

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032222.D
 Acq On : 19 Oct 2022 20:51
 Operator : JC/MD
 Sample : N5170-09 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1667

Quant Time: Oct 20 04:32:08 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)

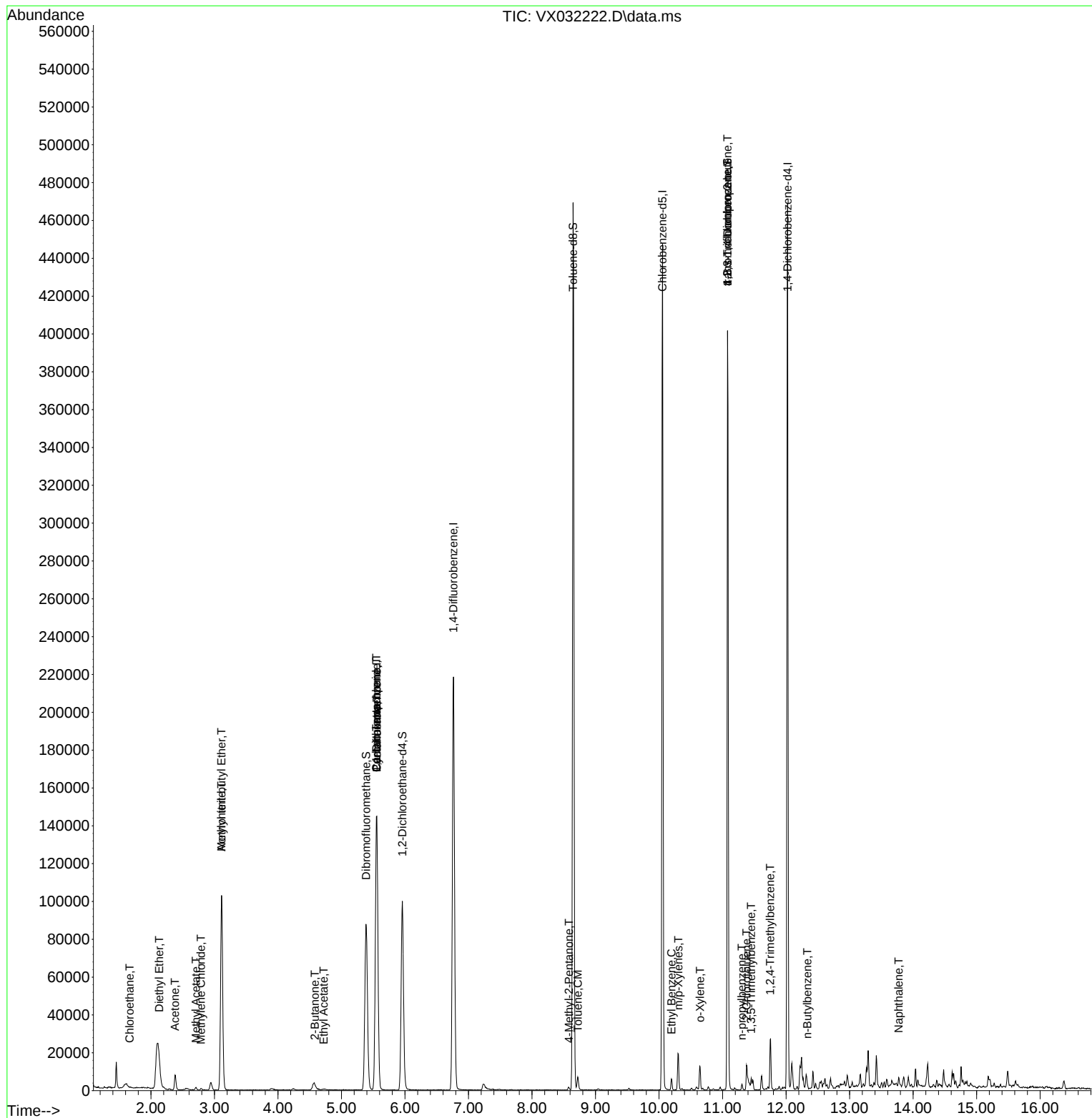
Internal Standards						
1) Pentafluorobenzene	5.556	168	137353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98373	55.055	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.100%			
35) Dibromofluoromethane	5.385	113	75706	49.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	8.647	98	276801	50.163	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	100706	49.839	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	27	Below Cal	#	44
6) Chloroethane	1.666	64	20	1.967	ug/l #	41
8) Diethyl Ether	2.130	74	535	0.654	ug/l #	4
11) Tert butyl alcohol	2.941	59	2675	Below Cal	#	74
15) Acrylonitrile	3.111	53	1284	1.916	ug/l #	21
16) Acetone	2.380	43	8907	15.361	ug/l	98
18) Methyl Acetate	2.709	43	1628	0.827	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	110871	26.244	ug/l	98
20) Methylene Chloride	2.788	84	347	0.233	ug/l #	95
25) 2-Butanone	4.580	43	756	0.835	ug/l #	88
31) Cyclohexane	5.556	56	2995	1.466	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	11046	5.602	ug/l #	49
37) Ethyl Acetate	4.721	43	1279	0.662	ug/l #	73
38) Carbon Tetrachloride	5.550	117	14295	6.867	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	1008	0.531	ug/l	97
52) Toluene	8.720	92	2634	0.711	ug/l	93
67) Ethyl Benzene	10.195	91	3530	0.503	ug/l	96
68) m/p-Xylenes	10.305	106	4513	1.627	ug/l	95
69) o-Xylene	10.646	106	2747	1.034	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	53887	29.070	ug/l #	45
78) n-propylbenzene	11.305	91	2145	0.281	ug/l	99
79) 2-Chlorotoluene	11.378	91	1209	0.262	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2473	0.429	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	53887	89.046	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	12355	2.204	ug/l	98
89) n-Butylbenzene	12.335	91	1342	0.257	ug/l #	46
95) Naphthalene	13.774	128	2976	0.462	ug/l #	93

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

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Instrument :
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TRE-1667

Quant Time: Oct 20 04:32:08 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

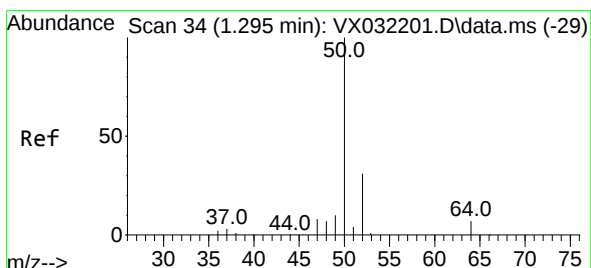
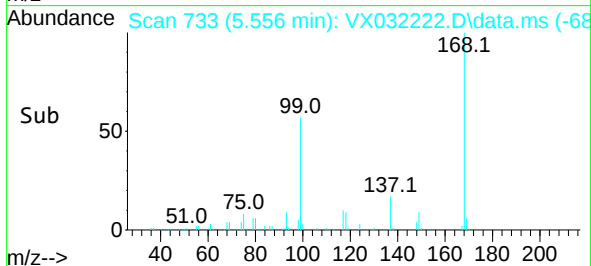
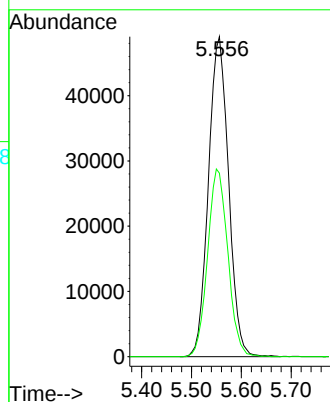
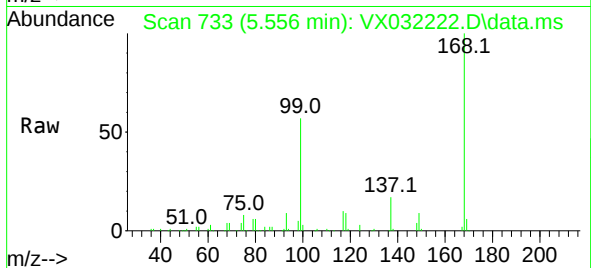




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

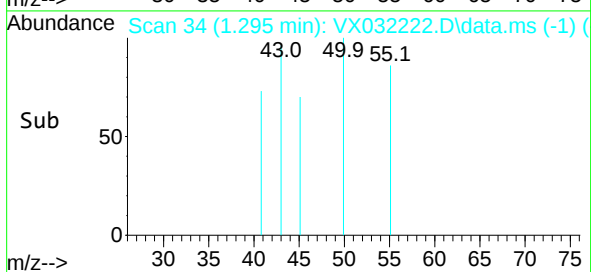
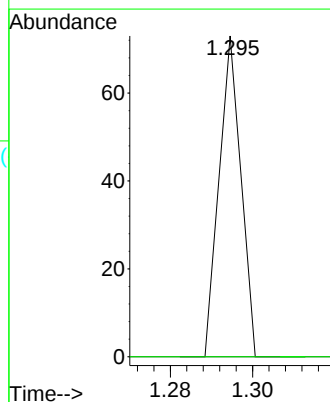
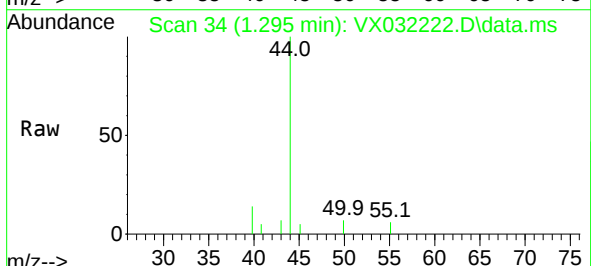
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

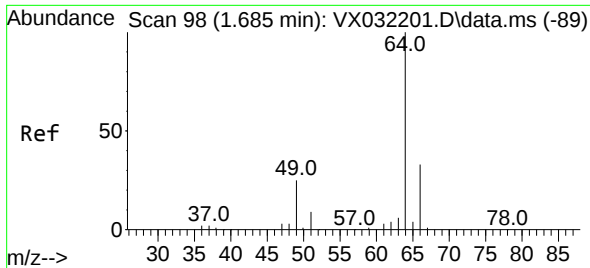
Tgt Ion:168 Resp: 137353
Ion Ratio Lower Upper
168 100
99 57.4 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 50 Resp: 27
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

