

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043263.D
 Acq On : 03 Oct 2024 15:35
 Operator : JC/MD
 Sample : P4275-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1768

Quant Time: Oct 04 01:33:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

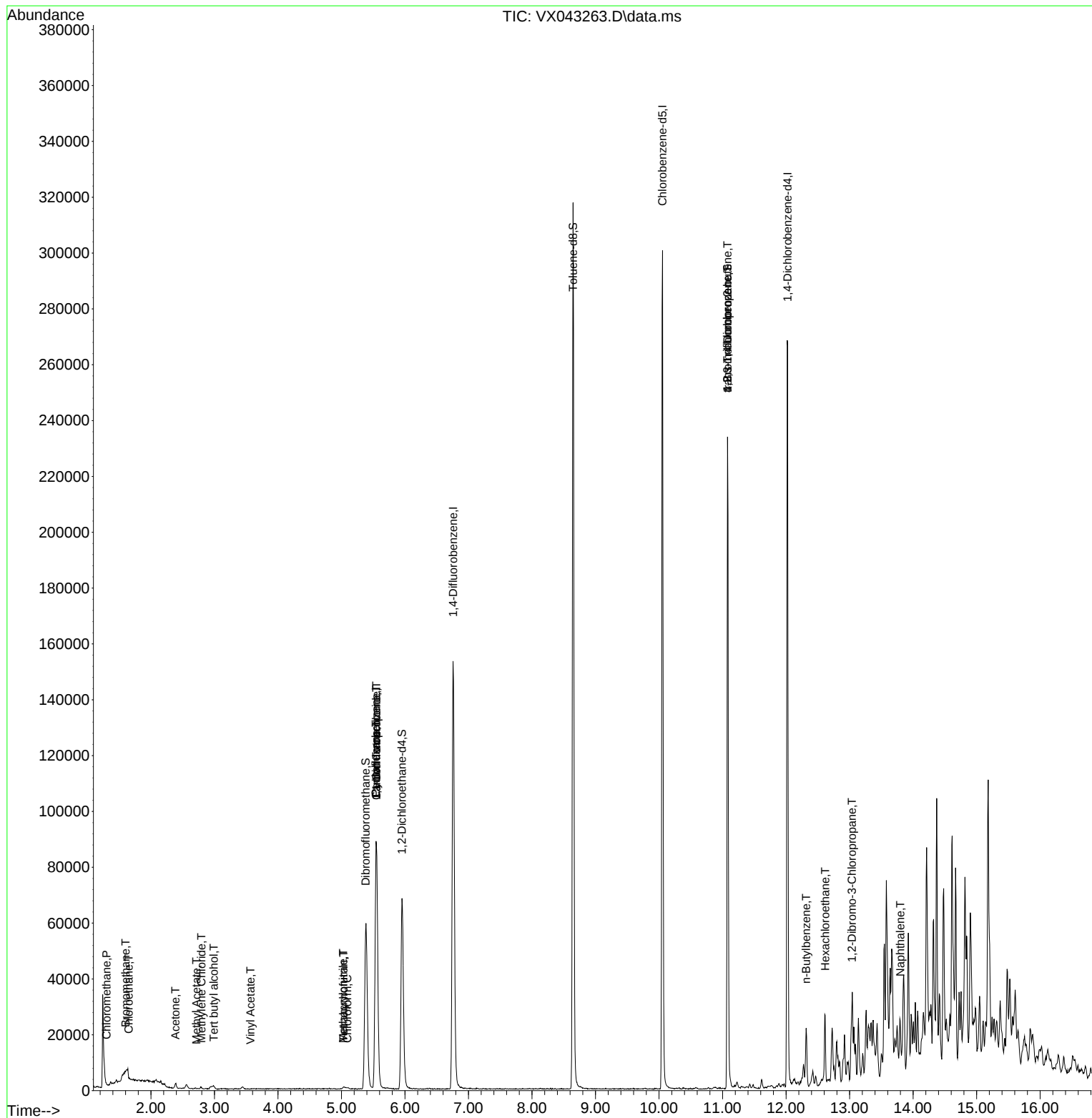
Internal Standards						
1) Pentafluorobenzene	5.544	168	81232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69832	52.638	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.280%
35) Dibromofluoromethane	5.379	113	51977	48.265	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.540%
50) Toluene-d8	8.647	98	185974	49.833	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.660%
62) 4-Bromofluorobenzene	11.079	95	63210	46.622	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	259	0.266	ug/l #	42
5) Bromomethane	1.599	94	110	0.276	ug/l #	2
6) Chloroethane	1.648	64	326	0.898	ug/l #	42
11) Tert butyl alcohol	2.989	59	1723	6.825	ug/l #	83
16) Acetone	2.386	43	1757	3.171	ug/l #	85
18) Methyl Acetate	2.715	43	302	0.217	ug/l #	51
20) Methylene Chloride	2.794	84	273	0.267	ug/l #	79
23) Vinyl Acetate	3.568	43	20	6.345	ug/l #	71
29) Tetrahydrofuran	5.032	42	304	0.628	ug/l #	64
30) Chloroform	5.093	83	456	0.239	ug/l	100
31) Cyclohexane	5.544	56	2106	1.471	ug/l #	33
36) 1,1-Dichloropropene	5.550	75	7225	5.311	ug/l #	47
38) Carbon Tetrachloride	5.550	117	9137	5.673	ug/l #	15
41) Methacrylonitrile	5.026	41	294	0.346	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	34985	27.983	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	34985	72.521	ug/l #	8
89) n-Butylbenzene	12.317	91	1597	0.518	ug/l #	2
90) Hexachloroethane	12.616	117	1202	1.740	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	13.036	75	153	0.439	ug/l #	5
95) Naphthalene	13.798	128	1261	0.310	ug/l #	10

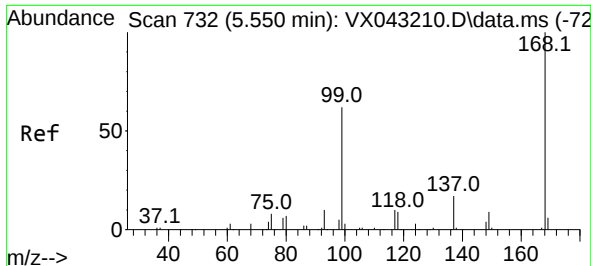
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
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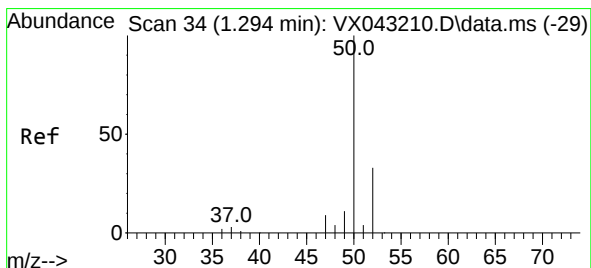
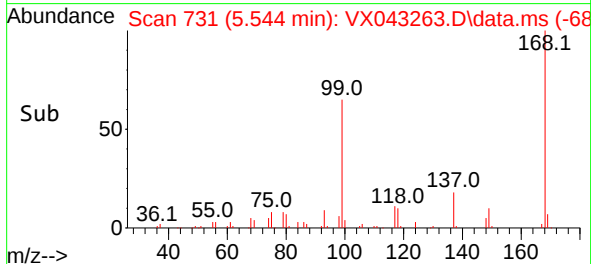
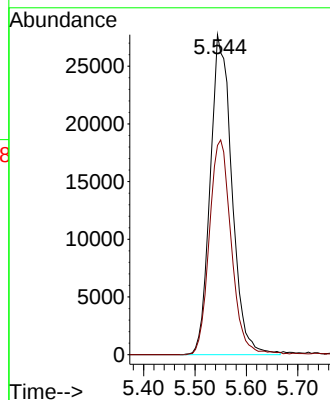
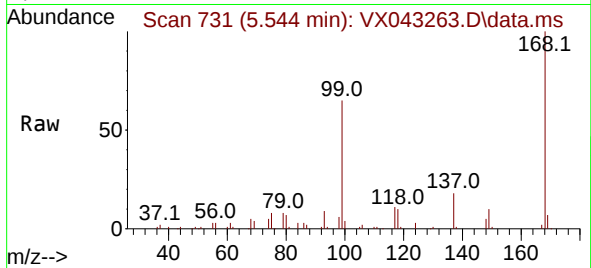




