

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026333.D
 Acq On : 05 Jan 2022 19:29
 Operator : JC/MD
 Sample : M5336-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40564

Quant Time: Jan 06 03:11:51 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)

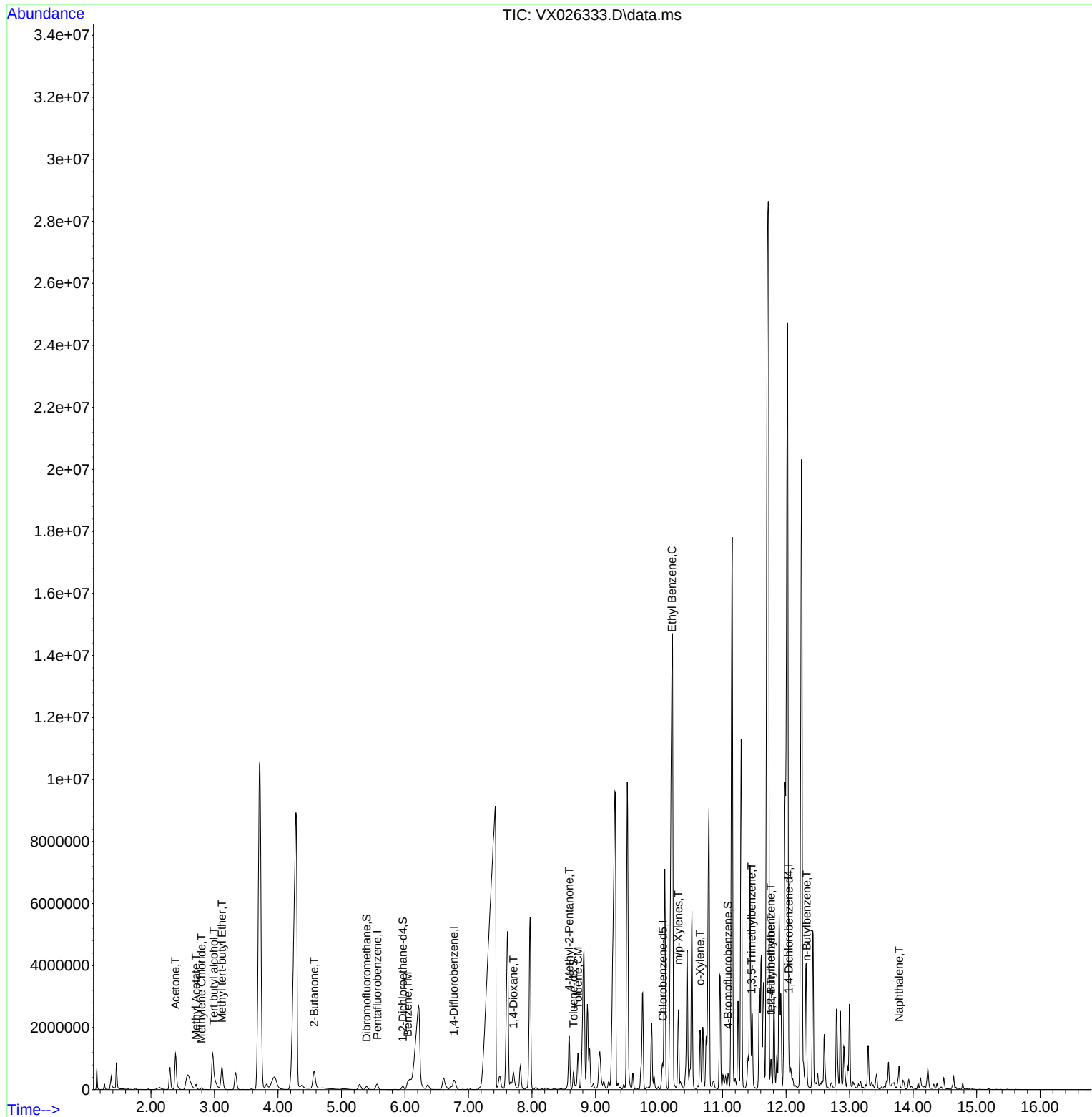
Internal Standards						
1) Pentafluorobenzene	5.562	168	165009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	230921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.042	152	103674	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108842	45.594	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.180%
35) Dibromofluoromethane	5.397	113	85842	49.218	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.440%
50) Toluene-d8	8.653	98	313359	48.303	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.600%
62) 4-Bromofluorobenzene	11.085	95	121806	52.743	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	790137	1657.163	ug/l	97
16) Acetone	2.386	43	1386861	1072.246	ug/l	98
18) Methyl Acetate	2.709	43	193302	46.075	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	804492	126.052	ug/l	99
20) Methylene Chloride	2.794	84	22890	10.318	ug/l	93
25) 2-Butanone	4.568	43	945152	524.582	ug/l	99
40) Benzene	6.043	78	290383	36.169	ug/l	97
49) 1,4-Dioxane	7.708	88	267543	5694.490	ug/l	96
51) 4-Methyl-2-Pentanone	8.586	43	1079772	326.400	ug/l	99
52) Toluene	8.726	92	404400	81.820	ug/l	100
67) Ethyl Benzene	10.201	91	217415	23.970	ug/l	98
68) m/p-Xylenes	10.305	106	572635	169.082	ug/l	95
69) o-Xylene	10.646	106	315343	95.164	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	58693	8.776	ug/l	97
83) tert-Butylbenzene	11.762	119	27102	4.175	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.762	105	329122	49.253	ug/l	77
89) n-Butylbenzene	12.323	91	31779	5.295	ug/l #	38
95) Naphthalene	13.780	128	409607	51.120	ug/l	100

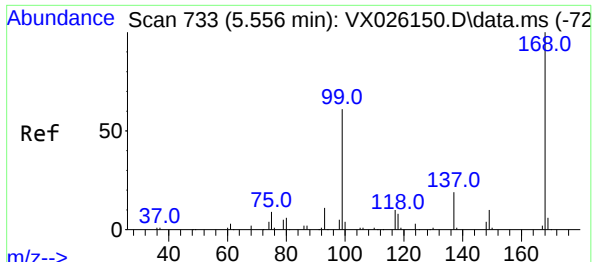
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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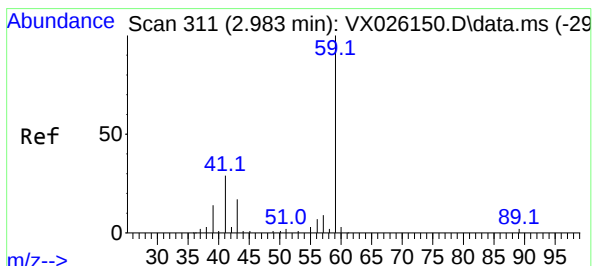
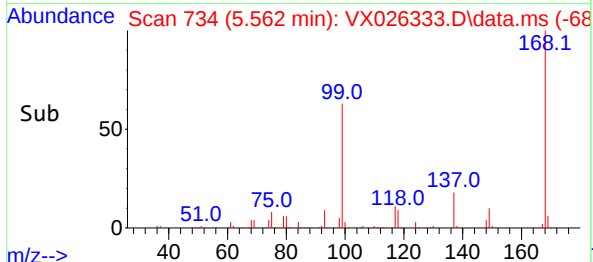
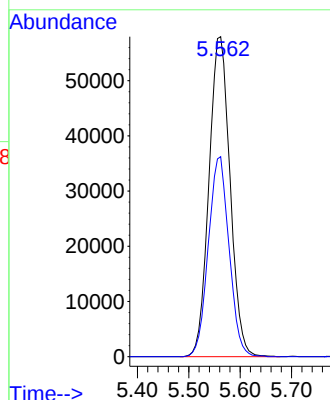
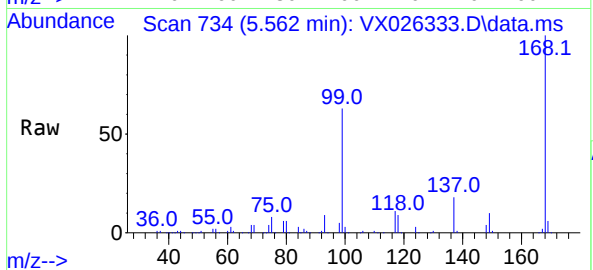




