

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032223.D
 Acq On : 19 Oct 2022 21:14
 Operator : JC/MD
 Sample : N5170-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1661

Quant Time: Oct 20 04:32:39 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)

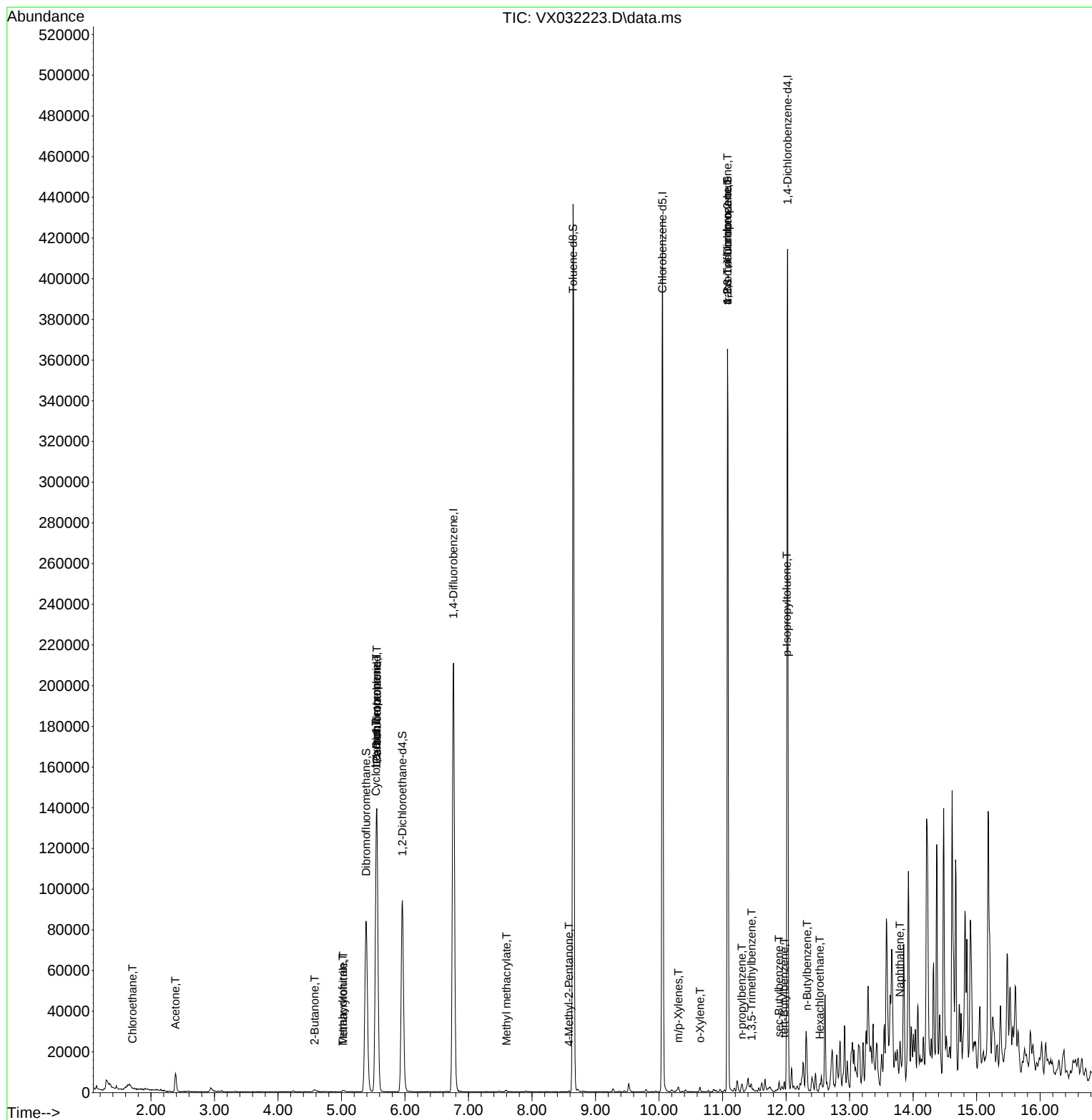
Internal Standards						
1) Pentafluorobenzene	5.556	168	132382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93046	54.029	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.060%
35) Dibromofluoromethane	5.385	113	71849	48.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.647	98	259419	48.385	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.079	95	92807	47.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.540%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	332	Below Cal	#	44
6) Chloroethane	1.709	64	70	2.004	ug/l #	41
11) Tert butyl alcohol	2.940	59	1491	Below Cal	#	74
16) Acetone	2.386	43	10797	19.319	ug/l	97
25) 2-Butanone	4.574	43	1718	1.969	ug/l #	77
29) Tetrahydrofuran	5.019	42	835	1.482	ug/l #	59
31) Cyclohexane	5.543	56	3091	1.570	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	10287	5.369	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14161	7.001	ug/l #	16
41) Methacrylonitrile	5.025	41	423	0.428	ug/l #	36
48) Methyl methacrylate	7.598	41	310	0.211	ug/l #	40
51) 4-Methyl-2-Pentanone	8.580	43	405	0.219	ug/l #	87
68) m/p-Xylenes	10.305	106	619	0.233	ug/l	91
69) o-Xylene	10.646	106	515	0.203	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50622	30.866	ug/l #	44
78) n-propylbenzene	11.305	91	1620	0.240	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	1577	0.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	50622	94.375	ug/l #	6
83) tert-Butylbenzene	11.969	119	1696	0.332	ug/l	68
85) sec-Butylbenzene	11.890	105	2152	0.349	ug/l	84
86) p-Isopropyltoluene	12.012	119	2325	0.443	ug/l	90
89) n-Butylbenzene	12.329	91	4993	1.080	ug/l #	41
90) Hexachloroethane	12.530	117	228	0.280	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	12.963	75	22	Below Cal	#	1
95) Naphthalene	13.792	128	1152	0.202	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
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Sample : N5170-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

Quant Time: Oct 20 04:32:39 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

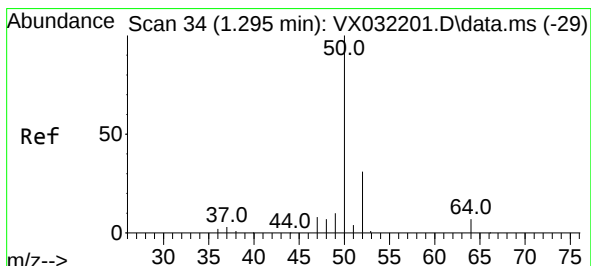
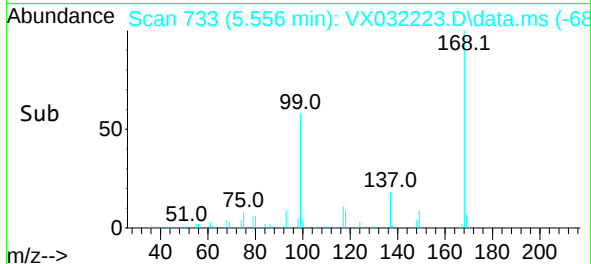
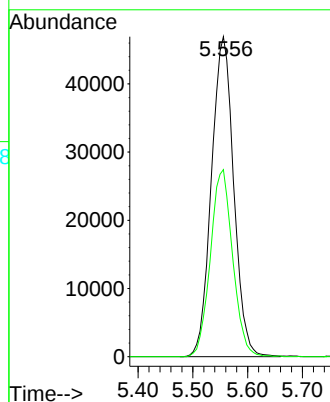
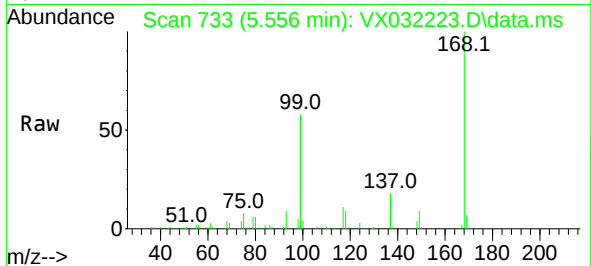




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

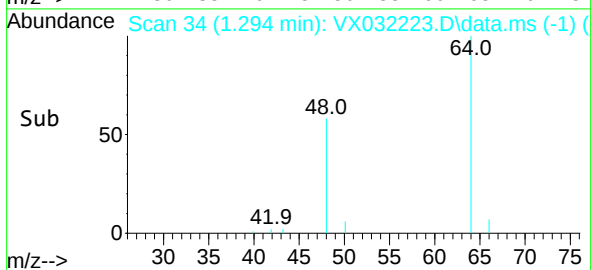
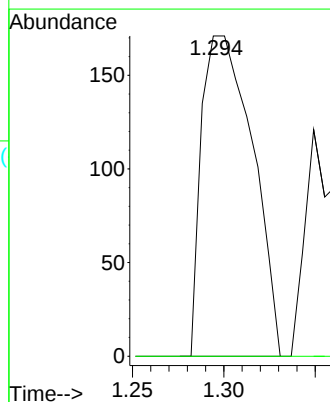
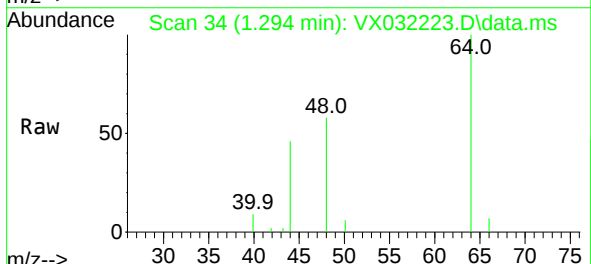
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

