

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026334.D
 Acq On : 05 Jan 2022 19:52
 Operator : JC/MD
 Sample : M5336-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40567

Quant Time: Jan 06 03:12:06 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)

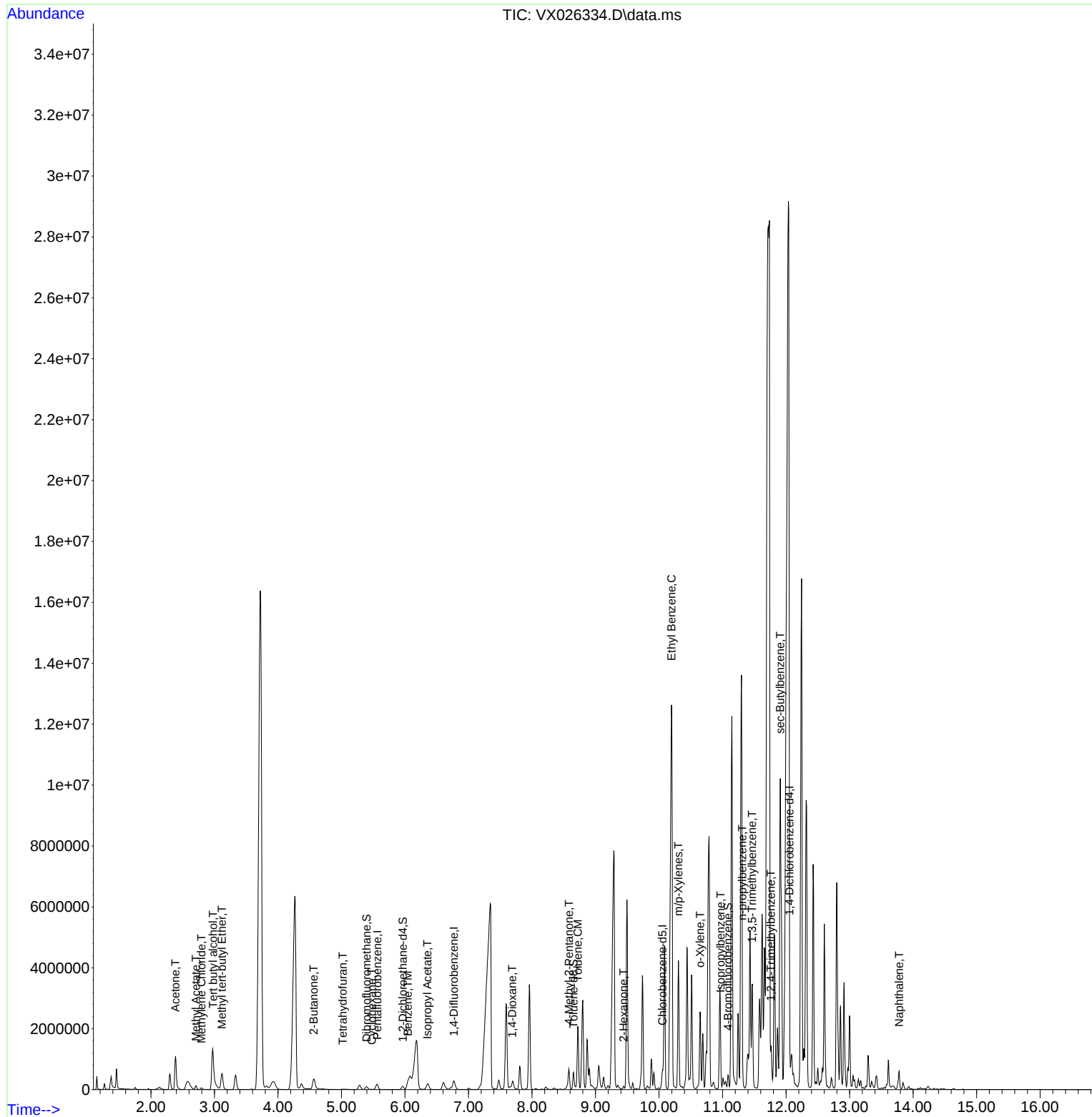
Internal Standards						
1) Pentafluorobenzene	5.562	168	164651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	270106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.055	152	89336	50.000	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108061	45.365	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.740%		
35) Dibromofluoromethane	5.397	113	85094	48.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.920%		
50) Toluene-d8	8.653	98	313065	47.929	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.860%		
62) 4-Bromofluorobenzene	11.085	95	119331	51.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.640%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	550055	1156.145	ug/l #	93
16) Acetone	2.386	43	1221343	946.329	ug/l	98
18) Methyl Acetate	2.709	43	146938	35.100	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	583944	91.694	ug/l	98
20) Methylene Chloride	2.794	84	24450	11.113	ug/l	99
25) 2-Butanone	4.562	43	559079	310.977	ug/l	99
29) Tetrahydrofuran	5.019	42	10611	9.364	ug/l	95
31) Cyclohexane	5.476	56	6627	1.954	ug/l	99
40) Benzene	6.043	78	294258	36.402	ug/l	100
43) Isopropyl Acetate	6.354	43	100535	18.784	ug/l #	75
49) 1,4-Dioxane	7.690	88	101121	2137.661	ug/l	88
51) 4-Methyl-2-Pentanone	8.580	43	437139	131.242	ug/l	95
52) Toluene	8.720	92	759531	152.627	ug/l	99
59) 2-Hexanone	9.439	43	55777	22.107	ug/l	98
67) Ethyl Benzene	10.195	91	409199	45.158	ug/l	97
68) m/p-Xylenes	10.305	106	967082	285.832	ug/l	97
69) o-Xylene	10.646	106	510704	154.271	ug/l	97
73) Isopropylbenzene	10.969	105	36388	5.240	ug/l	99
78) n-propylbenzene	11.311	91	99513	12.464	ug/l	83
80) 1,3,5-Trimethylbenzene	11.463	105	144460	25.068	ug/l	97
84) 1,2,4-Trimethylbenzene	11.762	105	604179	104.927	ug/l	92
85) sec-Butylbenzene	11.908	105	19992	2.864	ug/l	92
95) Naphthalene	13.780	128	335460	48.586	ug/l	100

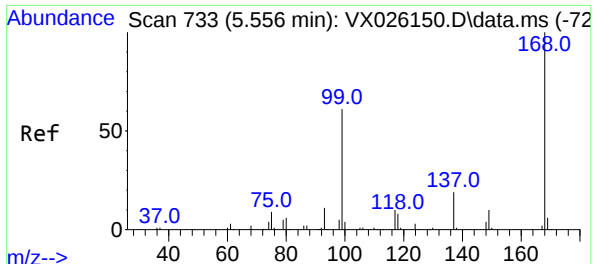
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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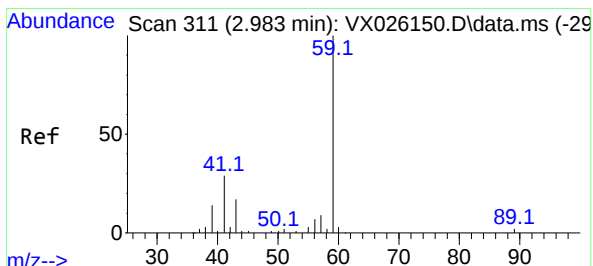
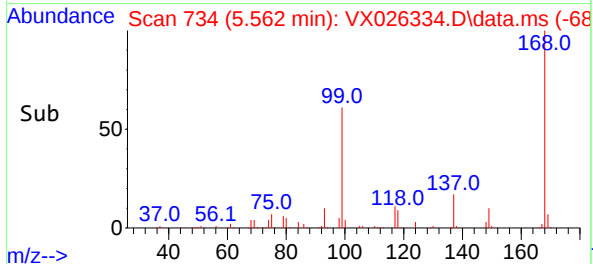
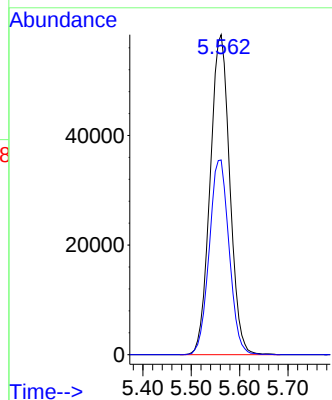
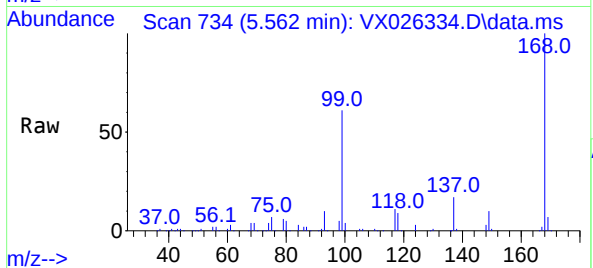




