

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026257.D
 Acq On : 04 Jan 2022 06:15
 Operator : JC/MD
 Sample : M5336-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40570

Quant Time: Jan 04 17:30:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

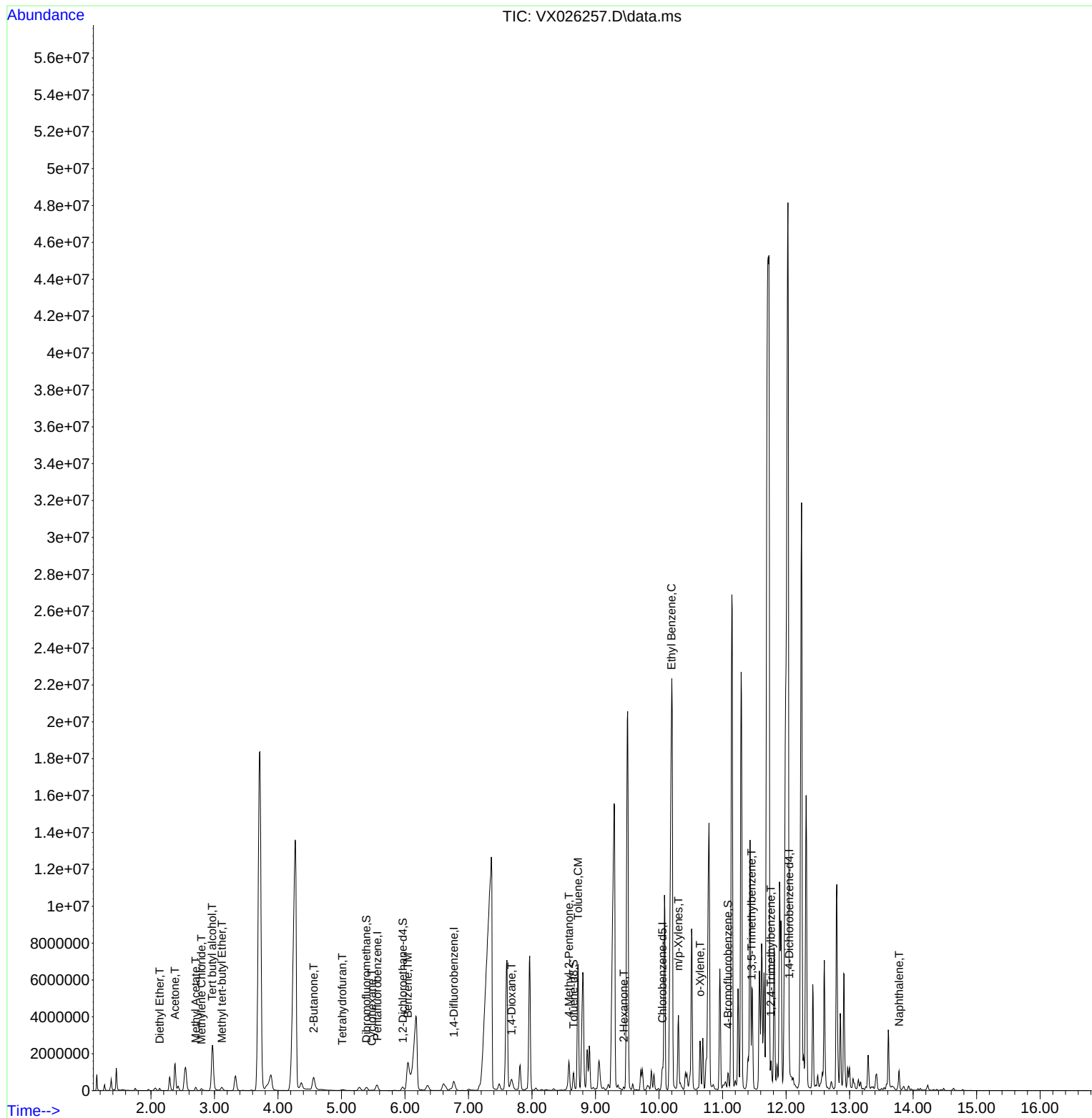
Internal Standards						
1) Pentafluorobenzene	5.562	168	273182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	464373	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.048	152	168801	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	191480	48.450	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.900%		
35) Dibromofluoromethane	5.391	113	150523	49.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.720%		
50) Toluene-d8	8.653	98	545432	48.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.140%		
62) 4-Bromofluorobenzene	11.085	95	208218	52.085	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.180%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.136	74	39143	18.819	ug/l	98
11) Tert butyl alcohol	2.965	59	988503	1252.265	ug/l #	94
16) Acetone	2.379	43	1571181	733.742	ug/l	99
18) Methyl Acetate	2.703	43	211210	30.409	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	168967	15.991	ug/l	91
20) Methylene Chloride	2.794	84	43750	12.061	ug/l	94
25) 2-Butanone	4.562	43	1064271	356.795	ug/l	100
29) Tetrahydrofuran	5.013	42	27450	14.600	ug/l #	88
31) Cyclohexane	5.476	56	16044	2.851	ug/l	98
40) Benzene	6.043	78	1755989	126.355	ug/l	99
49) 1,4-Dioxane	7.677	88	336387	4136.223	ug/l	90
51) 4-Methyl-2-Pentanone	8.579	43	994615	173.691	ug/l	97
52) Toluene	8.726	92	2618720	306.085	ug/l	96
59) 2-Hexanone	9.445	43	89659	20.670	ug/l	99
67) Ethyl Benzene	10.195	91	375365	23.876	ug/l	97
68) m/p-Xylenes	10.305	106	888890	151.429	ug/l	96
69) o-Xylene	10.646	106	439094	76.451	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	76245	7.002	ug/l	97
84) 1,2,4-Trimethylbenzene	11.762	105	532030	48.900	ug/l	77
95) Naphthalene	13.780	128	607070	46.533	ug/l	100

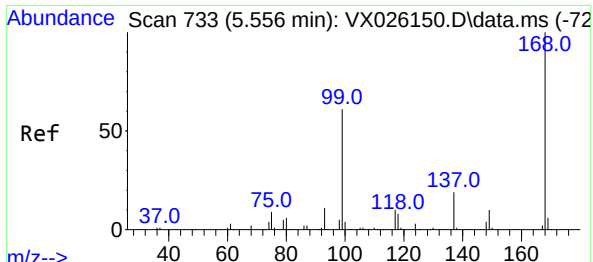
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 30 08:02:21 2021
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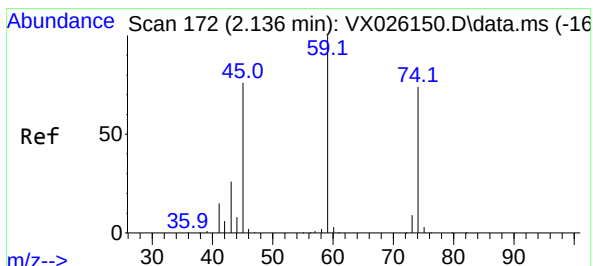
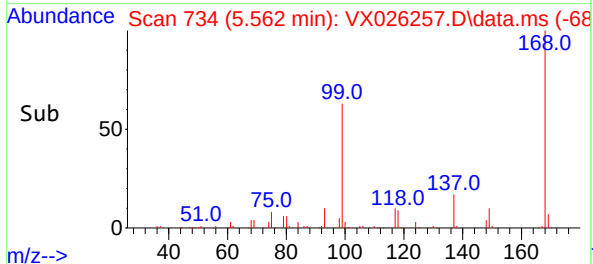
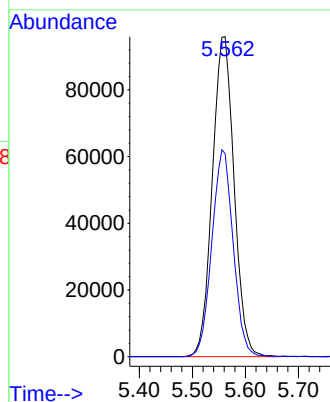
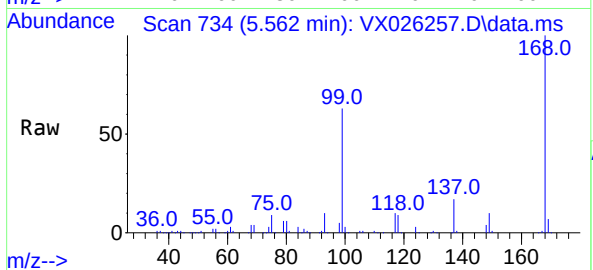




