

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016959.D
 Acq On : 09 Jan 2024 19:18
 Operator : SY/MD
 Sample : P1086-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 332

Quant Time: Jan 10 02:31:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	105623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	227652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	196676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	62696	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	47931	45.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.820%
35) Dibromofluoromethane	7.740	113	53760	37.058	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.120%
50) Toluene-d8	10.197	98	191918	38.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.840%
62) 4-Bromofluorobenzene	12.495	95	57302	33.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.000%

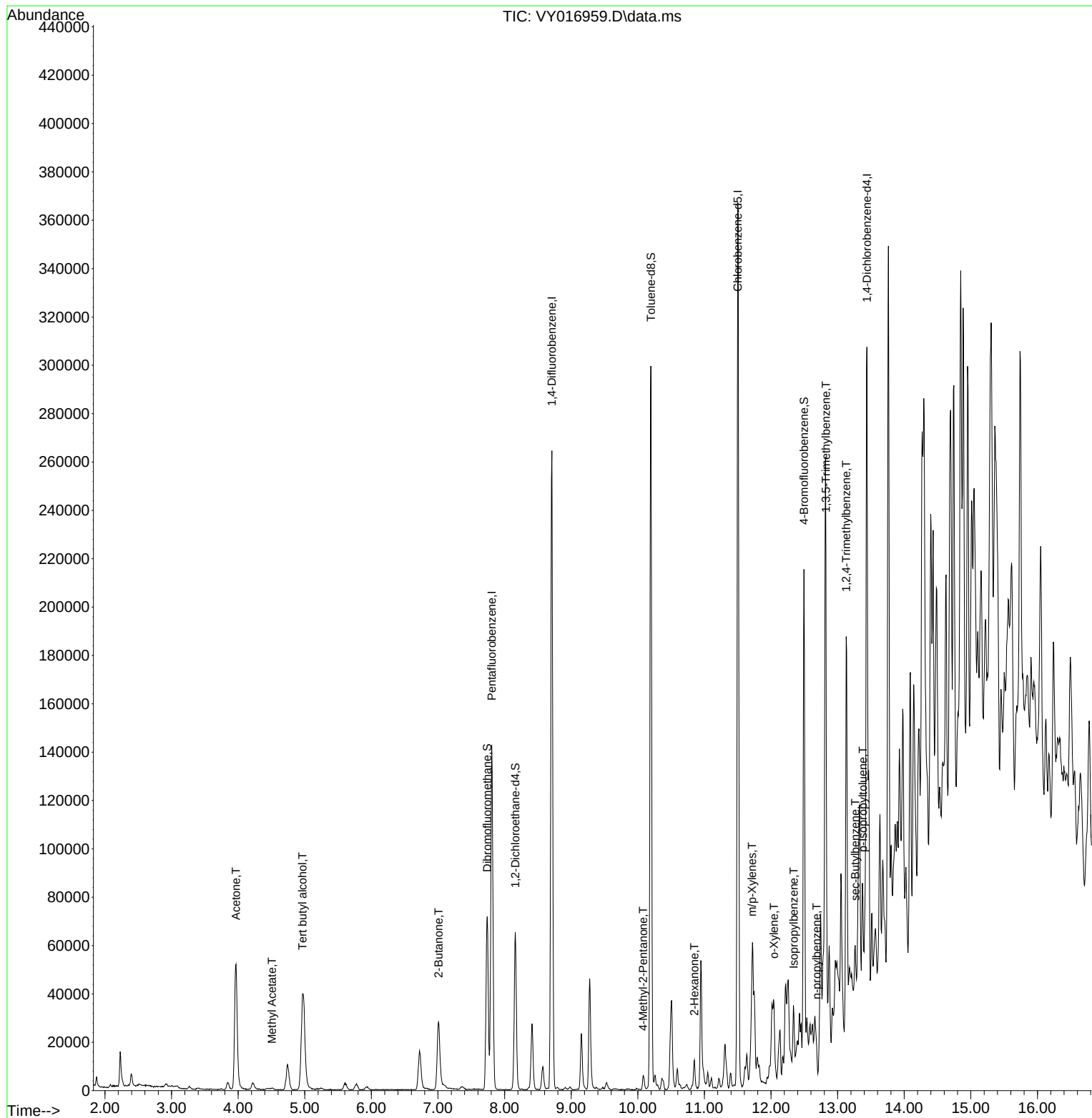
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	77625	1140.400	ug/l	97
16) Acetone	3.966	43	95277	383.167	ug/l	99
18) Methyl Acetate	4.509	43	1420	1.270	ug/l #	78
25) 2-Butanone	7.009	43	39874	106.355	ug/l	94
51) 4-Methyl-2-Pentanone	10.081	43	4175	4.267	ug/l	99
59) 2-Hexanone	10.849	43	8730	12.117	ug/l	91
68) m/p-Xylenes	11.715	106	9147	3.378	ug/l	99
69) o-Xylene	12.044	106	6013	2.369	ug/l	96
73) Isopropylbenzene	12.343	105	8528	1.666	ug/l	97
78) n-propylbenzene	12.684	91	8071	1.297	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	20588	5.085	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	85731	21.499	ug/l	100
85) sec-Butylbenzene	13.264	105	6404	1.212	ug/l	80
86) p-Isopropyltoluene	13.379	119	10047	2.304	ug/l	97

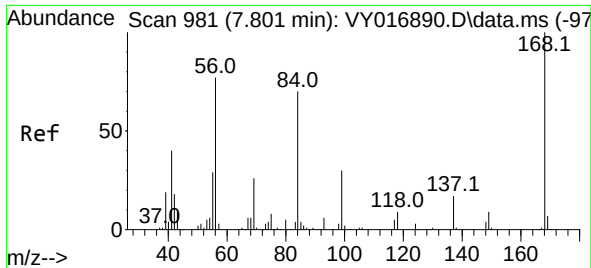
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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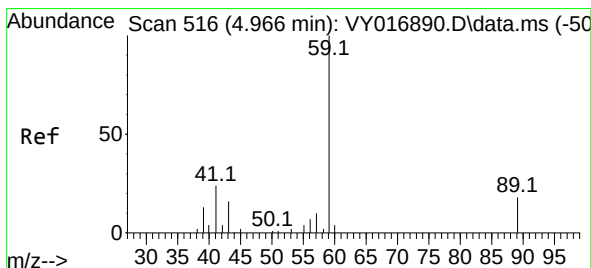
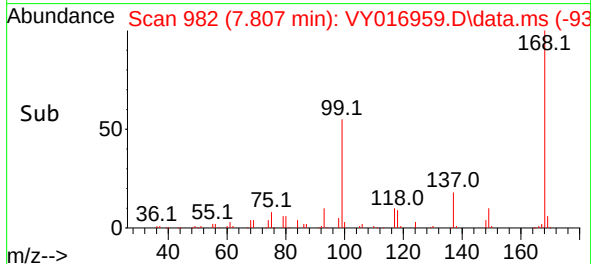
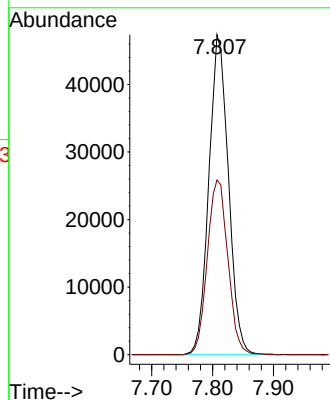
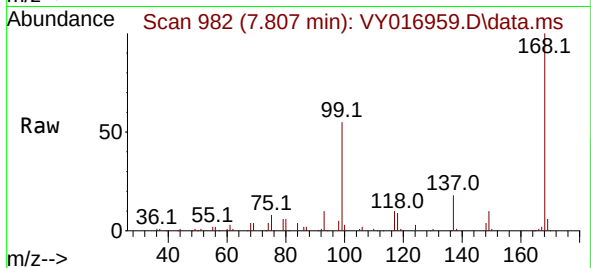