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

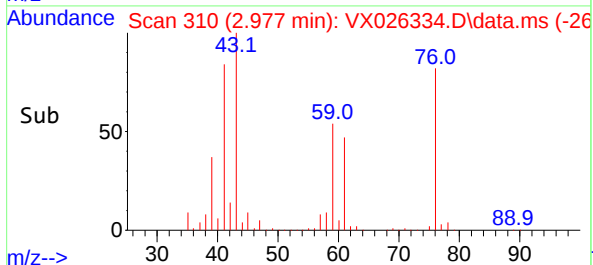
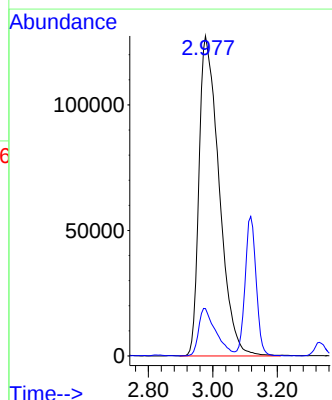
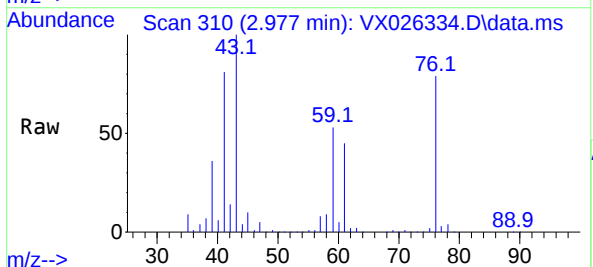
Instrument :
MSVOA_X
ClientSampleId :
40567

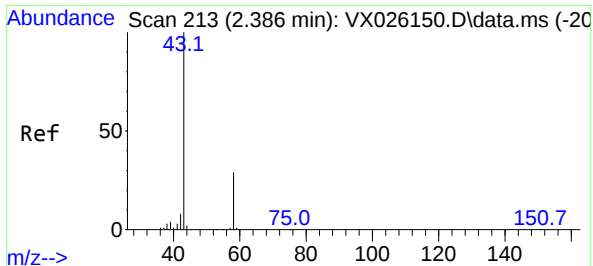
Tgt Ion:168 Resp: 164651
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.8



#11
Tert butyl alcohol
Concen: 1156.145 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 59 Resp: 550055
Ion Ratio Lower Upper
59 100
57 12.7 8.2 12.2#

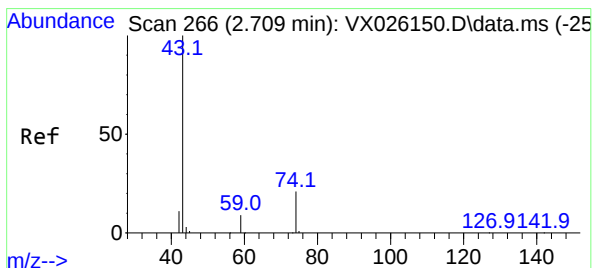
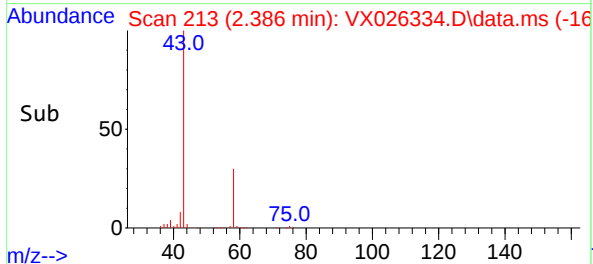
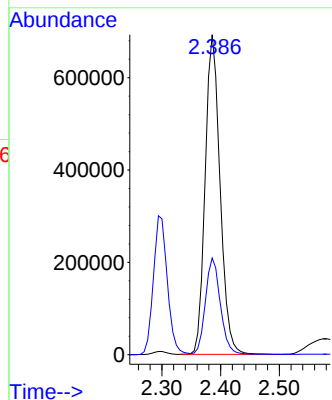
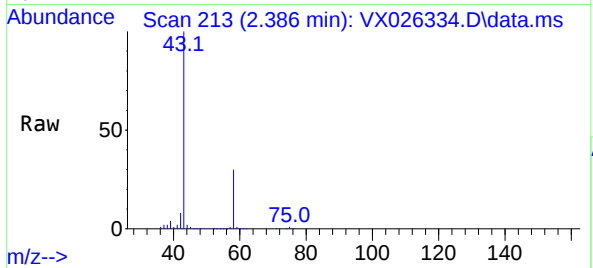




#16
Acetone
Concen: 946.329 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

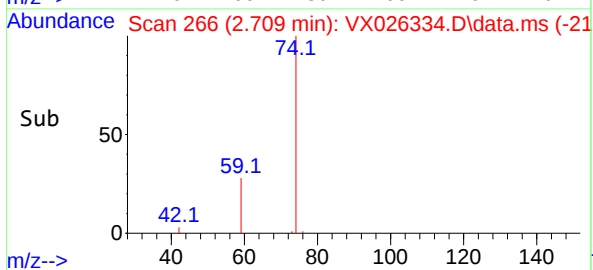
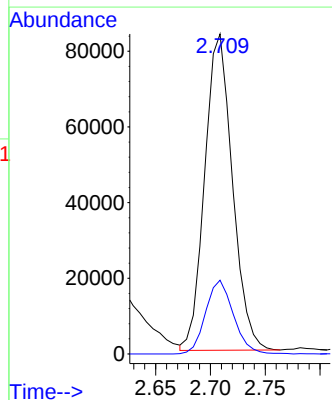
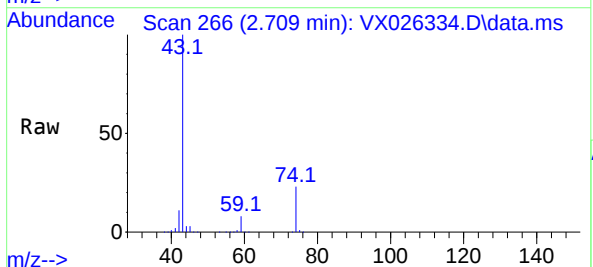
Instrument :
MSVOA_X
ClientSampleId :
40567

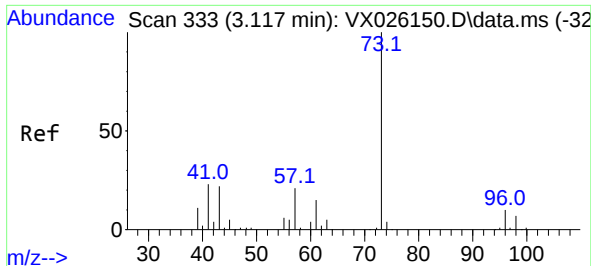
Tgt Ion: 43 Resp: 1221343
Ion Ratio Lower Upper
43 100
58 30.1 24.8 37.2



#18
Methyl Acetate
Concen: 35.100 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 43 Resp: 146938
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 91.694 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX026334.D

Acq: 05 Jan 2022 19:52

Instrument :

MSVOA_X

ClientSampleId :

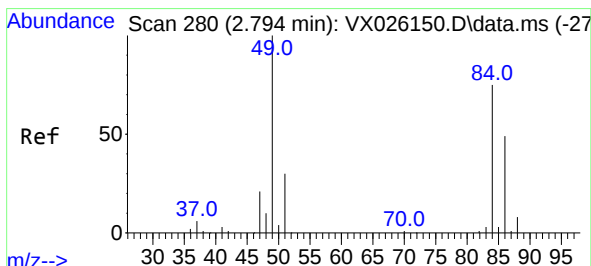
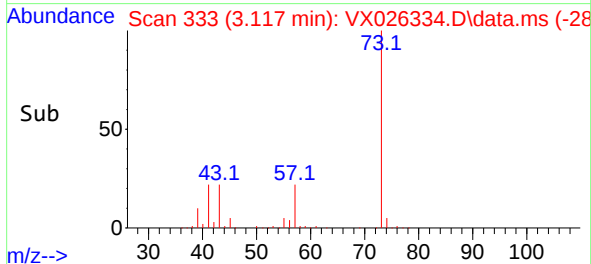
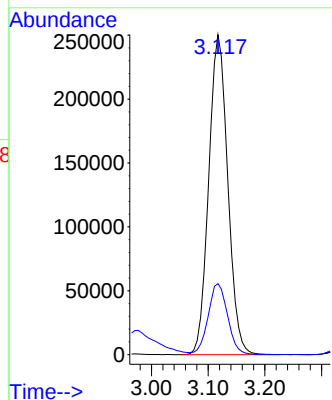
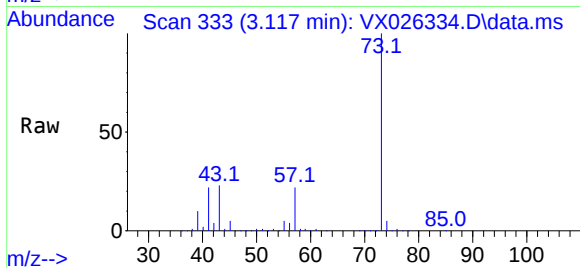
40567

Tgt Ion: 73 Resp: 583944

Ion Ratio Lower Upper

73 100

57 22.2 17.0 25.6



#20

Methylene Chloride

Concen: 11.113 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX026334.D

Acq: 05 Jan 2022 19:52

Tgt Ion: 84 Resp: 24450

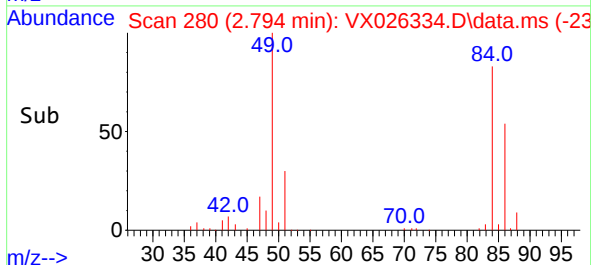
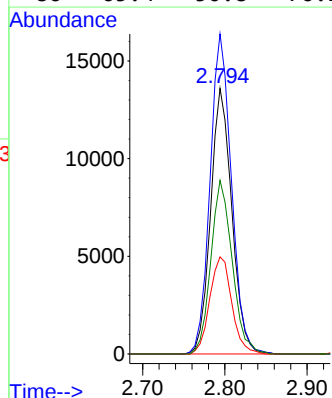
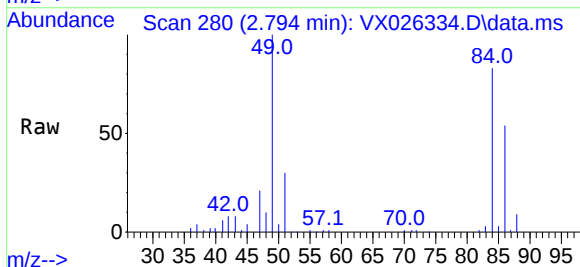
Ion Ratio Lower Upper