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

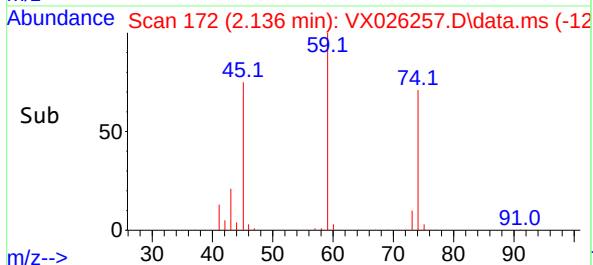
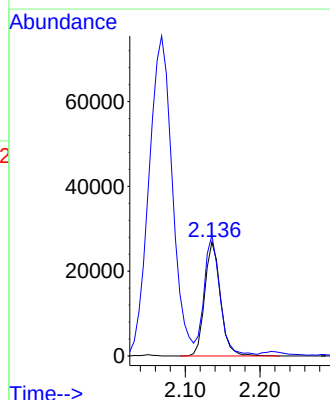
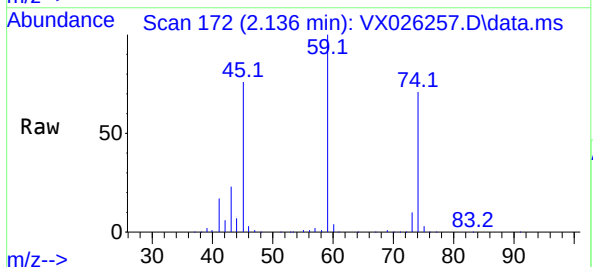
Instrument :
MSVOA_X
ClientSampleId :
40570

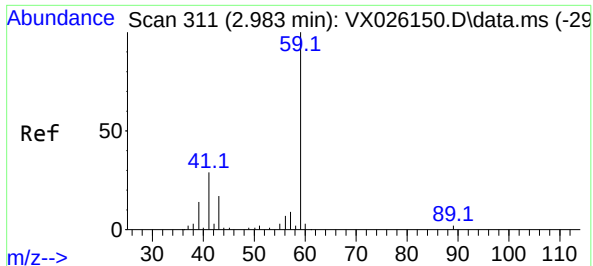
Tgt Ion:168 Resp: 273182
Ion Ratio Lower Upper
168 100
99 63.4 45.8 68.8



#8
Diethyl Ether
Concen: 18.819 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion: 74 Resp: 39143
Ion Ratio Lower Upper
74 100
45 103.3 50.4 151.2





#11

Tert butyl alcohol

Concen: 1252.265 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

Instrument :

MSVOA_X

ClientSampleId :

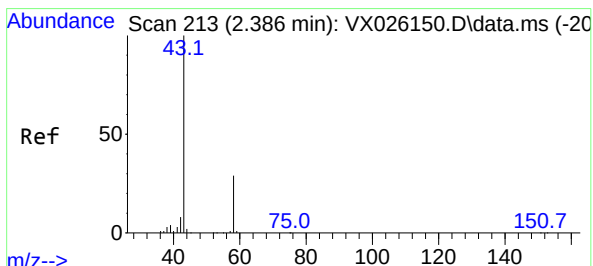
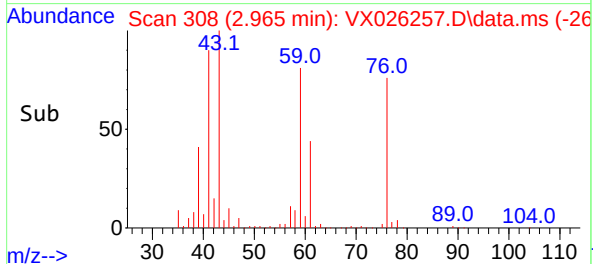
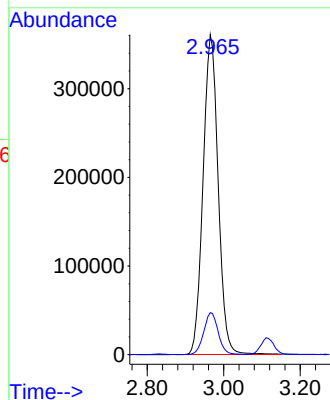
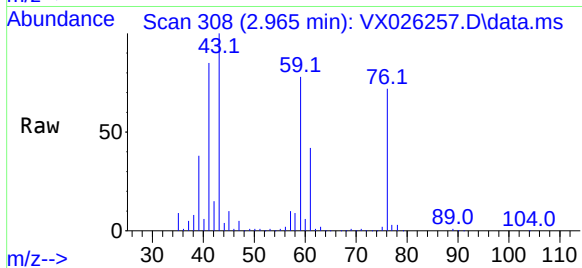
40570

Tgt Ion: 59 Resp: 988503

Ion Ratio Lower Upper

59 100

57 12.6 8.2 12.2#



#16

Acetone

Concen: 733.742 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.007 min

Lab File: VX026257.D

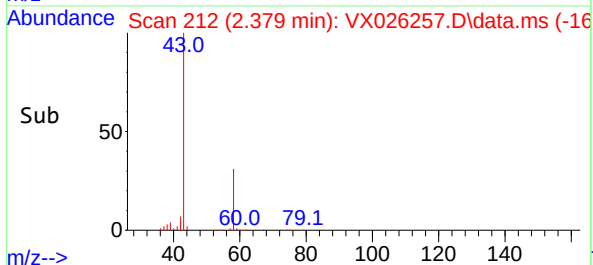
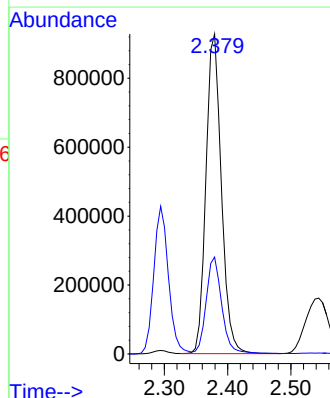
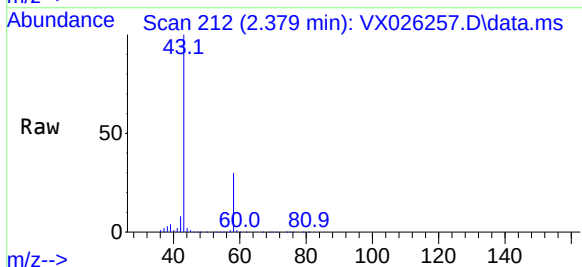
Acq: 04 Jan 2022 06:15

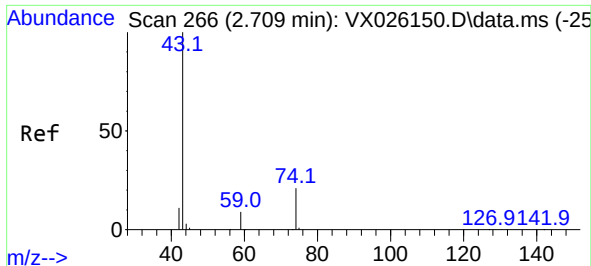
Tgt Ion: 43 Resp: 1571181

Ion Ratio Lower Upper

43 100

58 30.2 24.8 37.2

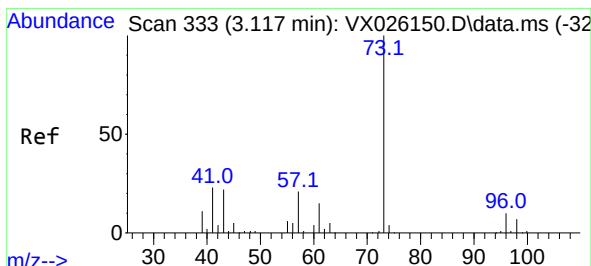
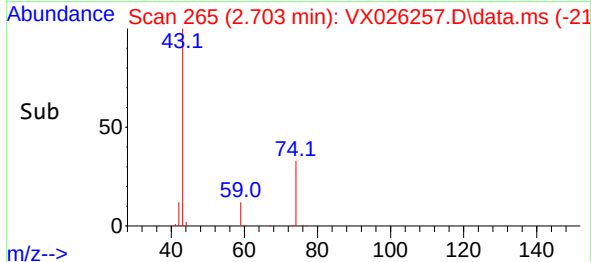
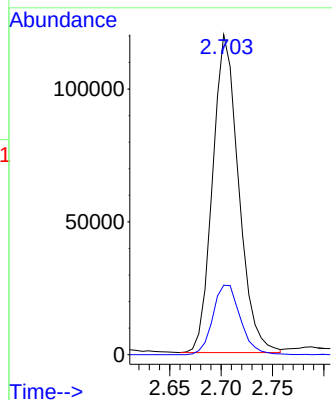
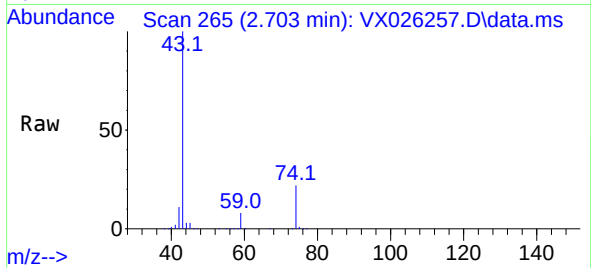