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

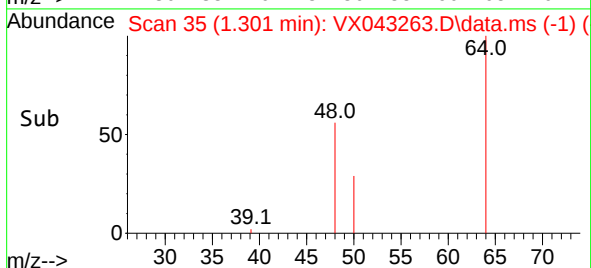
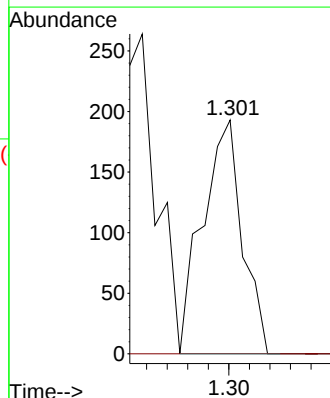
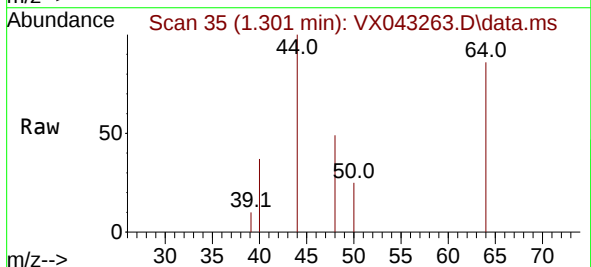
Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

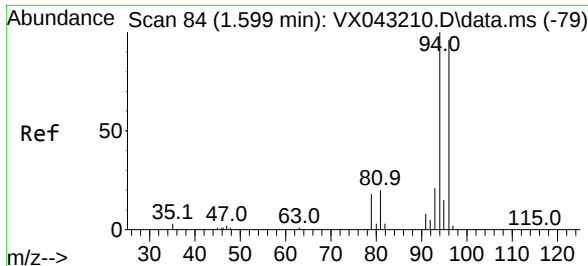
Tgt Ion:168 Resp: 81232
Ion Ratio Lower Upper
168 100
99 65.4 49.7 74.5



#3
Chloromethane
Concen: 0.266 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 50 Resp: 259
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

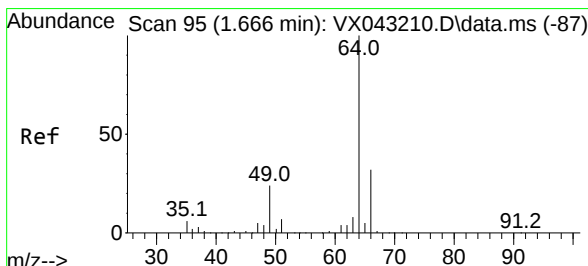
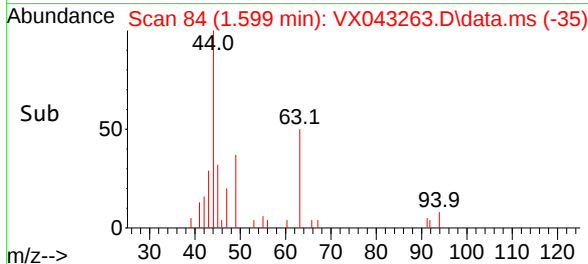
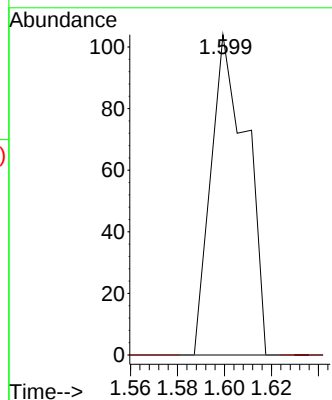
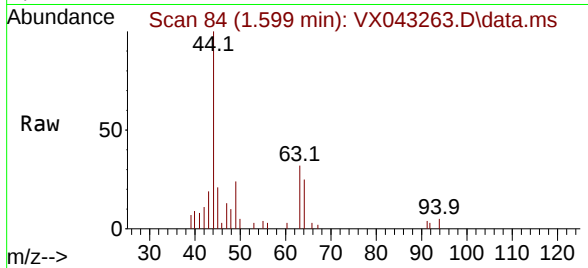




#5
 Bromomethane
 Concen: 0.276 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX043263.D
 Acq: 03 Oct 2024 15:35

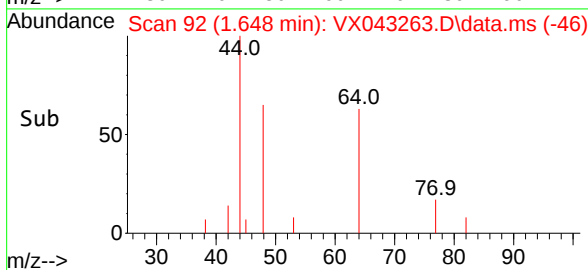
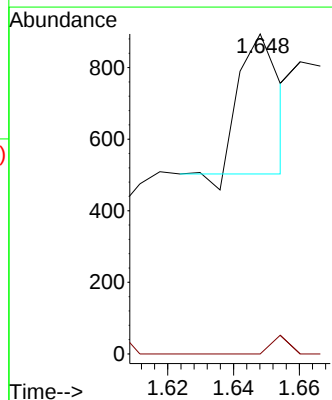
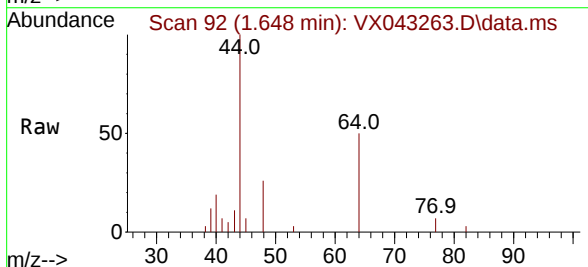
Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1768

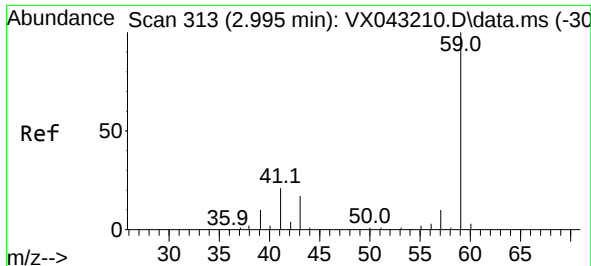
Tgt Ion: 94 Resp: 110
 Ion Ratio Lower Upper
 94 100
 96 0.0 76.6 115.0#



#6
 Chloroethane
 Concen: 0.898 ug/l
 RT: 1.648 min Scan# 92
 Delta R.T. -0.018 min
 Lab File: VX043263.D
 Acq: 03 Oct 2024 15:35

Tgt Ion: 64 Resp: 326
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 6.825 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

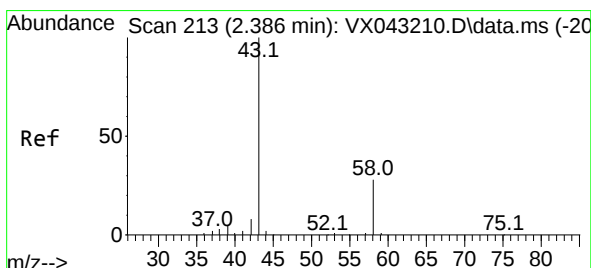
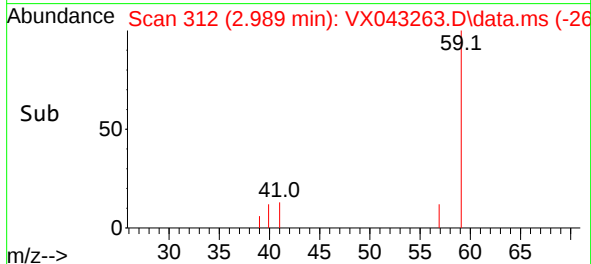
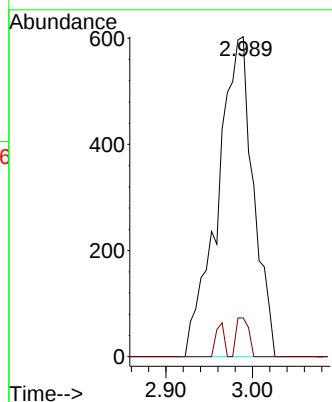
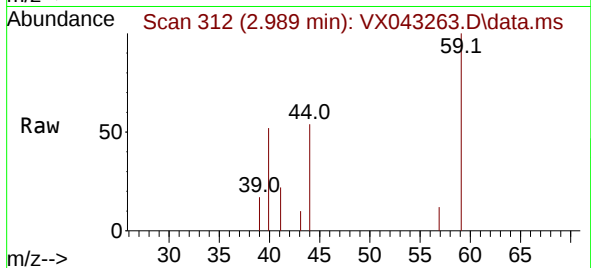
TRE-1768