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

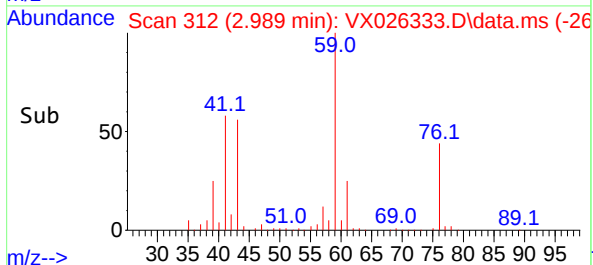
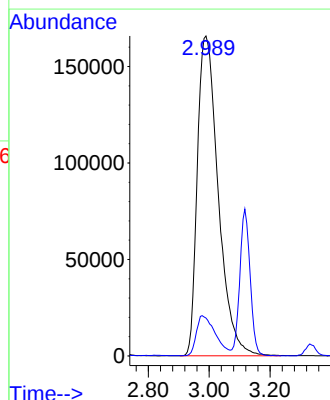
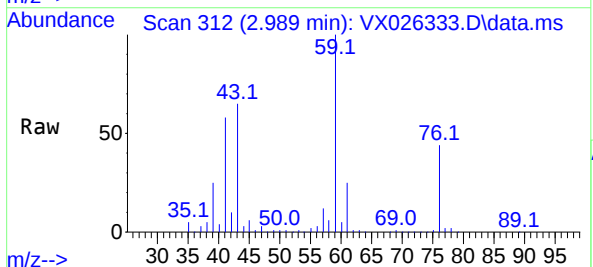
Instrument :
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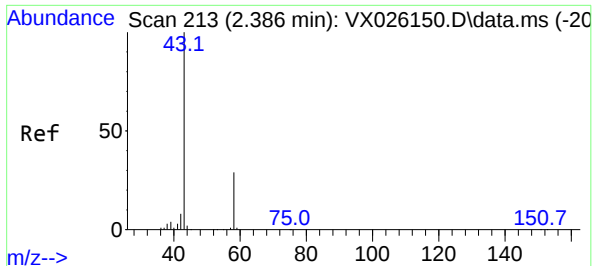
Tgt Ion:168 Resp: 165009
Ion Ratio Lower Upper
168 100
99 62.5 45.8 68.8



#11
Tert butyl alcohol
Concen: 1657.163 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 59 Resp: 790137
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.2

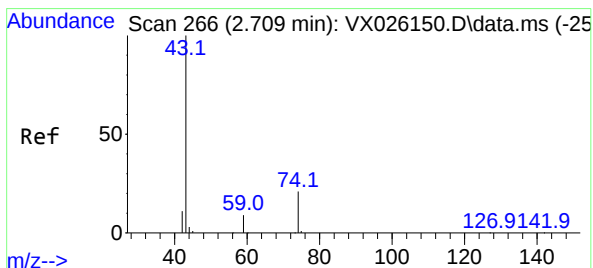
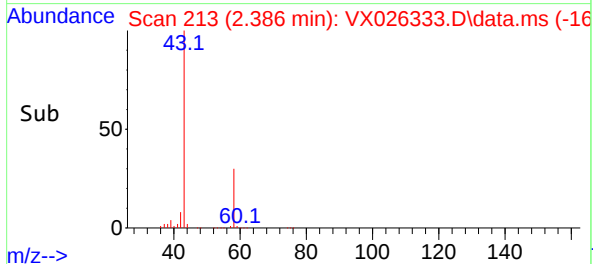
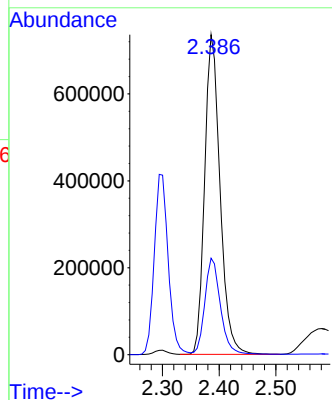
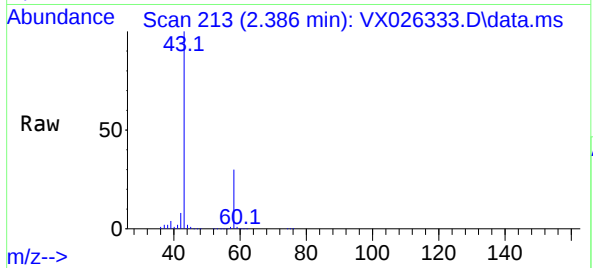




#16
Acetone
Concen: 1072.246 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

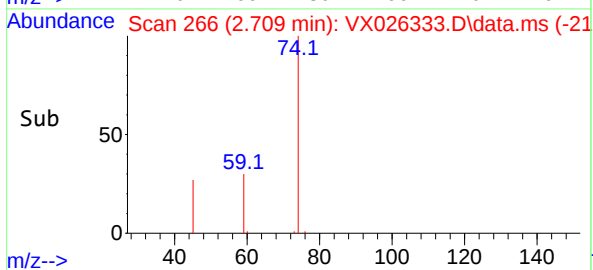
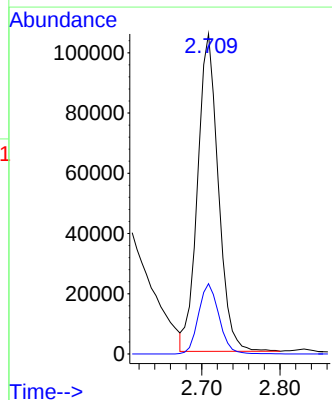
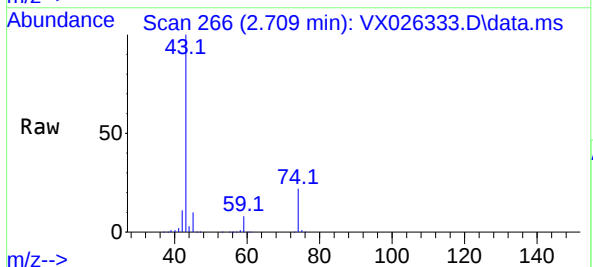
Instrument :
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ClientSampleId :
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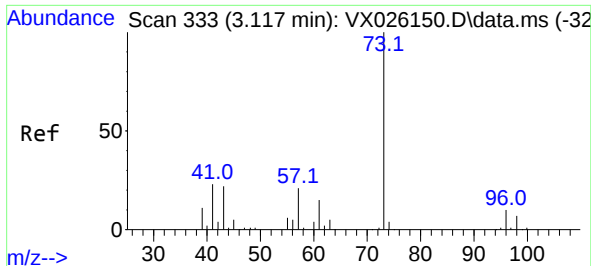
Tgt Ion: 43 Resp: 1386861
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2



#18
Methyl Acetate
Concen: 46.075 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 43 Resp: 193302
Ion Ratio Lower Upper
43 100
74 21.9 19.1 28.7

