

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032220.D
 Acq On : 19 Oct 2022 20:05
 Operator : JC/MD
 Sample : N5170-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1665

Quant Time: Oct 20 04:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

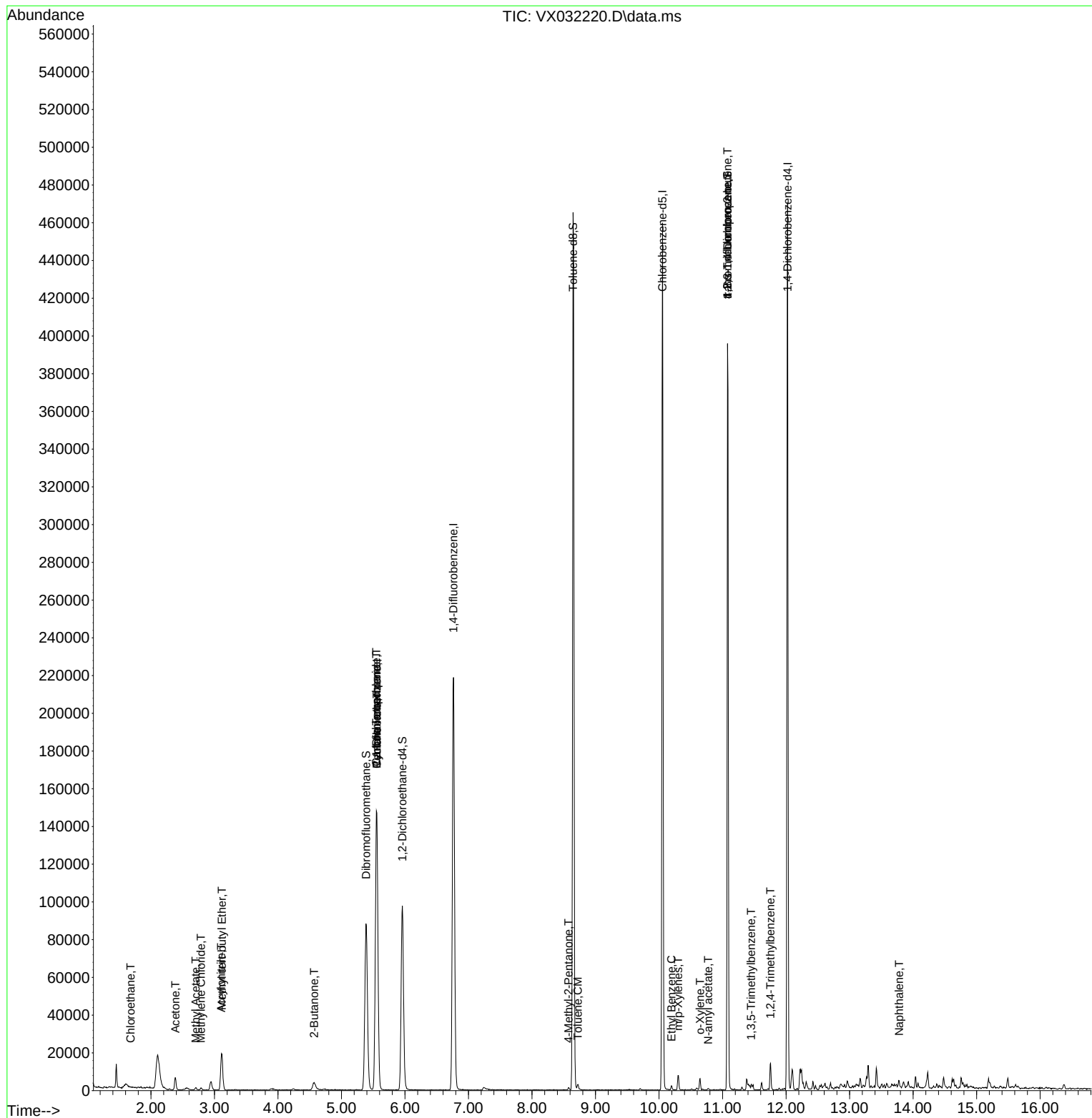
Internal Standards						
1) Pentafluorobenzene	5.556	168	141335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97693	53.134	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.260%			
35) Dibromofluoromethane	5.385	113	75800	48.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	8.647	98	274357	49.091	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.180%			
62) 4-Bromofluorobenzene	11.079	95	99118	48.433	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.860%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	21	Below Cal	#	44
6) Chloroethane	1.678	64	161	2.064	ug/l #	41
11) Tert butyl alcohol	2.940	59	2967	Below Cal	#	74
15) Acrylonitrile	3.105	53	211	0.306	ug/l #	17
16) Acetone	2.386	43	7370	12.352	ug/l	92
18) Methyl Acetate	2.703	43	1546	0.763	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	21105	4.855	ug/l	99
20) Methylene Chloride	2.788	84	638	0.416	ug/l #	79
25) 2-Butanone	4.568	43	1093	1.173	ug/l #	48
31) Cyclohexane	5.556	56	3264	1.553	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	11070	5.543	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14087	6.682	ug/l #	19
51) 4-Methyl-2-Pentanone	8.574	43	784	0.408	ug/l #	79
52) Toluene	8.720	92	1174	0.313	ug/l	98
67) Ethyl Benzene	10.195	91	1531	0.216	ug/l	93
68) m/p-Xylenes	10.299	106	1874	0.668	ug/l	91
69) o-Xylene	10.646	106	1310	0.488	ug/l	87
74) N-amyl acetate	10.774	43	587	0.234	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	52872	28.085	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.451	105	1479	0.253	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	52872	86.123	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	6407	1.125	ug/l	97
95) Naphthalene	13.780	128	2654	0.405	ug/l	98

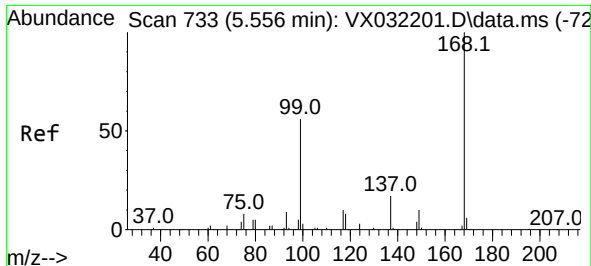
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032220.D
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Operator : JC/MD
Sample : N5170-07 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TRE-1665

Quant Time: Oct 20 04:31:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

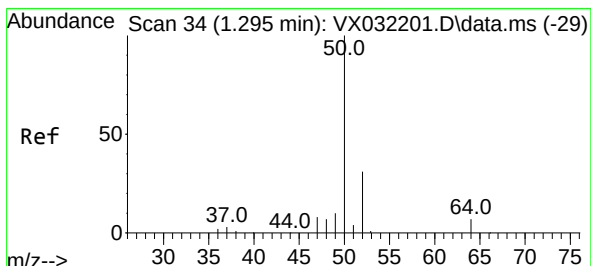
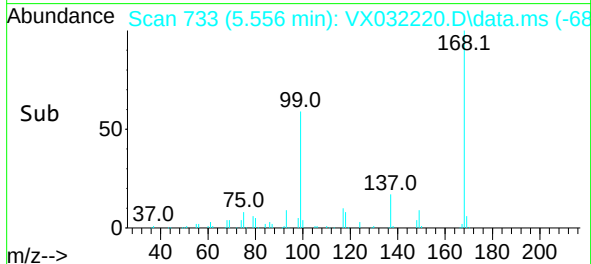
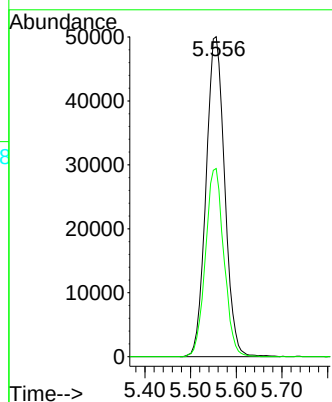
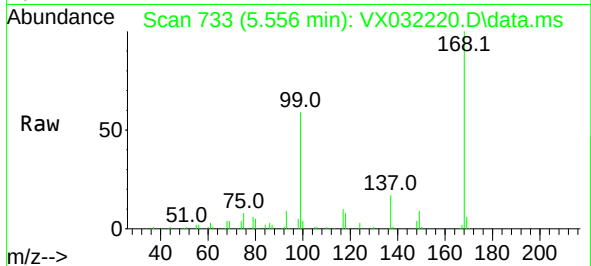




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

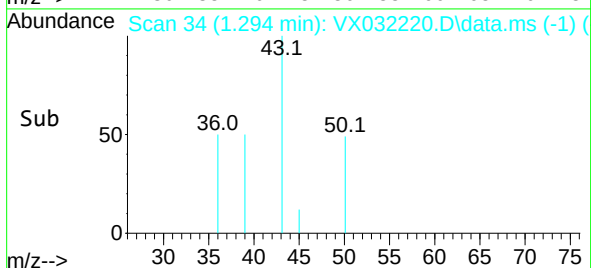
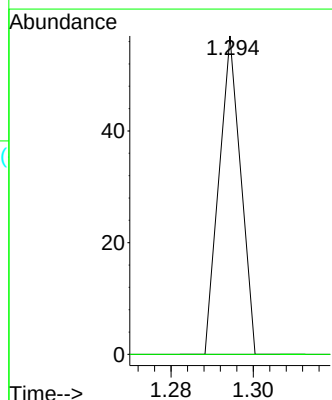
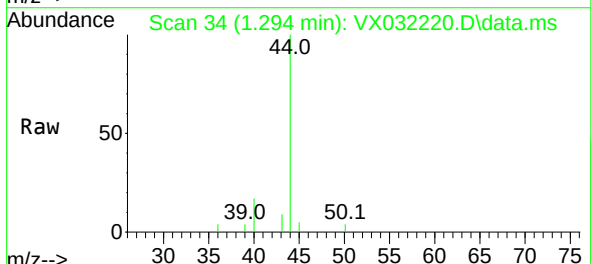
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