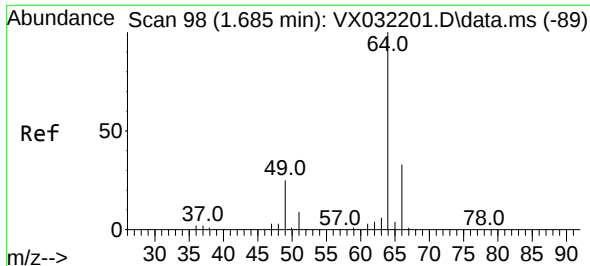
Tgt Ion:168 Resp: 132382
Ion Ratio Lower Upper
168 100
99 58.5 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

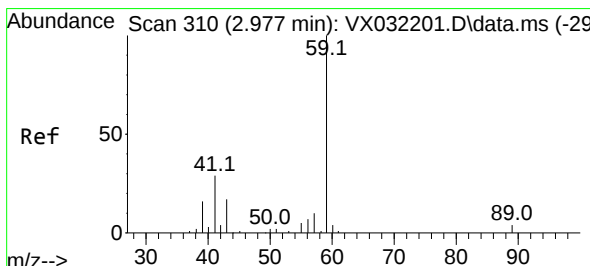
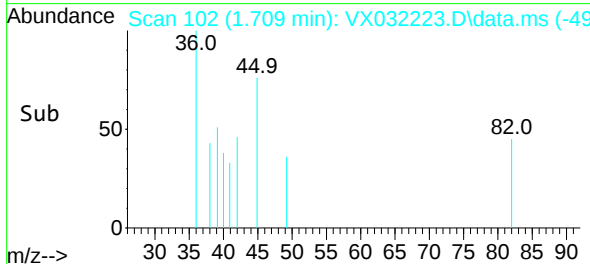
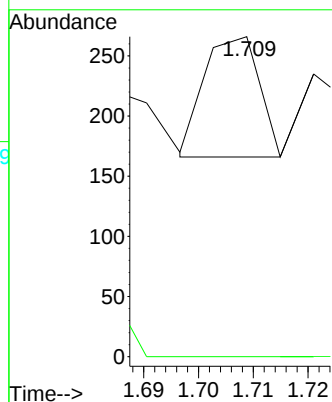
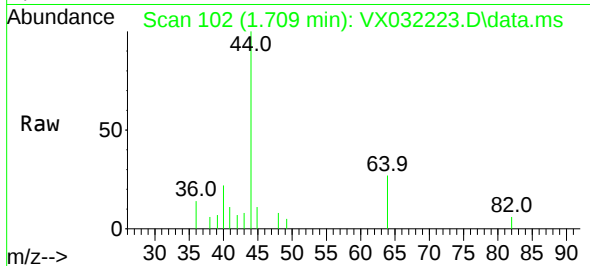




#6
Chloroethane
Concen: 2.004 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

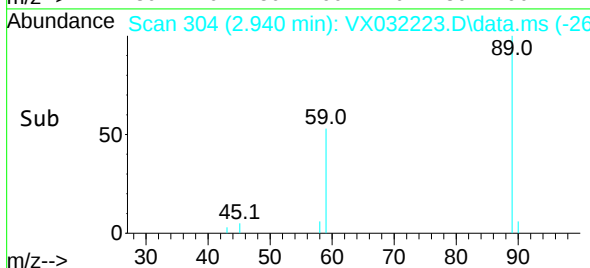
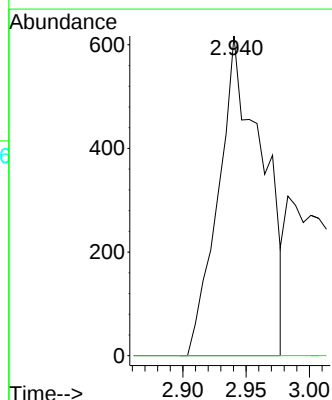
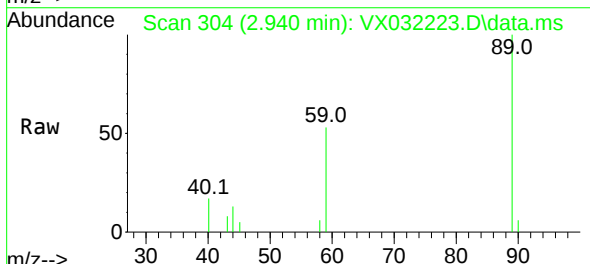
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

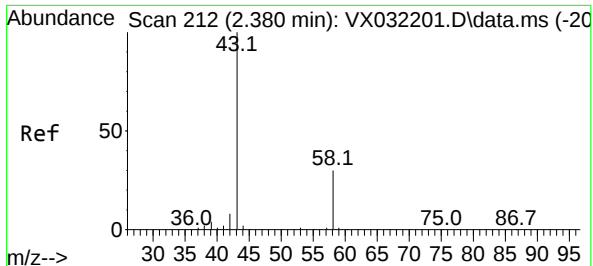
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 59 Resp: 1491
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

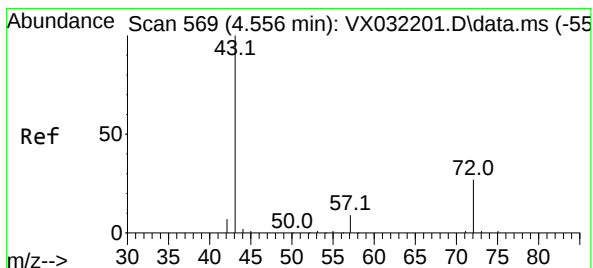
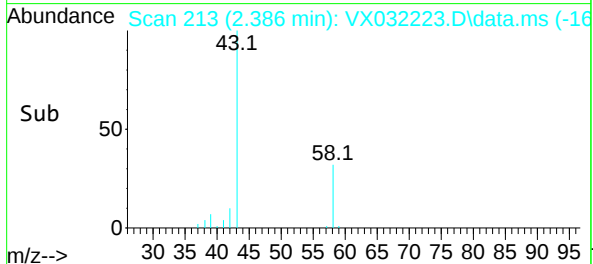
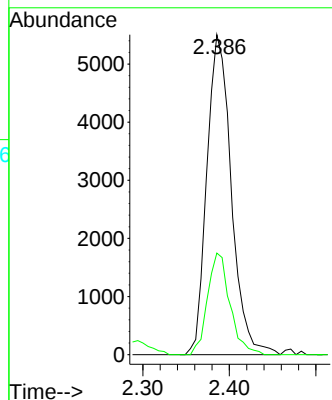
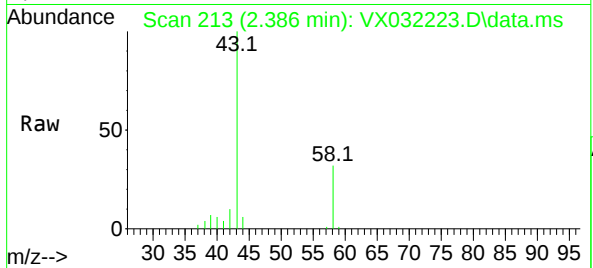




#16
Acetone
Concen: 19.319 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

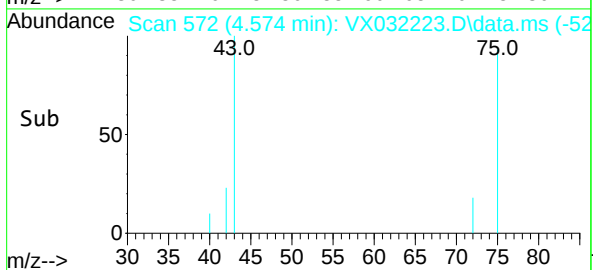
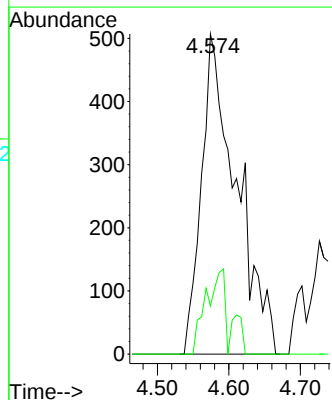
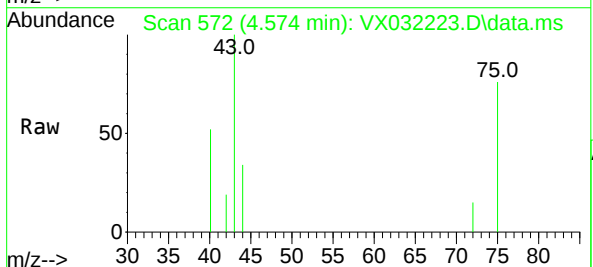
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

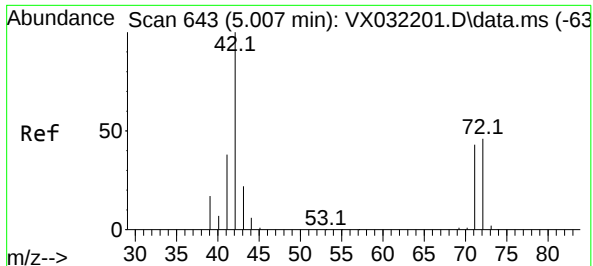
Tgt Ion: 43 Resp: 10797
Ion Ratio Lower Upper
43 100
58 31.7 24.2 36.2



#25
2-Butanone
Concen: 1.969 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
72 15.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 1.482 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