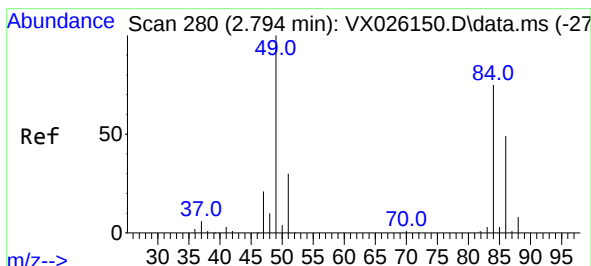
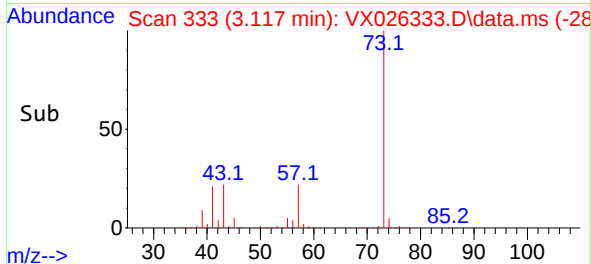
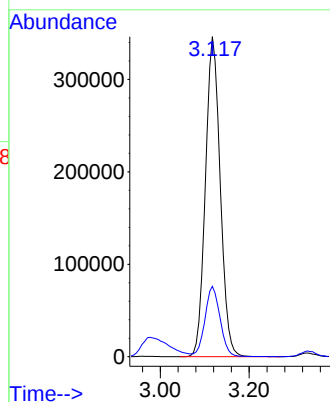
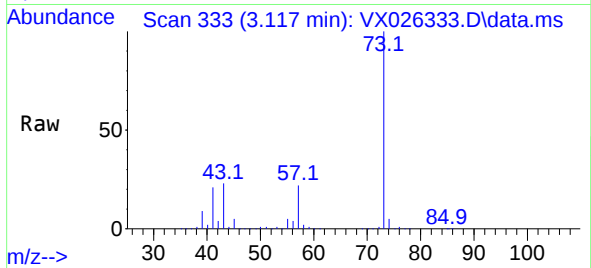




#19
Methyl tert-butyl Ether
Concen: 126.052 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

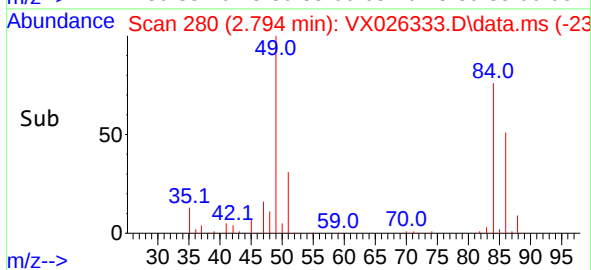
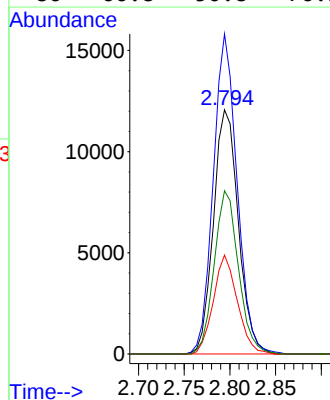
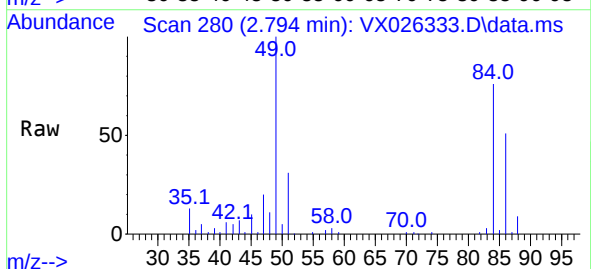
Instrument :
MSVOA_X
ClientSampleId :
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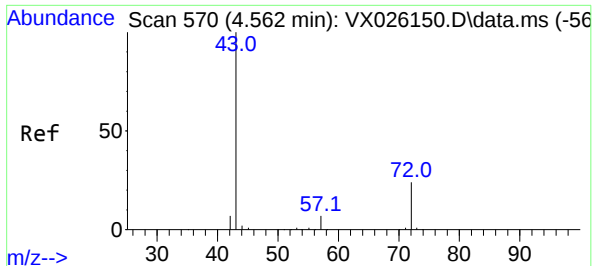
Tgt Ion: 73 Resp: 804492
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6



#20
Methylene Chloride
Concen: 10.318 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 84 Resp: 22890
Ion Ratio Lower Upper
84 100
49 131.0 97.1 145.7
51 40.5 29.3 43.9
86 66.8 50.8 76.2

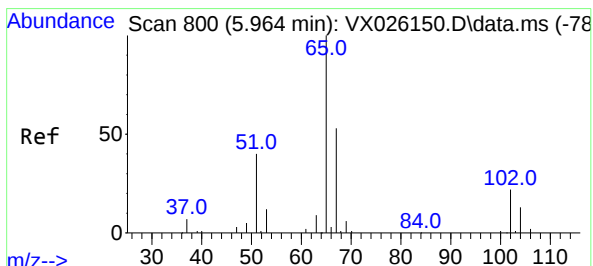
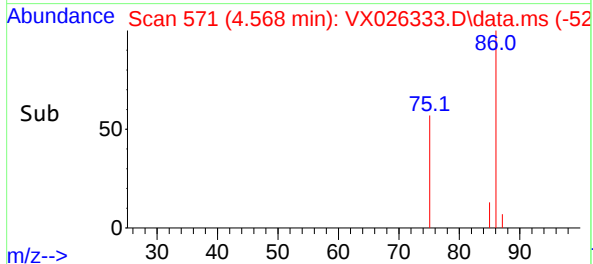
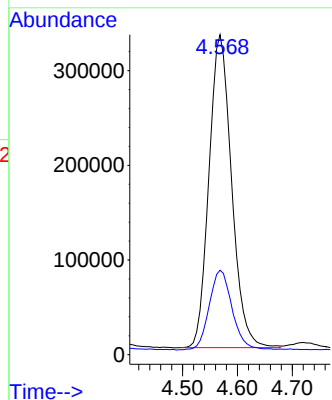
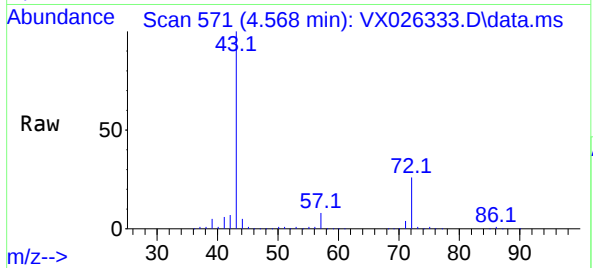




#25
2-Butanone
Concen: 524.582 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

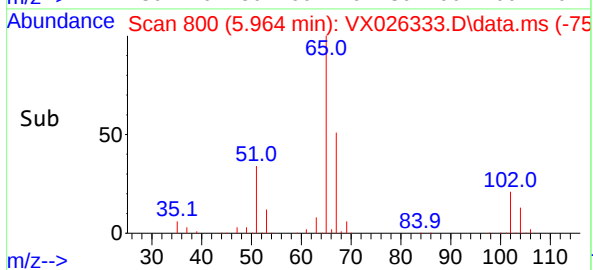
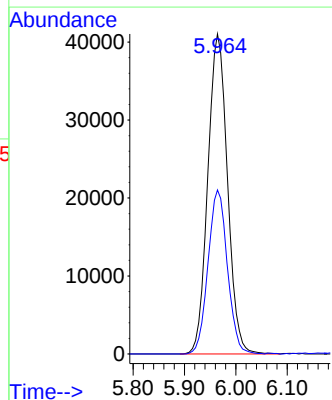
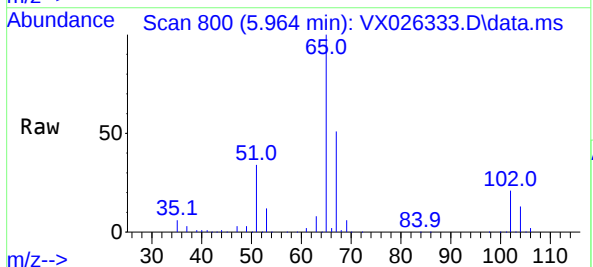
Instrument :
MSVOA_X
ClientSampleId :
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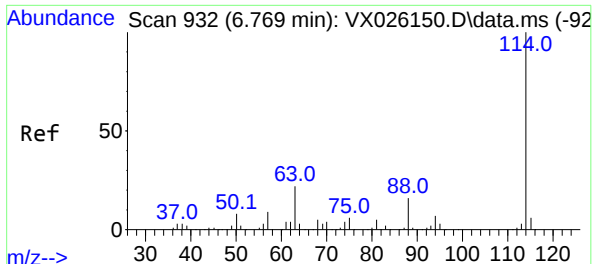
Tgt Ion: 43 Resp: 945152
Ion Ratio Lower Upper
43 100
72 25.4 21.0 31.4



