

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028104.D
 Acq On : 14 Apr 2022 14:04
 Operator : JC/MD
 Sample : N2403-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31R

Quant Time: Apr 15 03:13:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

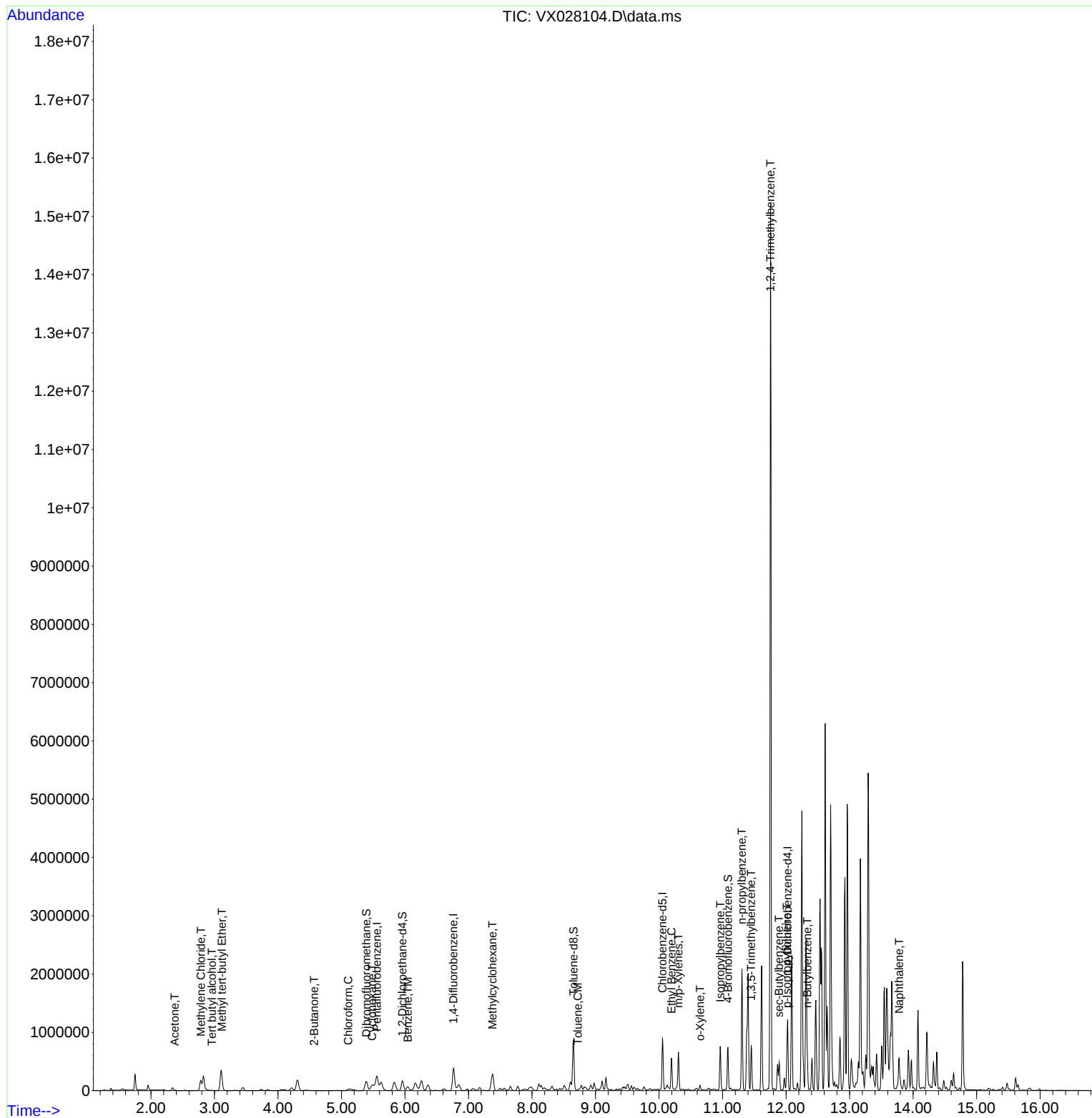
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	231098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	393341	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145345	46.358	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.720%
35) Dibromofluoromethane	5.391	113	126933	49.248	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.500%
50) Toluene-d8	8.653	98	500119	52.027	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.060%
62) 4-Bromofluorobenzene	11.085	95	179830	50.103	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	7754	10.655	ug/l #	72
16) Acetone	2.373	43	6579	5.036	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	104743	12.227	ug/l #	1
20) Methylene Chloride	2.788	84	21691	8.337	ug/l #	83
25) 2-Butanone	4.568	43	3992	1.768	ug/l #	67
30) Chloroform	5.105	83	6822	1.308	ug/l #	61
31) Cyclohexane	5.483	56	64487	14.959	ug/l #	87
39) Methylcyclohexane	7.379	83	117119	25.186	ug/l #	87
40) Benzene	6.043	78	81928	7.162	ug/l	98
52) Toluene	8.720	92	1941	0.254	ug/l	86
67) Ethyl Benzene	10.195	91	313003	21.029	ug/l	100
68) m/p-Xylenes	10.305	106	136822	22.014	ug/l	99
69) o-Xylene	10.646	106	17301	2.864	ug/l	97
73) Isopropylbenzene	10.963	105	377935	24.473	ug/l	99
78) n-propylbenzene	11.305	91	1213602	67.618	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	321591	24.107	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	5611426	429.644	ug/l	91
85) sec-Butylbenzene	11.890	105	253587	15.394	ug/l	100
86) p-Isopropyltoluene	12.012	119	113182	8.108	ug/l	96
89) n-Butylbenzene	12.335	91	382183	31.988	ug/l #	32
95) Naphthalene	13.780	128	344645	24.025	ug/l #	94

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

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MSVOA_X
ClientSampleId :
MW-31R

Quant Time: Apr 15 03:13:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 12 22:07:23 2022
Response via : Initial Calibration

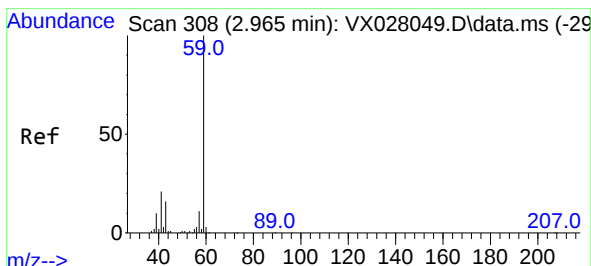
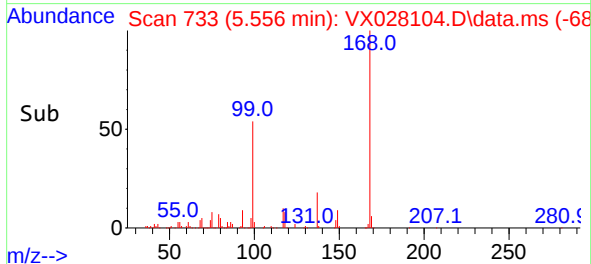
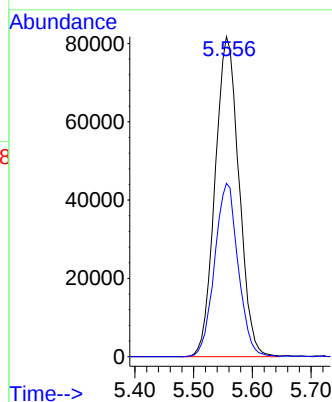
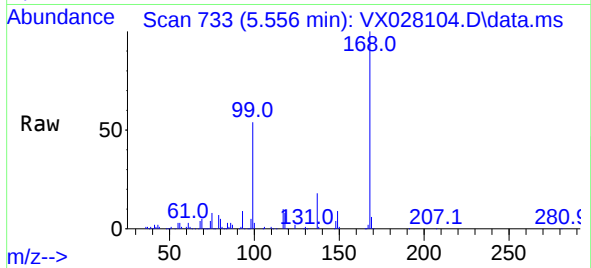