TRE-1661

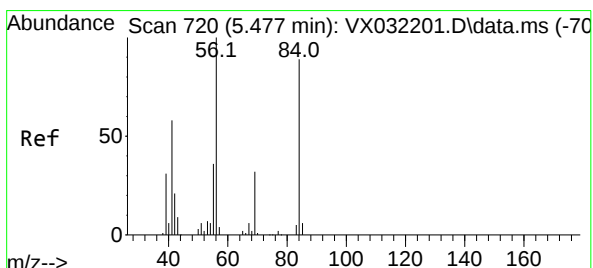
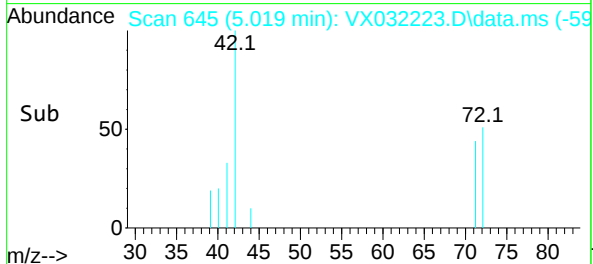
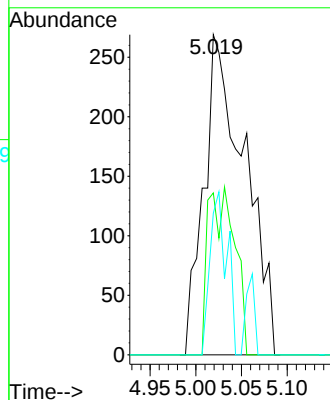
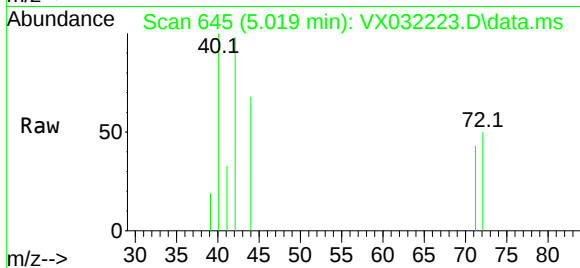
Tgt Ion: 42 Resp: 835

Ion Ratio Lower Upper

42 100

72 15.9 37.5 56.3#

71 21.1 34.7 52.1#



#31

Cyclohexane

Concen: 1.570 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.066 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

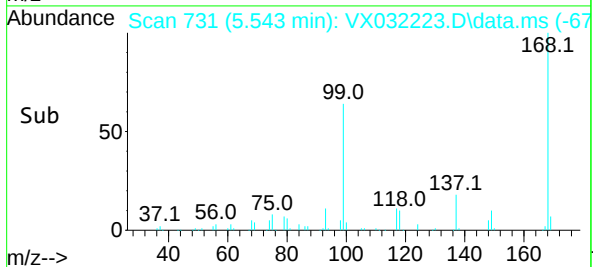
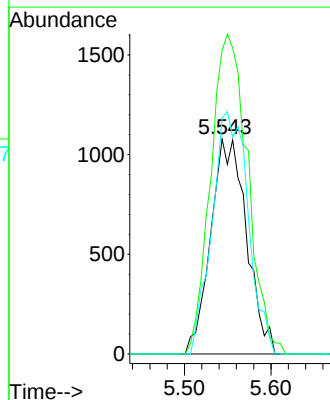
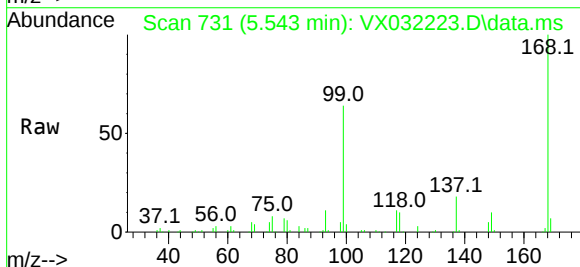
Tgt Ion: 56 Resp: 3091

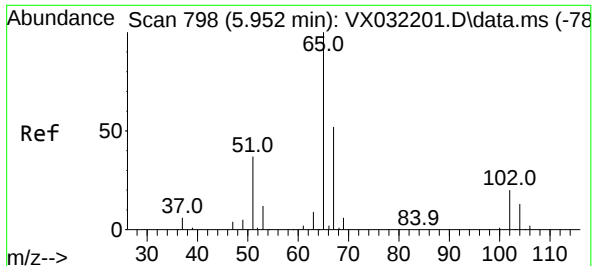
Ion Ratio Lower Upper

56 100

69 141.3 25.4 38.0#

84 109.8 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 54.029 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

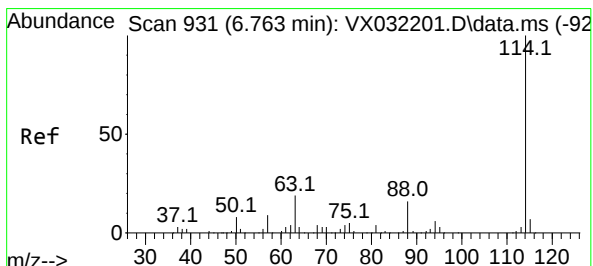
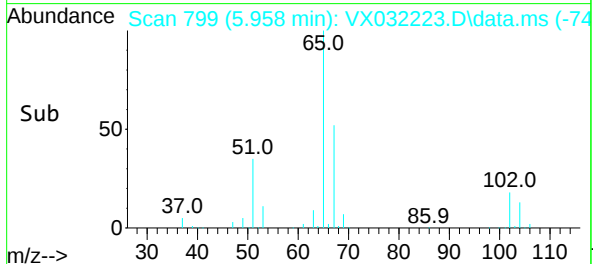
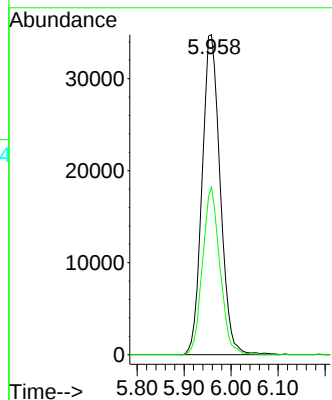
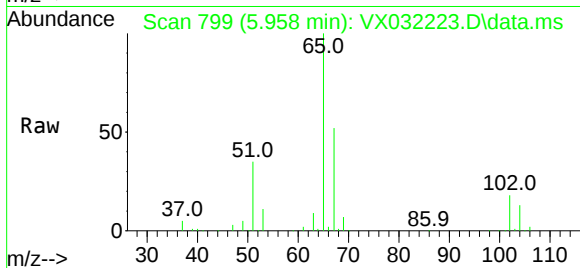
TRE-1661

Tgt Ion: 65 Resp: 93046

Ion Ratio Lower Upper

65 100

67 50.2 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: VX032223.D

Acq: 19 Oct 2022 21:14

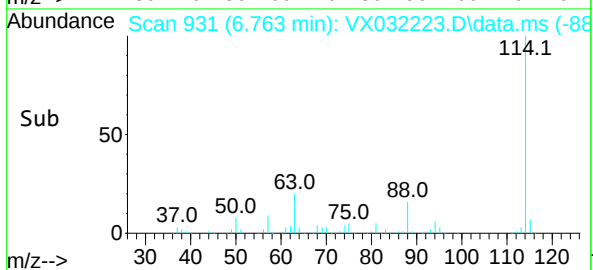
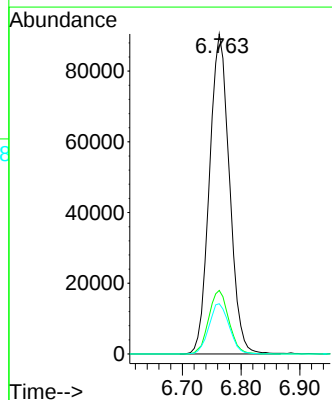
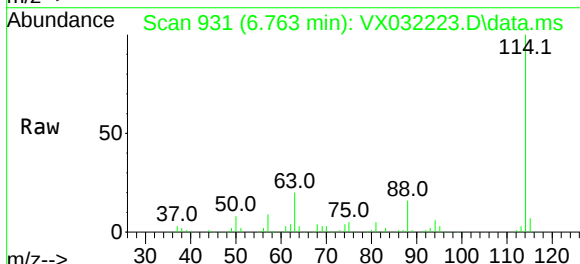
Tgt Ion: 114 Resp: 214044

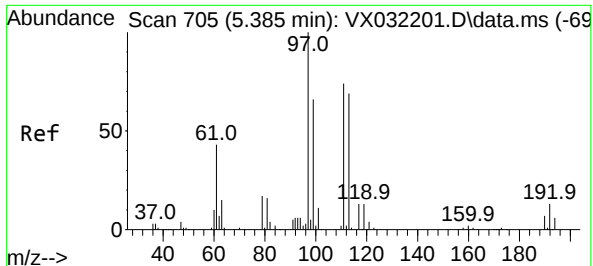
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

88 15.7 0.0 32.6

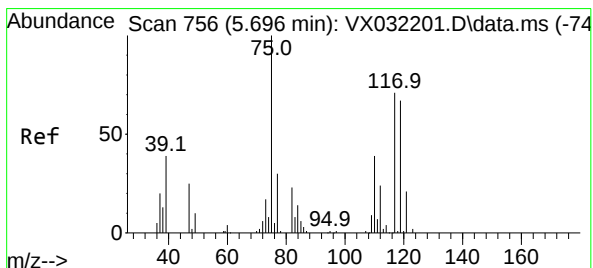
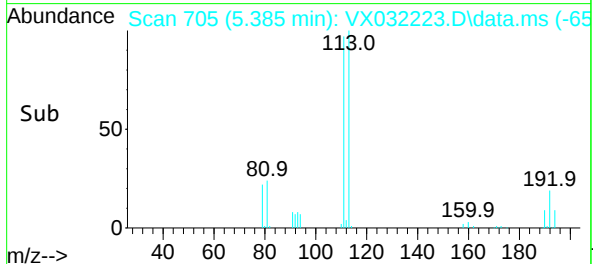
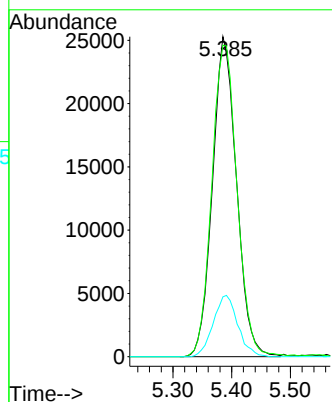
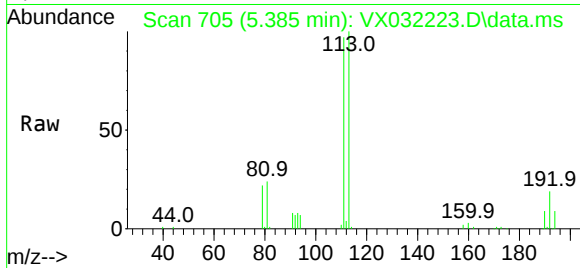