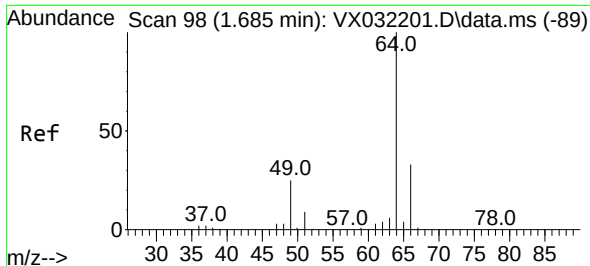
Tgt Ion:168 Resp: 141335
Ion Ratio Lower Upper
168 100
99 58.8 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 50 Resp: 21
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

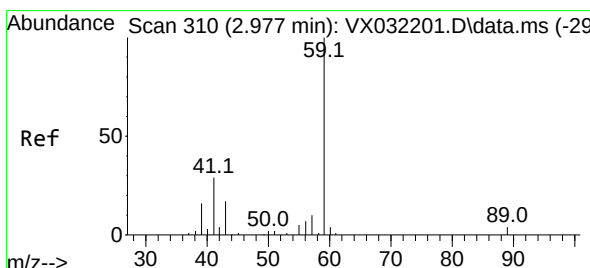
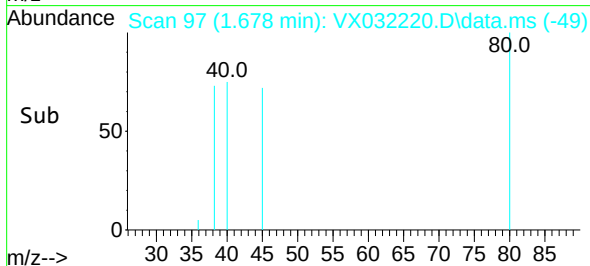
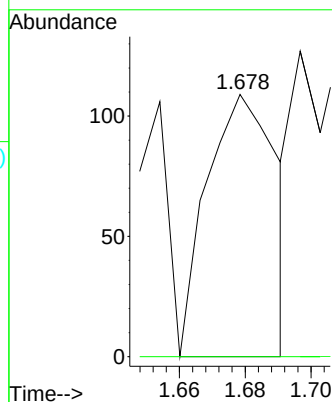
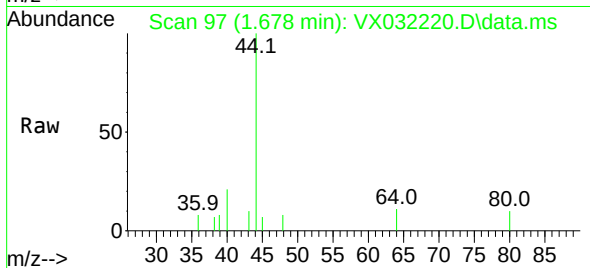




#6
Chloroethane
Concen: 2.064 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

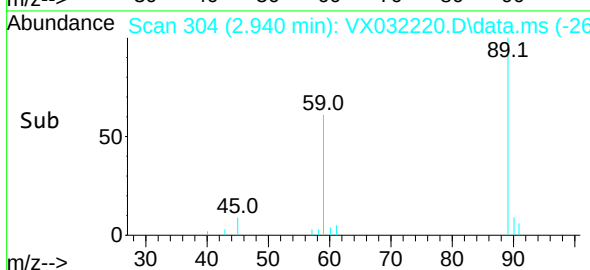
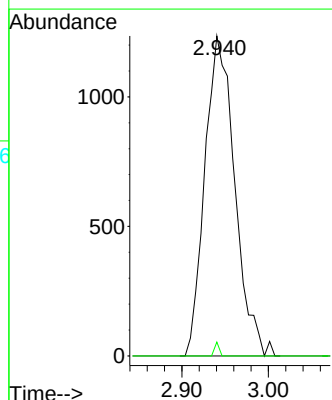
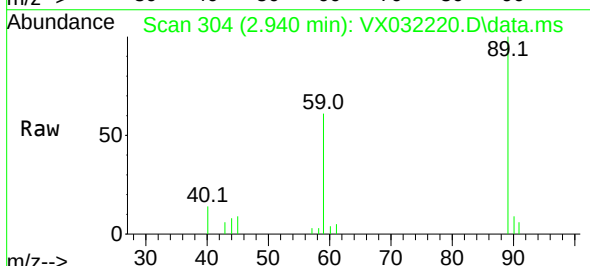
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

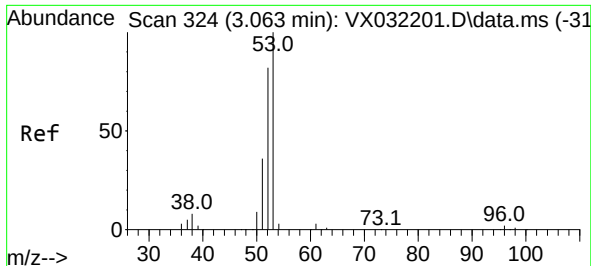
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 59 Resp: 2967
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#15

Acrylonitrile

Concen: 0.306 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.042 min

Lab File: VX032220.D

Acq: 19 Oct 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

TRE-1665

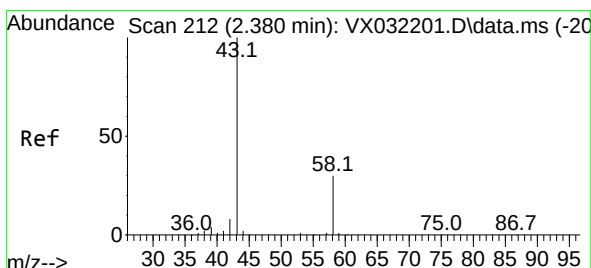
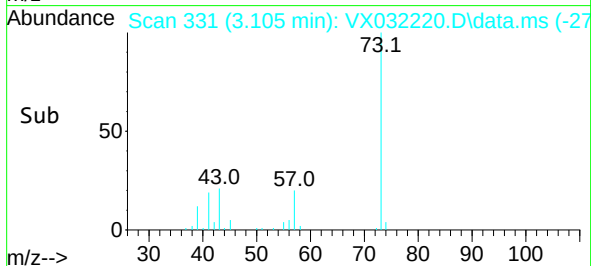
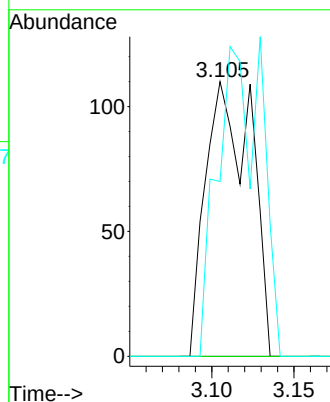
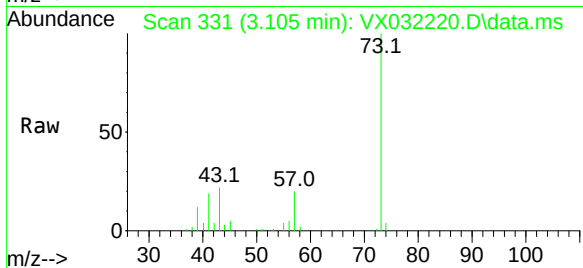
Tgt Ion: 53 Resp: 211

Ion Ratio Lower Upper

53 100

52 0.0 65.9 98.9#

51 0.0 29.7 44.5#



#16

Acetone

Concen: 12.352 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX032220.D

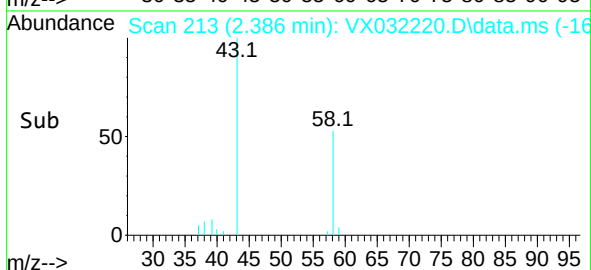
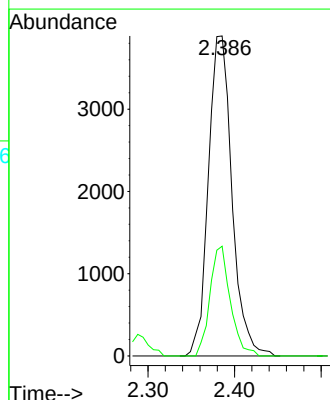
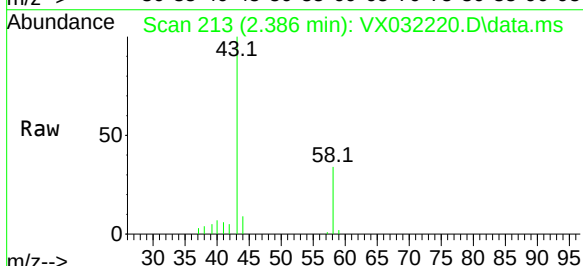
Acq: 19 Oct 2022 20:05