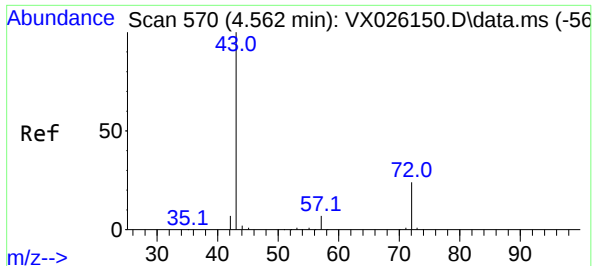
84 100

49 120.5 97.1 145.7

51 36.6 29.3 43.9

86 65.4 50.8 76.2

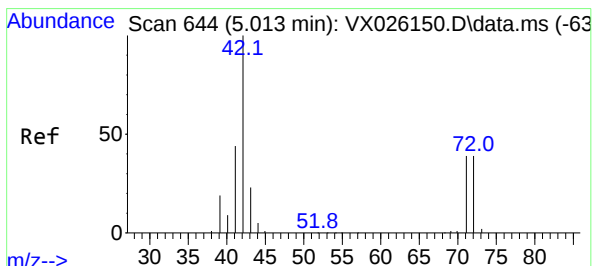
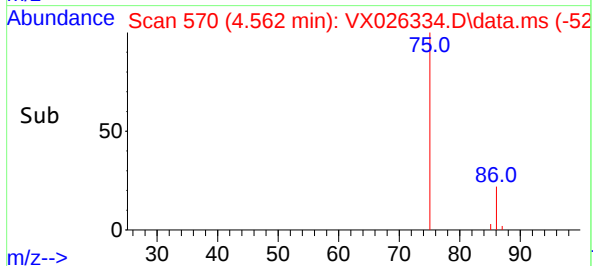
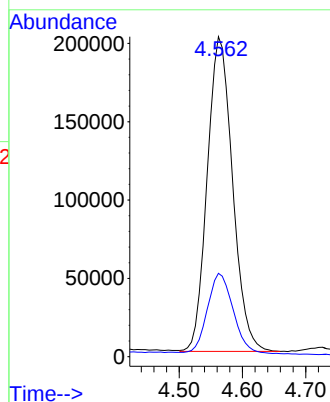
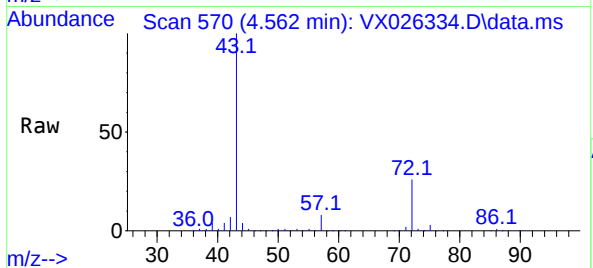




#25
2-Butanone
Concen: 310.977 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

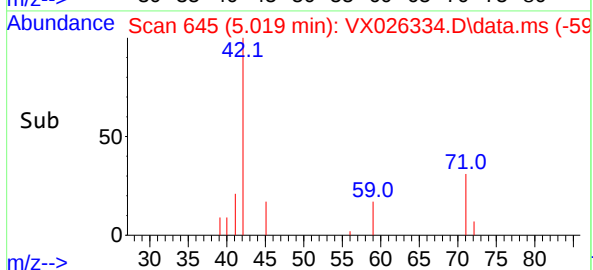
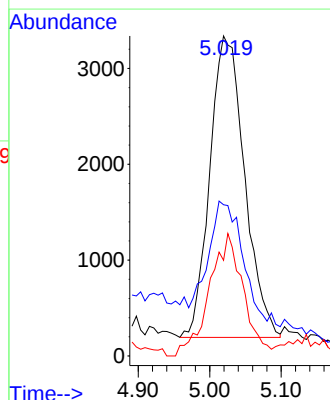
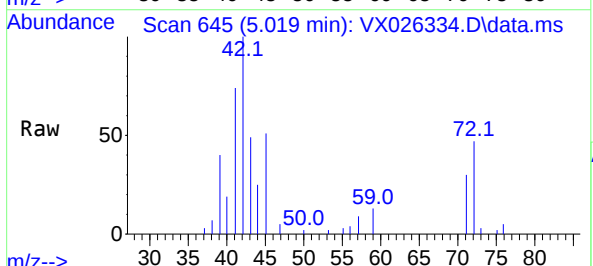
Instrument :
MSVOA_X
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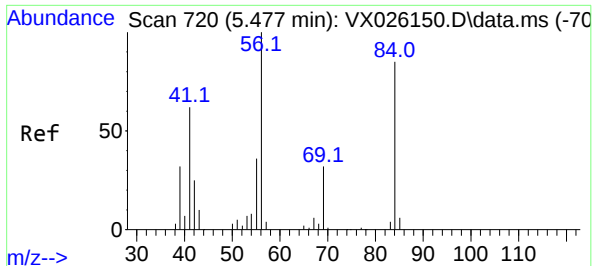
Tgt Ion: 43 Resp: 559079
Ion Ratio Lower Upper
43 100
72 25.5 21.0 31.4



#29
Tetrahydrofuran
Concen: 9.364 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 42 Resp: 10611
Ion Ratio Lower Upper
42 100
72 42.9 37.0 55.6
71 39.4 34.1 51.1





#31

Cyclohexane

Concen: 1.954 ug/l

RT: 5.476 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX026334.D

Acq: 05 Jan 2022 19:52

Instrument :

MSVOA_X

ClientSampleId :

40567

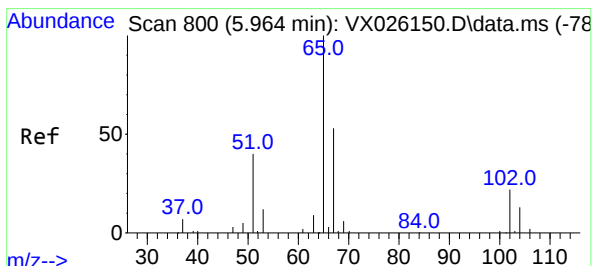
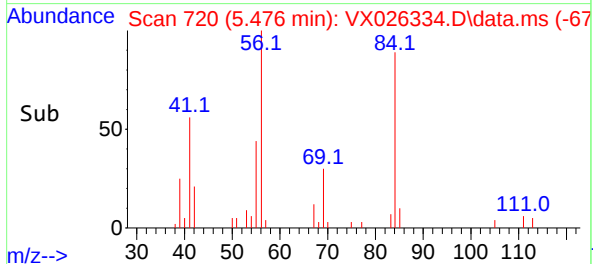
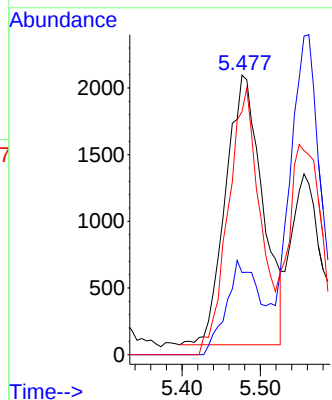
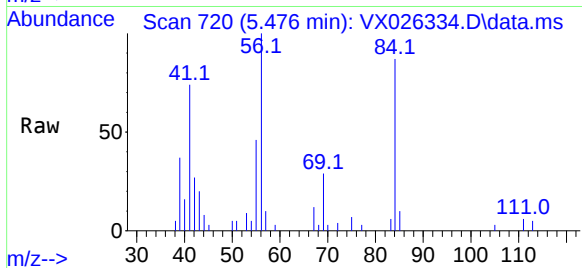
Tgt Ion: 56 Resp: 6627

Ion Ratio Lower Upper

56 100

69 30.5 23.9 35.9

84 90.1 73.2 109.8



#33

1,2-Dichloroethane-d4

Concen: 45.365 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026334.D

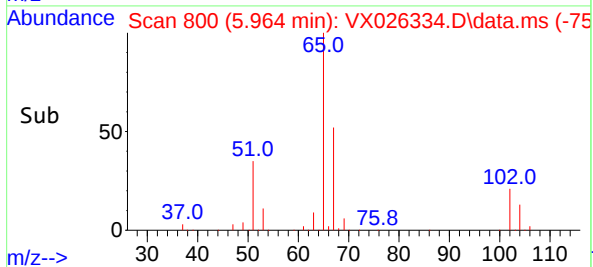
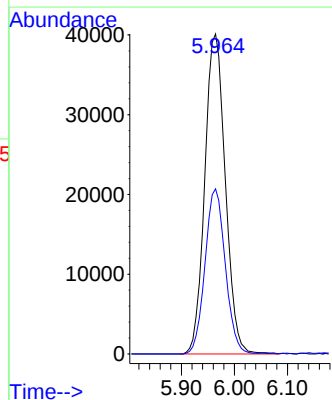
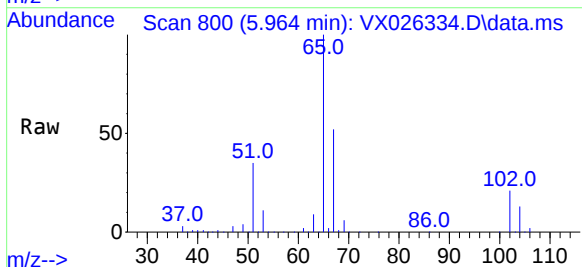
Acq: 05 Jan 2022 19:52

