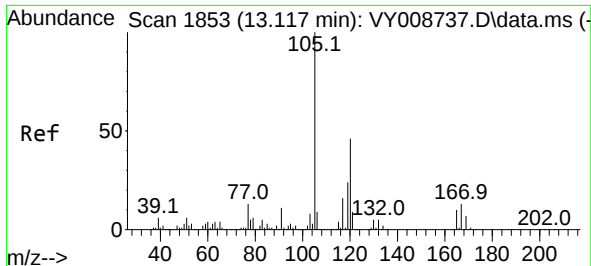
Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.8#



#83
tert-Butylbenzene
Concen: 1.111 ug/l
RT: 13.142 min Scan# 1857
Delta R.T. 0.067 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 119 Resp: 33
Ion Ratio Lower Upper
119 100
91 193.9 31.2 93.6#
134 0.0 13.5 40.5#

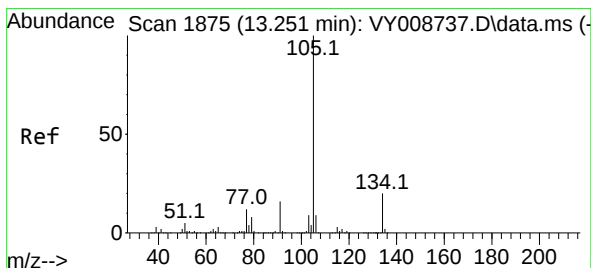
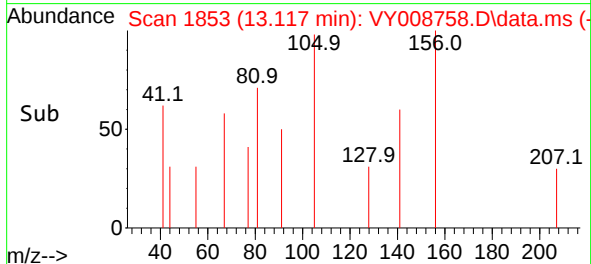
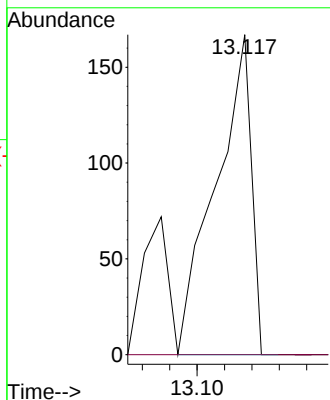
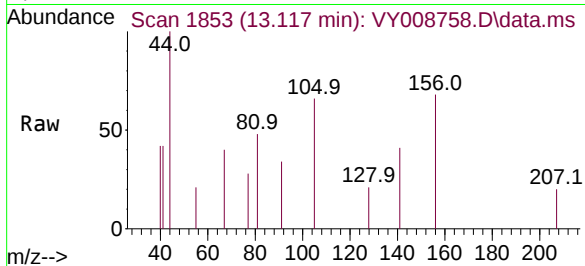




#84
1,2,4-Trimethylbenzene
Concen: 4.544 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

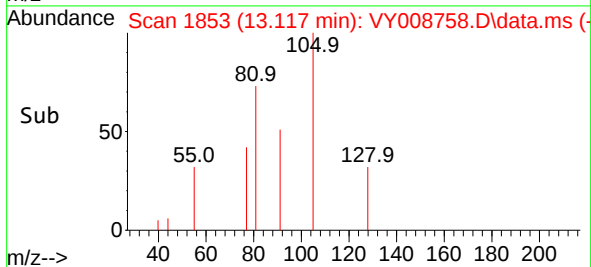
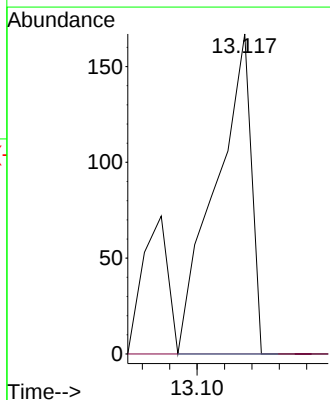
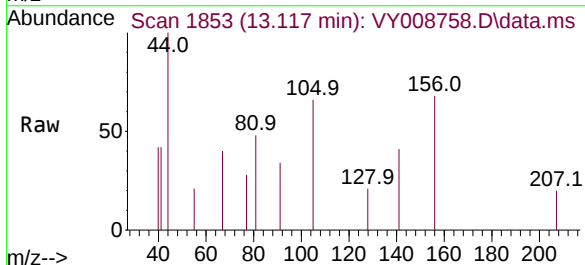
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

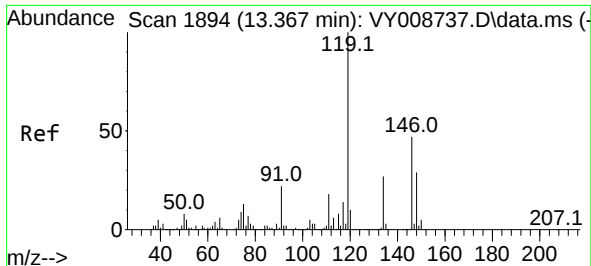
Tgt Ion:105 Resp: 151
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#



