

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032219.D
 Acq On : 19 Oct 2022 19:42
 Operator : JC/MD
 Sample : N5170-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1664

Quant Time: Oct 20 04:30:38 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)

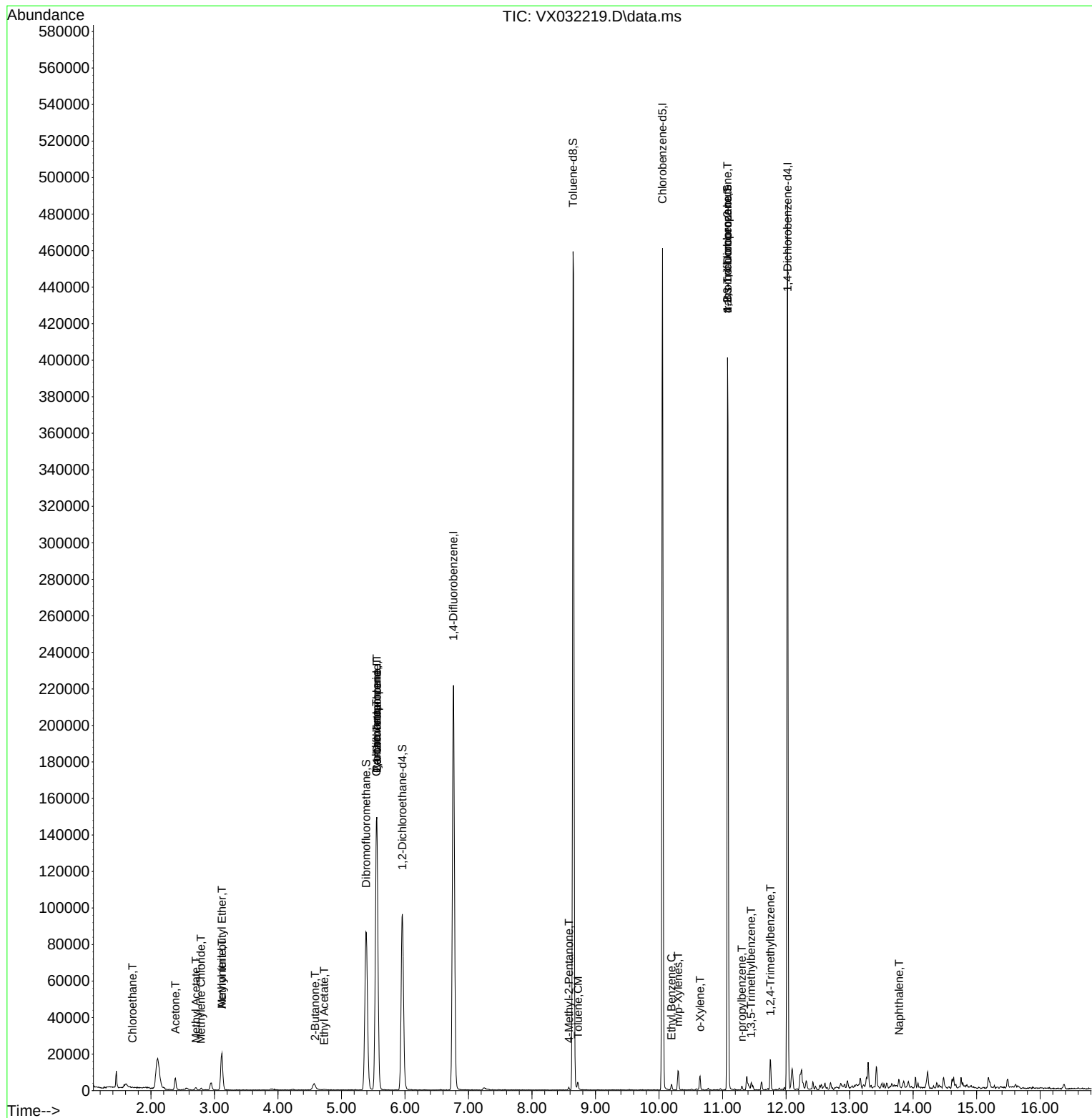
Internal Standards						
1) Pentafluorobenzene	5.556	168	142164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96113	51.970	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.940%
35) Dibromofluoromethane	5.385	113	75017	48.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	8.647	98	278160	49.484	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.960%
62) 4-Bromofluorobenzene	11.079	95	99402	48.291	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.580%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	20	Below Cal	#	44
6) Chloroethane	1.709	64	127	2.040	ug/l #	41
11) Tert butyl alcohol	2.947	59	2453	Below Cal	#	74
15) Acrylonitrile	3.117	53	232	0.334	ug/l #	6
16) Acetone	2.386	43	7349	12.245	ug/l	95
18) Methyl Acetate	2.709	43	1688	0.828	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	22180	5.073	ug/l	97
20) Methylene Chloride	2.788	84	434	0.282	ug/l #	78
25) 2-Butanone	4.586	43	844	0.901	ug/l #	48
31) Cyclohexane	5.550	56	3183	1.505	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	10904	5.428	ug/l #	49
37) Ethyl Acetate	4.727	43	614	0.312	ug/l #	68
38) Carbon Tetrachloride	5.556	117	14315	6.751	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	729	0.377	ug/l	95
52) Toluene	8.726	92	1537	0.408	ug/l	98
67) Ethyl Benzene	10.195	91	2056	0.283	ug/l	99
68) m/p-Xylenes	10.299	106	2666	0.930	ug/l	97
69) o-Xylene	10.646	106	1773	0.646	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	54105	28.505	ug/l #	45
78) n-propylbenzene	11.305	91	1600	0.204	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1818	0.308	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	54105	87.368	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	7640	1.331	ug/l	98
95) Naphthalene	13.780	128	2923	0.443	ug/l #	97

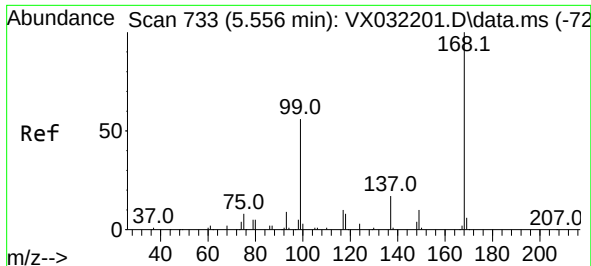
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032219.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TRE-1664

Quant Time: Oct 20 04:30:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
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QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

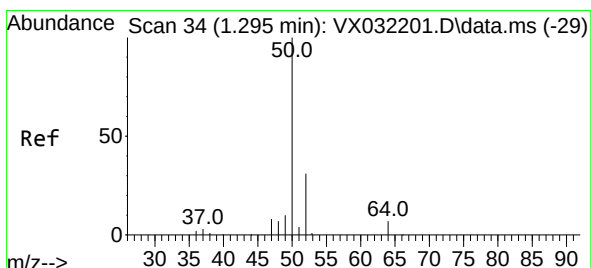
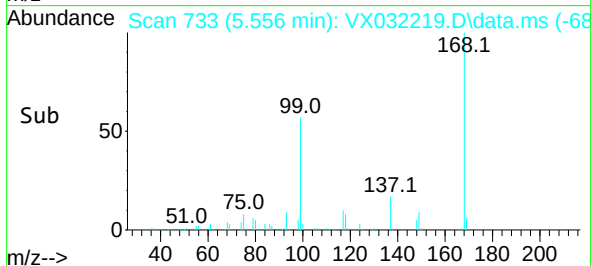
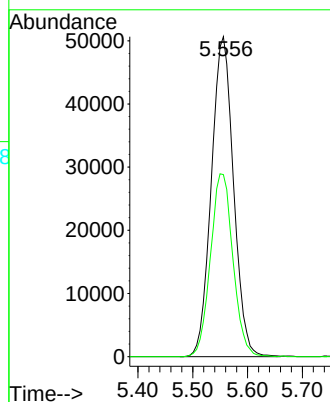
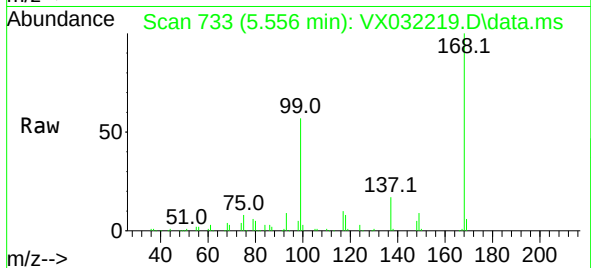




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

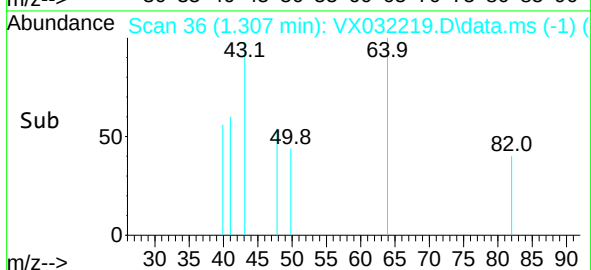
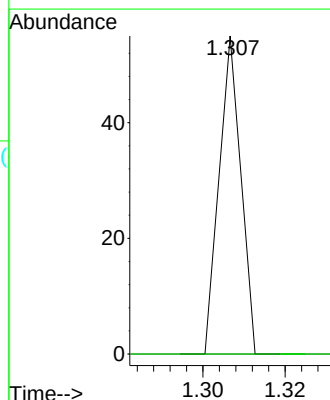
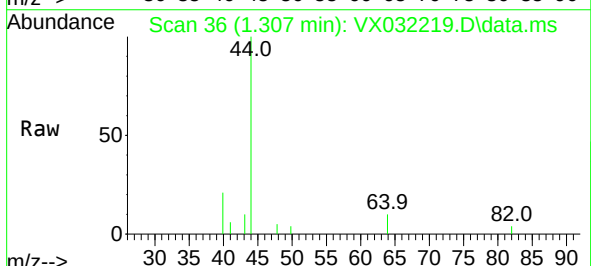
Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