Tgt Ion: 59 Resp: 1723

Ion Ratio Lower Upper

59 100

57 4.3 8.6 13.0#



#16

Acetone

Concen: 3.171 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043263.D

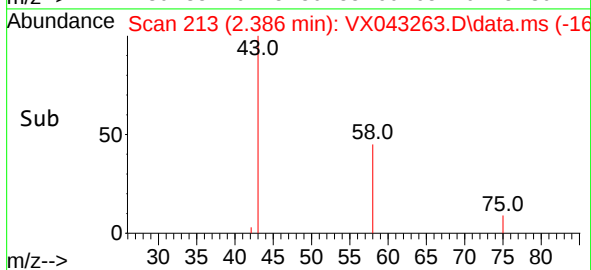
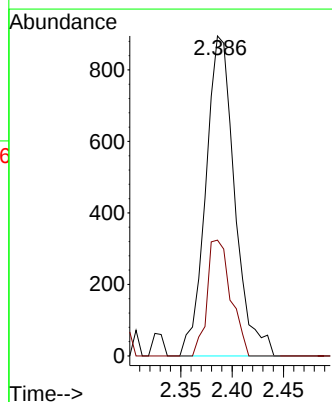
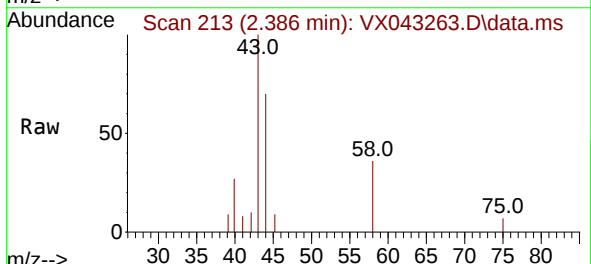
Acq: 03 Oct 2024 15:35

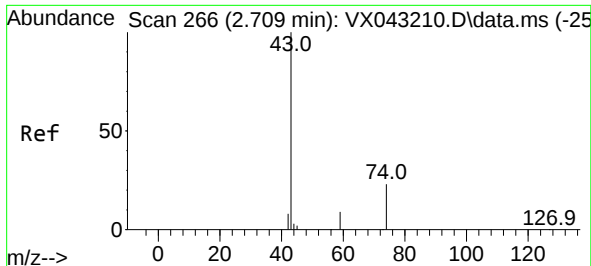
Tgt Ion: 43 Resp: 1757

Ion Ratio Lower Upper

43 100

58 36.2 22.6 33.8#





#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

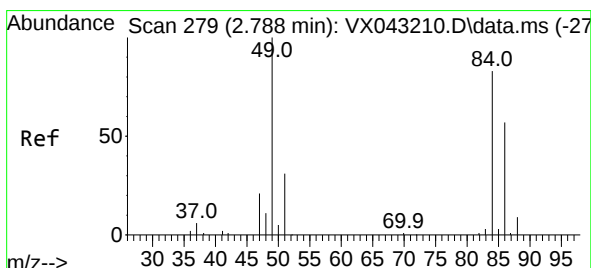
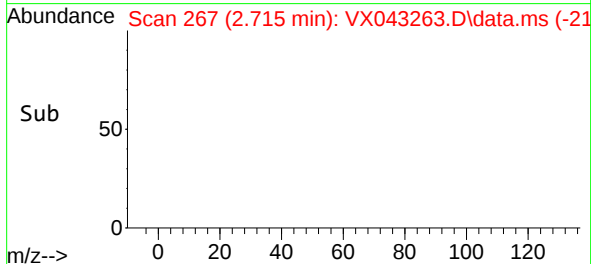
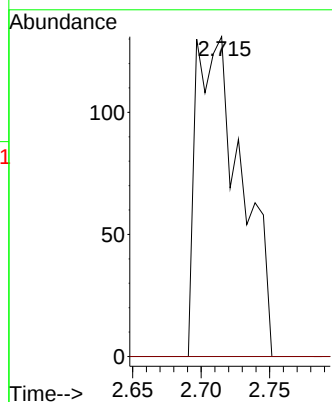
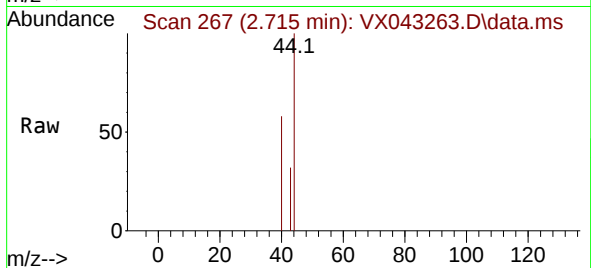
TRE-1768

Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#



#20

Methylene Chloride

Concen: 0.267 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Tgt Ion: 84 Resp: 273

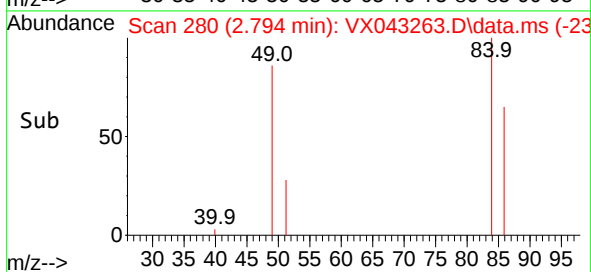
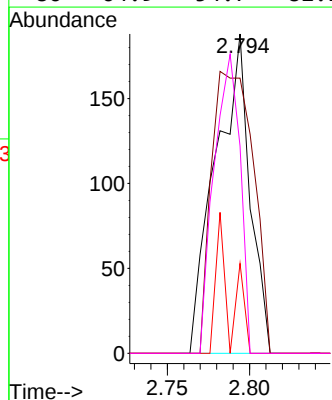
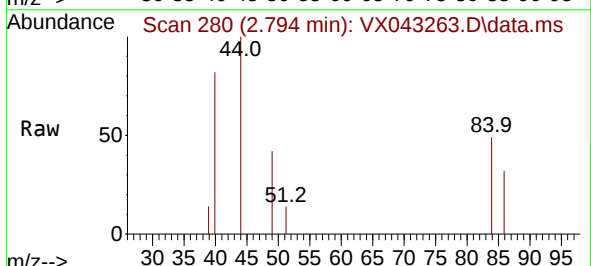
Ion Ratio Lower Upper

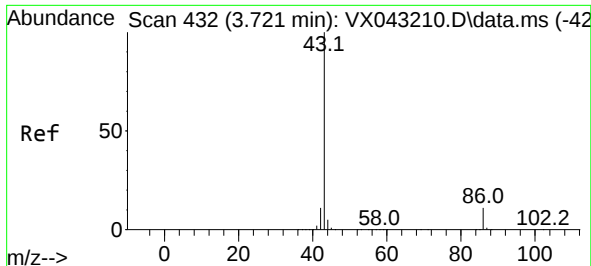
84 100

49 86.2 96.7 145.1#

51 28.2 30.4 45.6#

86 64.9 54.7 82.1

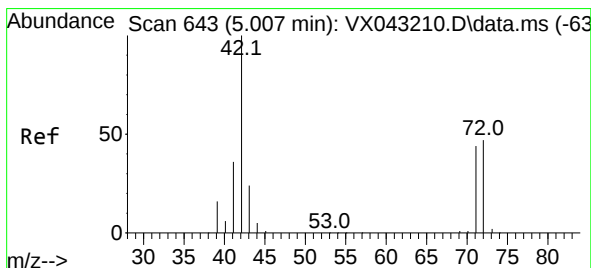
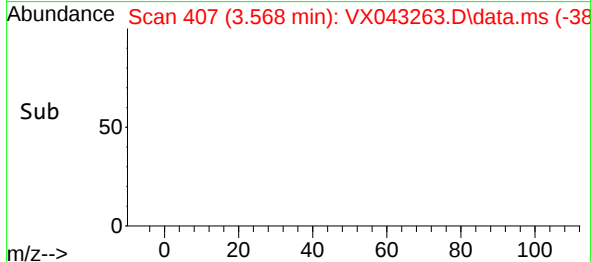
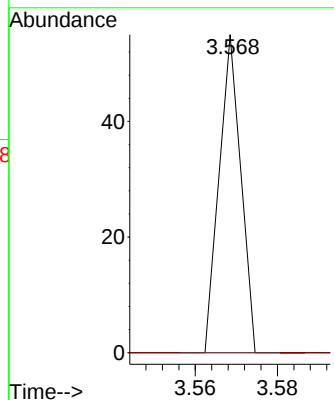
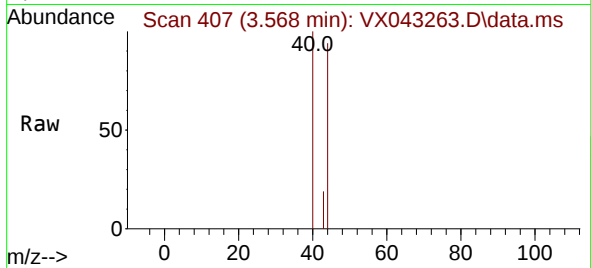




