

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032218.D
 Acq On : 19 Oct 2022 19:18
 Operator : JC/MD
 Sample : N5170-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1663

Quant Time: Oct 20 04:30:09 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)

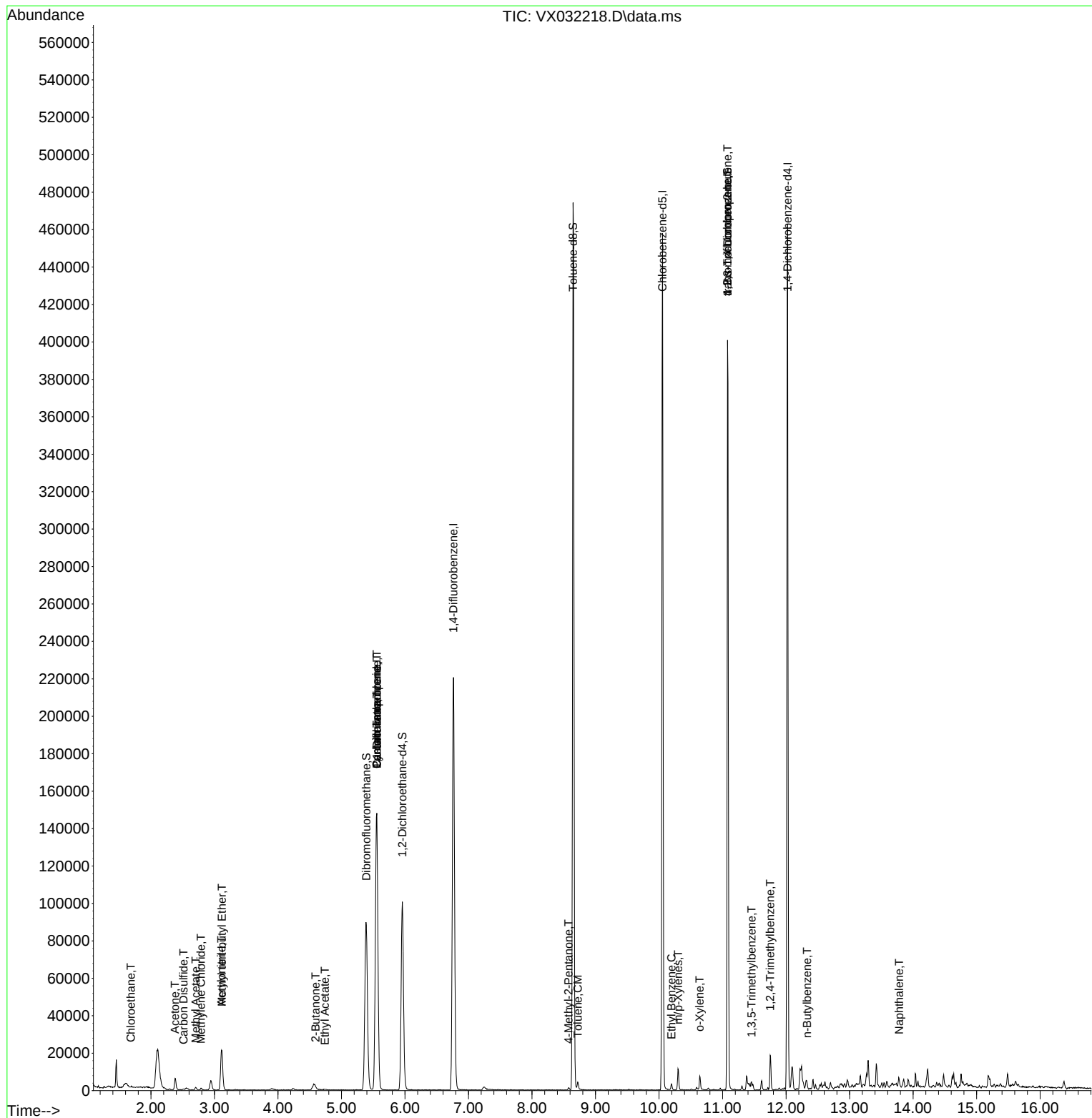
Internal Standards						
1) Pentafluorobenzene	5.556	168	140214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98184	53.828	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.660%	
35) Dibromofluoromethane	5.391	113	76404	49.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.560%	
50) Toluene-d8	8.647	98	283212	50.742	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	11.079	95	103303	50.544	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	102	Below Cal	#	44
6) Chloroethane	1.685	64	93	2.017	ug/l #	41
11) Tert butyl alcohol	2.946	59	3047	Below Cal	#	74
15) Acrylonitrile	3.111	53	178	0.260	ug/l #	10
16) Acetone	2.380	43	7097	11.989	ug/l	98
17) Carbon Disulfide	2.514	76	590	0.201	ug/l #	74
18) Methyl Acetate	2.703	43	1709	0.850	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	23772	5.512	ug/l	97
20) Methylene Chloride	2.788	84	426	0.280	ug/l #	84
25) 2-Butanone	4.593	43	838	0.907	ug/l #	48
31) Cyclohexane	5.556	56	3018	1.447	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	10783	5.406	ug/l #	50
37) Ethyl Acetate	4.739	43	774	0.396	ug/l #	75
38) Carbon Tetrachloride	5.556	117	14313	6.798	ug/l #	17
51) 4-Methyl-2-Pentanone	8.574	43	758	0.395	ug/l	95
52) Toluene	8.720	92	1393	0.372	ug/l	95
67) Ethyl Benzene	10.195	91	2165	0.301	ug/l	91
68) m/p-Xylenes	10.299	106	2623	0.923	ug/l	97
69) o-Xylene	10.640	106	1767	0.649	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	55430	29.334	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.457	105	1938	0.330	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	55430	89.829	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	8107	1.419	ug/l	97
89) n-Butylbenzene	12.329	91	1086	0.204	ug/l #	59
95) Naphthalene	13.780	128	3260	0.496	ug/l	98

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

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Instrument :
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ClientSampleId :
TRE-1663

Quant Time: Oct 20 04:30:09 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

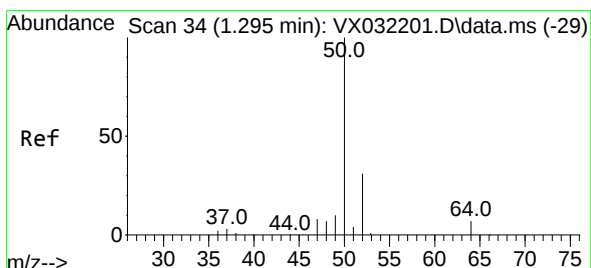
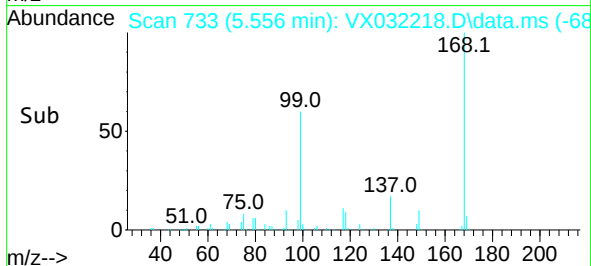
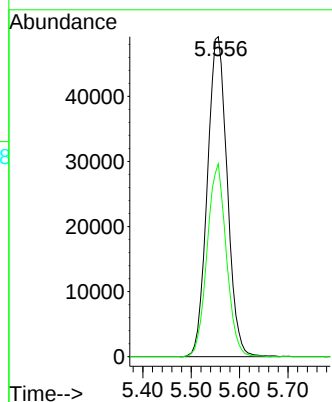
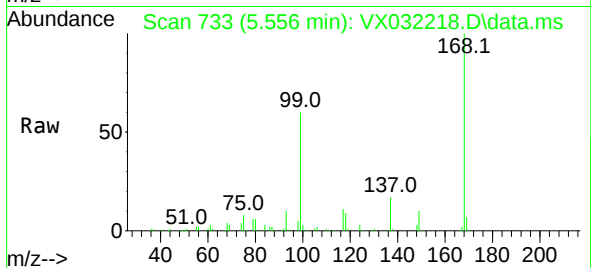




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

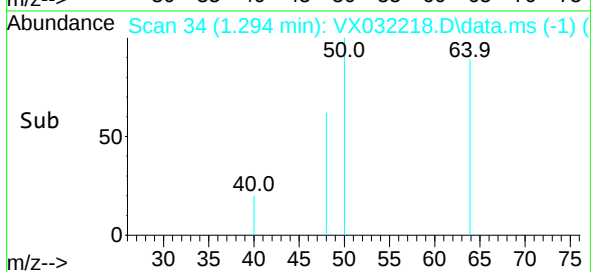
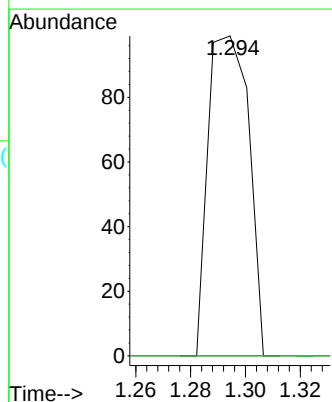
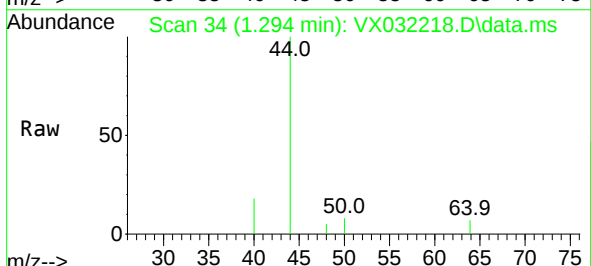
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