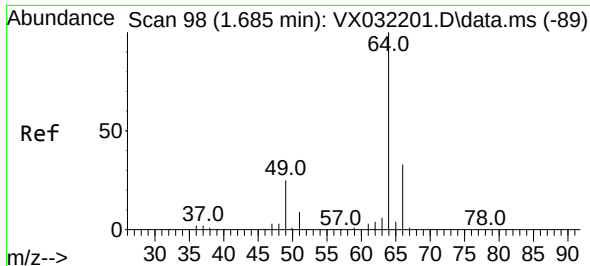
Tgt Ion:168 Resp: 142164
Ion Ratio Lower Upper
168 100
99 56.9 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 50 Resp: 20
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

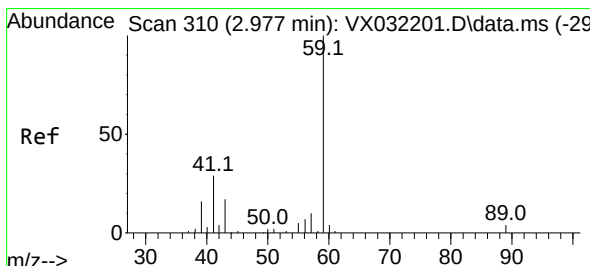
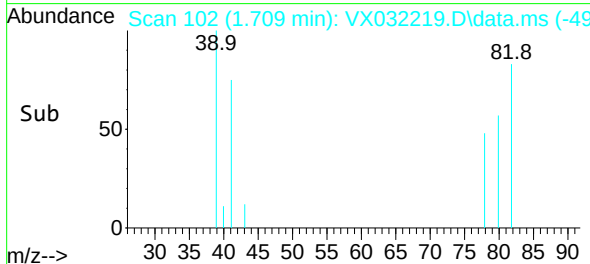
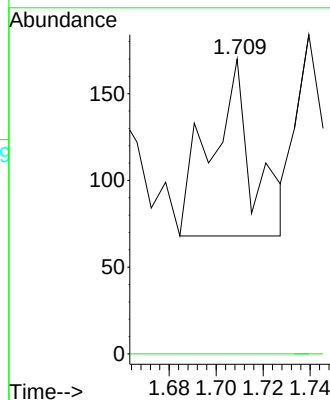
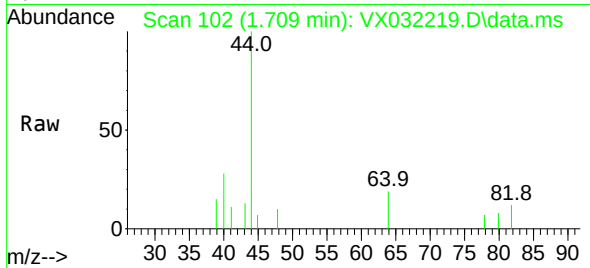




#6
Chloroethane
Concen: 2.040 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

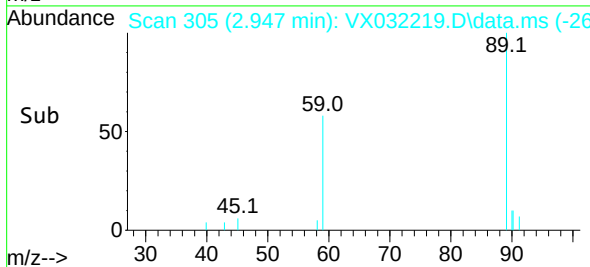
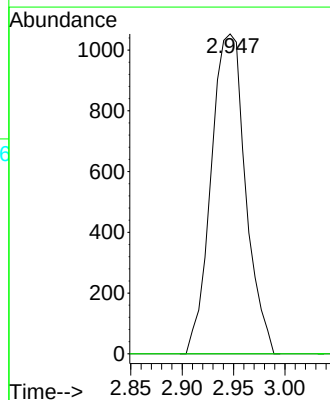
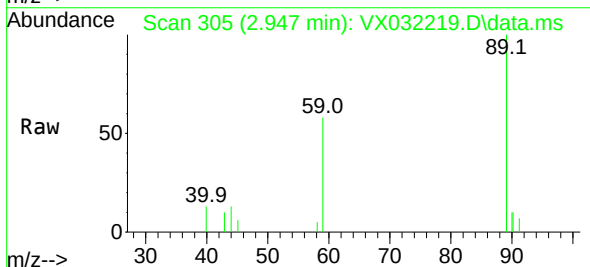
Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

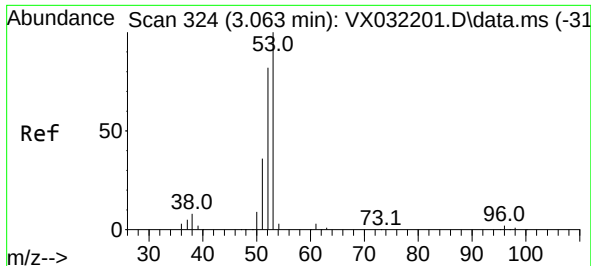
Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 59 Resp: 2453
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#15

Acrylonitrile

Concen: 0.334 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.054 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

Instrument :

MSVOA_X

ClientSampleId :

TRE-1664

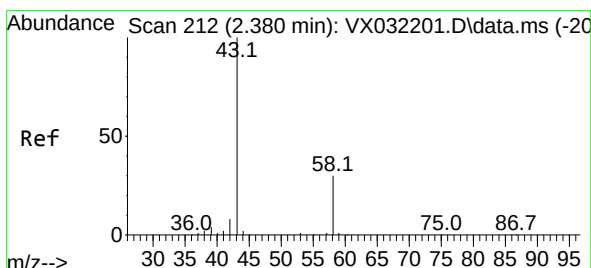
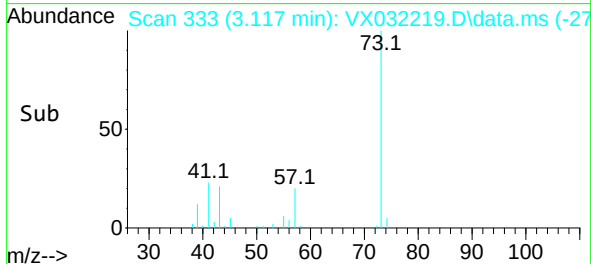
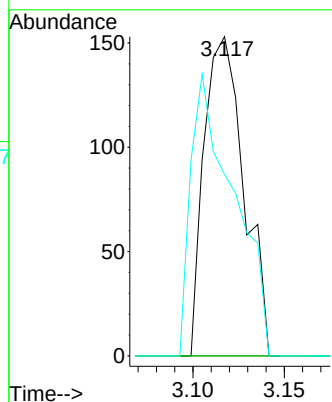
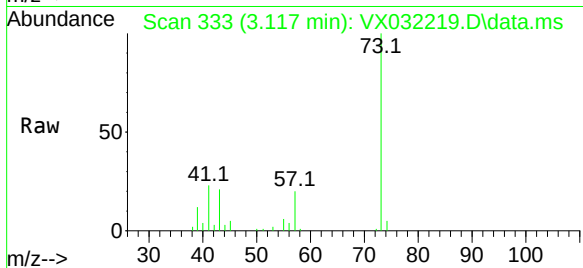
Tgt Ion: 53 Resp: 232

Ion Ratio Lower Upper

53 100

52 0.0 65.9 98.9#

51 95.3 29.7 44.5#



#16

Acetone

Concen: 12.245 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX032219.D

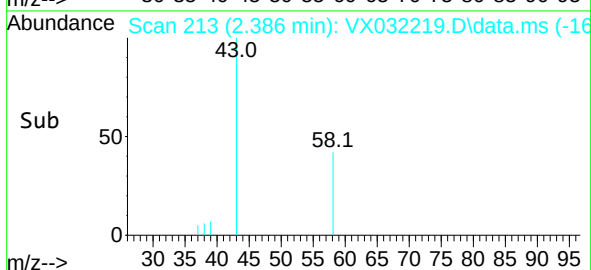
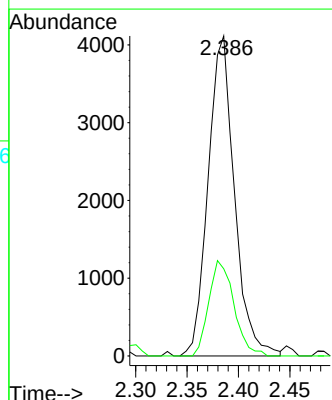
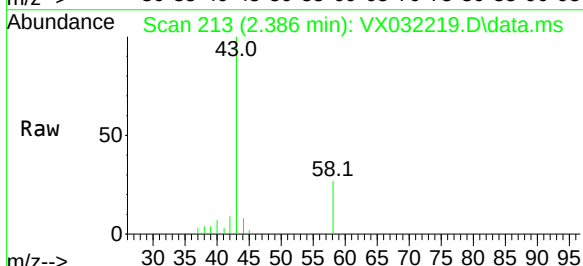
Acq: 19 Oct 2022 19:42

