

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021341.D
 Acq On : 26 Feb 2025 18:58
 Operator : SY/MD
 Sample : Q1427-01
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-227

Quant Time: Feb 27 00:42:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	155404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	290062	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90908	51.567	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.140%
35) Dibromofluoromethane	7.634	113	94236	49.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.160%
50) Toluene-d8	10.103	98	499871	67.367	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	134.740%#
62) 4-Bromofluorobenzene	12.401	95	264539	105.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	211.860%#

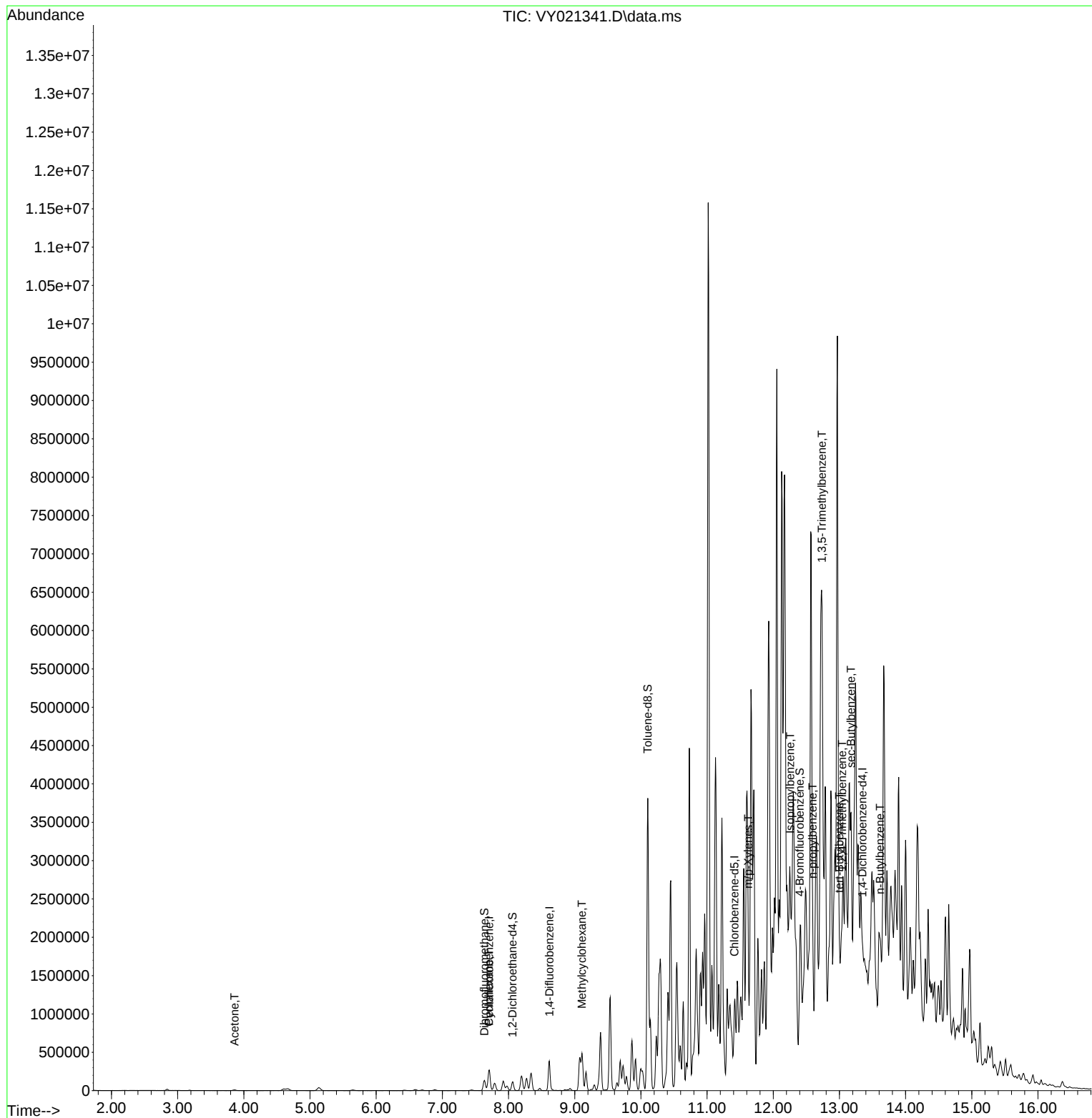
Target Compounds						Qvalue
16) Acetone	3.860	43	8434	24.940	ug/l	# 82
31) Cyclohexane	7.701	56	41027	13.200	ug/l	95
39) Methylcyclohexane	9.109	83	194514	53.325	ug/l	93
68) m/p-Xylenes	11.621	106	8670	1.999	ug/l	# 1
73) Isopropylbenzene	12.255	105	226800	17.845	ug/l	97
78) n-propylbenzene	12.597	91	425887	27.614	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	10634	1.020	ug/l	82
83) tert-Butylbenzene	12.999	119	27757	2.948	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.042	105	23116	2.230	ug/l	95
85) sec-Butylbenzene	13.176	105	603788	43.899	ug/l	# 77
89) n-Butylbenzene	13.615	91	236595	21.891	ug/l	# 70

