

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028486.D
 Acq On : 02 May 2022 20:18
 Operator : JC/MD
 Sample : N2642-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30988

Quant Time: May 03 04:54:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

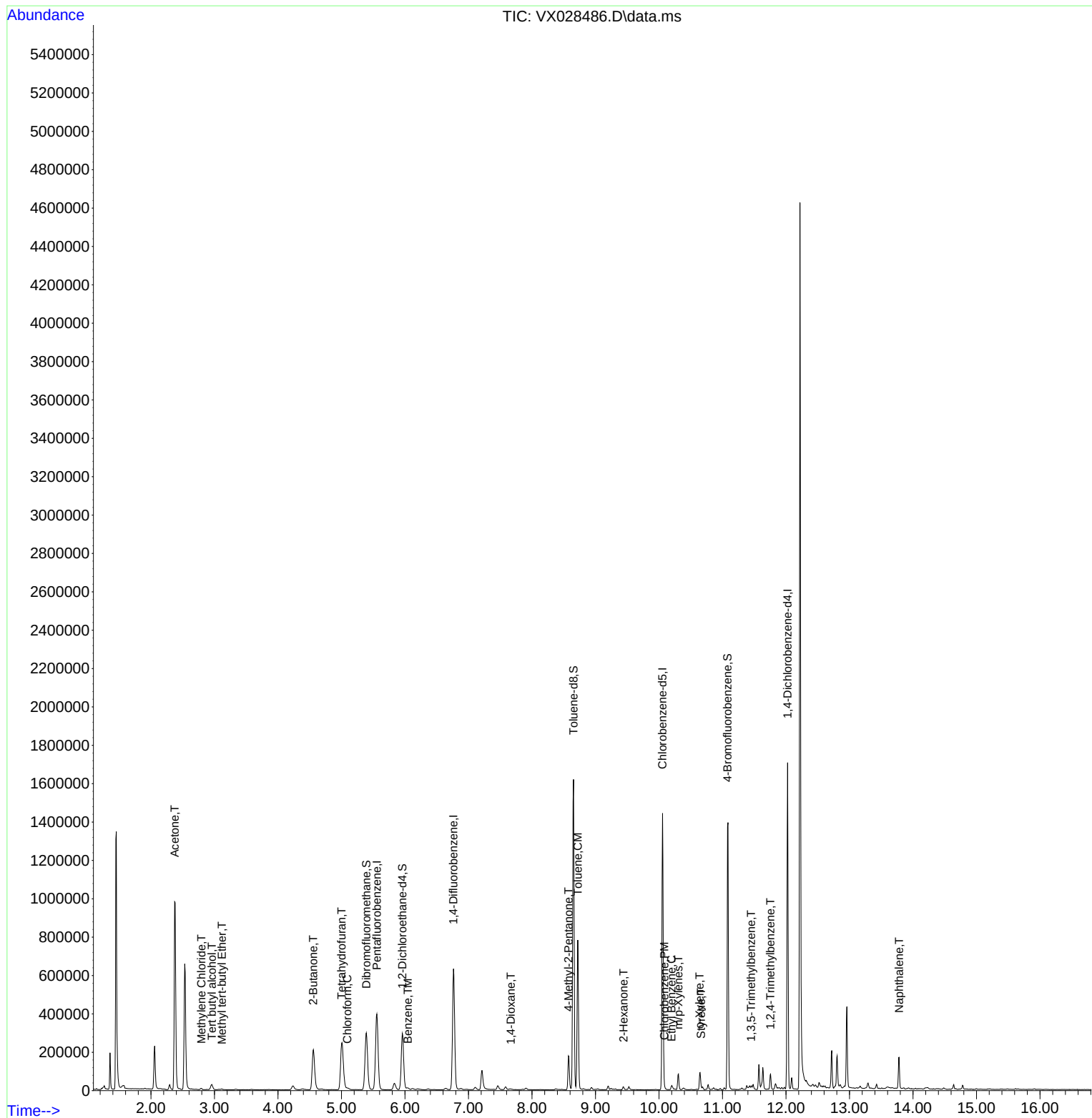
Internal Standards						
1) Pentafluorobenzene	5.556	168	383365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	667747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	668455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	338902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	279226	55.860	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.720%
35) Dibromofluoromethane	5.391	113	255705	54.604	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.200%
50) Toluene-d8	8.653	98	973180	54.108	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.220%
62) 4-Bromofluorobenzene	11.079	95	364320	52.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	27694	19.782	ug/l	97
16) Acetone	2.374	43	1014854	667.048	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	4041	0.329	ug/l	96
20) Methylene Chloride	2.794	84	3075	0.829	ug/l #	89
25) 2-Butanone	4.556	43	350568	118.420	ug/l	99
29) Tetrahydrofuran	5.001	42	216809	112.320	ug/l	99
30) Chloroform	5.093	83	7538	0.944	ug/l #	79
40) Benzene	6.044	78	11183	0.625	ug/l	98
49) 1,4-Dioxane	7.665	88	2027	16.361	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	98940	15.285	ug/l	96
52) Toluene	8.720	92	291428	23.460	ug/l	99
59) 2-Hexanone	9.439	43	8881	1.771	ug/l	97
65) Chlorobenzene	10.086	112	5167	0.363	ug/l	90
67) Ethyl Benzene	10.195	91	11082	0.464	ug/l	99
68) m/p-Xylenes	10.305	106	19628	2.018	ug/l	98
69) o-Xylene	10.640	106	19990	2.061	ug/l	99
70) Styrene	10.659	104	6840	0.435	ug/l #	59
80) 1,3,5-Trimethylbenzene	11.451	105	8056	0.407	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	34361	1.748	ug/l	92
95) Naphthalene	13.780	128	109998	4.903	ug/l	100

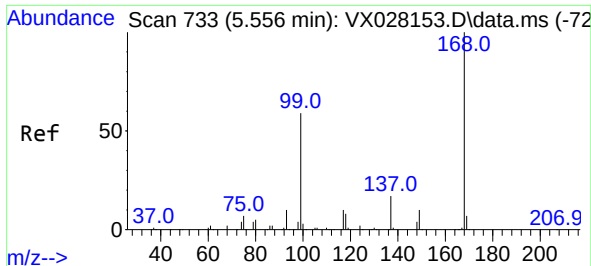
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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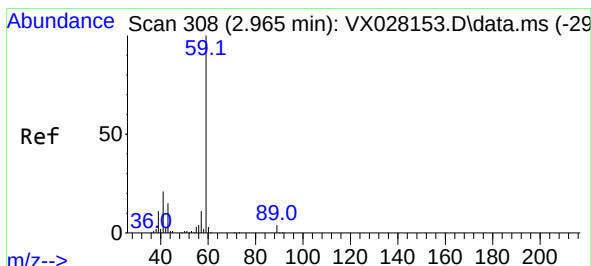
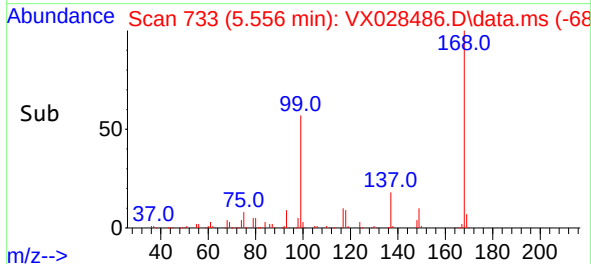
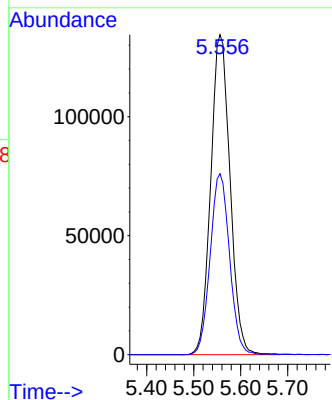
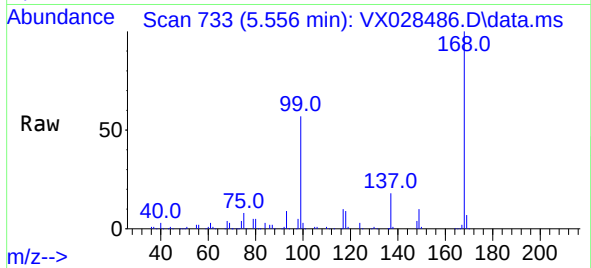