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

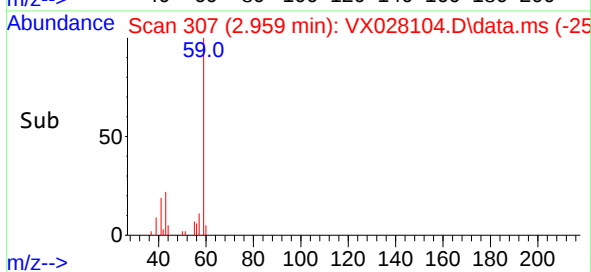
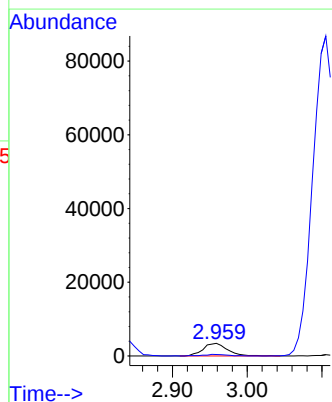
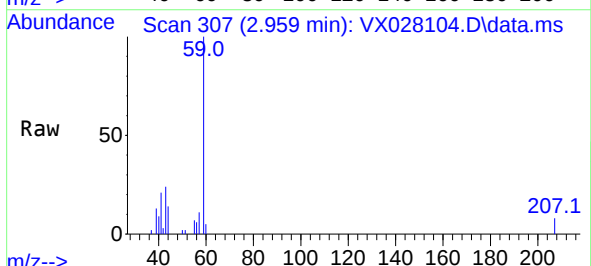
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

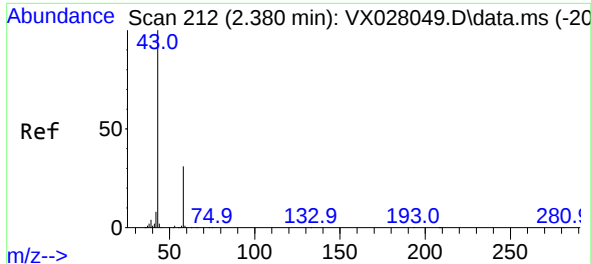
Tgt Ion:168 Resp: 231098
Ion Ratio Lower Upper
168 100
99 54.2 41.7 62.5



#11
Tert butyl alcohol
Concen: 10.655 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 59 Resp: 7754
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 5.036 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.007 min

Lab File: VX028104.D

Acq: 14 Apr 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

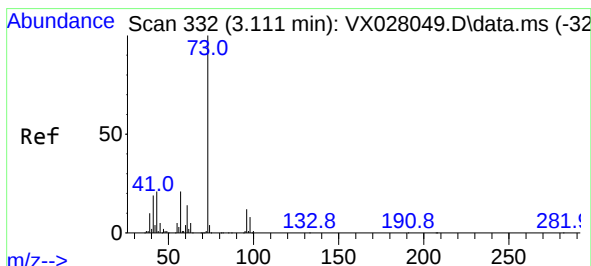
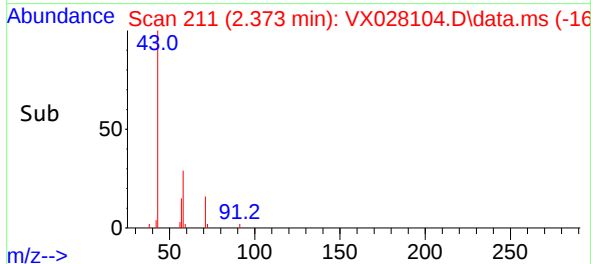
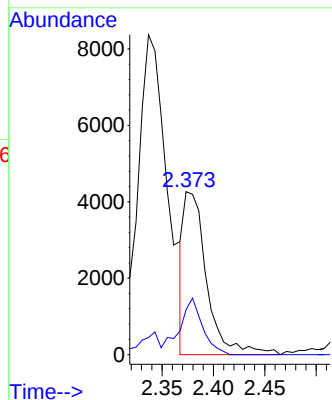
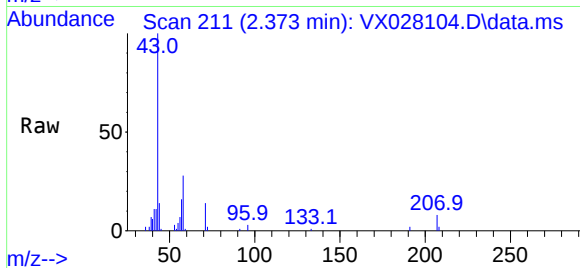
MW-31R

Tgt Ion: 43 Resp: 6579

Ion Ratio Lower Upper

43 100

58 27.7 28.8 43.2#



#19

Methyl tert-butyl Ether

Concen: 12.227 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX028104.D

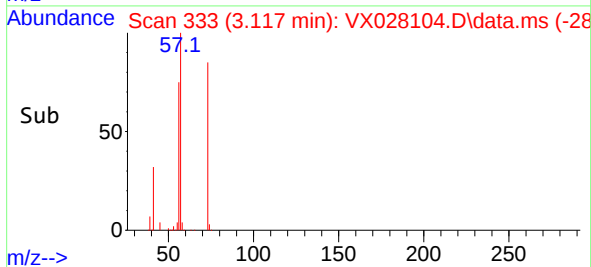
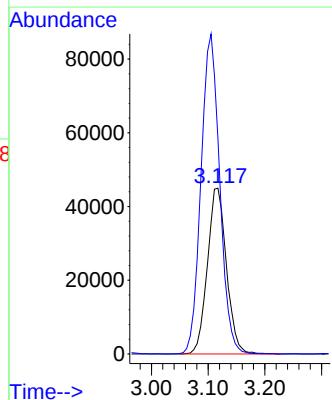
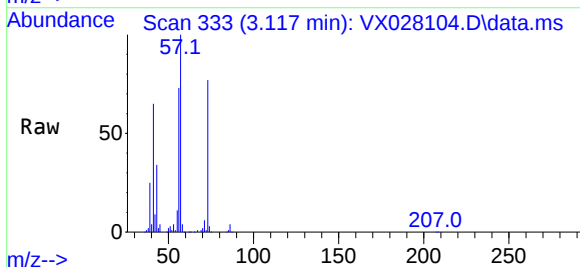
Acq: 14 Apr 2022 14:04

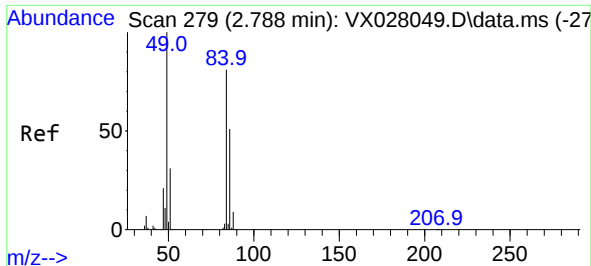
Tgt Ion: 73 Resp: 104743

Ion Ratio Lower Upper

73 100

57 129.7 16.8 25.2#

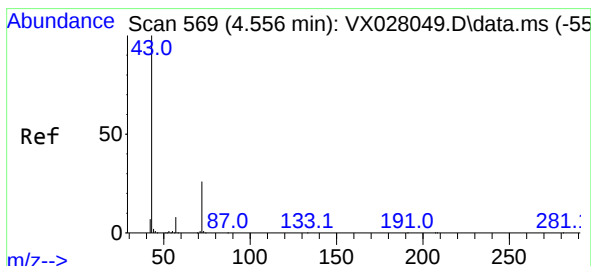
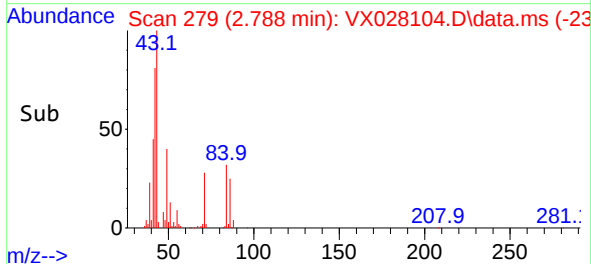
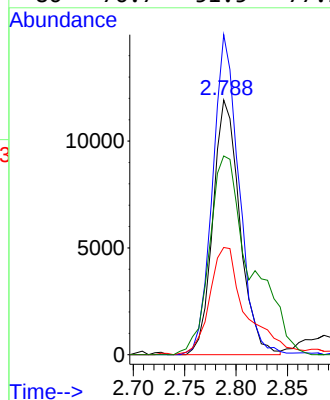
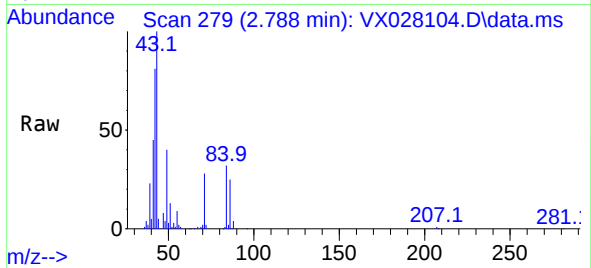




#20
Methylene Chloride
Concen: 8.337 ug/l
RT: 2.788 min Scan# 21691
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