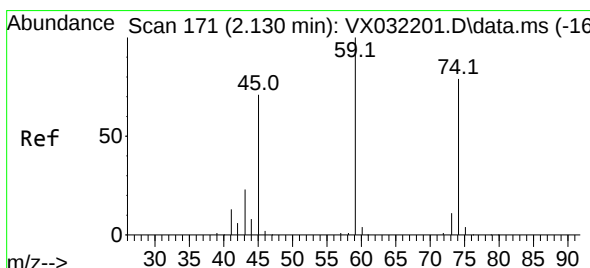
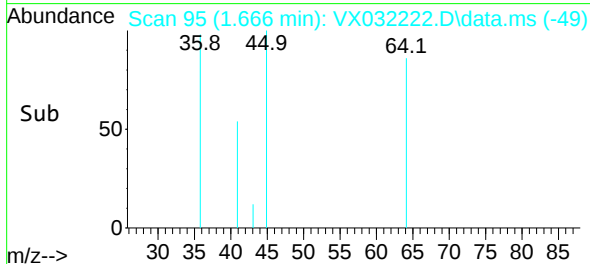
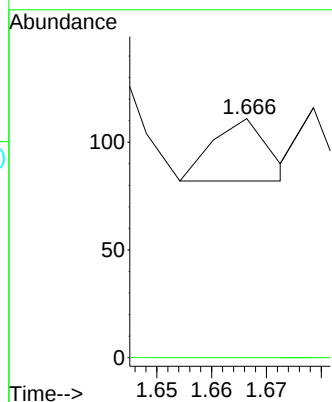
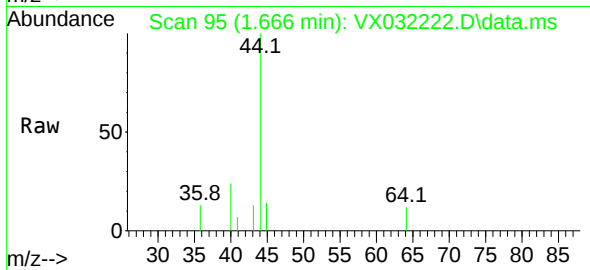




#6
Chloroethane
Concen: 1.967 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

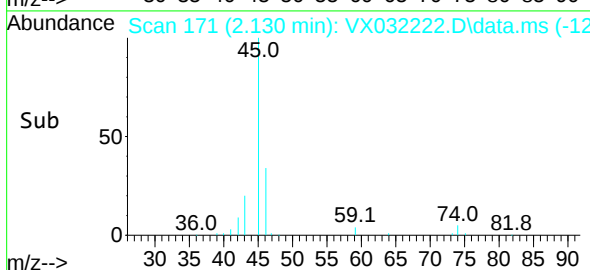
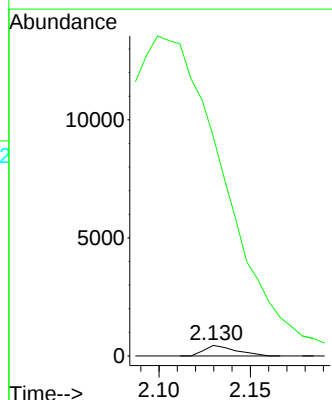
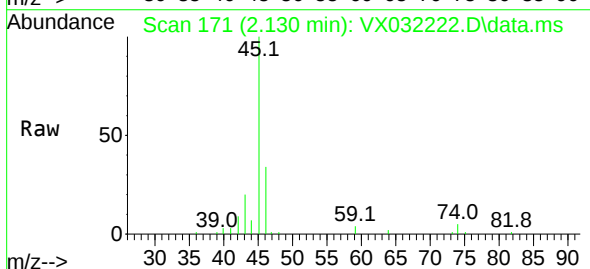
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

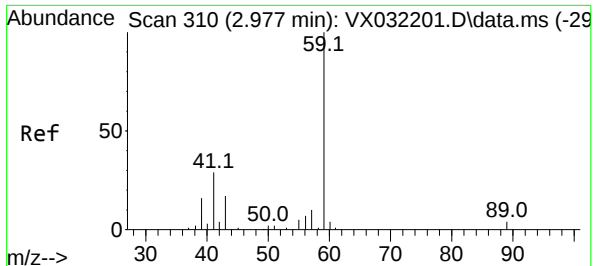
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#8
Diethyl Ether
Concen: 0.654 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 74 Resp: 535
Ion Ratio Lower Upper
74 100
45 0.0 45.9 137.6#

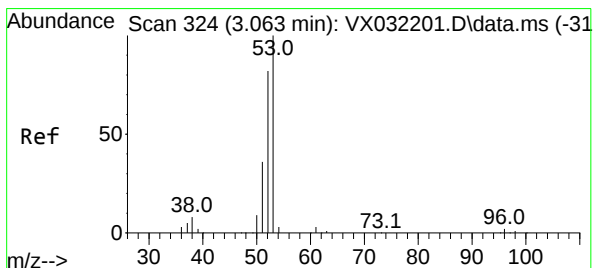
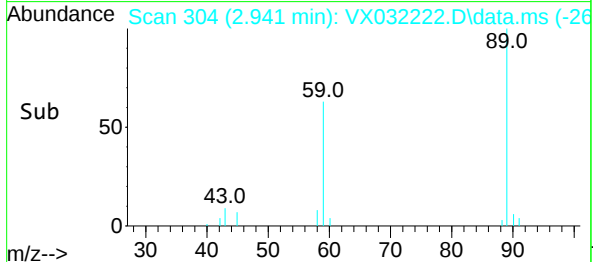
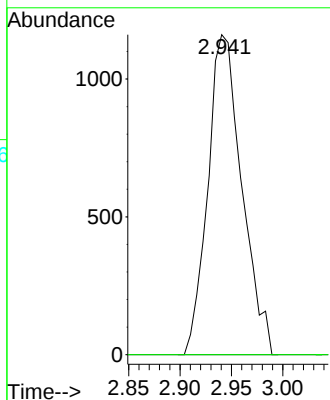
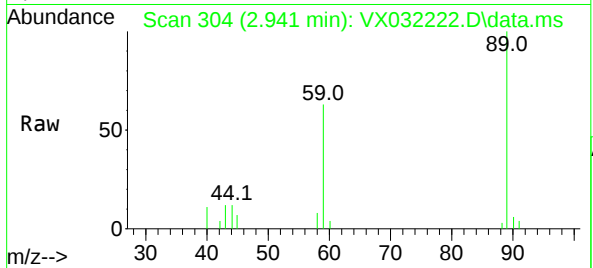




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

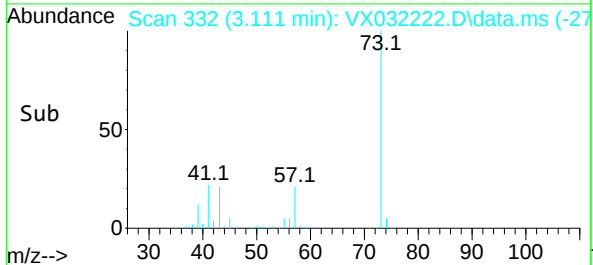
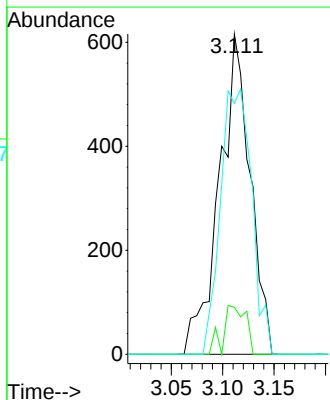
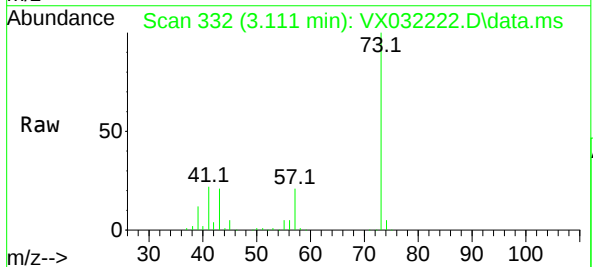
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

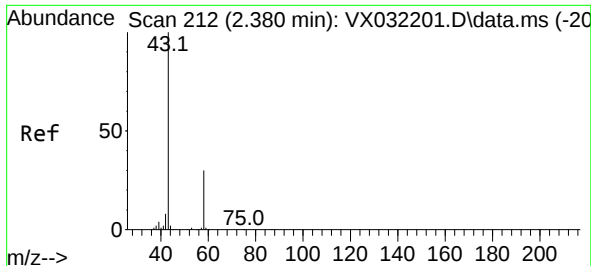
Tgt Ion: 59 Resp: 2675
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#15
Acrylonitrile
Concen: 1.916 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.048 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 53 Resp: 1284
Ion Ratio Lower Upper
53 100
52 11.1 65.9 98.9#
51 84.3 29.7 44.5#

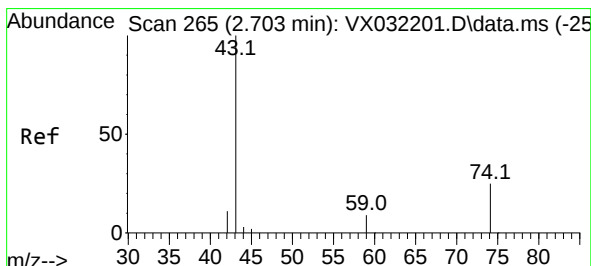
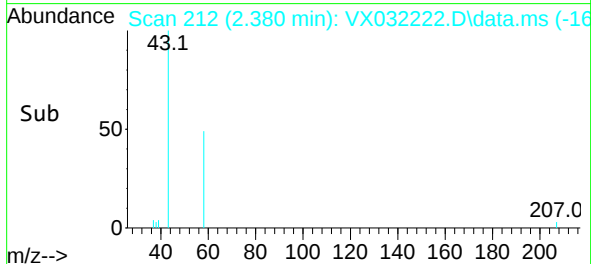
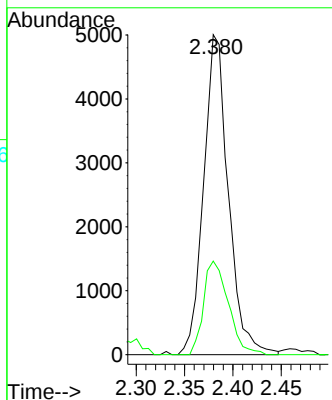
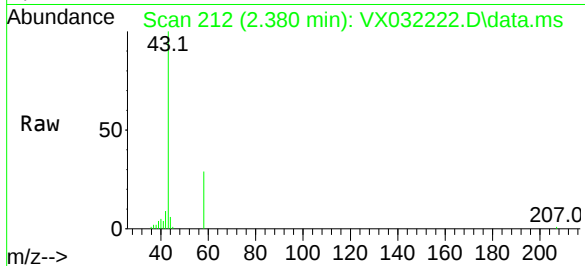