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

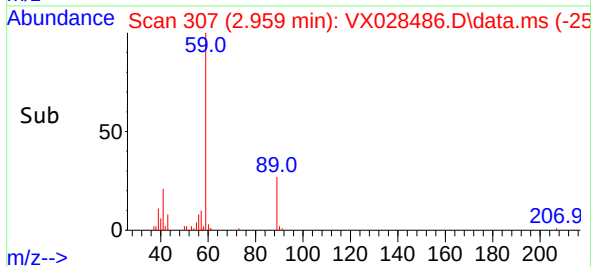
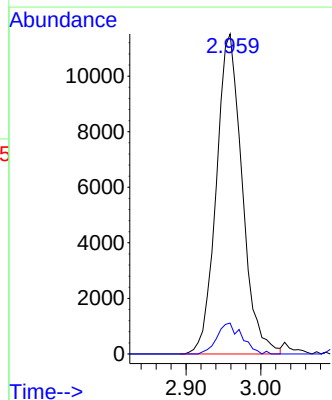
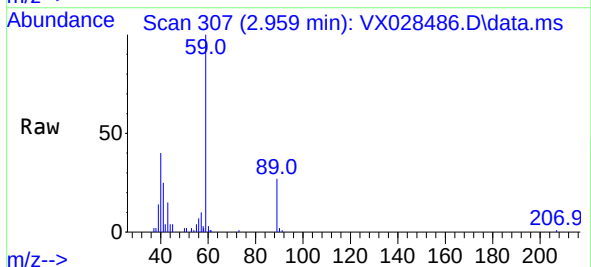
Instrument :
MSVOA_X
ClientSampleId :
30988

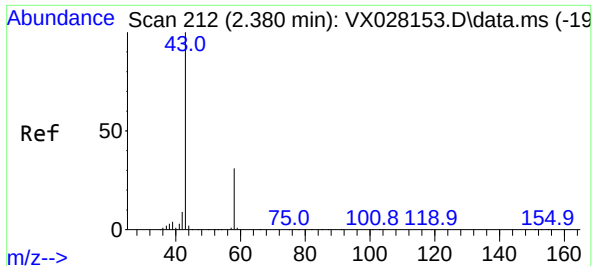
Tgt Ion:168 Resp: 383365
Ion Ratio Lower Upper
168 100
99 56.5 41.7 62.5



#11
Tert butyl alcohol
Concen: 19.782 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion: 59 Resp: 27694
Ion Ratio Lower Upper
59 100
57 9.3 8.3 12.5

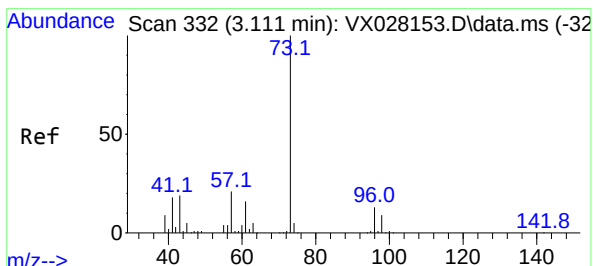
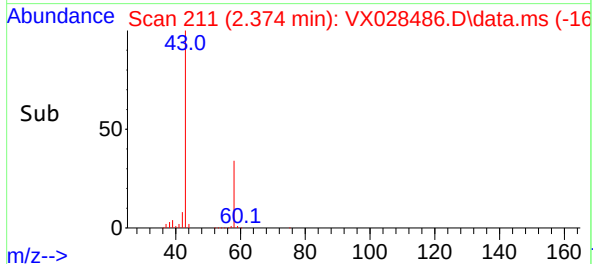
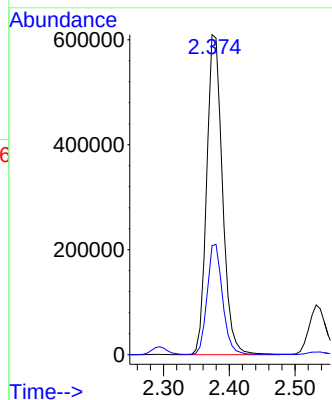
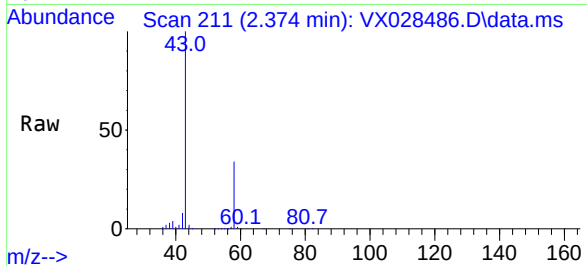




#16
Acetone
Concen: 667.048 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

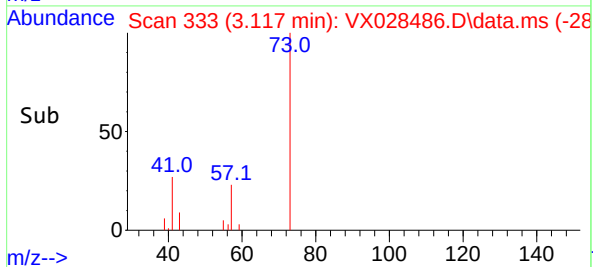
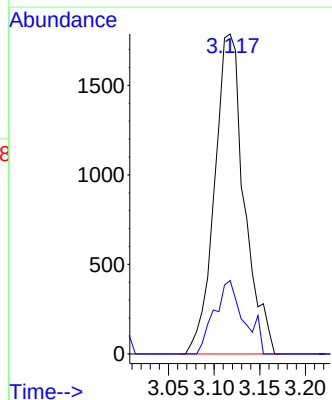
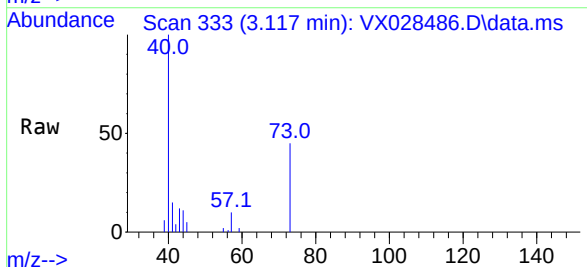
Instrument :
MSVOA_X
ClientSampleId :
30988

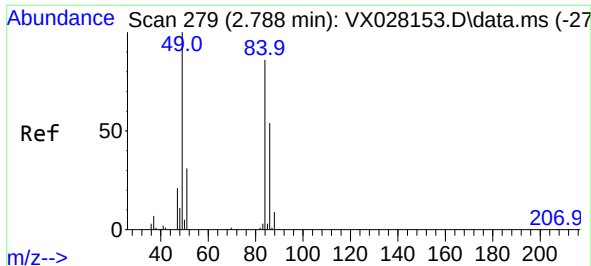
Tgt Ion: 43 Resp: 1014854
Ion Ratio Lower Upper
43 100
58 34.1 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 0.329 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion: 73 Resp: 4041
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2

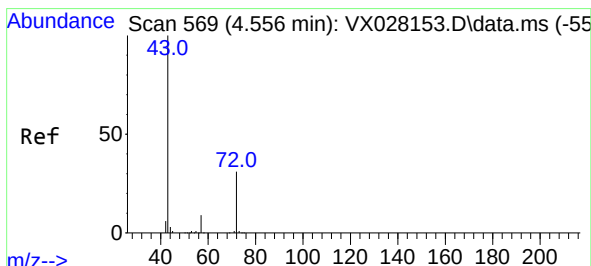
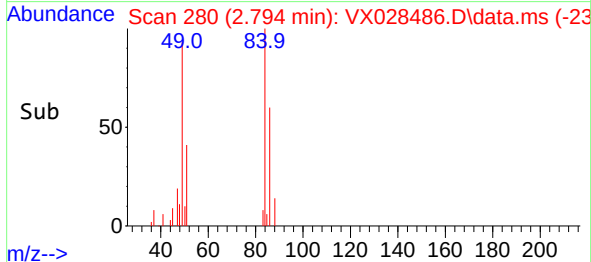
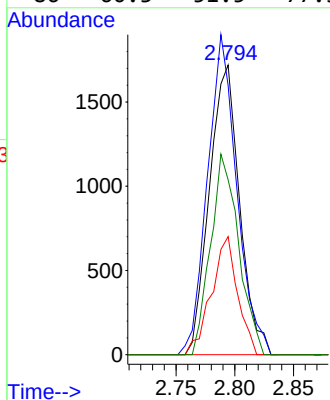
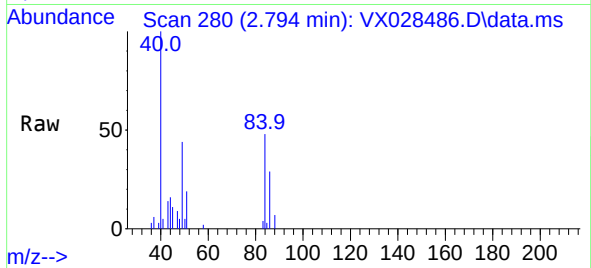