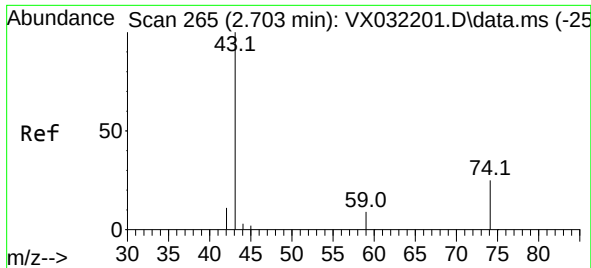
Tgt Ion: 43 Resp: 7349

Ion Ratio Lower Upper

43 100

58 27.2 24.2 36.2





#18

Methyl Acetate

Concen: 0.828 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

Instrument :

MSVOA_X

ClientSampleId :

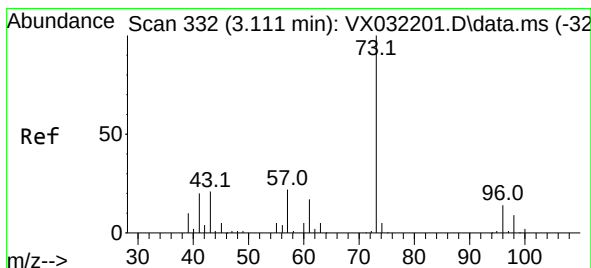
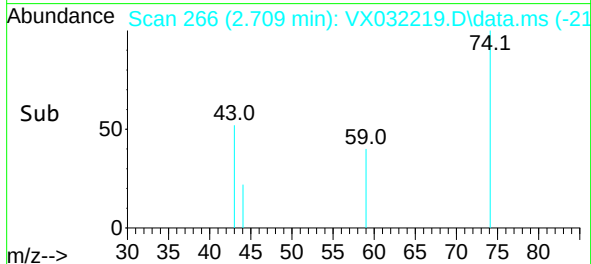
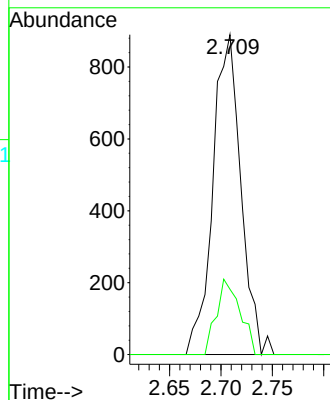
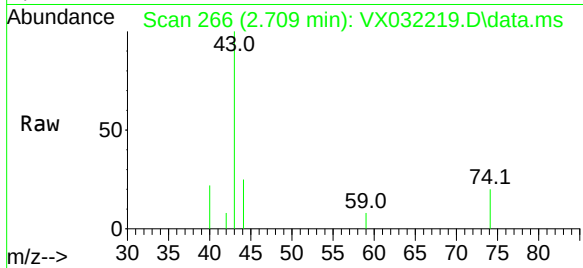
TRE-1664

Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

74 19.8 19.8 29.8



#19

Methyl tert-butyl Ether

Concen: 5.073 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX032219.D

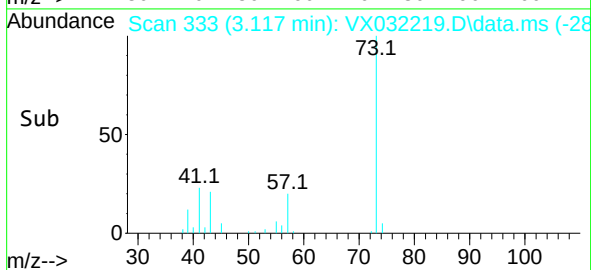
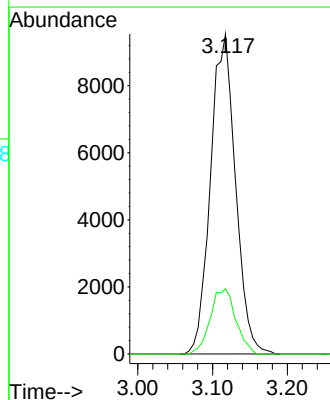
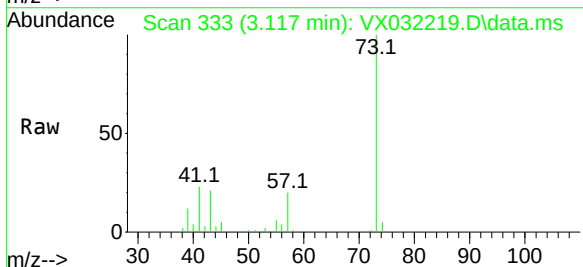
Acq: 19 Oct 2022 19:42

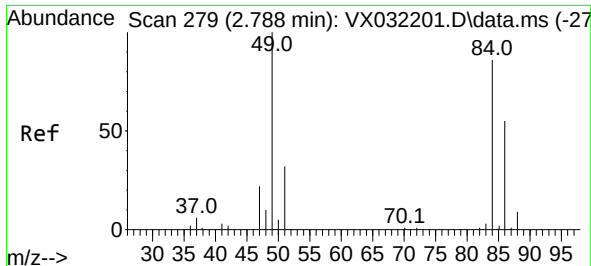
Tgt Ion: 73 Resp: 22180

Ion Ratio Lower Upper

73 100

57 20.3 17.4 26.2

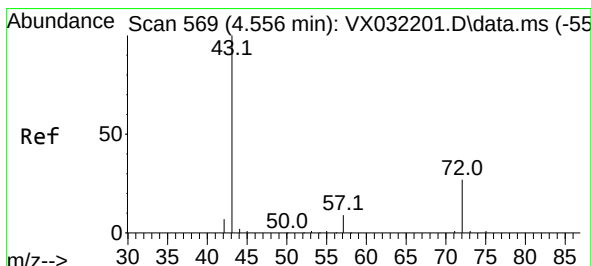
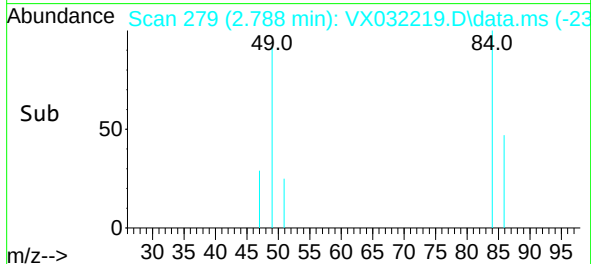
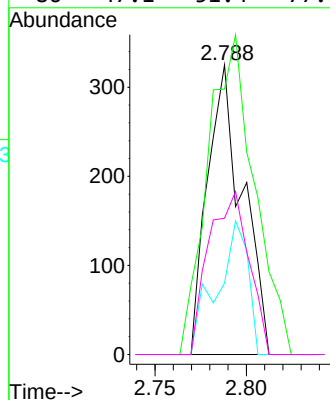
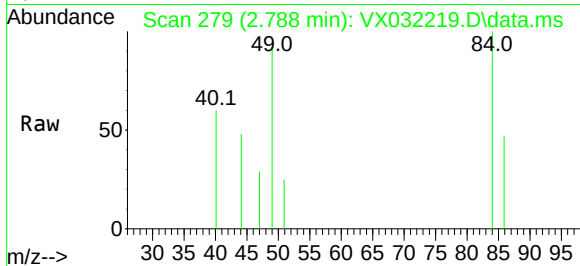




#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

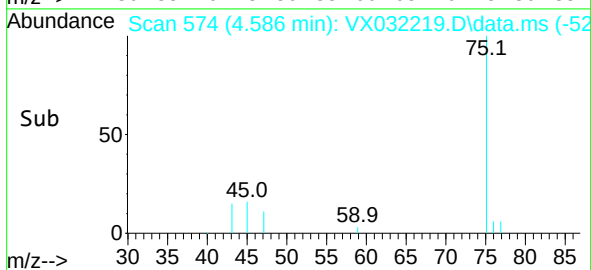
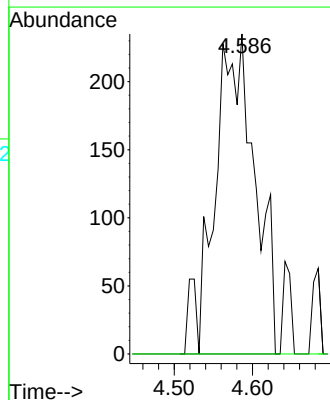
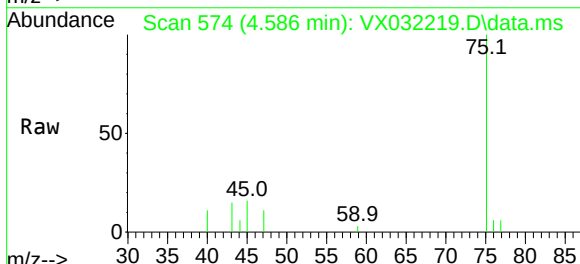
Instrument :
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TRE-1664

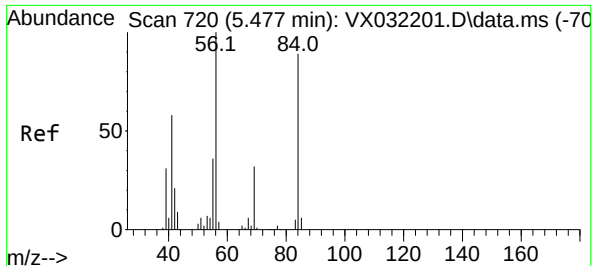
Tgt Ion: 84	Resp:	434
Ion	Ratio	Lower Upper
84	100	
49	91.7	92.6 139.0#
51	24.6	29.2 43.8#
86	47.1	51.4 77.0#