#35
Dibromofluoromethane
Concen: 48.238 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

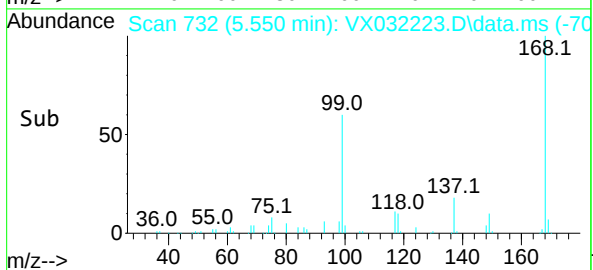
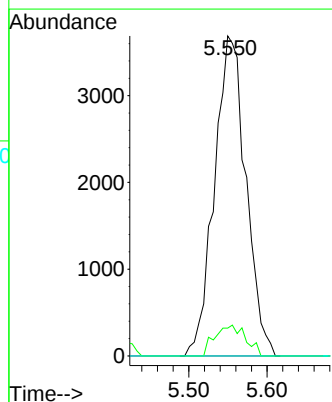
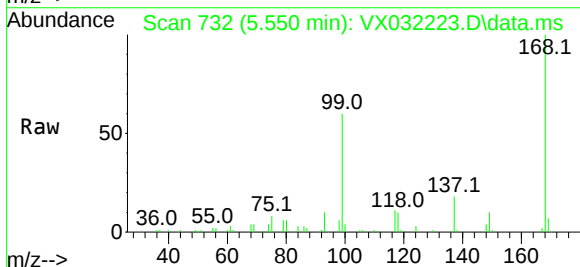
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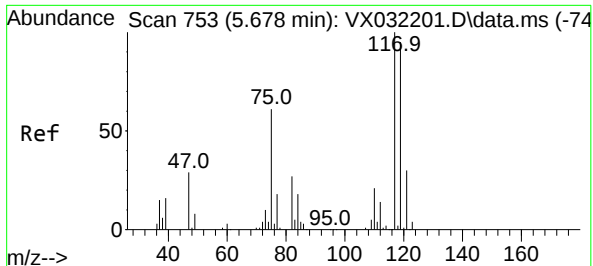
Tgt Ion:113 Resp: 71849
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.5 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.369 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

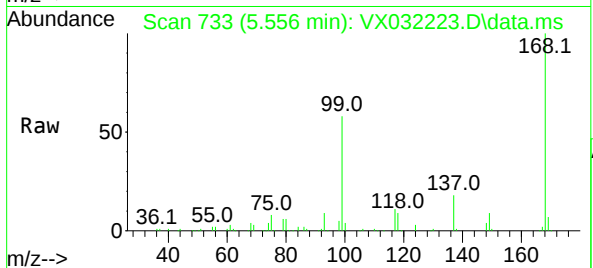
Tgt Ion: 75 Resp: 10287
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.0#
77 0.0 24.7 37.1#



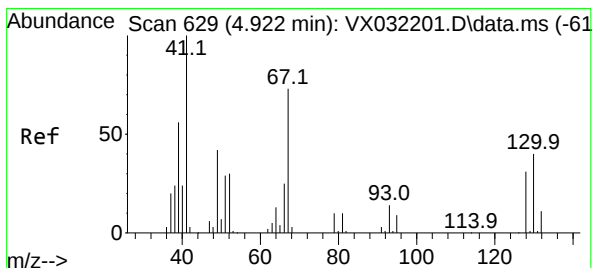
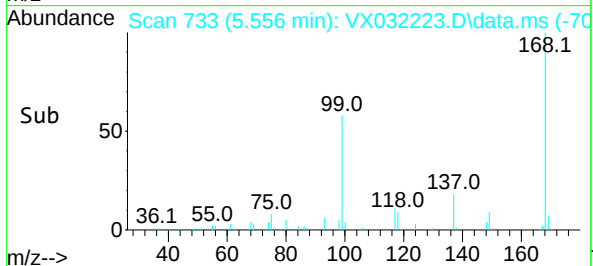
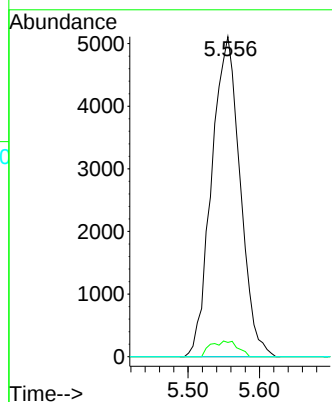


#38
Carbon Tetrachloride
Concen: 7.001 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

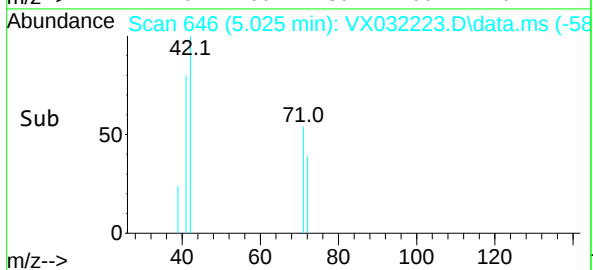
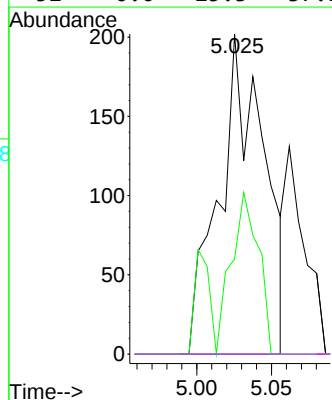
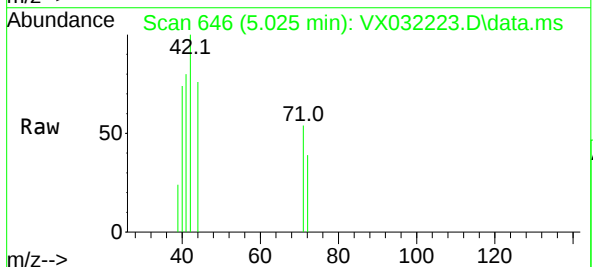


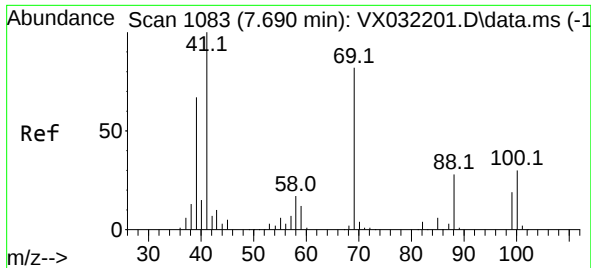
Tgt Ion:117 Resp: 14161
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 0.428 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 41 Resp: 423
Ion Ratio Lower Upper
41 100
39 30.5 45.5 68.3#
67 0.0 59.4 89.2#
52 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 0.211 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.092 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

TRE-1661

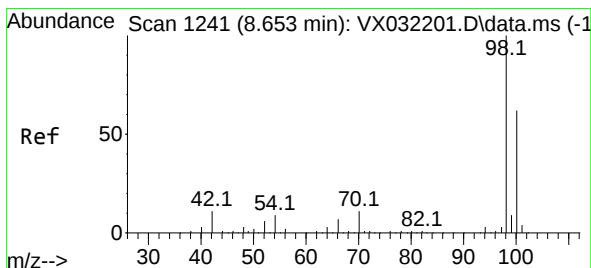
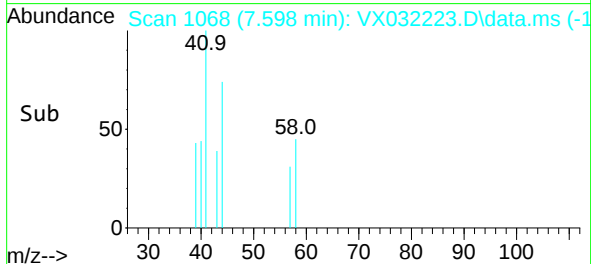
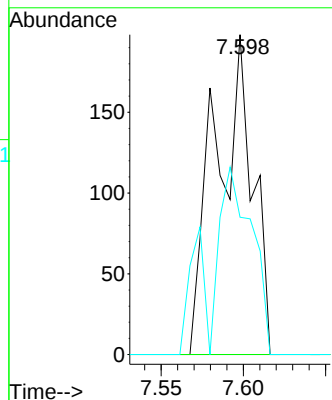
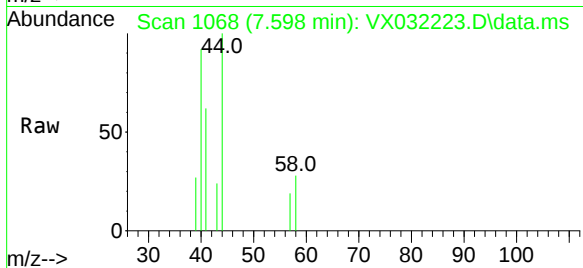
Tgt Ion: 41 Resp: 310