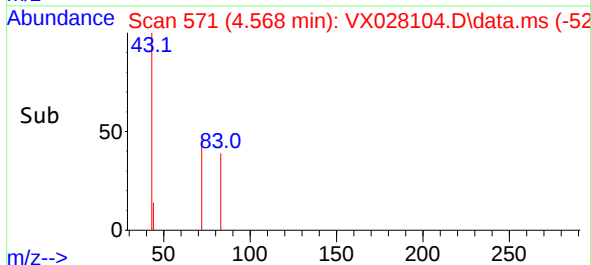
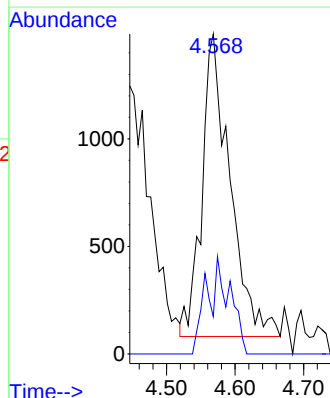
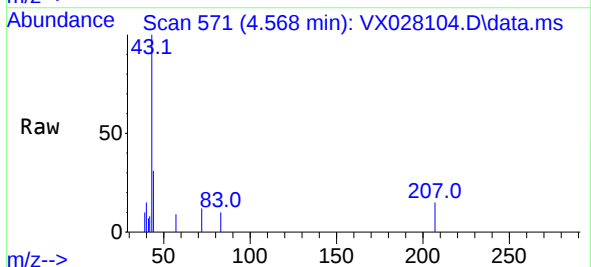
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

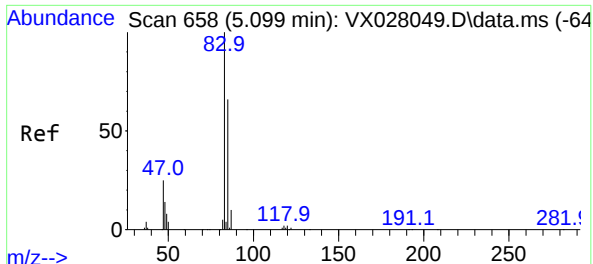
Tgt Ion:	84	Resp:	21691
Ion	Ratio	Lower	Upper
84	100		
49	125.6	85.5	128.3
51	41.6	26.6	39.8#
86	76.7	51.5	77.3



#25
2-Butanone
Concen: 1.768 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion:	43	Resp:	3992
Ion	Ratio	Lower	Upper
43	100		
72	12.4	24.4	36.6#





#30

Chloroform

Concen: 1.308 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX028104.D

Acq: 14 Apr 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

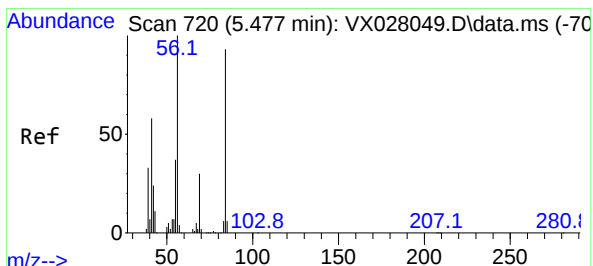
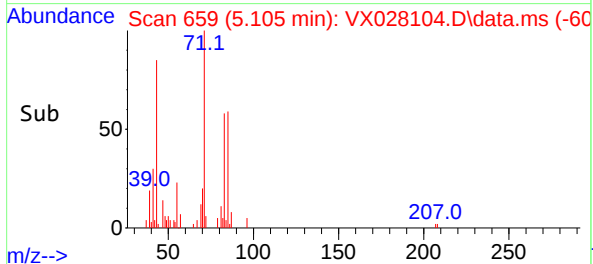
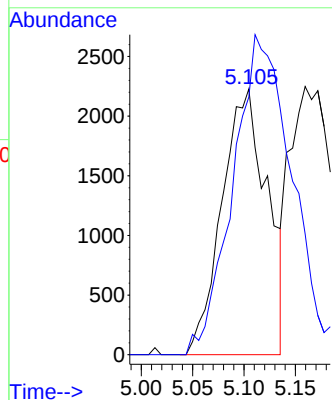
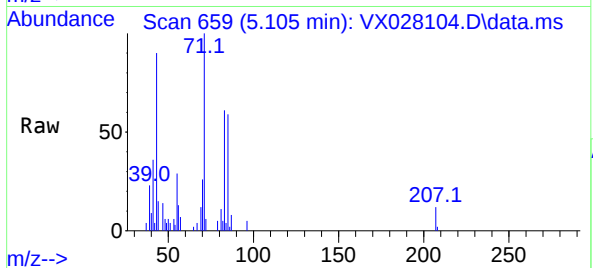
MW-31R

Tgt Ion: 83 Resp: 6822

Ion Ratio Lower Upper

83 100

85 96.9 52.7 79.1#



#31

Cyclohexane

Concen: 14.959 ug/l

RT: 5.483 min Scan# 721

Delta R.T. 0.006 min

Lab File: VX028104.D

Acq: 14 Apr 2022 14:04

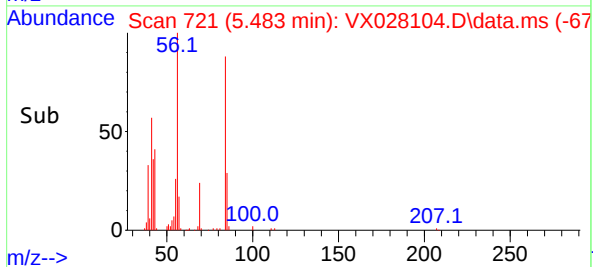
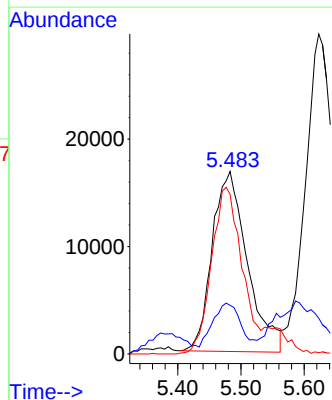
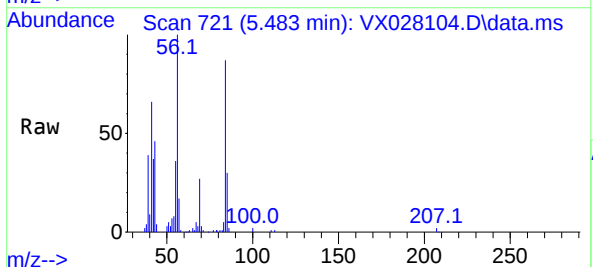
Tgt Ion: 56 Resp: 64487

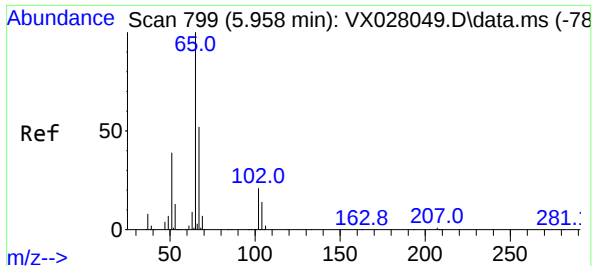
Ion Ratio Lower Upper

56 100

69 17.9 26.7 40.1#

84 88.6 77.2 115.8

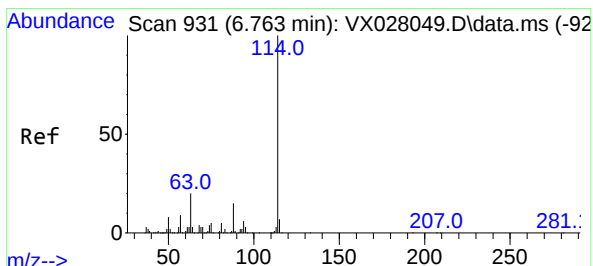
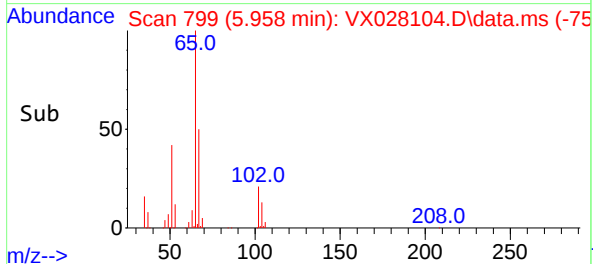
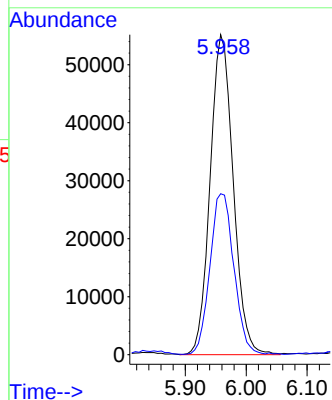
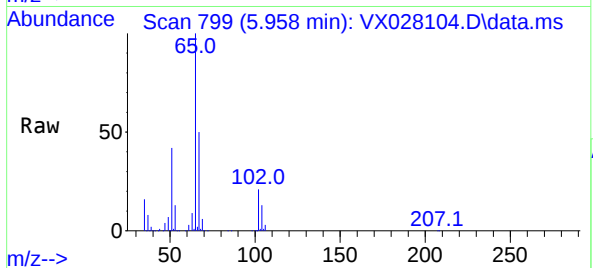