#23
 Vinyl Acetate
 Concen: 6.345 ug/l
 RT: 3.568 min Scan# 407
 Delta R.T. -0.153 min
 Lab File: VX043263.D
 Acq: 03 Oct 2024 15:35

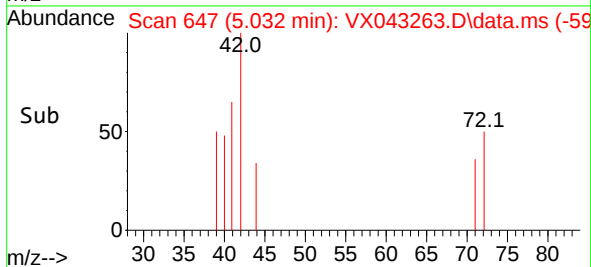
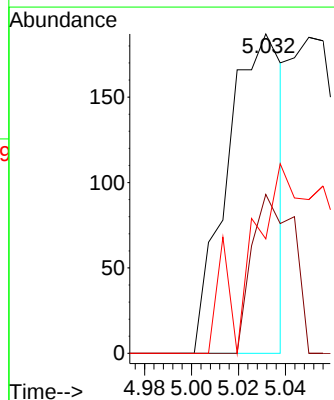
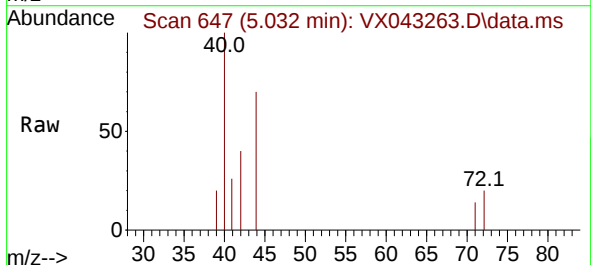
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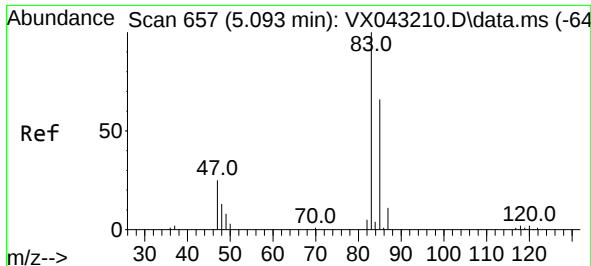
Tgt Ion: 43 Resp: 20
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#29
 Tetrahydrofuran
 Concen: 0.628 ug/l
 RT: 5.032 min Scan# 647
 Delta R.T. 0.024 min
 Lab File: VX043263.D
 Acq: 03 Oct 2024 15:35

Tgt Ion: 42 Resp: 304
 Ion Ratio Lower Upper
 42 100
 72 37.5 37.7 56.5#
 71 81.9 34.6 52.0#

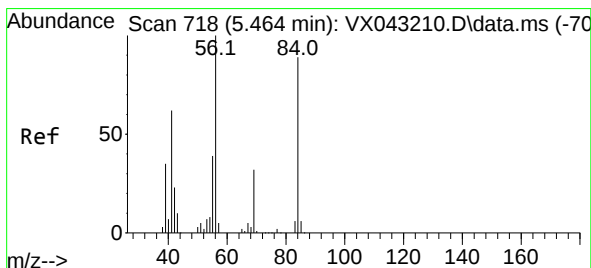
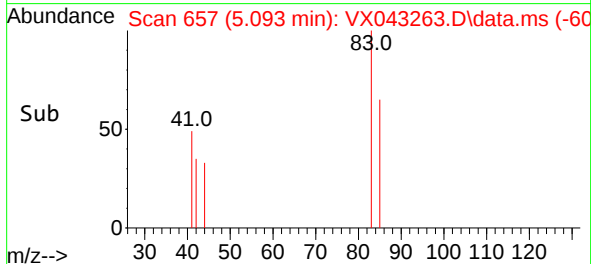
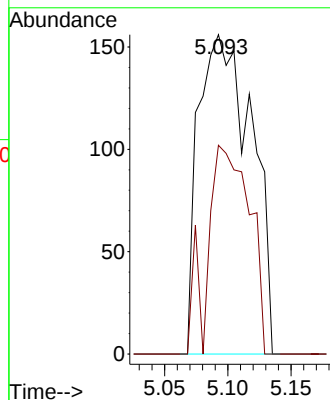
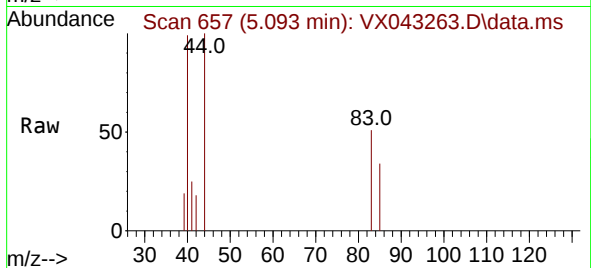




#30
Chloroform
Concen: 0.239 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

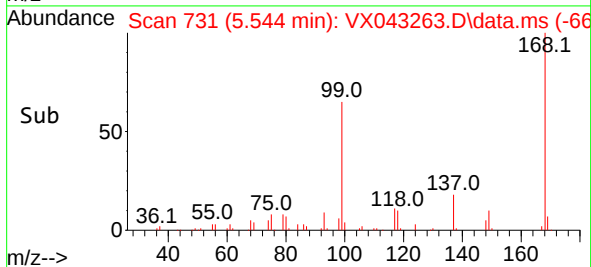
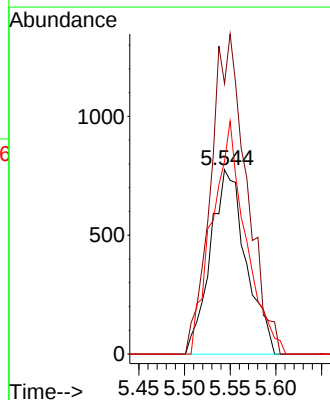
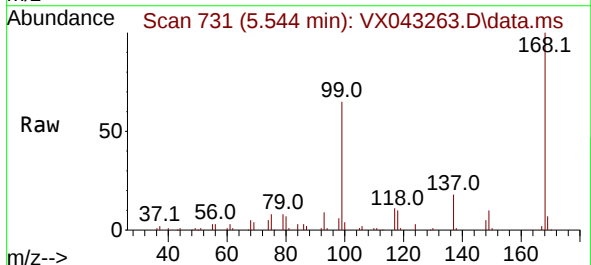
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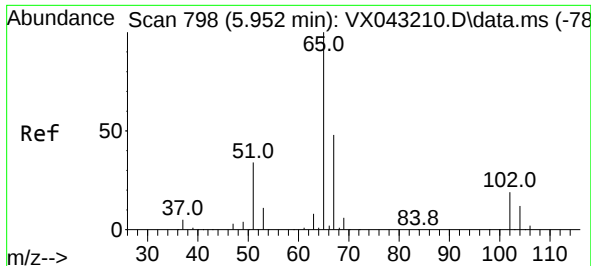
Tgt Ion: 83 Resp: 456
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7



#31
Cyclohexane
Concen: 1.471 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 56 Resp: 2106
Ion Ratio Lower Upper
56 100
69 146.6 25.8 38.6#
84 104.5 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 52.638 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