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 51.3 53.8 80.8#



#50

Toluene-d8

Concen: 48.385 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032223.D

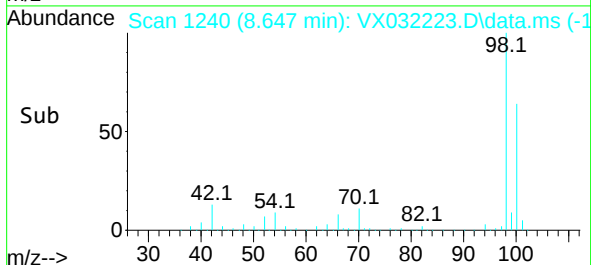
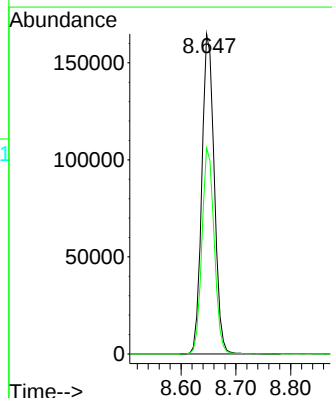
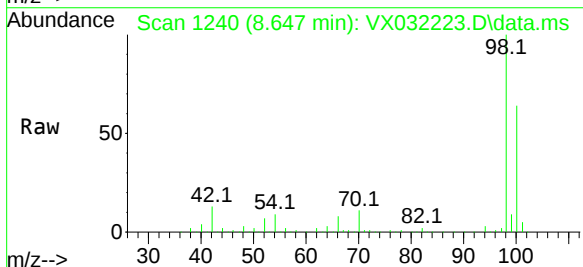
Acq: 19 Oct 2022 21:14

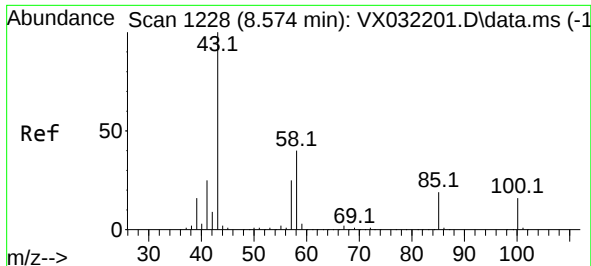
Tgt Ion: 98 Resp: 259419

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.219 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

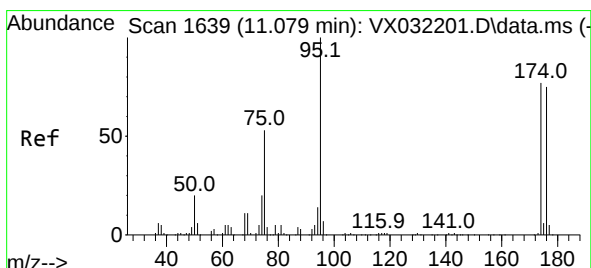
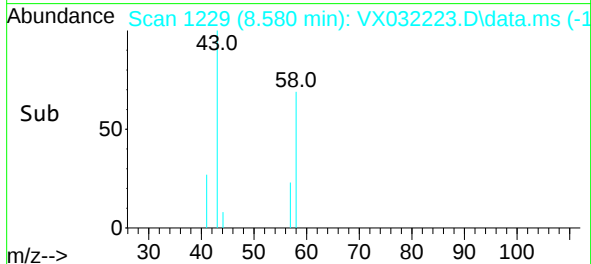
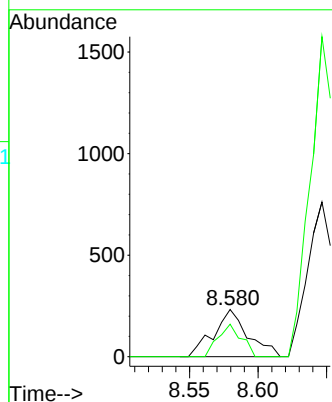
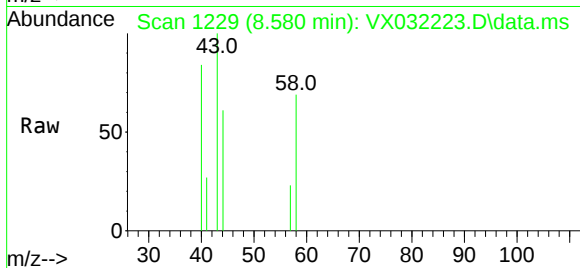
TRE-1661

Tgt Ion: 43 Resp: 405

Ion Ratio Lower Upper

43 100

58 46.7 31.0 46.4#



#62

4-Bromofluorobenzene

Concen: 47.270 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

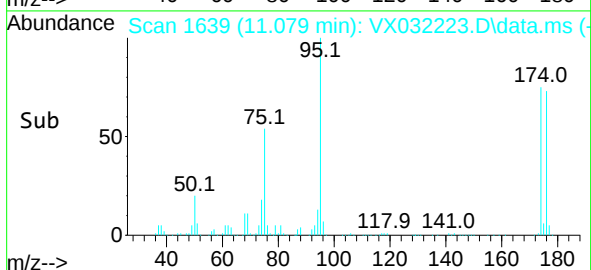
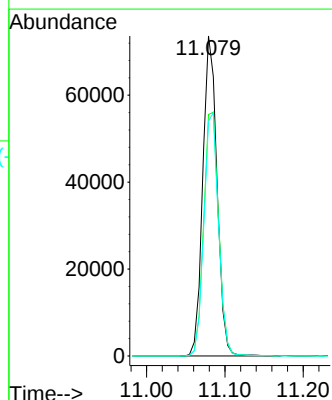
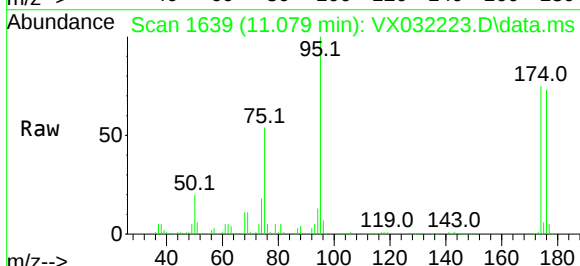
Tgt Ion: 95 Resp: 92807

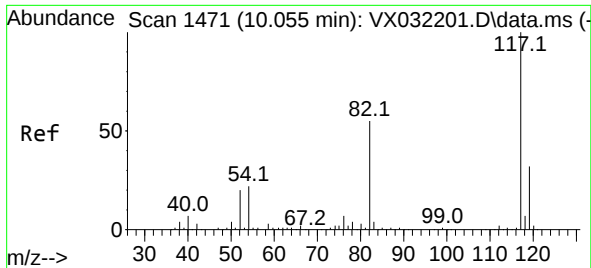
Ion Ratio Lower Upper

95 100

174 80.2 0.0 166.8

176 78.1 0.0 161.4

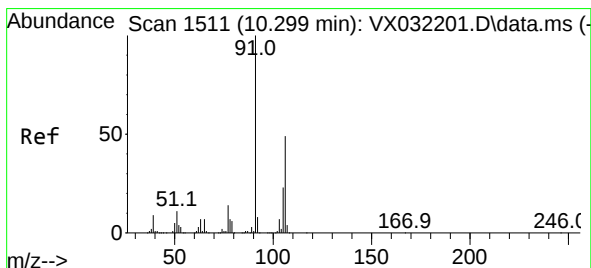
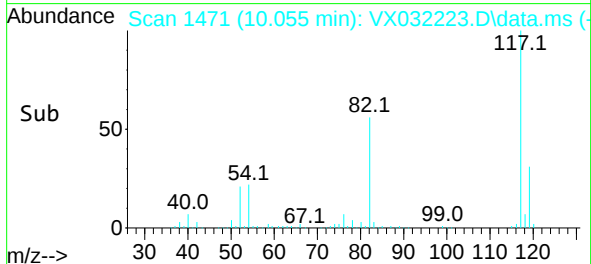
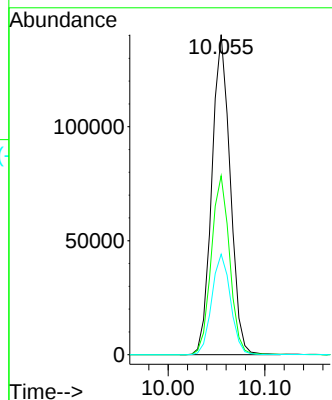
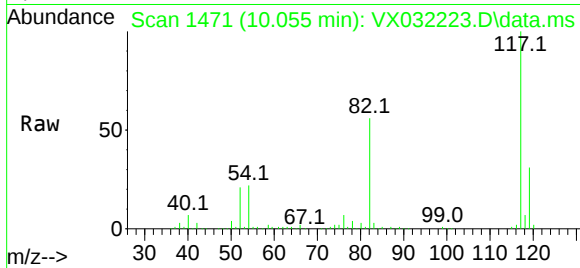




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

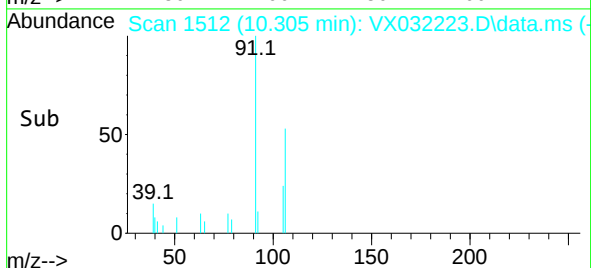
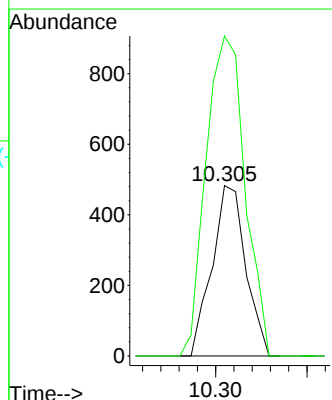
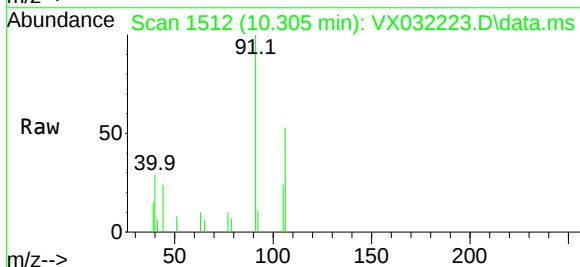
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