#33
1,2-Dichloroethane-d4
Concen: 46.358 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

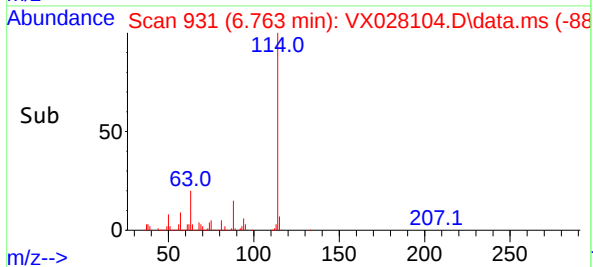
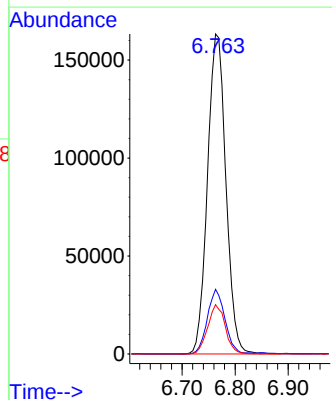
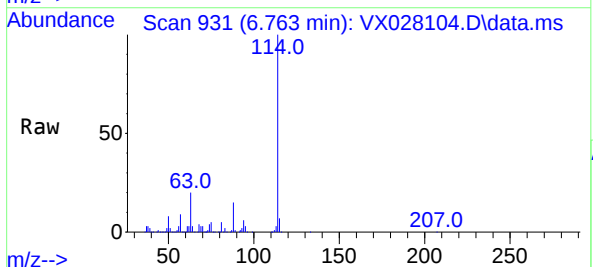
Instrument :
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ClientSampleId :
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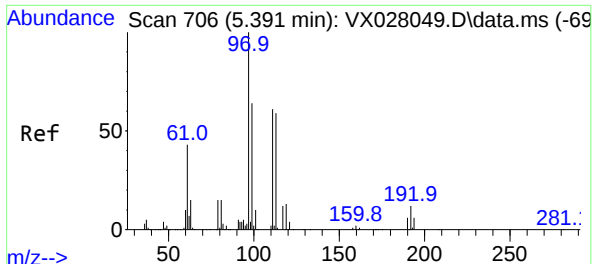
Tgt Ion: 65 Resp: 145345
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 114 Resp: 393341
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 15.4 0.0 32.4

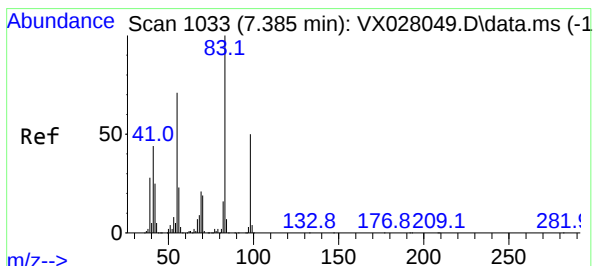
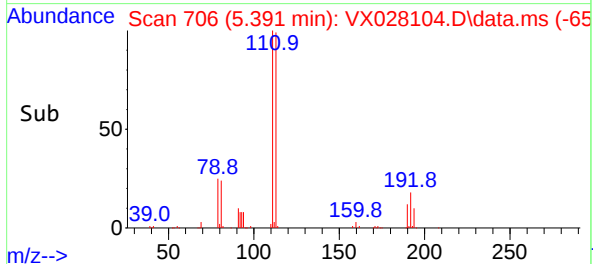
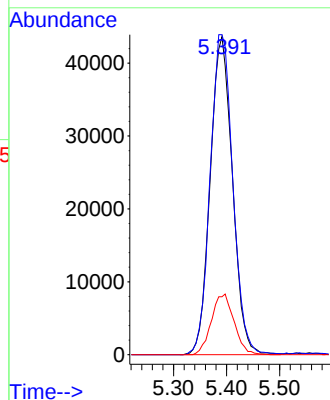
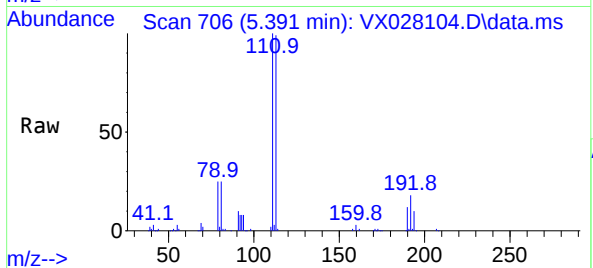




#35
Dibromofluoromethane
Concen: 49.248 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

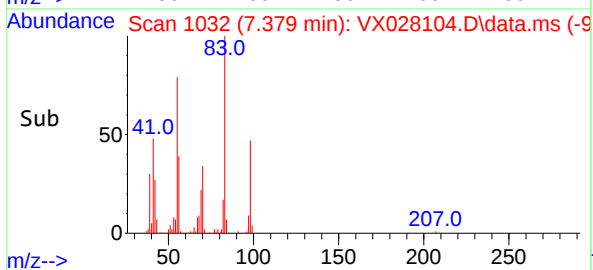
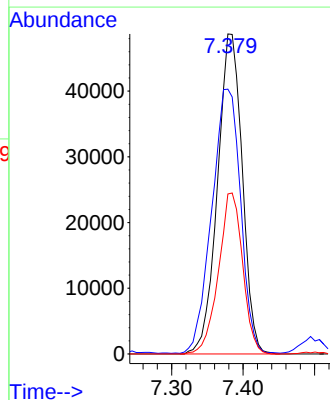
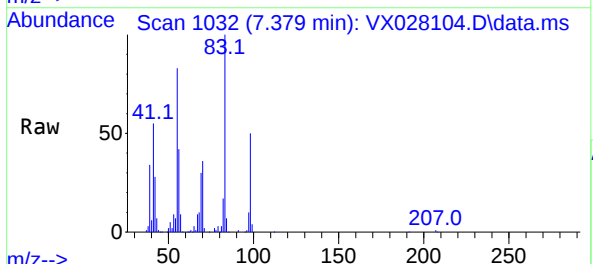
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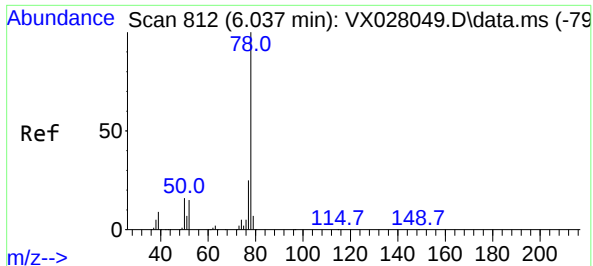
Tgt Ion:113 Resp: 126933
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 19.5 16.9 25.3



#39
Methylcyclohexane
Concen: 25.186 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 83 Resp: 117119
Ion Ratio Lower Upper
83 100
55 82.6 54.6 81.8#
98 50.0 37.4 56.2

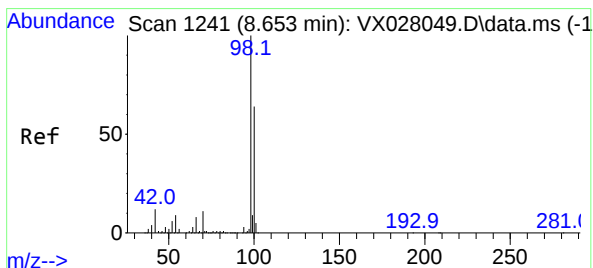
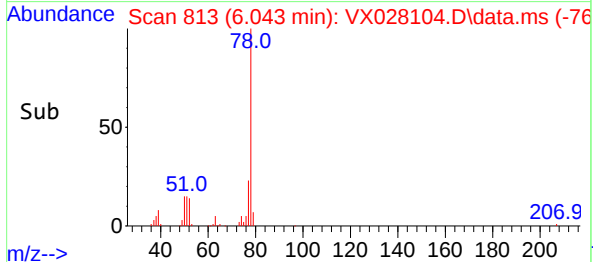
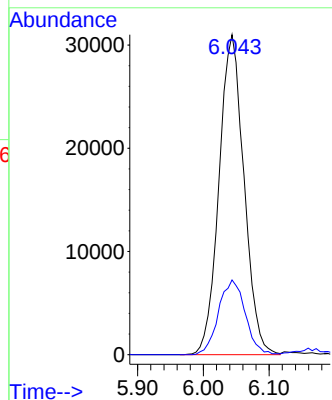
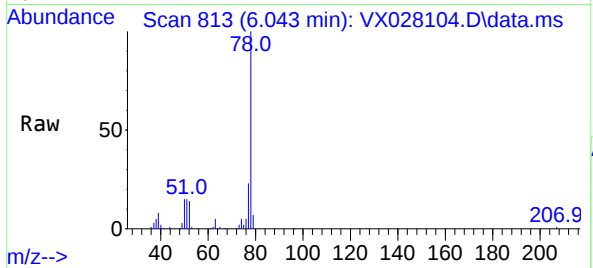