#33
1,2-Dichloroethane-d4
Concen: 45.594 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 65 Resp: 108842
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.4

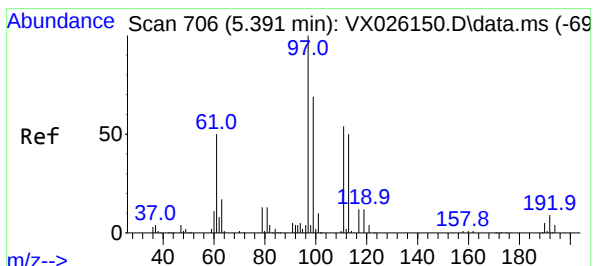
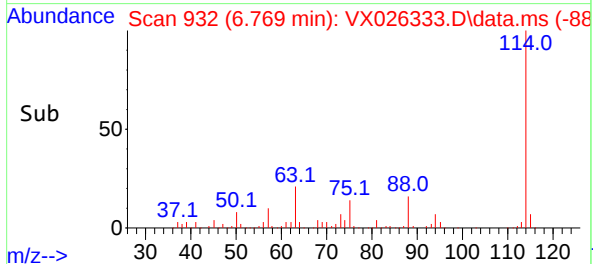
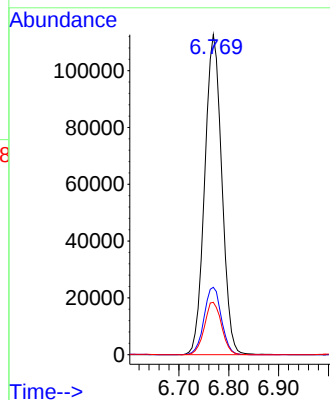
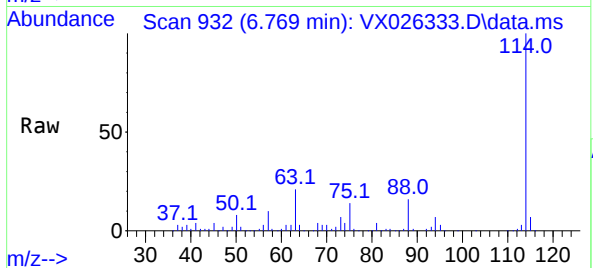




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

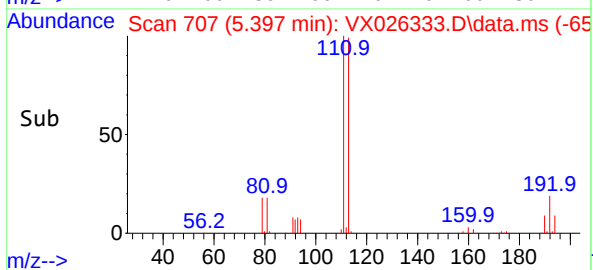
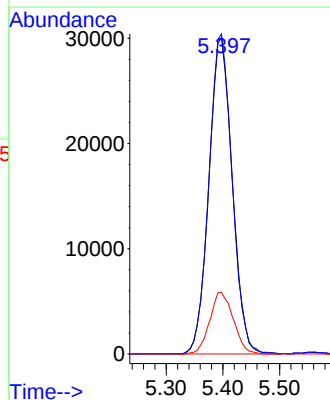
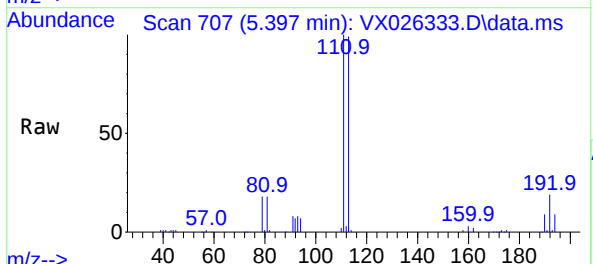
Instrument :
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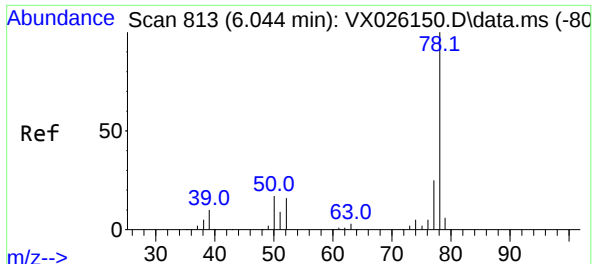
Tgt Ion:114 Resp: 268269
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.218 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion:113 Resp: 85842
Ion Ratio Lower Upper
113 100
111 100.9 81.8 122.8
192 19.7 15.0 22.4

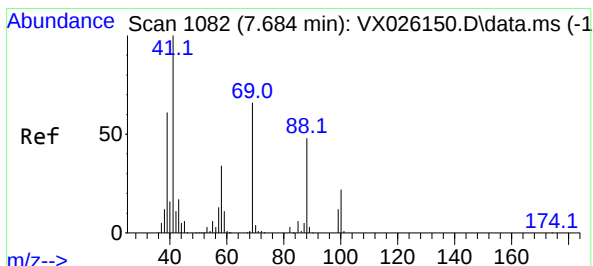
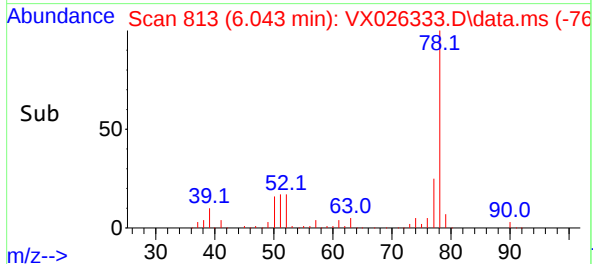
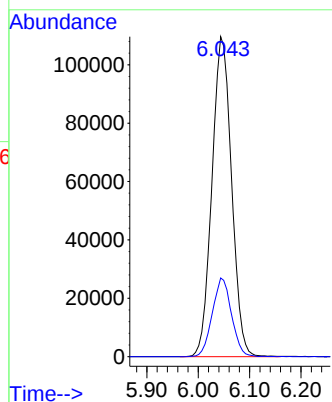
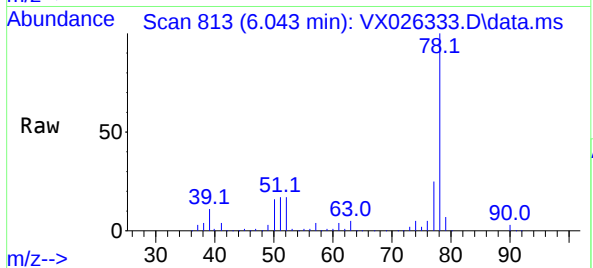