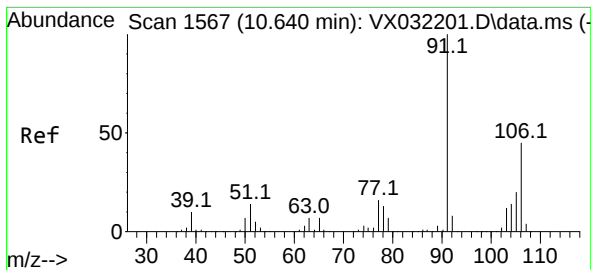
Tgt Ion:117 Resp: 185181
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.4
119 31.4 25.8 38.8



#68
m/p-Xylenes
Concen: 0.233 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion:106 Resp: 619
Ion Ratio Lower Upper
106 100
91 216.8 162.6 244.0





#69

o-Xylene

Concen: 0.203 ug/l

RT: 10.646 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

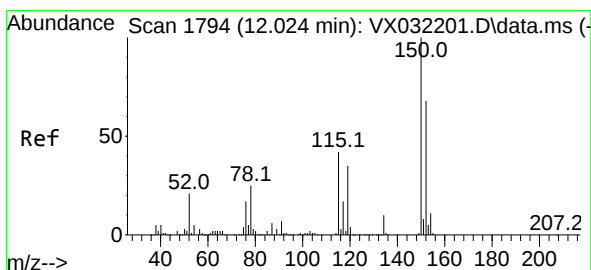
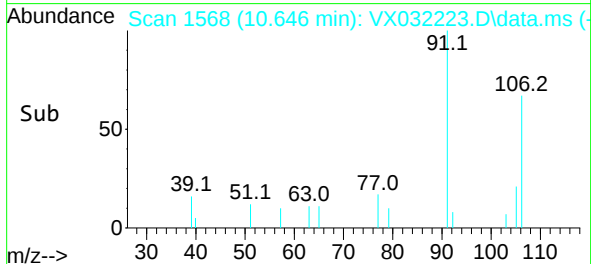
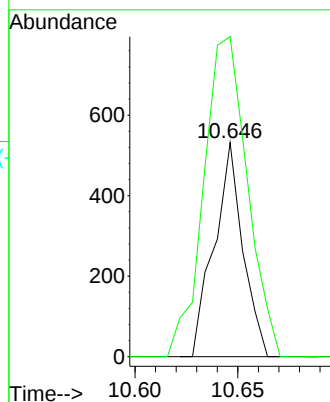
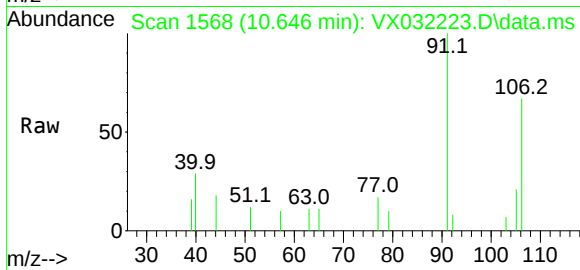
TRE-1661

Tgt Ion:106 Resp: 515

Ion Ratio Lower Upper

106 100

91 227.6 108.3 324.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

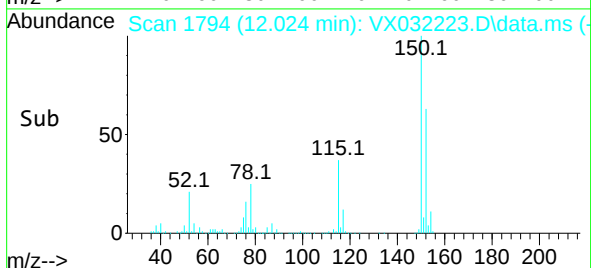
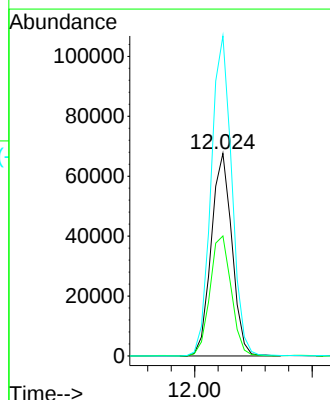
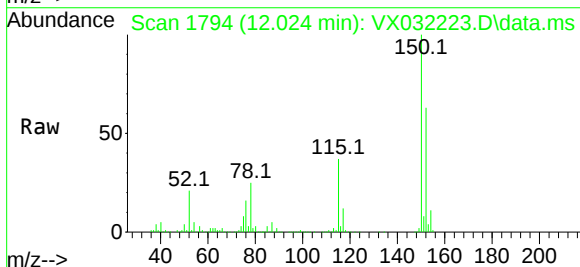
Tgt Ion:152 Resp: 82772

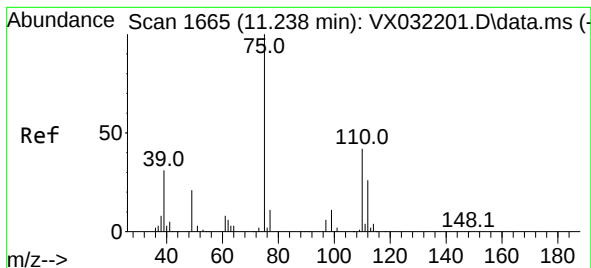
Ion Ratio Lower Upper

152 100

115 60.9 43.1 129.4

150 157.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 30.866 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

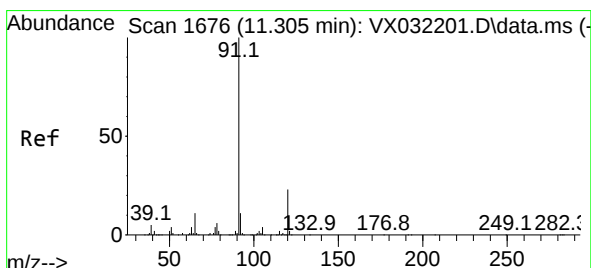
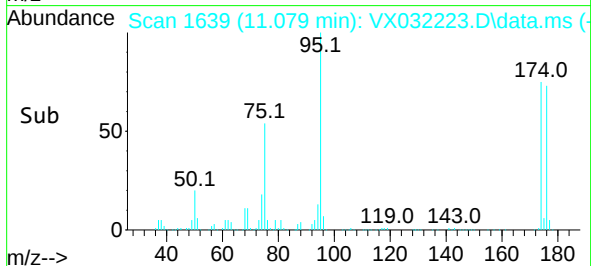
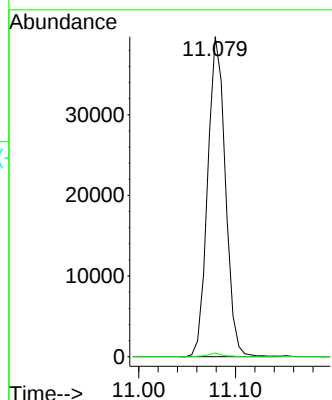
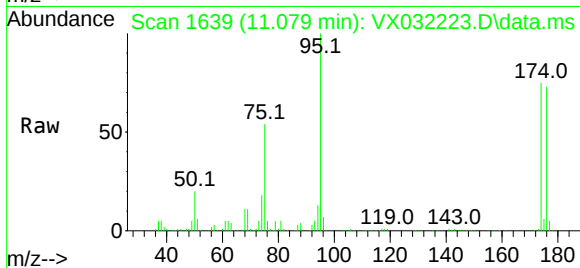
TRE-1661

Tgt Ion: 75 Resp: 50622

Ion Ratio Lower Upper

75 100

77 0.9 16.0 47.9#



#78

n-propylbenzene

Concen: 0.240 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032223.D

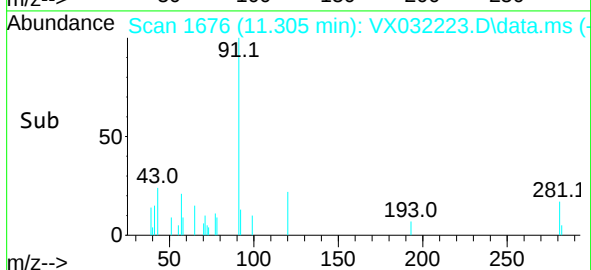
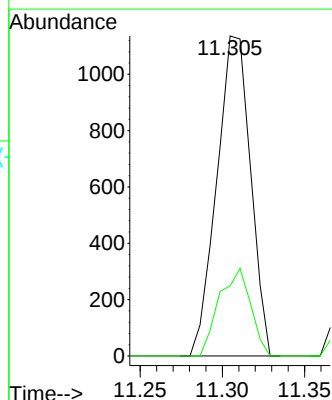
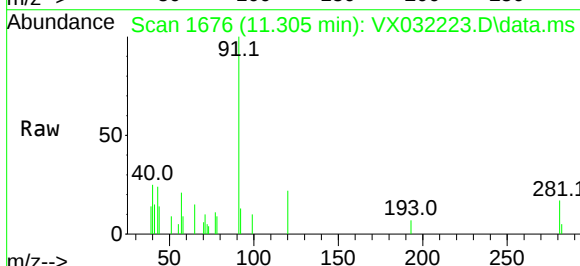
Acq: 19 Oct 2022 21:14