#25
2-Butanone
Concen: 0.901 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

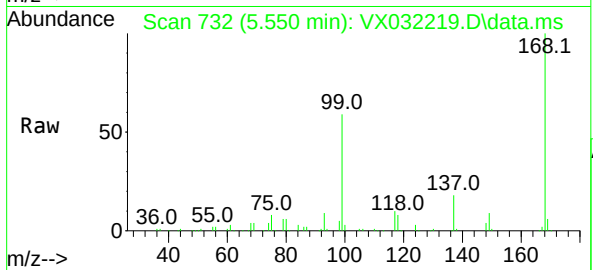
Tgt Ion: 43	Resp:	844
Ion	Ratio	Lower Upper
43	100	
72	0.0	21.7 32.5#



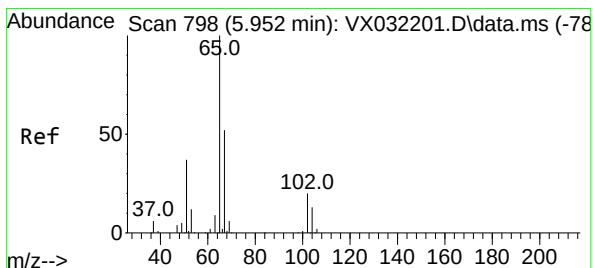
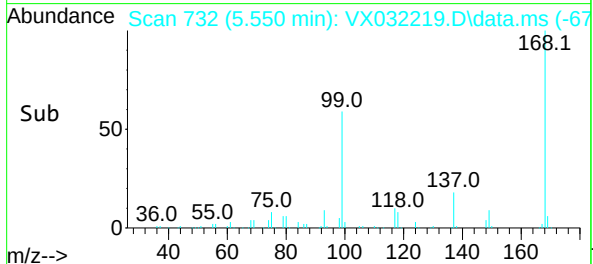
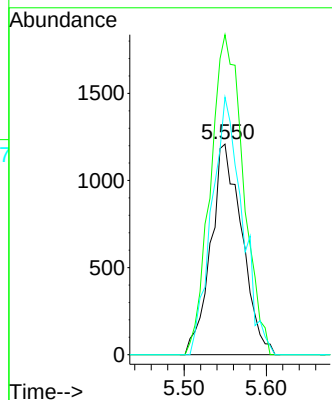


#31
Cyclohexane
Concen: 1.505 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

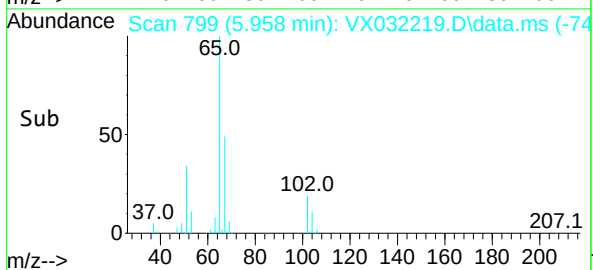
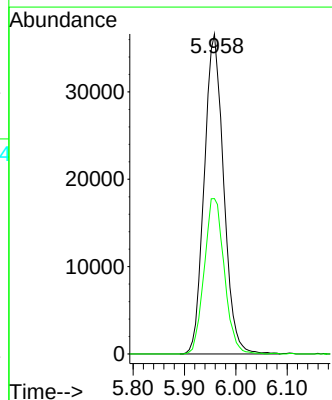
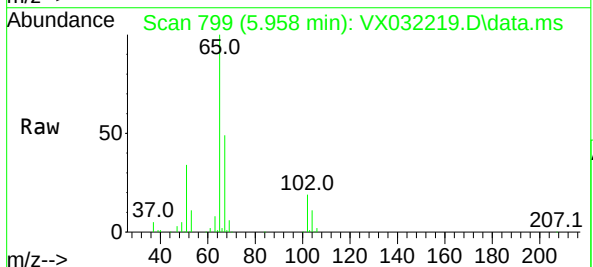


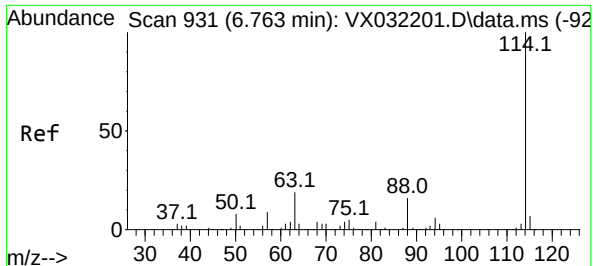
Tgt Ion: 56 Resp: 3183
Ion Ratio Lower Upper
56 100
69 151.9 25.4 38.0#
84 122.2 71.2 106.8#



#33
1,2-Dichloroethane-d4
Concen: 51.970 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 65 Resp: 96113
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.6

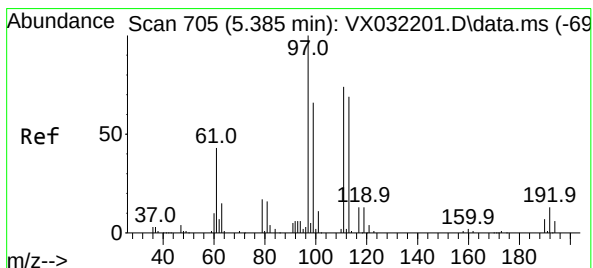
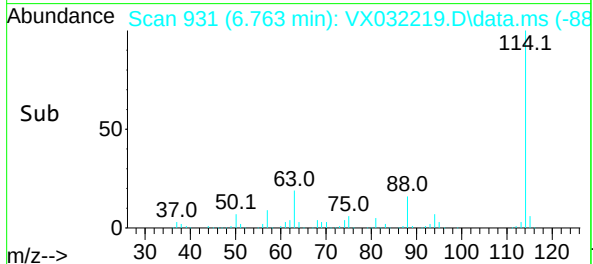
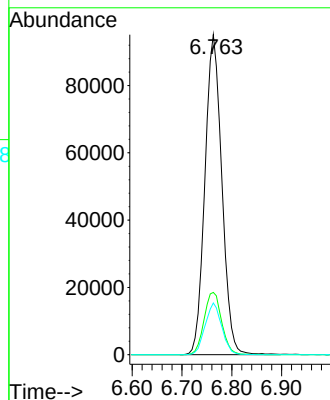
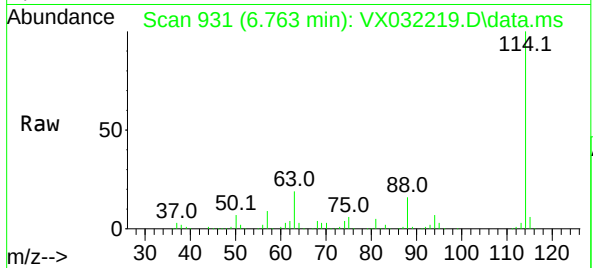




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

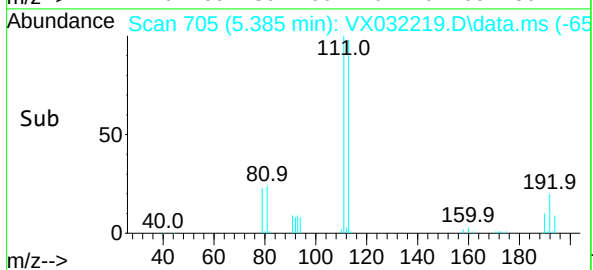
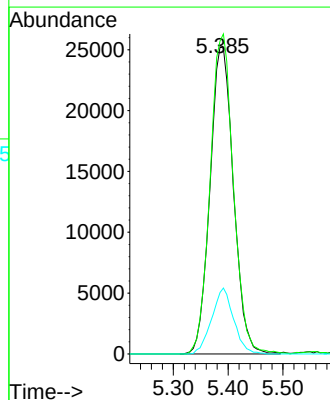
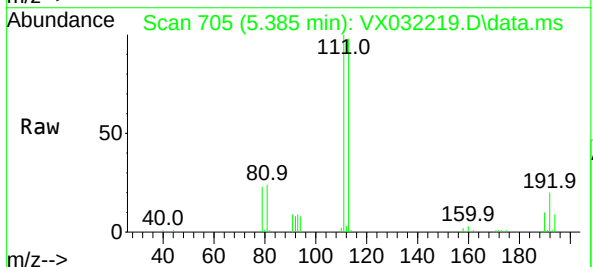
Instrument :
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TRE-1664

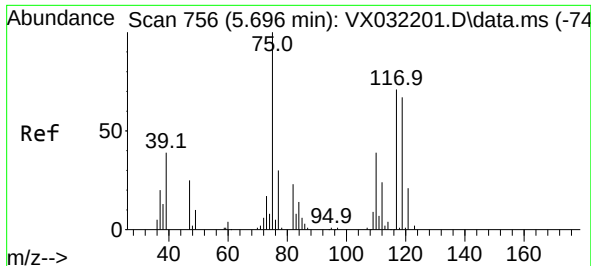
Tgt Ion:114 Resp: 224406
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.040 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion:113 Resp: 75017
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.1 15.5 23.3





#36

1,1-Dichloropropene

Concen: 5.428 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

Instrument :

MSVOA_X

ClientSampleId :