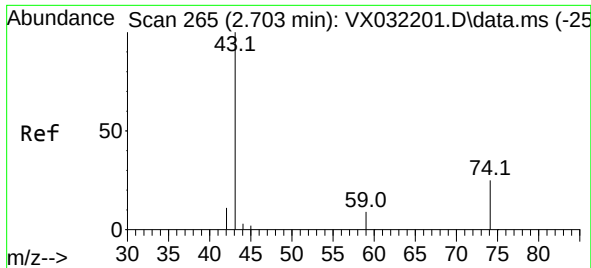
Tgt Ion: 43 Resp: 7370

Ion Ratio Lower Upper

43 100

58 34.3 24.2 36.2

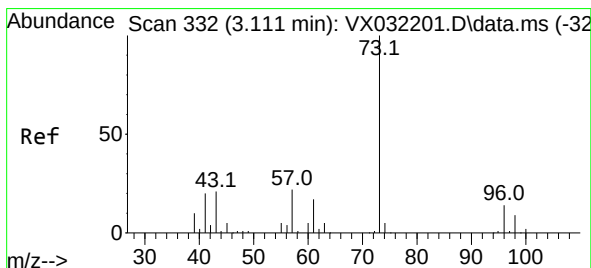
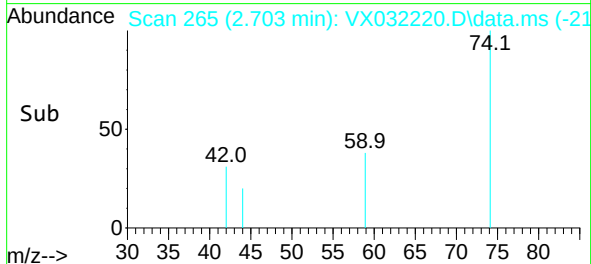
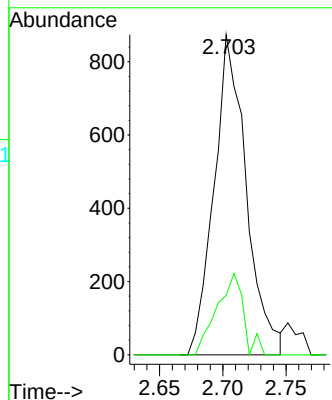
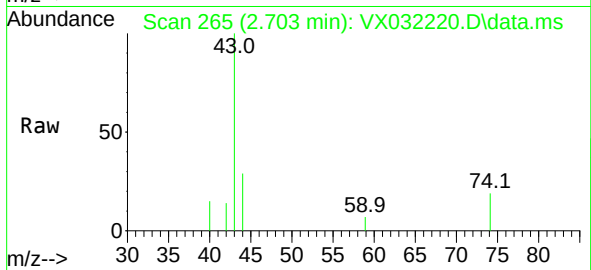




#18
Methyl Acetate
Concen: 0.763 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

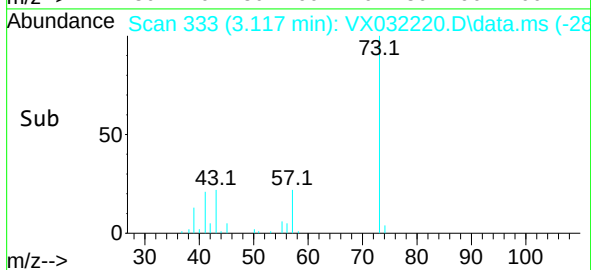
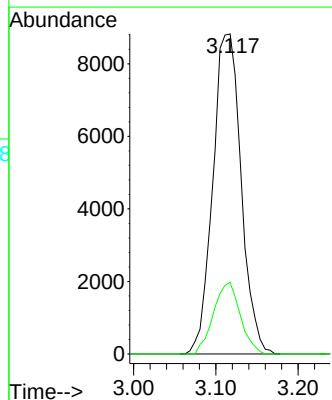
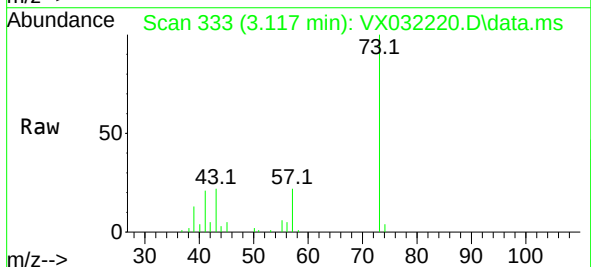
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

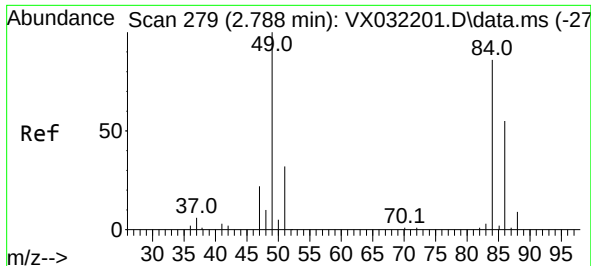
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
74 21.0 19.8 29.8



#19
Methyl tert-butyl Ether
Concen: 4.855 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 73 Resp: 21105
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.2





#20

Methylene Chloride

Concen: 0.416 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX032220.D

Acq: 19 Oct 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

TRE-1665

Tgt Ion: 84 Resp: 638

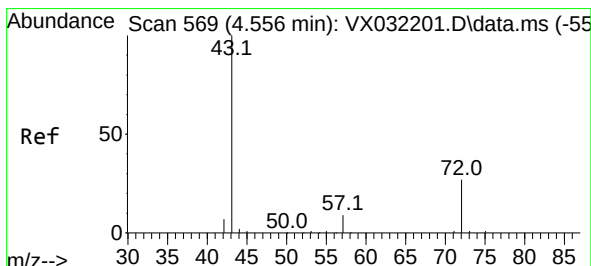
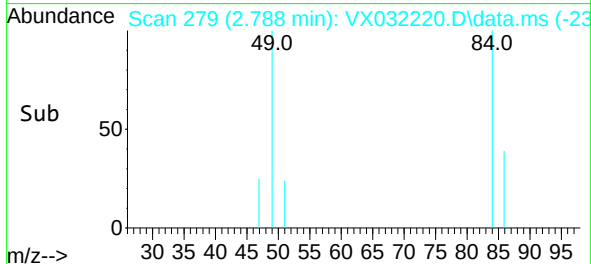
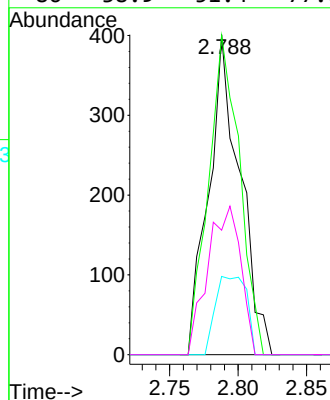
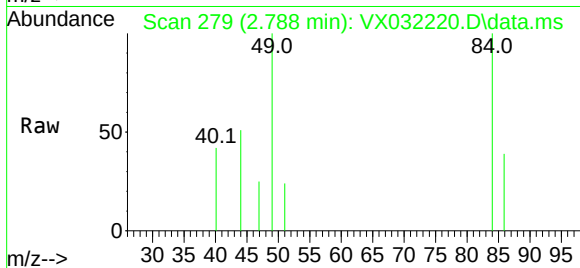
Ion Ratio Lower Upper

84 100

49 99.8 92.6 139.0

51 24.4 29.2 43.8#

86 38.9 51.4 77.0#



#25

2-Butanone

Concen: 1.173 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX032220.D

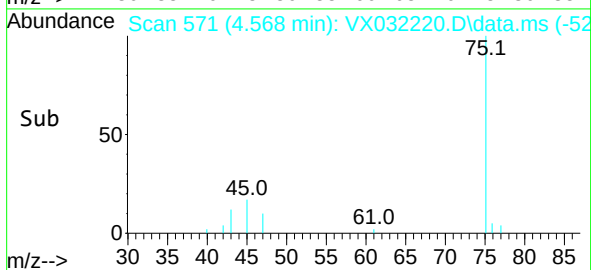
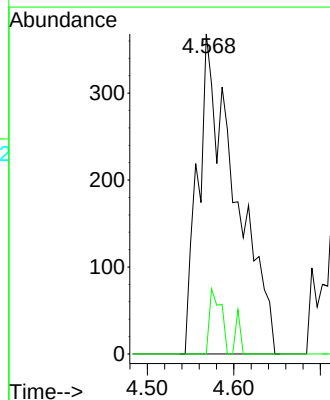
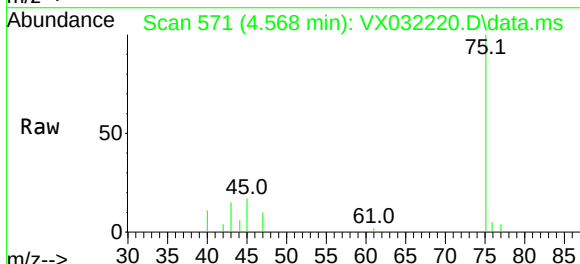
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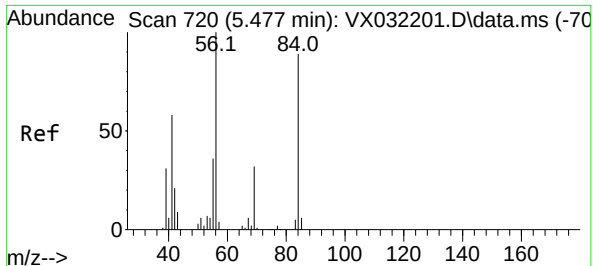
Tgt Ion: 43 Resp: 1093