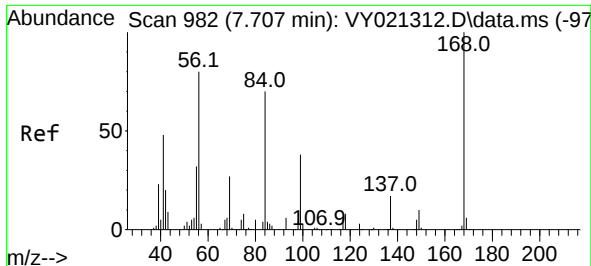
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
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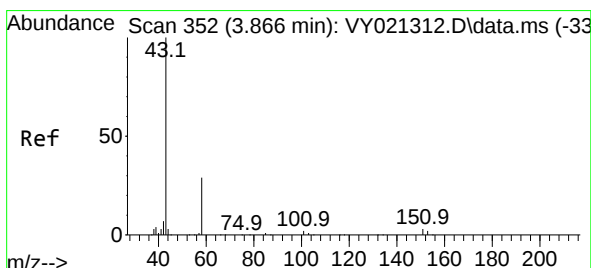
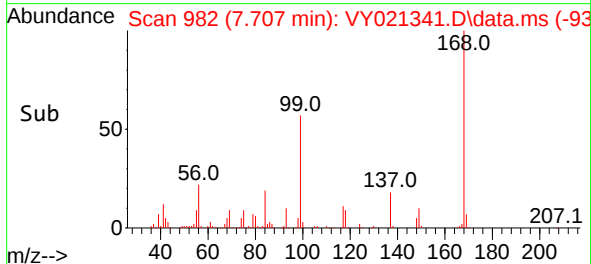
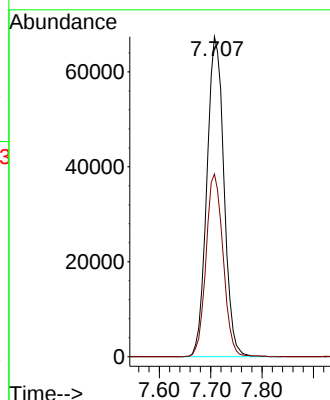
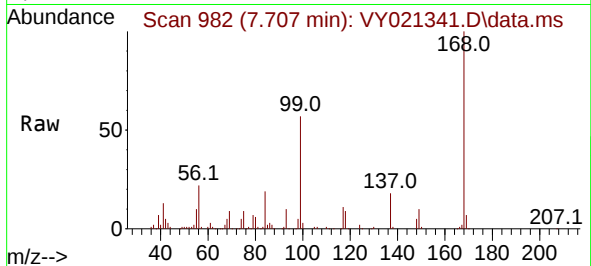




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

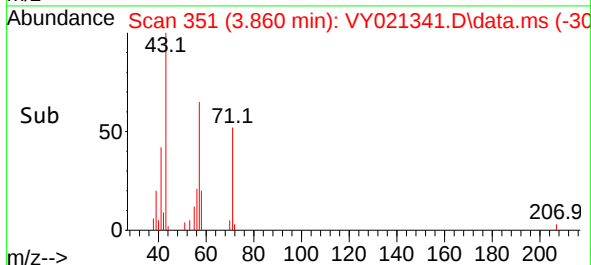
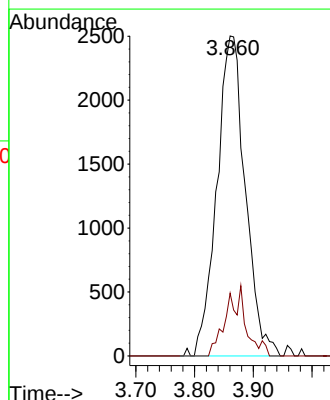
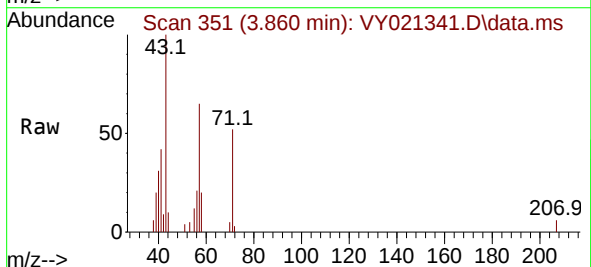
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

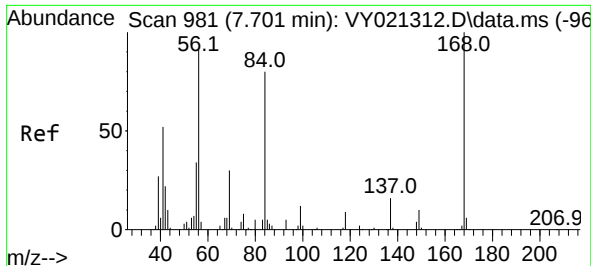
Tgt Ion:168 Resp: 155404
Ion Ratio Lower Upper
168 100
99 57.1 47.1 70.7



#16
Acetone
Concen: 24.940 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion: 43 Resp: 8434
Ion Ratio Lower Upper
43 100
58 19.6 23.5 35.3#

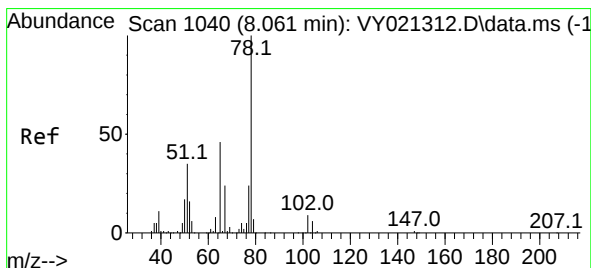
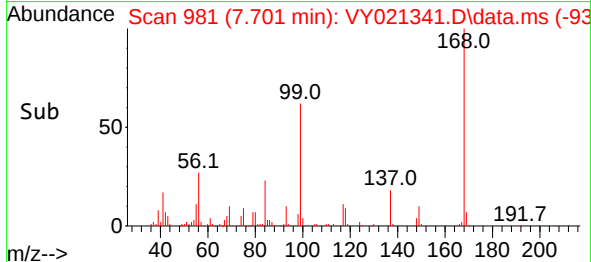
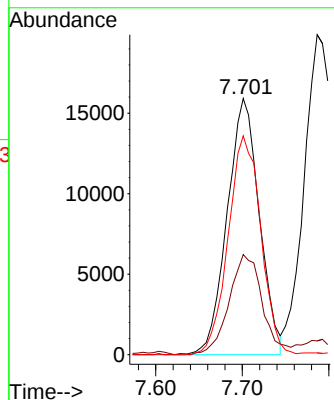
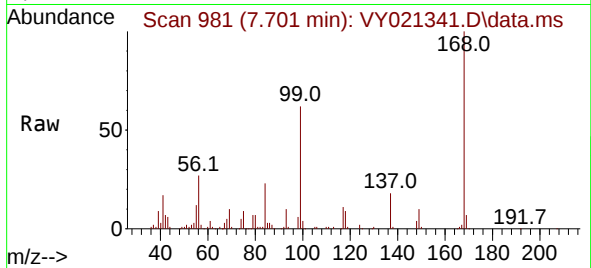