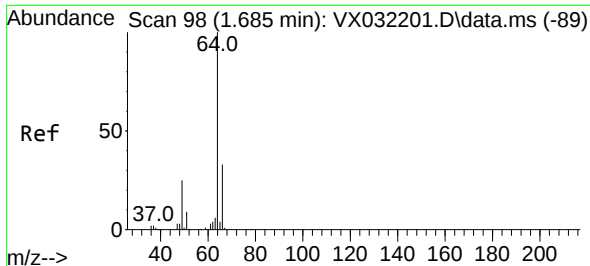
Tgt Ion:168 Resp: 140214
Ion Ratio Lower Upper
168 100
99 60.3 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

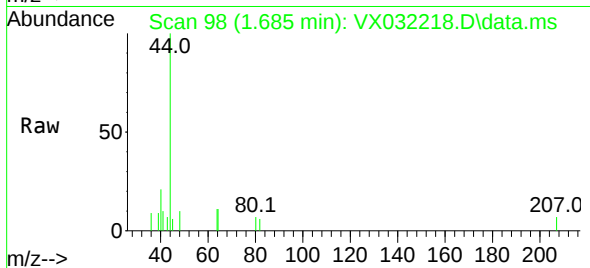
Tgt Ion: 50 Resp: 102
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



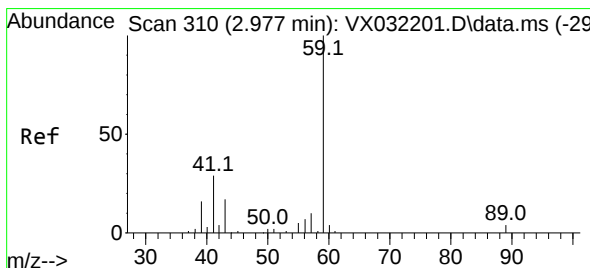
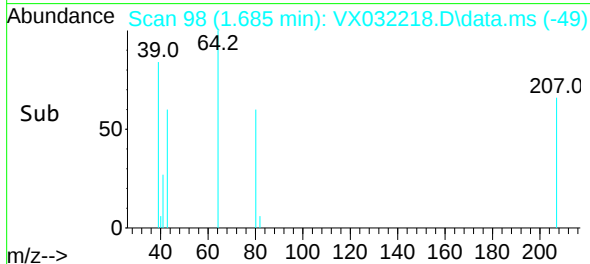
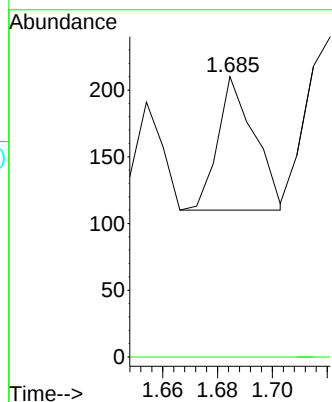


#6
Chloroethane
Concen: 2.017 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

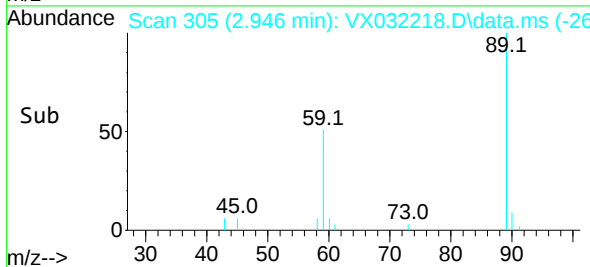
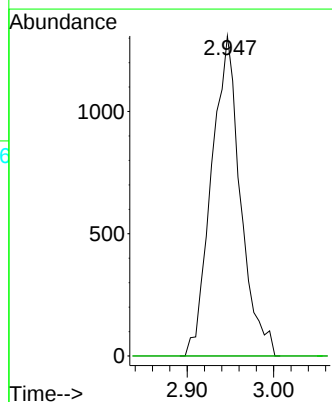
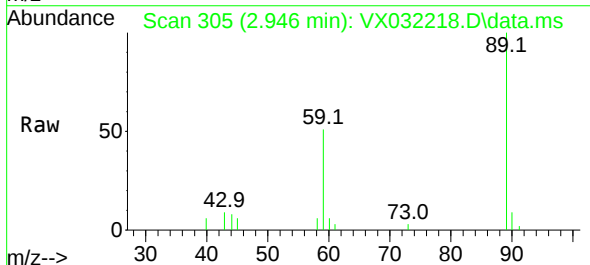


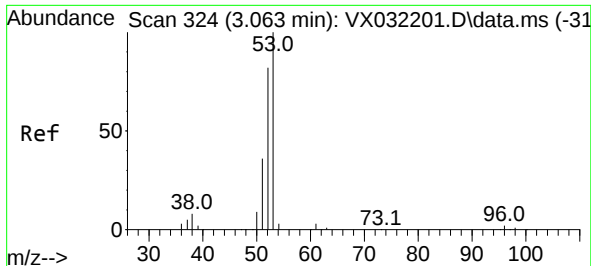
Tgt Ion: 64 Resp: 93
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 59 Resp: 3047
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

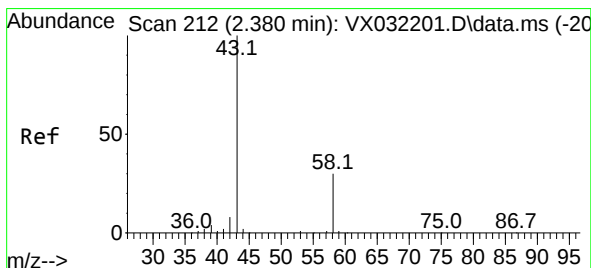
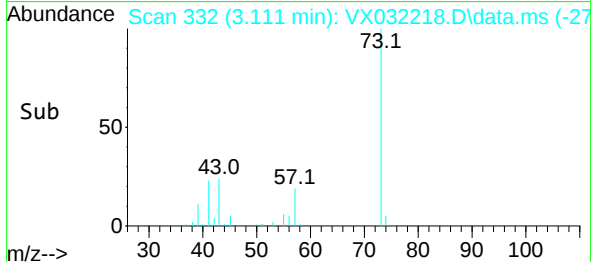
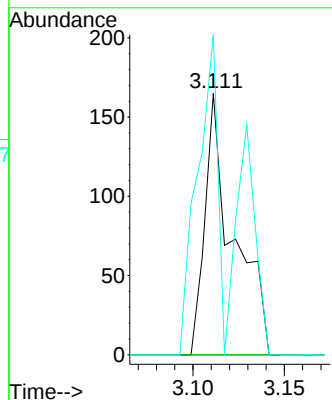
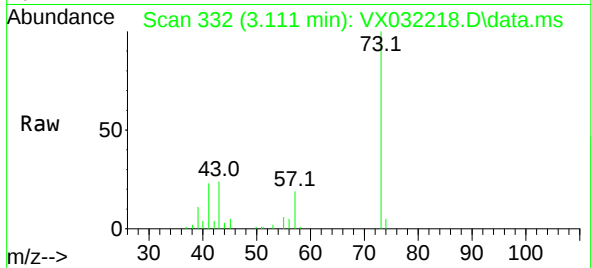




#15
Acrylonitrile
Concen: 0.260 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.048 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

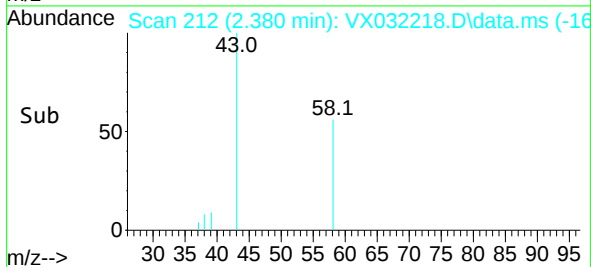
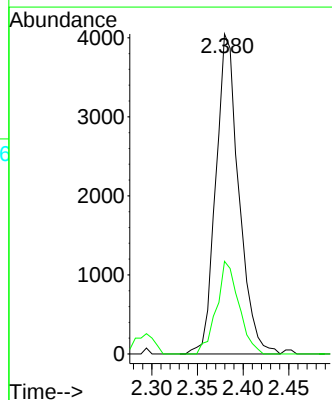
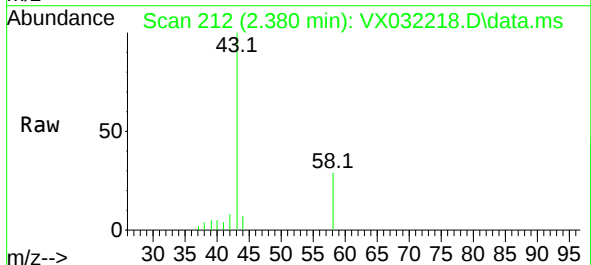
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

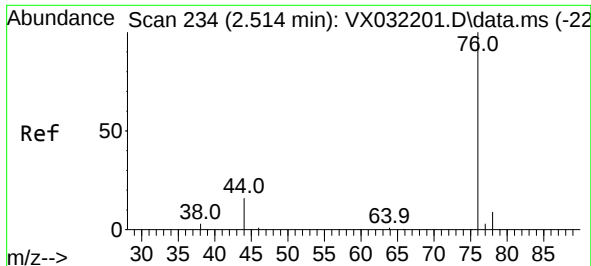
Tgt Ion: 53 Resp: 178
Ion Ratio Lower Upper
53 100
52 0.0 65.9 98.9#
51 87.6 29.7 44.5#



#16
Acetone
Concen: 11.989 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 43 Resp: 7097
Ion Ratio Lower Upper
43 100
58 29.0 24.2 36.2