#18
Methyl Acetate
Concen: 30.409 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

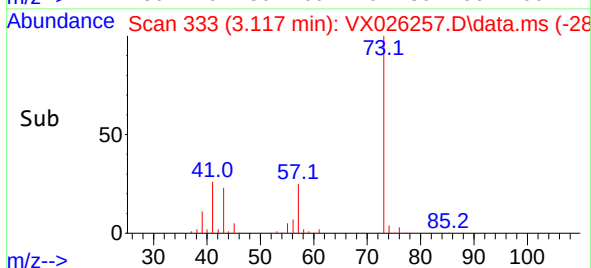
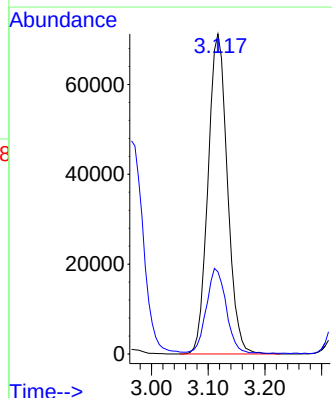
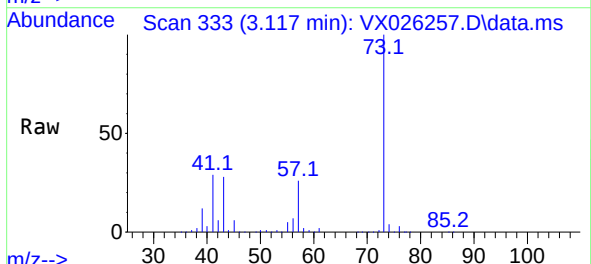
Instrument :
MSVOA_X
ClientSampleId :
40570

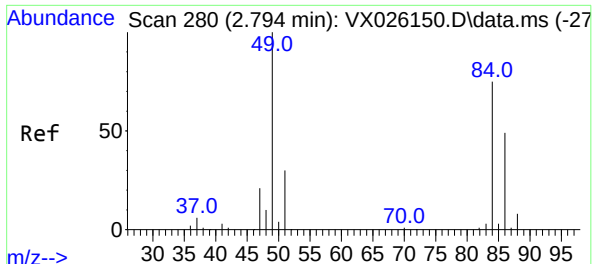
Tgt Ion: 43 Resp: 211210
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#19
Methyl tert-butyl Ether
Concen: 15.991 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion: 73 Resp: 168967
Ion Ratio Lower Upper
73 100
57 25.4 17.0 25.6





#20

Methylene Chloride

Concen: 12.061 ug/l

RT: 2.794 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

Instrument :

MSVOA_X

ClientSampleId :

40570

Tgt Ion: 84 Resp: 43750

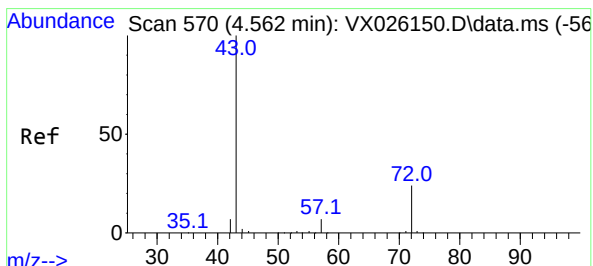
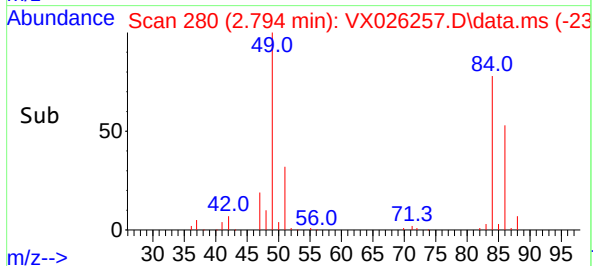
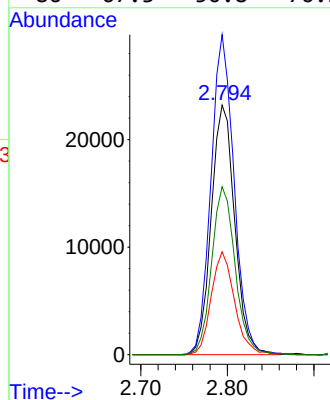
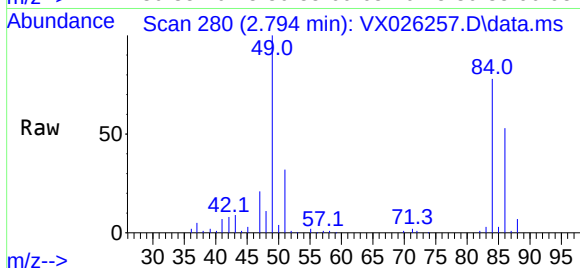
Ion Ratio Lower Upper

84 100

49 128.2 97.1 145.7

51 41.3 29.3 43.9

86 67.3 50.8 76.2



#25

2-Butanone

Concen: 356.795 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.000 min

Lab File: VX026257.D

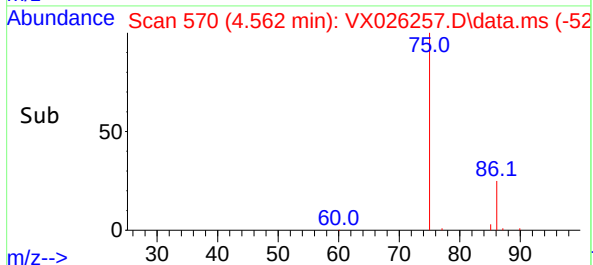
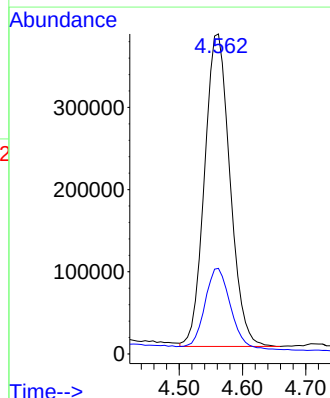
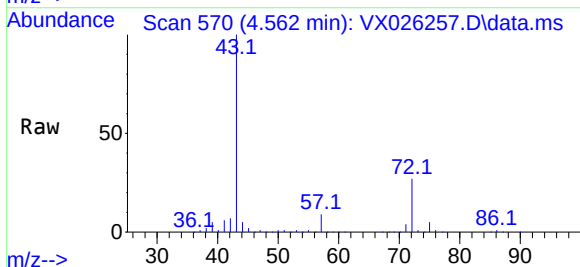
Acq: 04 Jan 2022 06:15

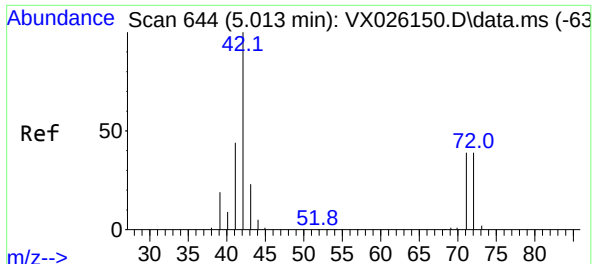
Tgt Ion: 43 Resp: 1064271

Ion Ratio Lower Upper

43 100

72 26.0 21.0 31.4





#29

Tetrahydrofuran

Concen: 14.600 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

Instrument :

MSVOA_X

ClientSampleId :