#31
Cyclohexane
Concen: 13.200 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

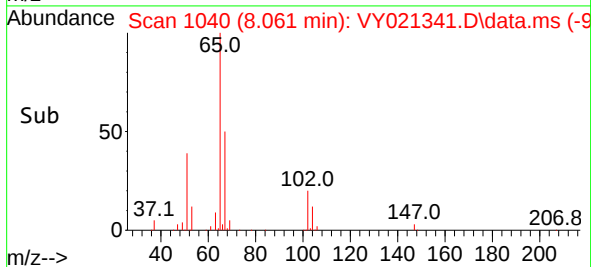
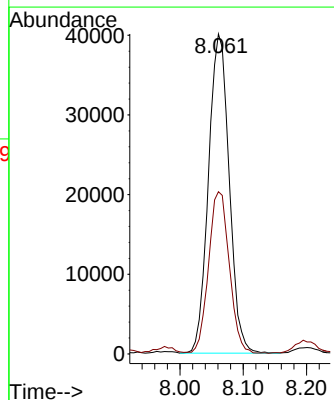
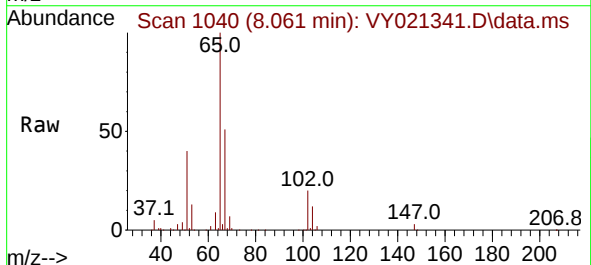
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

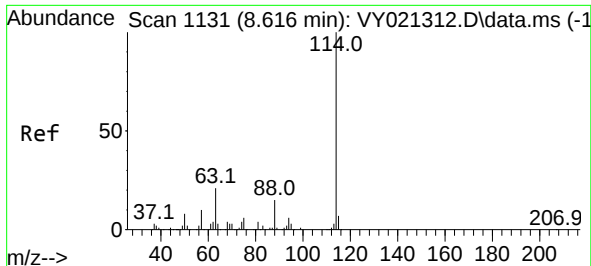
Tgt Ion: 56 Resp: 41027
Ion Ratio Lower Upper
56 100
69 38.7 26.2 39.4
84 85.5 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 51.567 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion: 65 Resp: 90908
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.6

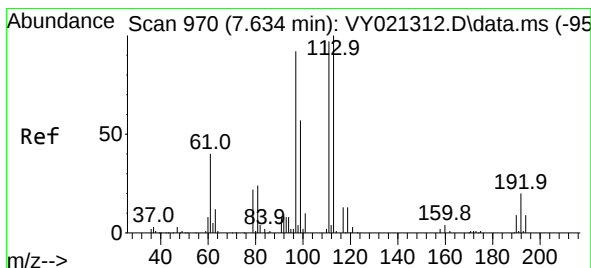
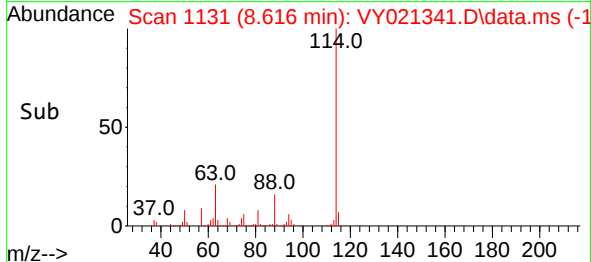
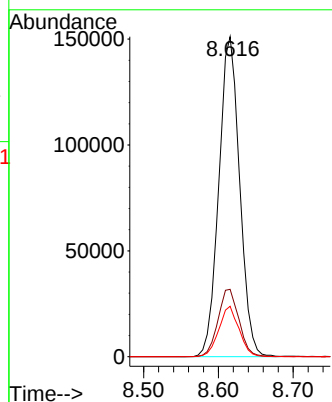
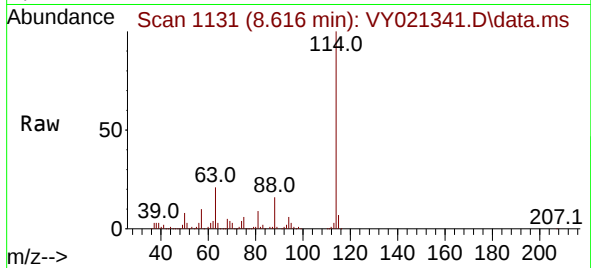




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

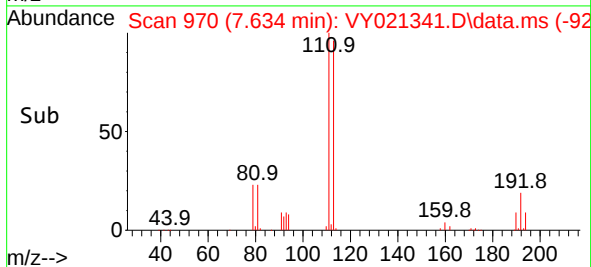
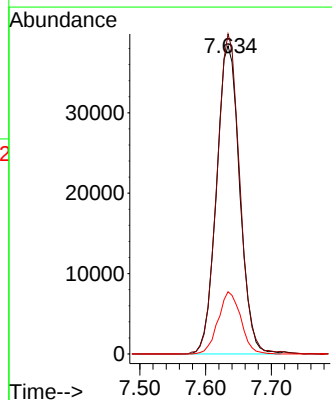
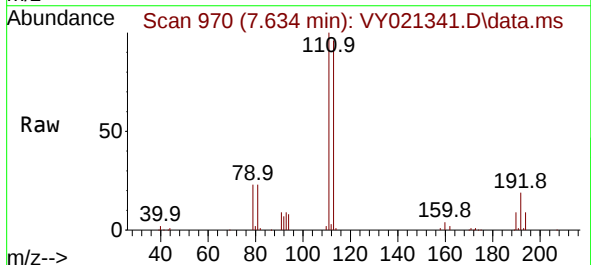
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