#16
Acetone
Concen: 15.361 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

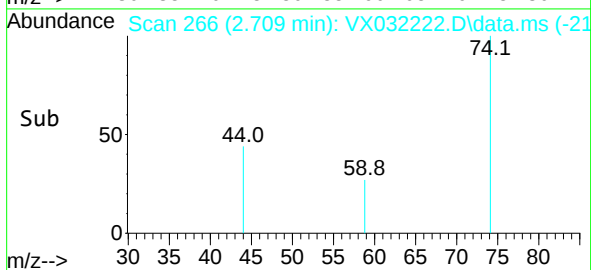
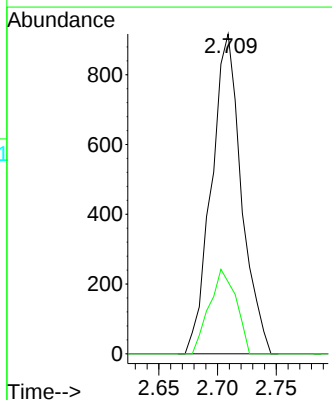
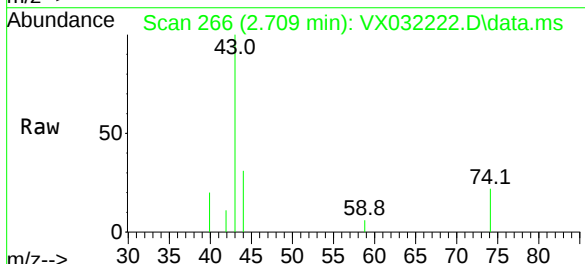
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

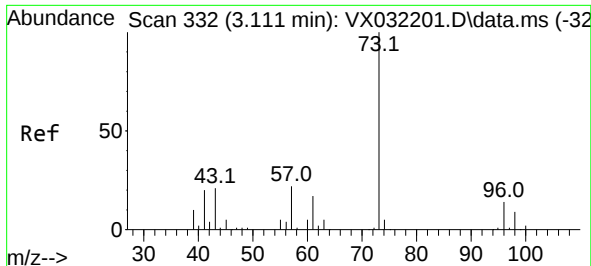
Tgt Ion: 43 Resp: 8907
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.2



#18
Methyl Acetate
Concen: 0.827 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.8

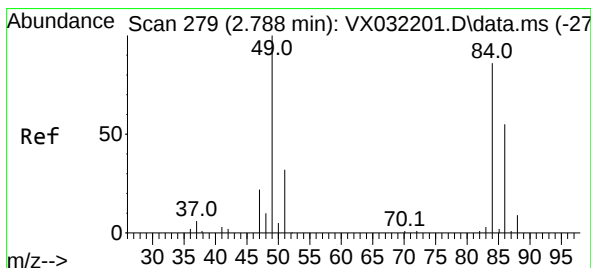
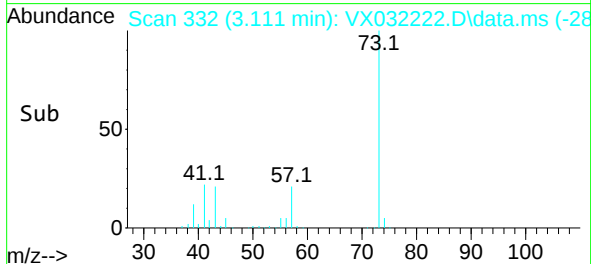
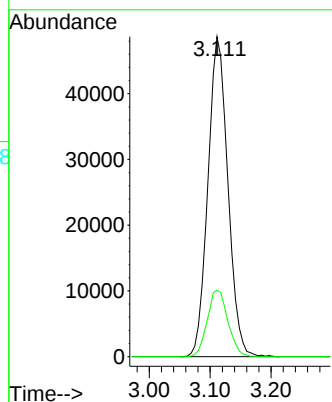
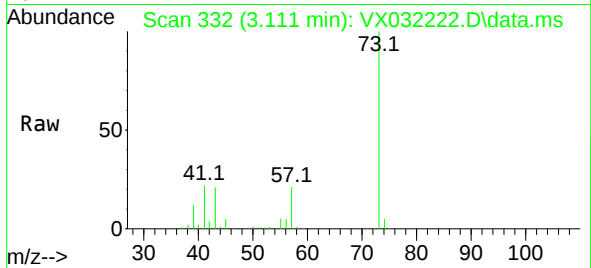




#19
Methyl tert-butyl Ether
Concen: 26.244 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

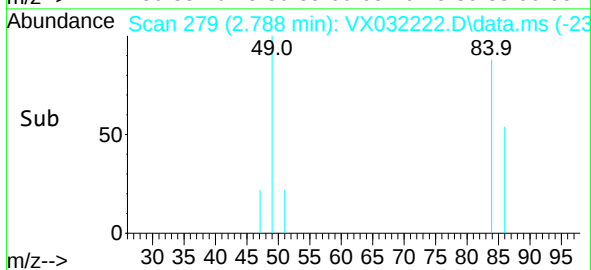
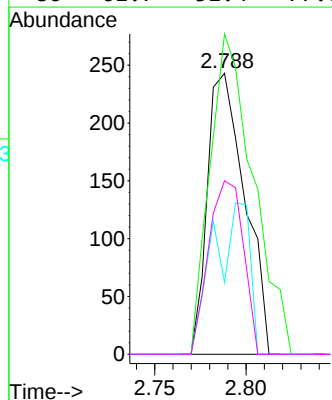
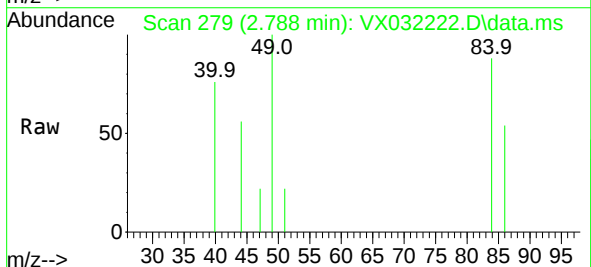
Instrument :
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ClientSampleId :
TRE-1667

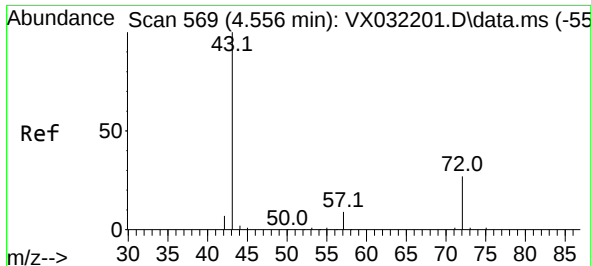
Tgt Ion: 73 Resp: 110871
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.2



#20
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 84 Resp: 347
Ion Ratio Lower Upper
84 100
49 114.0 92.6 139.0
51 25.5 29.2 43.8#
86 61.7 51.4 77.0





#25

2-Butanone

Concen: 0.835 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX032222.D

Acq: 19 Oct 2022 20:51

Instrument :

MSVOA_X

ClientSampleId :

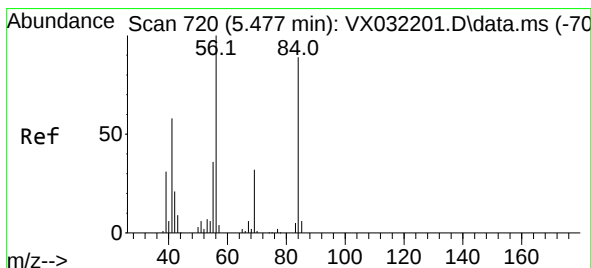
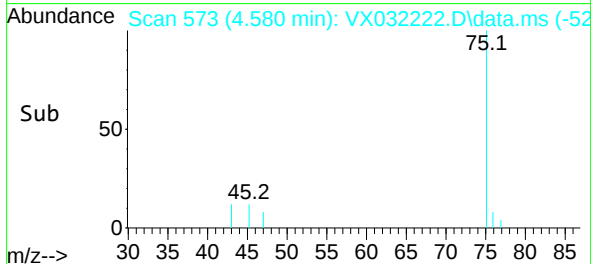
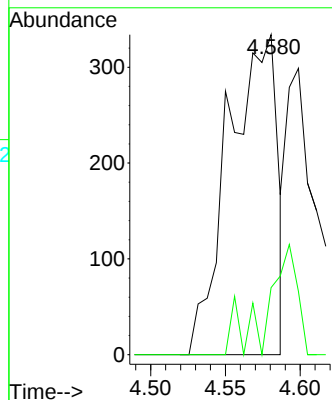
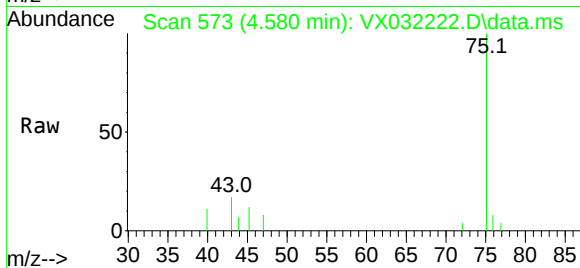
TRE-1667

Tgt Ion: 43 Resp: 756

Ion Ratio Lower Upper

43 100

72 21.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.466 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032222.D