40570

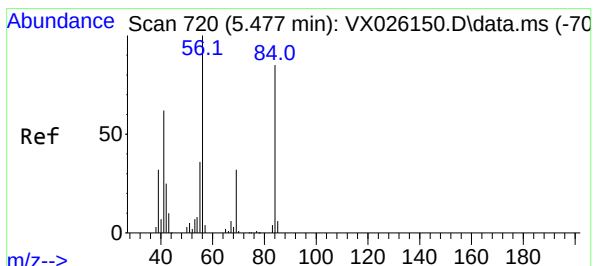
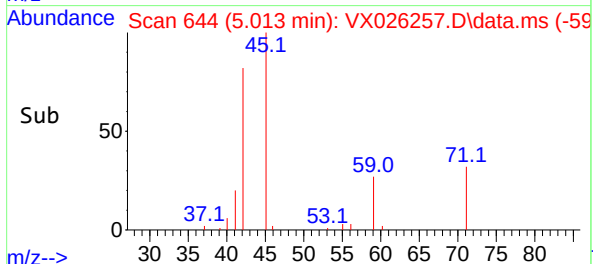
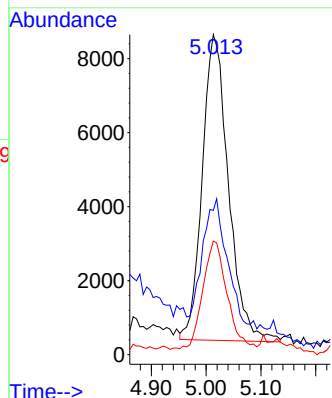
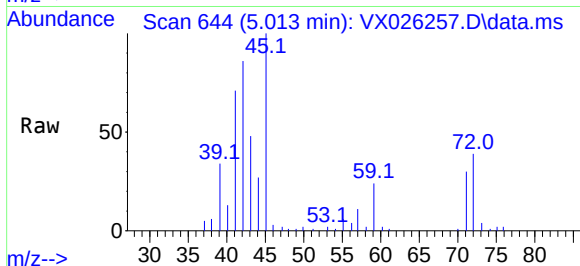
Tgt Ion: 42 Resp: 27450

Ion Ratio Lower Upper

42 100

72 41.1 37.0 55.6

71 32.1 34.1 51.1#



#31

Cyclohexane

Concen: 2.851 ug/l

RT: 5.476 min Scan# 720

Delta R.T. -0.001 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

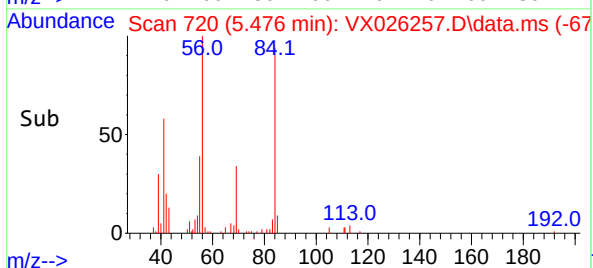
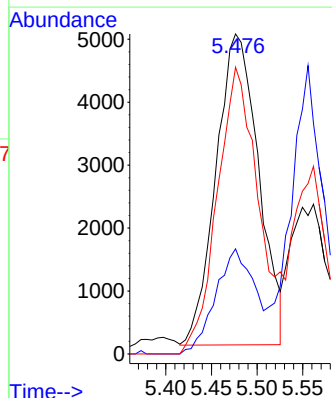
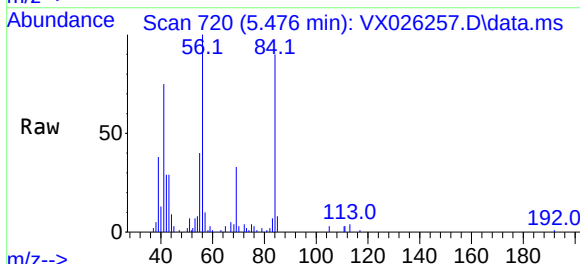
Tgt Ion: 56 Resp: 16044

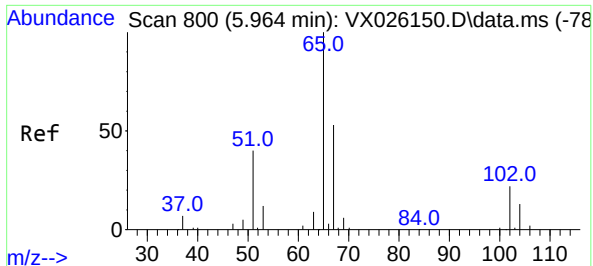
Ion Ratio Lower Upper

56 100

69 33.9 23.9 35.9

84 92.4 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 48.450 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

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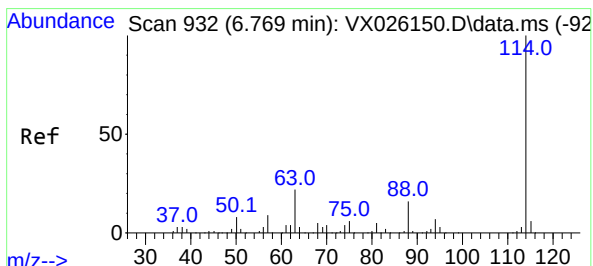
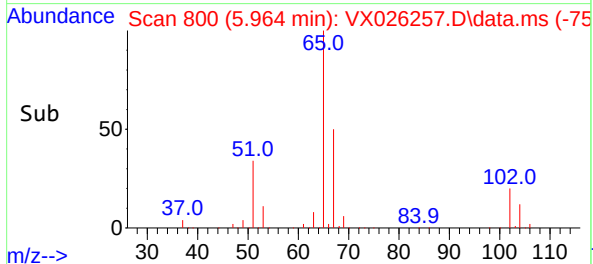
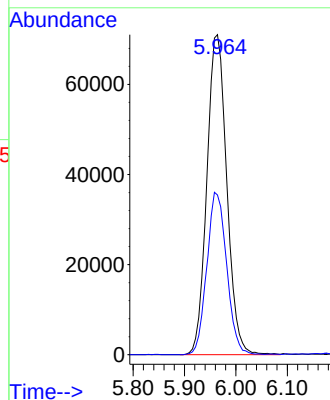
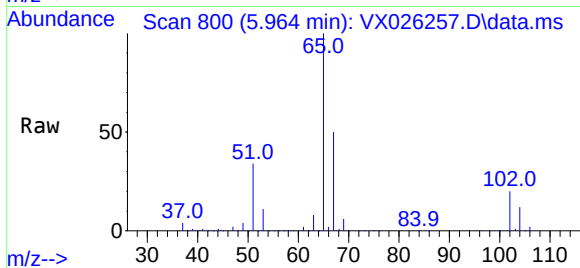
40570

Tgt Ion: 65 Resp: 191480

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

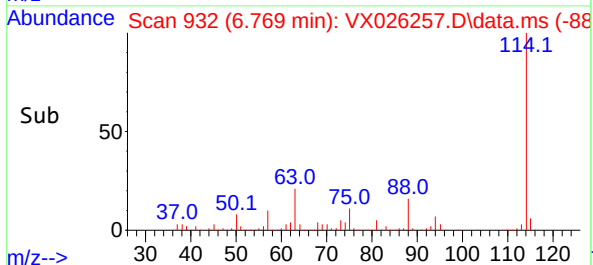
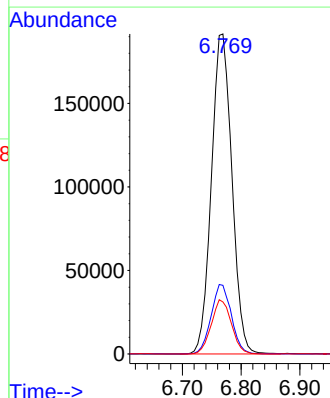
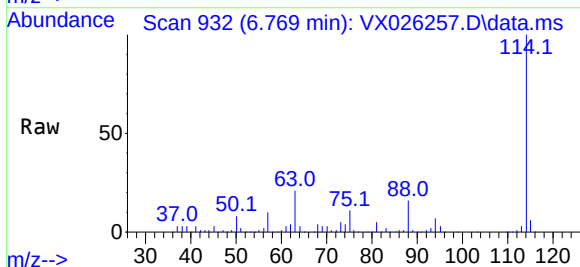
Tgt Ion: 114 Resp: 464373

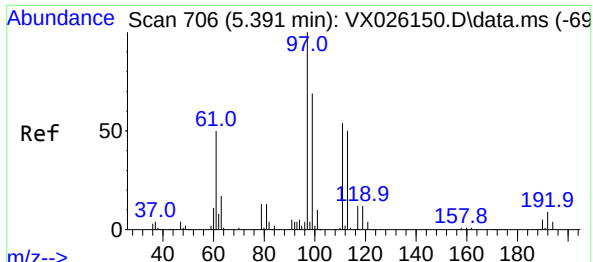
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.858 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026257.D