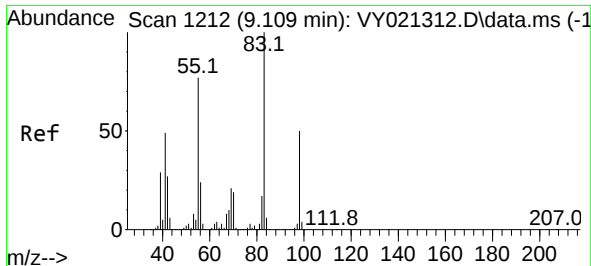
Tgt Ion:114 Resp: 292852
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.2
88 15.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 49.082 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion:113 Resp: 94236
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 19.7 15.8 23.8

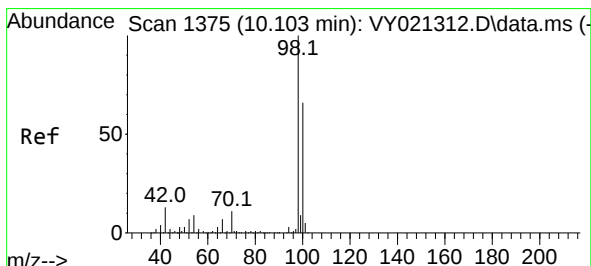
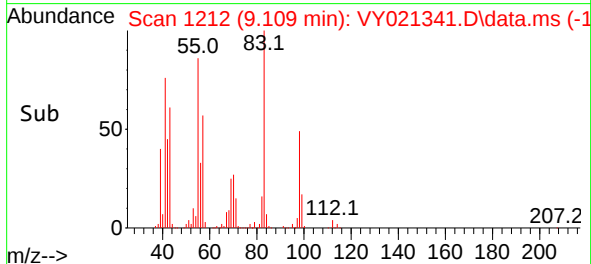
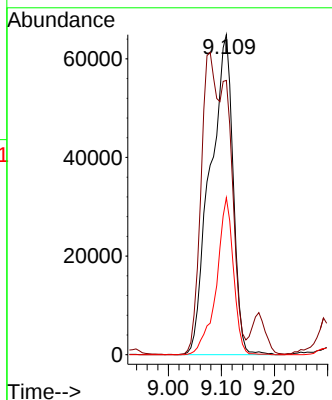
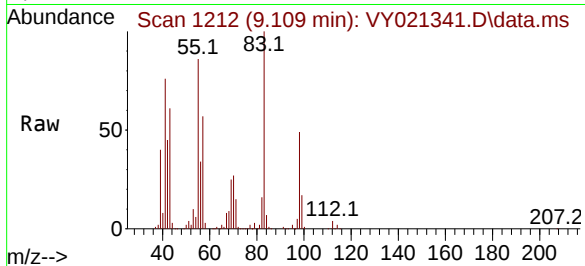




#39
Methylcyclohexane
Concen: 53.325 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

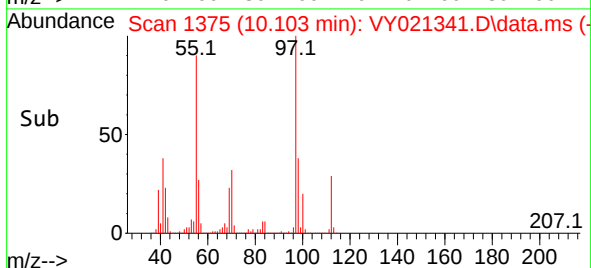
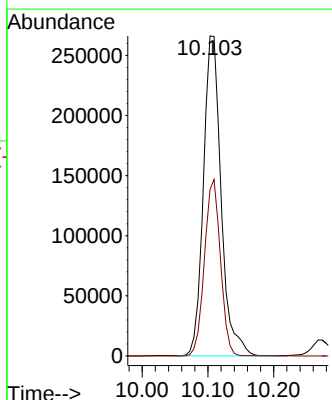
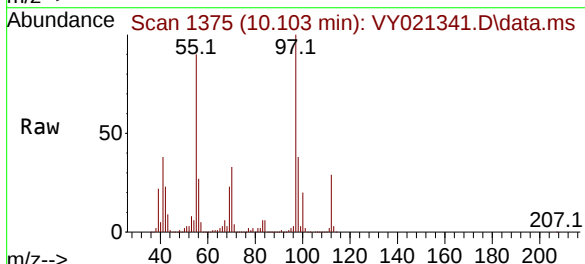
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

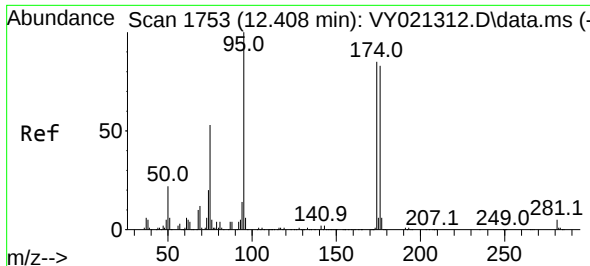
Tgt Ion: 83 Resp: 194514
Ion Ratio Lower Upper
83 100
55 85.7 61.3 91.9
98 49.0 39.9 59.9



#50
Toluene-d8
Concen: 67.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion: 98 Resp: 499871
Ion Ratio Lower Upper
98 100
100 49.6 52.4 78.6#