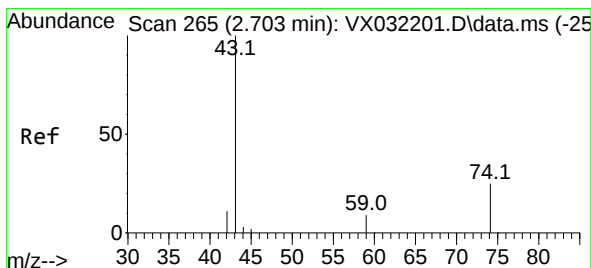
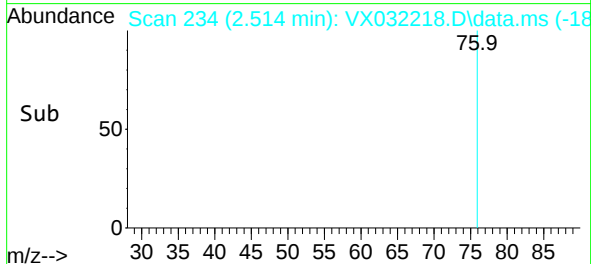
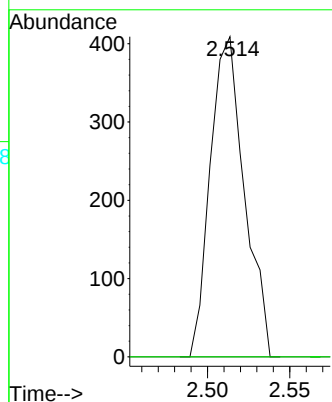
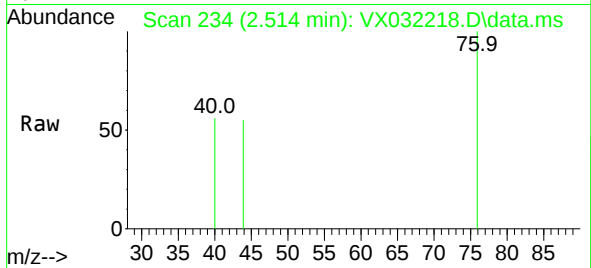




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

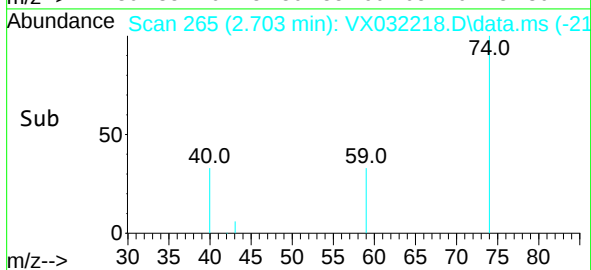
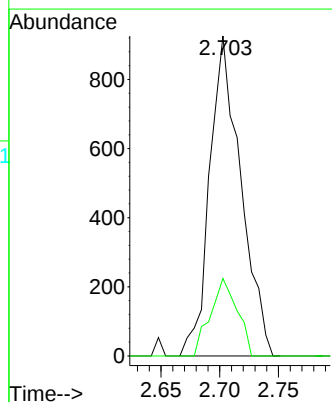
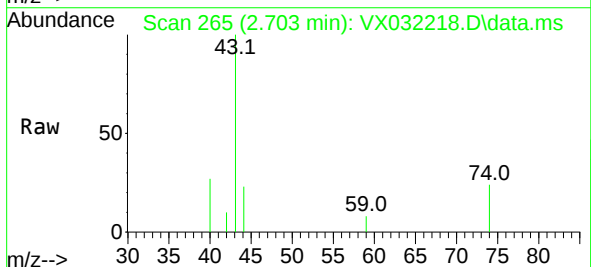
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

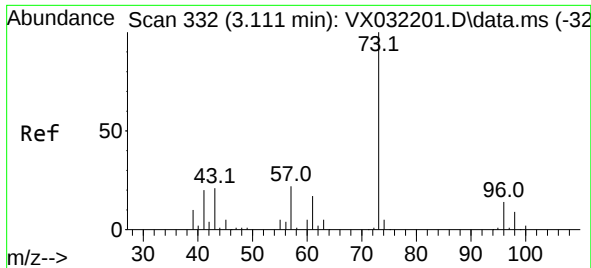
Tgt Ion: 76 Resp: 590
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
74 20.8 19.8 29.8

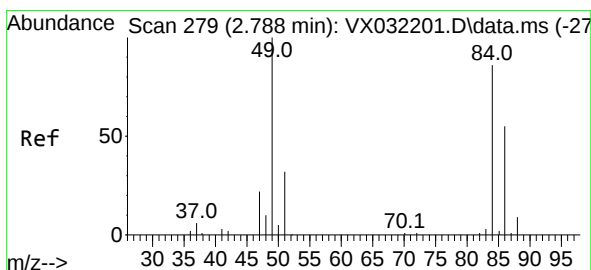
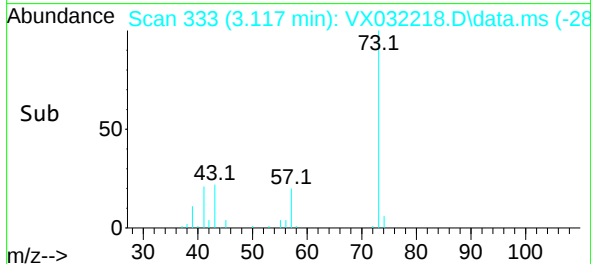
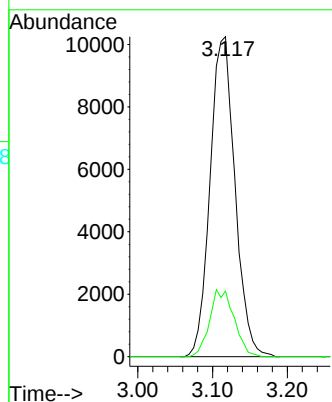
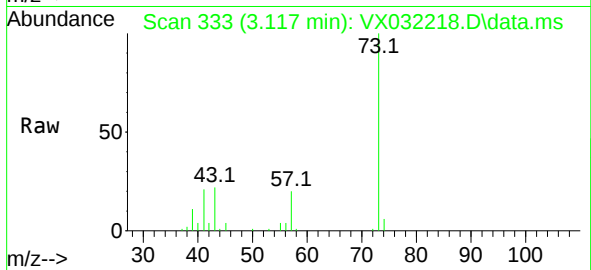




#19
Methyl tert-butyl Ether
Concen: 5.512 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

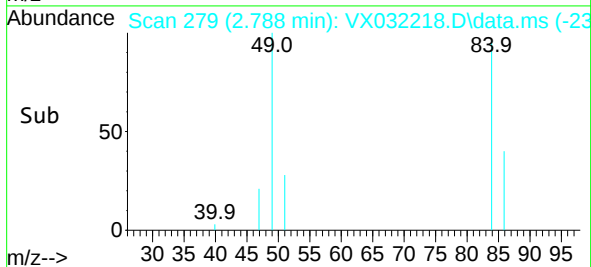
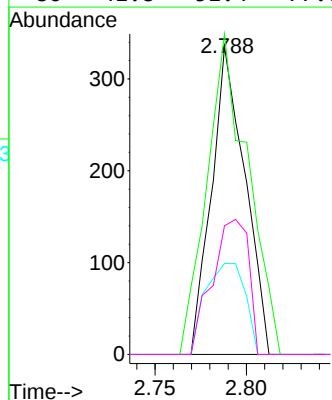
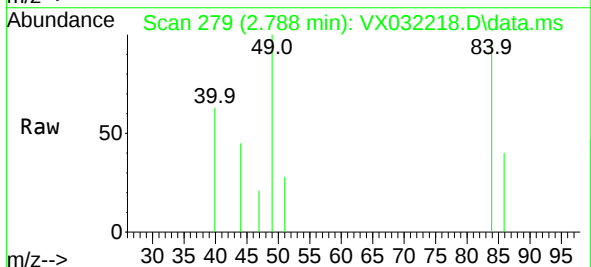
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MSVOA_X
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TRE-1663

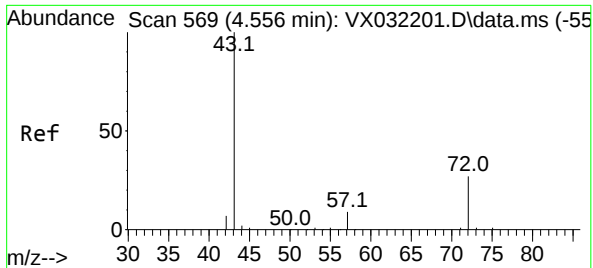
Tgt Ion: 73 Resp: 23772
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.2



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 84 Resp: 426
Ion Ratio Lower Upper
84 100
49 104.2 92.6 139.0
51 29.6 29.2 43.8
86 41.8 51.4 77.0#

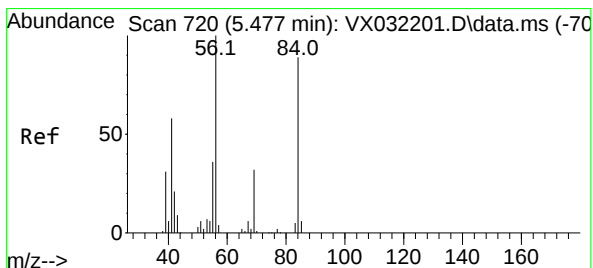
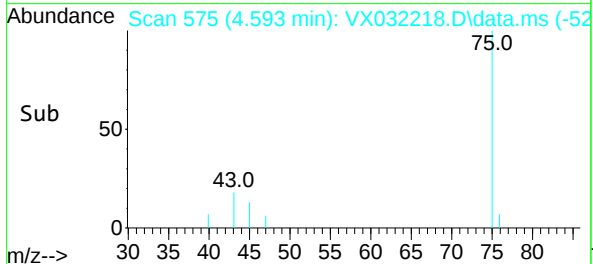
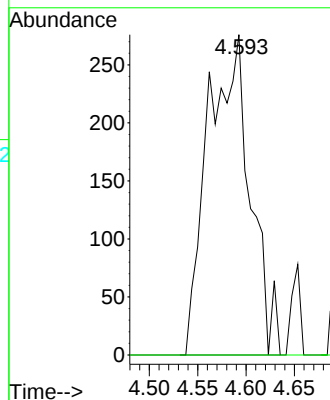
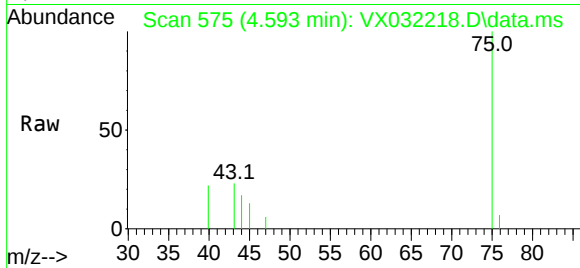