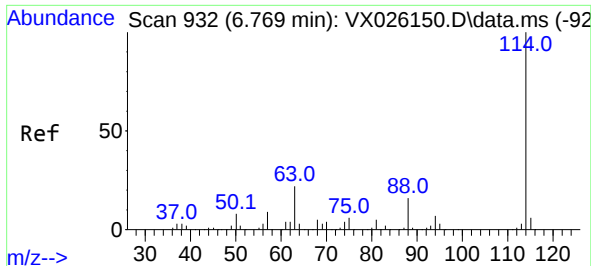
Tgt Ion: 65 Resp: 108061

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4

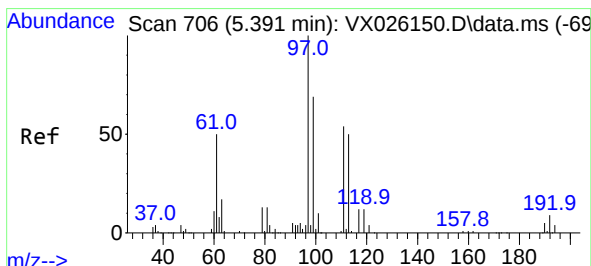
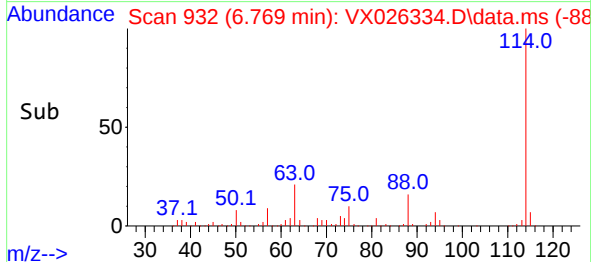
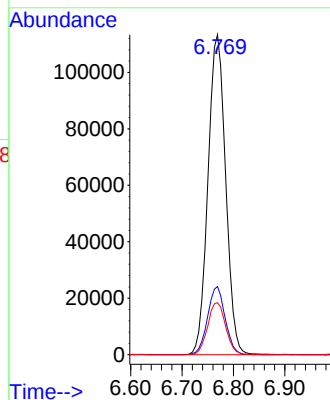
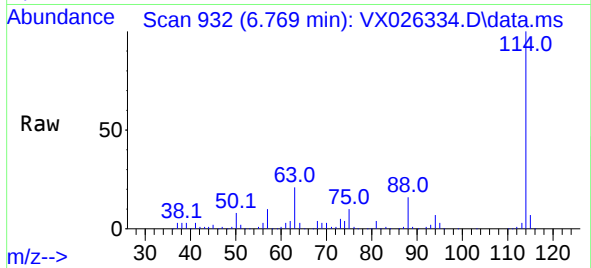




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

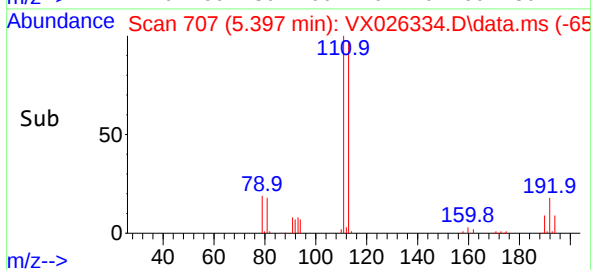
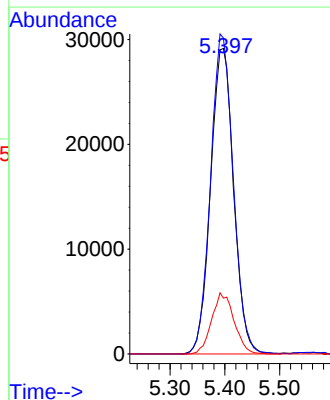
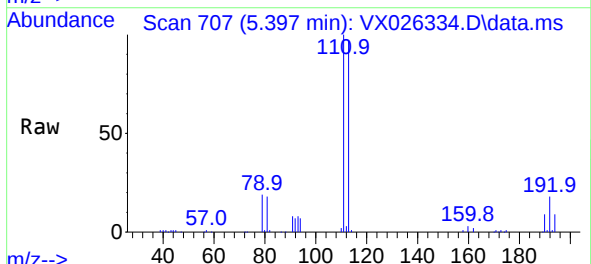
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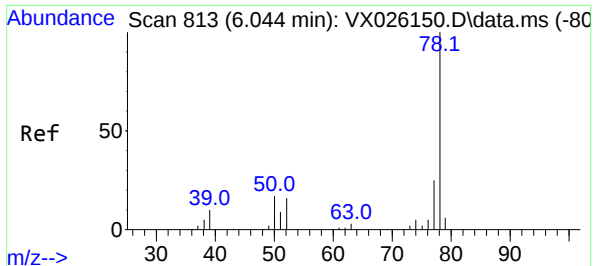
Tgt Ion:114 Resp: 270106
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.458 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion:113 Resp: 85094
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 19.4 15.0 22.4

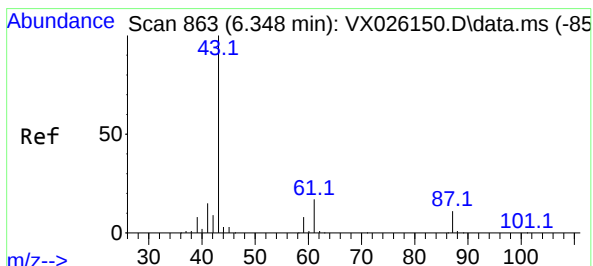
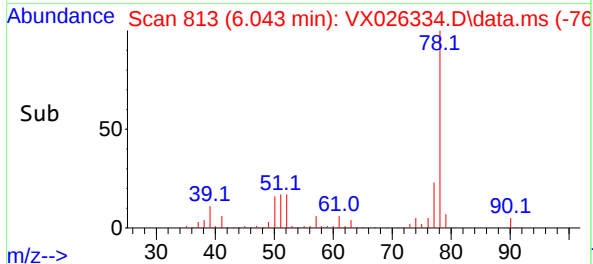
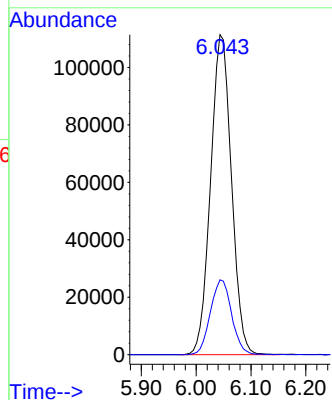
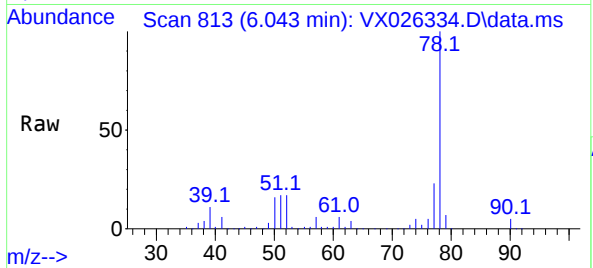




#40
Benzene
Concen: 36.402 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

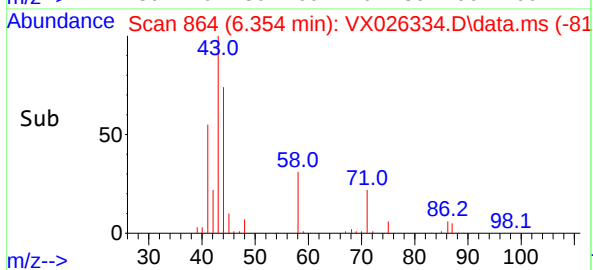
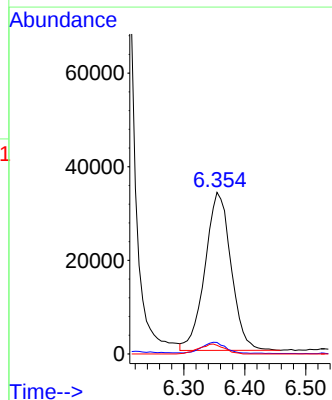
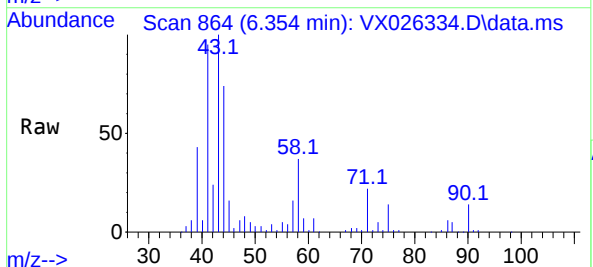
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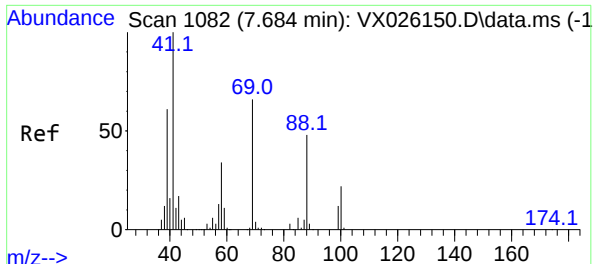
Tgt Ion: 78 Resp: 294258
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8