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

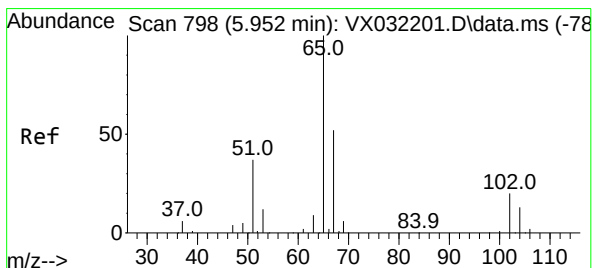
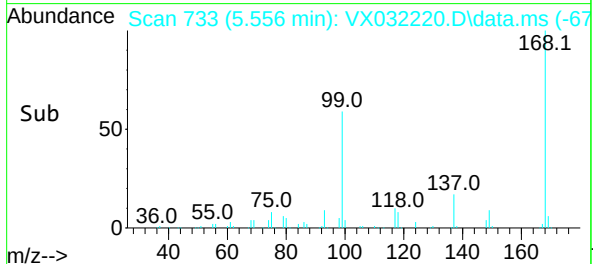
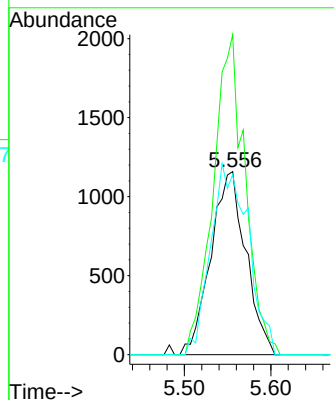
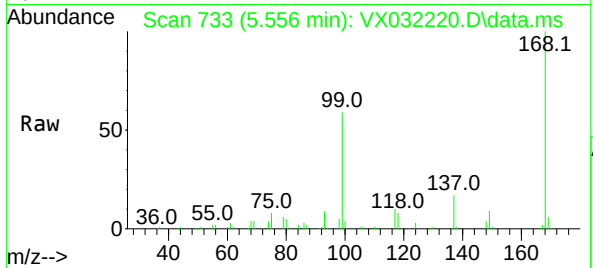




#31
Cyclohexane
Concen: 1.553 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.079 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

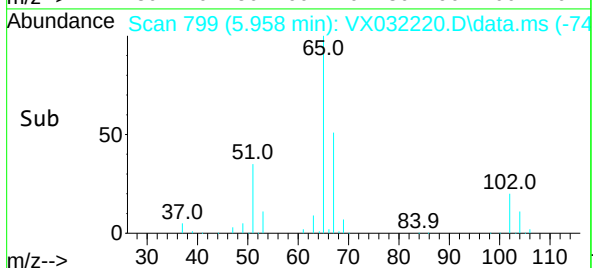
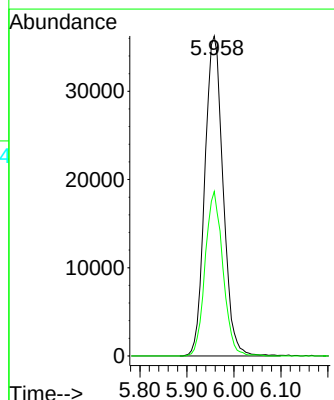
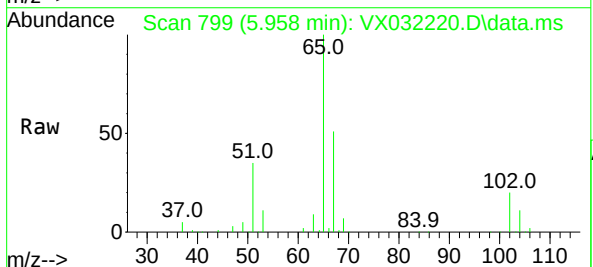
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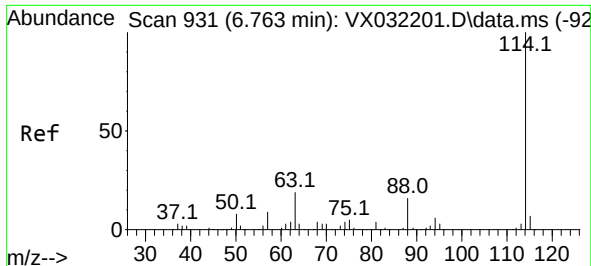
Tgt Ion: 56 Resp: 3264
Ion Ratio Lower Upper
56 100
69 174.9 25.4 38.0#
84 98.4 71.2 106.8



#33
1,2-Dichloroethane-d4
Concen: 53.134 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 65 Resp: 97693
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.6

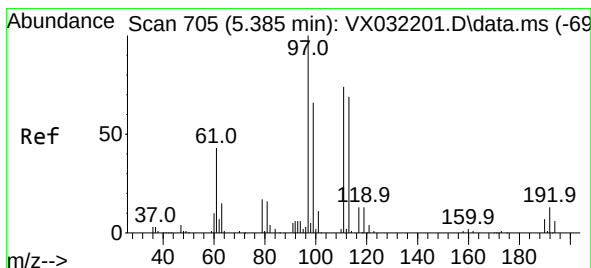
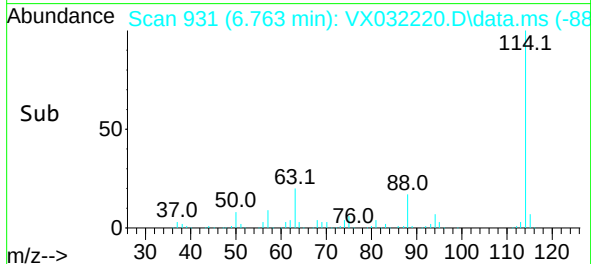
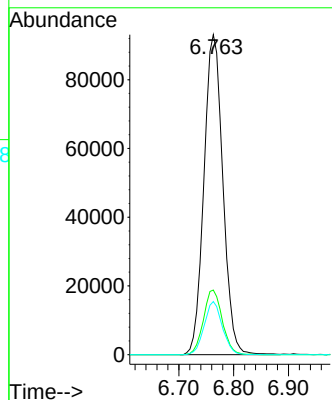
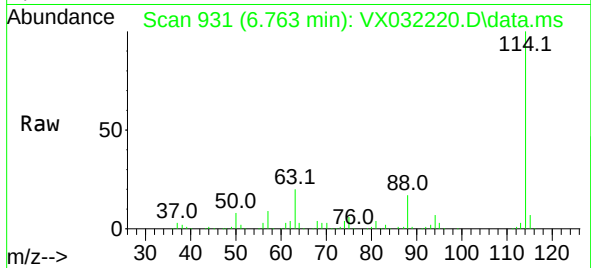




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

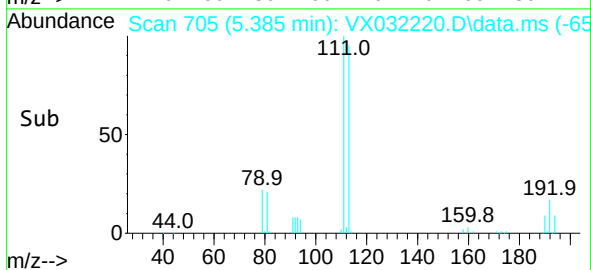
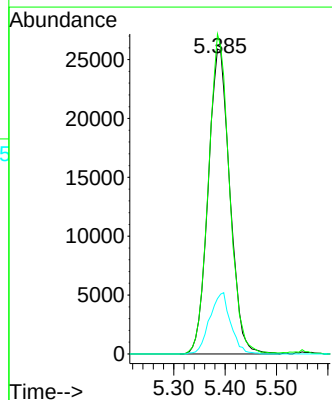
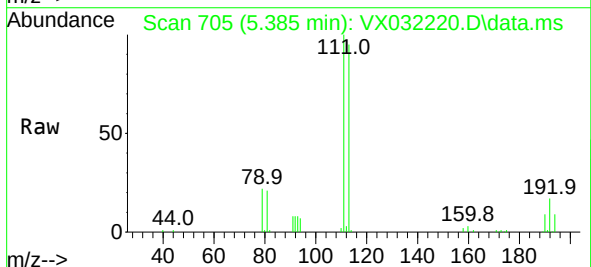
Instrument :
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TRE-1665