#25
2-Butanone
Concen: 0.907 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

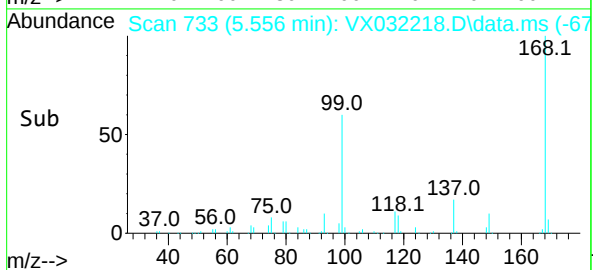
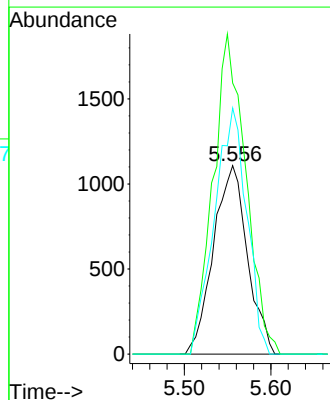
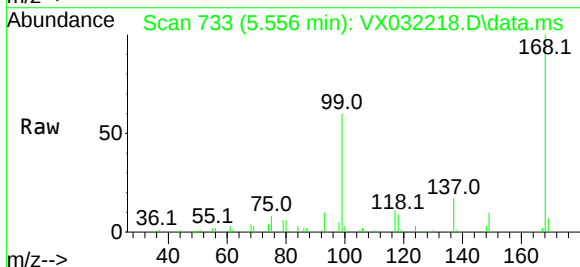
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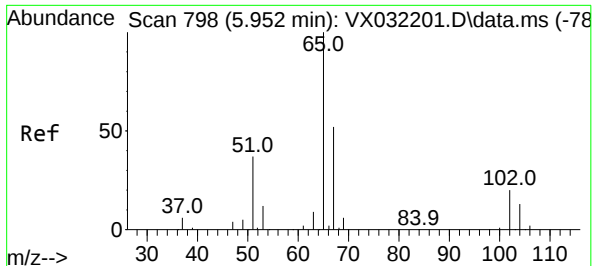
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.447 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 56 Resp: 3018
Ion Ratio Lower Upper
56 100
69 143.8 25.4 38.0#
84 130.5 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 53.828 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032218.D

Acq: 19 Oct 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

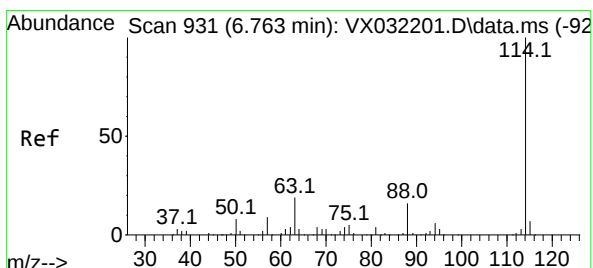
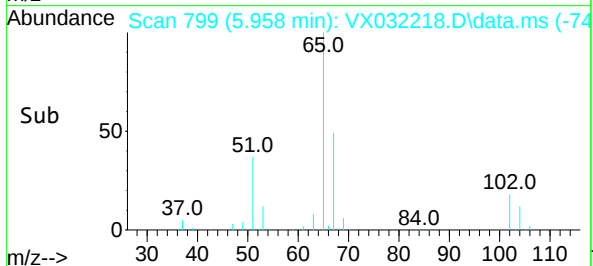
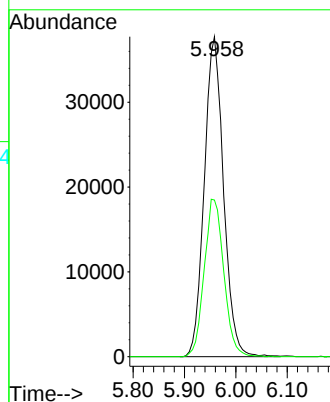
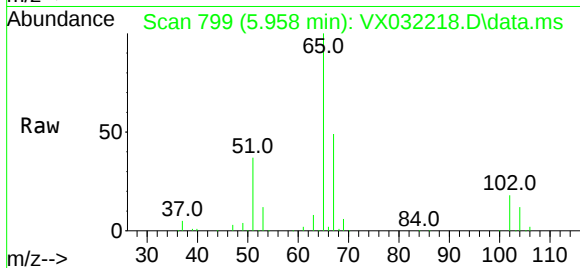
TRE-1663

Tgt Ion: 65 Resp: 98184

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# 931

Delta R.T. -0.000 min

Lab File: VX032218.D

Acq: 19 Oct 2022 19:18

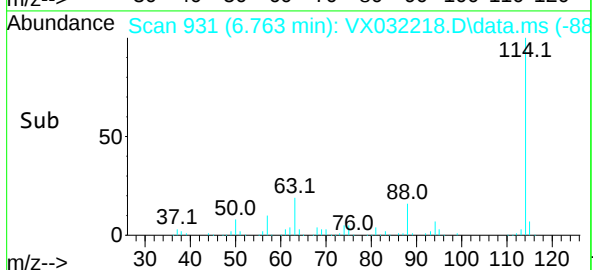
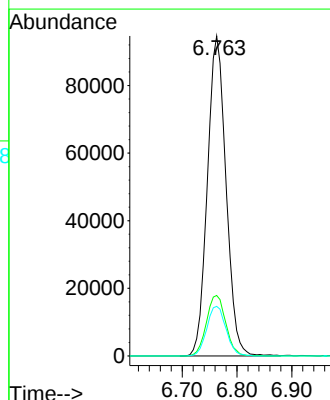
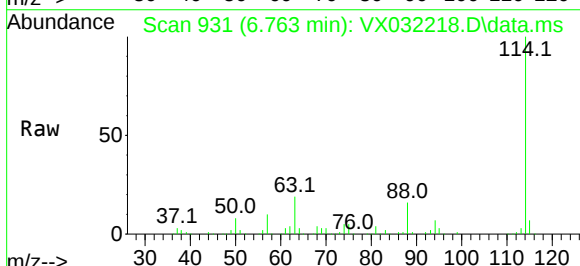
Tgt Ion: 114 Resp: 222818

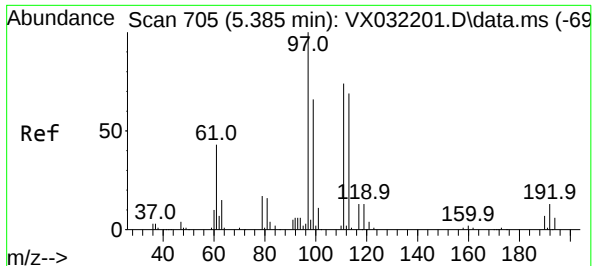
Ion Ratio Lower Upper

114 100

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88 15.5 0.0 32.6

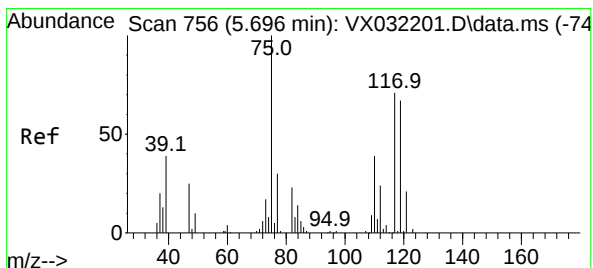
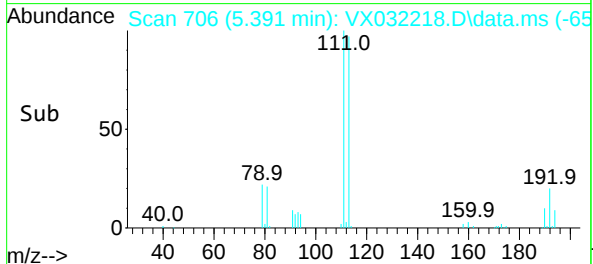
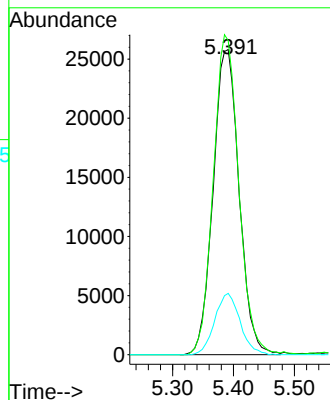
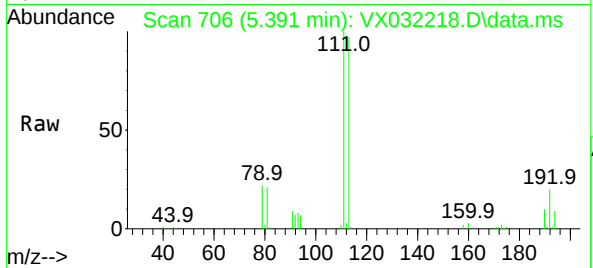