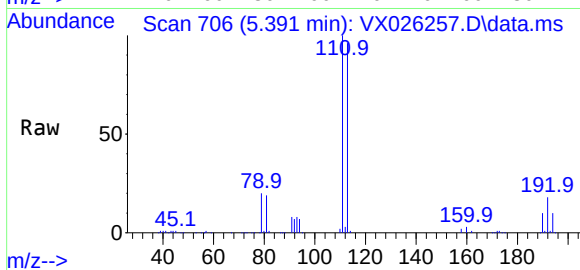
Acq: 04 Jan 2022 06:15

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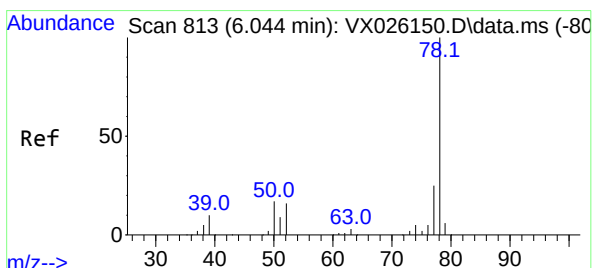
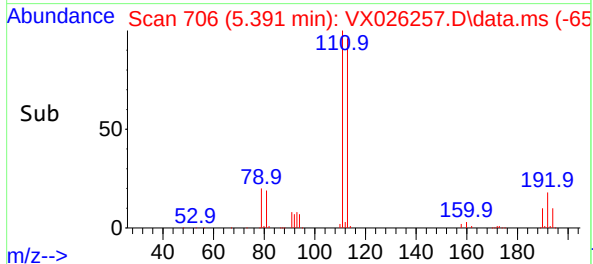
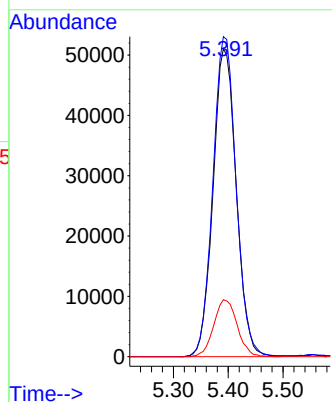
Tgt Ion:113 Resp: 150523

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 18.7 15.0 22.4



#40

Benzene

Concen: 126.355 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.001 min

Lab File: VX026257.D

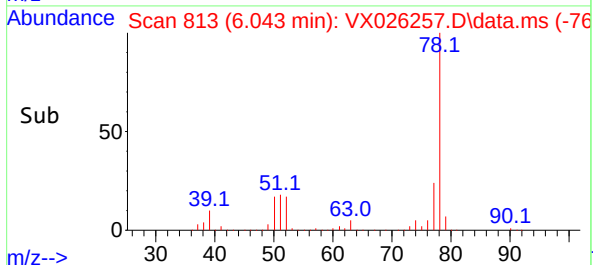
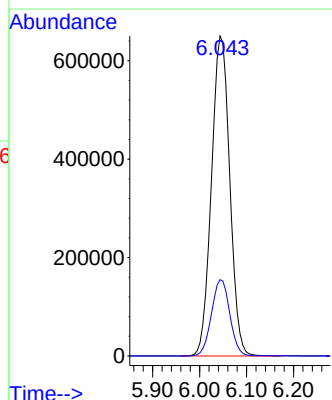
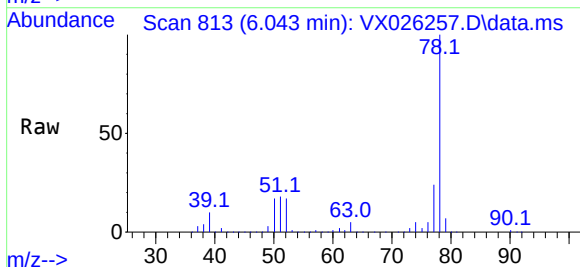
Acq: 04 Jan 2022 06:15

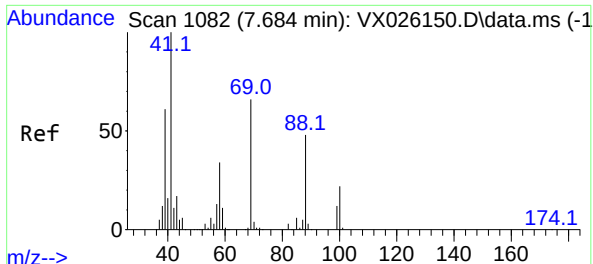
Tgt Ion: 78 Resp: 1755989

Ion Ratio Lower Upper

78 100

77 23.8 18.6 27.8

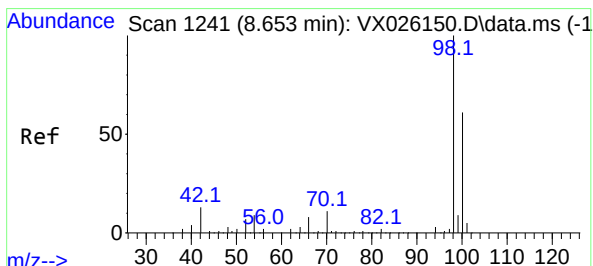
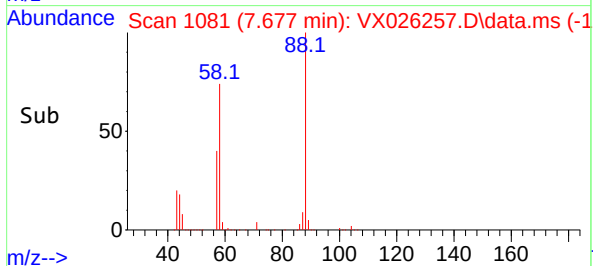
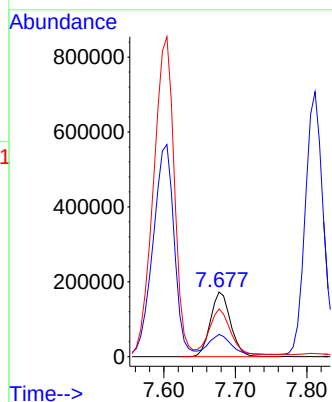
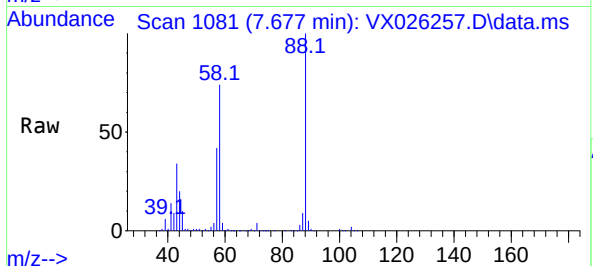




#49
1,4-Dioxane
Concen: 4136.223 ug/l
RT: 7.677 min Scan# 1082
Delta R.T. -0.007 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

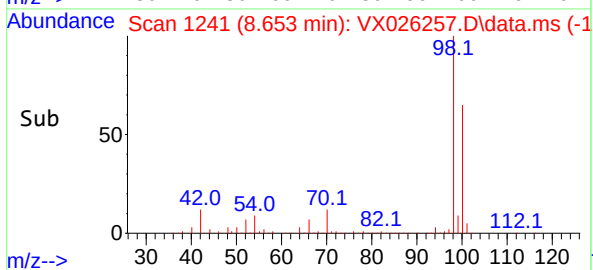
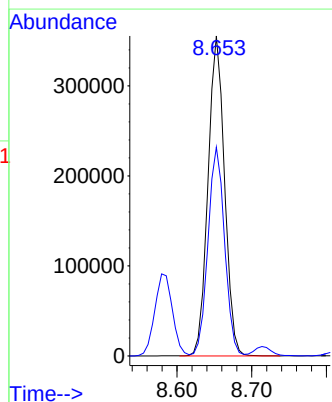
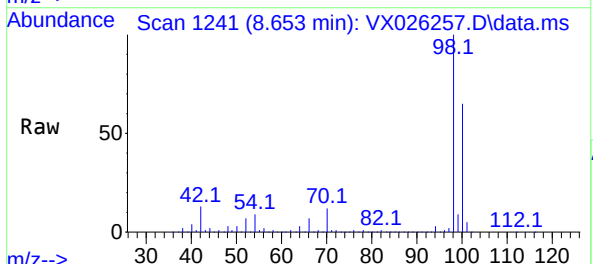
Instrument :
MSVOA_X
ClientSampleId :
40570

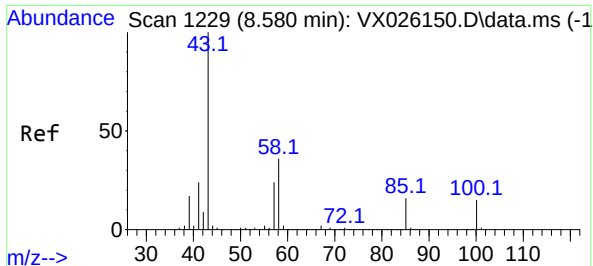
Tgt Ion: 88 Resp: 336387
Ion Ratio Lower Upper
88 100
43 33.6 25.3 37.9
58 75.5 51.8 77.6