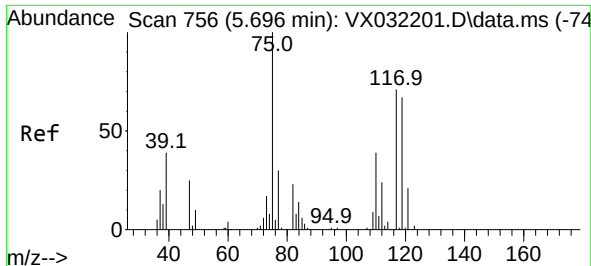
Tgt Ion:114 Resp: 223110
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.823 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion:113 Resp: 75800
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 19.4 15.5 23.3

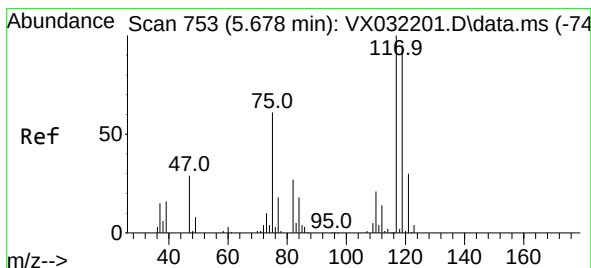
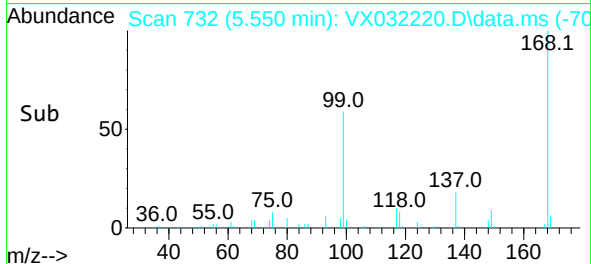
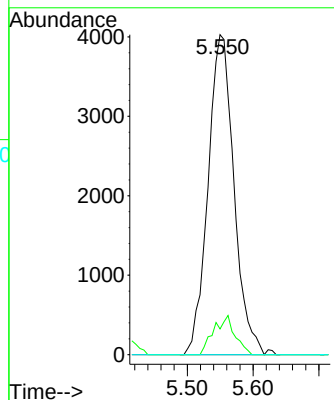
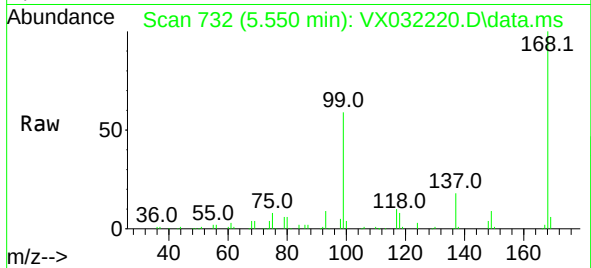




#36
1,1-Dichloropropene
Concen: 5.543 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

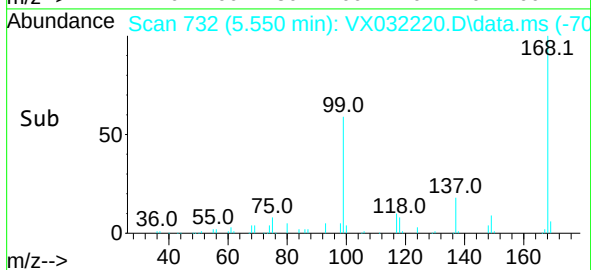
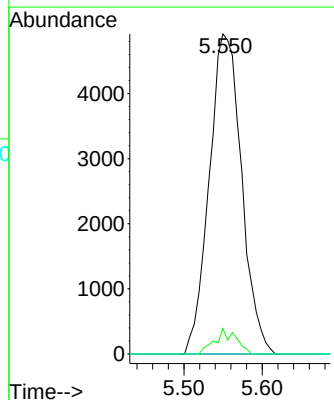
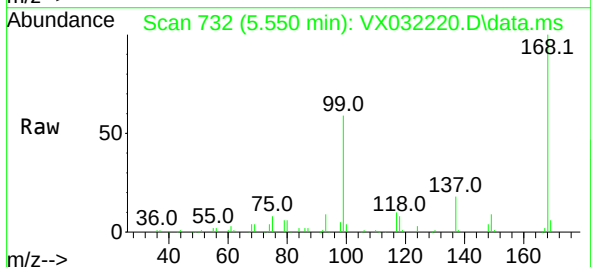
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

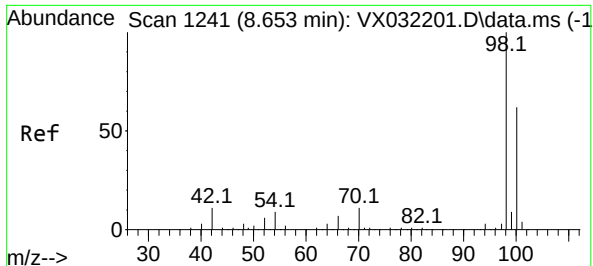
Tgt Ion: 75 Resp: 11070
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.0#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 117 Resp: 14087
Ion Ratio Lower Upper
117 100
119 8.0 75.4 113.0#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.091 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032220.D

Acq: 19 Oct 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

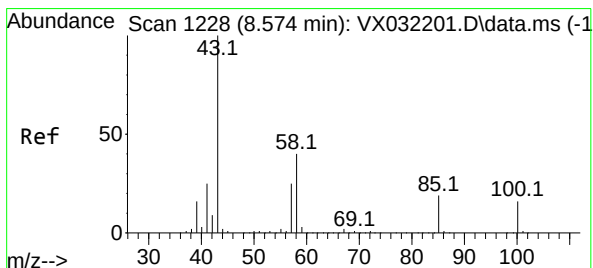
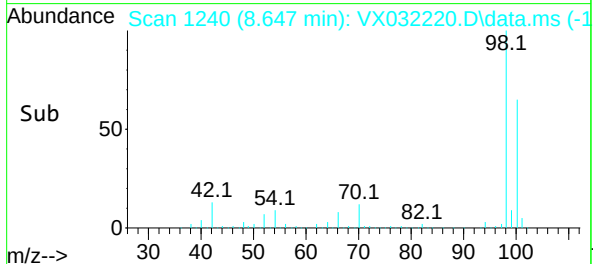
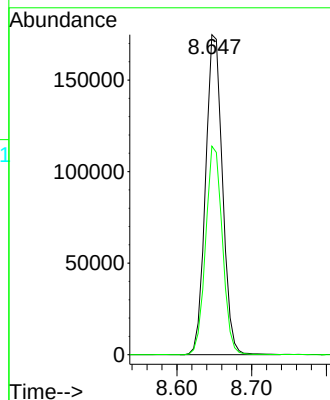
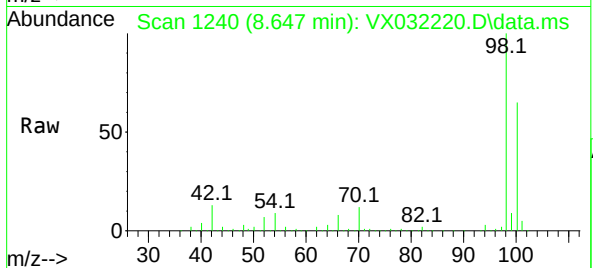
TRE-1665

Tgt Ion: 98 Resp: 274357

Ion Ratio Lower Upper

98 100

100 64.6 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.408 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX032220.D

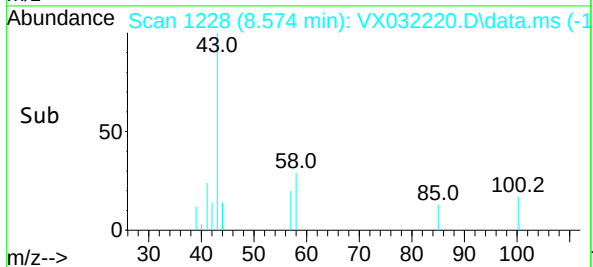
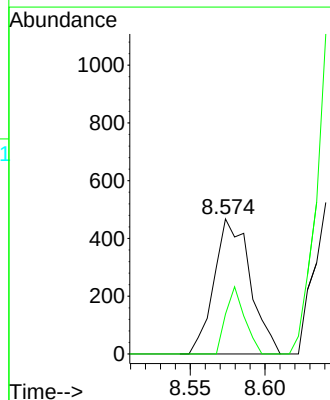
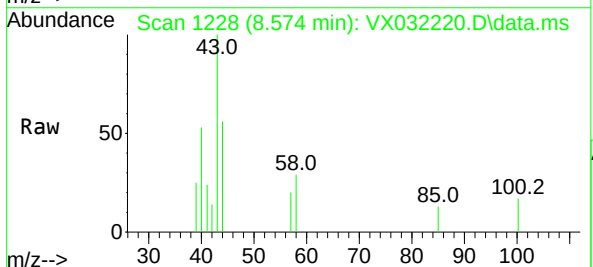
Acq: 19 Oct 2022 20:05

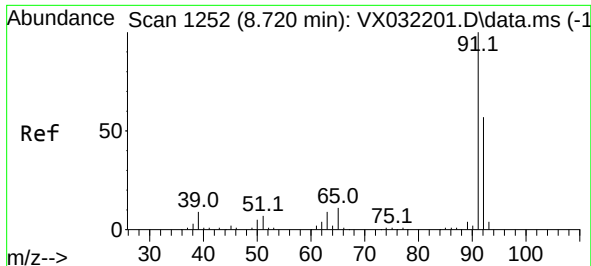
Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