TRE-1664

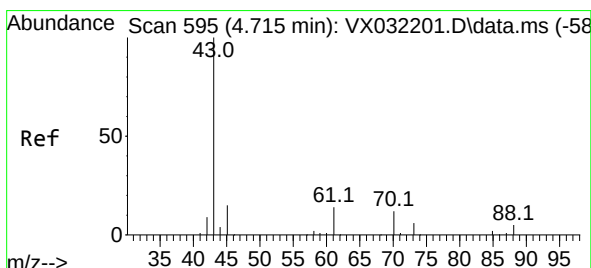
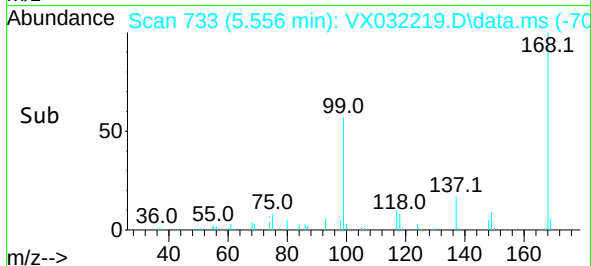
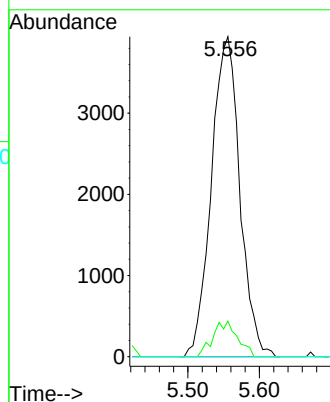
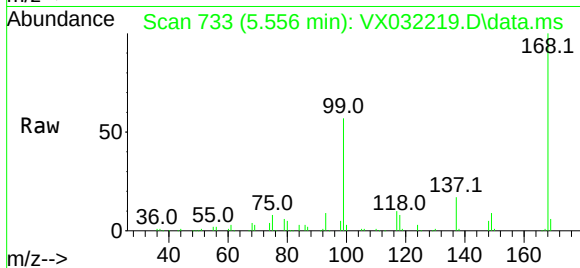
Tgt Ion: 75 Resp: 10904

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.312 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

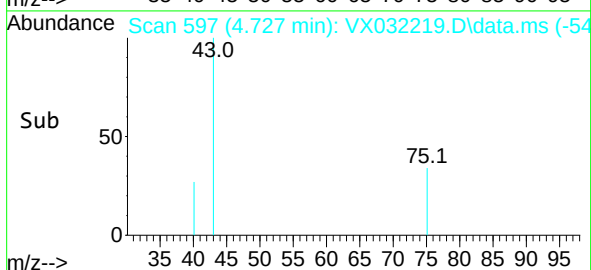
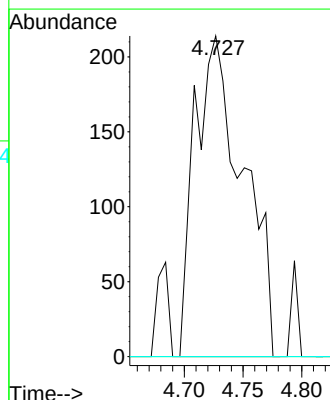
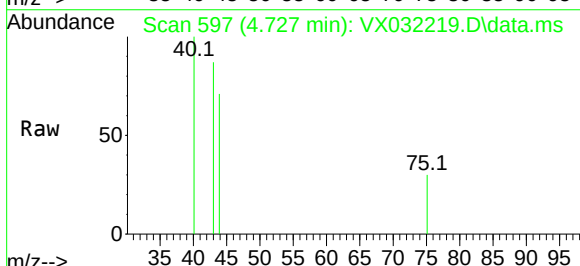
Tgt Ion: 43 Resp: 614

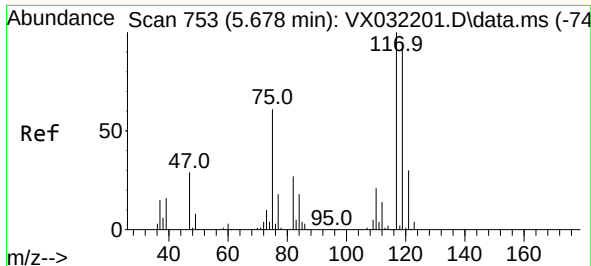
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

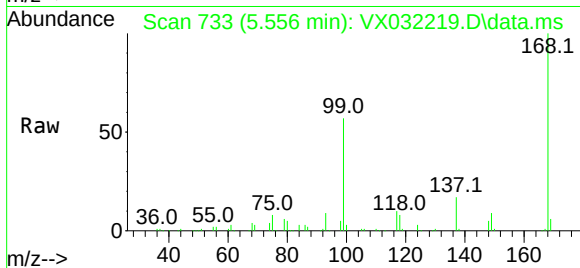
70 0.0 8.8 13.2#



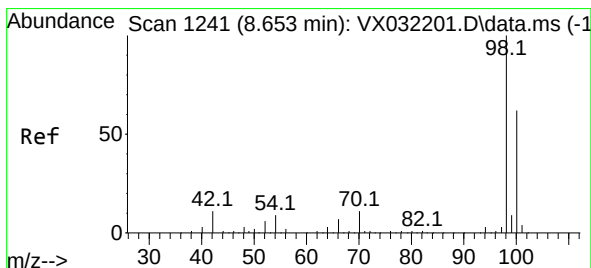
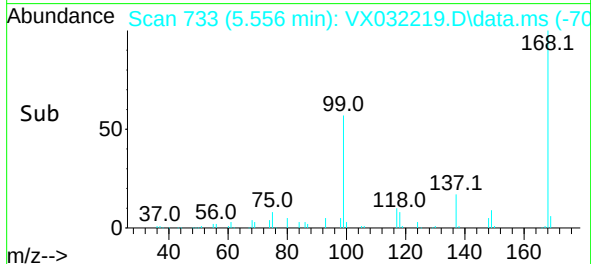
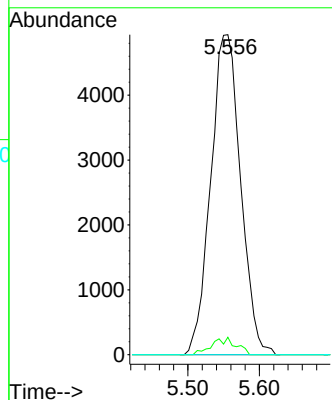


#38
Carbon Tetrachloride
Concen: 6.751 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

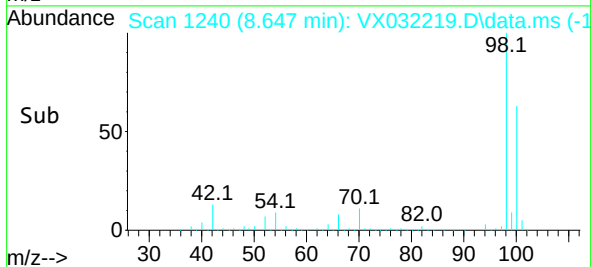
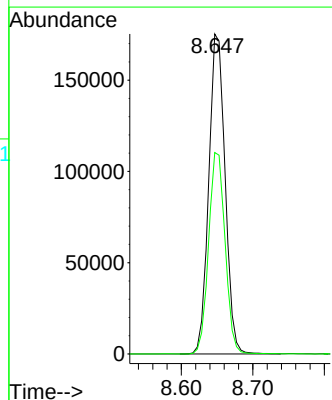
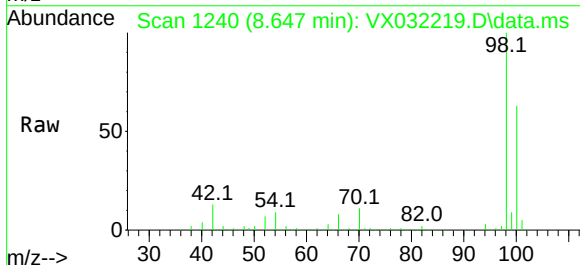


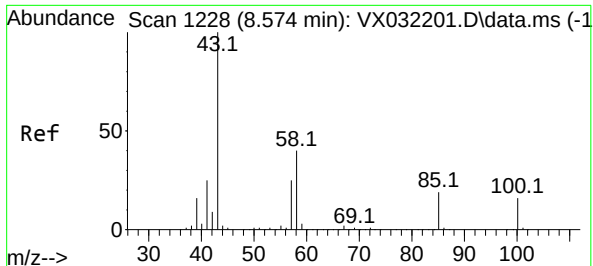
Tgt Ion:117 Resp: 14315
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.484 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 98 Resp: 278160
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

Instrument :

MSVOA_X

ClientSampleId :