#20
Methylene Chloride
Concen: 0.829 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

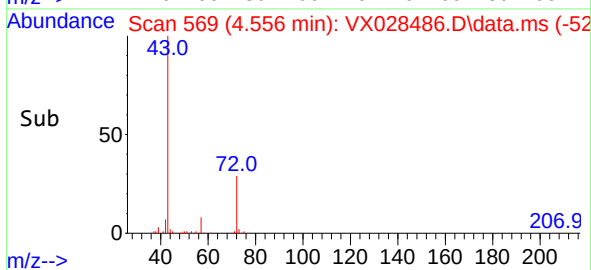
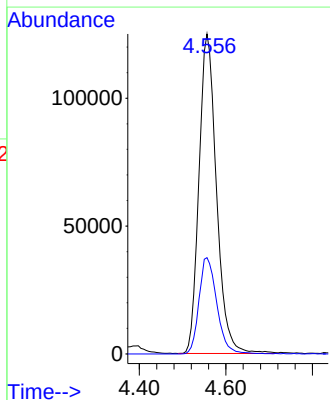
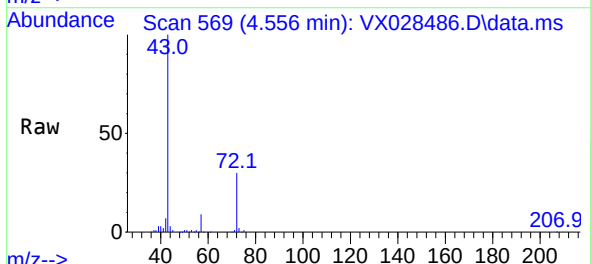
Instrument :
MSVOA_X
ClientSampleId :
30988

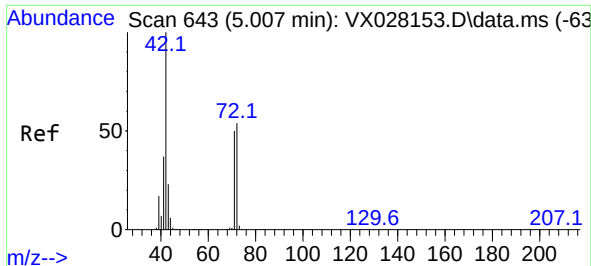
Tgt Ion: 84 Resp: 3075
Ion Ratio Lower Upper
84 100
49 93.0 85.5 128.3
51 40.8 26.6 39.8#
86 60.3 51.5 77.3



#25
2-Butanone
Concen: 118.420 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion: 43 Resp: 350568
Ion Ratio Lower Upper
43 100
72 30.1 24.4 36.6





#29

Tetrahydrofuran

Concen: 112.320 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX028486.D

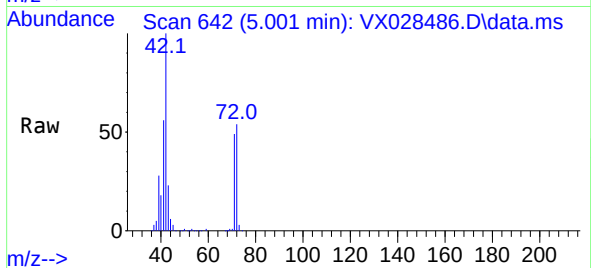
Acq: 02 May 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

30988



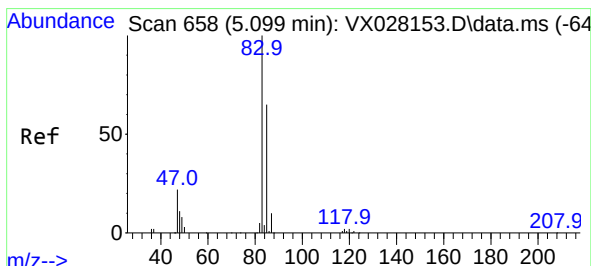
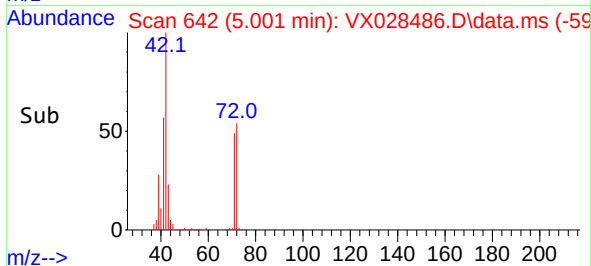
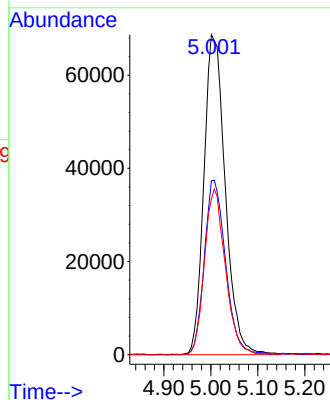
Tgt Ion: 42 Resp: 216809

Ion Ratio Lower Upper

42 100

72 54.3 44.1 66.1

71 50.6 40.5 60.7



#30

Chloroform

Concen: 0.944 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX028486.D

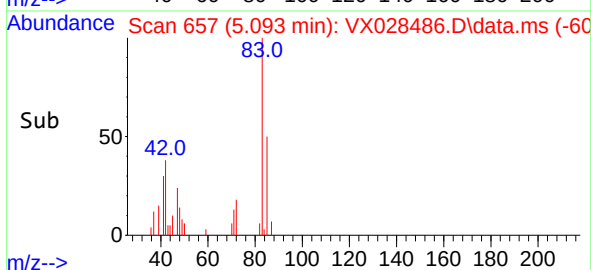
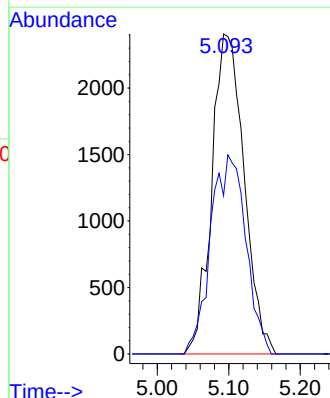
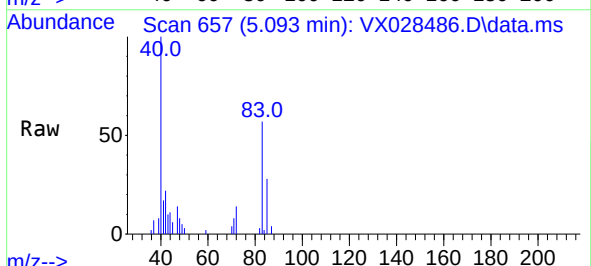
Acq: 02 May 2022 20:18

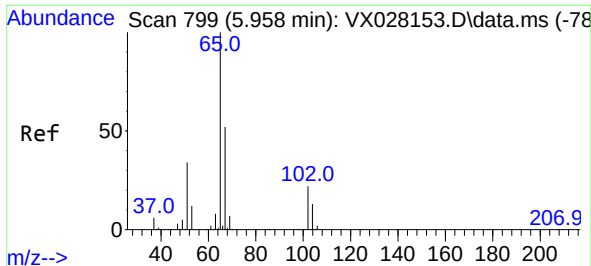
Tgt Ion: 83 Resp: 7538

Ion Ratio Lower Upper

83 100

85 49.5 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 55.860 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