#43
Isopropyl Acetate
Concen: 18.784 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 43 Resp: 100535
Ion Ratio Lower Upper
43 100
61 6.0 15.7 23.5#
87 6.0 11.2 16.8#

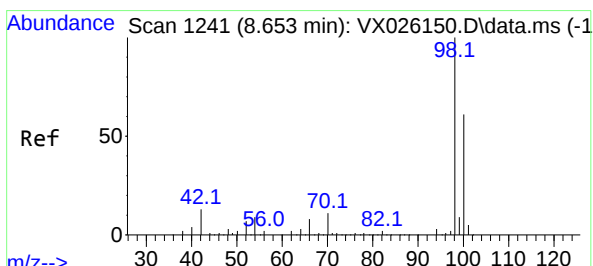
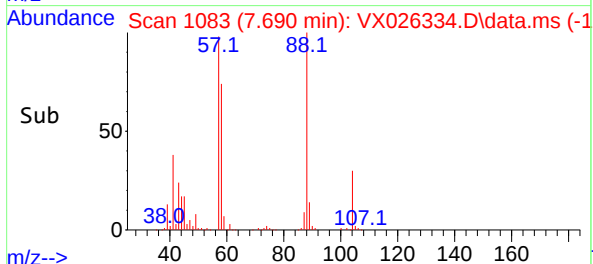
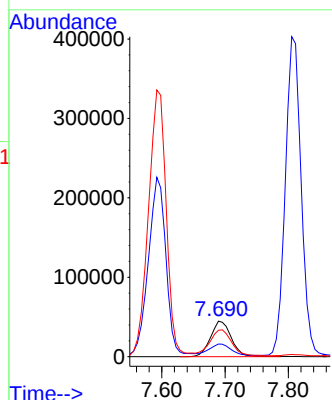
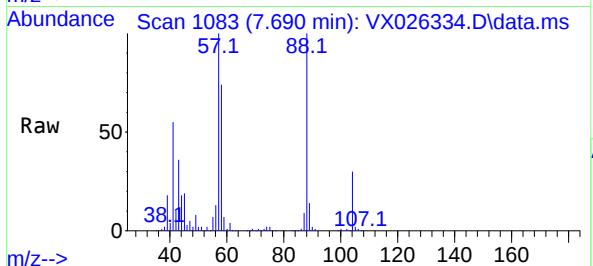




#49
1,4-Dioxane
Concen: 2137.661 ug/l
RT: 7.690 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

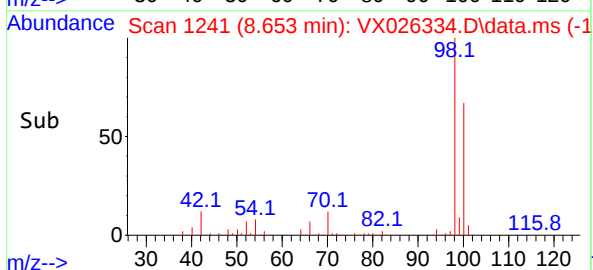
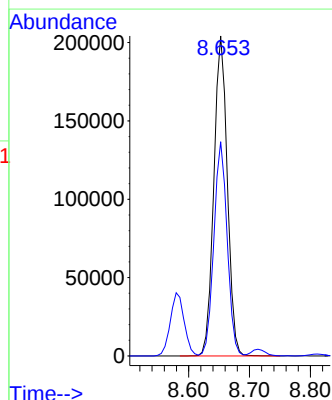
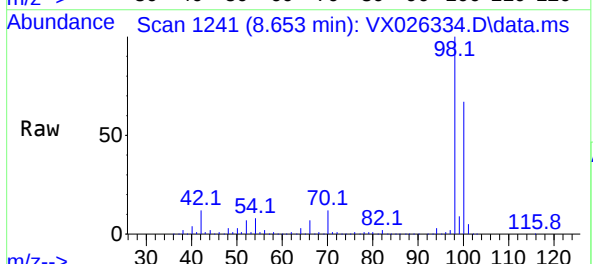
Instrument :
MSVOA_X
ClientSampleId :
40567

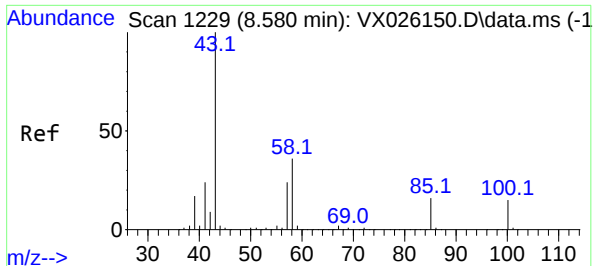
Tgt Ion: 88 Resp: 101121
Ion Ratio Lower Upper
88 100
43 35.1 25.3 37.9
58 76.9 51.8 77.6



#50
Toluene-d8
Concen: 47.929 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 98 Resp: 313065
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

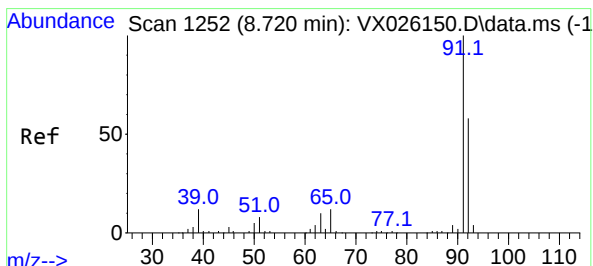
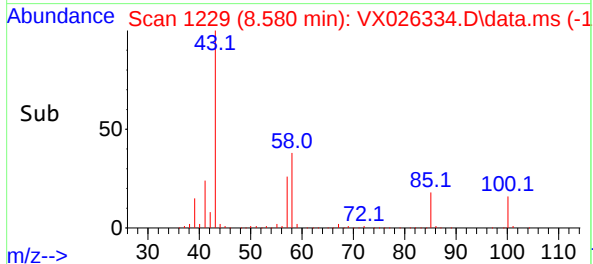
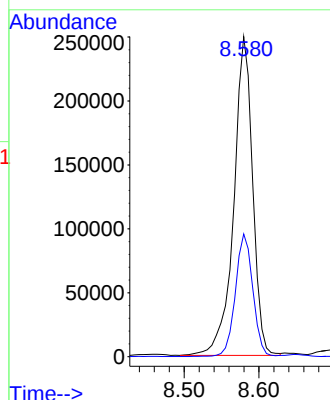
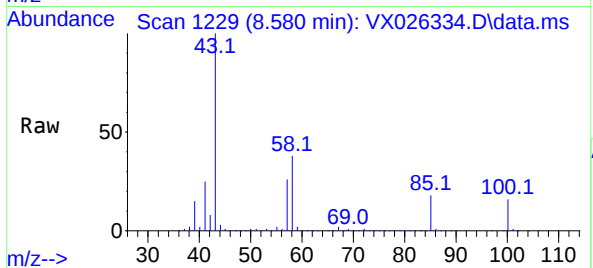




#51
4-Methyl-2-Pentanone
Concen: 131.242 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

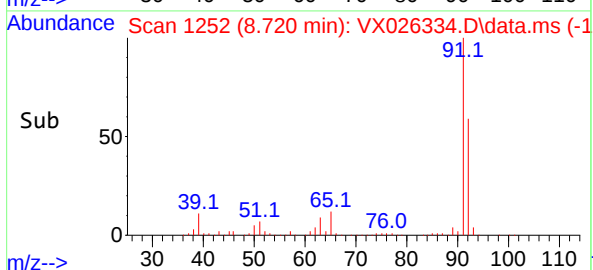
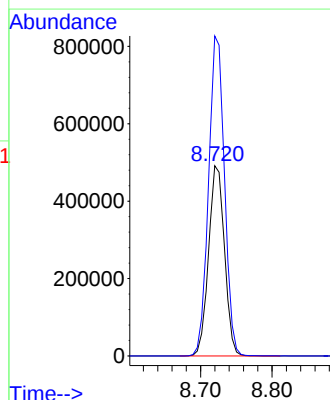
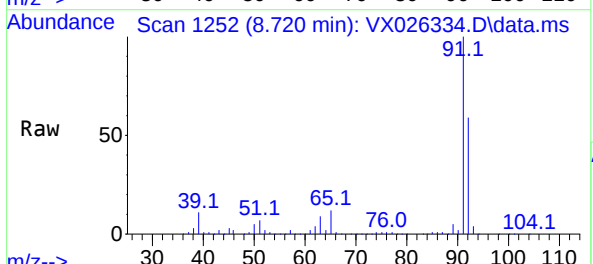
Instrument :
MSVOA_X
ClientSampleId :
40567

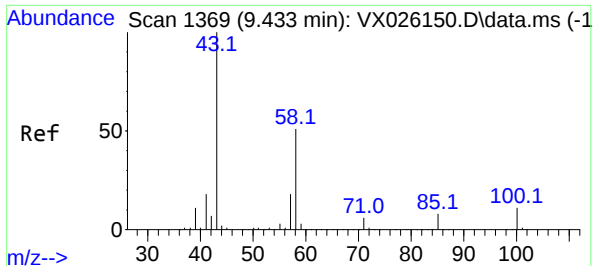
Tgt Ion: 43 Resp: 437139
Ion Ratio Lower Upper
43 100
58 35.5 30.8 46.2



#52
Toluene
Concen: 152.627 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 92 Resp: 759531
Ion Ratio Lower Upper
92 100
91 168.5 136.0 204.0