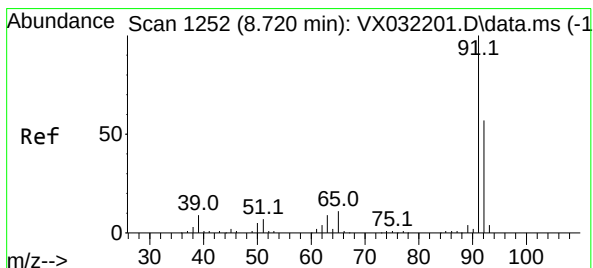
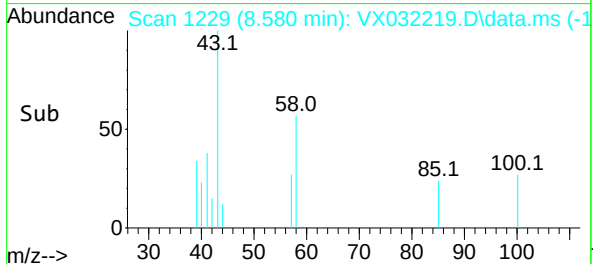
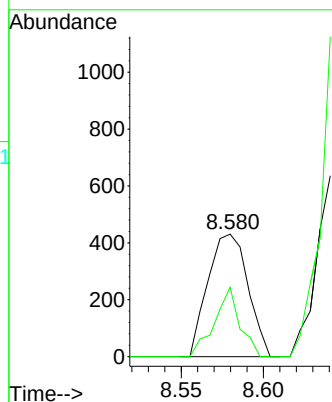
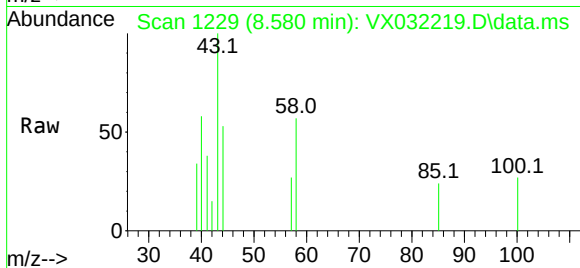
TRE-1664

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

58 35.7 31.0 46.4



#52

Toluene

Concen: 0.408 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX032219.D

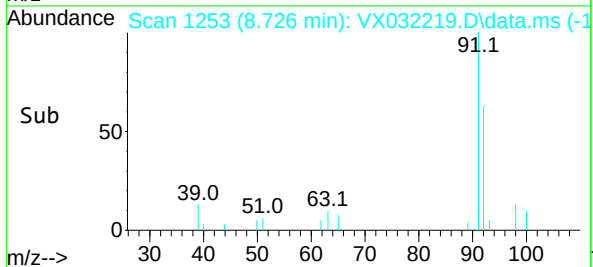
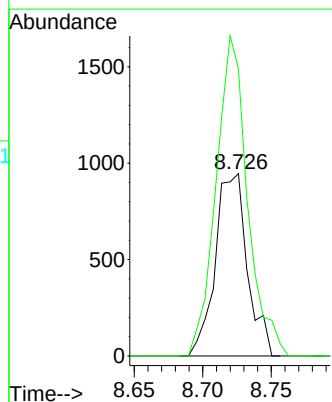
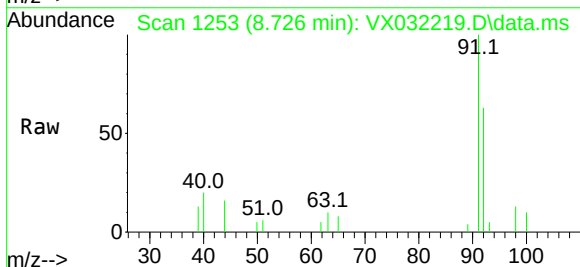
Acq: 19 Oct 2022 19:42

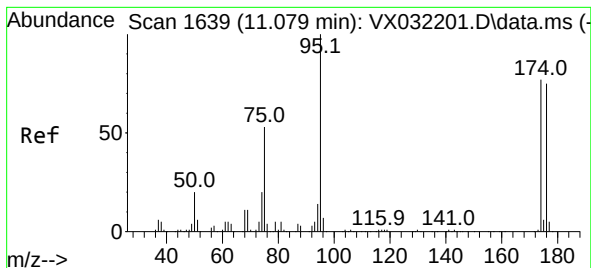
Tgt Ion: 92 Resp: 1537

Ion Ratio Lower Upper

92 100

91 172.7 140.3 210.5

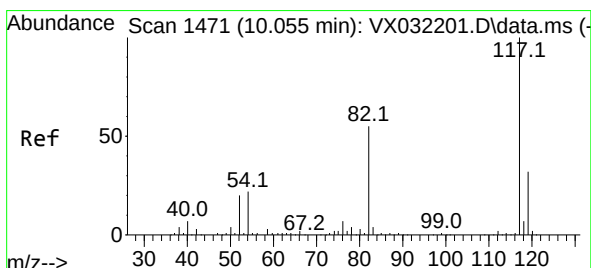
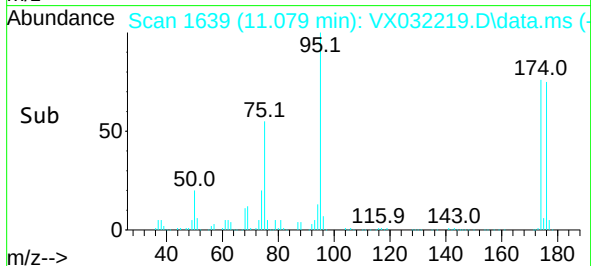
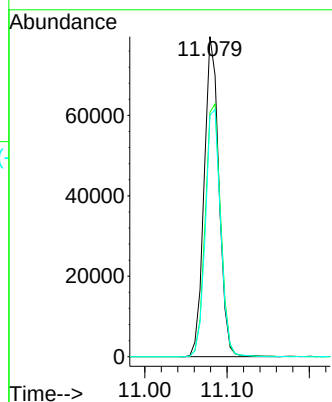
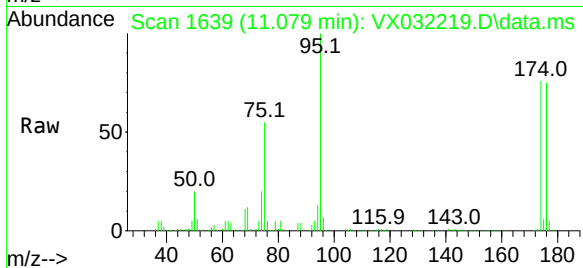




#62
4-Bromofluorobenzene
Concen: 48.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

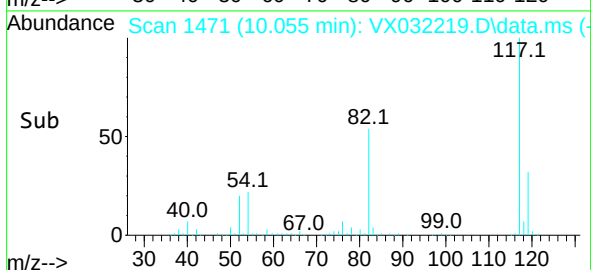
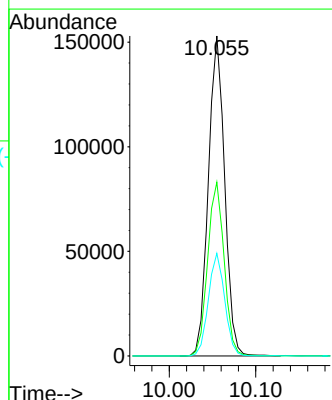
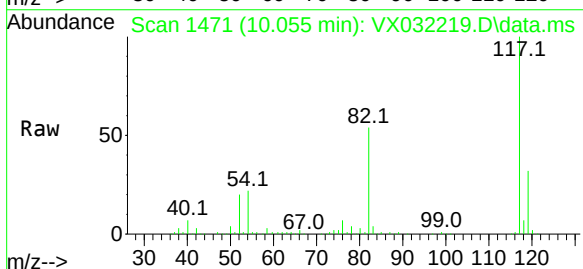
Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

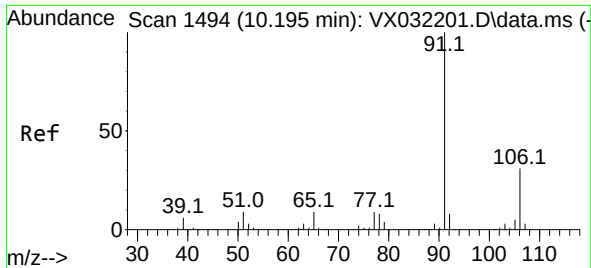
Tgt Ion: 95 Resp: 99402
Ion Ratio Lower Upper
95 100
174 82.6 0.0 166.8
176 79.5 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 117 Resp: 199903
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.4
119 32.0 25.8 38.8

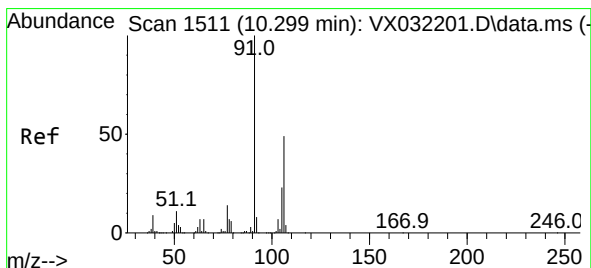
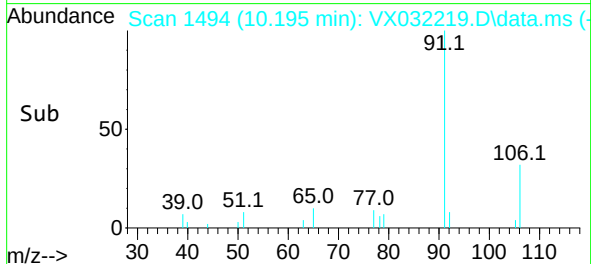
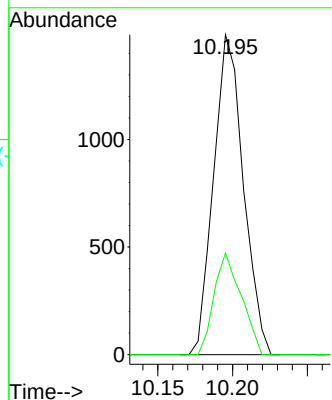
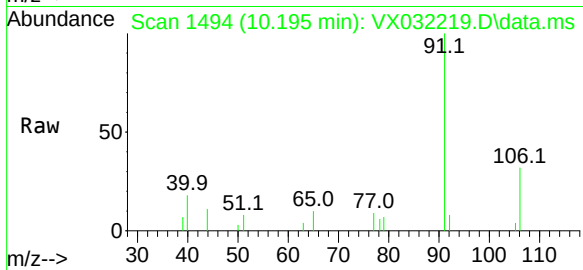