#40
Benzene
Concen: 36.169 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

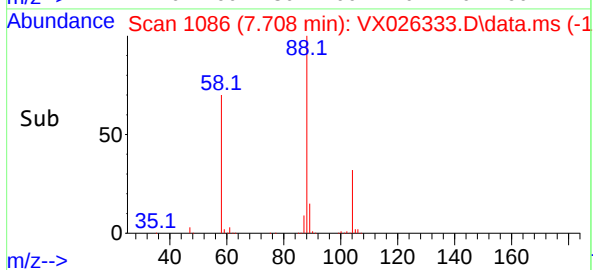
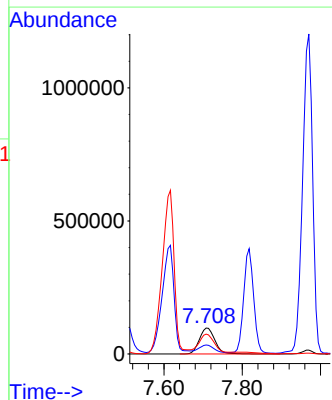
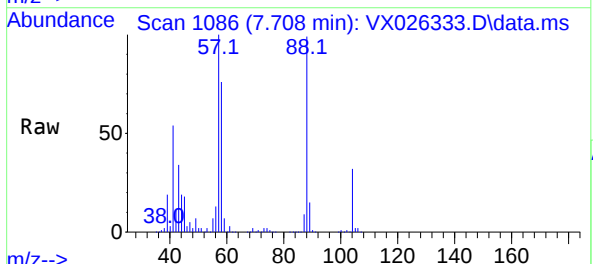
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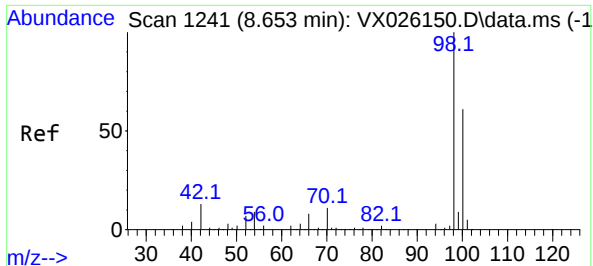
Tgt Ion: 78 Resp: 290383
Ion Ratio Lower Upper
78 100
77 24.6 18.6 27.8



#49
1,4-Dioxane
Concen: 5694.490 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.024 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 88 Resp: 267543
Ion Ratio Lower Upper
88 100
43 31.7 25.3 37.9
58 69.0 51.8 77.6

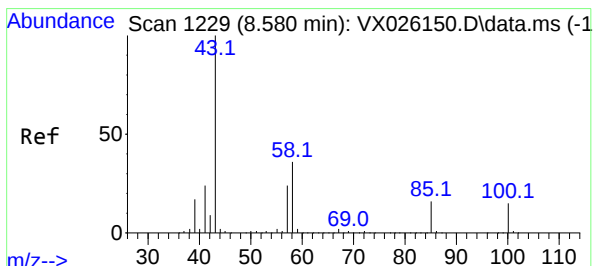
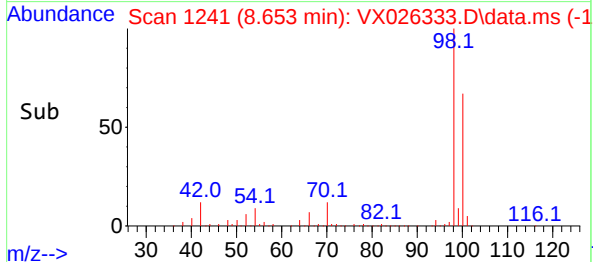
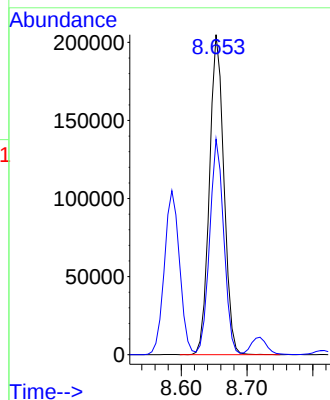
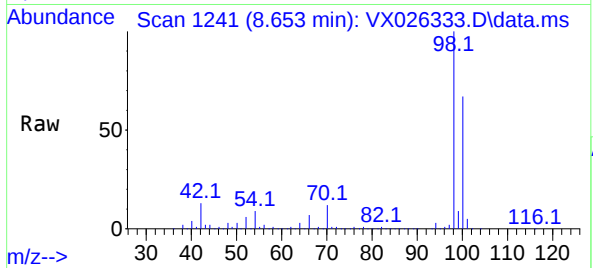




#50
Toluene-d8
Concen: 48.303 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

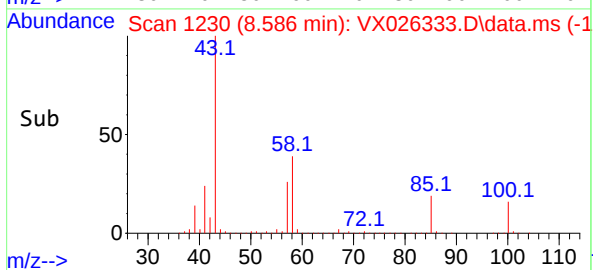
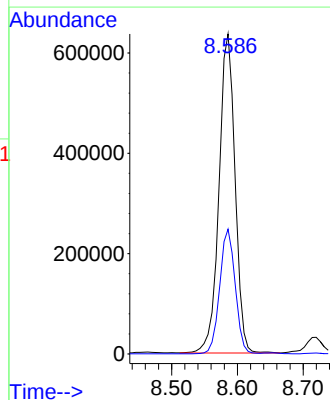
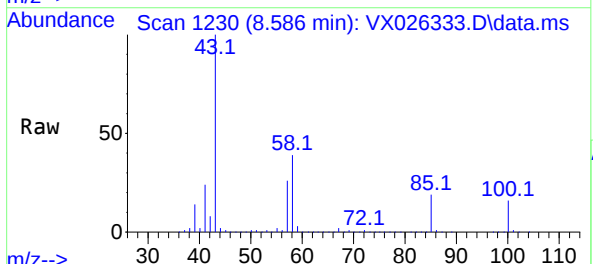
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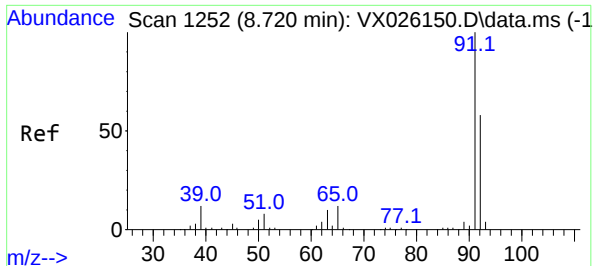
Tgt Ion: 98 Resp: 313359
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 326.400 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 43 Resp: 1079772
Ion Ratio Lower Upper
43 100
58 37.7 30.8 46.2





#52

Toluene

Concen: 81.820 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026333.D

Acq: 05 Jan 2022 19:29

Instrument :

MSVOA_X

ClientSampleId :

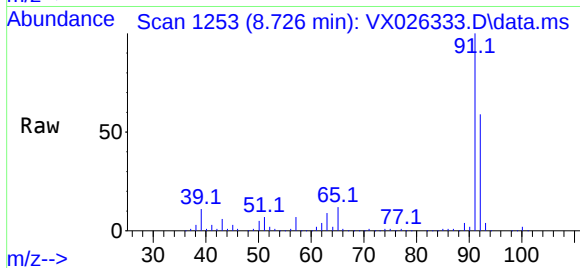
40564

Tgt Ion: 92 Resp: 404400

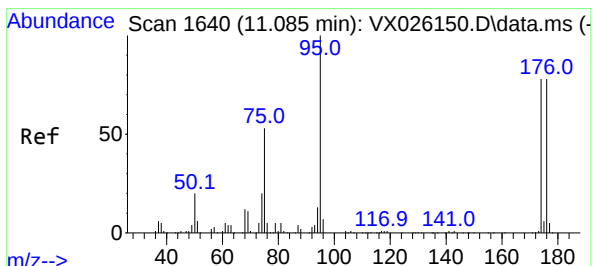
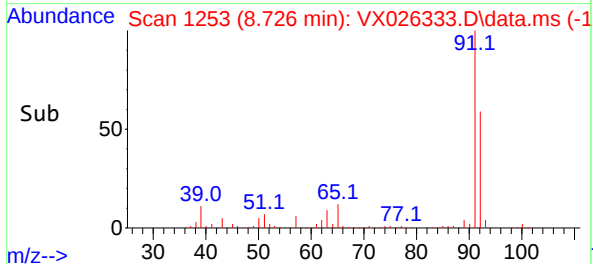
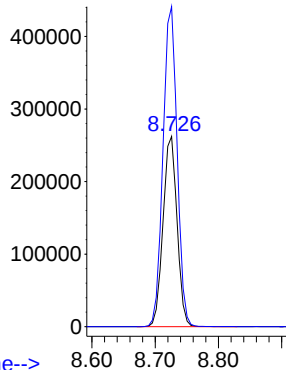
Ion Ratio Lower Upper