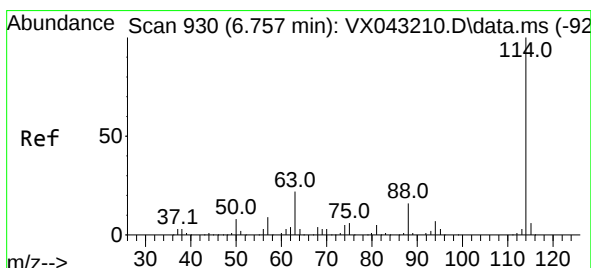
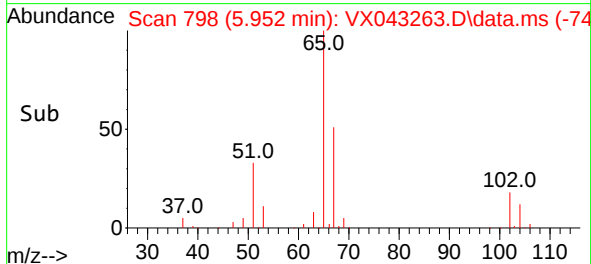
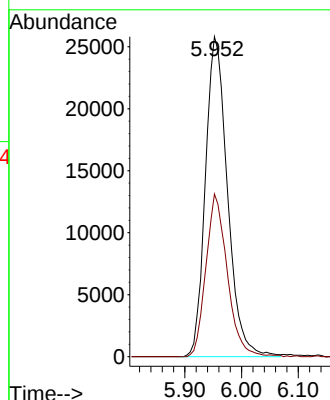
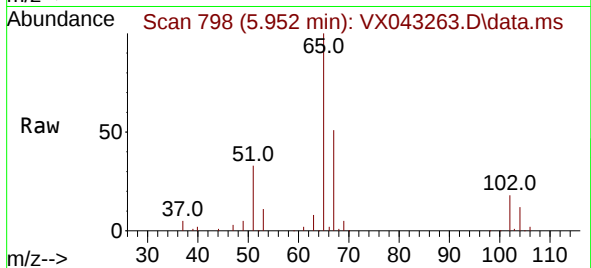
TRE-1768

Tgt Ion: 65 Resp: 69832

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

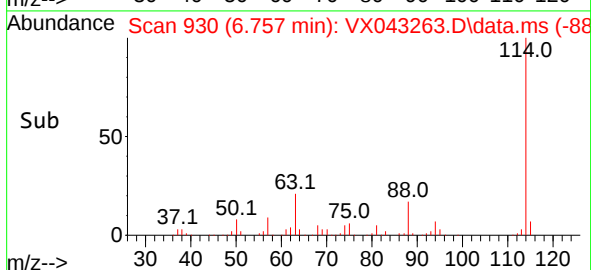
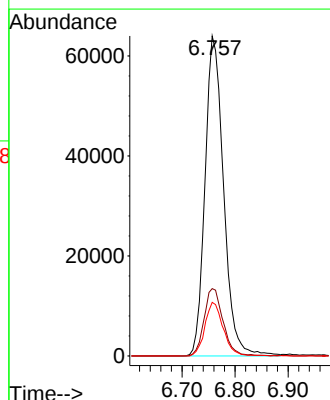
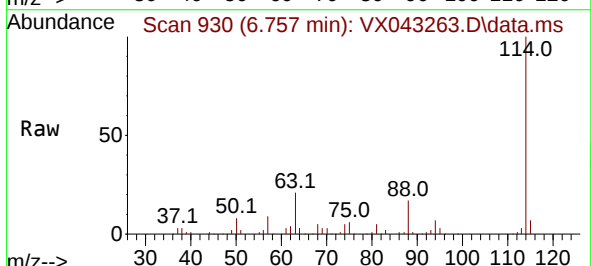
Tgt Ion: 114 Resp: 156155

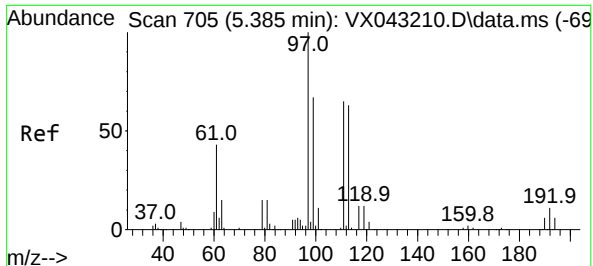
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.265 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

TRE-1768

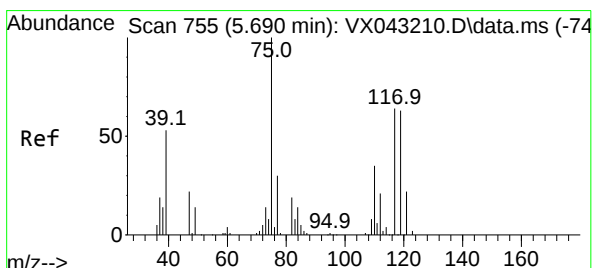
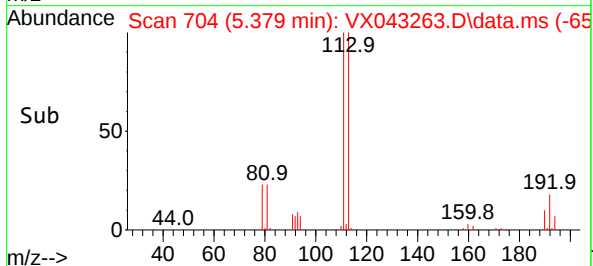
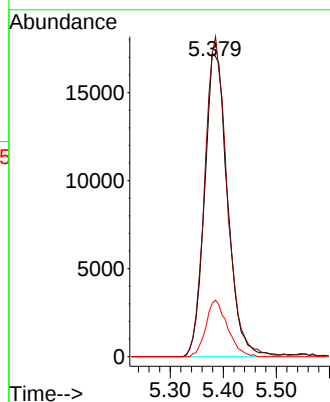
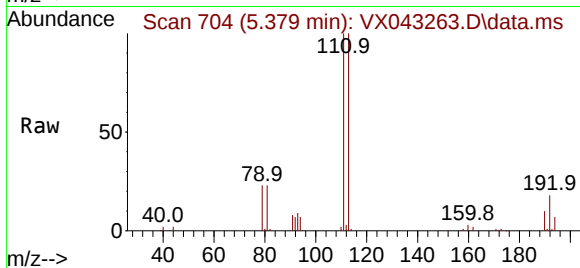
Tgt Ion:113 Resp: 51977

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

192 17.5 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.311 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

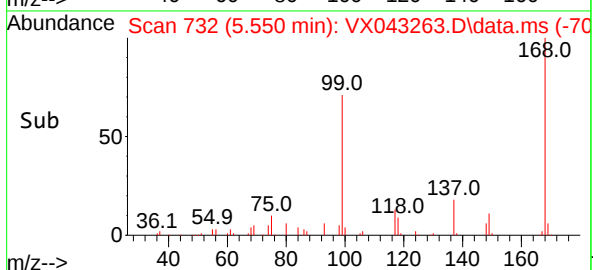
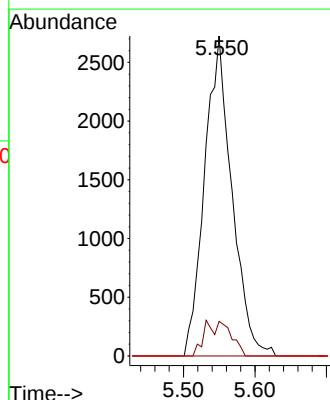
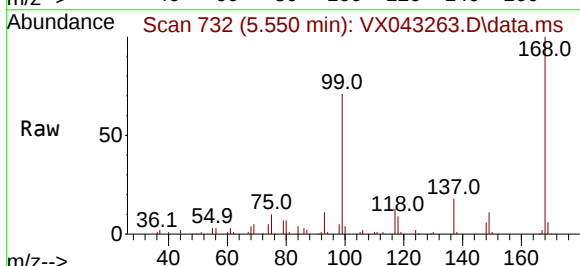
Tgt Ion: 75 Resp: 7225