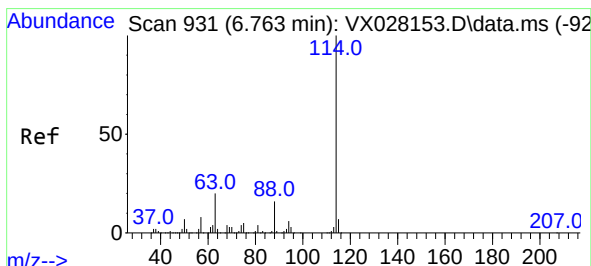
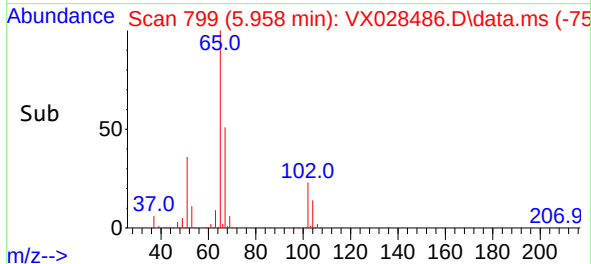
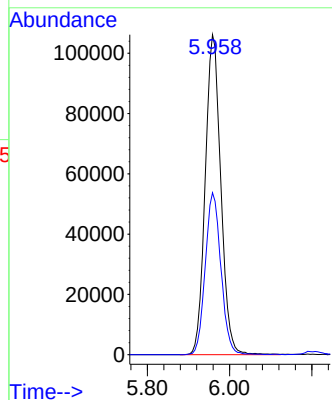
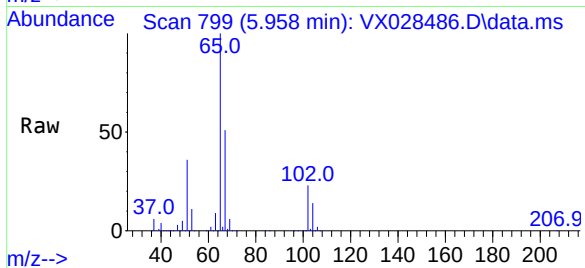
30988

Tgt Ion: 65 Resp: 279226

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

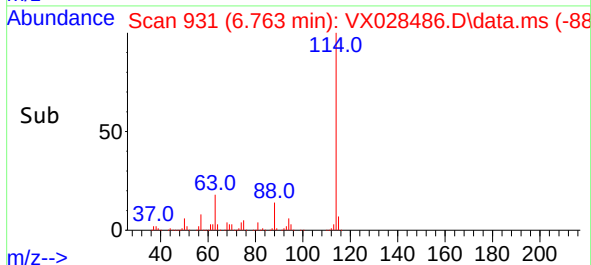
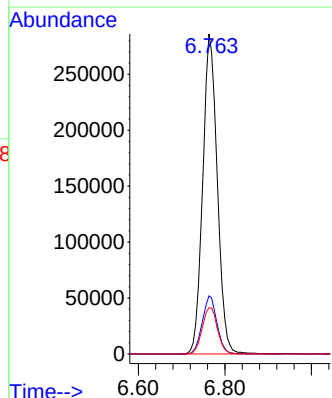
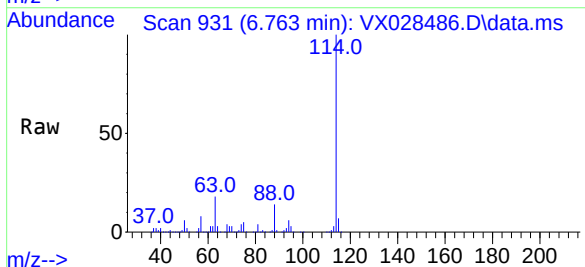
Tgt Ion: 114 Resp: 667747

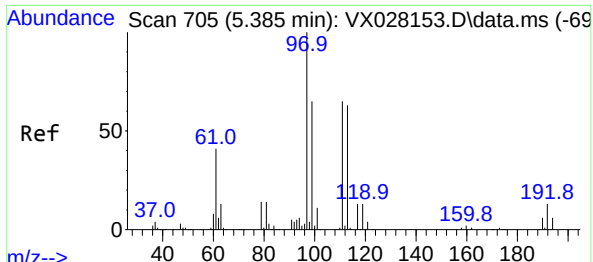
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 14.5 0.0 32.4

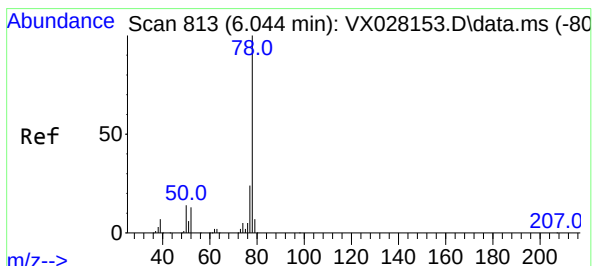
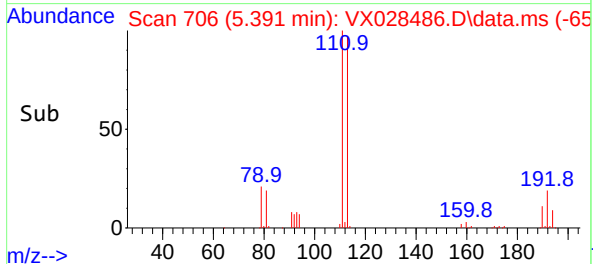
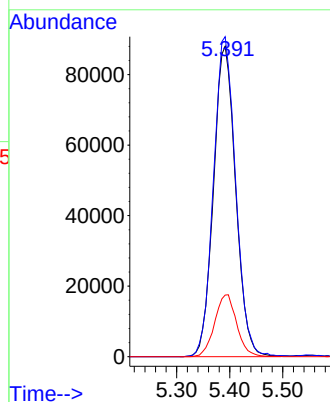
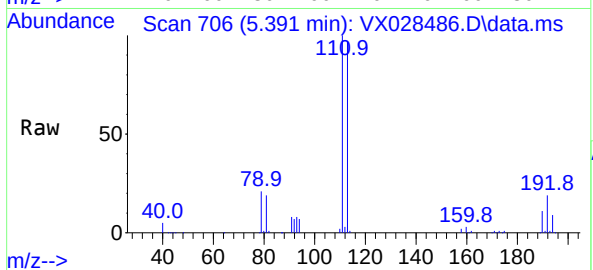




#35
Dibromofluoromethane
Concen: 54.604 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

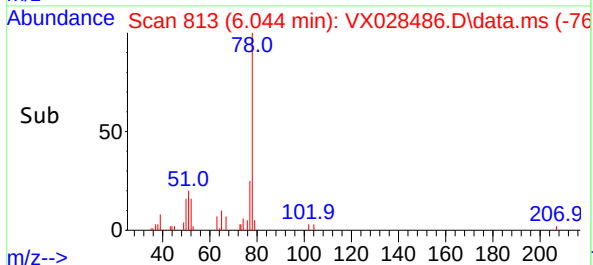
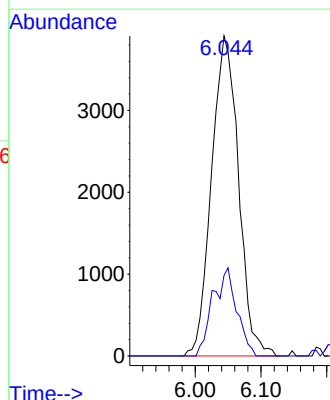
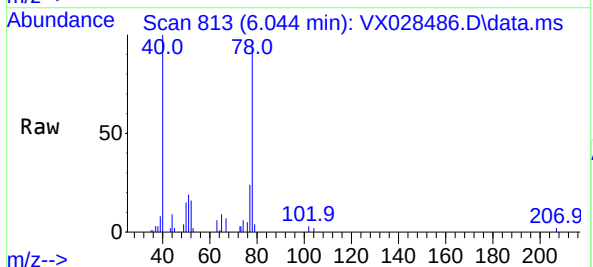
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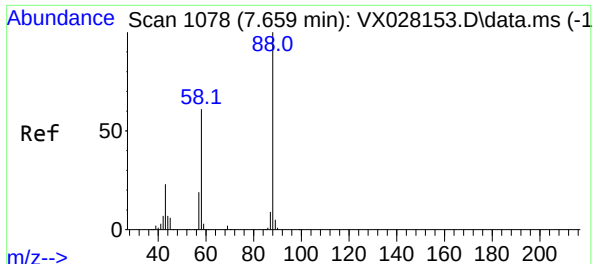
Tgt Ion:113 Resp: 255705
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 19.8 16.9 25.3



#40
Benzene
Concen: 0.625 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion: 78 Resp: 11183
Ion Ratio Lower Upper
78 100
77 25.2 19.3 28.9