58 26.0 31.0 46.4#

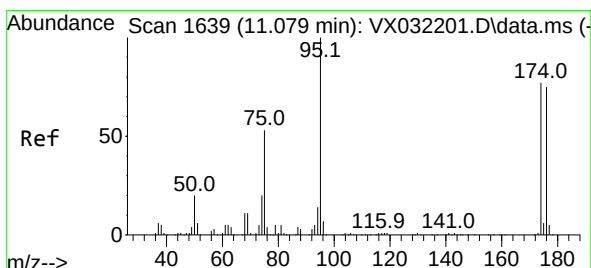
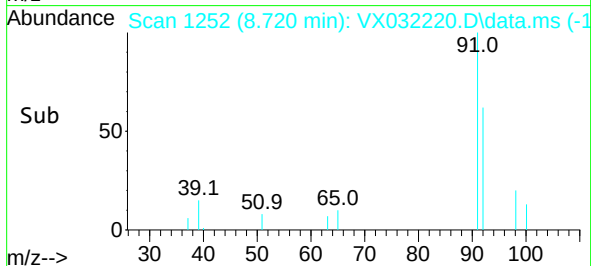
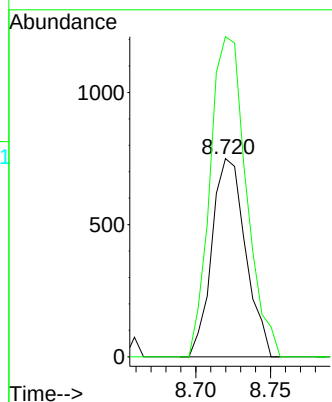
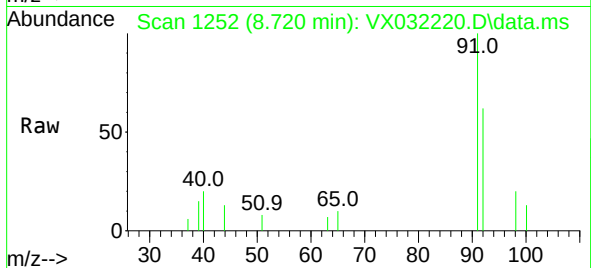




#52
Toluene
Concen: 0.313 ug/l
RT: 8.720 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

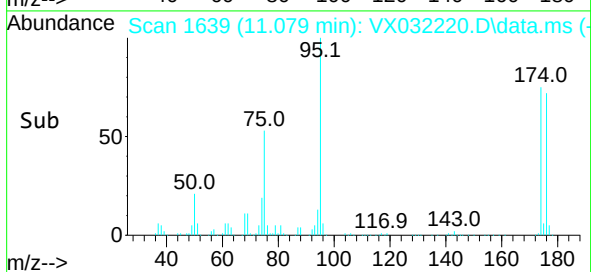
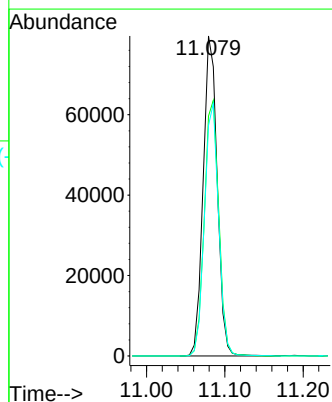
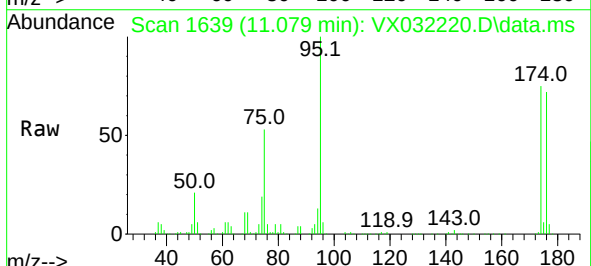
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

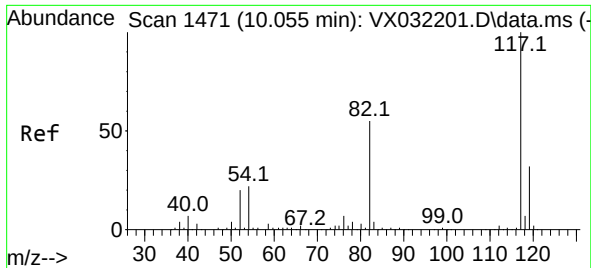
Tgt Ion: 92 Resp: 1174
Ion Ratio Lower Upper
92 100
91 173.2 140.3 210.5



#62
4-Bromofluorobenzene
Concen: 48.433 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 95 Resp: 99118
Ion Ratio Lower Upper
95 100
174 82.1 0.0 166.8
176 79.6 0.0 161.4

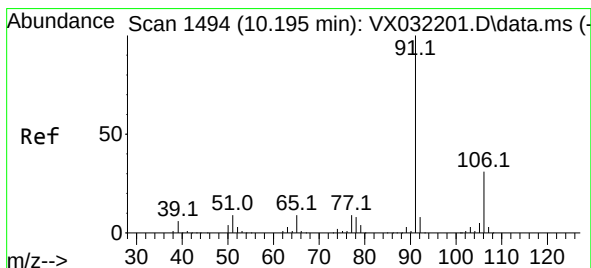
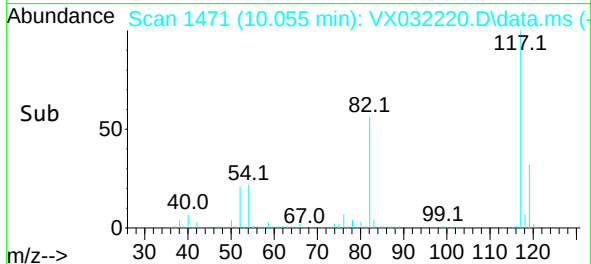
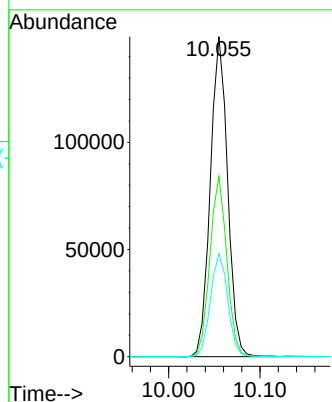
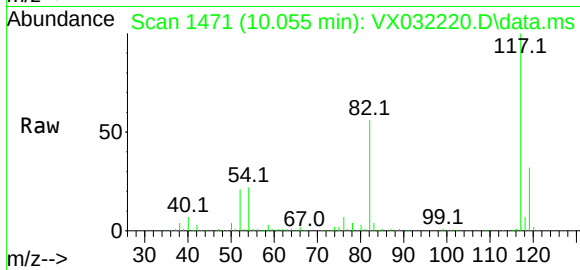




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

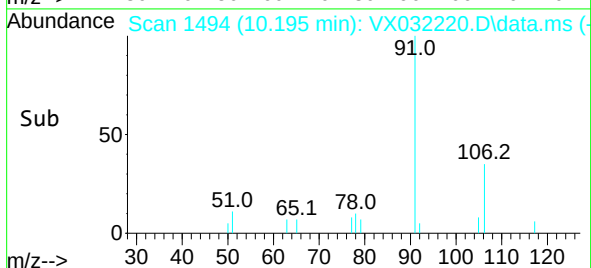
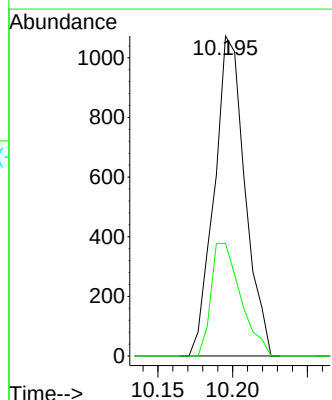
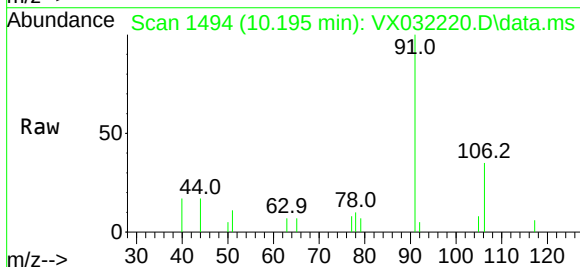
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

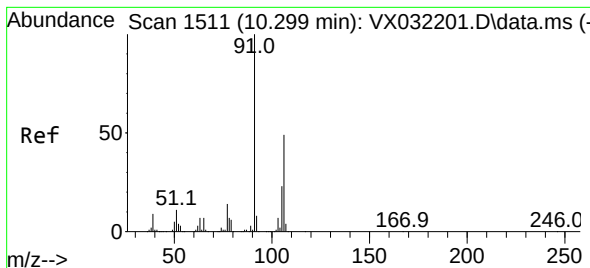
Tgt Ion:117 Resp: 195592
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.4
119 32.2 25.8 38.8



#67
Ethyl Benzene
Concen: 0.216 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 91 Resp: 1531
Ion Ratio Lower Upper
91 100
106 35.2 25.0 37.4