#67
Ethyl Benzene
Concen: 0.283 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

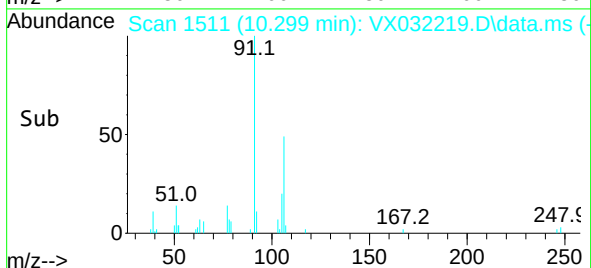
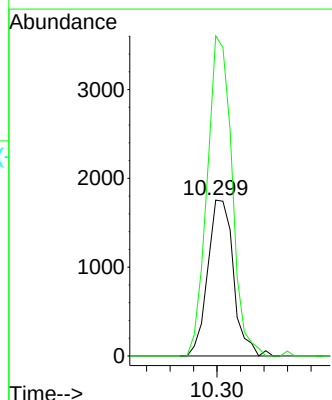
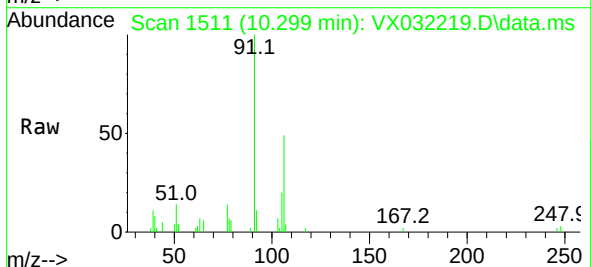
Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

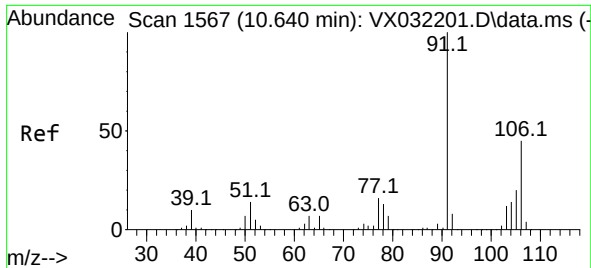
Tgt Ion: 91 Resp: 2056
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 0.930 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion: 106 Resp: 2666
Ion Ratio Lower Upper
106 100
91 198.4 162.6 244.0

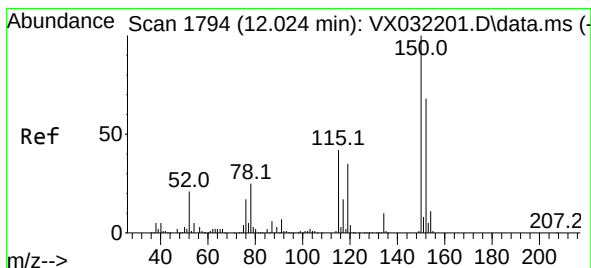
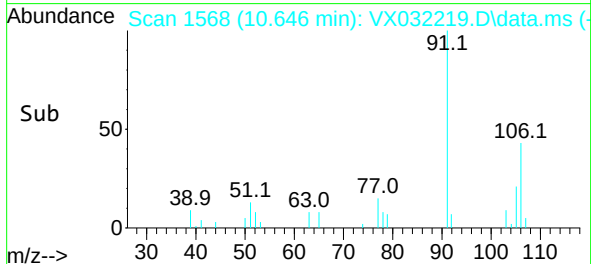
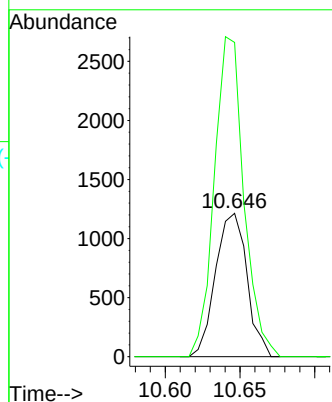
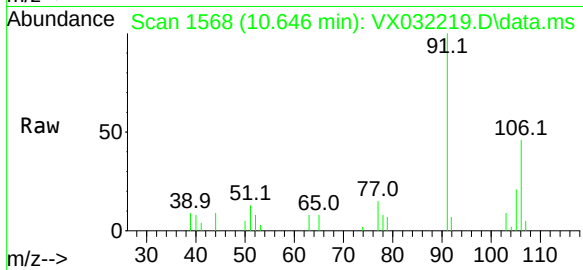




#69
o-Xylene
Concen: 0.646 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

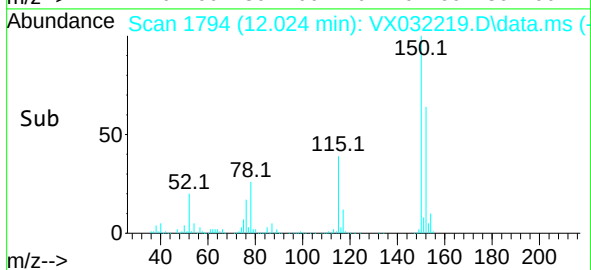
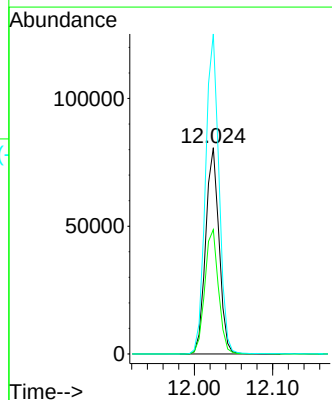
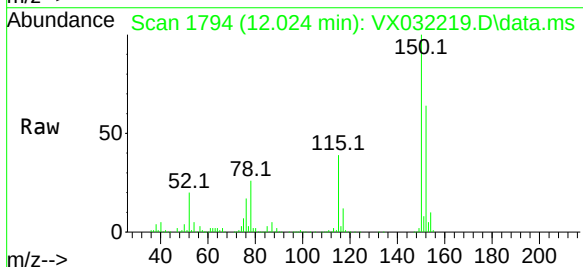
Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

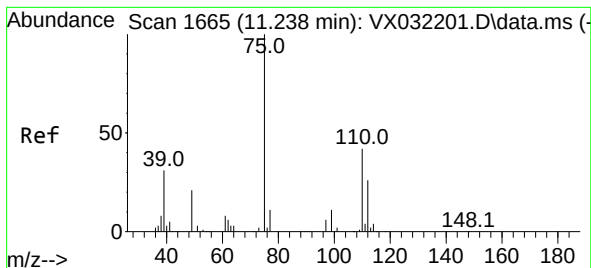
Tgt Ion:106 Resp: 1773
Ion Ratio Lower Upper
106 100
91 210.0 108.3 324.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion:152 Resp: 95795
Ion Ratio Lower Upper
152 100
115 61.5 43.1 129.4
150 156.3 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 28.505 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032219.D

Acq: 19 Oct 2022 19:42

Instrument :

MSVOA_X

ClientSampleId :

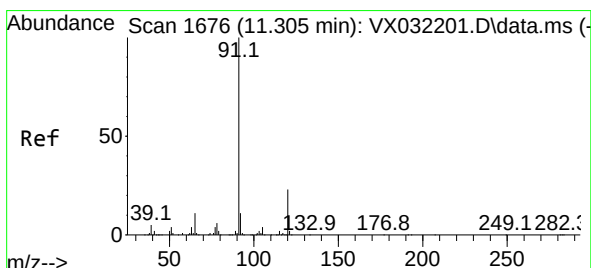
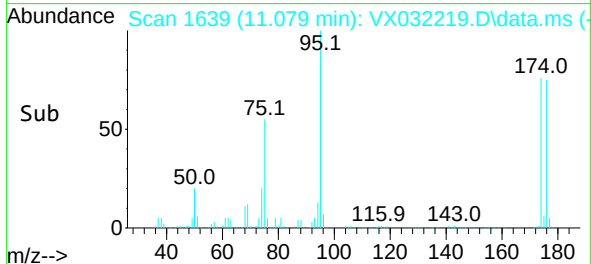
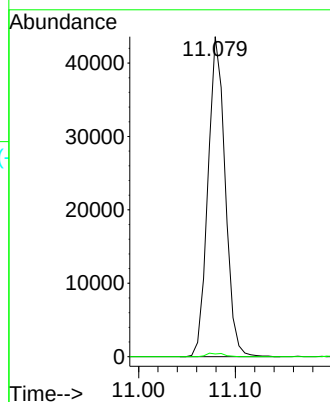
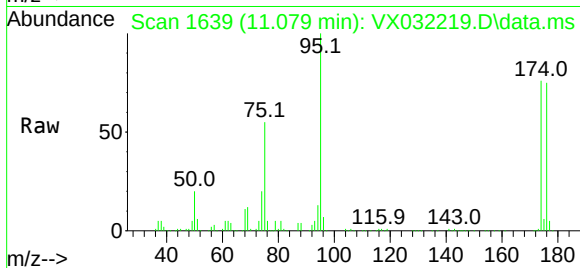
TRE-1664