#49

1,4-Dioxane

Concen: 16.361 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

30988

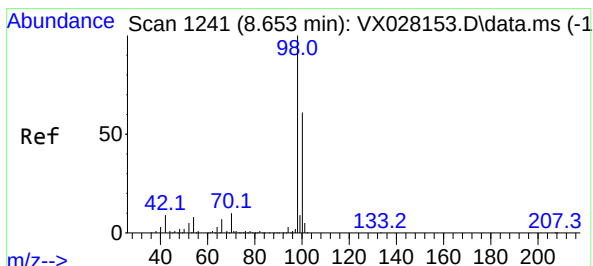
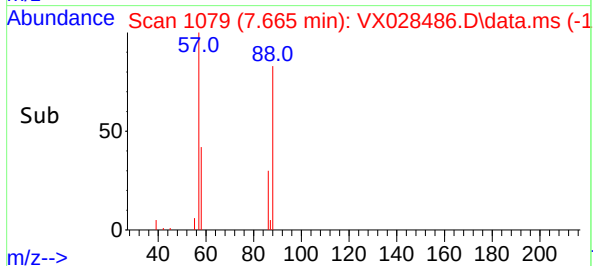
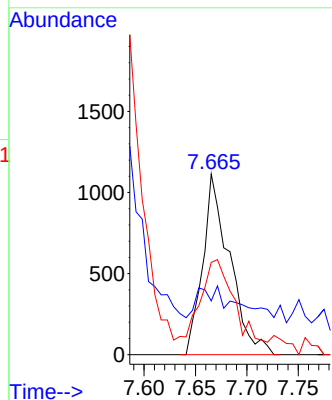
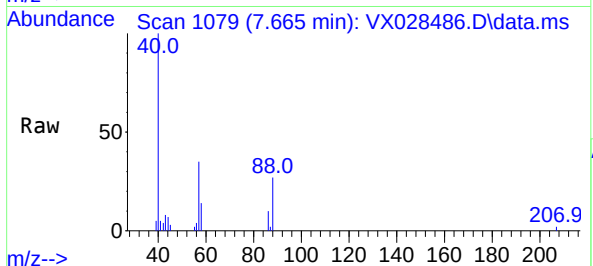
Tgt Ion: 88 Resp: 2027

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 55.1 53.7 80.5



#50

Toluene-d8

Concen: 54.108 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028486.D

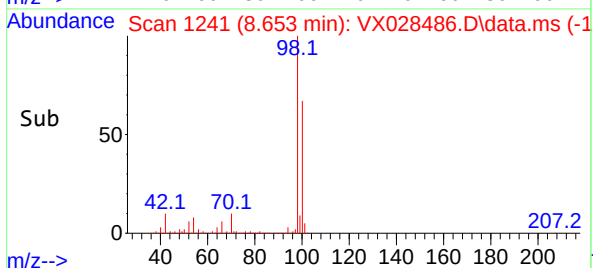
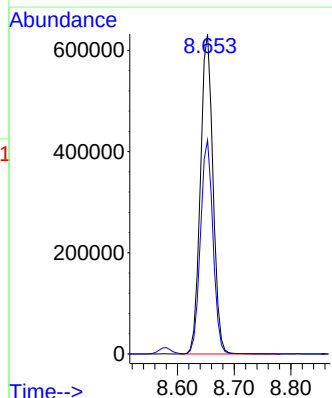
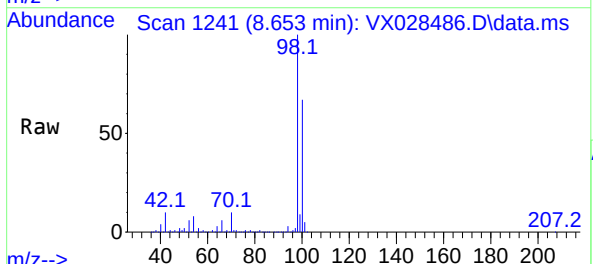
Acq: 02 May 2022 20:18

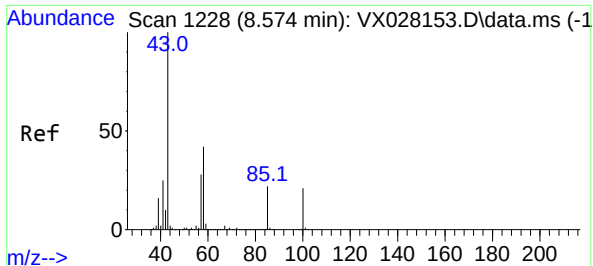
Tgt Ion: 98 Resp: 973180

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.285 ug/l

RT: 8.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

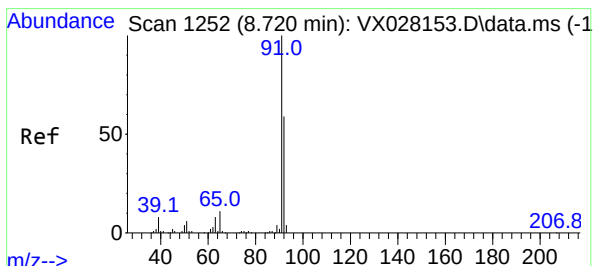
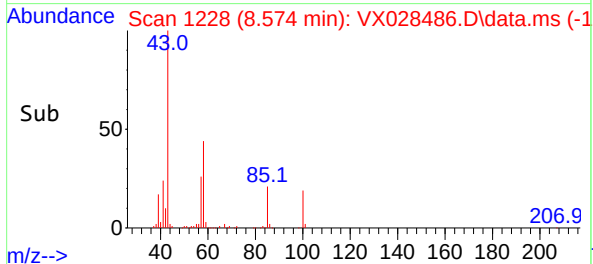
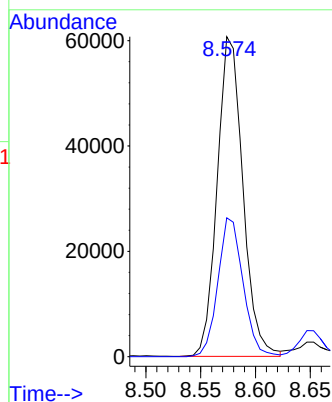
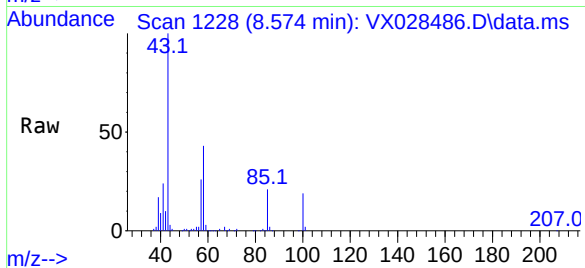
30988

Tgt Ion: 43 Resp: 98940

Ion Ratio Lower Upper

43 100

58 42.6 36.1 54.1



#52

Toluene

Concen: 23.460 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX028486.D

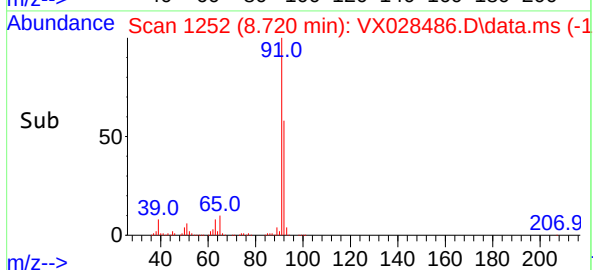
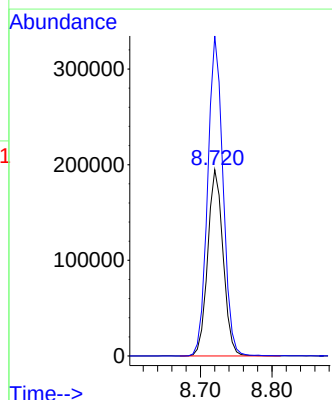
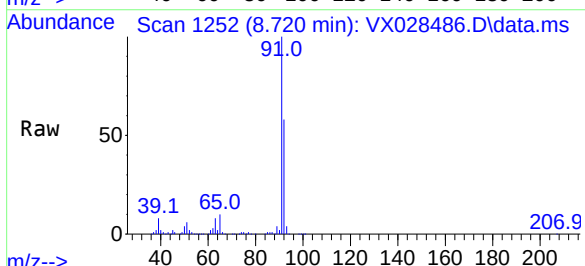
Acq: 02 May 2022 20:18