#35
Dibromofluoromethane
Concen: 49.276 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

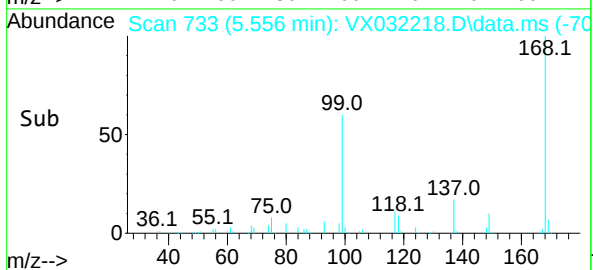
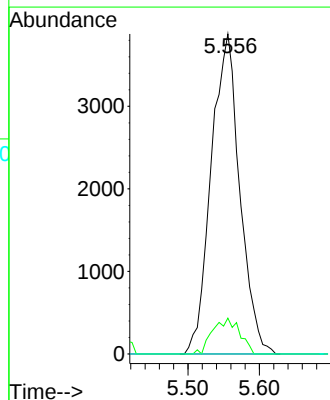
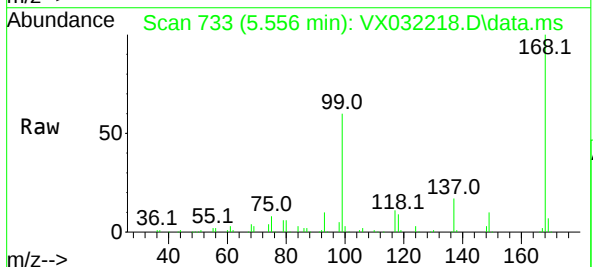
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

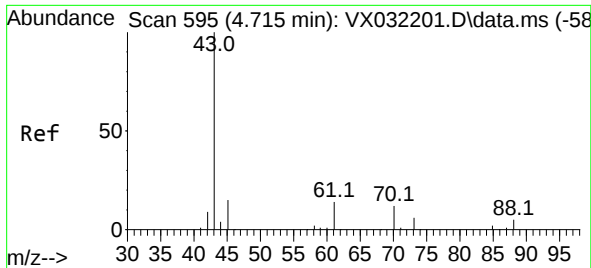
Tgt Ion:113 Resp: 76404
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 19.6 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.406 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 75 Resp: 10783
Ion Ratio Lower Upper
75 100
110 10.6 18.4 55.0#
77 0.0 24.7 37.1#

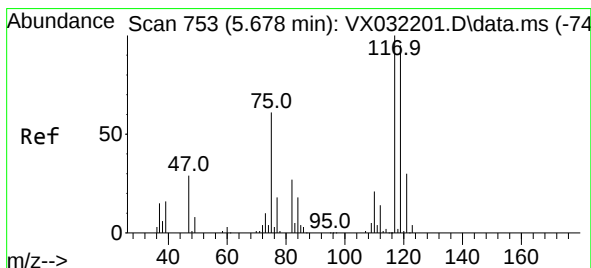
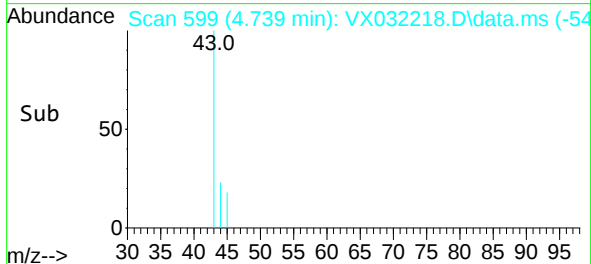
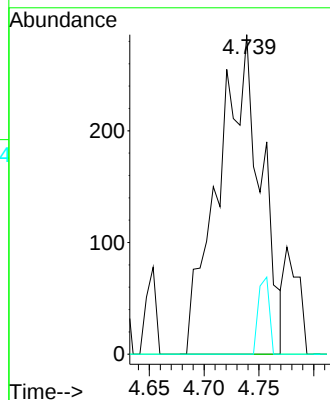
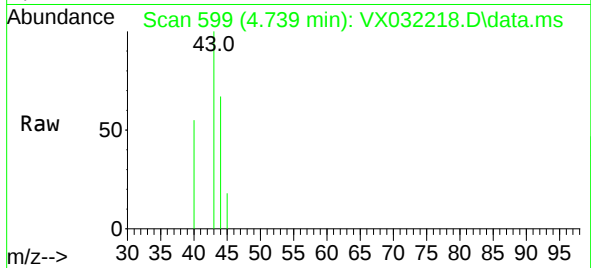




#37
Ethyl Acetate
Concen: 0.396 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

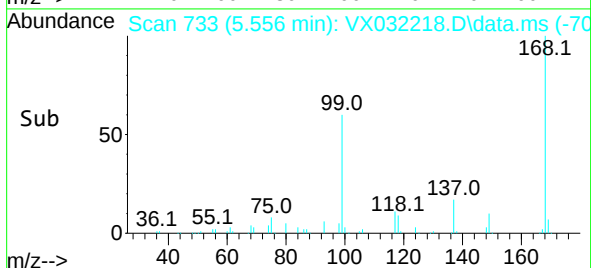
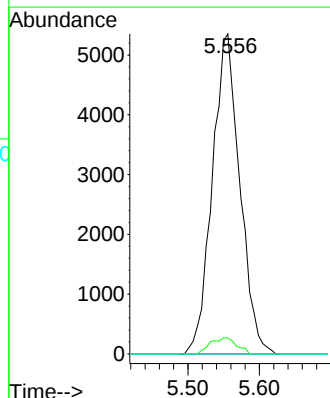
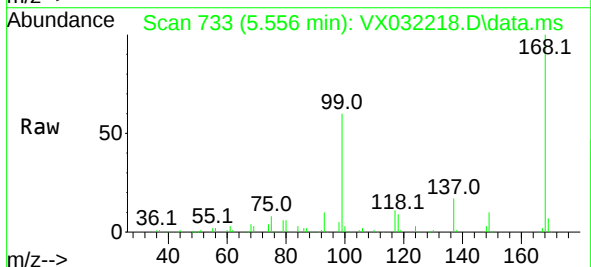
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

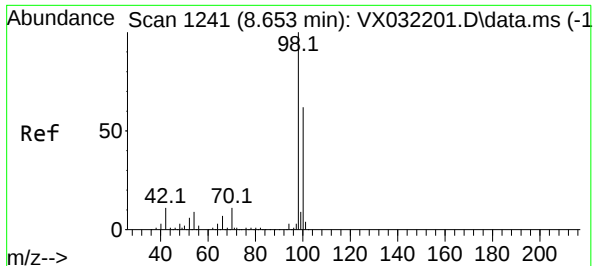
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 6.2 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.798 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 117 Resp: 14313
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.0#
121 0.0 23.9 35.9#

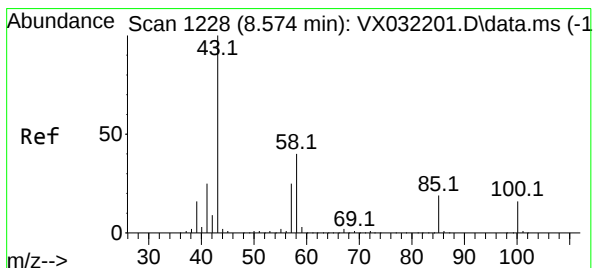
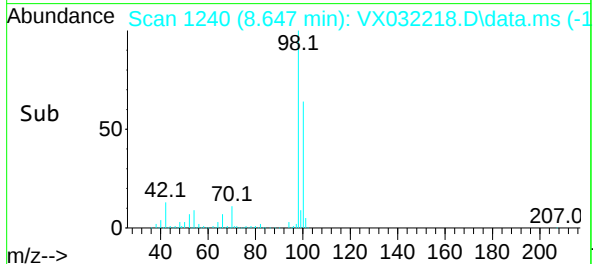
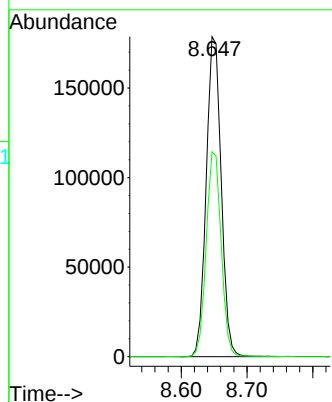
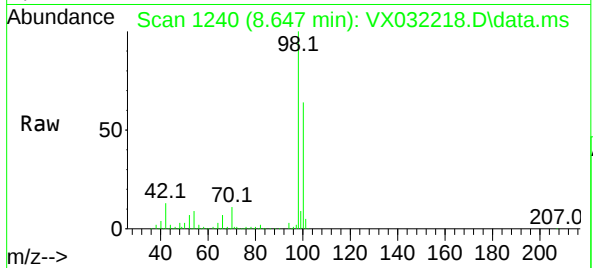




#50
Toluene-d8
Concen: 50.742 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

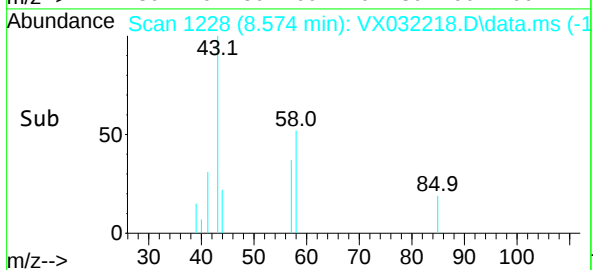
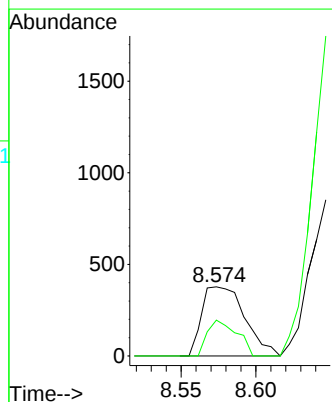
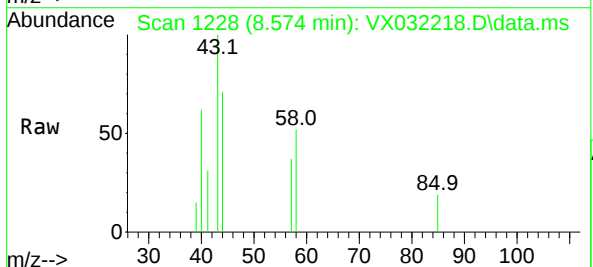
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