#50
Toluene-d8
Concen: 48.571 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion: 98 Resp: 545432
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

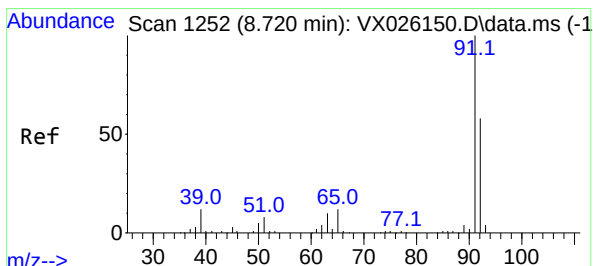
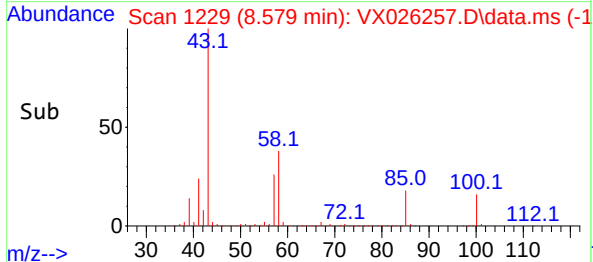
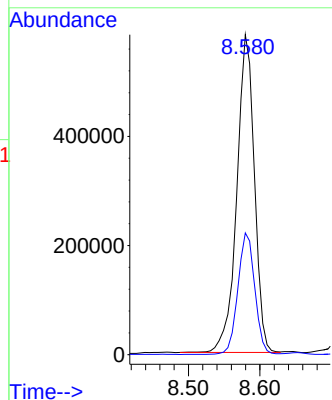
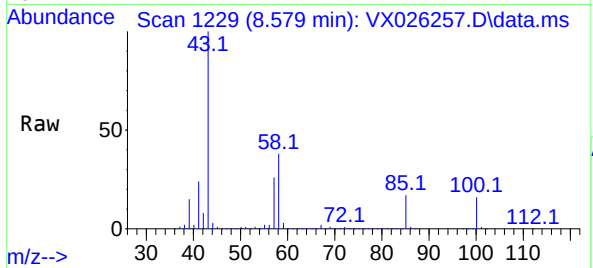




#51
4-Methyl-2-Pentanone
Concen: 173.691 ug/l
RT: 8.579 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

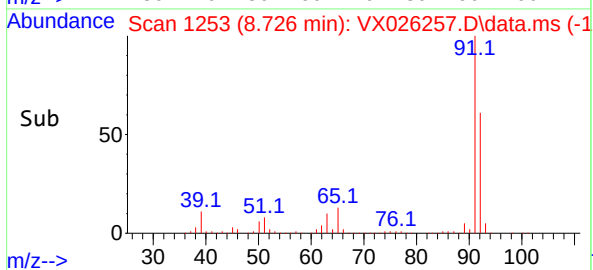
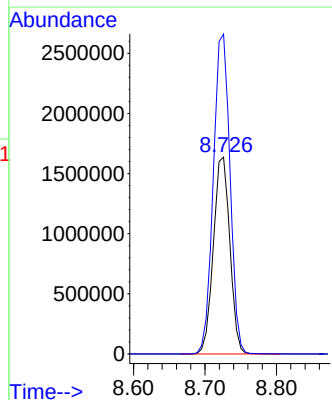
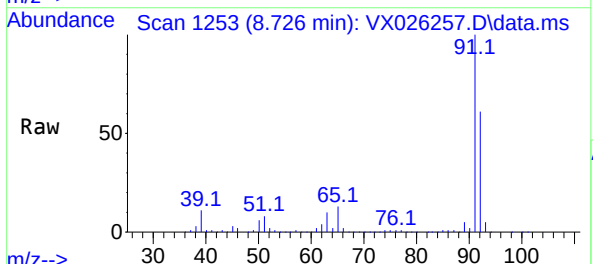
Instrument :
MSVOA_X
ClientSampleId :
40570

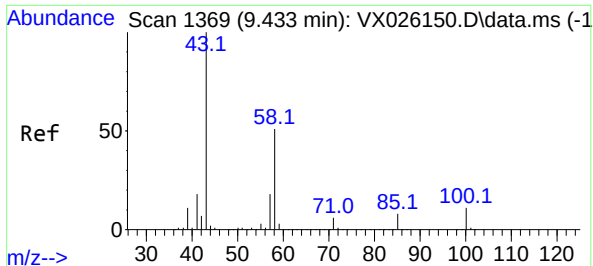
Tgt Ion: 43 Resp: 994615
Ion Ratio Lower Upper
43 100
58 36.8 30.8 46.2



#52
Toluene
Concen: 306.085 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion: 92 Resp: 2618720
Ion Ratio Lower Upper
92 100
91 164.9 136.0 204.0





#59

2-Hexanone

Concen: 20.670 ug/l

RT: 9.445 min Scan# 1369

Delta R.T. 0.012 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

Instrument :

MSVOA_X

ClientSampleId :

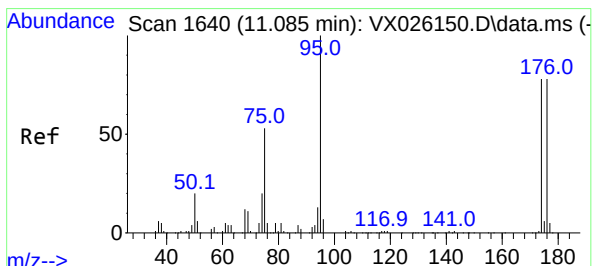
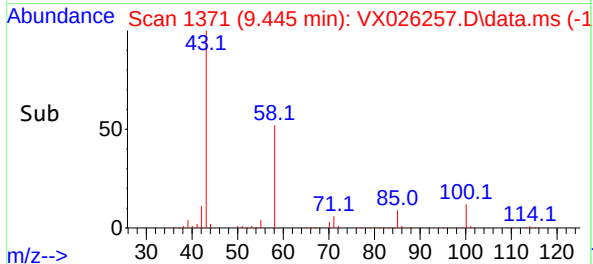
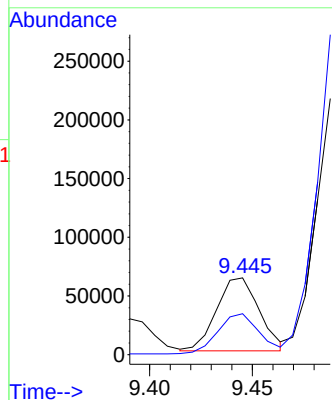
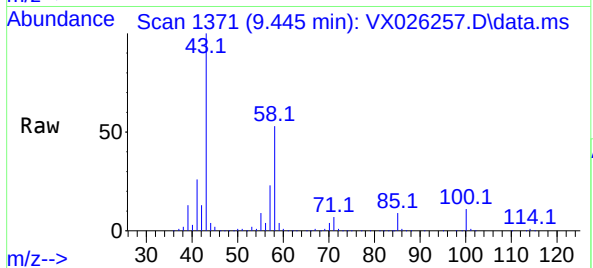
40570

Tgt Ion: 43 Resp: 89659

Ion Ratio Lower Upper

43 100

58 54.1 26.9 80.6



#62

4-Bromofluorobenzene

Concen: 52.085 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX026257.D

Acq: 04 Jan 2022 06:15

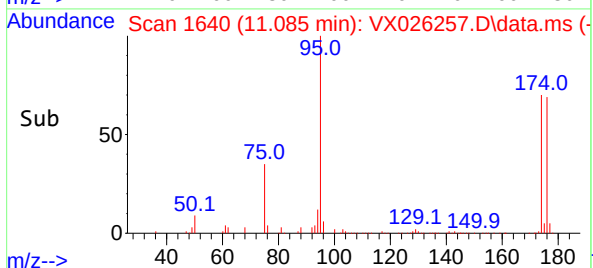
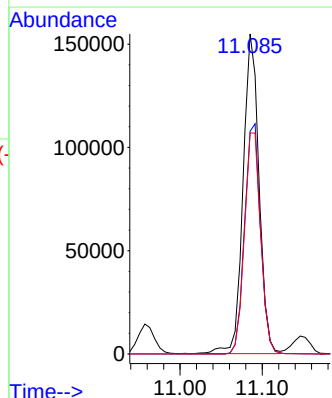
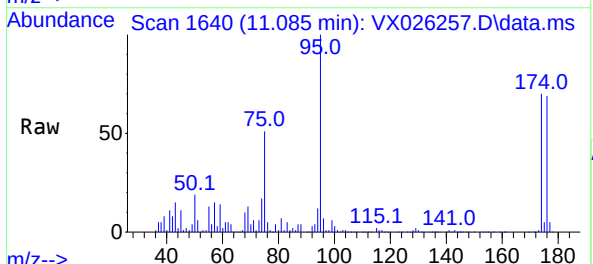
Tgt Ion: 95 Resp: 208218