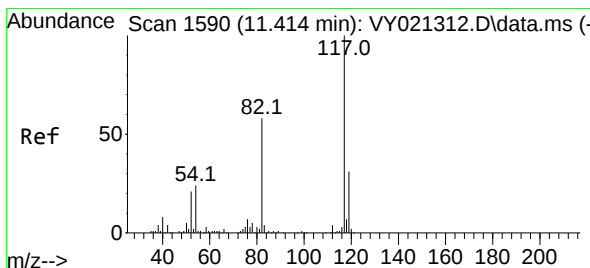
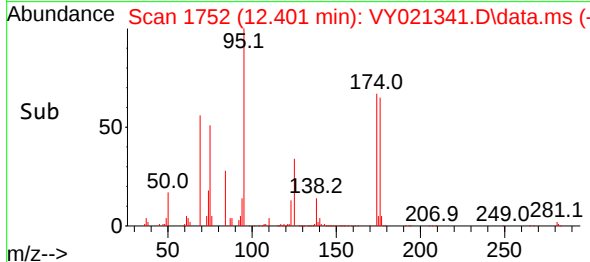
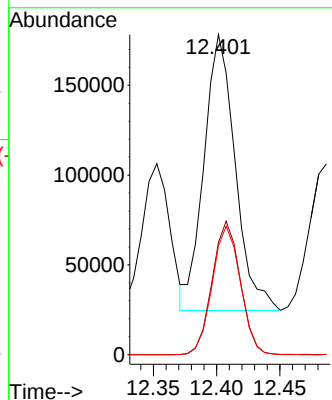
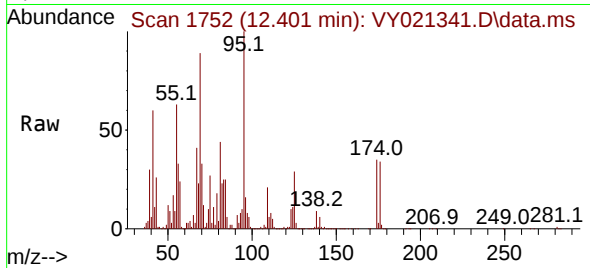




#62
4-Bromofluorobenzene
Concen: 105.934 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

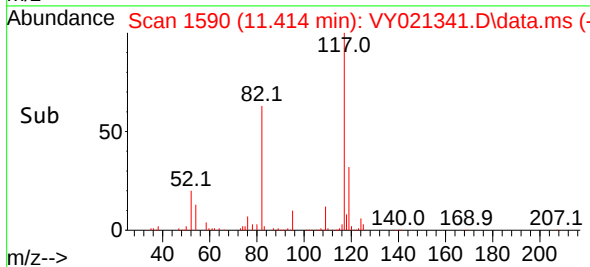
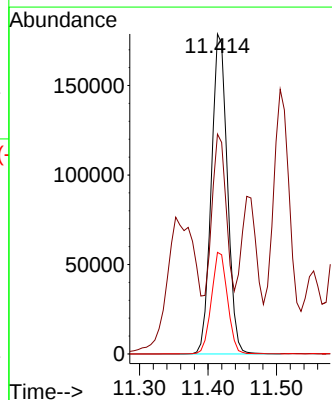
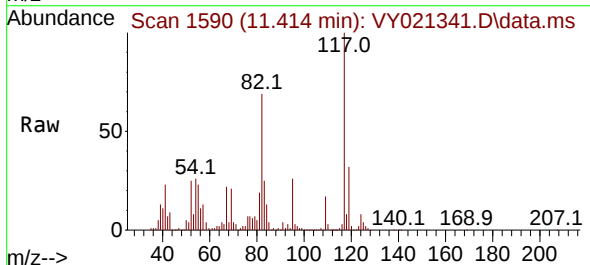
Instrument :
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ClientSampleId :
VNJ-227

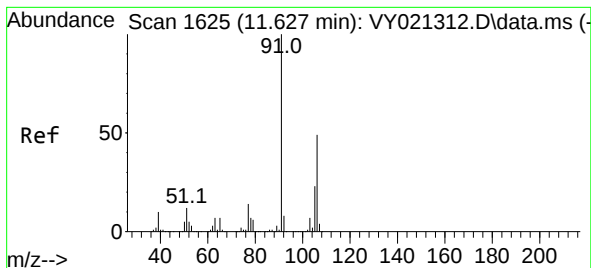
Tgt Ion: 95 Resp: 264539
Ion Ratio Lower Upper
95 100
174 43.4 0.0 168.0
176 41.9 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion: 117 Resp: 290062
Ion Ratio Lower Upper
117 100
82 28.4 46.2 69.4#
119 31.7 24.9 37.3





#68

m/p-Xylenes

Concen: 1.999 ug/l

RT: 11.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021341.D

Acq: 26 Feb 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

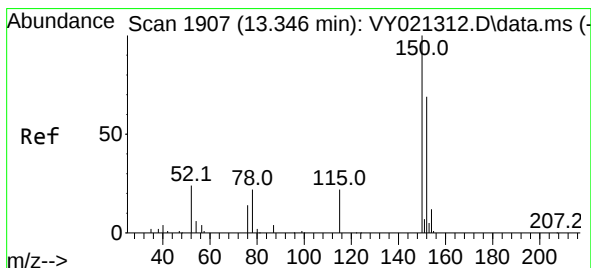
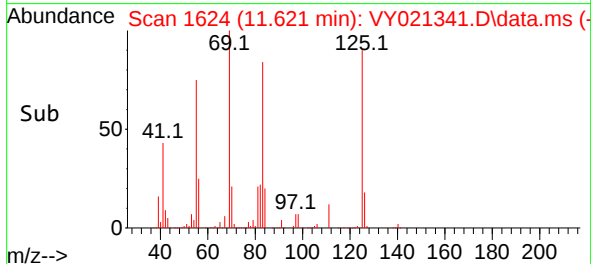
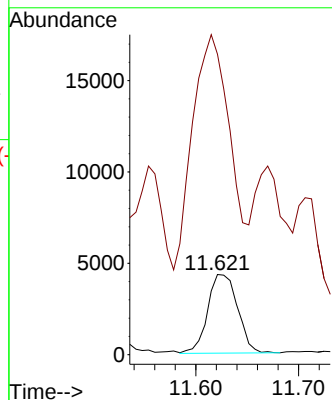
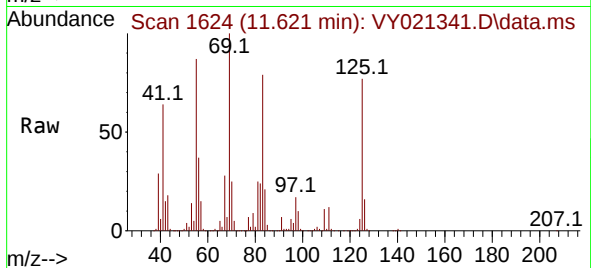
VNJ-227