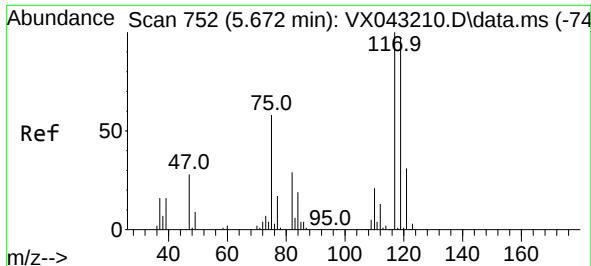
Ion Ratio Lower Upper

75 100

110 5.8 17.8 53.3#

77 0.0 24.9 37.3#

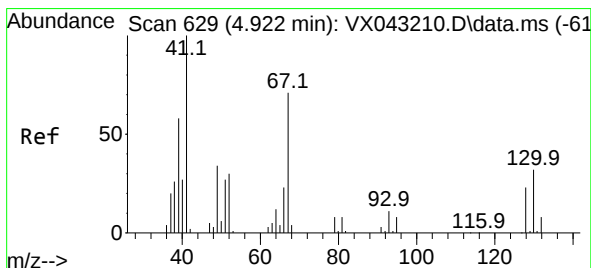
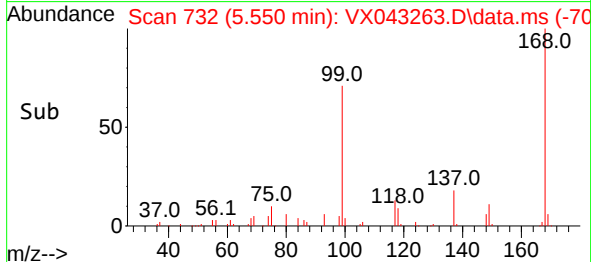
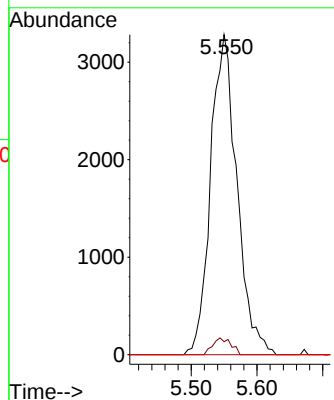
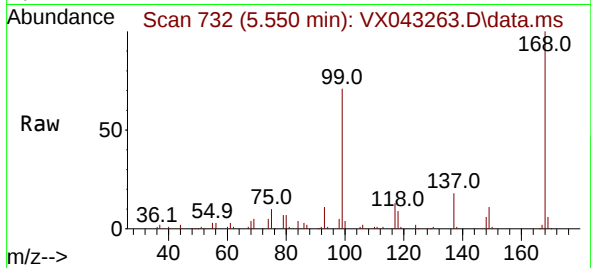




#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

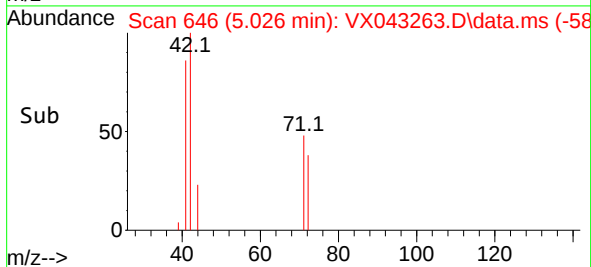
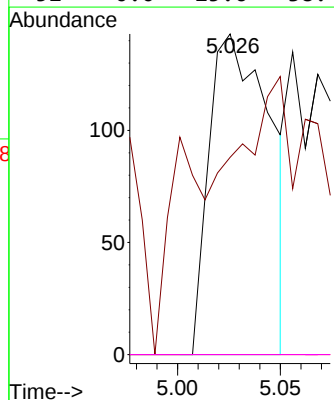
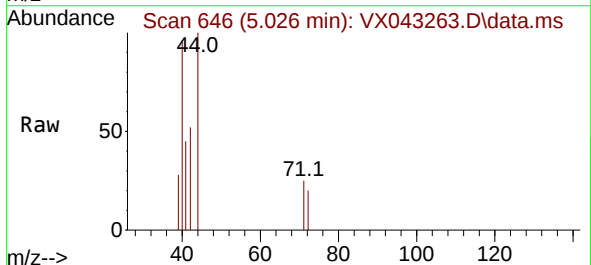
Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

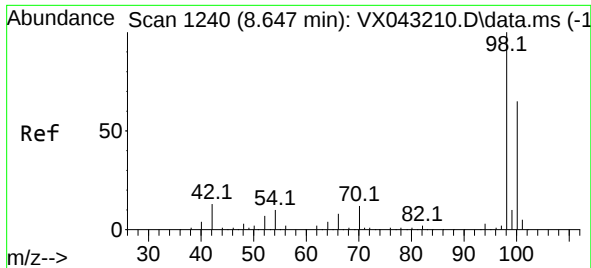
Tgt Ion:117 Resp: 9137
Ion Ratio Lower Upper
117 100
119 4.1 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.346 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 41 Resp: 294
Ion Ratio Lower Upper
41 100
39 0.0 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

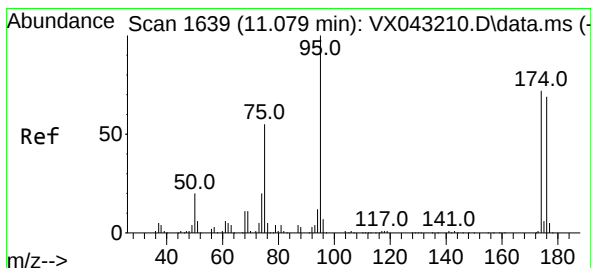
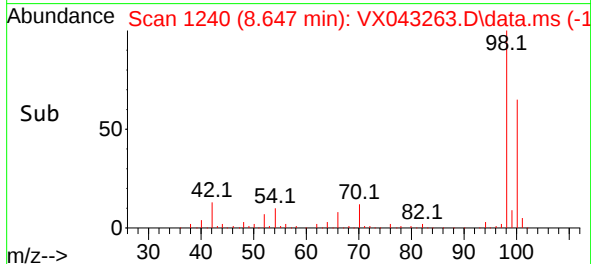
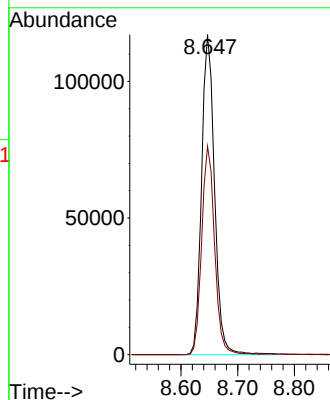
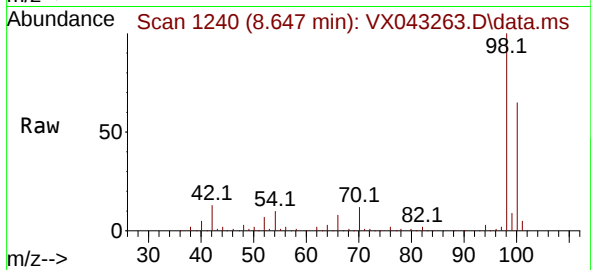




#50
Toluene-d8
Concen: 49.833 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

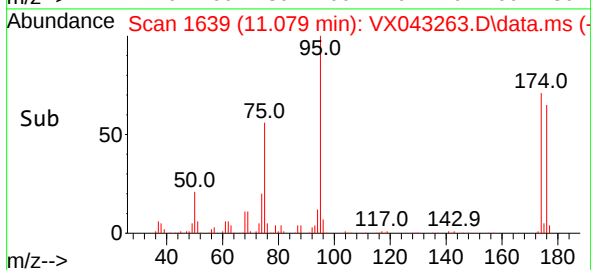
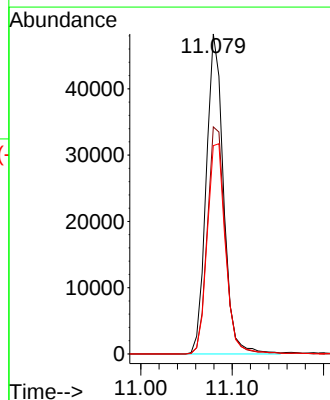
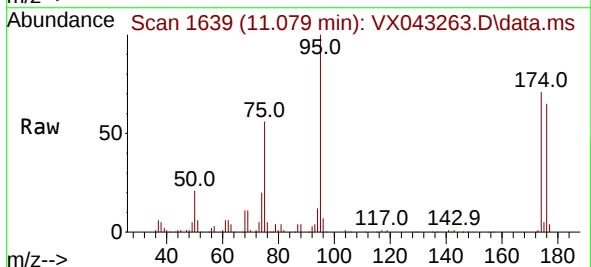
Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