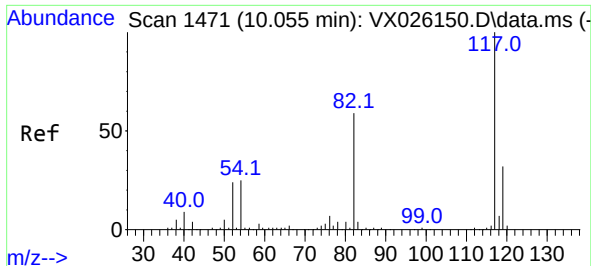
Ion Ratio Lower Upper

95 100

174 72.4 0.0 157.4

176 70.2 0.0 154.6

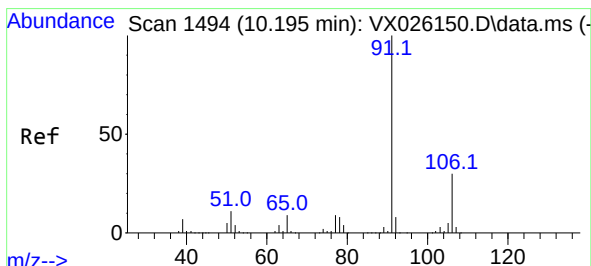
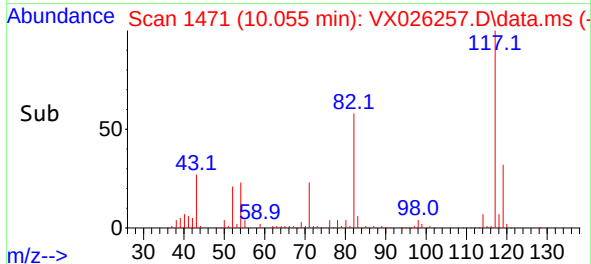
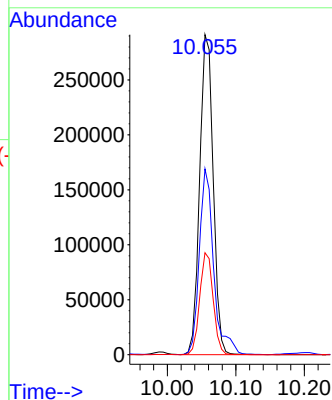
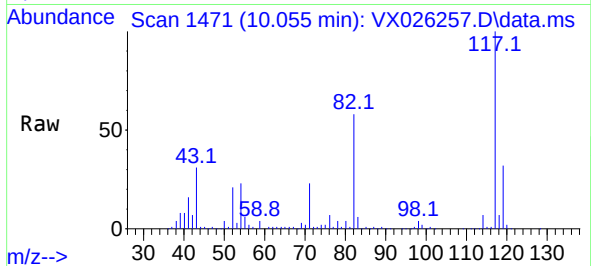




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

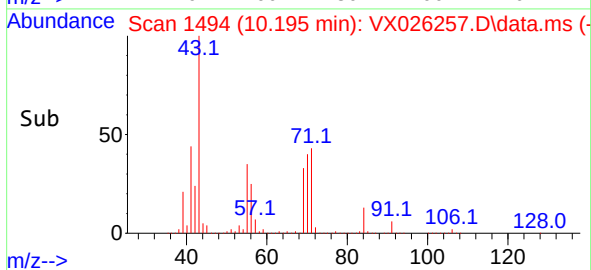
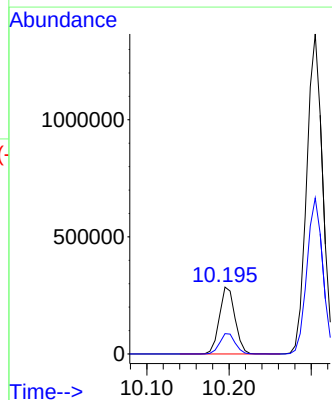
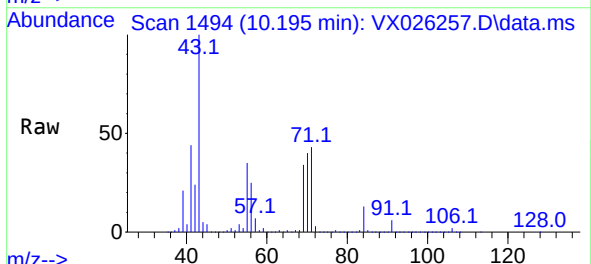
Instrument :
MSVOA_X
ClientSampleId :
40570

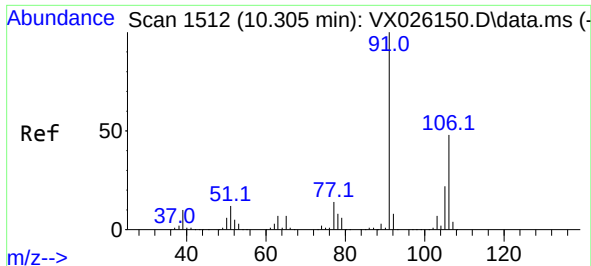
Tgt Ion:117 Resp: 400242
Ion Ratio Lower Upper
117 100
82 58.0 43.8 65.6
119 31.9 25.2 37.8



#67
Ethyl Benzene
Concen: 23.876 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion: 91 Resp: 375365
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5

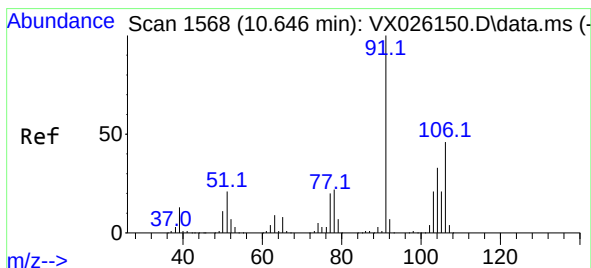
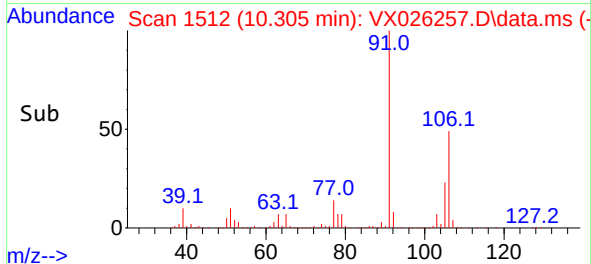
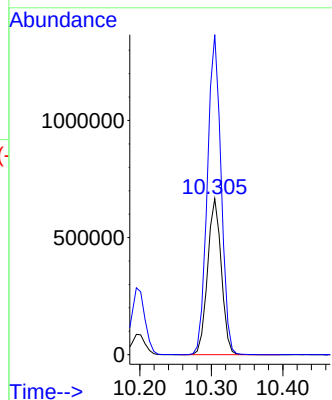
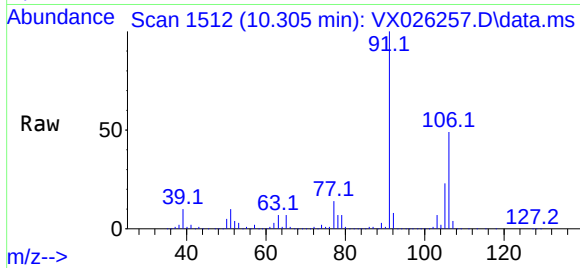




#68
m/p-Xylenes
Concen: 151.429 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

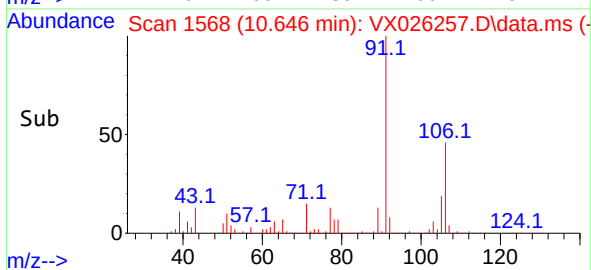
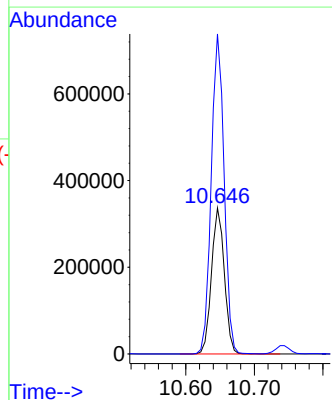
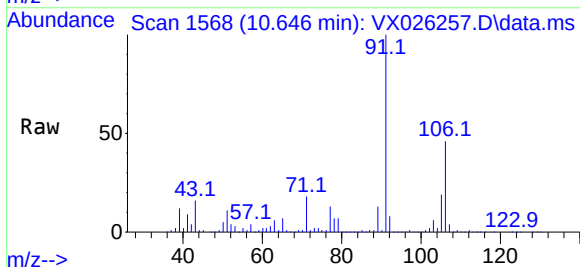
Instrument :
MSVOA_X
ClientSampleId :
40570