Tgt Ion:106 Resp: 8670

Ion Ratio Lower Upper

106 100

91 441.3 163.9 245.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021341.D

Acq: 26 Feb 2025 18:58

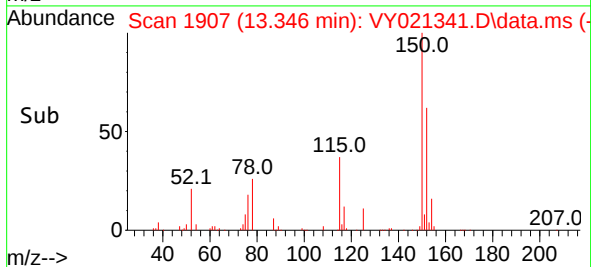
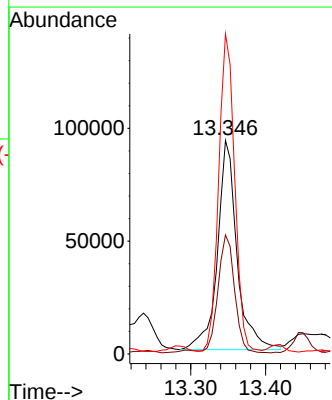
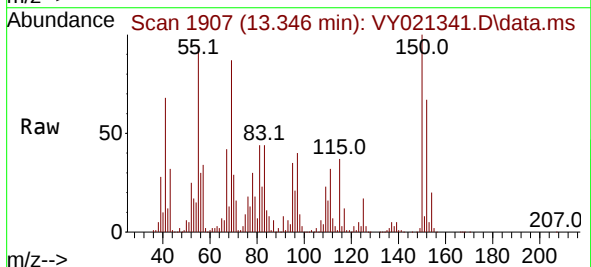
Tgt Ion:152 Resp: 169059

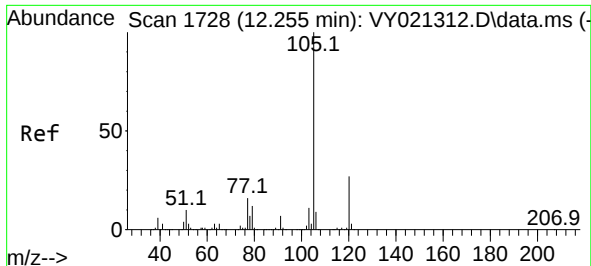
Ion Ratio Lower Upper

152 100

115 47.3 29.3 88.0

150 124.0 0.0 347.4

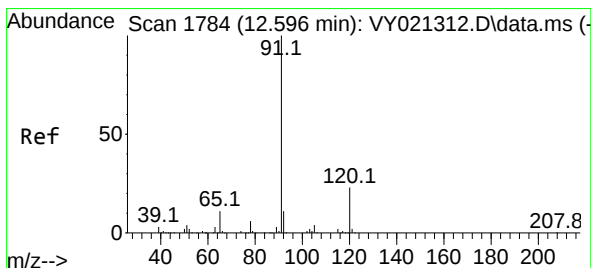
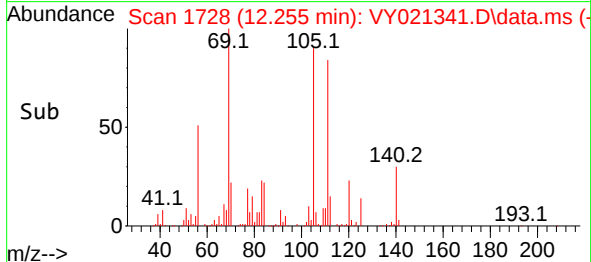
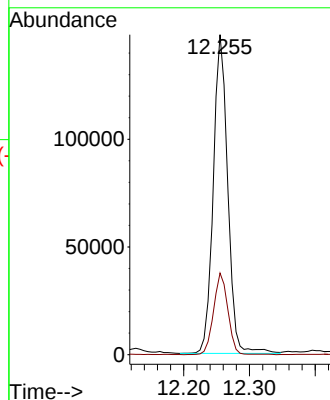
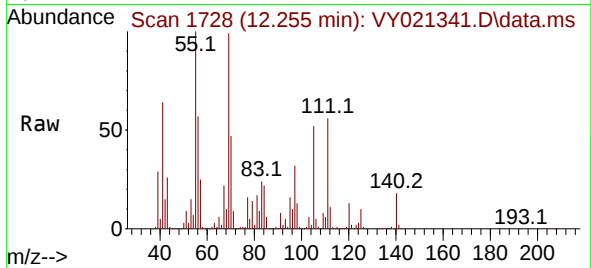




#73
Isopropylbenzene
Concen: 17.845 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