#40
Benzene
Concen: 7.162 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

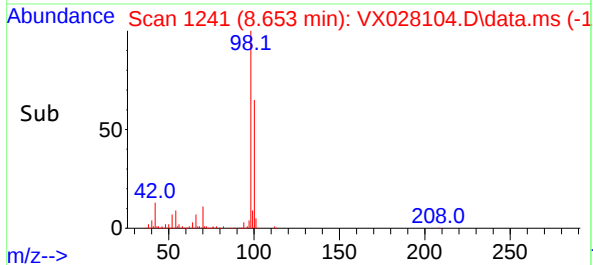
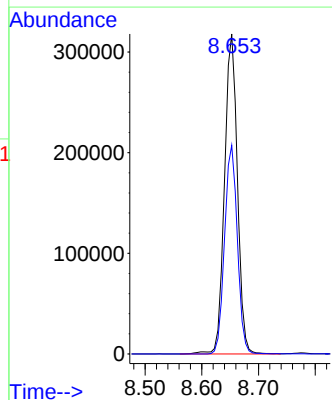
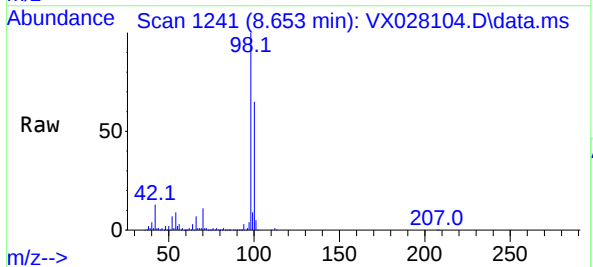
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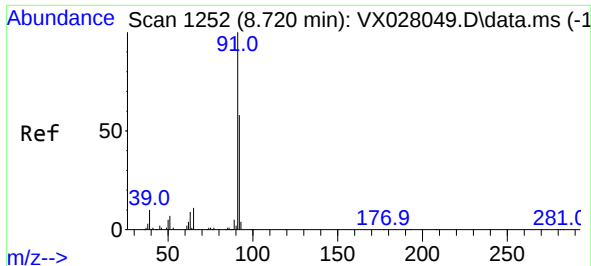
Tgt Ion: 78 Resp: 81928
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9



#50
Toluene-d8
Concen: 52.027 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 98 Resp: 500119
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

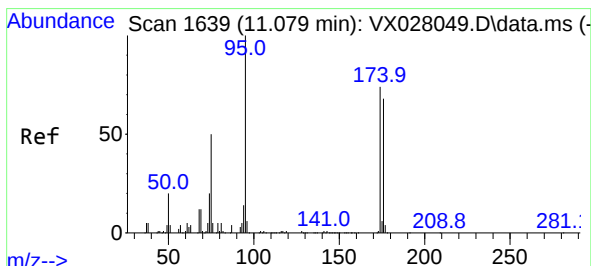
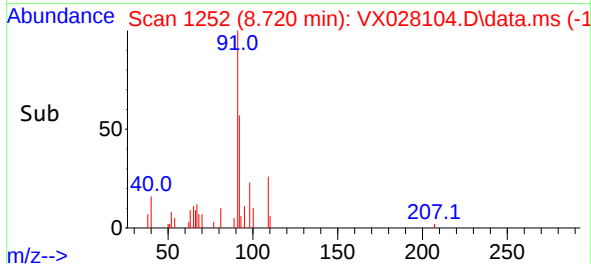
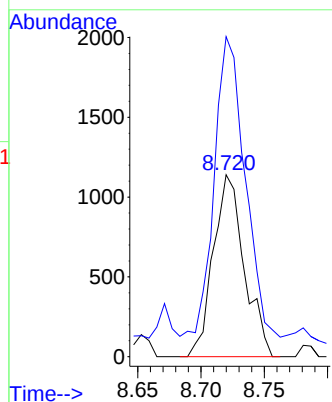
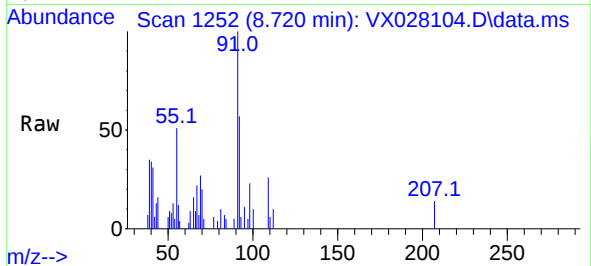




#52
Toluene
Concen: 0.254 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

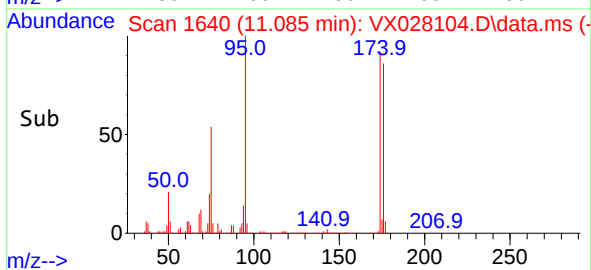
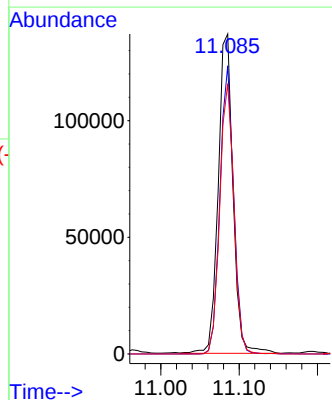
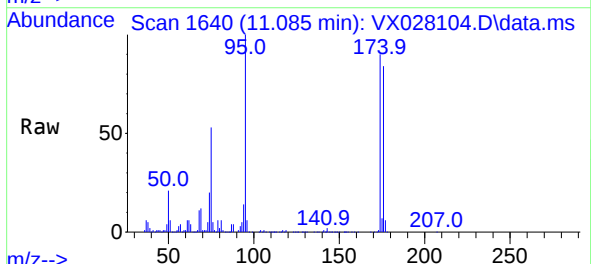
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

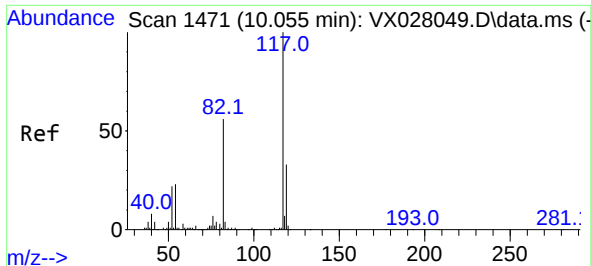
Tgt Ion: 92 Resp: 1941
Ion Ratio Lower Upper
92 100
91 191.8 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 50.103 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 95 Resp: 179830
Ion Ratio Lower Upper
95 100
174 84.1 0.0 163.0
176 80.9 0.0 155.0

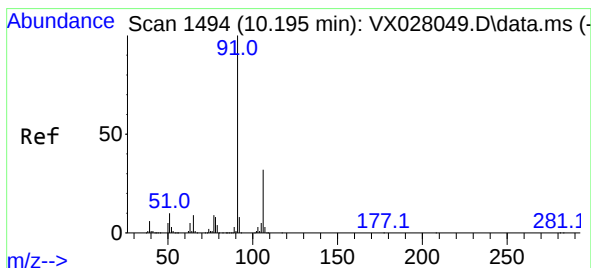
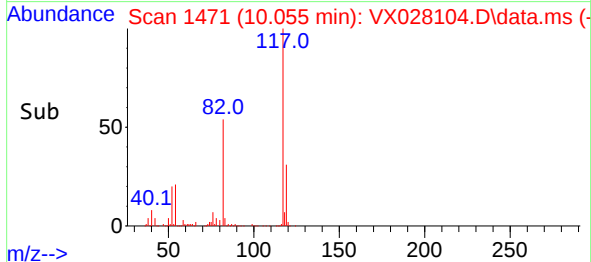
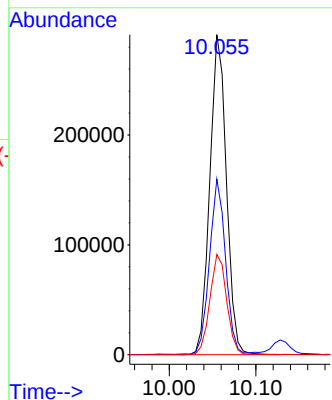
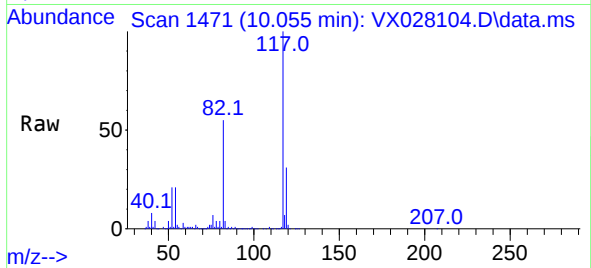