Acq: 19 Oct 2022 20:51

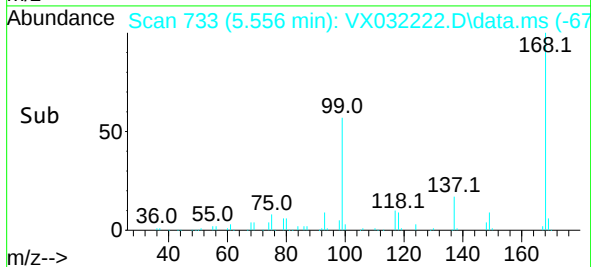
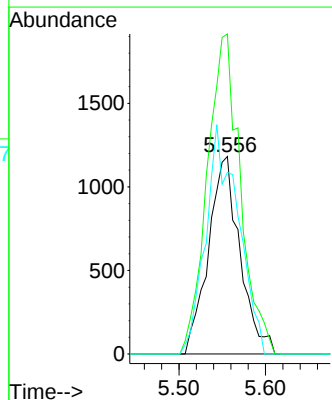
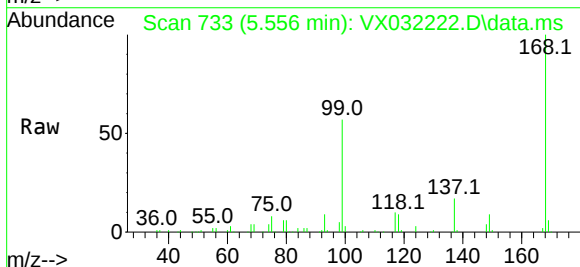
Tgt Ion: 56 Resp: 2995

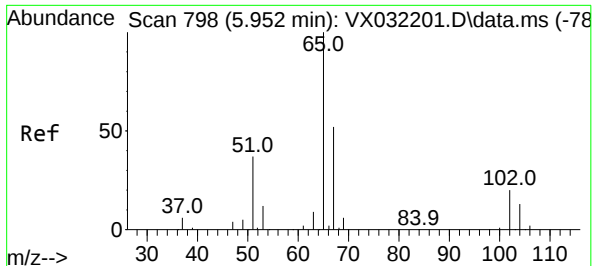
Ion Ratio Lower Upper

56 100

69 162.0 25.4 38.0#

84 92.0 71.2 106.8





#33

1,2-Dichloroethane-d4

Concen: 55.055 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032222.D

Acq: 19 Oct 2022 20:51

Instrument :

MSVOA_X

ClientSampleId :

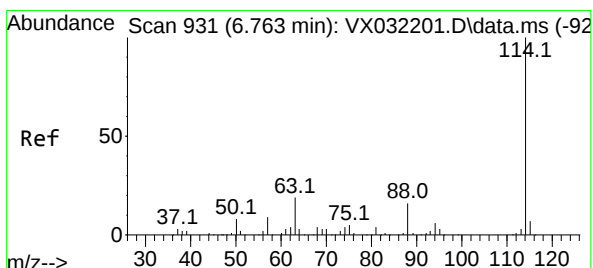
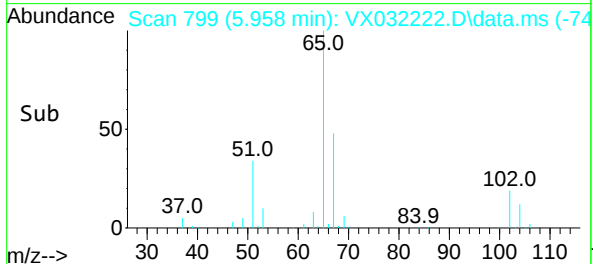
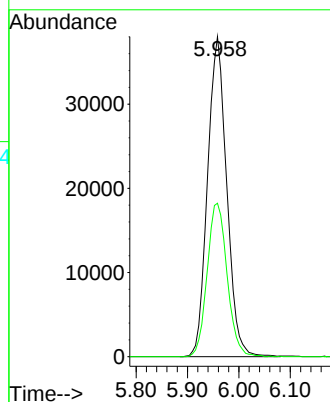
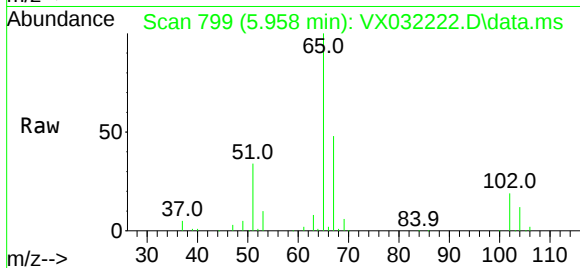
TRE-1667

Tgt Ion: 65 Resp: 98373

Ion Ratio Lower Upper

65 100

67 50.0 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: VX032222.D

Acq: 19 Oct 2022 20:51

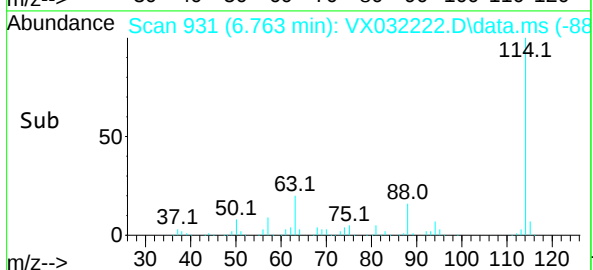
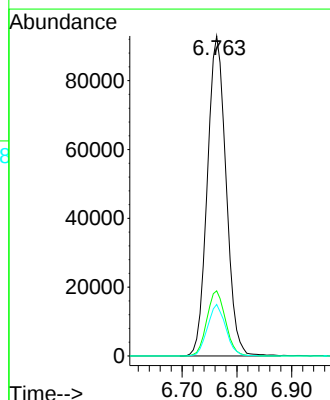
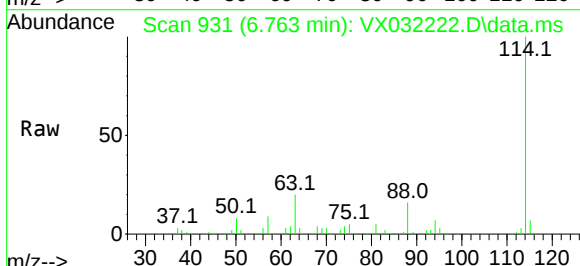
Tgt Ion: 114 Resp: 220290

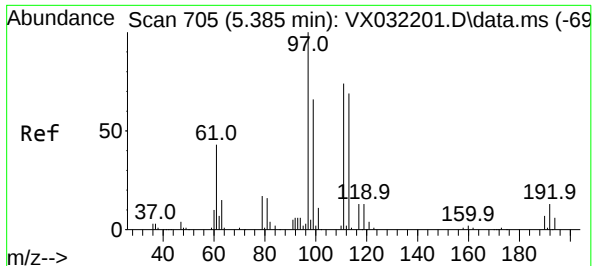
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

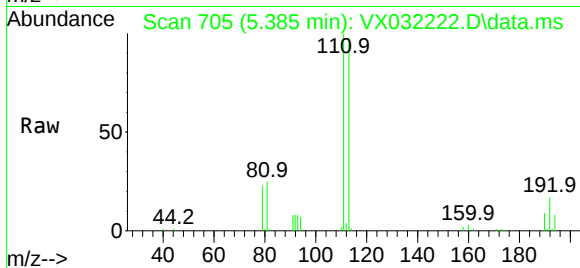
88 16.1 0.0 32.6



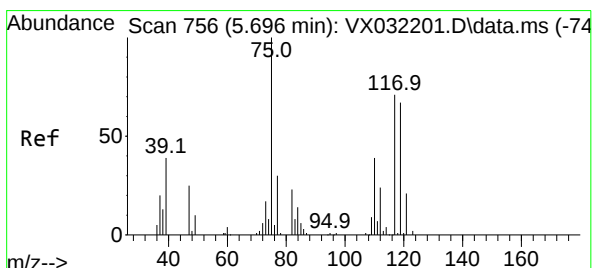
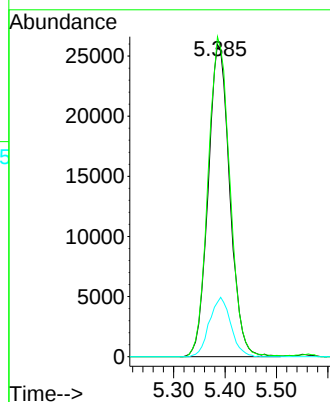
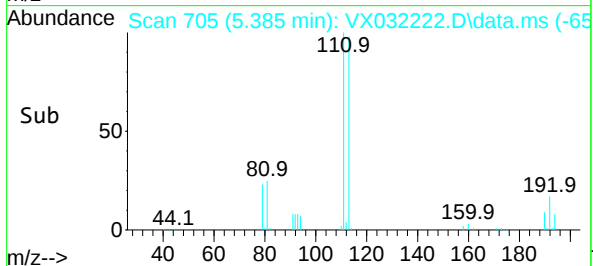


#35
Dibromofluoromethane
Concen: 49.387 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

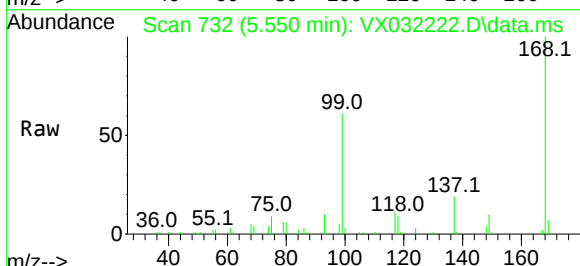
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667



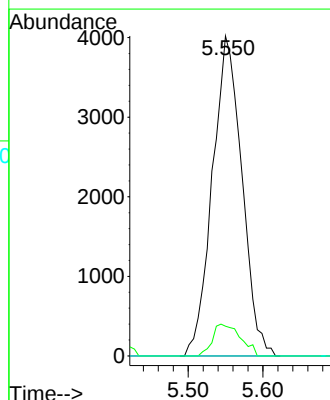
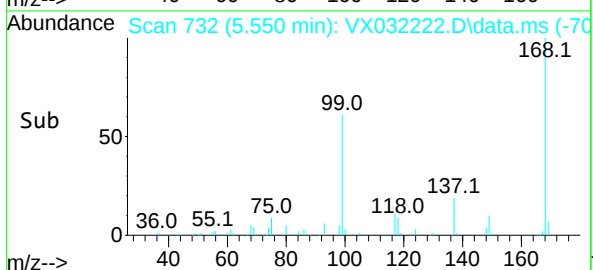
Tgt Ion:113 Resp: 75706
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 18.9 15.5 23.3

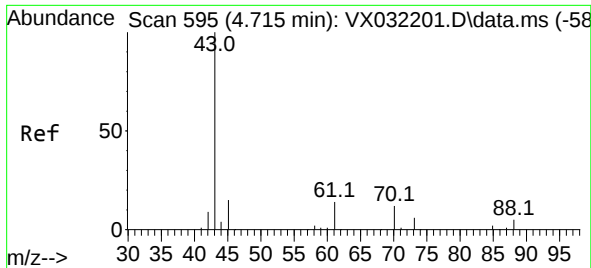


#36
1,1-Dichloropropene
Concen: 5.602 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51