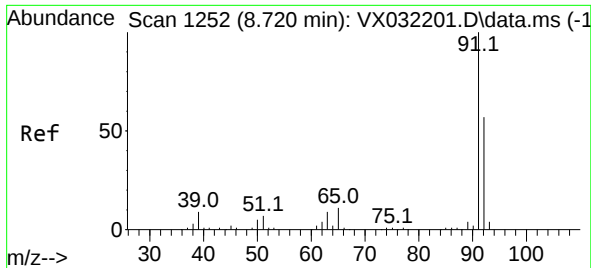
Tgt Ion: 98 Resp: 283212
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.395 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 35.5 31.0 46.4

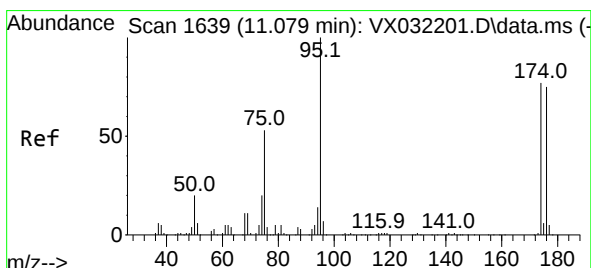
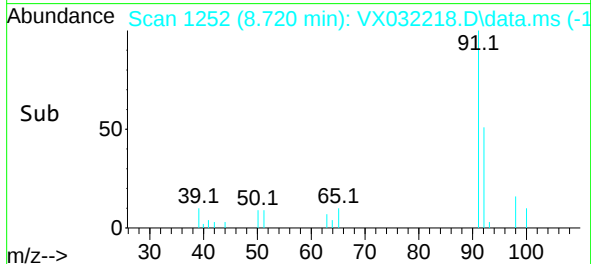
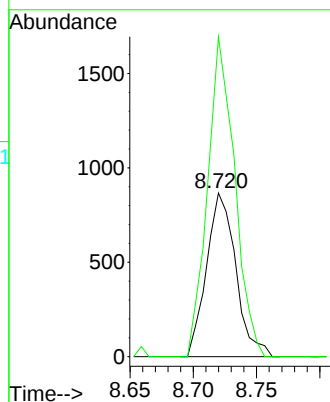
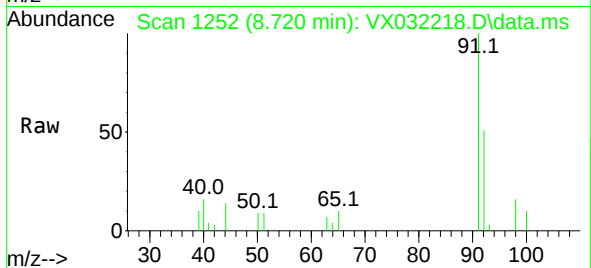




#52
Toluene
Concen: 0.372 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

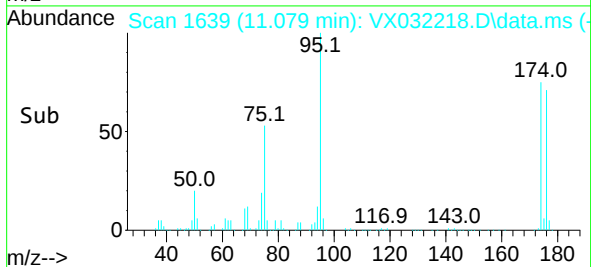
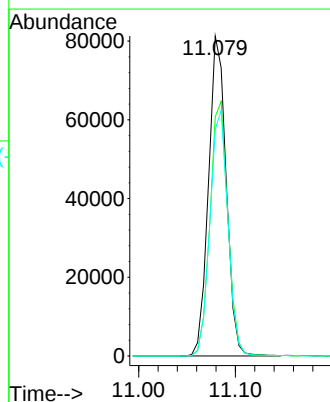
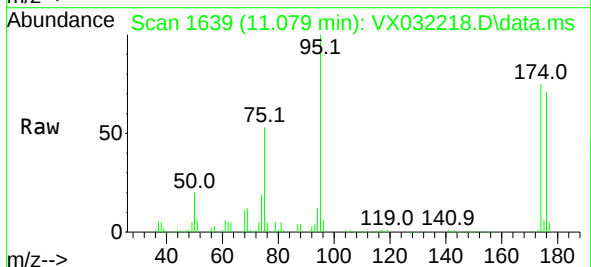
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

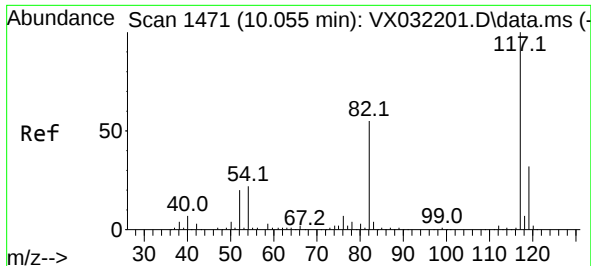
Tgt Ion: 92 Resp: 1393
Ion Ratio Lower Upper
92 100
91 182.1 140.3 210.5



#62
4-Bromofluorobenzene
Concen: 50.544 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 95 Resp: 103303
Ion Ratio Lower Upper
95 100
174 80.4 0.0 166.8
176 78.2 0.0 161.4

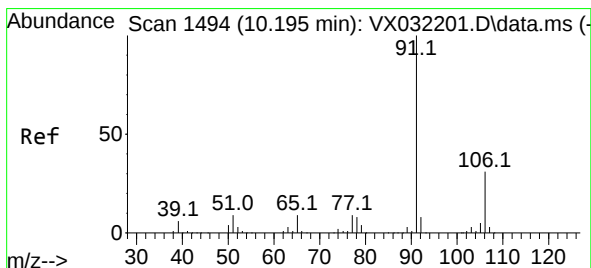
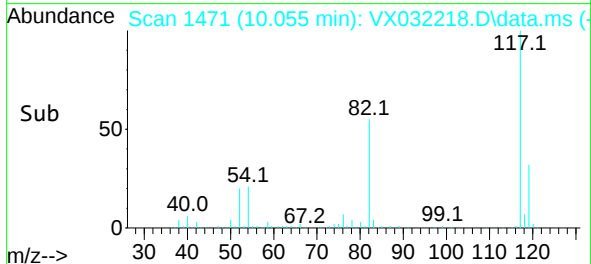
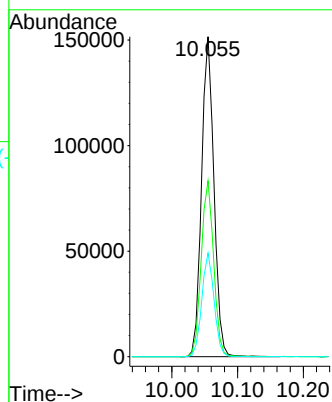
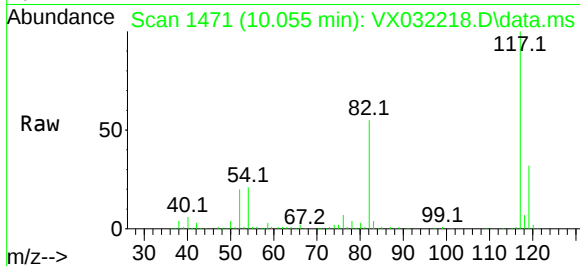




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

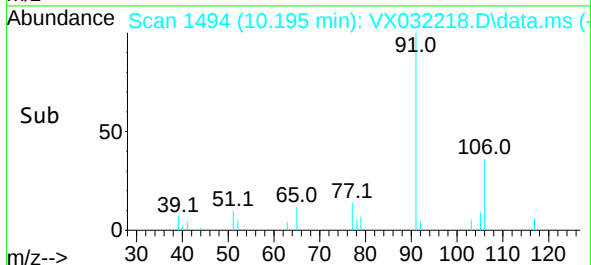
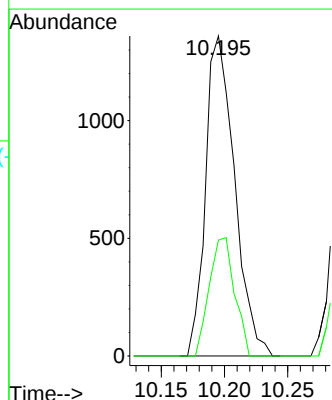
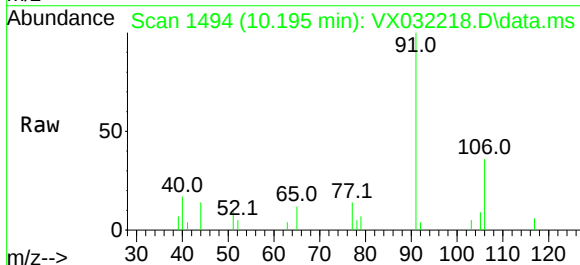
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