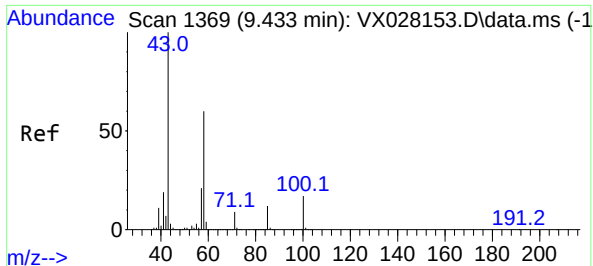
Tgt Ion: 92 Resp: 291428

Ion Ratio Lower Upper

92 100

91 171.0 137.5 206.3





#59

2-Hexanone

Concen: 1.771 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

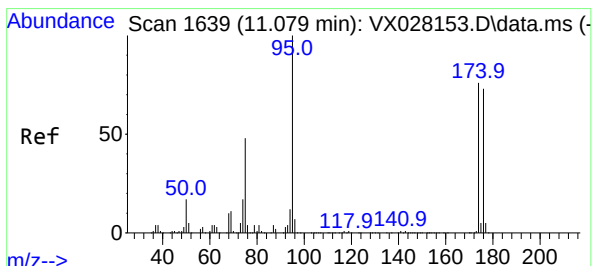
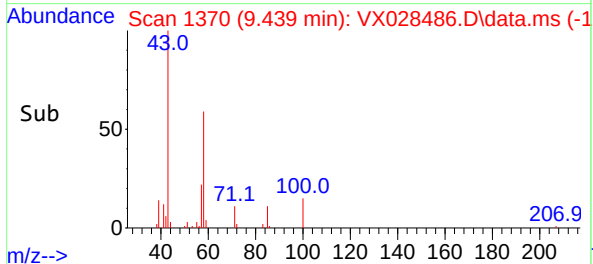
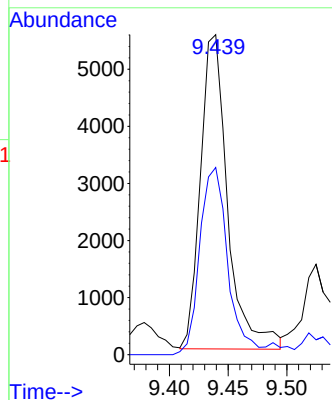
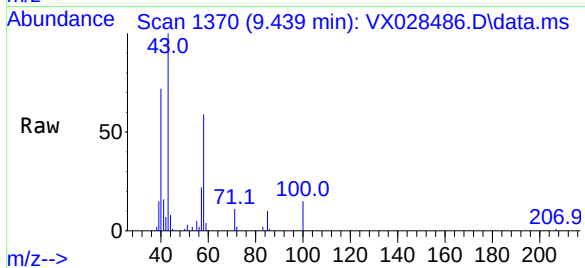
30988

Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

43 100

58 61.3 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 52.976 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028486.D

Acq: 02 May 2022 20:18

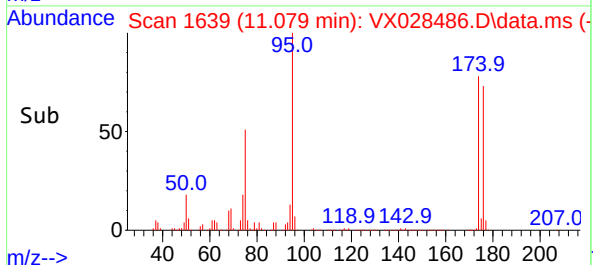
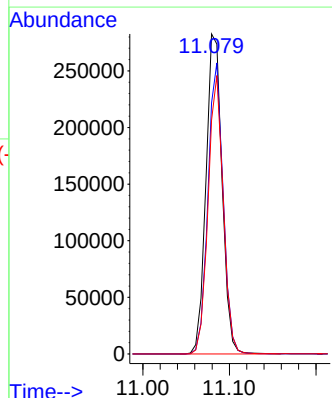
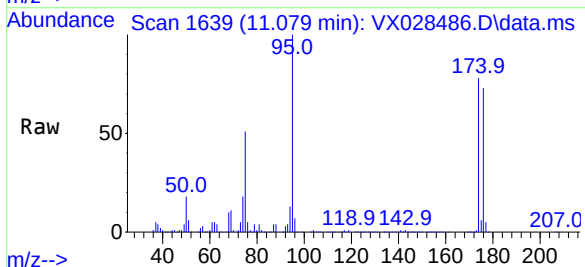
Tgt Ion: 95 Resp: 364320

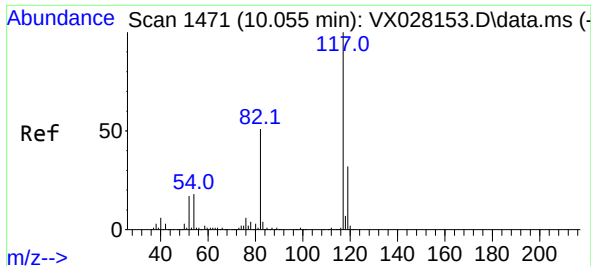
Ion Ratio Lower Upper

95 100

174 86.2 0.0 163.0

176 82.2 0.0 155.0

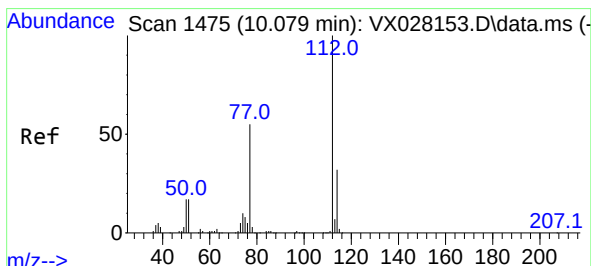
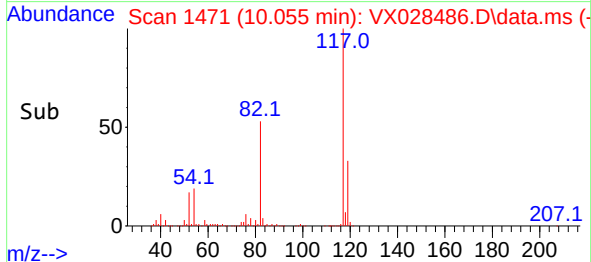
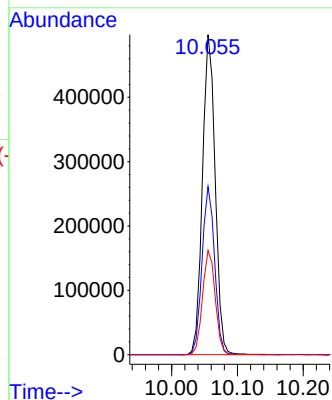
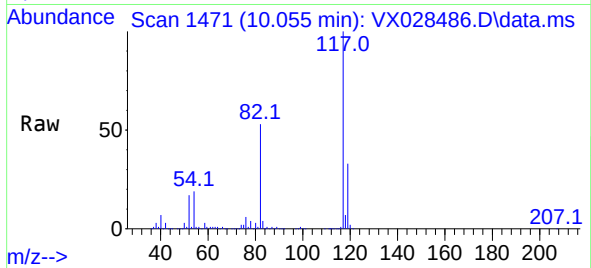




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

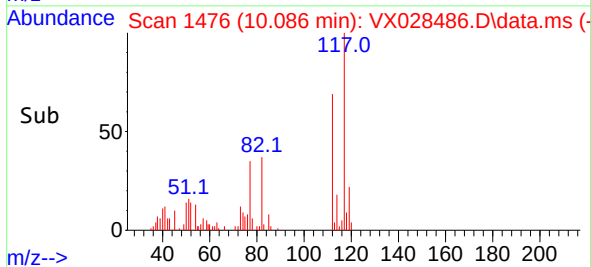
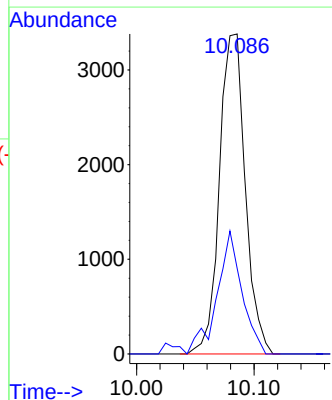
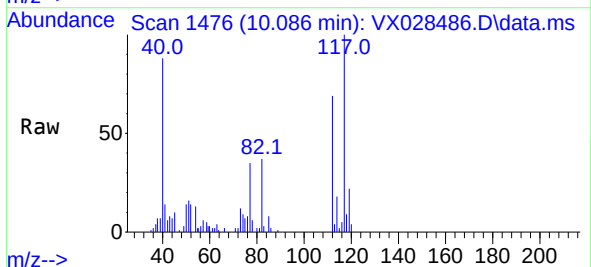
Instrument :
MSVOA_X
ClientSampleId :
30988