Tgt Ion: 75 Resp: 54105

Ion Ratio Lower Upper

75 100

77 1.1 16.0 47.9#



#78

n-propylbenzene

Concen: 0.204 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032219.D

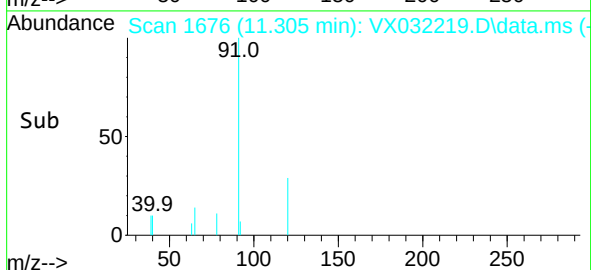
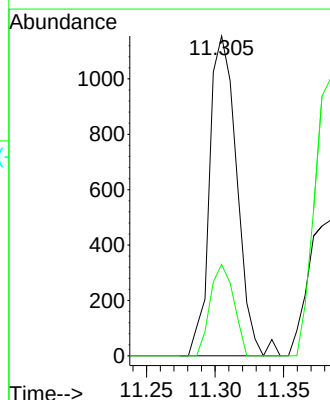
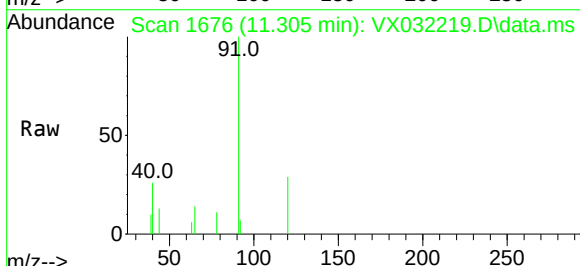
Acq: 19 Oct 2022 19:42

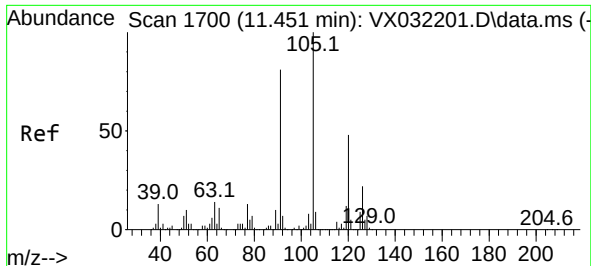
Tgt Ion: 91 Resp: 1600

Ion Ratio Lower Upper

91 100

120 24.5 11.6 34.8

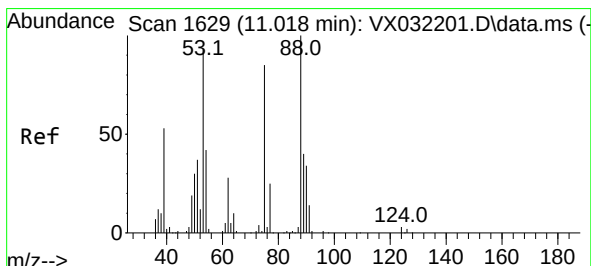
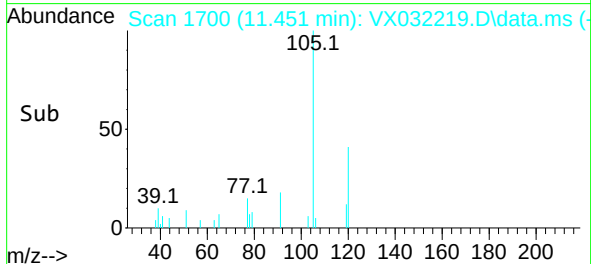
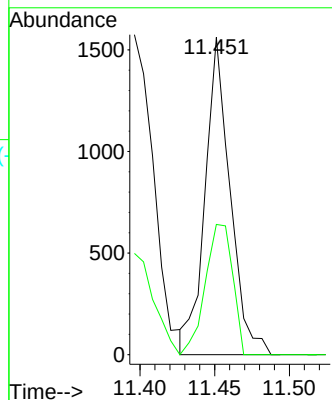
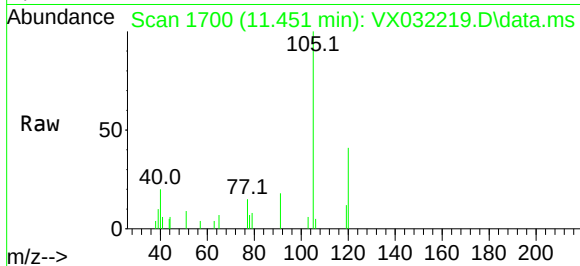




#80
 1,3,5-Trimethylbenzene
 Concen: 0.308 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032219.D
 Acq: 19 Oct 2022 19:42

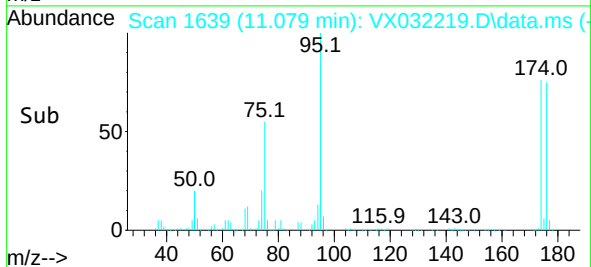
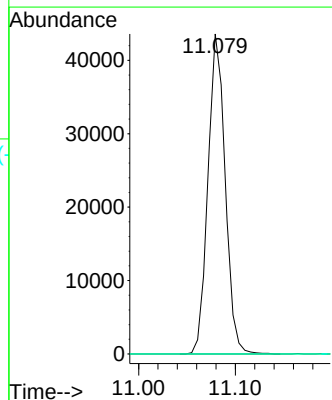
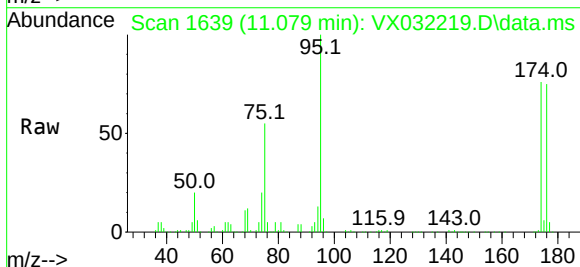
Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1664

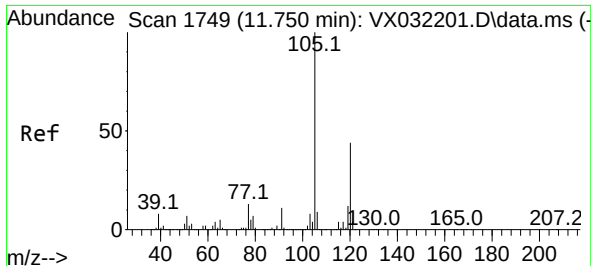
Tgt Ion:105 Resp: 1818
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.368 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX032219.D
 Acq: 19 Oct 2022 19:42

Tgt Ion: 75 Resp: 54105
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

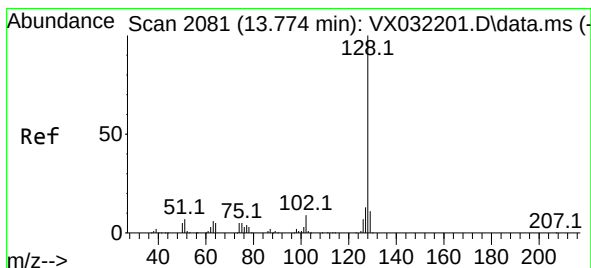
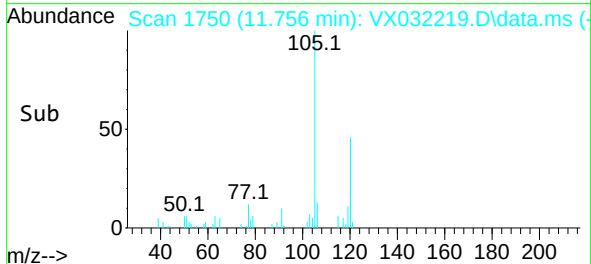
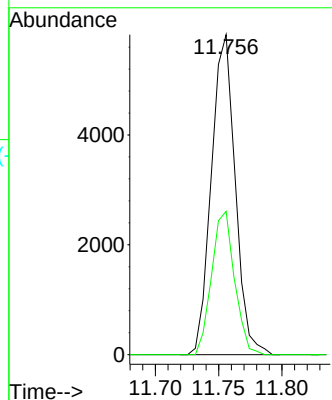
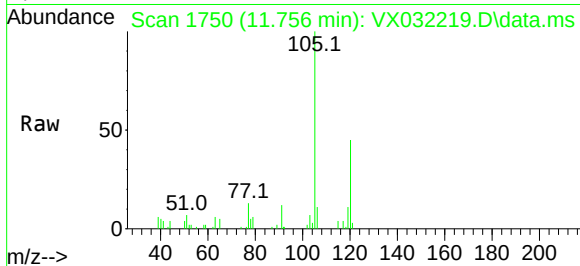




#84
1,2,4-Trimethylbenzene
Concen: 1.331 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :
TRE-1664

Tgt Ion:105 Resp: 7640
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.1



#95
Naphthalene
Concen: 0.443 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX032219.D
Acq: 19 Oct 2022 19:42

Tgt Ion:128 Resp: 2923
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 13.1 8.7 13.1#