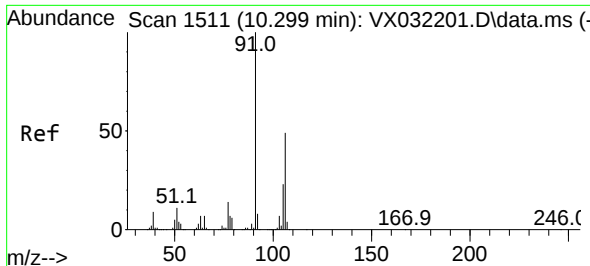
Tgt Ion:117 Resp: 198250
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.4
119 32.4 25.8 38.8



#67
Ethyl Benzene
Concen: 0.301 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 91 Resp: 2165
Ion Ratio Lower Upper
91 100
106 36.2 25.0 37.4

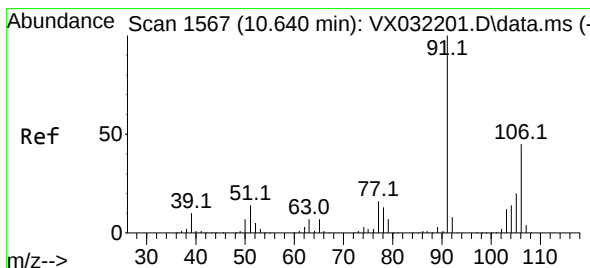
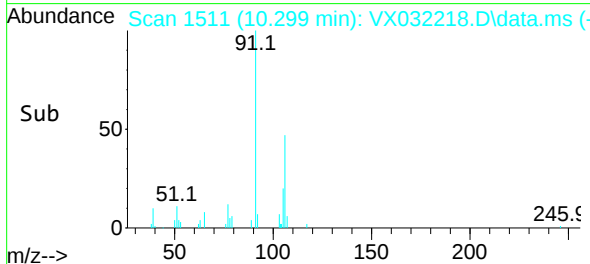
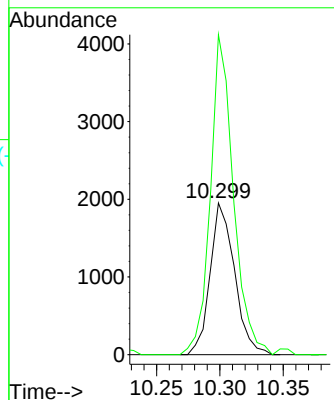
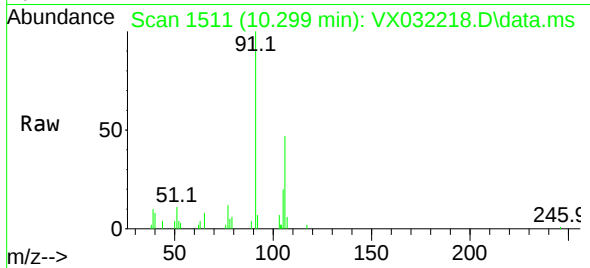




#68
m/p-Xylenes
Concen: 0.923 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

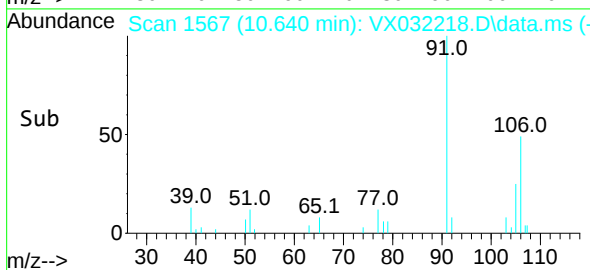
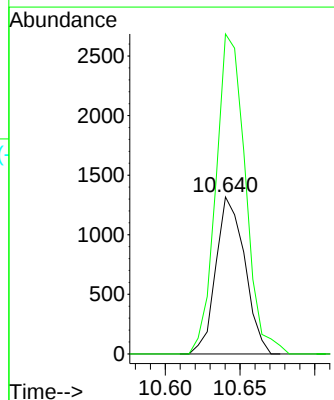
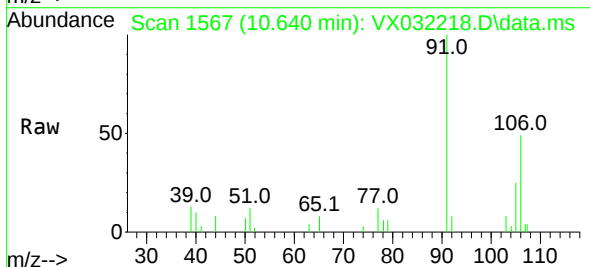
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

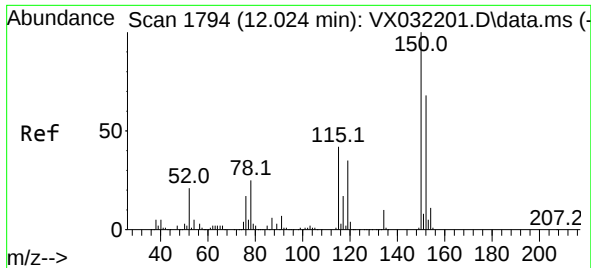
Tgt Ion:106 Resp: 2623
Ion Ratio Lower Upper
106 100
91 199.0 162.6 244.0



#69
o-Xylene
Concen: 0.649 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion:106 Resp: 1767
Ion Ratio Lower Upper
106 100
91 207.9 108.3 324.9

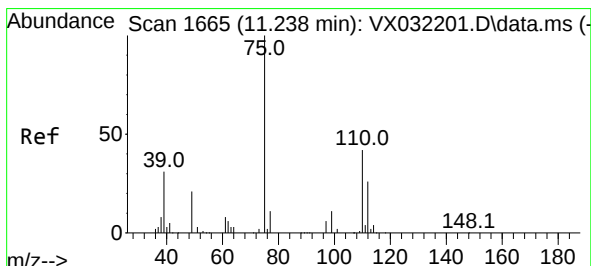
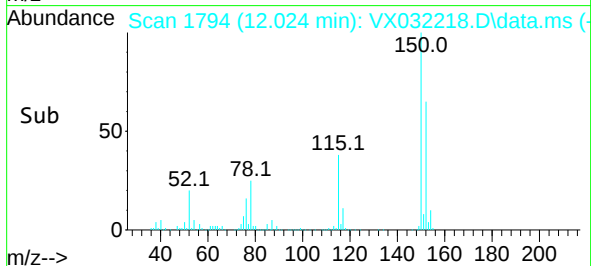
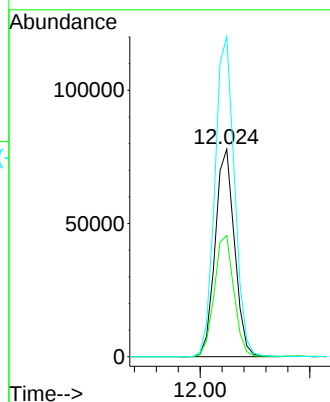
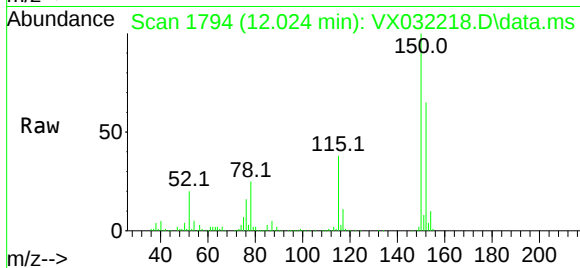




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032218.D
 Acq: 19 Oct 2022 19:18

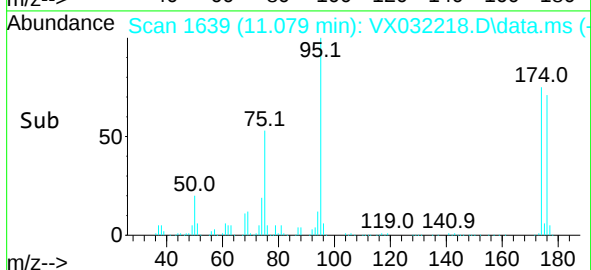
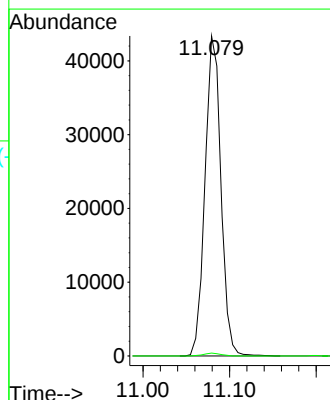
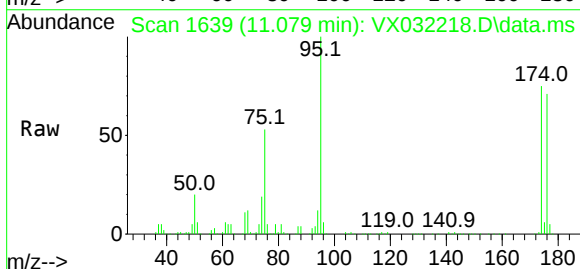
Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1663

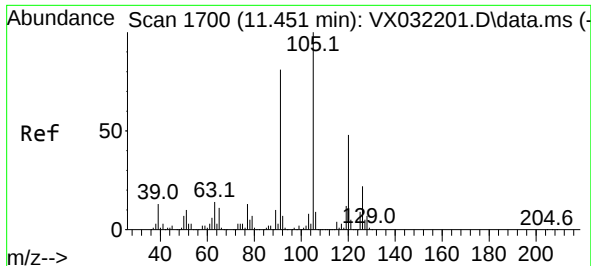
Tgt Ion:152 Resp: 95366
 Ion Ratio Lower Upper
 152 100
 115 59.5 43.1 129.4
 150 156.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 29.334 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX032218.D
 Acq: 19 Oct 2022 19:18