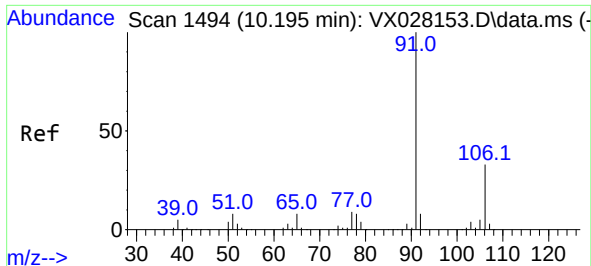
Tgt Ion:117 Resp: 668455
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.6 24.8 37.2



#65
Chlorobenzene
Concen: 0.363 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. 0.007 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion:112 Resp: 5167
Ion Ratio Lower Upper
112 100
114 26.7 25.8 38.8

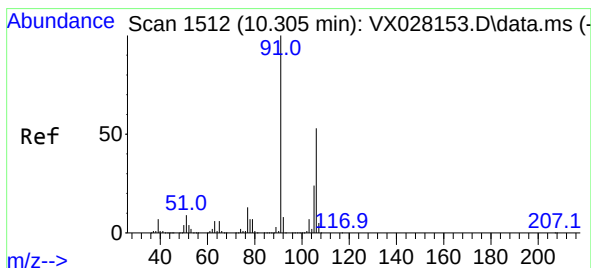
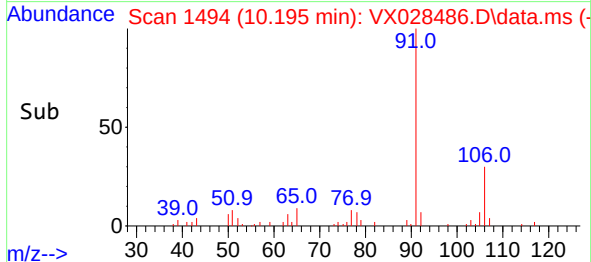
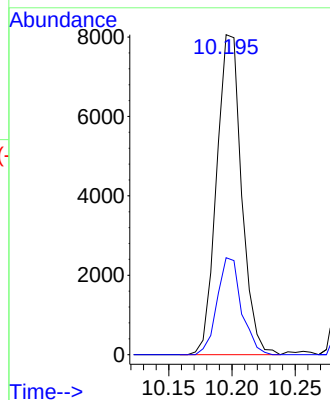
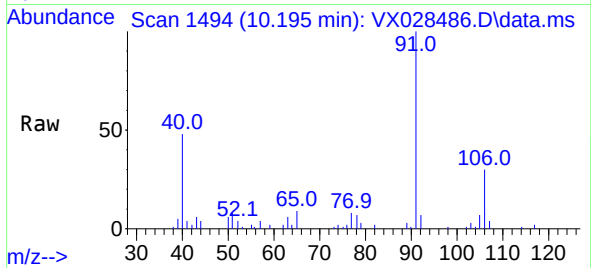




#67
Ethyl Benzene
Concen: 0.464 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

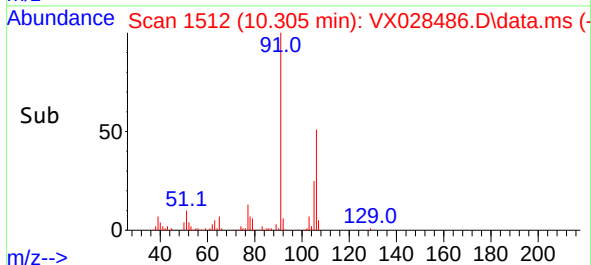
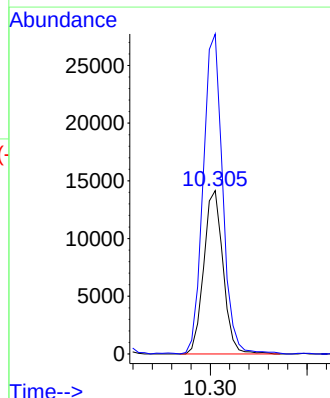
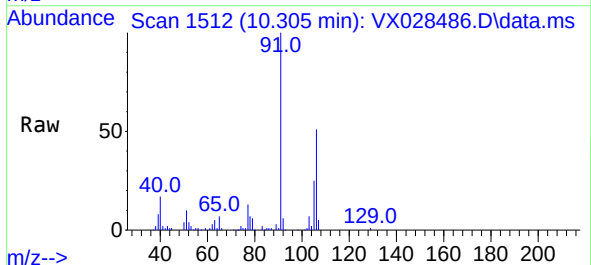
Instrument : MSVOA_X
ClientSampleId : 30988

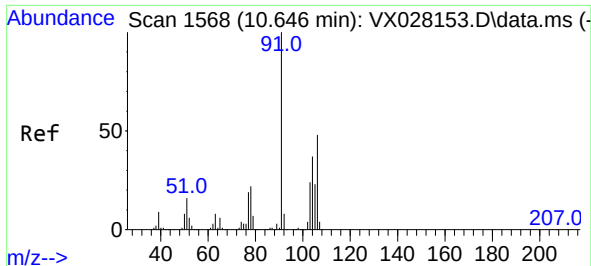
Tgt Ion: 91 Resp: 11082
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 2.018 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion: 106 Resp: 19628
Ion Ratio Lower Upper
106 100
91 197.7 160.4 240.6

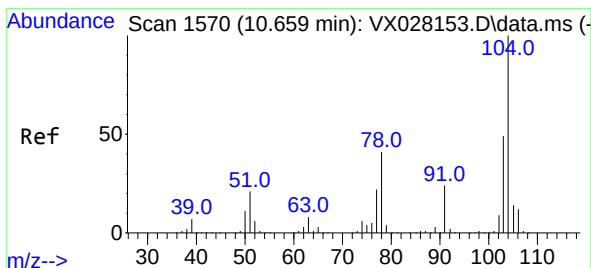
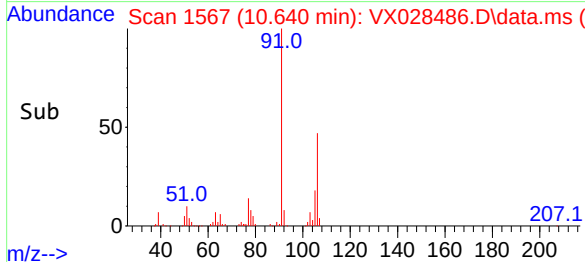
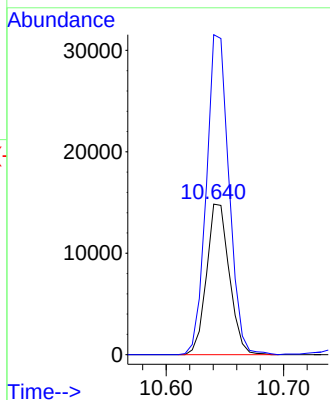
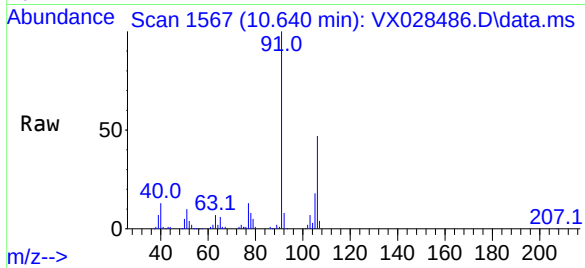




#69
o-Xylene
Concen: 2.061 ug/l
RT: 10.640 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

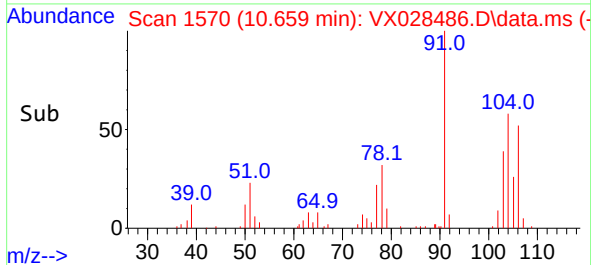
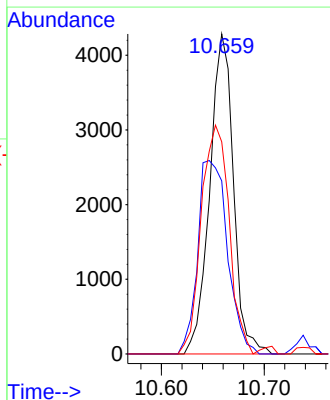
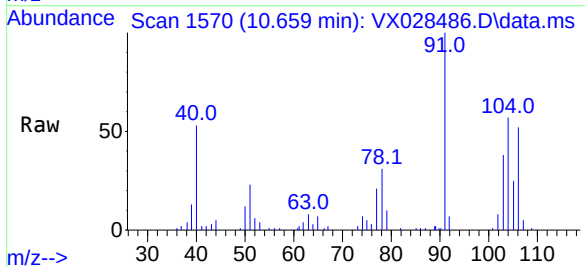
Instrument :
MSVOA_X
ClientSampleId :
30988