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

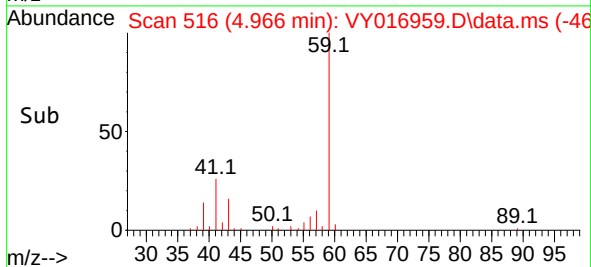
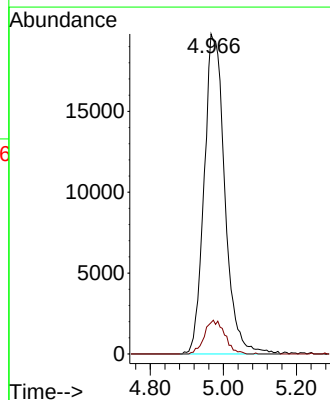
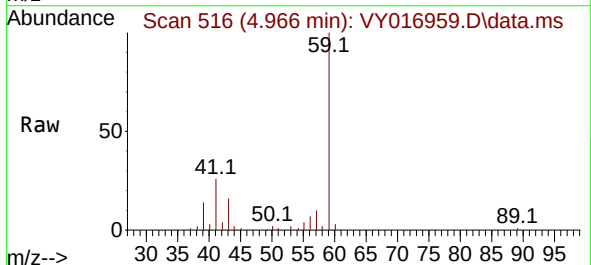
Instrument :
MSVOA_Y
ClientSampleId :
332

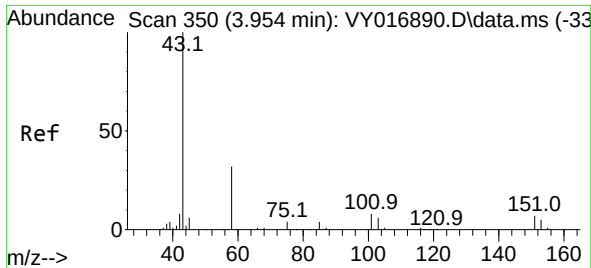
Tgt Ion:168 Resp: 105623
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 1140.400 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion: 59 Resp: 77625
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.0





#16

Acetone

Concen: 383.167 ug/l

RT: 3.966 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016959.D

Acq: 09 Jan 2024 19:18

Instrument :

MSVOA_Y

ClientSampleId :

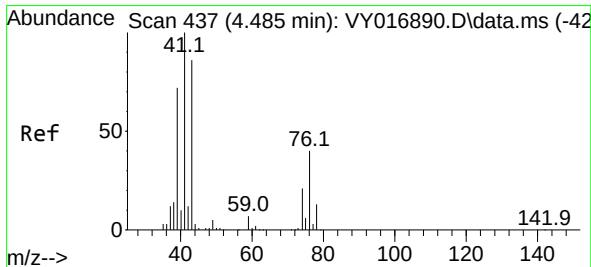
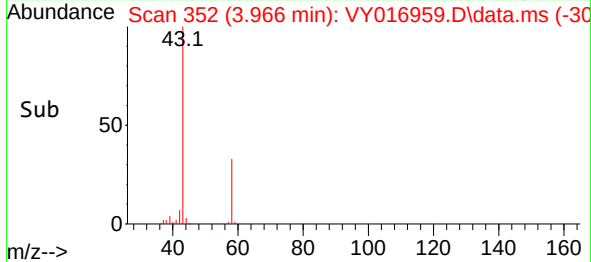
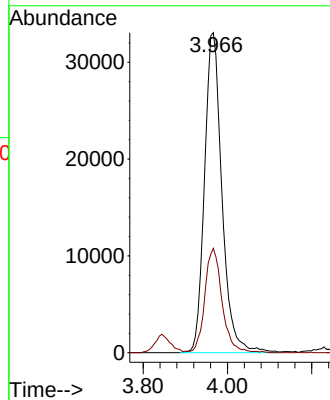
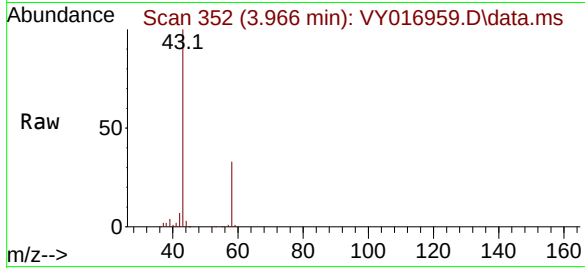
332

Tgt Ion: 43 Resp: 95277

Ion Ratio Lower Upper

43 100

58 32.6 26.6 39.8



#18

Methyl Acetate

Concen: 1.270 ug/l

RT: 4.509 min Scan# 441

Delta R.T. 0.012 min

Lab File: VY016959.D

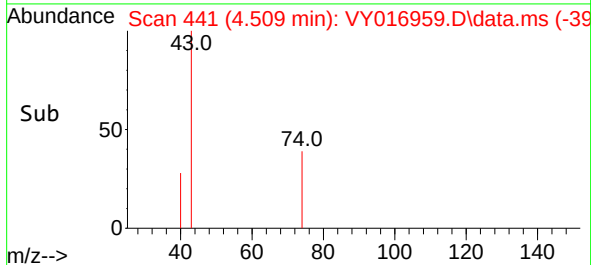
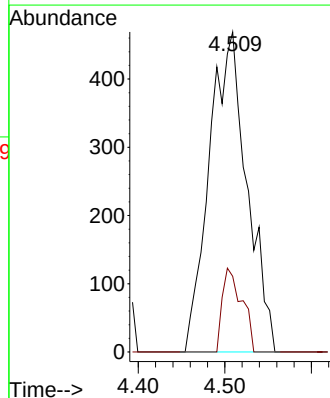
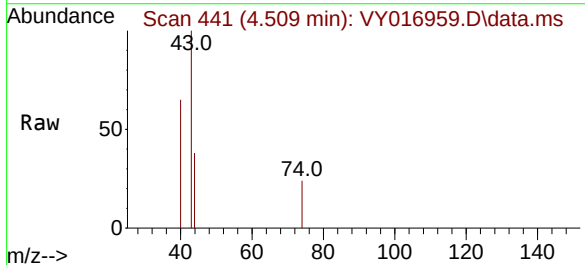
Acq: 09 Jan 2024 19:18