Tgt Ion: 75 Resp: 55430
 Ion Ratio Lower Upper
 75 100
 77 0.9 16.0 47.9#

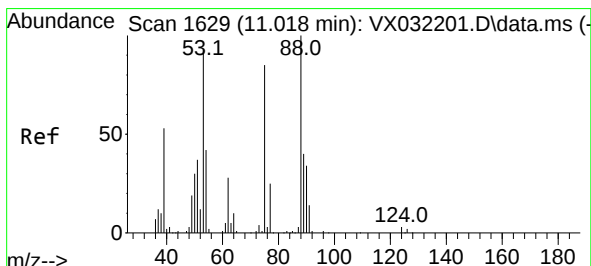
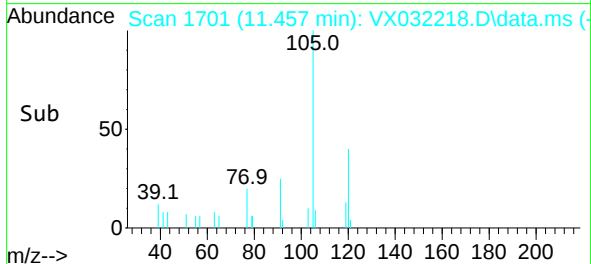
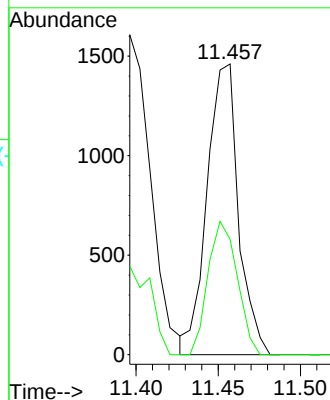
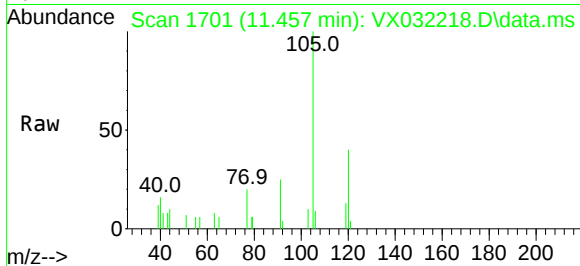




#80
1,3,5-Trimethylbenzene
Concen: 0.330 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

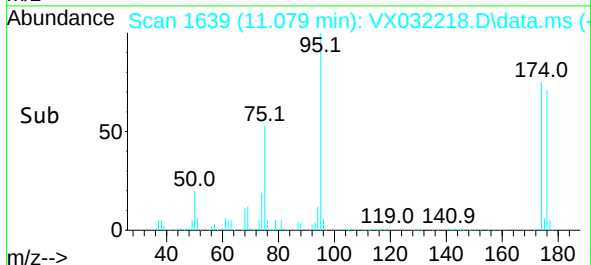
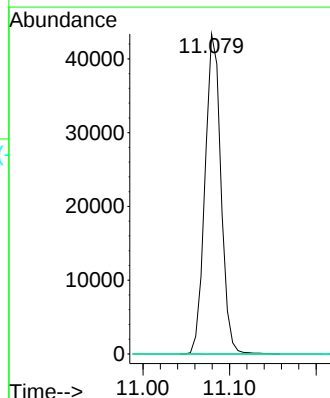
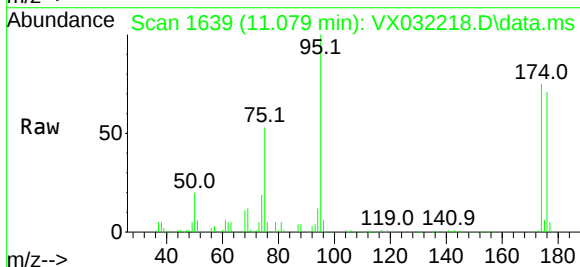
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

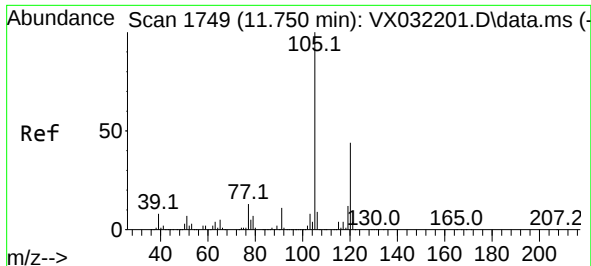
Tgt Ion:105 Resp: 1938
Ion Ratio Lower Upper
105 100
120 42.8 23.5 70.6



#81
trans-1,4-Dichloro-2-butene
Concen: 89.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 75 Resp: 55430
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

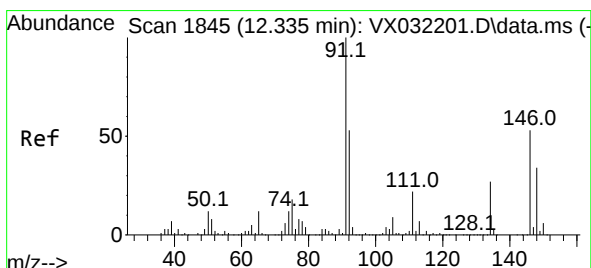
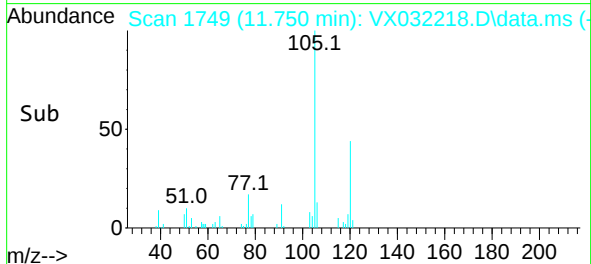
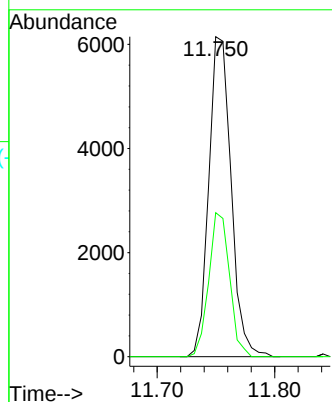
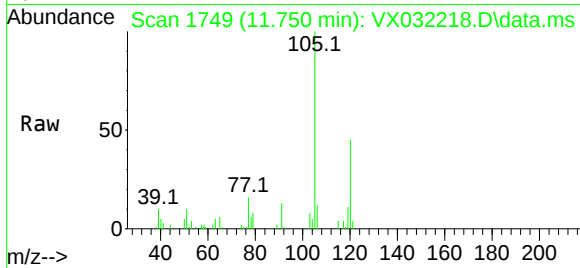




#84
1,2,4-Trimethylbenzene
Concen: 1.419 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

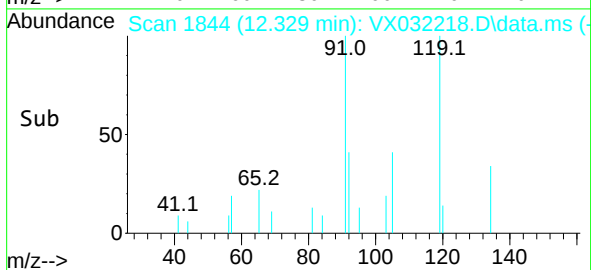
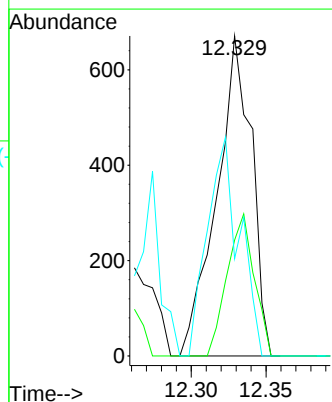
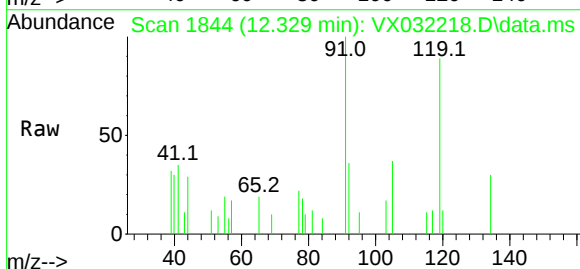
Instrument :
MSVOA_X
ClientSampleId :
TRE-1663

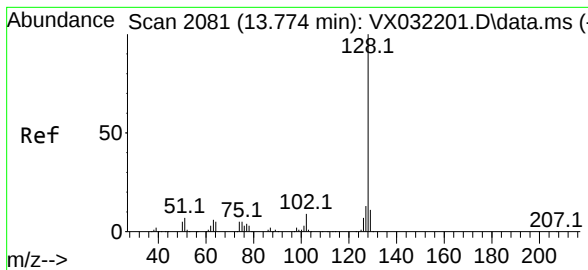
Tgt Ion:105 Resp: 8107
Ion Ratio Lower Upper
105 100
120 42.0 22.1 66.1



#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032218.D
Acq: 19 Oct 2022 19:18

Tgt Ion: 91 Resp: 1086
Ion Ratio Lower Upper
91 100
92 34.7 26.3 78.9
134 63.2 13.0 39.0#





#95

Naphthalene

Concen: 0.496 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX032218.D

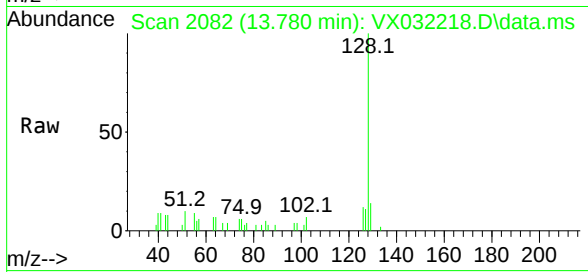
Acq: 19 Oct 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

TRE-1663



Tgt Ion:128 Resp: 3260

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 12.2 8.7 13.1