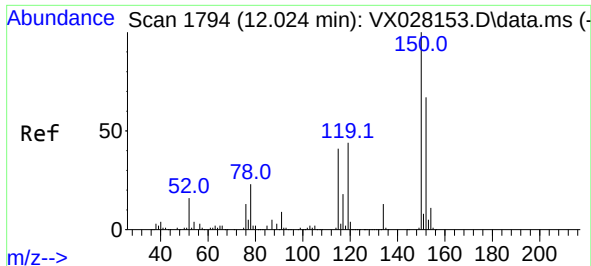
Tgt Ion:106 Resp: 19990
Ion Ratio Lower Upper
106 100
91 210.9 106.1 318.1



#70
Styrene
Concen: 0.435 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion:104 Resp: 6840
Ion Ratio Lower Upper
104 100
78 76.2 38.6 57.8#
103 84.3 43.8 65.8#

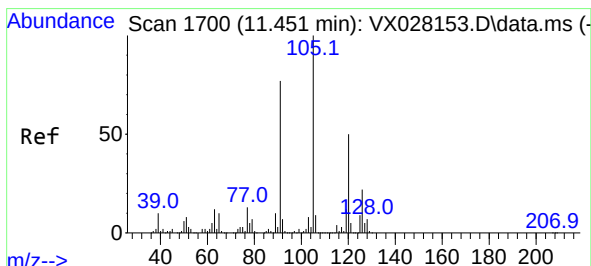
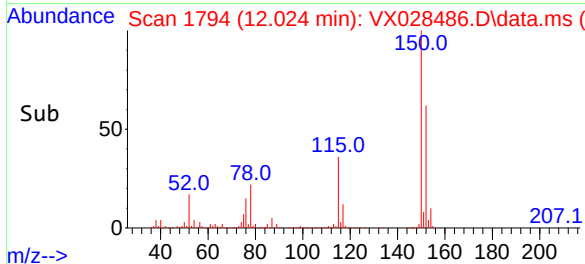
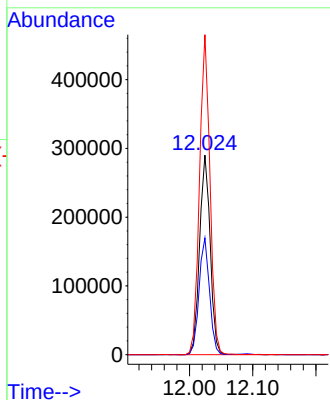
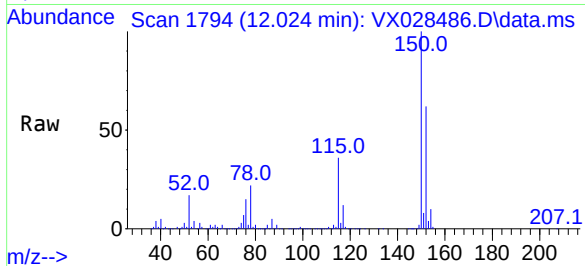




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028486.D
 Acq: 02 May 2022 20:18

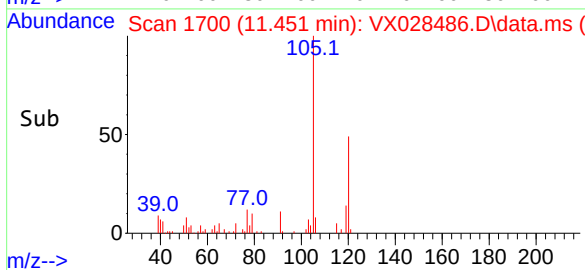
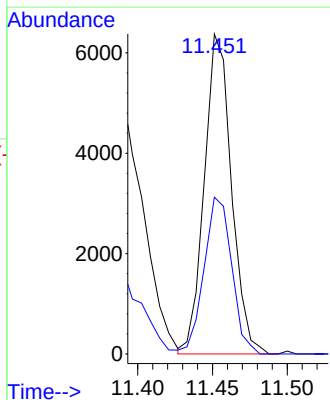
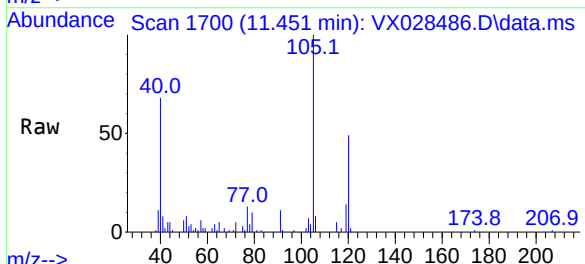
Instrument :
 MSVOA_X
 ClientSampleId :
 30988

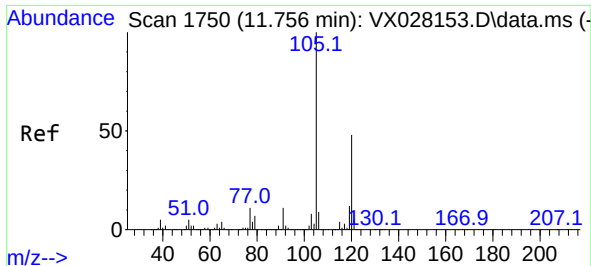
Tgt Ion:152 Resp: 338902
 Ion Ratio Lower Upper
 152 100
 115 57.8 37.5 112.7
 150 157.7 0.0 338.2



#80
 1,3,5-Trimethylbenzene
 Concen: 0.407 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX028486.D
 Acq: 02 May 2022 20:18

Tgt Ion:105 Resp: 8056
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 72.9

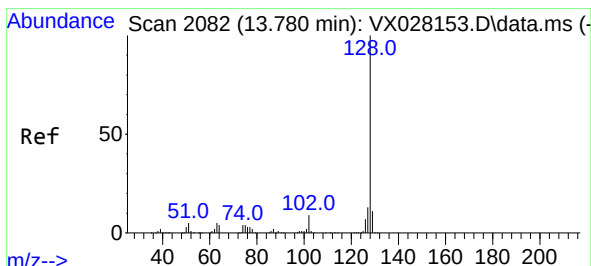
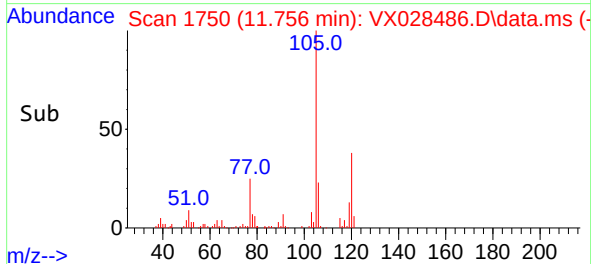
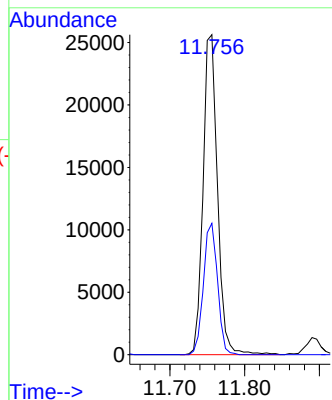
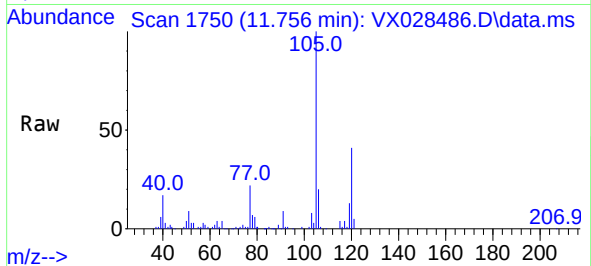




#84
1,2,4-Trimethylbenzene
Concen: 1.748 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
30988

Tgt Ion:105 Resp: 34361
Ion Ratio Lower Upper
105 100
120 40.0 22.6 67.8



#95
Naphthalene
Concen: 4.903 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX028486.D
Acq: 02 May 2022 20:18

Tgt Ion:128 Resp: 109998
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.7 13.1