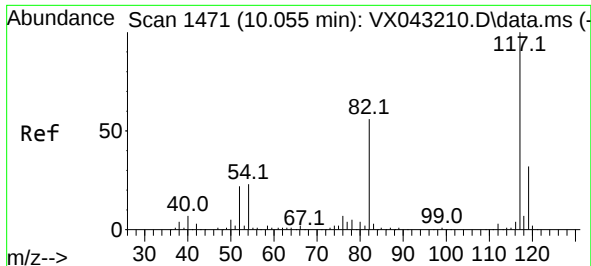
Tgt Ion: 98 Resp: 185974
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 95 Resp: 63210
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.0
176 69.5 0.0 143.0

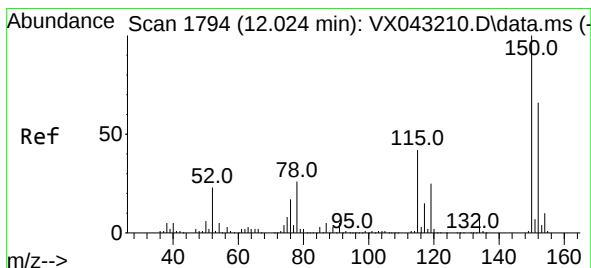
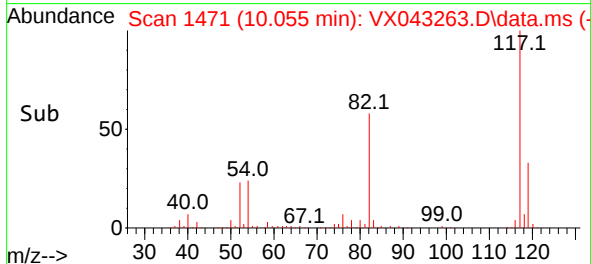
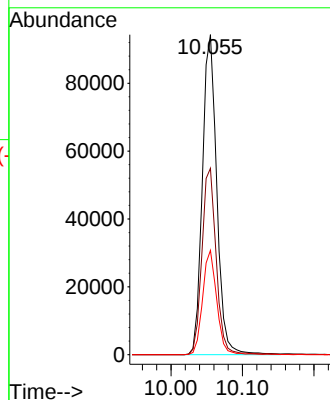
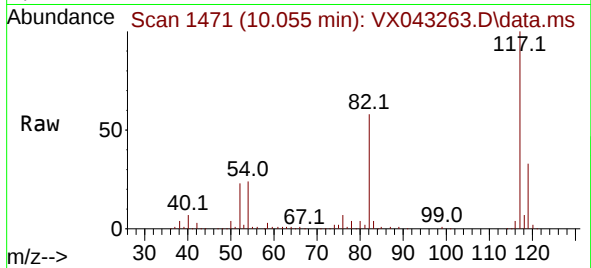




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

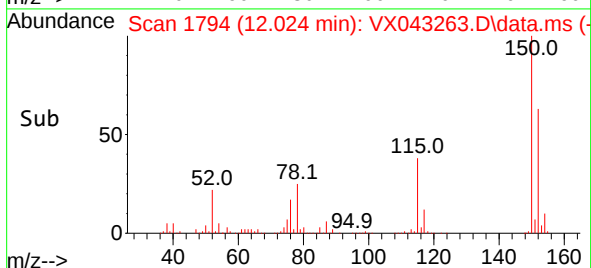
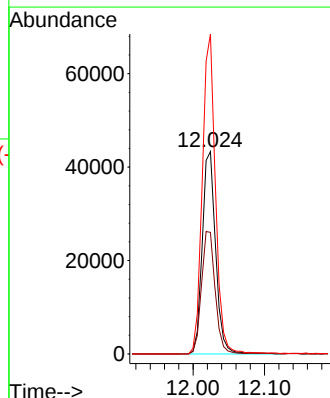
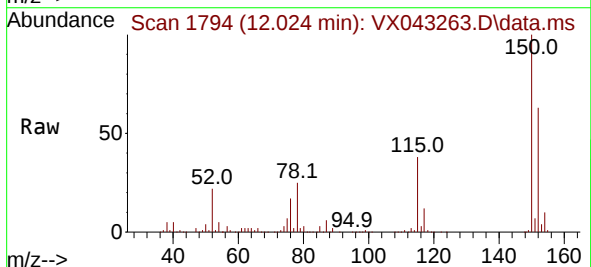
Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

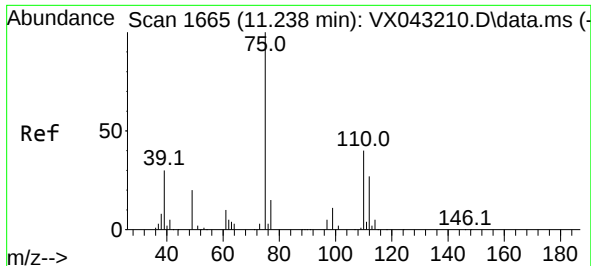
Tgt Ion:117 Resp: 131922
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.6
119 32.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion:152 Resp: 56365
Ion Ratio Lower Upper
152 100
115 61.7 44.1 132.3
150 155.5 0.0 347.4

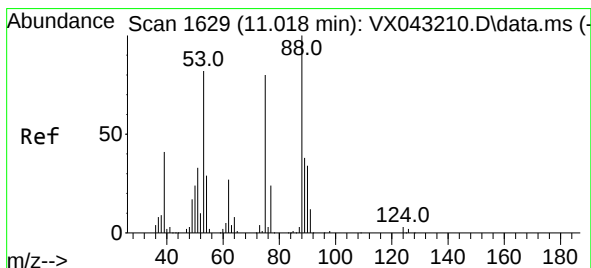
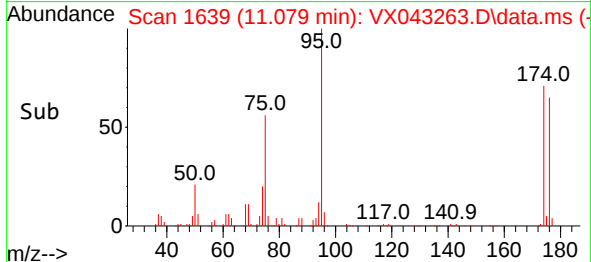
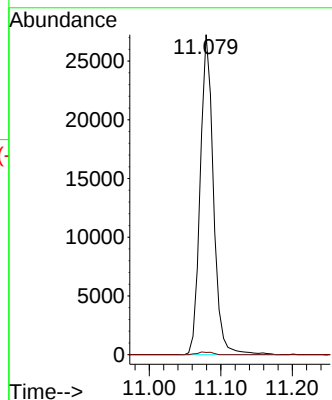
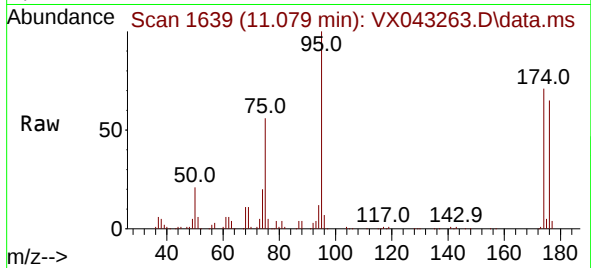




#76
1,2,3-Trichloropropane
Concen: 27.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

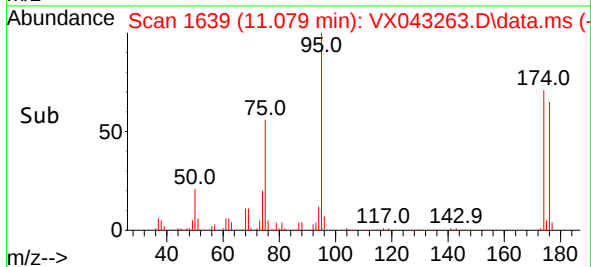
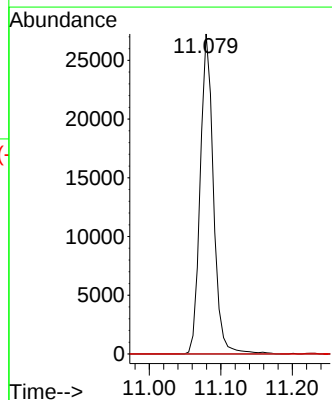
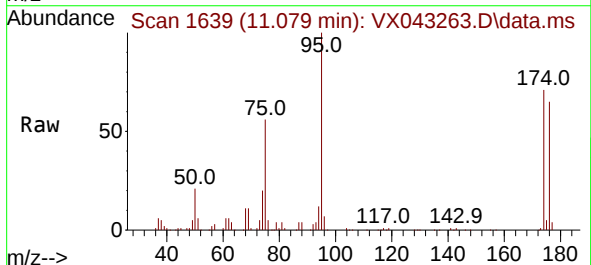
Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