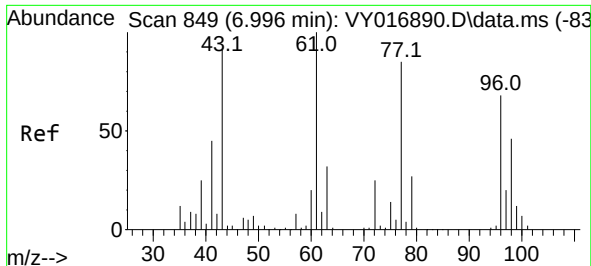
Tgt Ion: 43 Resp: 1420

Ion Ratio Lower Upper

43 100

74 13.5 19.8 29.6#





#25

2-Butanone

Concen: 106.355 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY016959.D

Acq: 09 Jan 2024 19:18

Instrument :

MSVOA_Y

ClientSampleId :

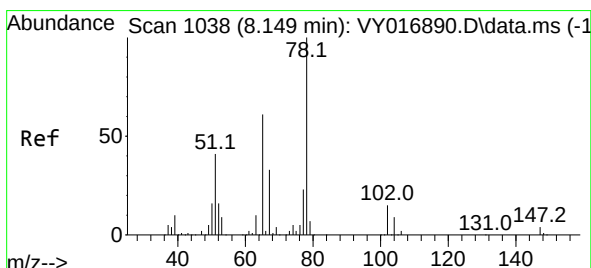
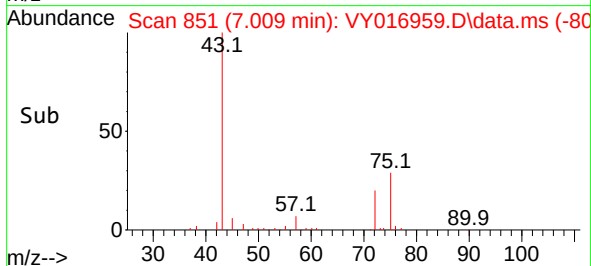
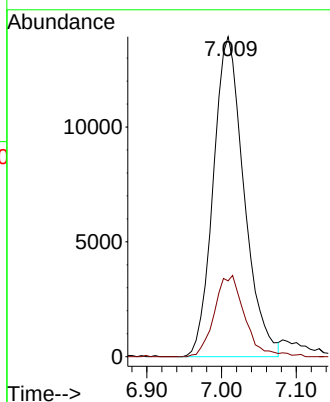
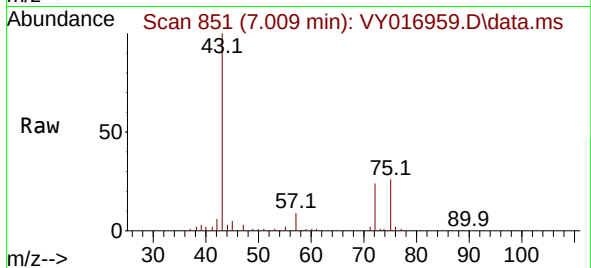
332

Tgt Ion: 43 Resp: 39874

Ion Ratio Lower Upper

43 100

72 23.7 21.4 32.2



#33

1,2-Dichloroethane-d4

Concen: 45.914 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY016959.D

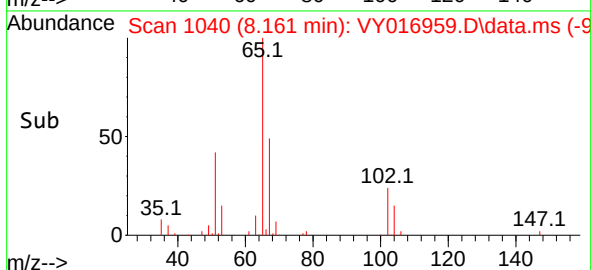
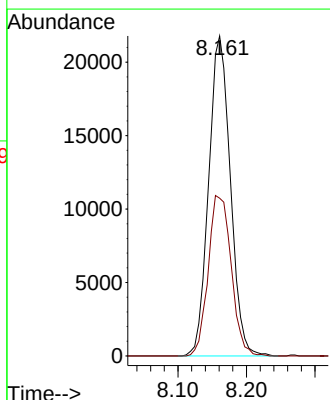
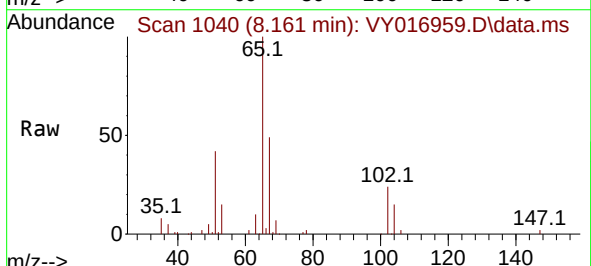
Acq: 09 Jan 2024 19:18

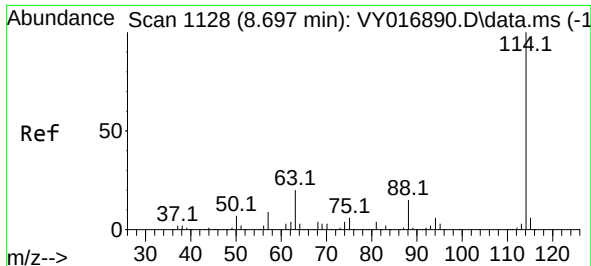
Tgt Ion: 65 Resp: 47931

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY016959.D

Acq: 09 Jan 2024 19:18

Instrument :

MSVOA_Y

ClientSampleId :