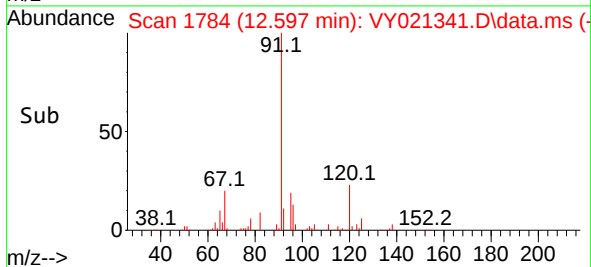
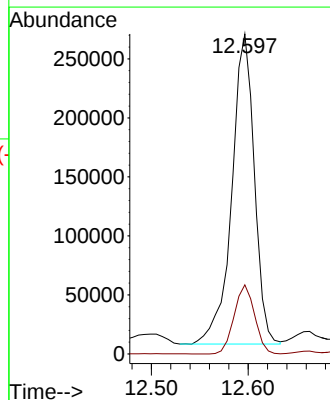
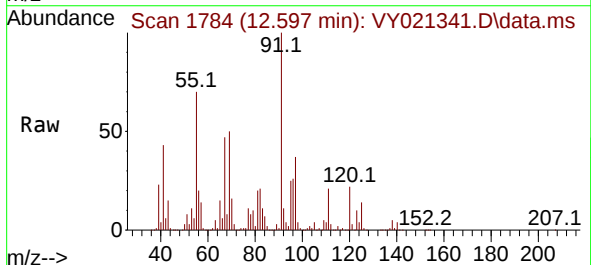
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

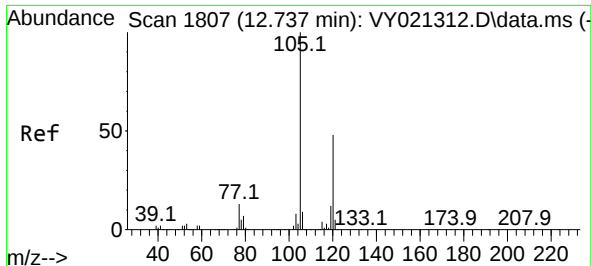
Tgt Ion:105 Resp: 226800
Ion Ratio Lower Upper
105 100
120 25.2 13.3 39.8



#78
n-propylbenzene
Concen: 27.614 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion: 91 Resp: 425887
Ion Ratio Lower Upper
91 100
120 20.2 11.2 33.5

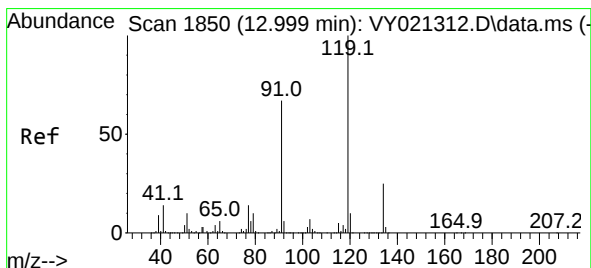
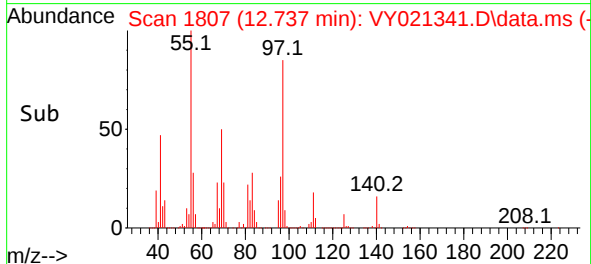
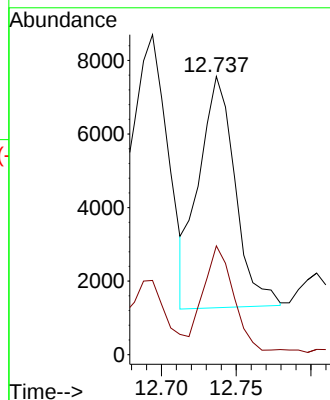
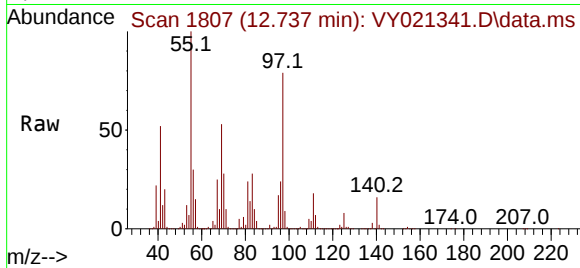




#80
1,3,5-Trimethylbenzene
Concen: 1.020 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

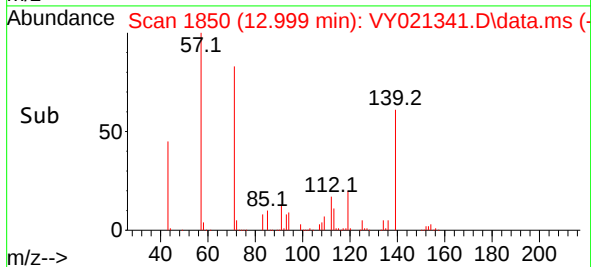
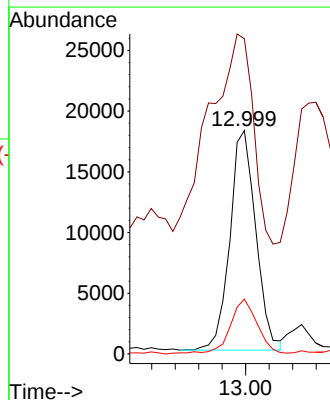
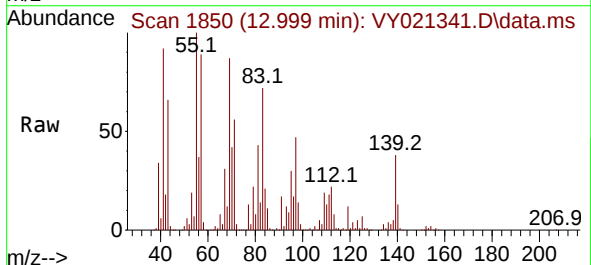
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

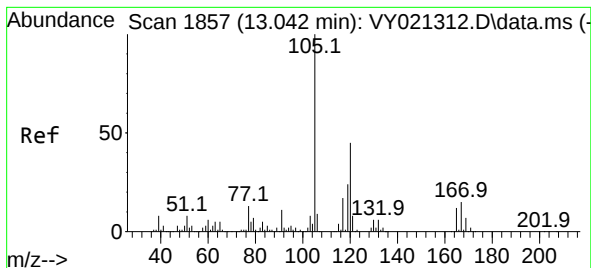
Tgt Ion:105 Resp: 10634
Ion Ratio Lower Upper
105 100
120 36.4 24.3 73.0