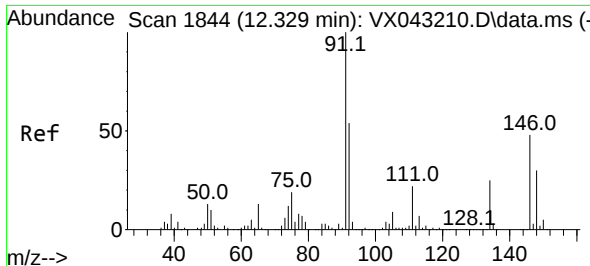
Tgt Ion: 75 Resp: 34985
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 75 Resp: 34985
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#





#89

n-Butylbenzene

Concen: 0.518 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX043263.D

Acq: 03 Oct 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

TRE-1768

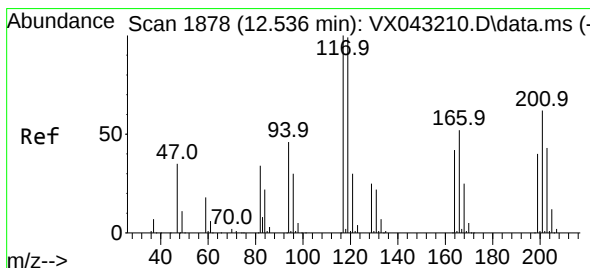
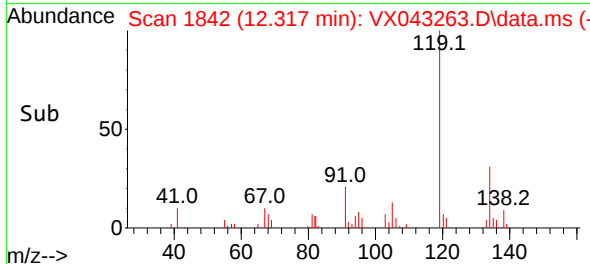
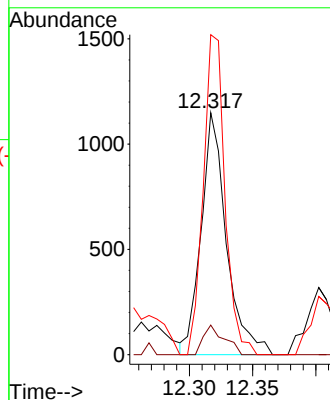
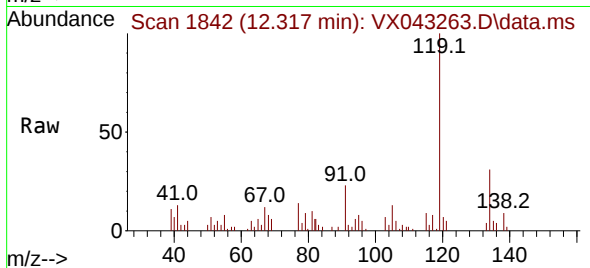
Tgt Ion: 91 Resp: 1597

Ion Ratio Lower Upper

91 100

92 10.0 27.0 81.0#

134 113.8 12.9 38.6#



#90

Hexachloroethane

Concen: 1.740 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.079 min

Lab File: VX043263.D

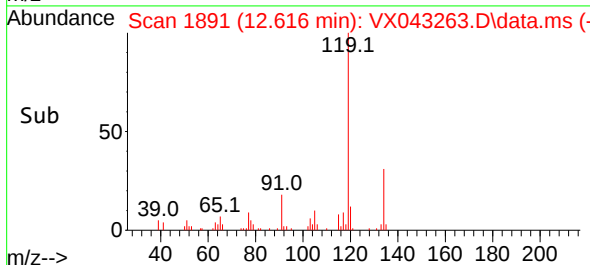
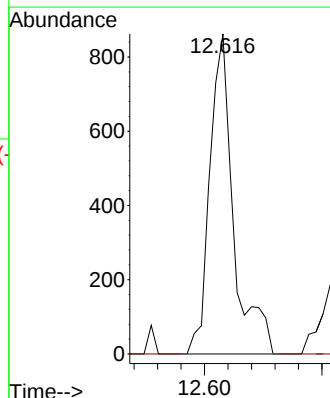
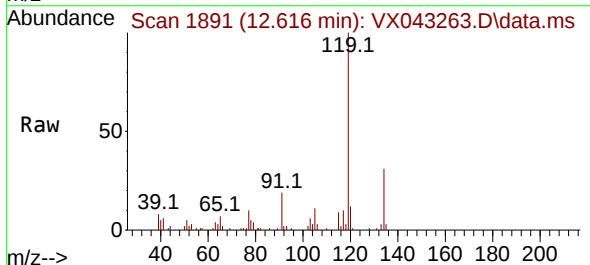
Acq: 03 Oct 2024 15:35

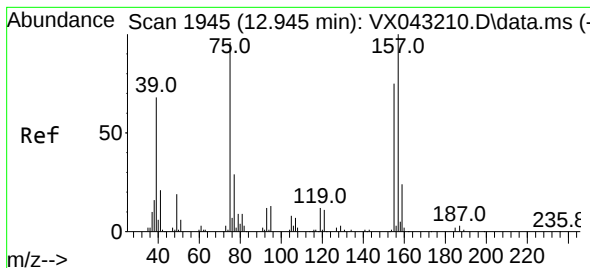
Tgt Ion: 117 Resp: 1202

Ion Ratio Lower Upper

117 100

201 0.0 34.0 101.8#

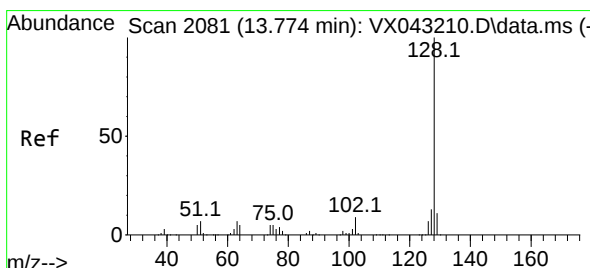
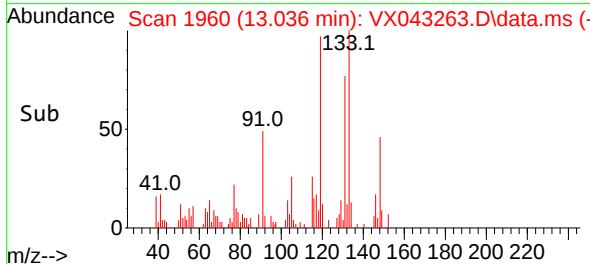
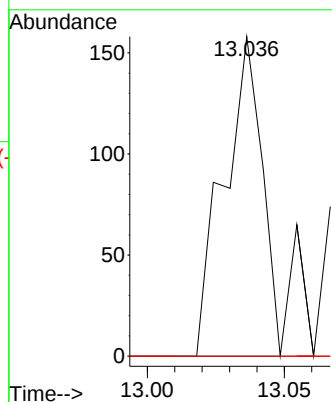
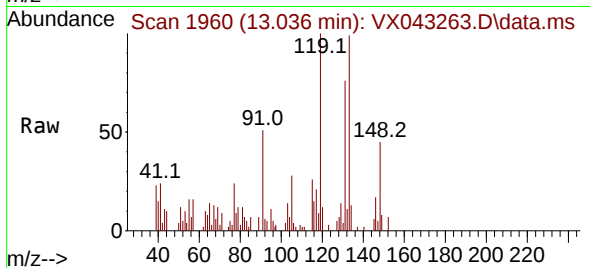




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.439 ug/l
RT: 13.036 min Scan# 1945
Delta R.T. 0.091 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
TRE-1768

Tgt Ion: 75 Resp: 153
Ion Ratio Lower Upper
75 100
155 0.0 38.8 116.4#
157 0.0 49.0 147.0#



#95
Naphthalene
Concen: 0.310 ug/l
RT: 13.798 min Scan# 2085
Delta R.T. 0.024 min
Lab File: VX043263.D
Acq: 03 Oct 2024 15:35

Tgt Ion: 128 Resp: 1261
Ion Ratio Lower Upper
128 100
127 33.7 10.2 15.2#
129 60.7 8.6 13.0#