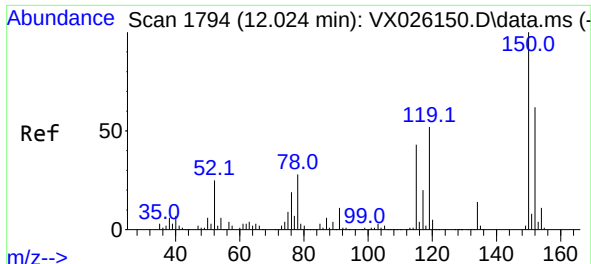
Tgt Ion:106 Resp: 888890
Ion Ratio Lower Upper
106 100
91 205.0 158.6 238.0



#69
o-Xylene
Concen: 76.451 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion:106 Resp: 439094
Ion Ratio Lower Upper
106 100
91 219.3 105.5 316.4

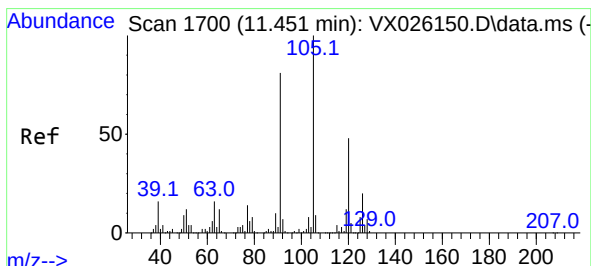
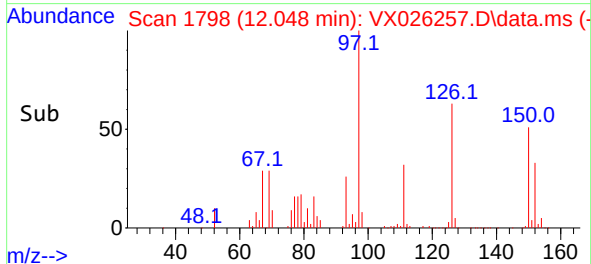
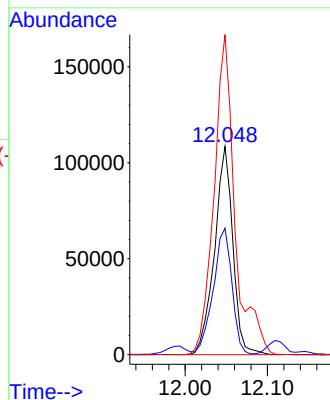
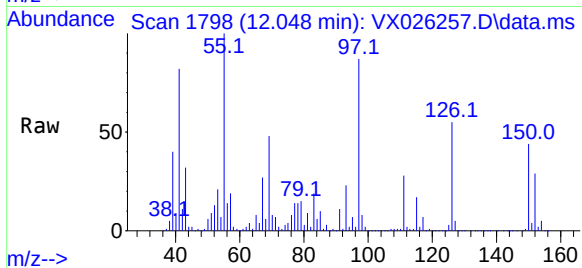




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.048 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

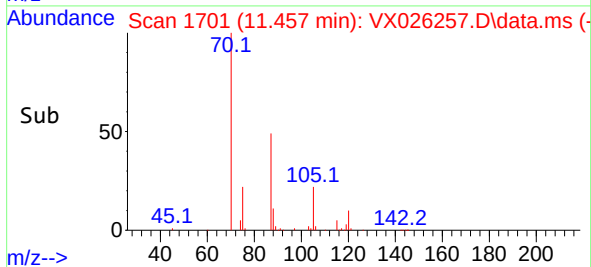
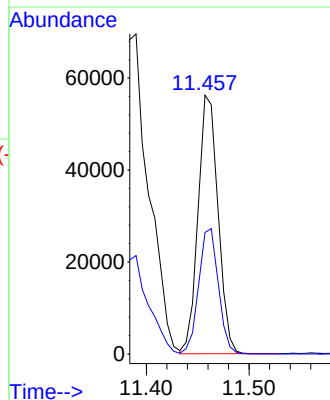
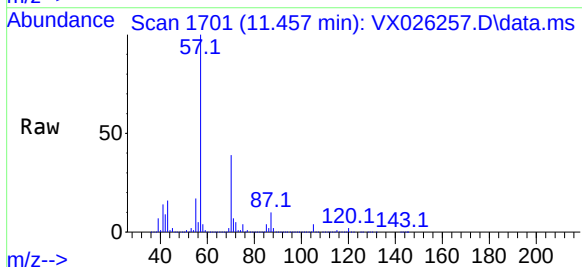
Instrument :
MSVOA_X
ClientSampleId :
40570

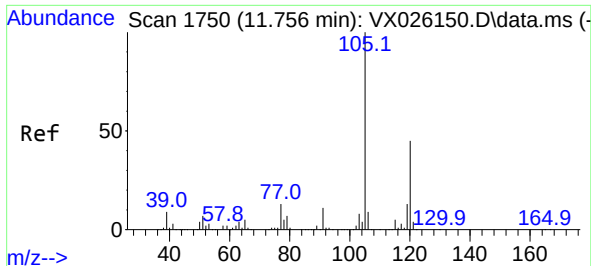
Tgt Ion:152 Resp: 168801
Ion Ratio Lower Upper
152 100
115 60.7 41.3 123.9
150 175.1 0.0 351.8



#80
1,3,5-Trimethylbenzene
Concen: 7.002 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion:105 Resp: 76245
Ion Ratio Lower Upper
105 100
120 47.8 24.9 74.7

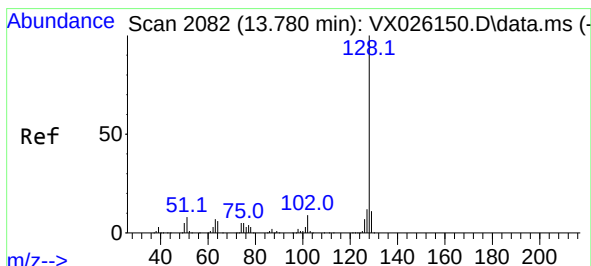
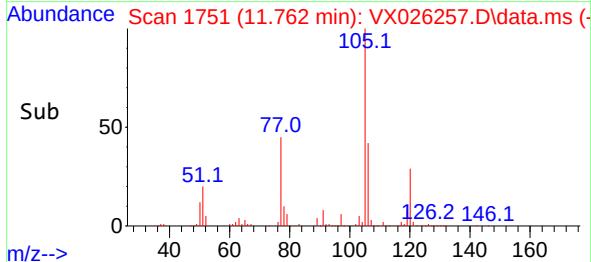
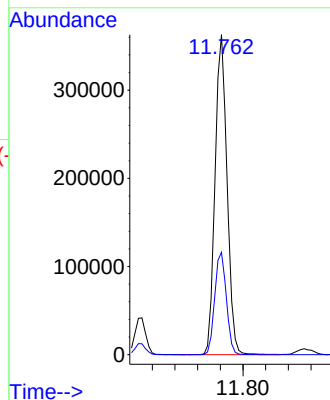
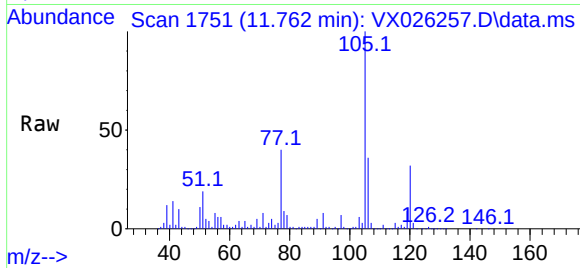




#84
1,2,4-Trimethylbenzene
Concen: 48.900 ug/l
RT: 11.762 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Instrument :
MSVOA_X
ClientSampleId :
40570

Tgt Ion:105 Resp: 532030
Ion Ratio Lower Upper
105 100
120 30.9 22.9 68.7



#95
Naphthalene
Concen: 46.533 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026257.D
Acq: 04 Jan 2022 06:15

Tgt Ion:128 Resp: 607070
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.3 8.8 13.2