92 100

91 169.7 136.0 204.0



Abundance



#62

4-Bromofluorobenzene

Concen: 52.743 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX026333.D

Acq: 05 Jan 2022 19:29

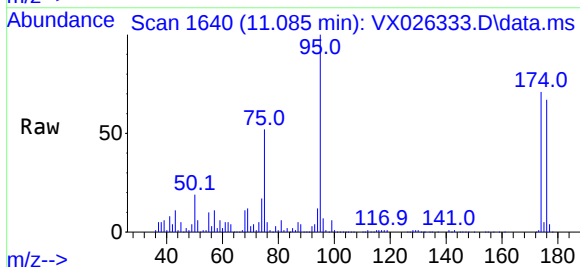
Tgt Ion: 95 Resp: 121806

Ion Ratio Lower Upper

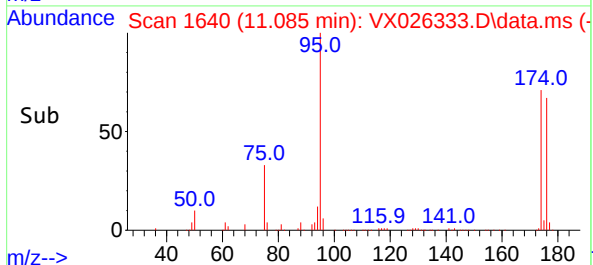
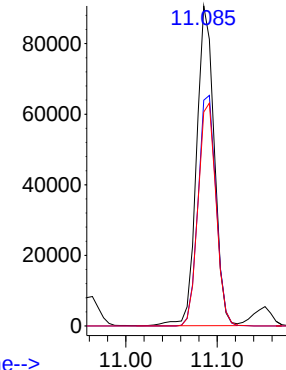
95 100

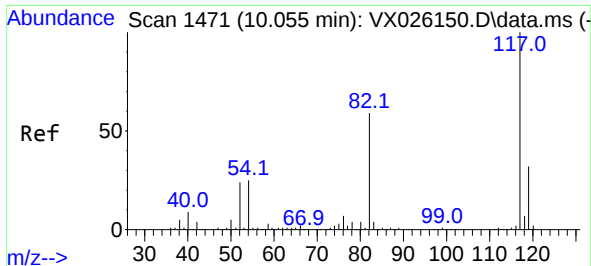
174 72.8 0.0 157.4

176 70.5 0.0 154.6



Abundance

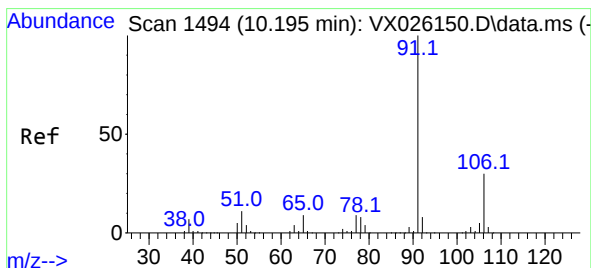
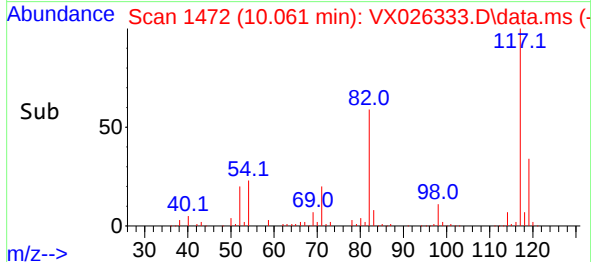
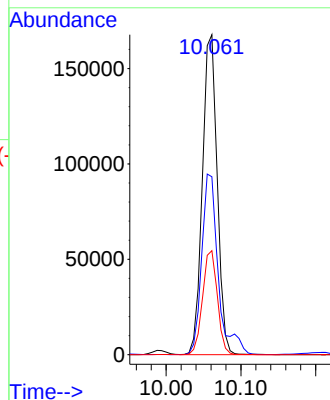
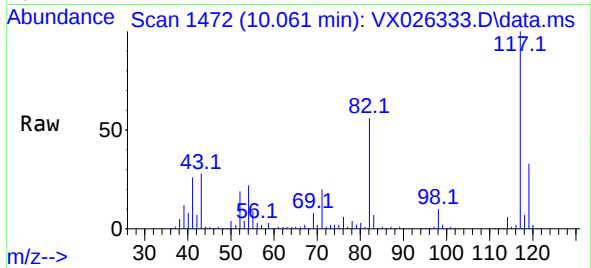




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

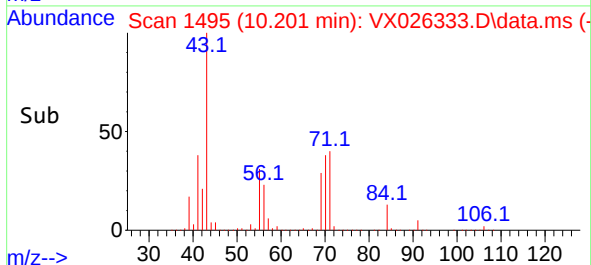
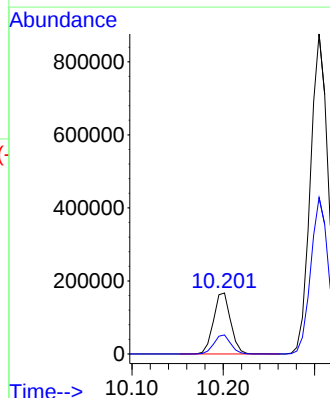
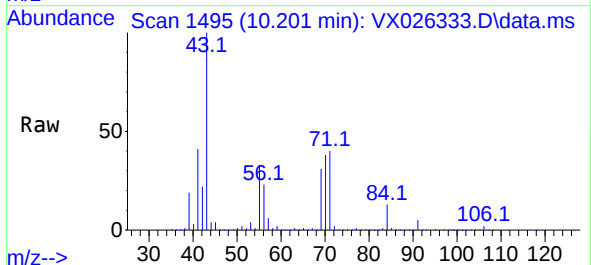
Instrument :
MSVOA_X
ClientSampleId :
40564

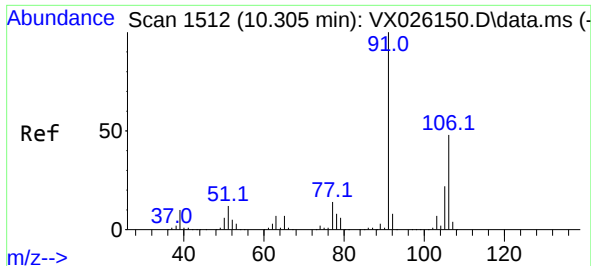
Tgt Ion:117 Resp: 230921
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.6
119 32.5 25.2 37.8



#67
Ethyl Benzene
Concen: 23.970 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 91 Resp: 217415
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5