#83
tert-Butylbenzene
Concen: 2.948 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021341.D
Acq: 26 Feb 2025 18:58

Tgt Ion:119 Resp: 27757
Ion Ratio Lower Upper
119 100
91 162.0 32.7 98.1#
134 26.4 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 2.230 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021341.D

Acq: 26 Feb 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

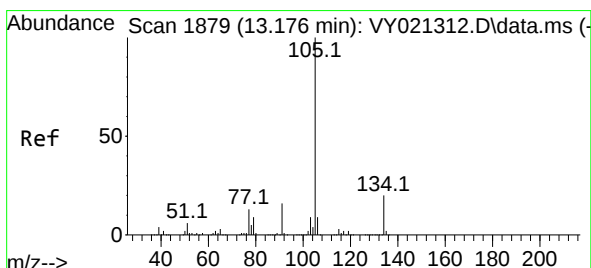
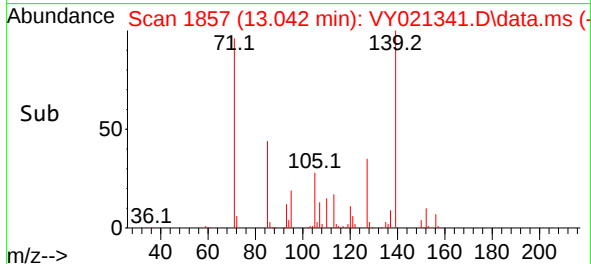
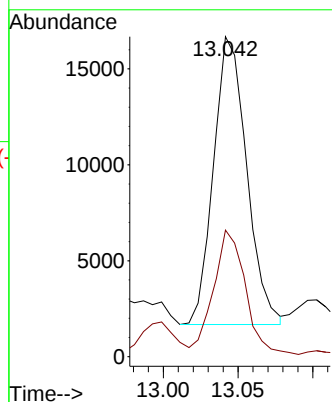
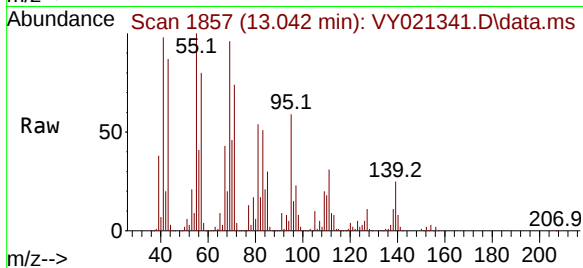
VNJ-227

Tgt Ion:105 Resp: 23116

Ion Ratio Lower Upper

105 100

120 41.4 22.4 67.3



#85

sec-Butylbenzene

Concen: 43.899 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021341.D

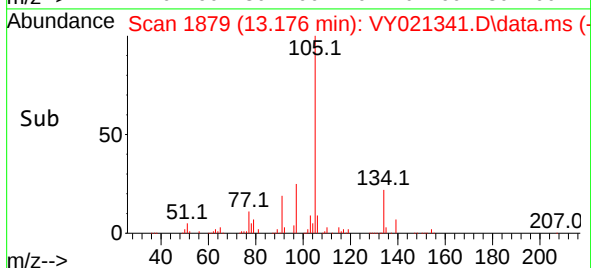
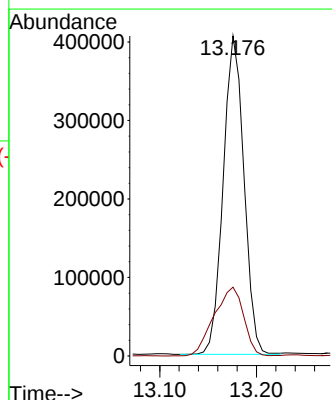
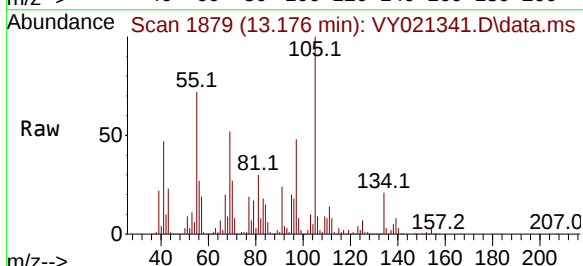
Acq: 26 Feb 2025 18:58

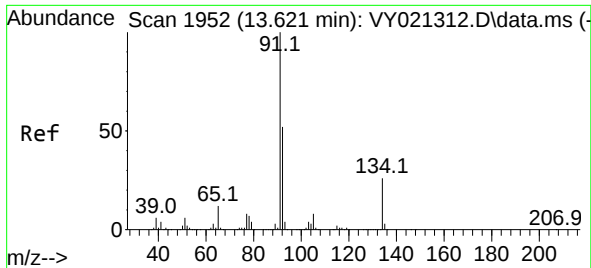
Tgt Ion:105 Resp: 603788

Ion Ratio Lower Upper

105 100

134 30.8 10.0 30.0#





#89

n-Butylbenzene

Concen: 21.891 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY021341.D

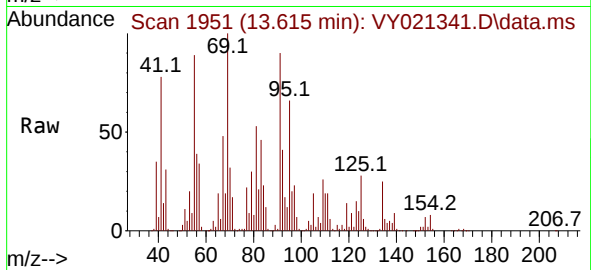
Acq: 26 Feb 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-227



Tgt Ion: 91 Resp: 236595

Ion Ratio Lower Upper

91 100

92 38.4 26.4 79.2

134 0.0 12.7 38.0#