332

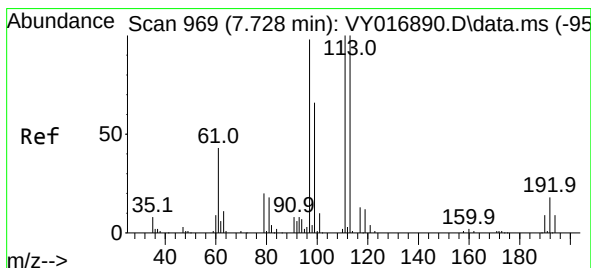
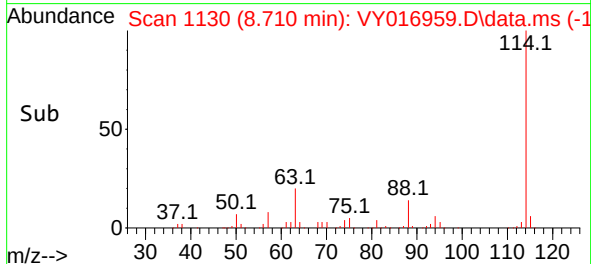
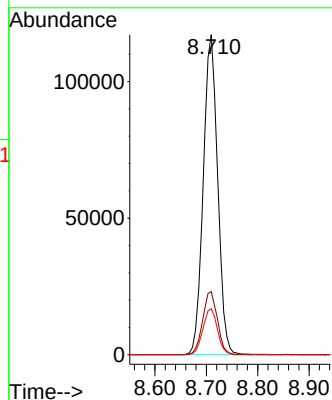
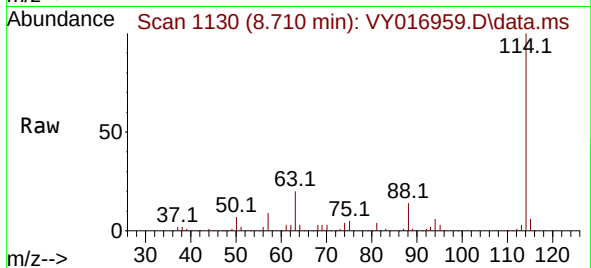
Tgt Ion:114 Resp: 227652

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.058 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016959.D

Acq: 09 Jan 2024 19:18

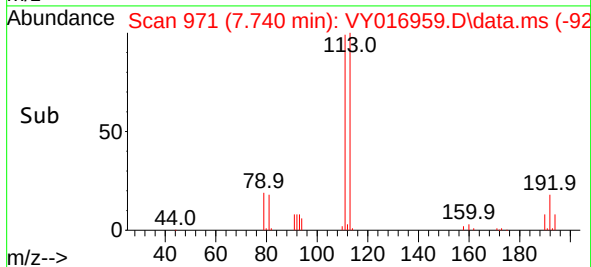
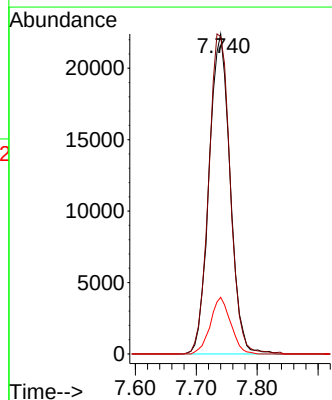
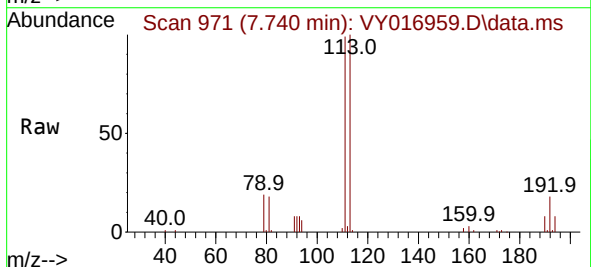
Tgt Ion:113 Resp: 53760

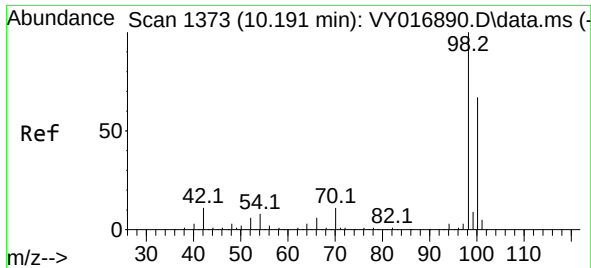
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 17.1 14.5 21.7

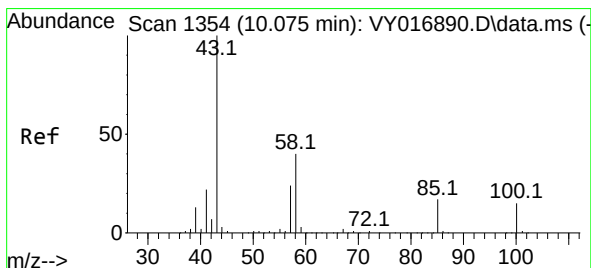
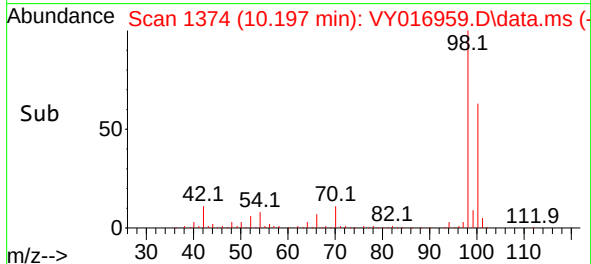
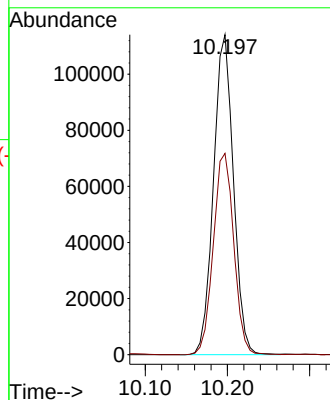
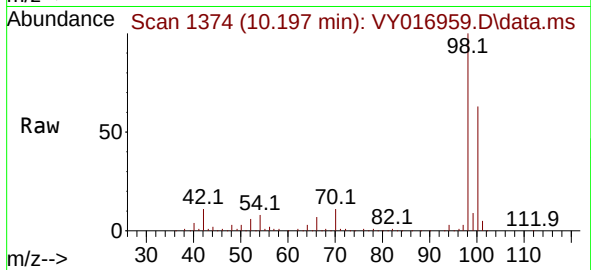




#50
Toluene-d8
Concen: 38.419 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