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

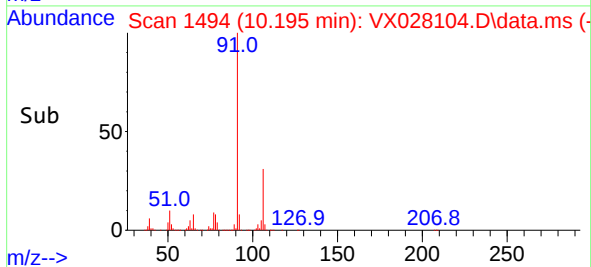
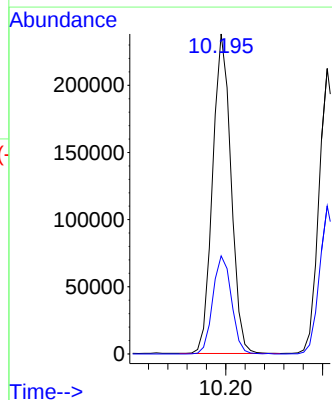
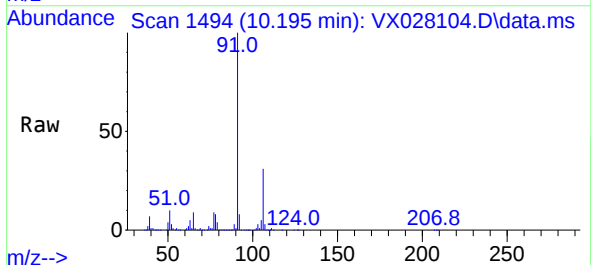
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

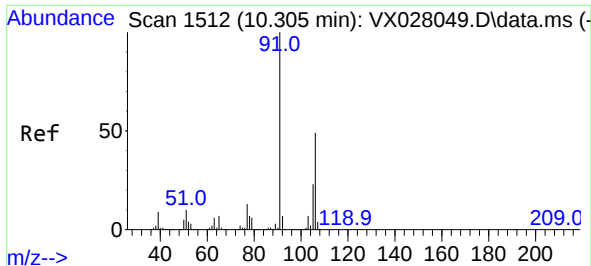
Tgt Ion:117 Resp: 387368
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 31.3 24.8 37.2



#67
Ethyl Benzene
Concen: 21.029 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 91 Resp: 313003
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

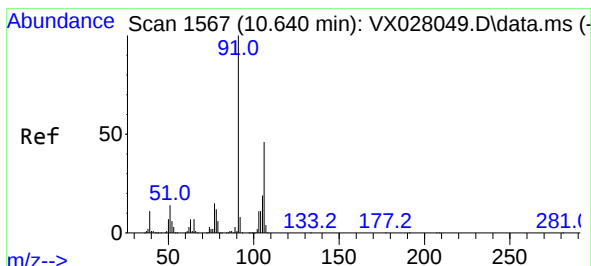
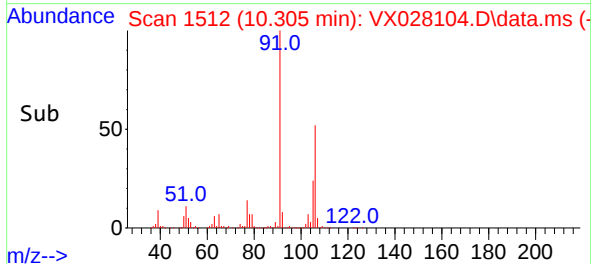
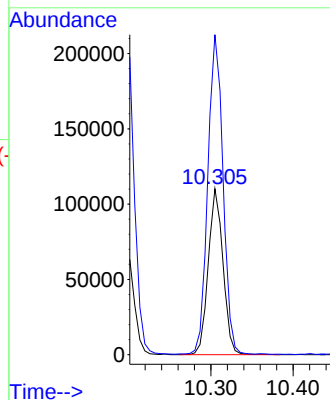
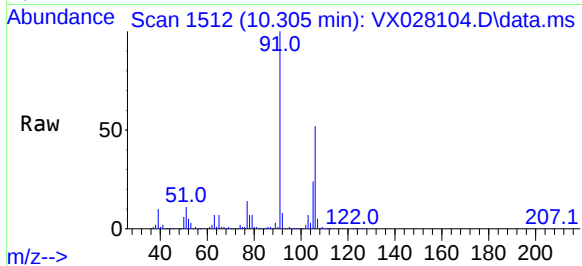




#68
m/p-Xylenes
Concen: 22.014 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

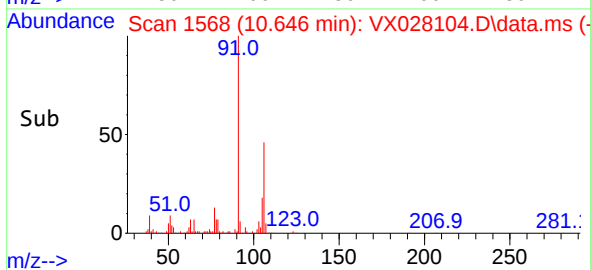
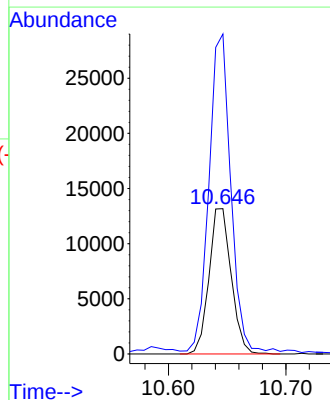
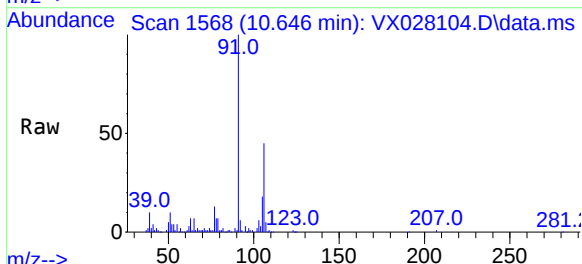
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

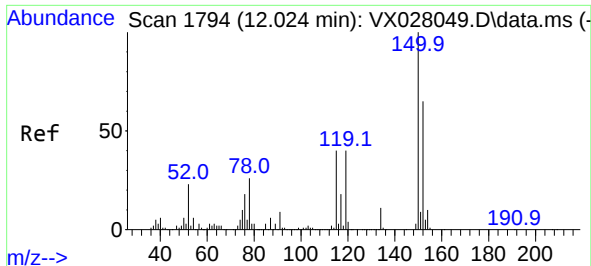
Tgt Ion:106 Resp: 136822
Ion Ratio Lower Upper
106 100
91 198.7 160.4 240.6



#69
o-Xylene
Concen: 2.864 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion:106 Resp: 17301
Ion Ratio Lower Upper
106 100
91 217.3 106.1 318.1