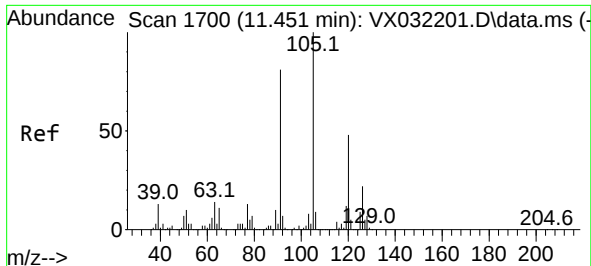
Tgt Ion: 91 Resp: 1620

Ion Ratio Lower Upper

91 100

120 25.5 11.6 34.8

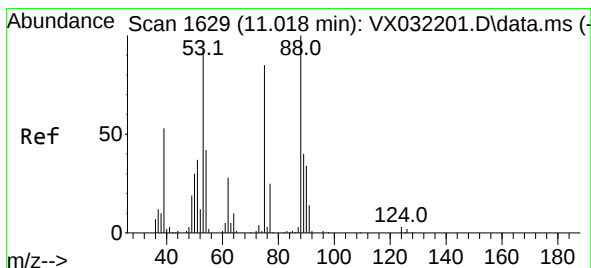
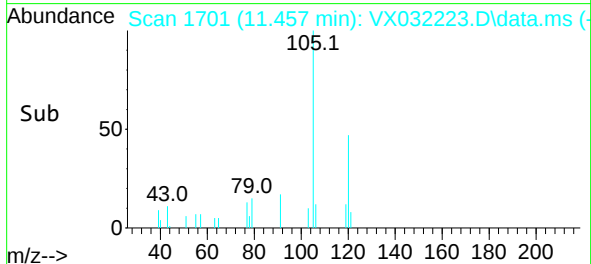
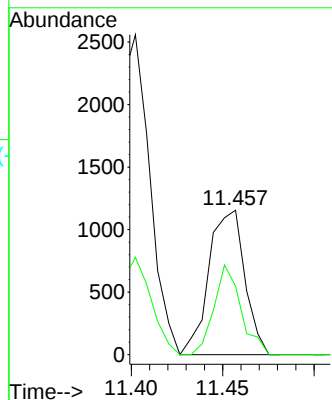
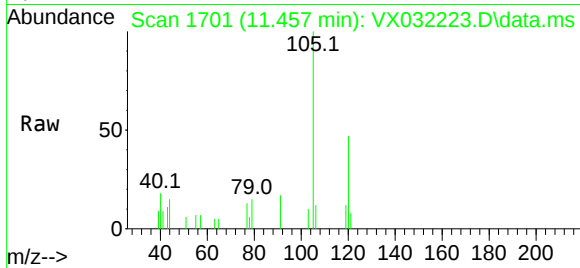




#80
1,3,5-Trimethylbenzene
Concen: 0.309 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

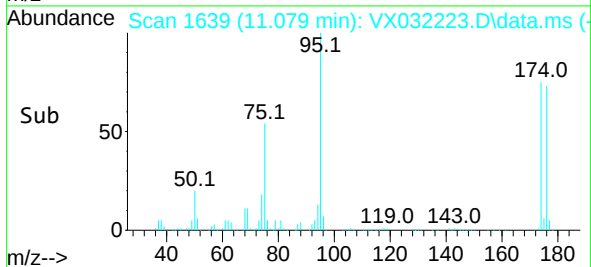
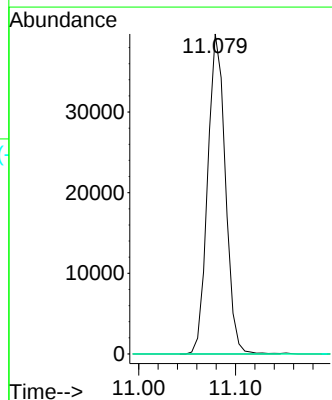
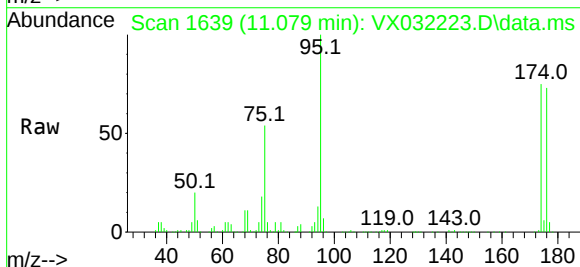
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

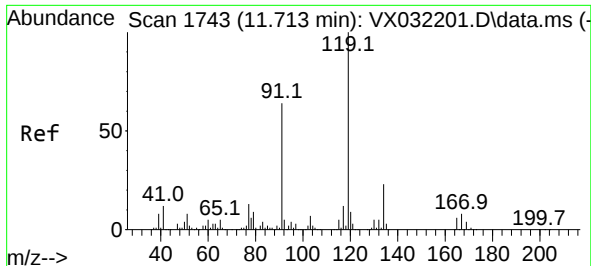
Tgt Ion:105 Resp: 1577
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.6



#81
trans-1,4-Dichloro-2-butene
Concen: 94.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 75 Resp: 50622
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

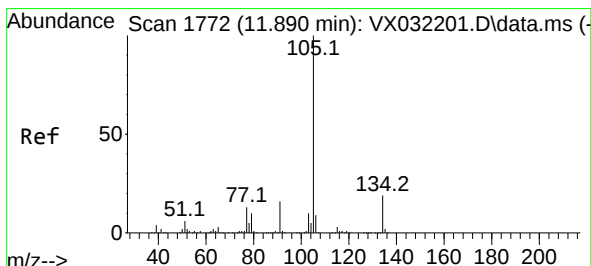
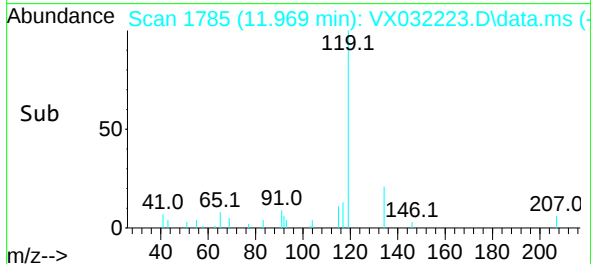
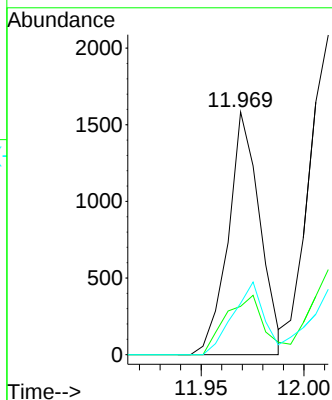
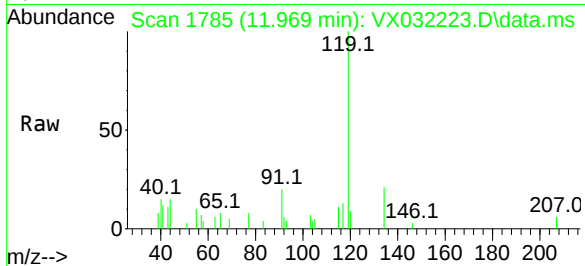




#83
tert-Butylbenzene
Concen: 0.332 ug/l
RT: 11.969 min Scan# 11
Delta R.T. 0.256 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

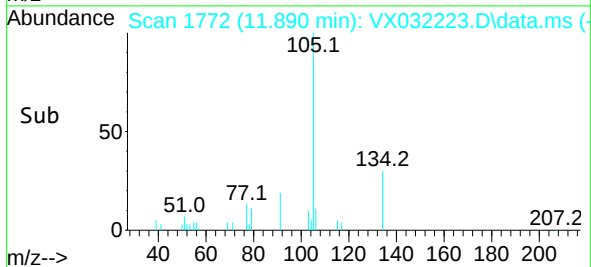
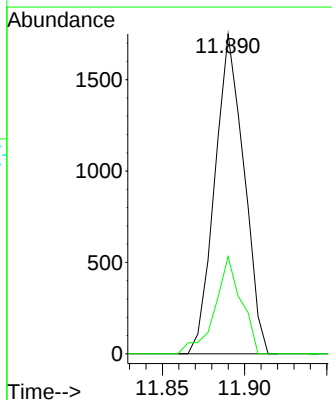
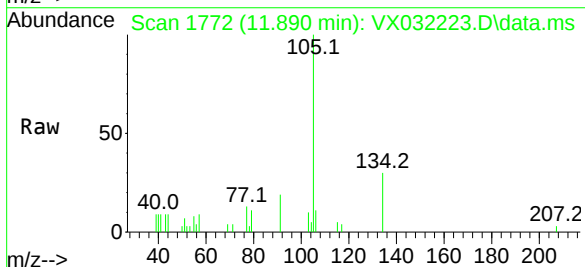
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

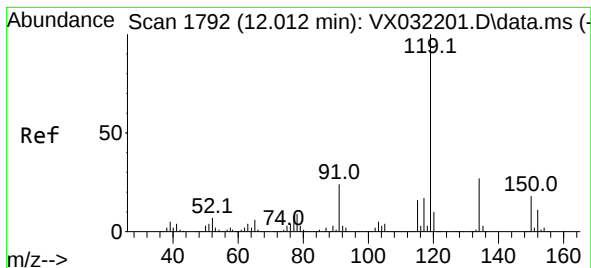
Tgt Ion:119 Resp: 1696
Ion Ratio Lower Upper
119 100
91 29.3 29.1 87.3
134 29.7 11.3 33.8



#85
sec-Butylbenzene
Concen: 0.349 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion:105 Resp: 2152
Ion Ratio Lower Upper
105 100
134 27.6 10.1 30.3