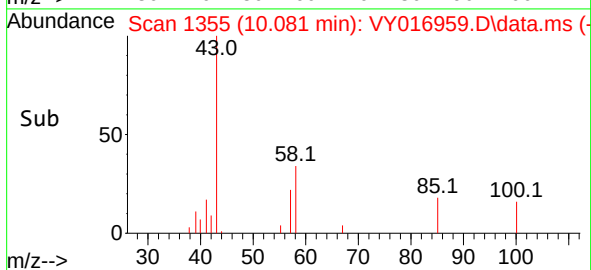
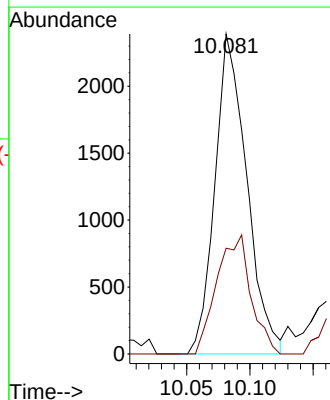
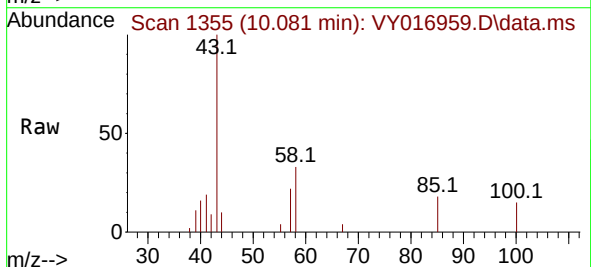
Instrument :
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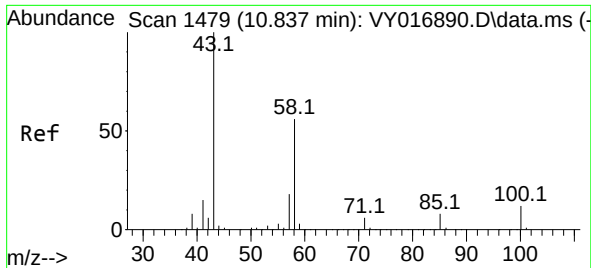
Tgt Ion: 98 Resp: 191918
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 4.267 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.000 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion: 43 Resp: 4175
Ion Ratio Lower Upper
43 100
58 39.9 32.2 48.2

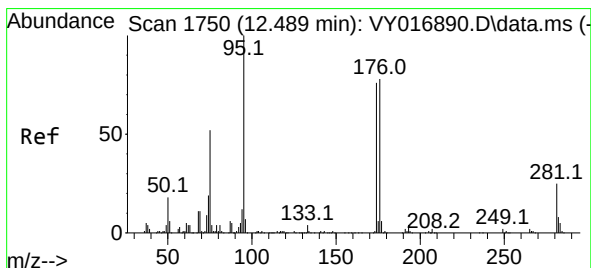
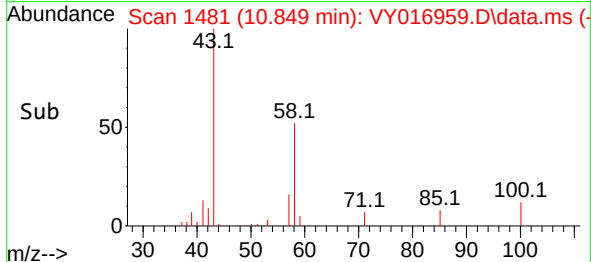
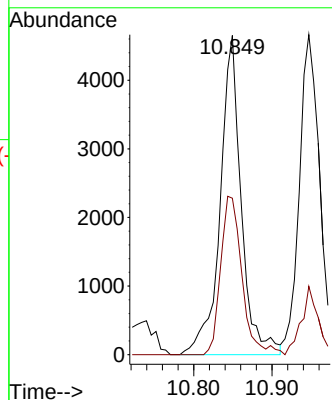
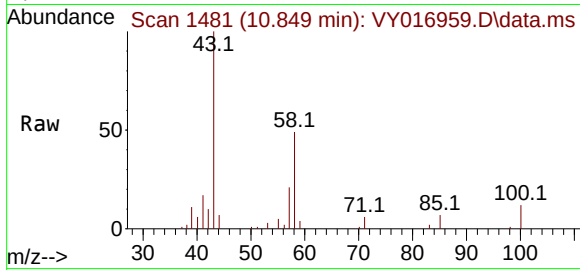




#59
2-Hexanone
Concen: 12.117 ug/l
RT: 10.849 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

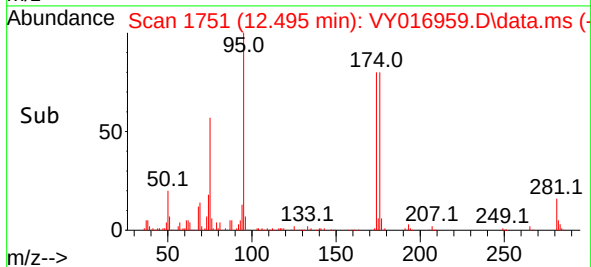
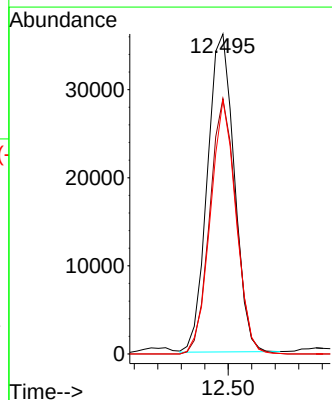
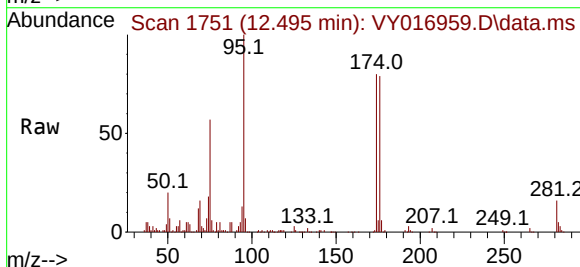
Instrument :
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ClientSampleId :
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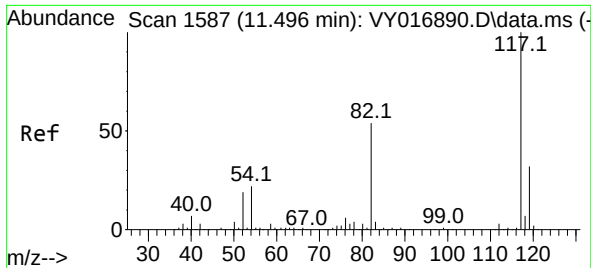
Tgt Ion: 43 Resp: 8730
Ion Ratio Lower Upper
43 100
58 49.9 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 33.999 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion: 95 Resp: 57302
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 76.4 0.0 151.8