Tgt Ion: 75 Resp: 11046
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.0#
77 0.0 24.7 37.1#

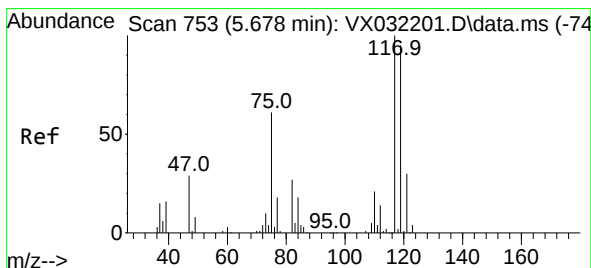
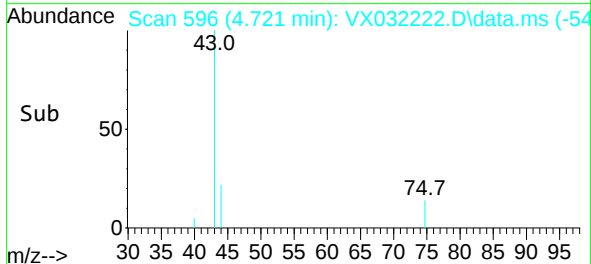
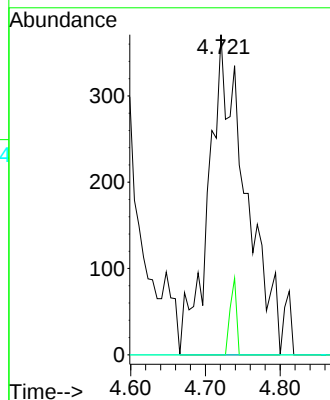
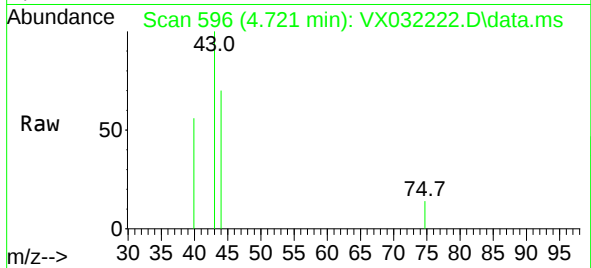




#37
Ethyl Acetate
Concen: 0.662 ug/l
RT: 4.721 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

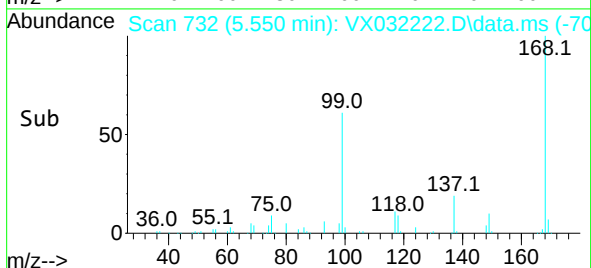
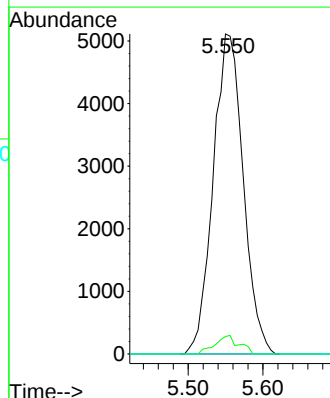
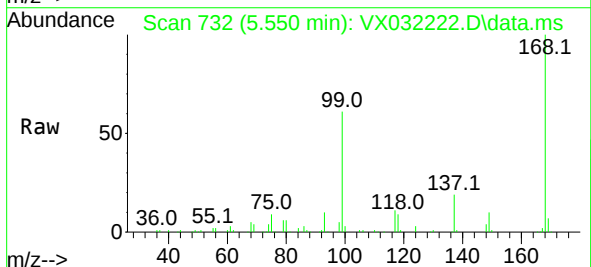
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

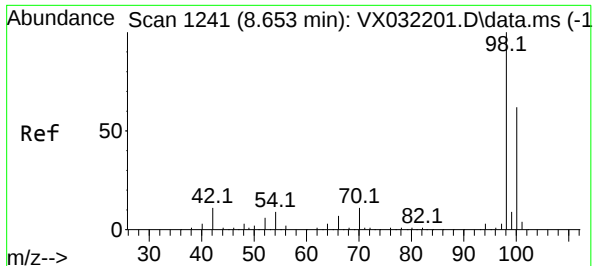
Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
61 4.1 11.4 17.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.867 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 117 Resp: 14295
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.0#
121 0.0 23.9 35.9#

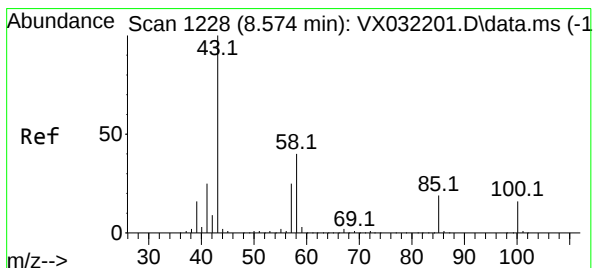
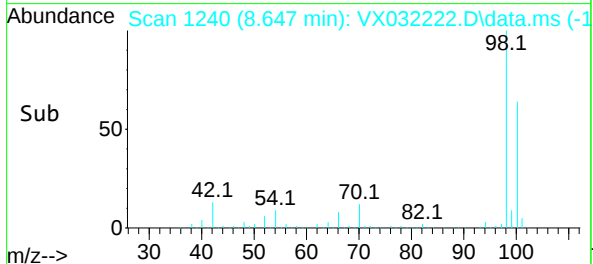
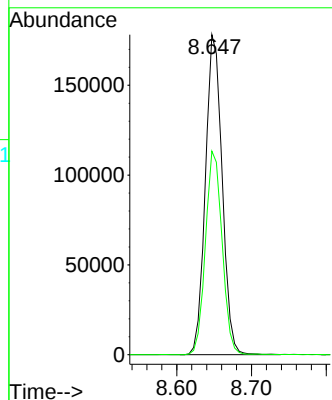
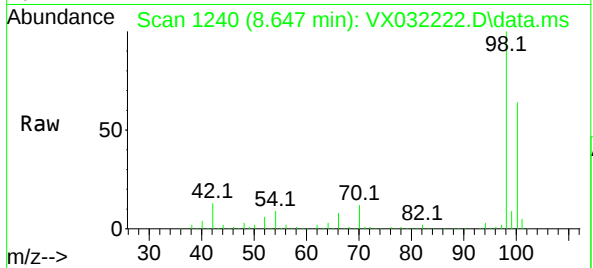




#50
Toluene-d8
Concen: 50.163 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

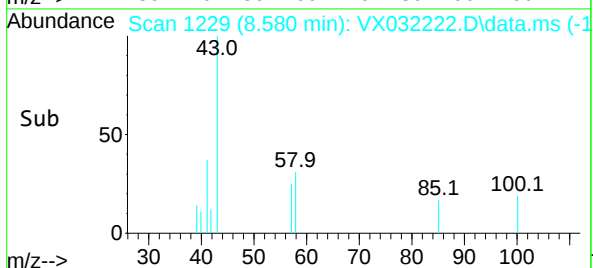
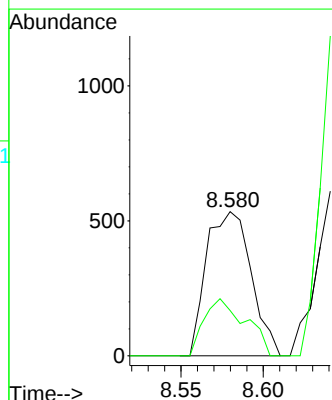
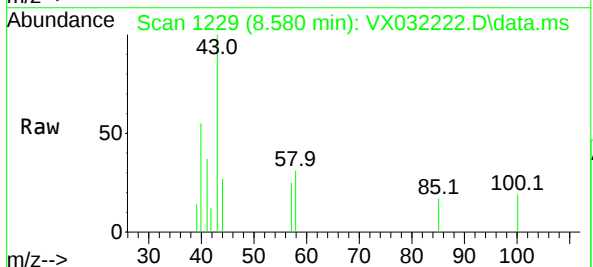
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

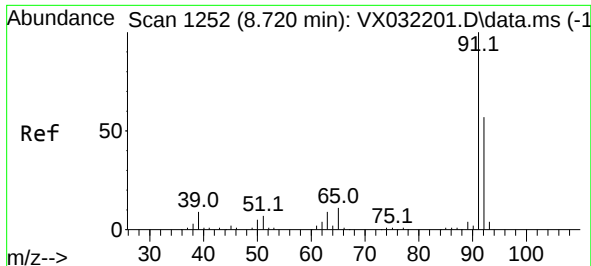
Tgt Ion: 98 Resp: 276801
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
58 36.9 31.0 46.4

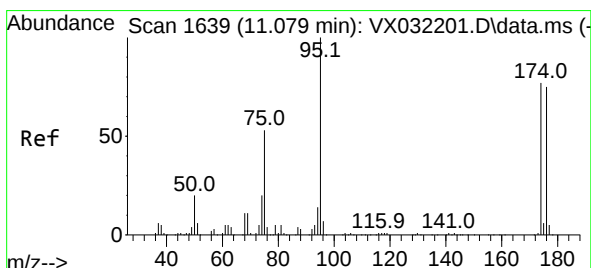
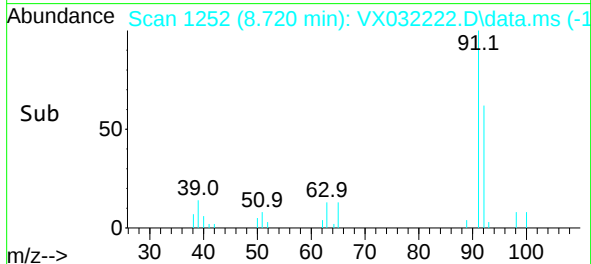
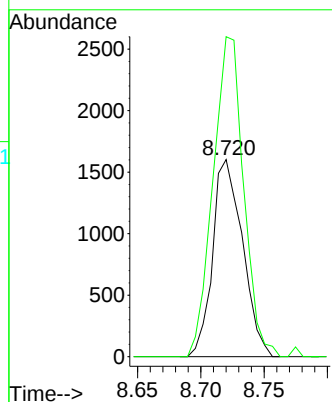
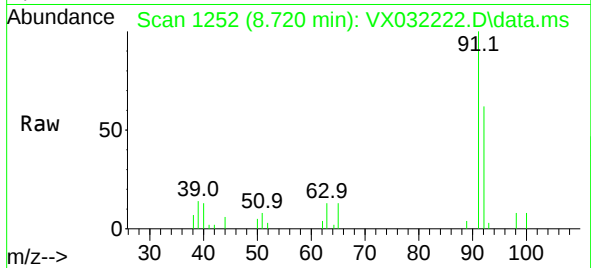