#86

p-Isopropyltoluene

Concen: 0.443 ug/l

RT: 12.012 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

TRE-1661

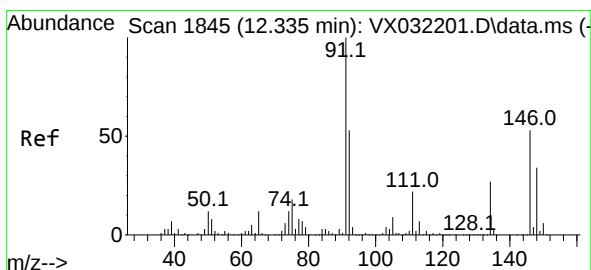
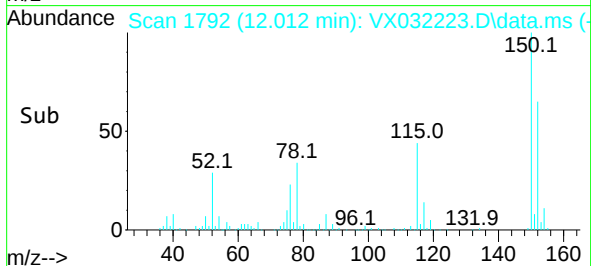
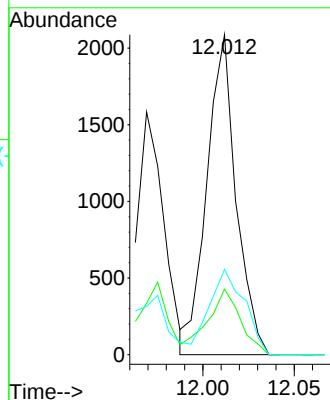
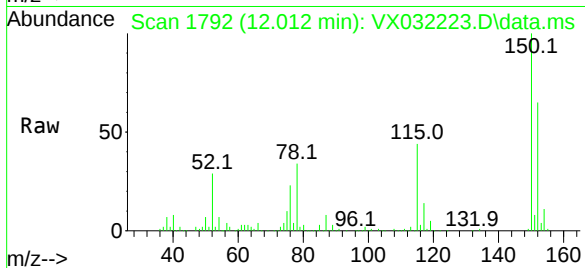
Tgt Ion:119 Resp: 2325

Ion Ratio Lower Upper

119 100

134 23.4 13.2 39.5

91 31.7 12.4 37.2



#89

n-Butylbenzene

Concen: 1.080 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032223.D

Acq: 19 Oct 2022 21:14

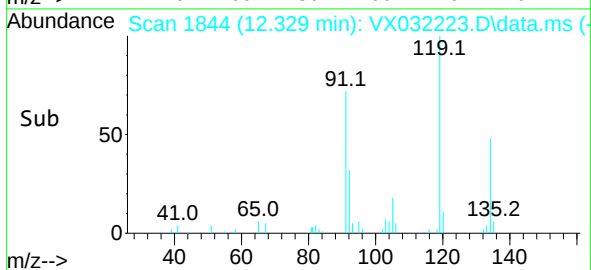
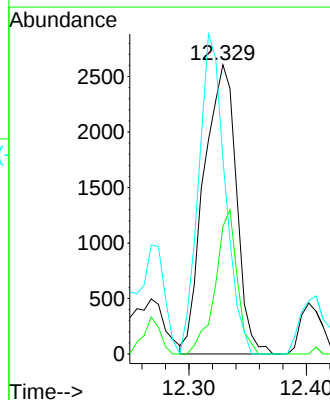
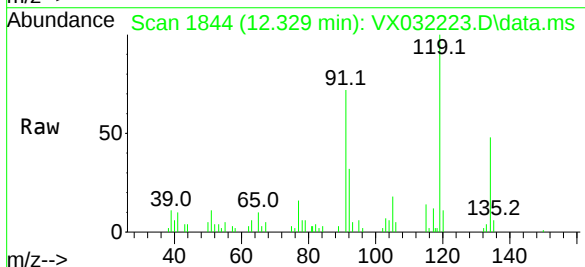
Tgt Ion: 91 Resp: 4993

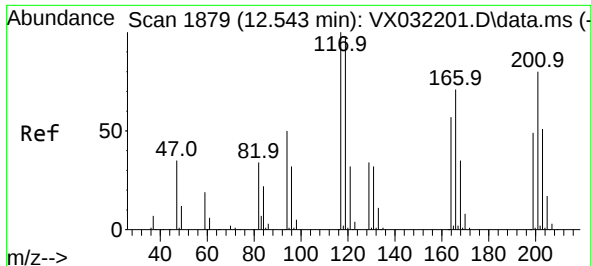
Ion Ratio Lower Upper

91 100

92 33.7 26.3 78.9

134 89.9 13.0 39.0#

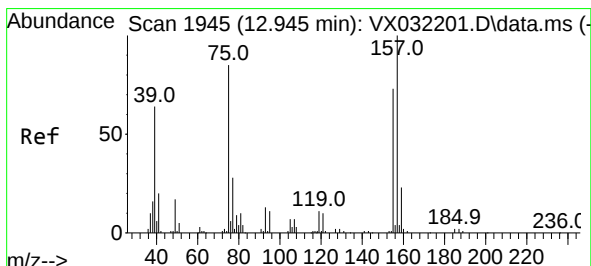
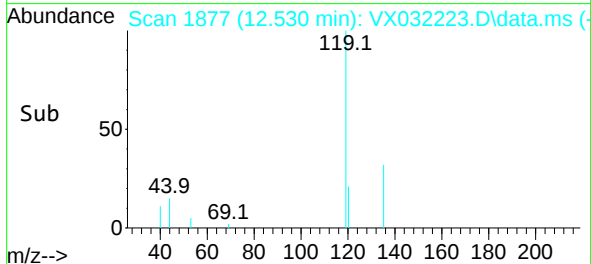
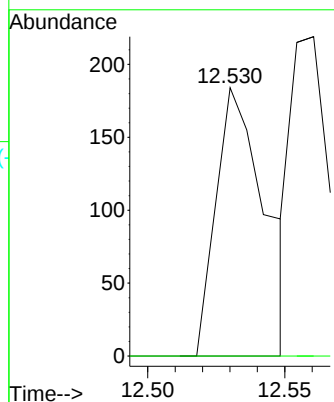
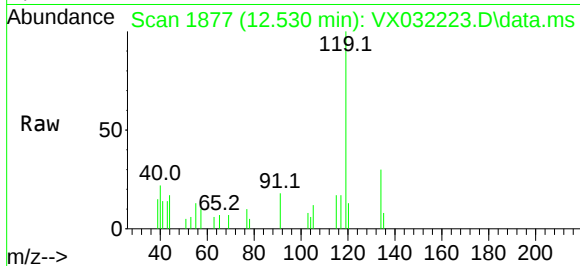




#90
Hexachloroethane
Concen: 0.280 ug/l
RT: 12.530 min Scan# 1879
Delta R.T. -0.013 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

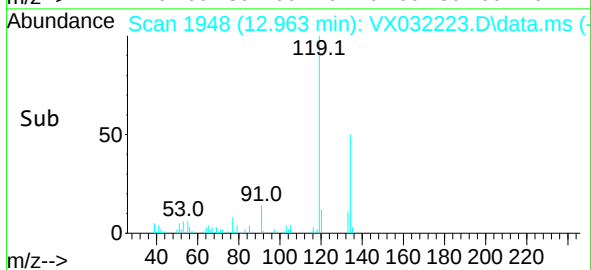
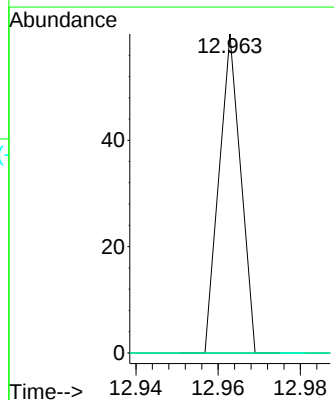
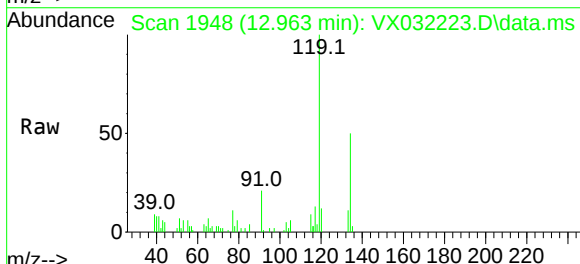
Instrument :
MSVOA_X
ClientSampleId :
TRE-1661

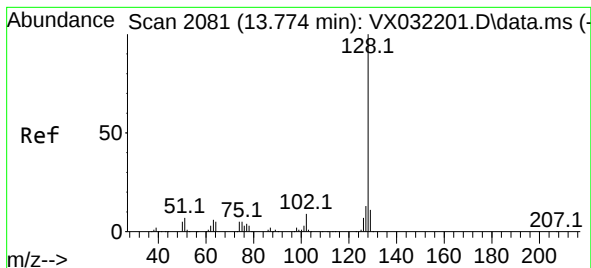
Tgt Ion:117 Resp: 228
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX032223.D
Acq: 19 Oct 2022 21:14

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 57.1 171.5#





#95

Naphthalene

Concen: 0.202 ug/l

RT: 13.792 min Scan# 20

Delta R.T. 0.018 min

Lab File: VX032223.D

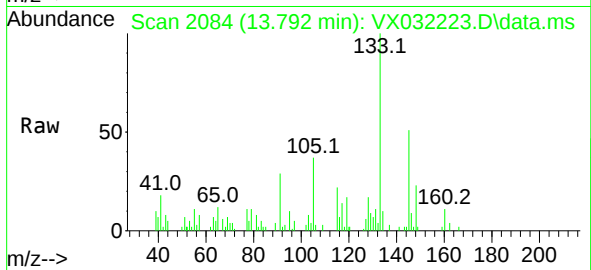
Acq: 19 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

TRE-1661



Tgt Ion:128 Resp: 1152

Ion Ratio Lower Upper

128 100

127 35.5 10.3 15.5#

129 77.7 8.7 13.1#