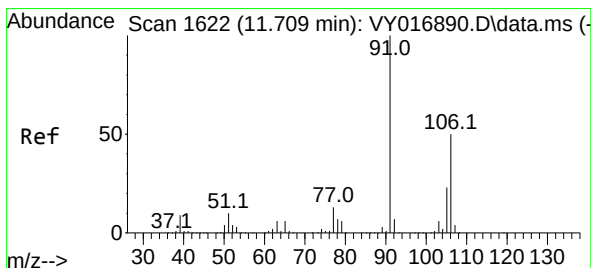
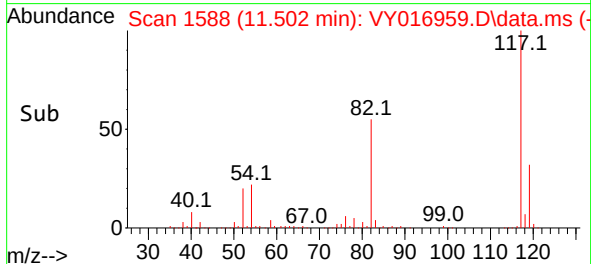
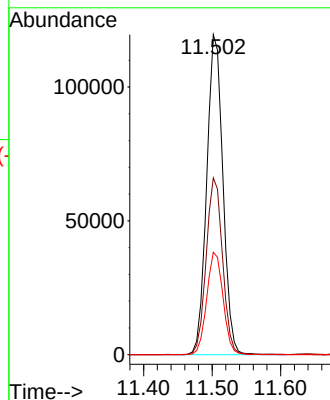
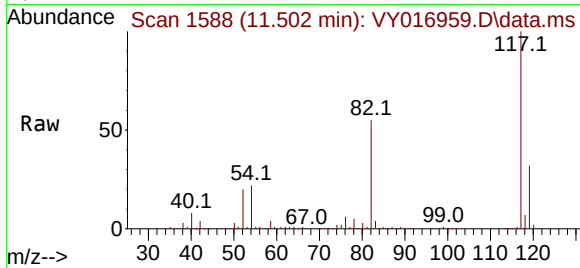




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

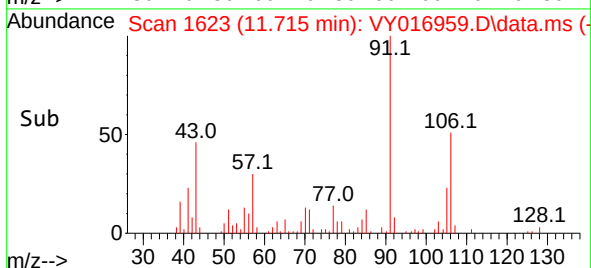
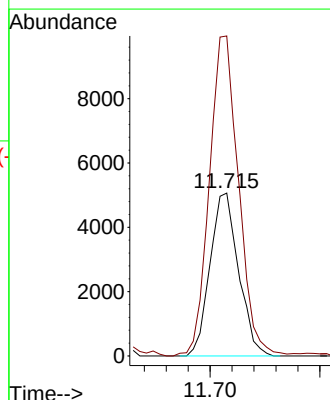
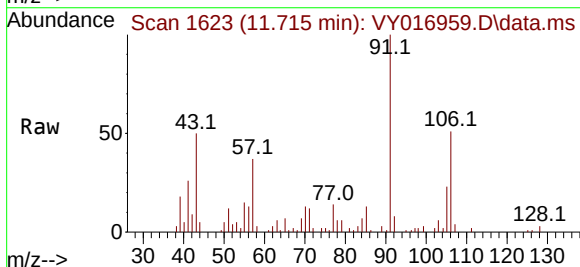
Instrument :
MSVOA_Y
ClientSampleId :
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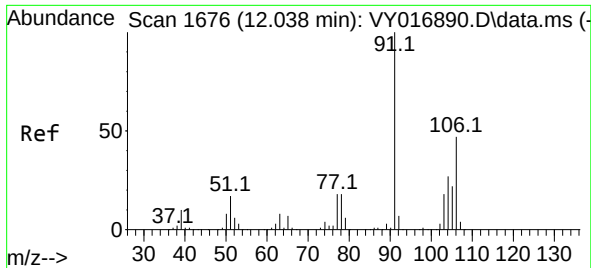
Tgt Ion:117 Resp: 196676
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.0 26.5 39.7



#68
m/p-Xylenes
Concen: 3.378 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion:106 Resp: 9147
Ion Ratio Lower Upper
106 100
91 201.8 160.7 241.1

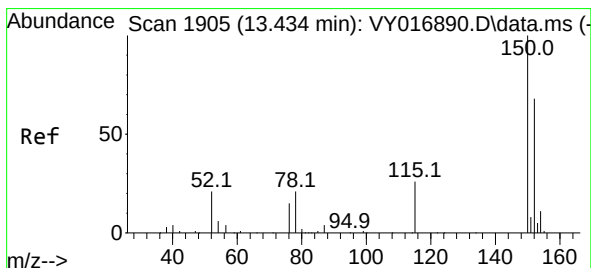
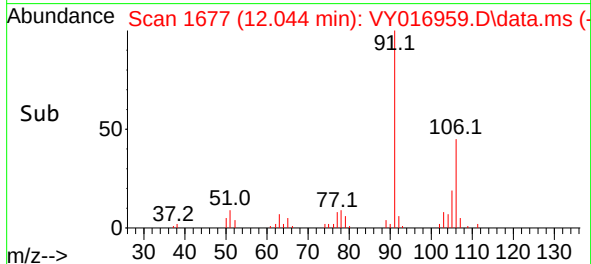
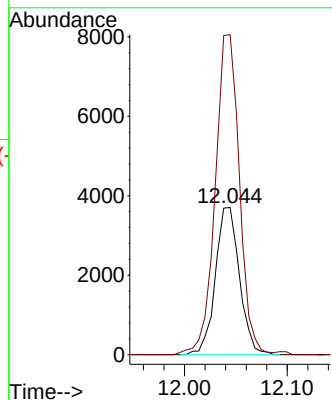
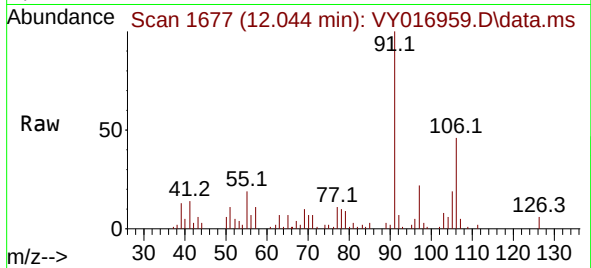