#52
Toluene
Concen: 0.711 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

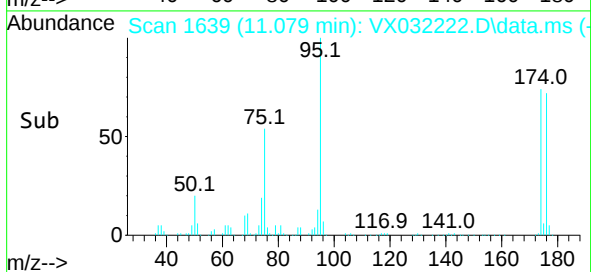
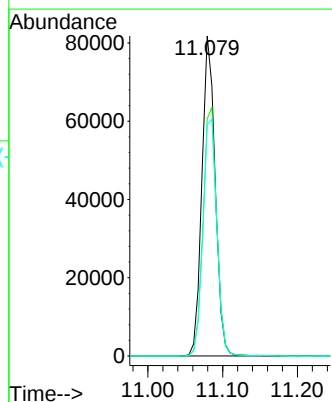
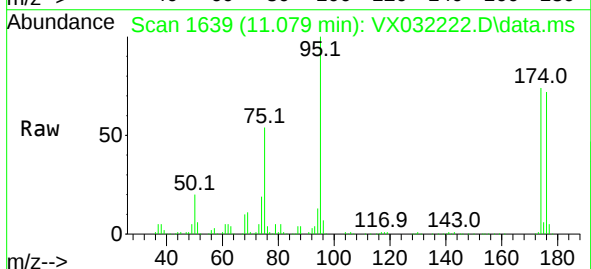
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

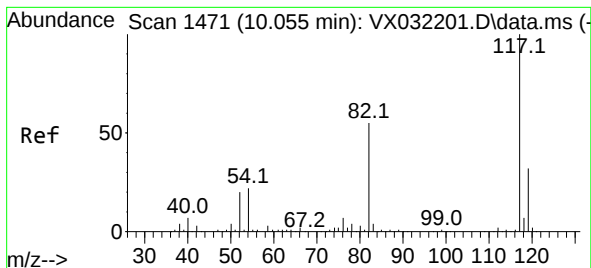
Tgt Ion: 92 Resp: 2634
Ion Ratio Lower Upper
92 100
91 166.1 140.3 210.5



#62
4-Bromofluorobenzene
Concen: 49.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 95 Resp: 100706
Ion Ratio Lower Upper
95 100
174 80.3 0.0 166.8
176 77.4 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: VX032222.D

Acq: 19 Oct 2022 20:51

Instrument :

MSVOA_X

ClientSampleId :

TRE-1667

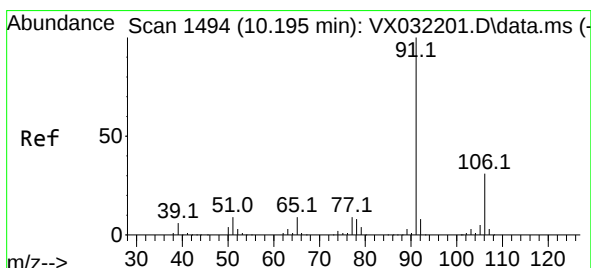
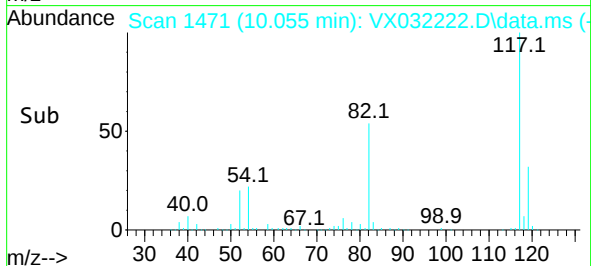
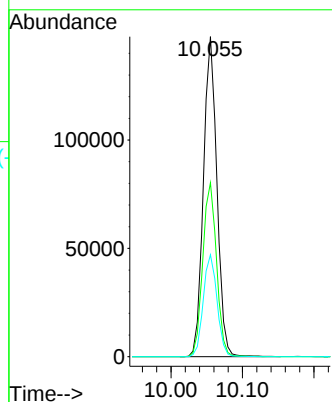
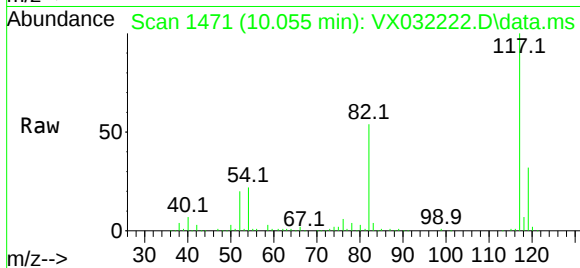
Tgt Ion:117 Resp: 193466

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.4

119 31.9 25.8 38.8



#67

Ethyl Benzene

Concen: 0.503 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032222.D

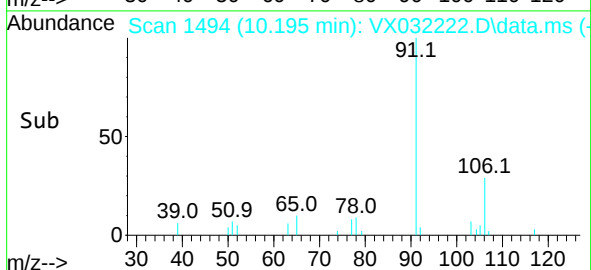
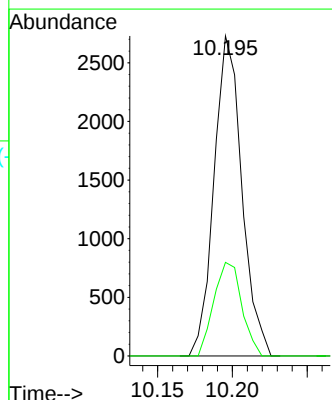
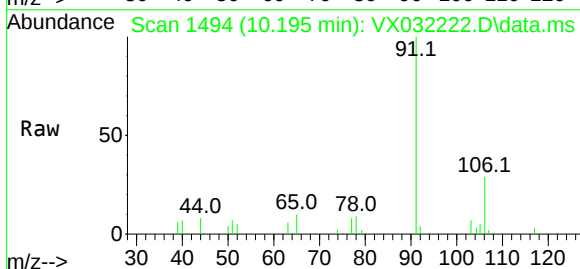
Acq: 19 Oct 2022 20:51

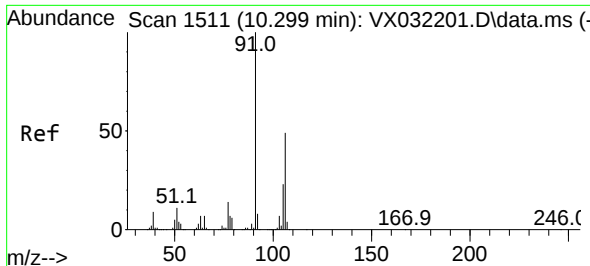
Tgt Ion: 91 Resp: 3530

Ion Ratio Lower Upper

91 100

106 29.2 25.0 37.4

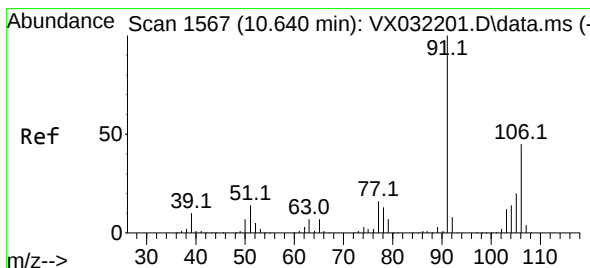
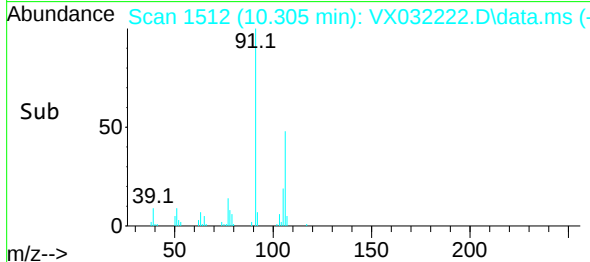
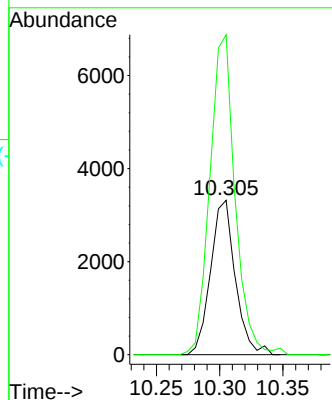
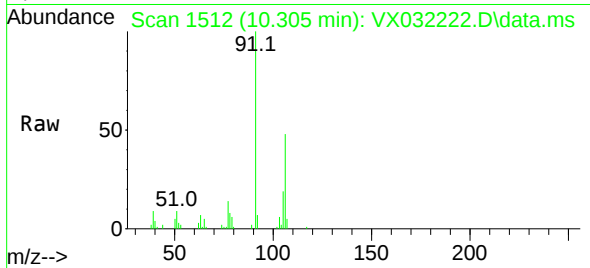




#68
m/p-Xylenes
Concen: 1.627 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