#59

2-Hexanone

Concen: 22.107 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026334.D

Acq: 05 Jan 2022 19:52

Instrument :

MSVOA_X

ClientSampleId :

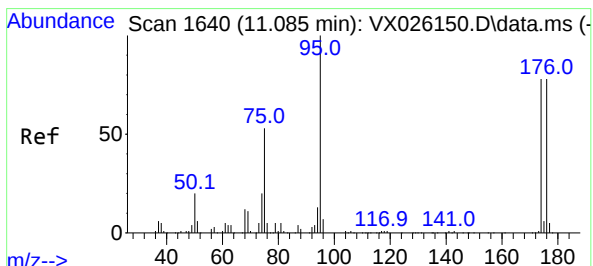
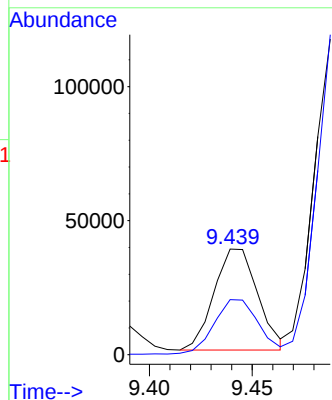
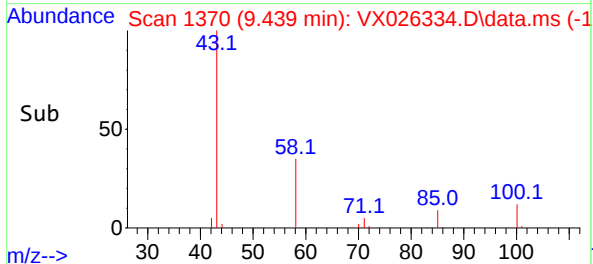
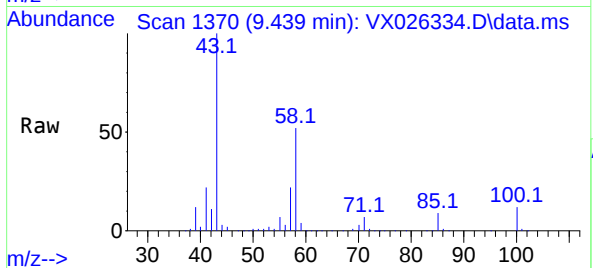
40567

Tgt Ion: 43 Resp: 55777

Ion Ratio Lower Upper

43 100

58 55.0 26.9 80.6



#62

4-Bromofluorobenzene

Concen: 51.320 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX026334.D

Acq: 05 Jan 2022 19:52

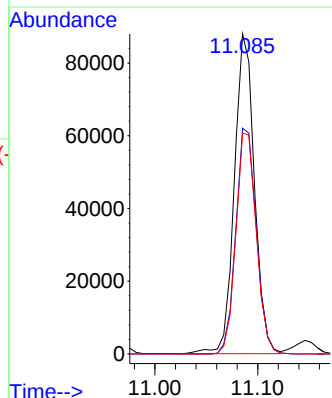
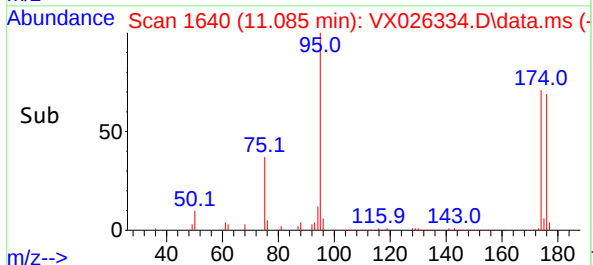
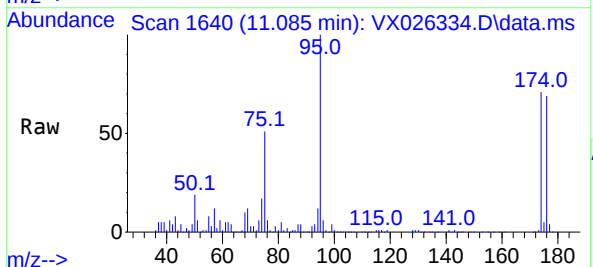
Tgt Ion: 95 Resp: 119331

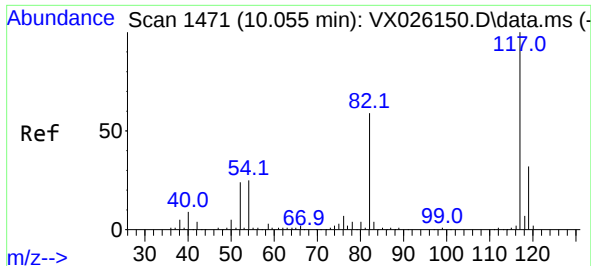
Ion Ratio Lower Upper

95 100

174 72.4 0.0 157.4

176 70.3 0.0 154.6

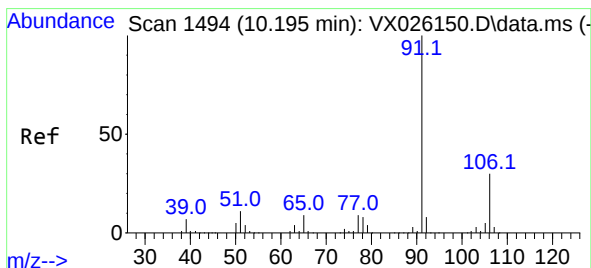
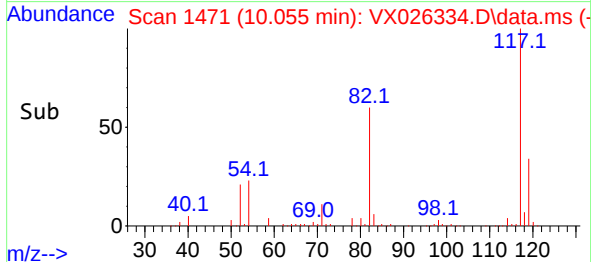
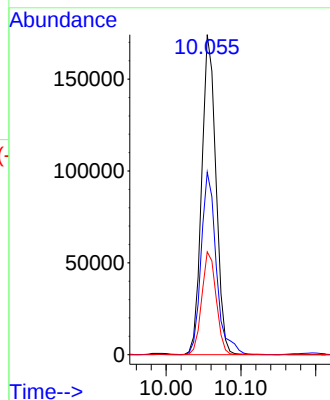
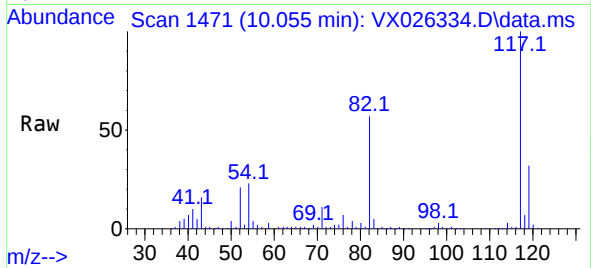




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

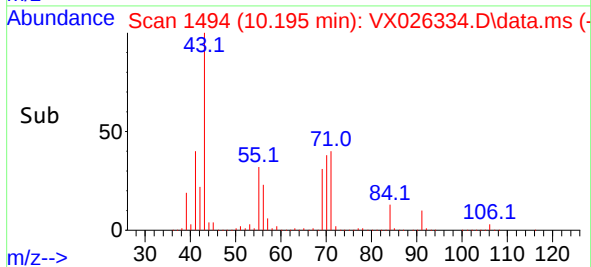
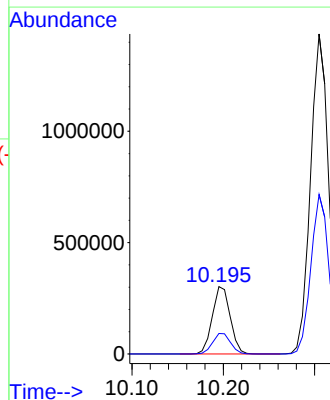
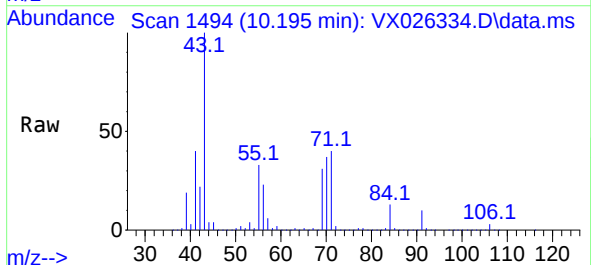
Instrument :
MSVOA_X
ClientSampleId :
40567

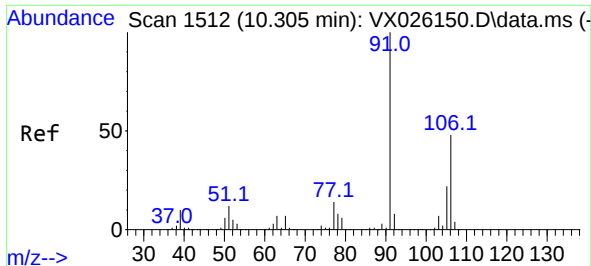
Tgt Ion:117 Resp: 230694
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.6
119 32.1 25.2 37.8



#67
Ethyl Benzene
Concen: 45.158 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 91 Resp: 409199
Ion Ratio Lower Upper
91 100
106 30.4 25.7 38.5