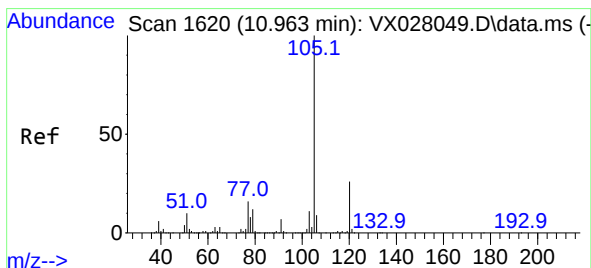
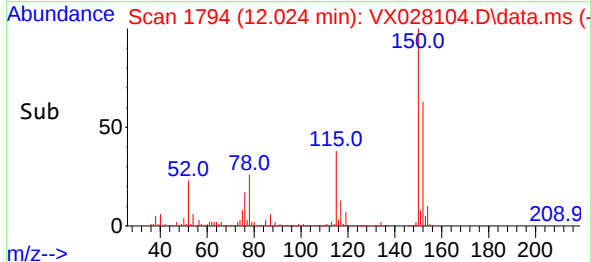
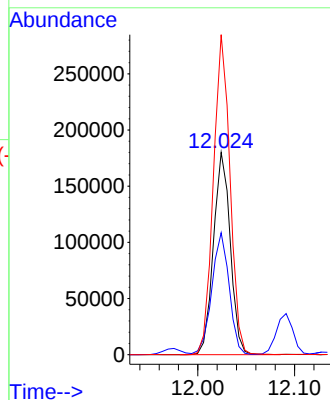
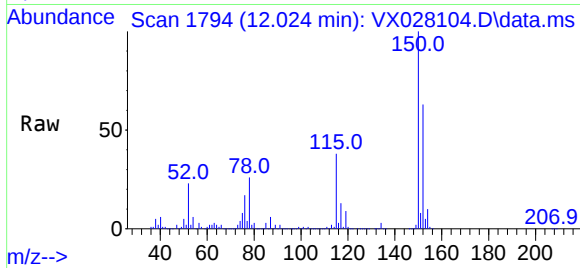




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

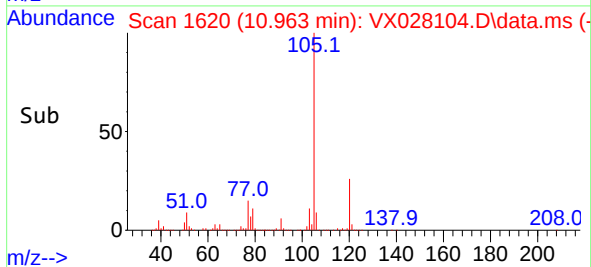
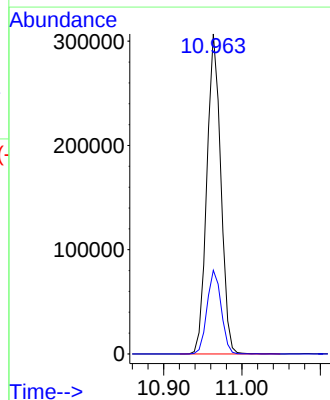
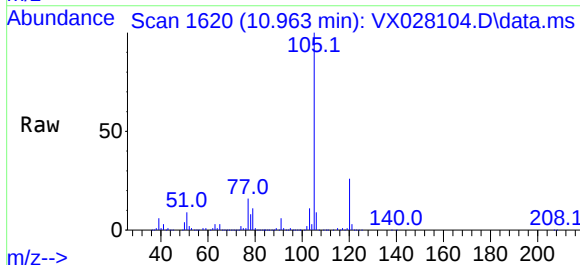
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

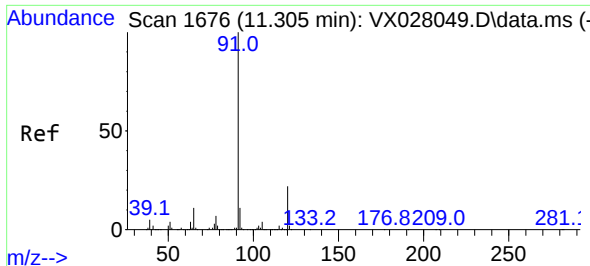
Tgt Ion:152 Resp: 217388
Ion Ratio Lower Upper
152 100
115 61.9 37.5 112.7
150 156.6 0.0 338.2



#73
Isopropylbenzene
Concen: 24.473 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion:105 Resp: 377935
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

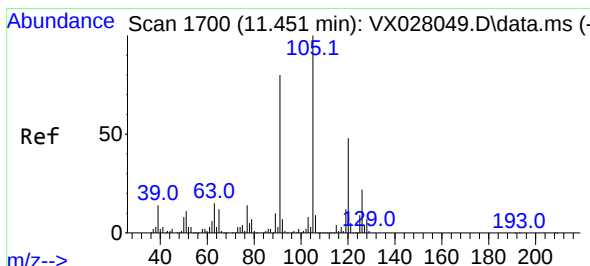
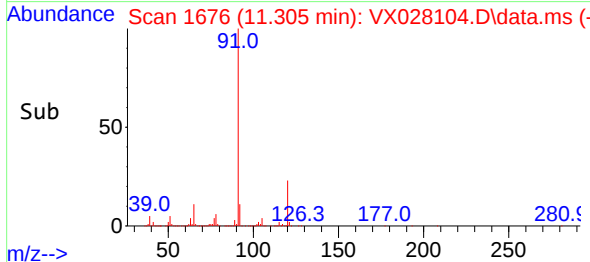
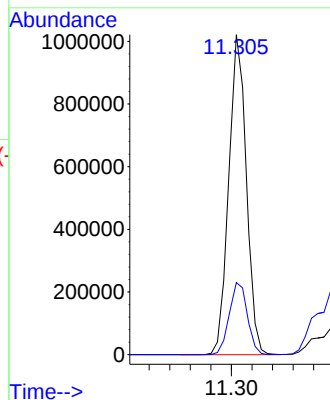
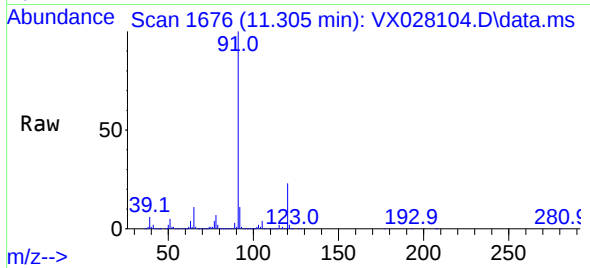




#78
n-propylbenzene
Concen: 67.618 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

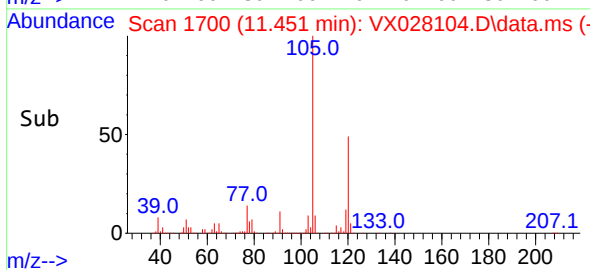
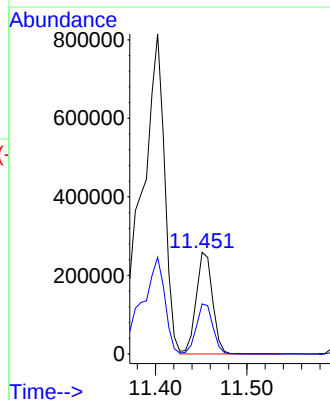
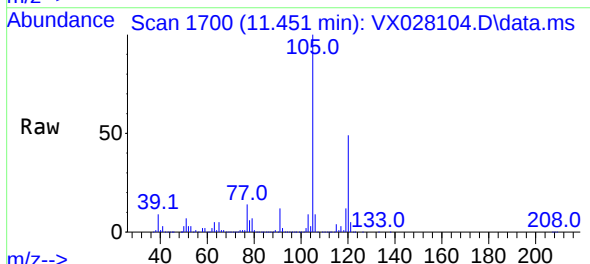
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

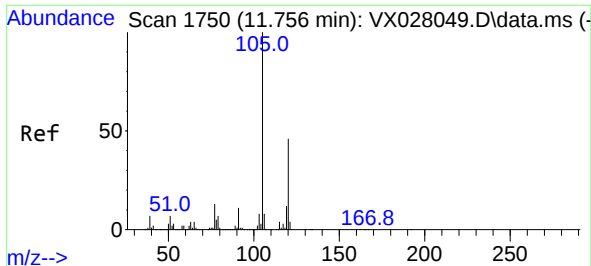
Tgt Ion: 91 Resp: 1213602
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 24.107 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 105 Resp: 321591
Ion Ratio Lower Upper
105 100
120 49.9 24.3 72.9