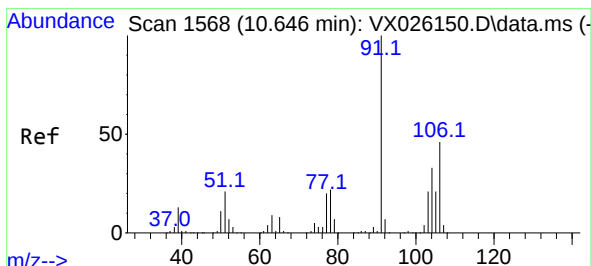
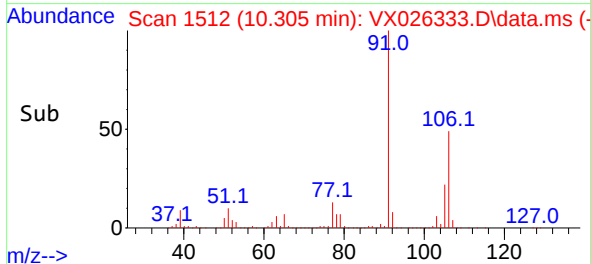
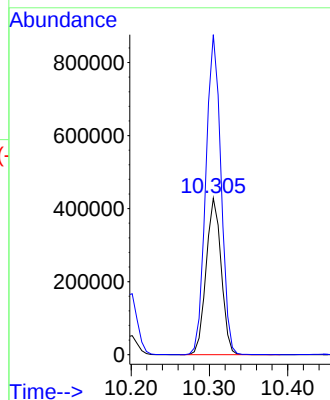
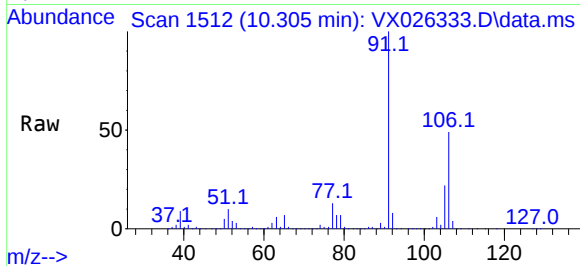




#68
m/p-Xylenes
Concen: 169.082 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

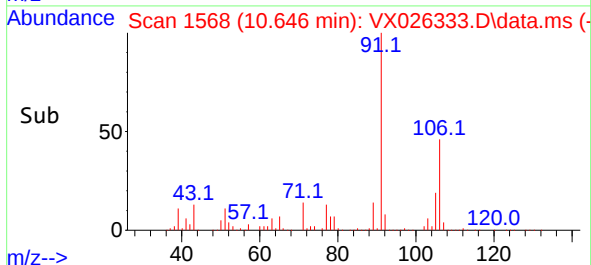
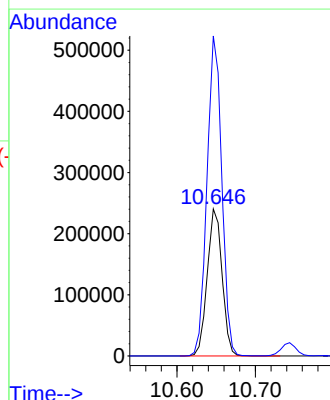
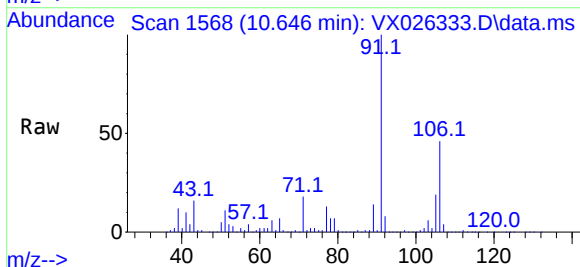
Instrument :
MSVOA_X
ClientSampleId :
40564

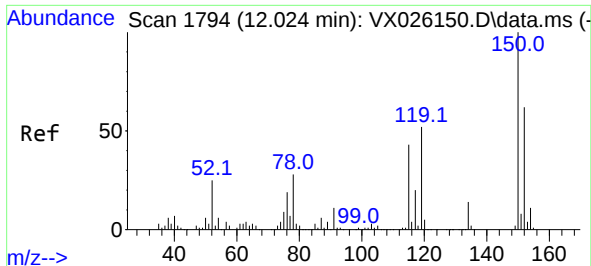
Tgt Ion:106 Resp: 572635
Ion Ratio Lower Upper
106 100
91 205.6 158.6 238.0



#69
o-Xylene
Concen: 95.164 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

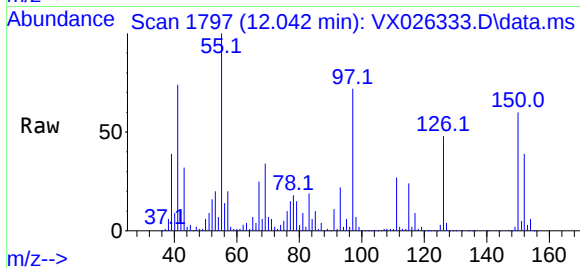
Tgt Ion:106 Resp: 315343
Ion Ratio Lower Upper
106 100
91 217.2 105.5 316.4



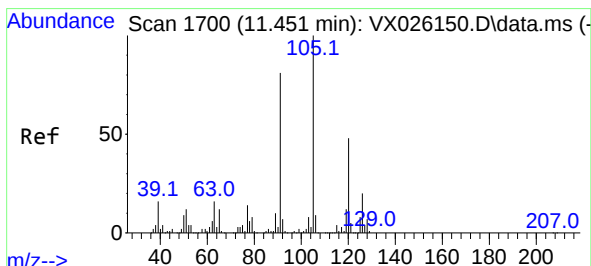
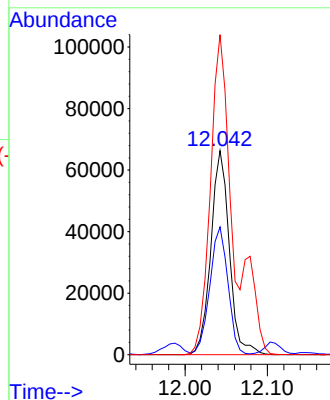
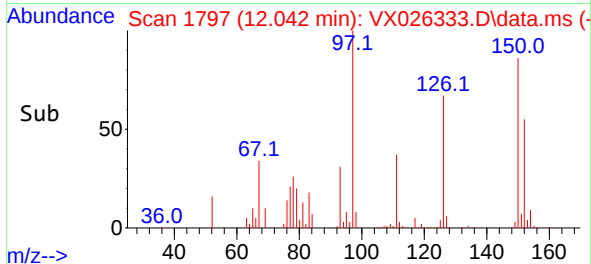


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.042 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

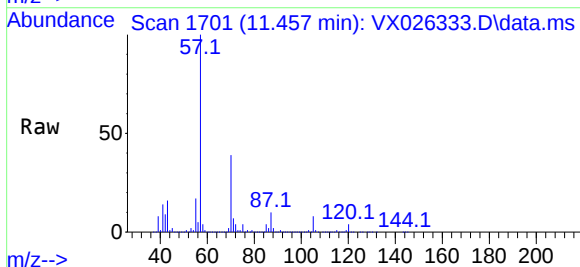
Instrument :
MSVOA_X
ClientSampleId :
40564



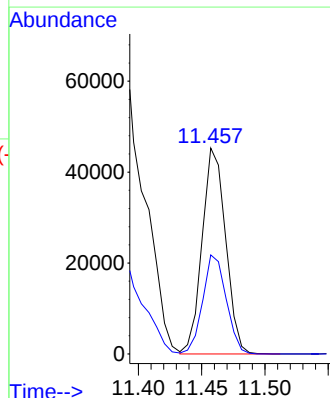
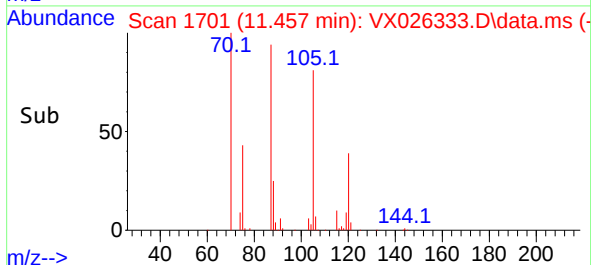
Tgt Ion:152 Resp: 103674
Ion Ratio Lower Upper
152 100
115 60.3 41.3 123.9
150 162.8 0.0 351.8