#69
o-Xylene
Concen: 2.369 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

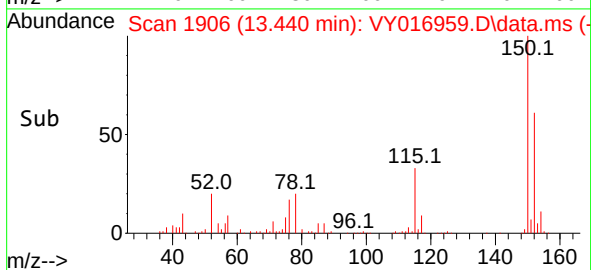
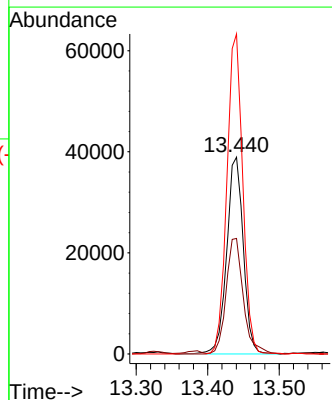
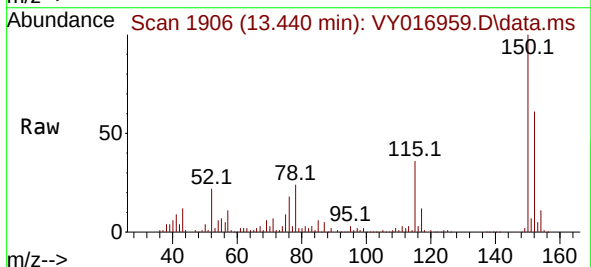
Instrument :
MSVOA_Y
ClientSampleId :
332

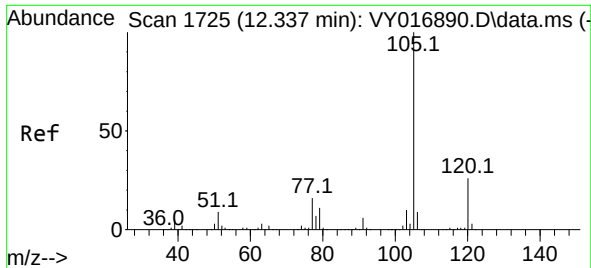
Tgt Ion:106 Resp: 6013
Ion Ratio Lower Upper
106 100
91 219.8 106.5 319.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion:152 Resp: 62696
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.0
150 154.8 0.0 344.6

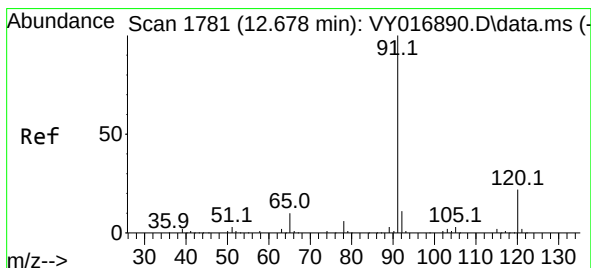
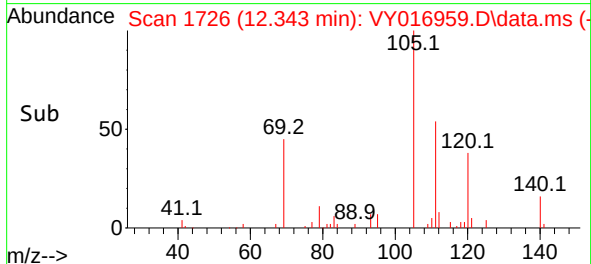
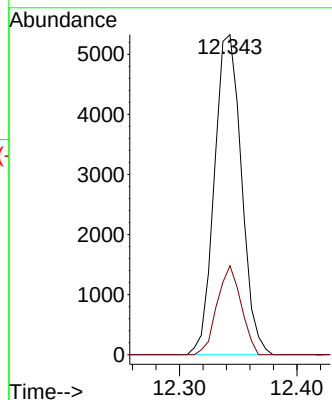
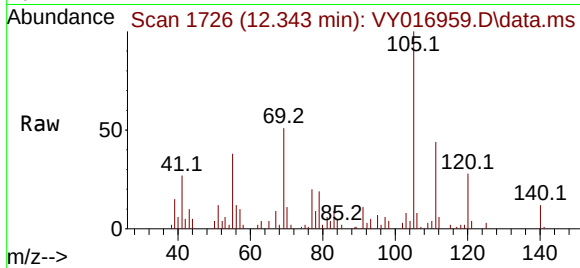




#73
Isopropylbenzene
Concen: 1.666 ug/l
RT: 12.343 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

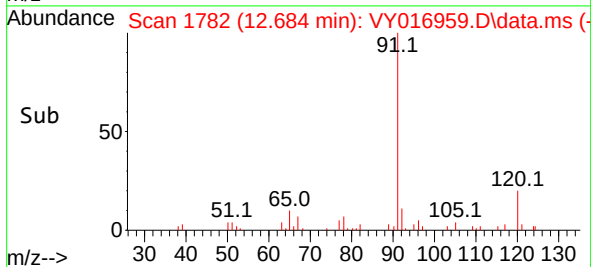
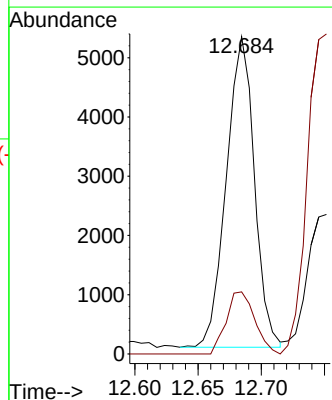
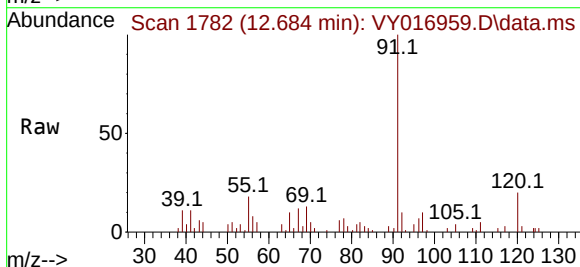
Instrument :
MSVOA_Y
ClientSampleId :
332

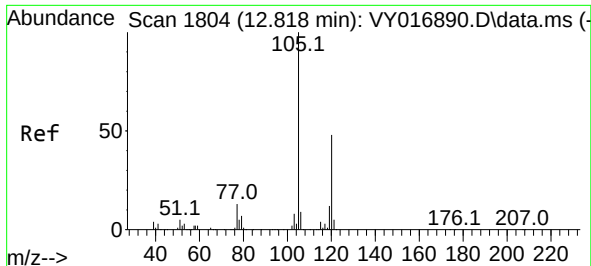
Tgt Ion:105 Resp: 8528
Ion Ratio Lower Upper
105 100
120 24.6 13.0 39.0



#78
n-propylbenzene
Concen: 1.297 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.006 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion: 91 Resp: 8071
Ion Ratio Lower Upper
91 100
120 20.3 11.0 33.0