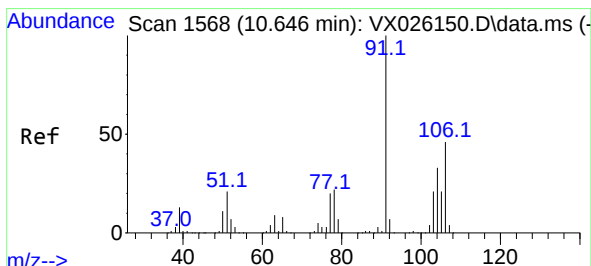
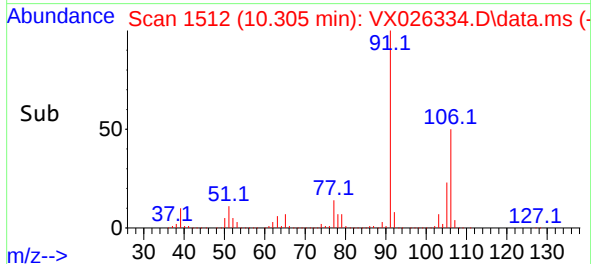
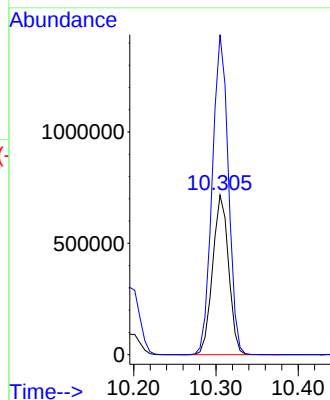
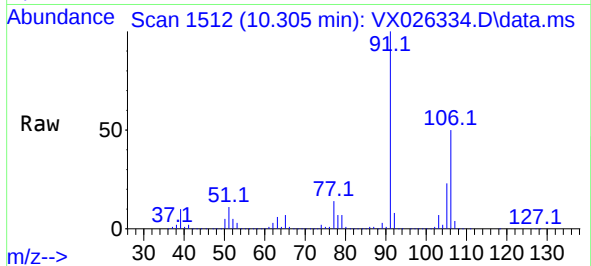




#68
m/p-Xylenes
Concen: 285.832 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

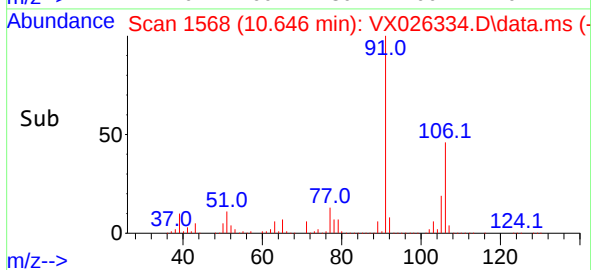
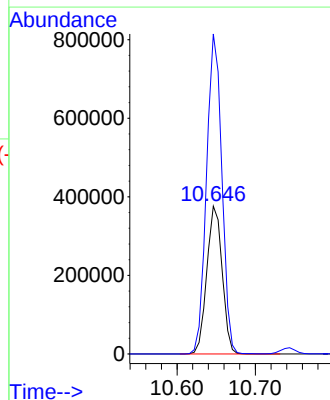
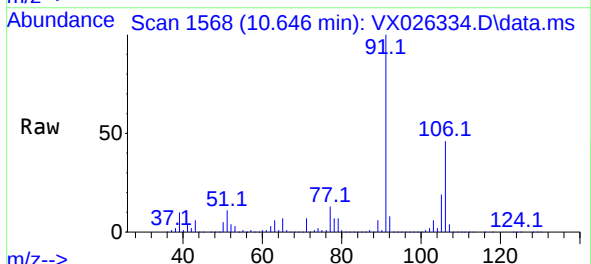
Instrument :
MSVOA_X
ClientSampleId :
40567

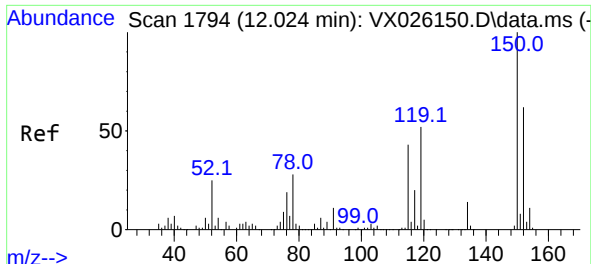
Tgt Ion:106 Resp: 967082
Ion Ratio Lower Upper
106 100
91 202.2 158.6 238.0



#69
o-Xylene
Concen: 154.271 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion:106 Resp: 510704
Ion Ratio Lower Upper
106 100
91 216.0 105.5 316.4

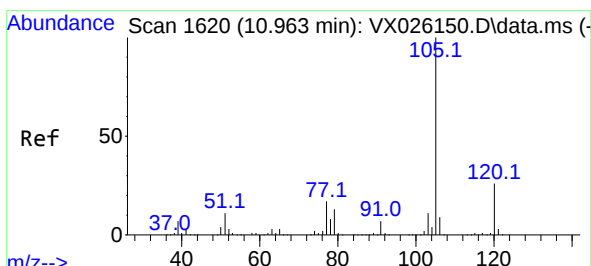
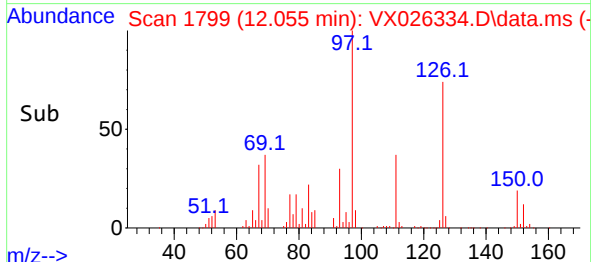
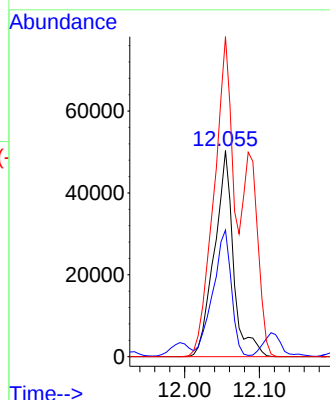
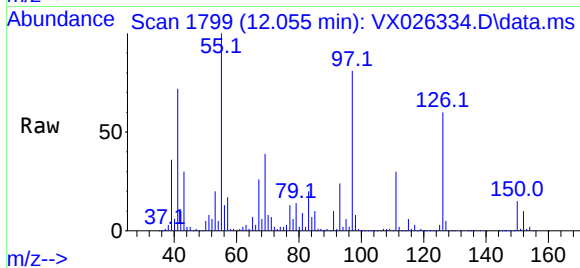




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.055 min Scan# 11
Delta R.T. 0.031 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

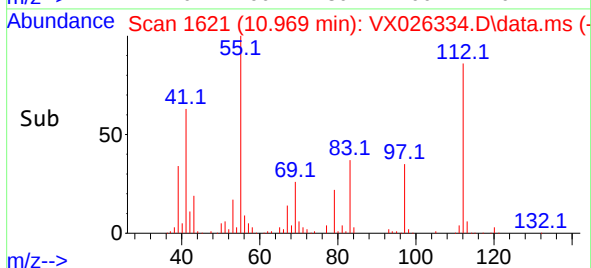
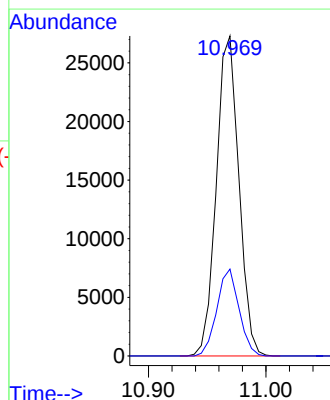
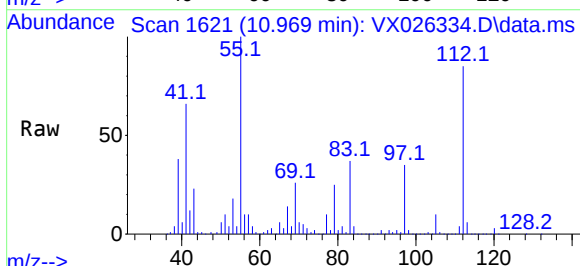
Instrument :
MSVOA_X
ClientSampleId :
40567

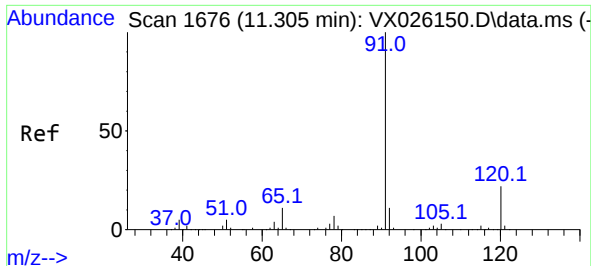
Tgt Ion:152 Resp: 89336
Ion Ratio Lower Upper
152 100
115 58.7 41.3 123.9
150 160.4 0.0 351.8



#73
Isopropylbenzene
Concen: 5.240 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion:105 Resp: 36388
Ion Ratio Lower Upper
105 100
120 26.7 13.6 40.7