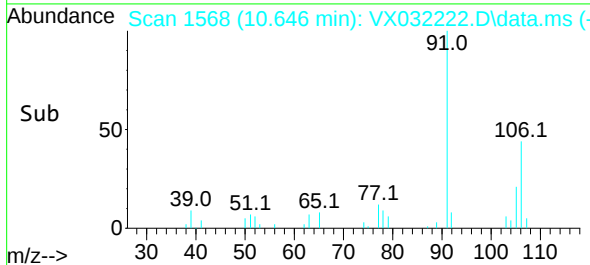
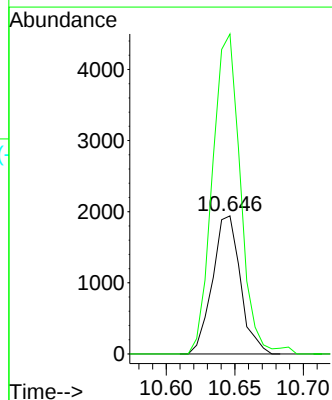
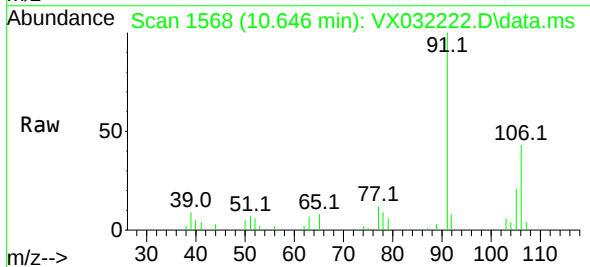
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

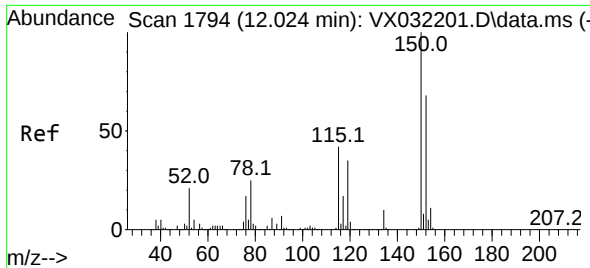
Tgt Ion:106 Resp: 4513
Ion Ratio Lower Upper
106 100
91 211.4 162.6 244.0



#69
o-Xylene
Concen: 1.034 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion:106 Resp: 2747
Ion Ratio Lower Upper
106 100
91 232.8 108.3 324.9

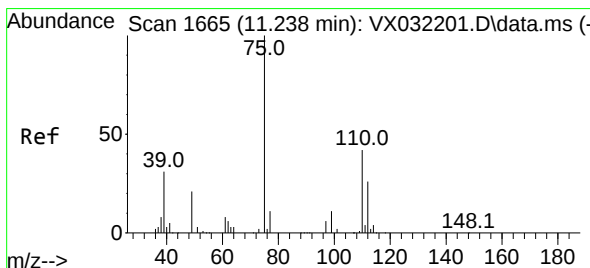
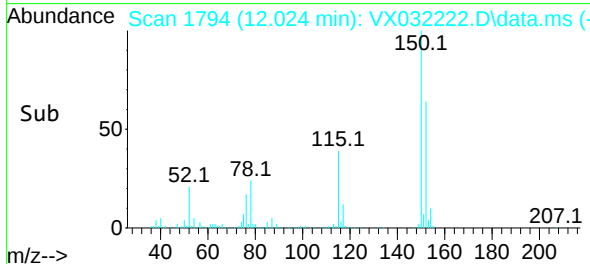
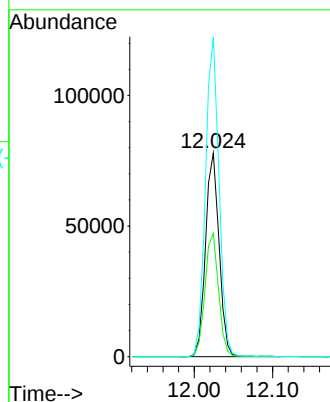
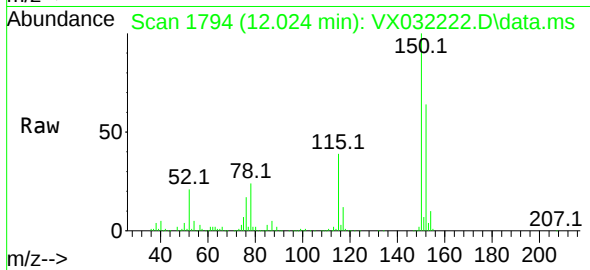




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

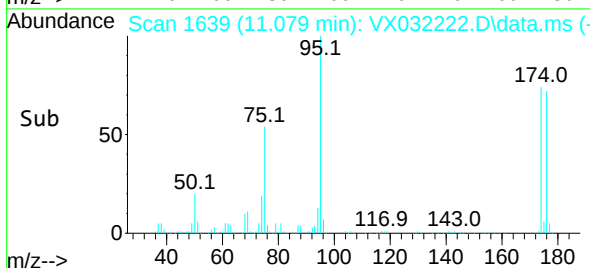
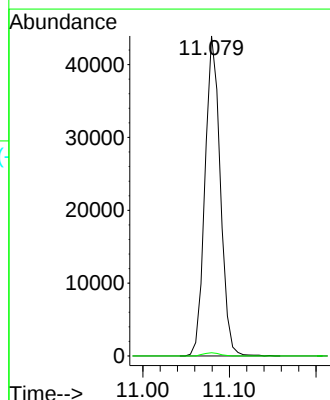
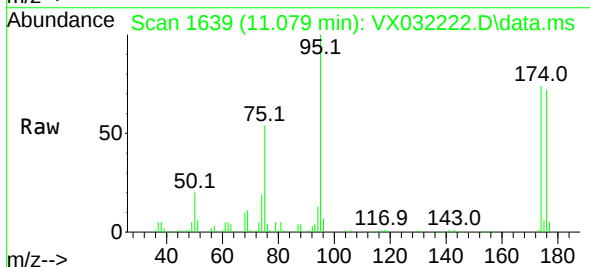
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

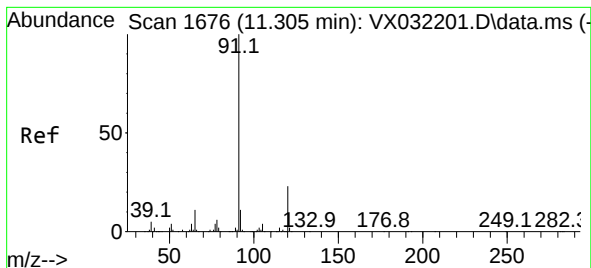
Tgt Ion:152 Resp: 93553
Ion Ratio Lower Upper
152 100
115 60.8 43.1 129.4
150 156.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 29.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 75 Resp: 53887
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#





#78

n-propylbenzene

Concen: 0.281 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032222.D

Acq: 19 Oct 2022 20:51

Instrument :

MSVOA_X

ClientSampleId :

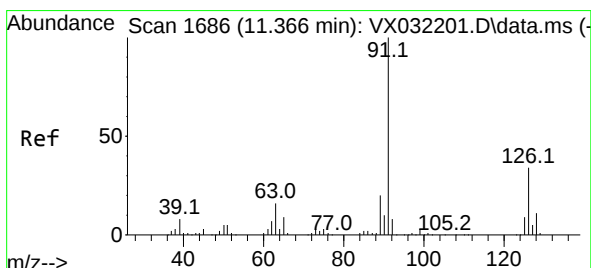
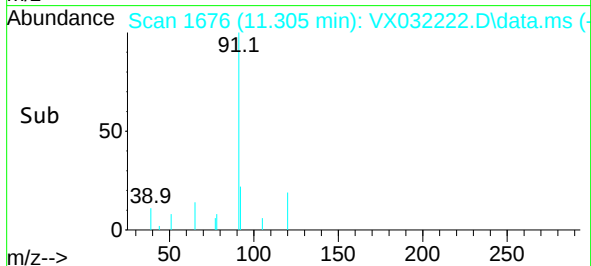
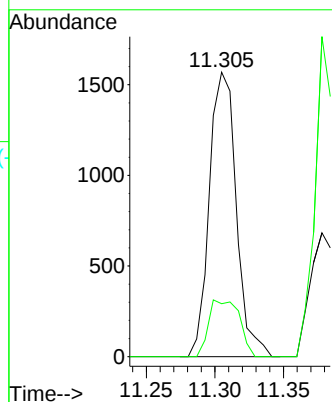
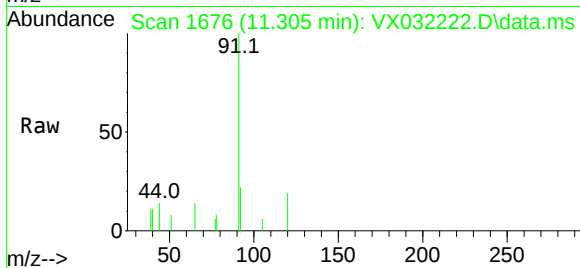
TRE-1667

Tgt Ion: 91 Resp: 2145

Ion Ratio Lower Upper

91 100

120 22.6 11.6 34.8



#79

2-Chlorotoluene

Concen: 0.262 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.012 min

Lab File: VX032222.D

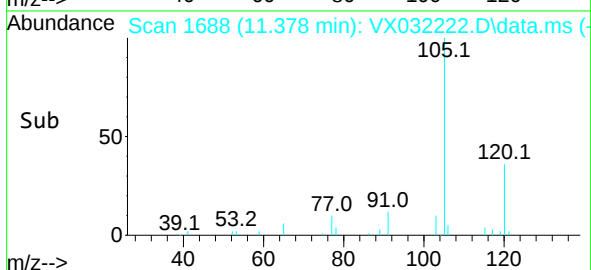
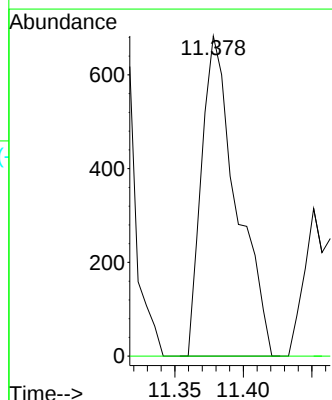
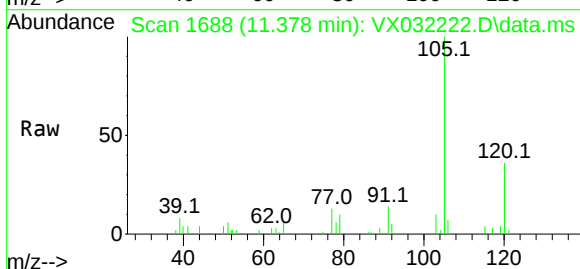
Acq: 19 Oct 2022 20:51