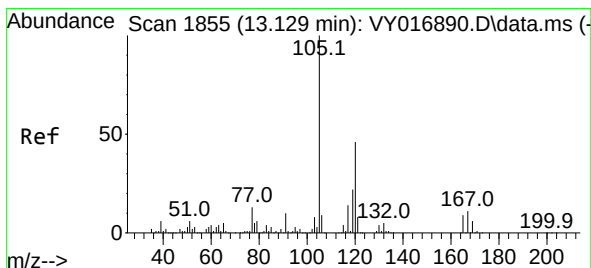
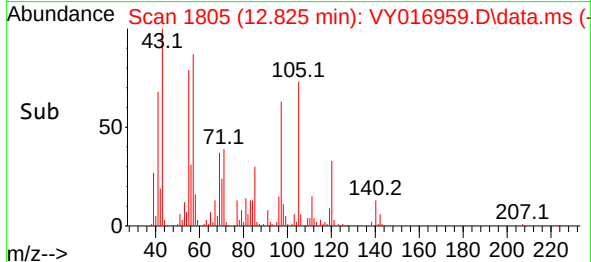
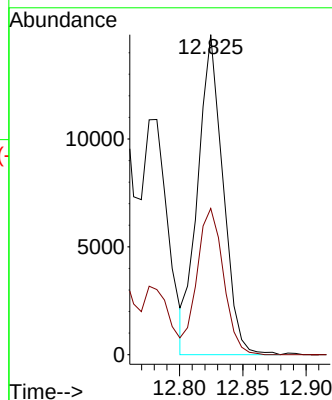
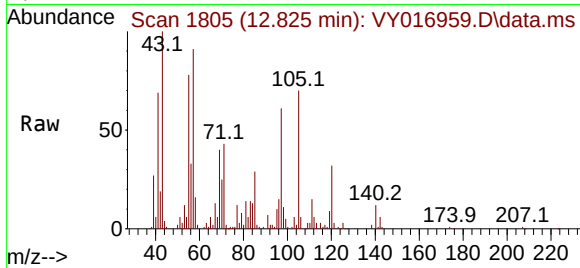




#80
1,3,5-Trimethylbenzene
Concen: 5.085 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.007 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

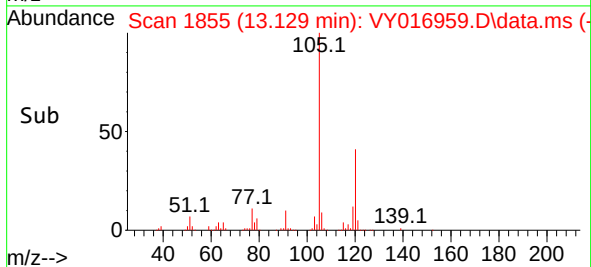
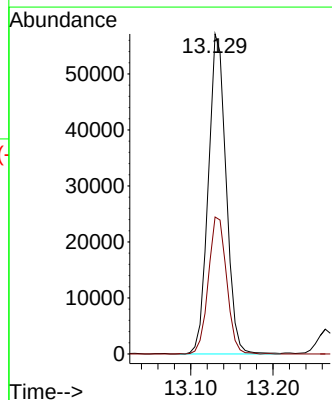
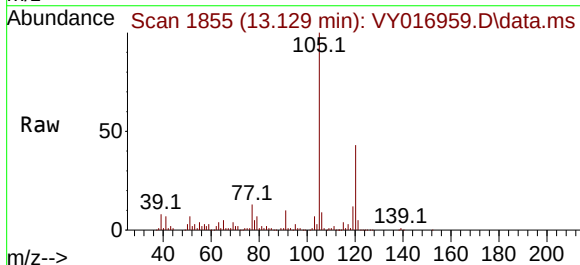
Instrument :
MSVOA_Y
ClientSampleId :
332

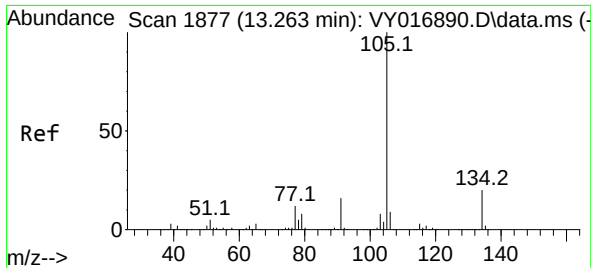
Tgt Ion:105 Resp: 20588
Ion Ratio Lower Upper
105 100
120 48.0 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 21.499 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VY016959.D
Acq: 09 Jan 2024 19:18

Tgt Ion:105 Resp: 85731
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.3

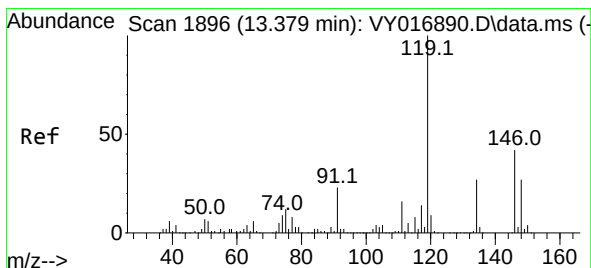
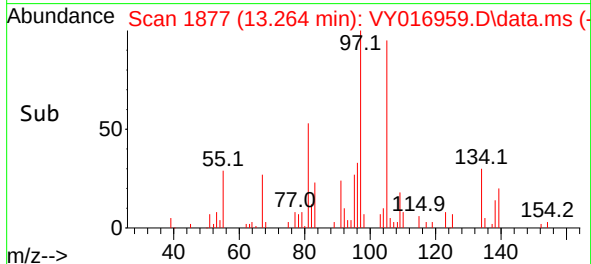
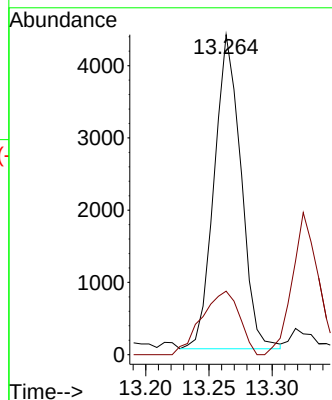
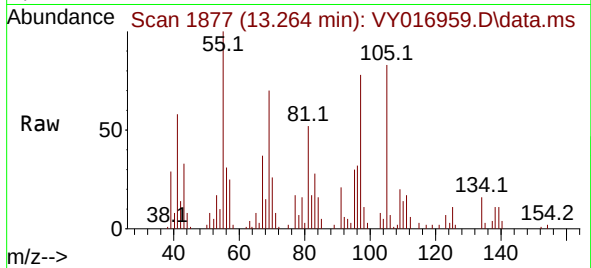




#85
 sec-Butylbenzene
 Concen: 1.212 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.001 min
 Lab File: VY016959.D
 Acq: 09 Jan 2024 19:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 332

Tgt Ion:105 Resp: 6404
 Ion Ratio Lower Upper
 105 100
 134 28.4 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 2.304 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY016959.D
 Acq: 09 Jan 2024 19:18

Tgt Ion:119 Resp: 10047
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.1 39.1
 91 23.1 11.7 35.0