#85
sec-Butylbenzene
Concen: 3.350 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion:105 Resp: 151
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

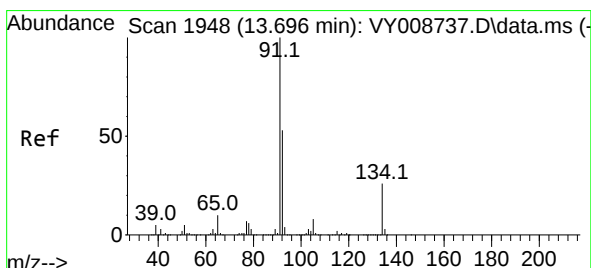
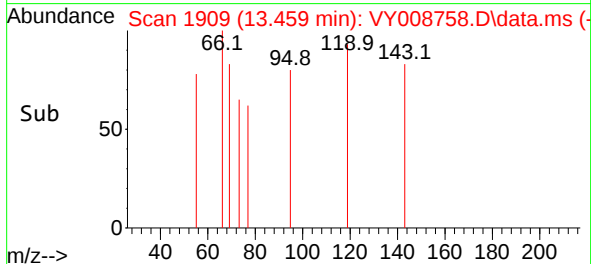
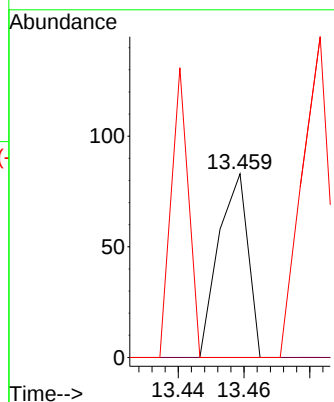
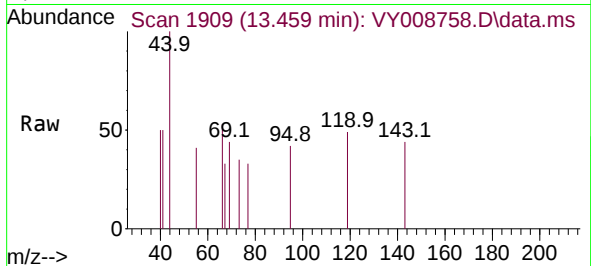




#86
p-Isopropyltoluene
Concen: 1.382 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.092 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

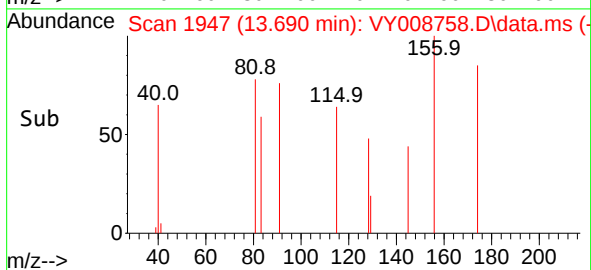
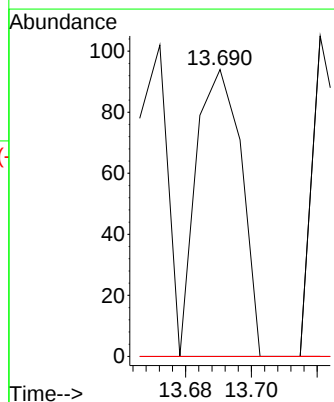
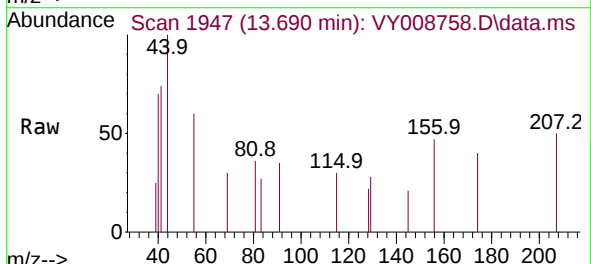
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-239

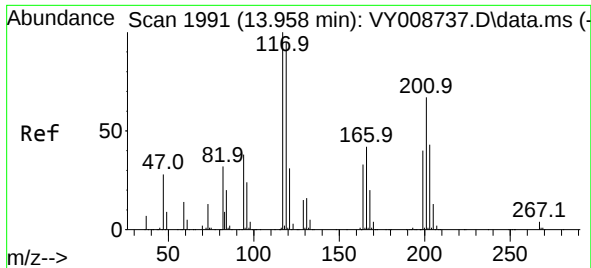
Tgt Ion:119 Resp: 52
Ion Ratio Lower Upper
119 100
134 0.0 13.3 39.9#
91 92.3 11.1 33.3#



#89
n-Butylbenzene
Concen: 2.530 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY008758.D
Acq: 13 May 2022 18:45

Tgt Ion: 91 Resp: 89
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 0.0 13.2 39.6#





#90
 Hexachloroethane
 Concen: 12.968 ug/l
 RT: 14.020 min Scan# 20
 Delta R.T. 0.061 min
 Lab File: VY008758.D
 Acq: 13 May 2022 18:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-239

Tgt Ion:117 Resp: 90
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.4 103.1#