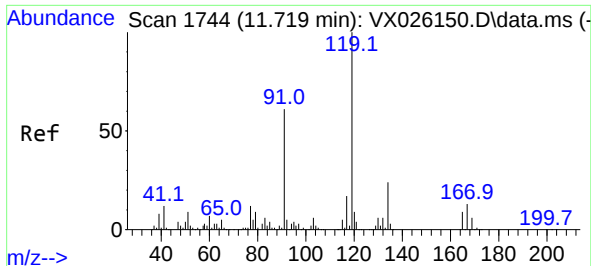


#80
1,3,5-Trimethylbenzene
Concen: 8.776 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29



Tgt Ion:105 Resp: 58693
Ion Ratio Lower Upper
105 100
120 48.1 24.9 74.7

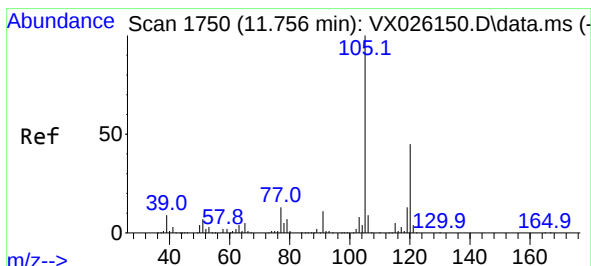
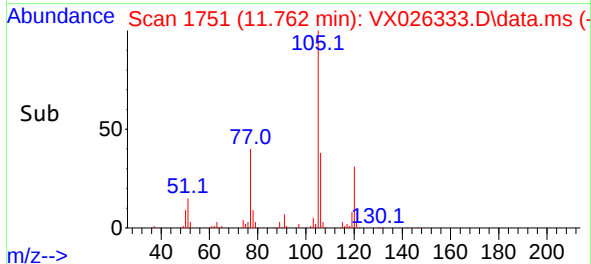
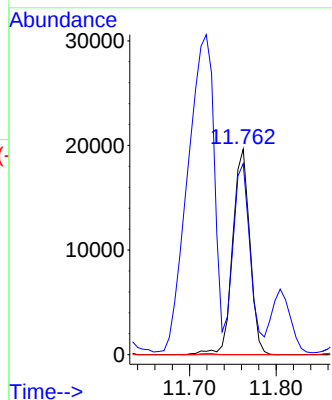
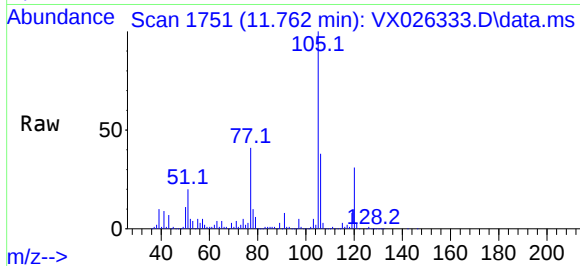




#83
tert-Butylbenzene
Concen: 4.175 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.043 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

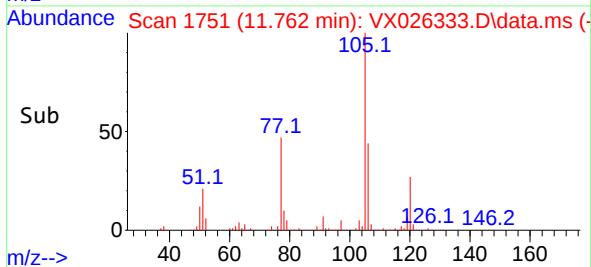
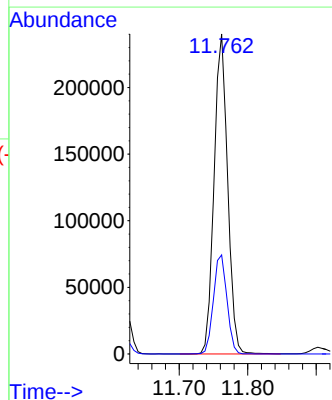
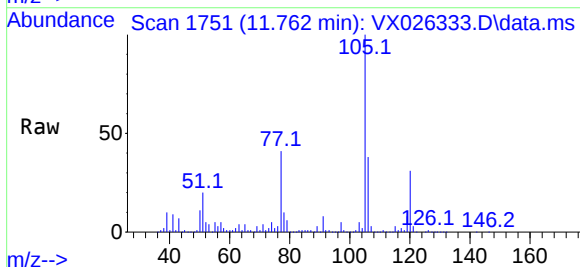
Instrument :
MSVOA_X
ClientSampleId :
40564

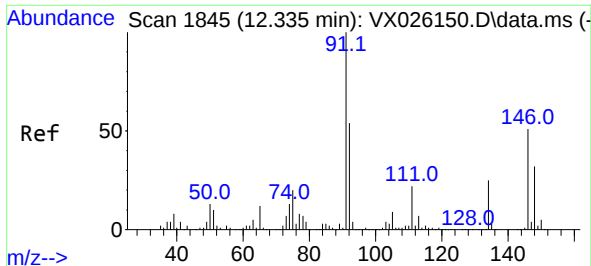
Tgt Ion:119 Resp: 27102
Ion Ratio Lower Upper
119 100
91 92.1 28.7 86.1#
134 0.0 11.9 35.9#



#84
1,2,4-Trimethylbenzene
Concen: 49.253 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion:105 Resp: 329122
Ion Ratio Lower Upper
105 100
120 30.8 22.9 68.7

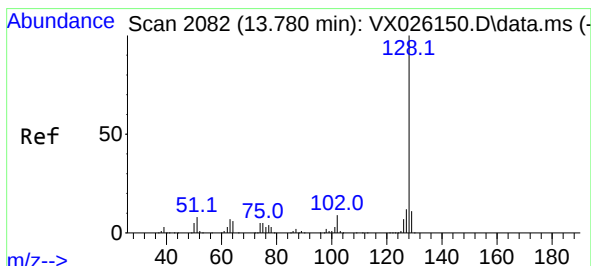
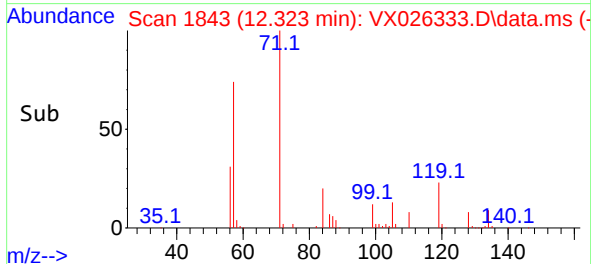
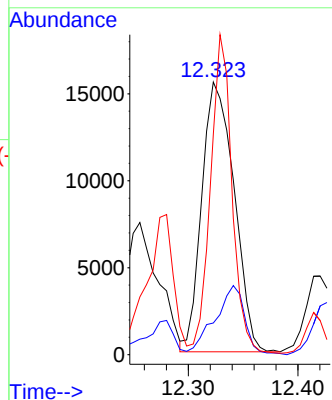
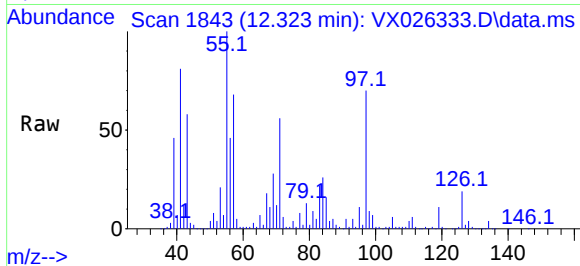




#89
n-Butylbenzene
Concen: 5.295 ug/l
RT: 12.323 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Instrument :
MSVOA_X
ClientSampleId :
40564

Tgt Ion: 91 Resp: 31779
Ion Ratio Lower Upper
91 100
92 23.7 27.3 81.8#
134 78.5 13.5 40.4#



#95
Naphthalene
Concen: 51.120 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026333.D
Acq: 05 Jan 2022 19:29

Tgt Ion: 128 Resp: 409607
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.1 8.8 13.2