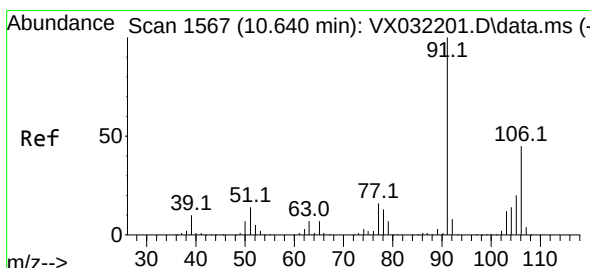
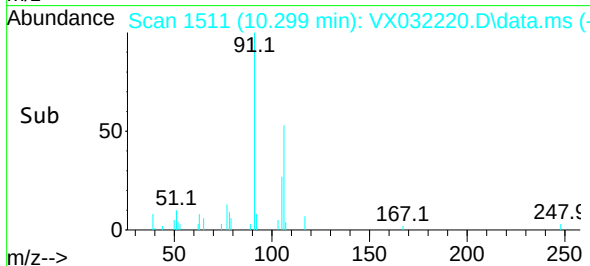
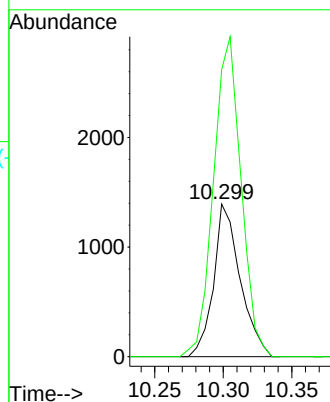
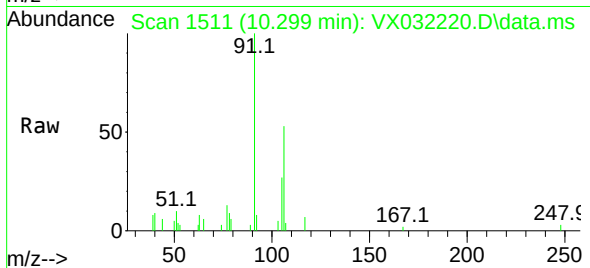




#68
m/p-Xylenes
Concen: 0.668 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

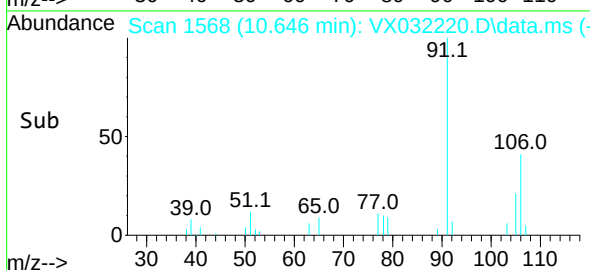
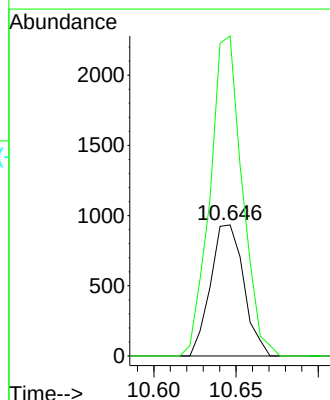
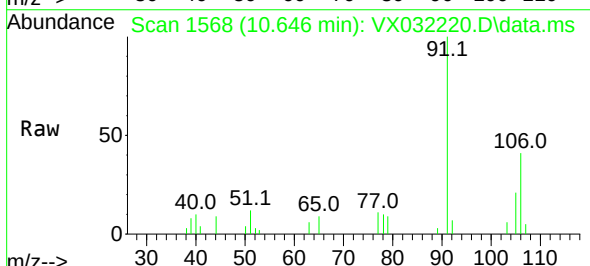
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

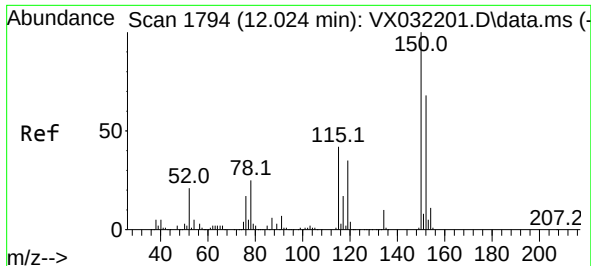
Tgt Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 217.8 162.6 244.0



#69
o-Xylene
Concen: 0.488 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion:106 Resp: 1310
Ion Ratio Lower Upper
106 100
91 236.9 108.3 324.9

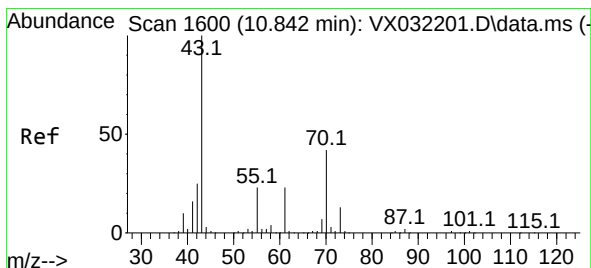
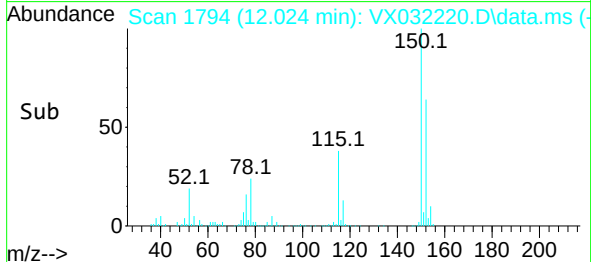
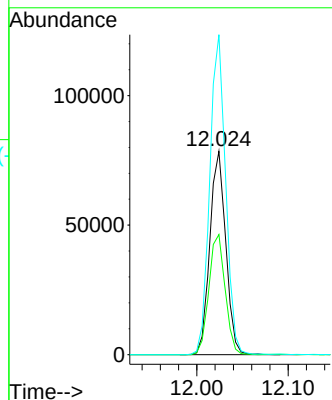
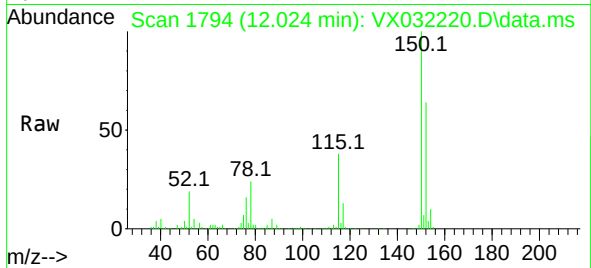




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

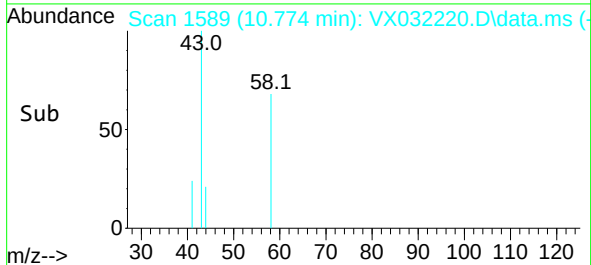
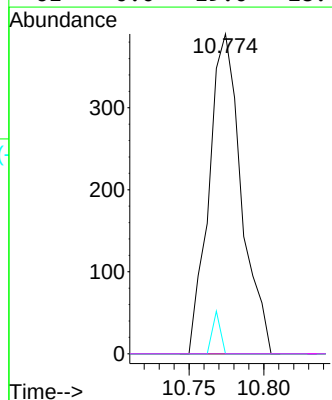
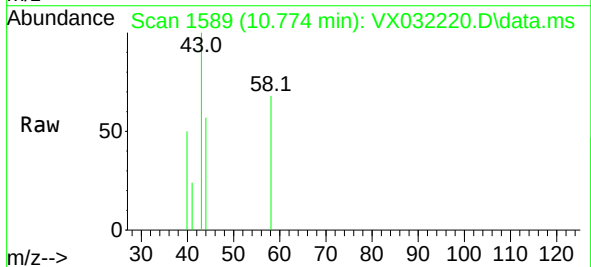
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

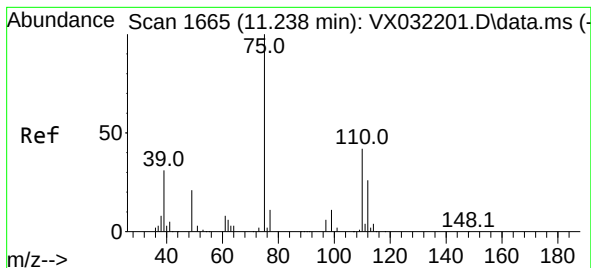
Tgt Ion:152 Resp: 95010
Ion Ratio Lower Upper
152 100
115 60.3 43.1 129.4
150 156.3 0.0 348.6



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.068 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
70 0.0 33.9 50.9#
55 3.2 19.1 28.7#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 28.085 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX032220.D