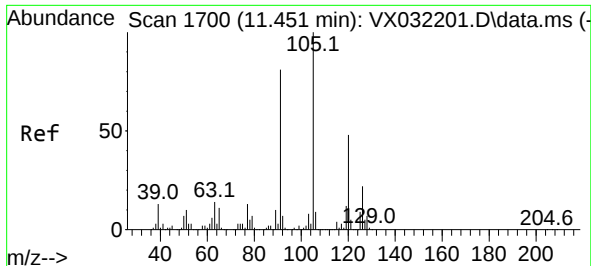
Tgt Ion: 91 Resp: 1209

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#

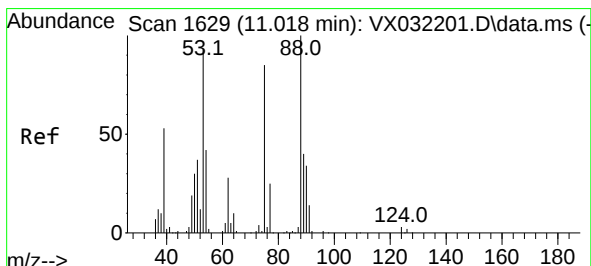
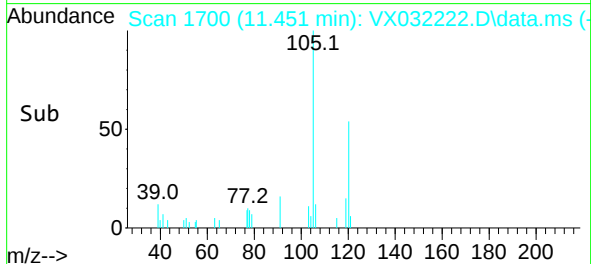
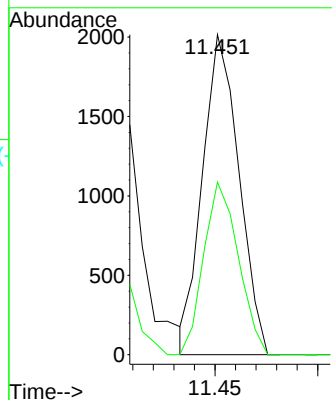
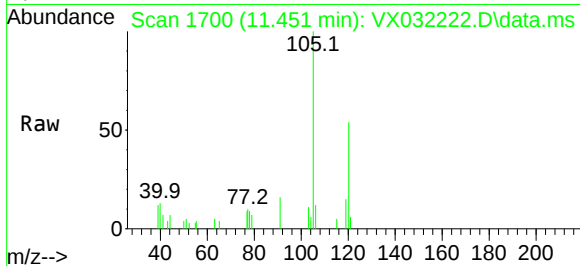




#80
1,3,5-Trimethylbenzene
Concen: 0.429 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

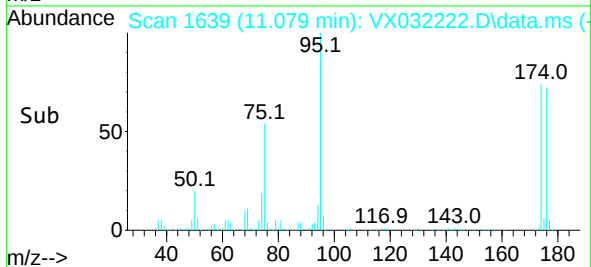
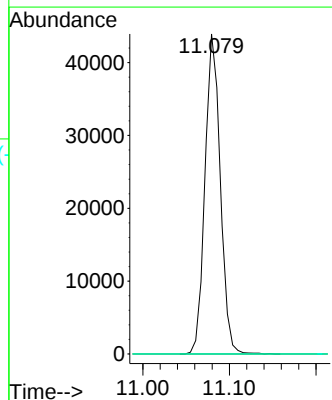
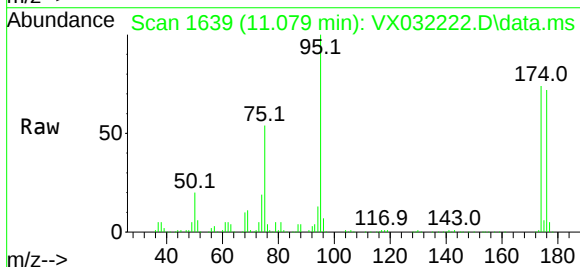
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

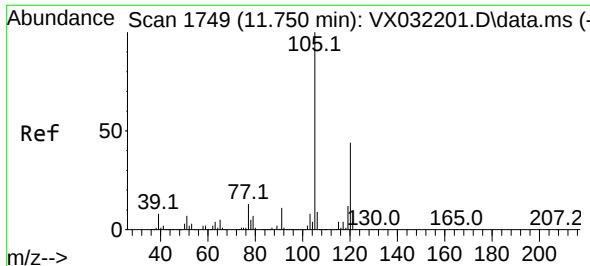
Tgt Ion:105 Resp: 2473
Ion Ratio Lower Upper
105 100
120 51.5 23.5 70.6



#81
trans-1,4-Dichloro-2-butene
Concen: 89.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 75 Resp: 53887
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

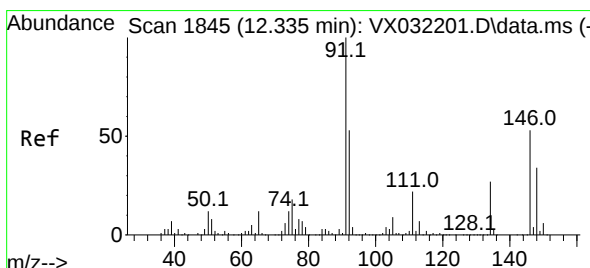
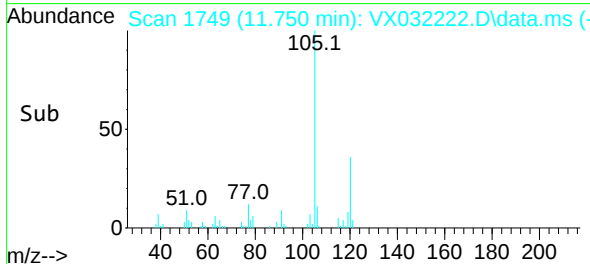
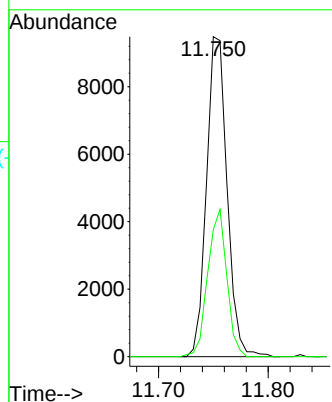
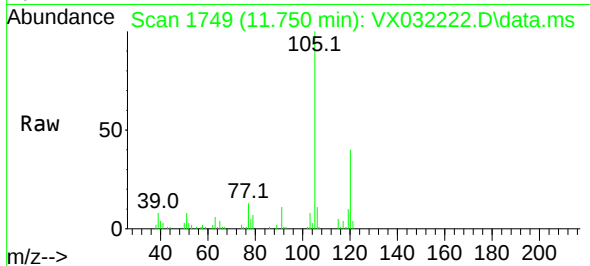




#84
1,2,4-Trimethylbenzene
Concen: 2.204 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

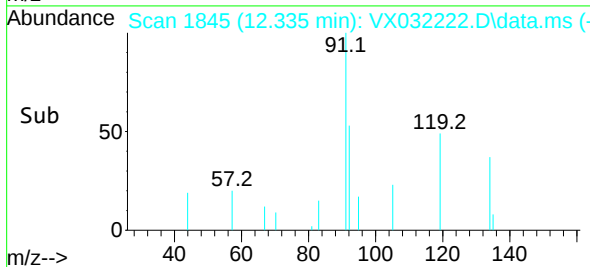
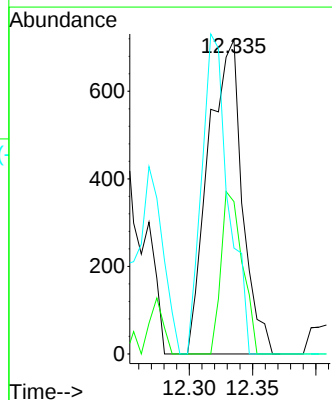
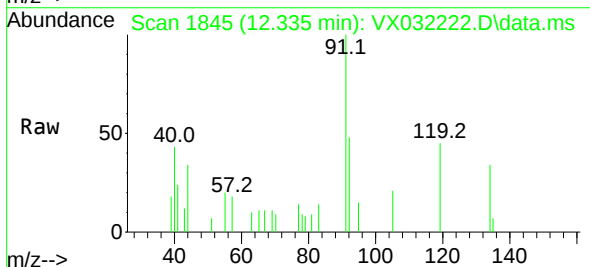
Instrument :
MSVOA_X
ClientSampleId :
TRE-1667

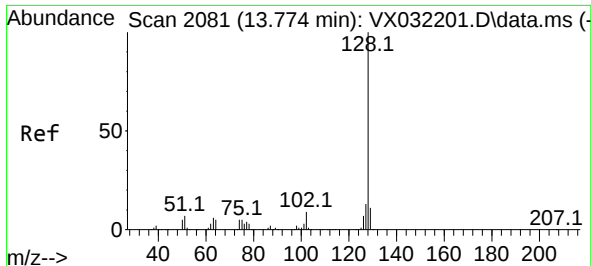
Tgt Ion:105 Resp: 12355
Ion Ratio Lower Upper
105 100
120 42.5 22.1 66.1



#89
n-Butylbenzene
Concen: 0.257 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX032222.D
Acq: 19 Oct 2022 20:51

Tgt Ion: 91 Resp: 1342
Ion Ratio Lower Upper
91 100
92 32.5 26.3 78.9
134 79.8 13.0 39.0#





#95

Naphthalene

Concen: 0.462 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX032222.D

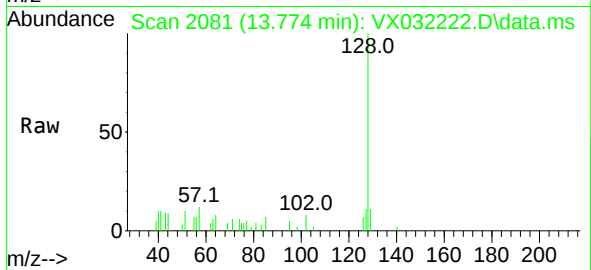
Acq: 19 Oct 2022 20:51

Instrument :

MSVOA_X

ClientSampleId :

TRE-1667



Tgt Ion:128 Resp: 2976

Ion Ratio Lower Upper

128 100

127 15.2 10.3 15.5

129 14.0 8.7 13.1#