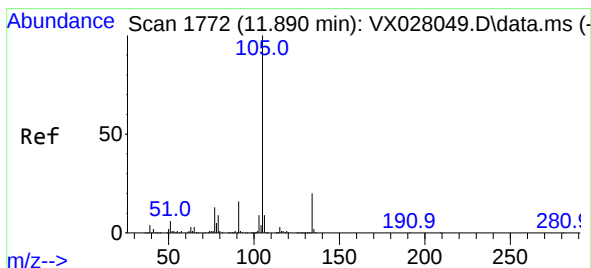
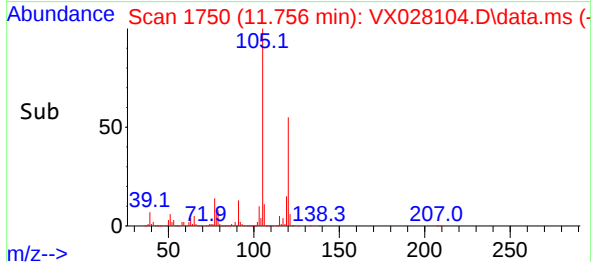
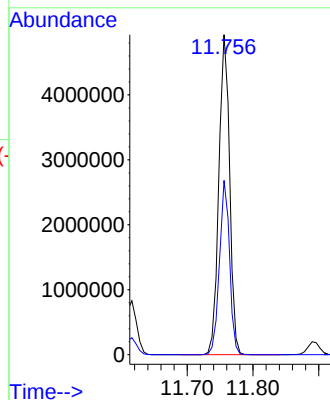
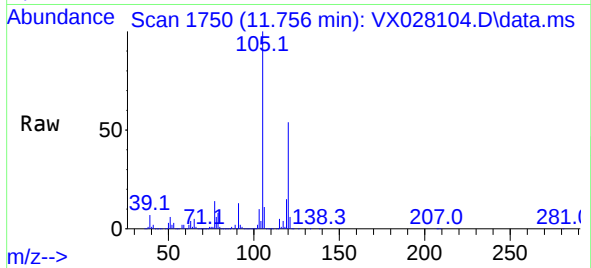




#84
1,2,4-Trimethylbenzene
Concen: 429.644 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

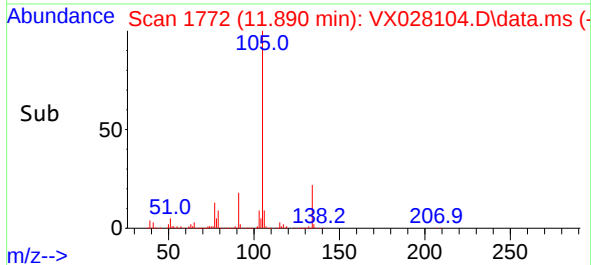
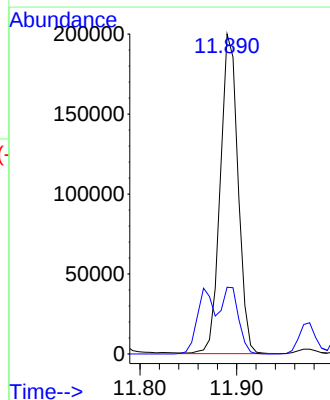
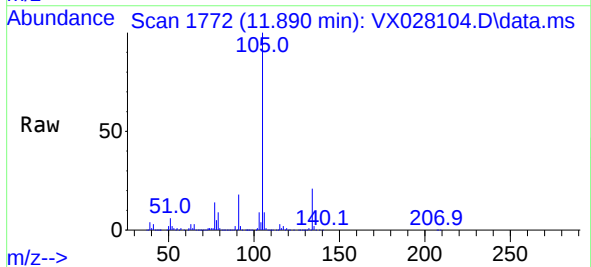
Instrument :
MSVOA_X
ClientSampleId :
MW-31R

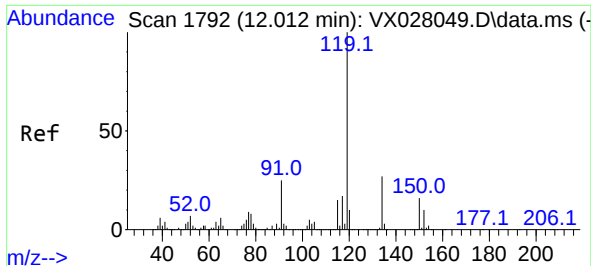
Tgt Ion:105 Resp: 5611426
Ion Ratio Lower Upper
105 100
120 51.0 22.6 67.8



#85
sec-Butylbenzene
Concen: 15.394 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion:105 Resp: 253587
Ion Ratio Lower Upper
105 100
134 20.3 10.2 30.4



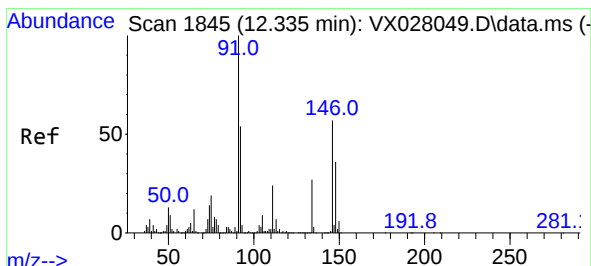
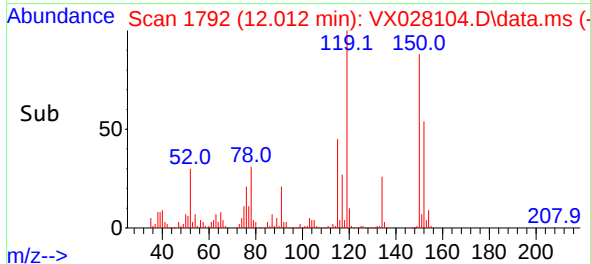
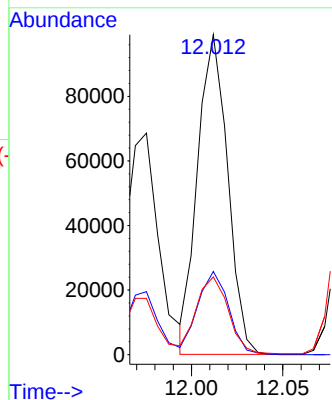
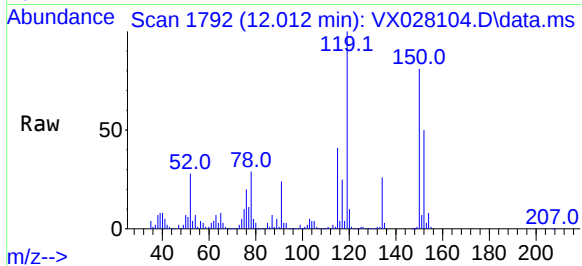


#86
p-Isopropyltoluene
Concen: 8.108 ug/l
RT: 12.012 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-31R

Tgt Ion: 119 Resp: 113182

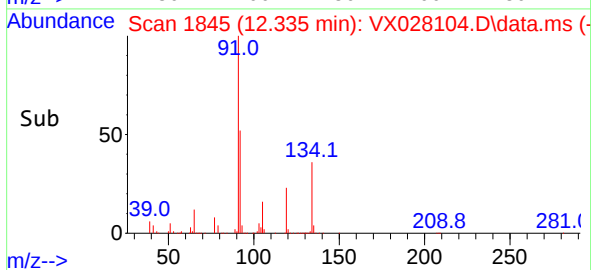
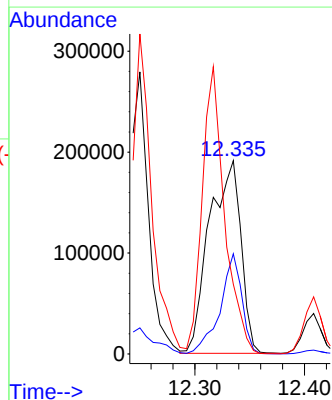
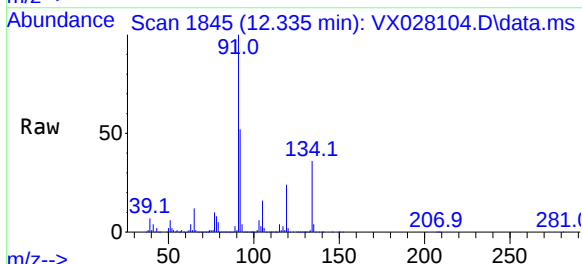
Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.0	39.0
91	25.4	11.3	33.9

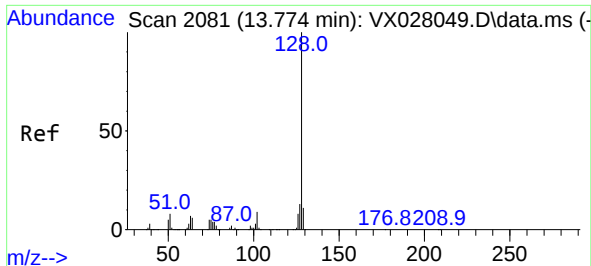


#89
n-Butylbenzene
Concen: 31.988 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Tgt Ion: 91 Resp: 382183

Ion	Ratio	Lower	Upper
91	100		
92	35.5	27.8	83.3
134	105.4	13.3	39.8





#95
Naphthalene
Concen: 24.025 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028104.D
Acq: 14 Apr 2022 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-31R

Tgt Ion:128 Resp: 344645
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 14.7 8.7 13.1#