Acq: 19 Oct 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

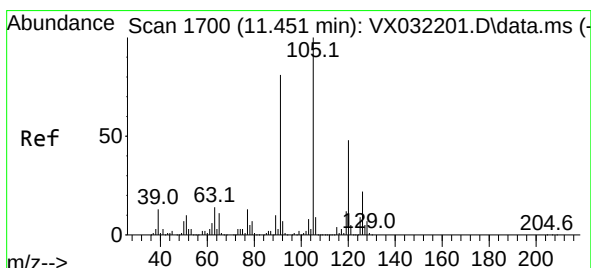
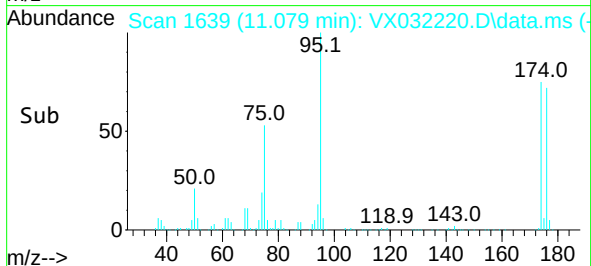
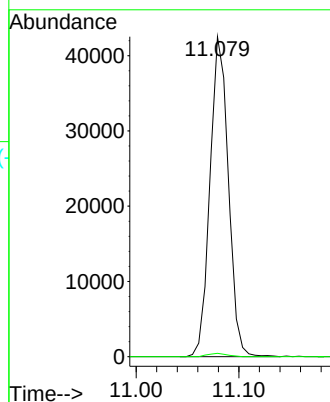
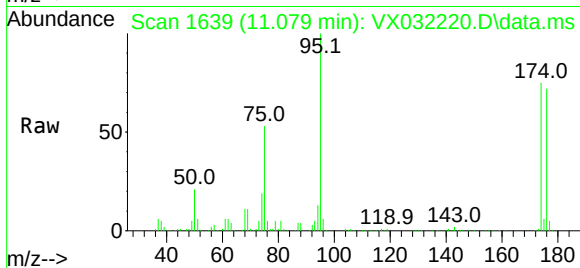
TRE-1665

Tgt Ion: 75 Resp: 52872

Ion Ratio Lower Upper

75 100

77 1.1 16.0 47.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.253 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX032220.D

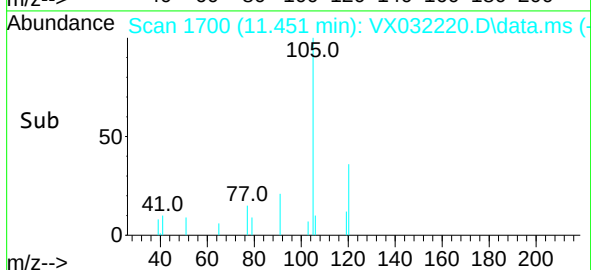
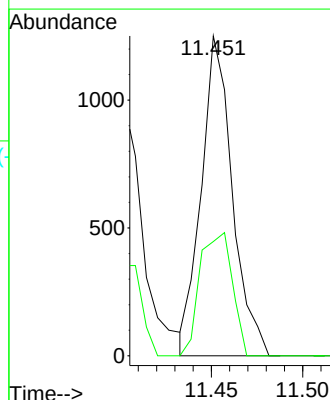
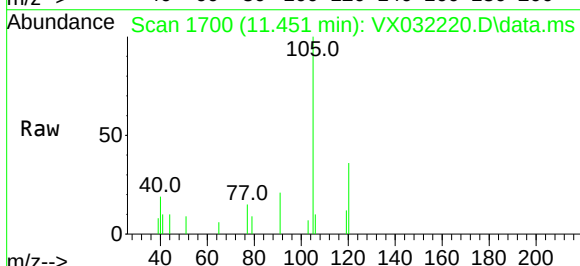
Acq: 19 Oct 2022 20:05

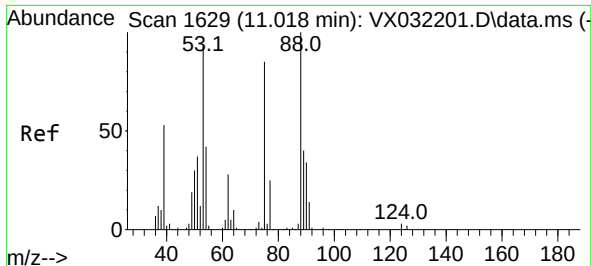
Tgt Ion:105 Resp: 1479

Ion Ratio Lower Upper

105 100

120 40.1 23.5 70.6

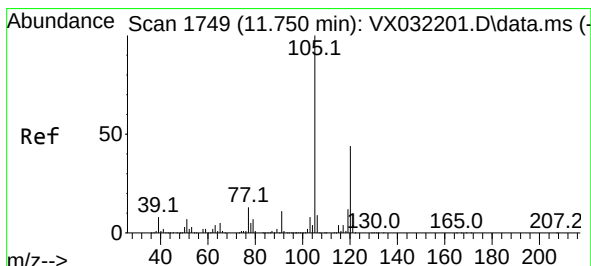
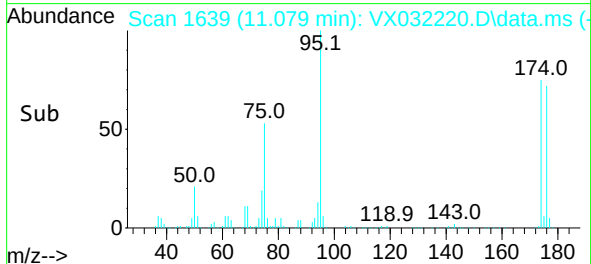
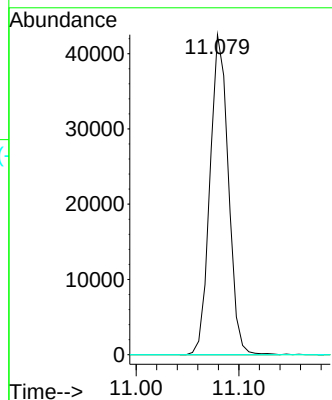
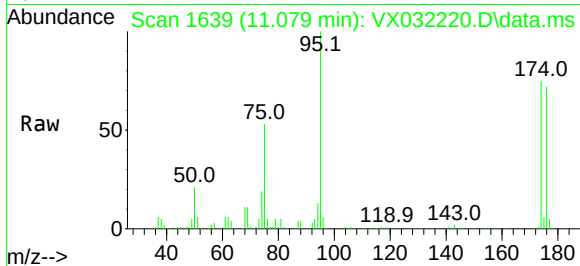




#81
trans-1,4-Dichloro-2-butene
Concen: 86.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

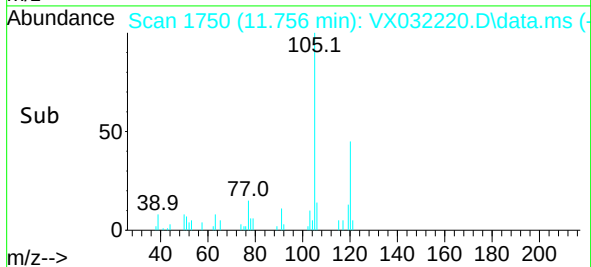
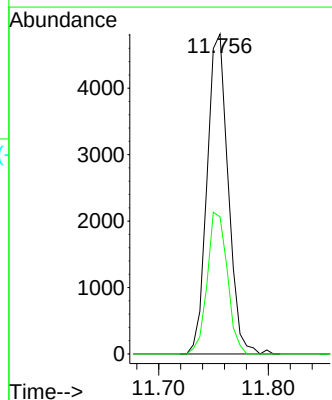
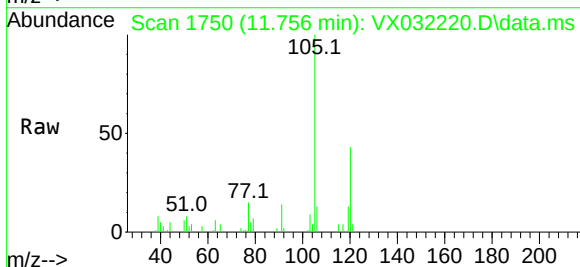
Instrument :
MSVOA_X
ClientSampleId :
TRE-1665

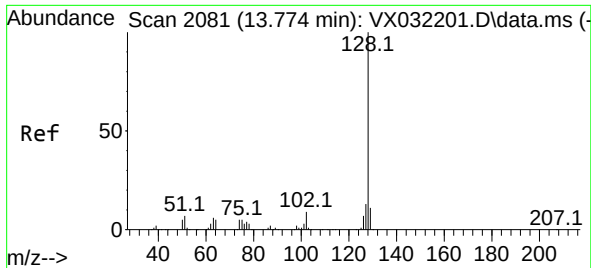
Tgt Ion: 75 Resp: 52872
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.125 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032220.D
Acq: 19 Oct 2022 20:05

Tgt Ion: 105 Resp: 6407
Ion Ratio Lower Upper
105 100
120 42.2 22.1 66.1





#95

Naphthalene

Concen: 0.405 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX032220.D

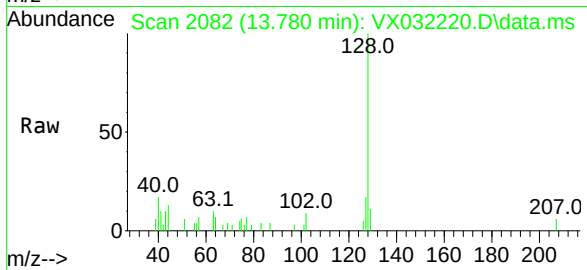
Acq: 19 Oct 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

TRE-1665



Tgt Ion:128 Resp: 2654

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 11.9 8.7 13.1