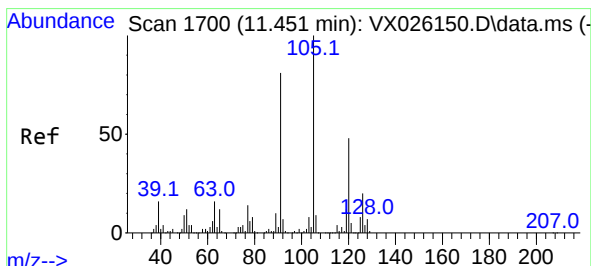
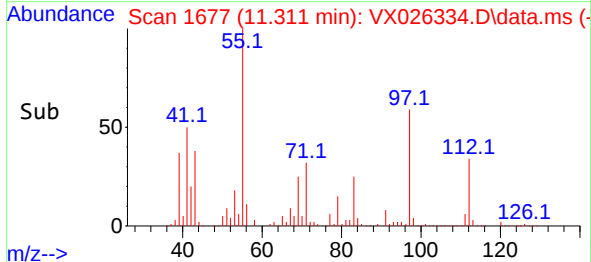
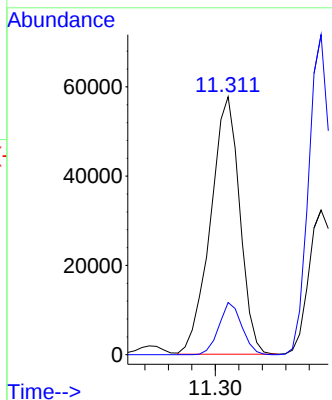
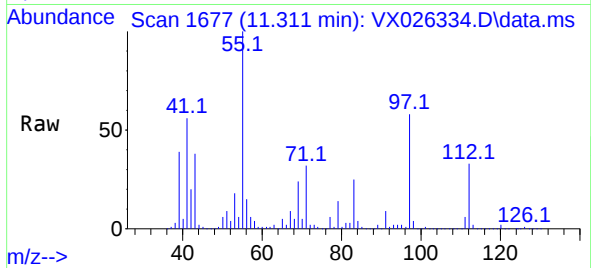




#78
n-propylbenzene
Concen: 12.464 ug/l
RT: 11.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

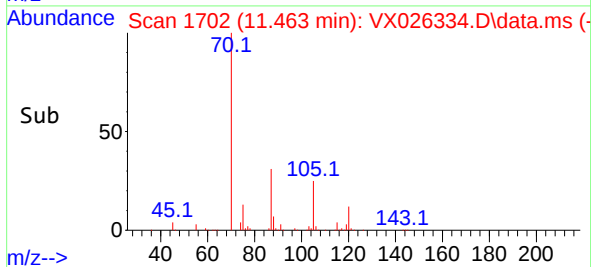
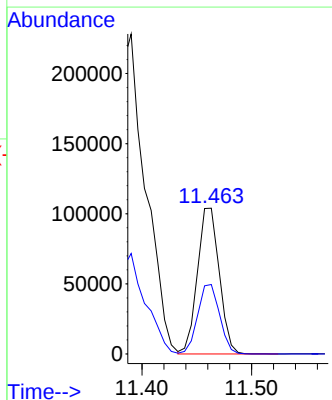
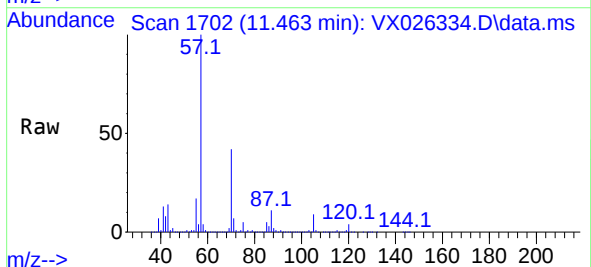
Instrument :
MSVOA_X
ClientSampleId :
40567

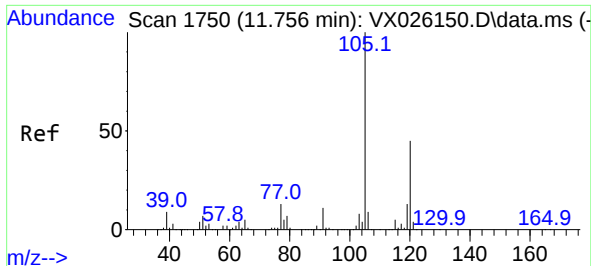
Tgt Ion: 91 Resp: 99513
Ion Ratio Lower Upper
91 100
120 15.9 12.0 36.1



#80
1,3,5-Trimethylbenzene
Concen: 25.068 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion: 105 Resp: 144460
Ion Ratio Lower Upper
105 100
120 47.7 24.9 74.7

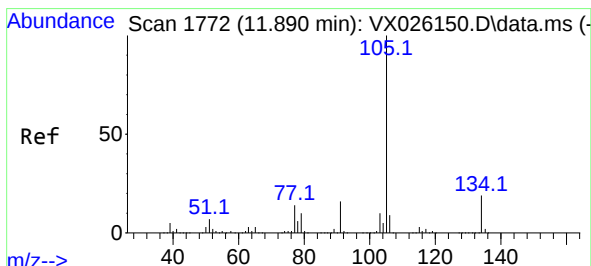
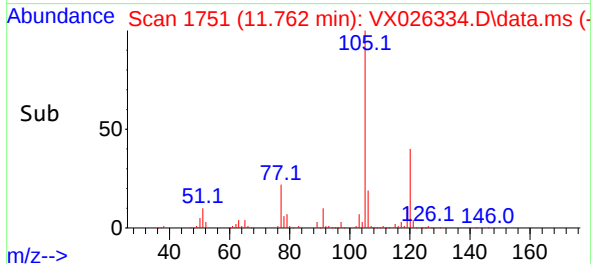
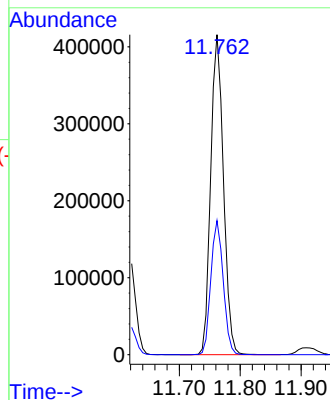
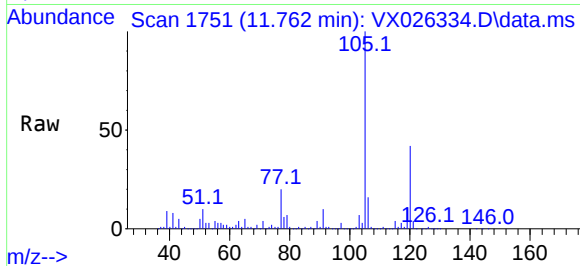




#84
1,2,4-Trimethylbenzene
Concen: 104.927 ug/l
RT: 11.762 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

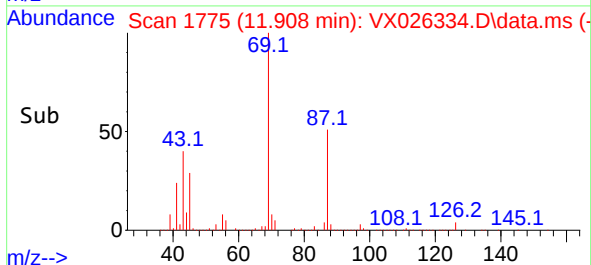
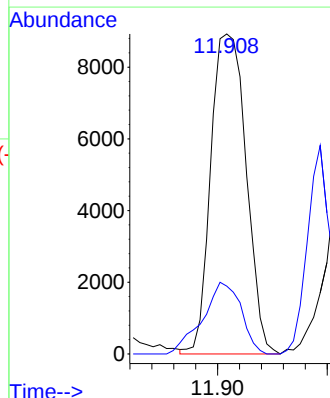
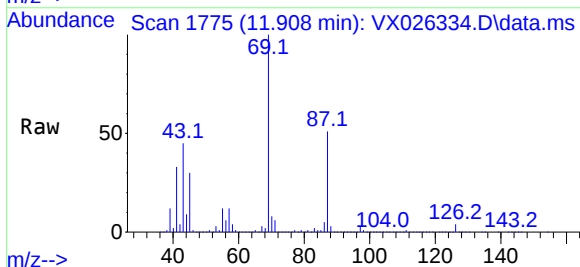
Instrument :
MSVOA_X
ClientSampleId :
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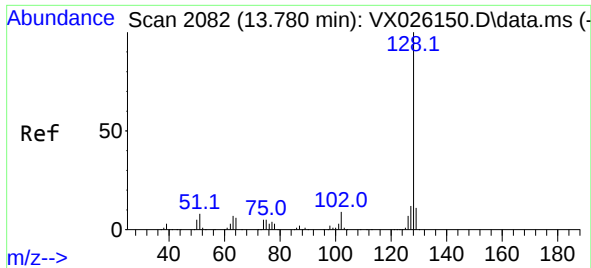
Tgt Ion:105 Resp: 604179
Ion Ratio Lower Upper
105 100
120 40.7 22.9 68.7



#85
sec-Butylbenzene
Concen: 2.864 ug/l
RT: 11.908 min Scan# 1775
Delta R.T. 0.018 min
Lab File: VX026334.D
Acq: 05 Jan 2022 19:52

Tgt Ion:105 Resp: 19992
Ion Ratio Lower Upper
105 100
134 24.4 10.4 31.1





#95

Naphthalene

Concen: 48.586 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX026334.D

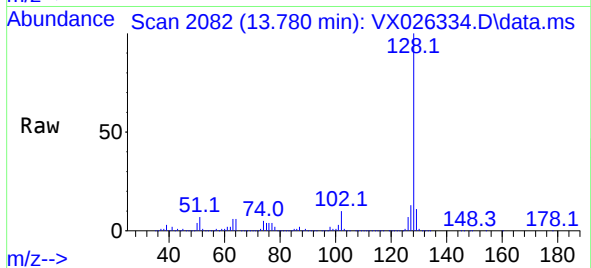
Acq: 05 Jan 2022 19:52

Instrument :

MSVOA_X

ClientSampleId :

40567



Tgt Ion:128 Resp: 335460

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.3 8.8 13.2

