

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043260.D
 Acq On : 03 Oct 2024 14:25
 Operator : JC/MD
 Sample : P4231-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20240924DL

Quant Time: Oct 04 01:32:10 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

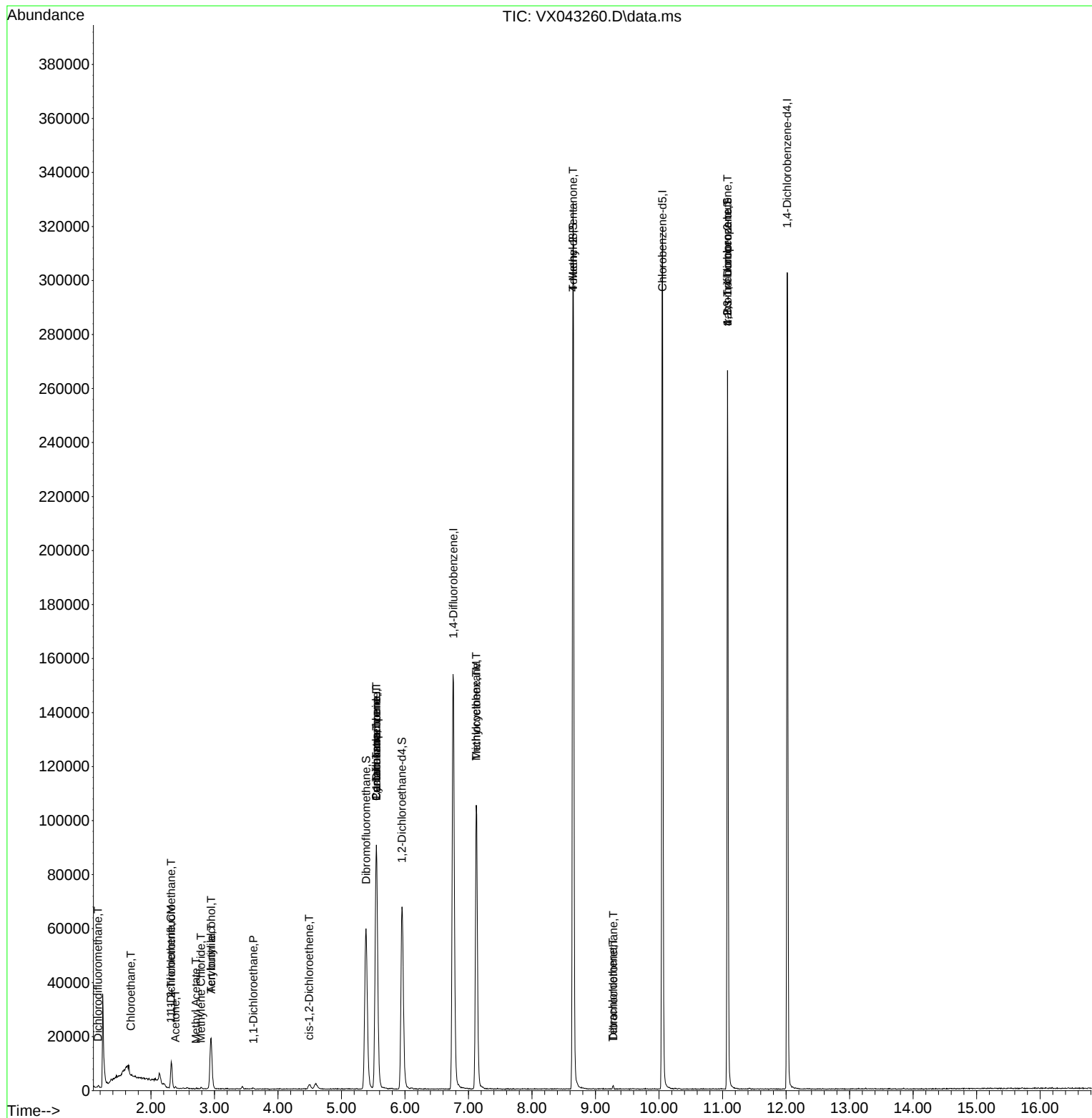
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	81714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158591	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70541	52.859	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.720%		
35) Dibromofluoromethane	5.385	113	52368	47.881	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.760%		
50) Toluene-d8	8.647	98	191228	50.453	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.900%		
62) 4-Bromofluorobenzene	11.079	95	69756	50.660	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	255	0.268	ug/l	83
6) Chloroethane	1.685	64	2148	5.883	ug/l #	54
9) 1,1,2-Trichlorotrifluo...	2.319	101	3471	3.797	ug/l	96
11) Tert butyl alcohol	2.947	59	11499	45.280	ug/l #	75
12) 1,1-Dichloroethene	2.313	96	548	0.604	ug/l	95
15) Acrylonitrile	2.947	53	259	0.499	ug/l #	16
16) Acetone	2.386	43	679	1.218	ug/l	99
18) Methyl Acetate	2.709	43	301	0.215	ug/l #	51
20) Methylene Chloride	2.788	84	255	0.248	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	560	0.320	ug/l #	63
27) cis-1,2-Dichloroethene	4.489	96	1198	1.063	ug/l	89
31) Cyclohexane	5.550	56	2116	1.469	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	7012	5.075	ug/l #	51
38) Carbon Tetrachloride	5.550	117	9410	5.753	ug/l #	14
39) Methylcyclohexane	7.123	83	455	0.262	ug/l #	1
44) Trichloroethene	7.123	130	40366	36.329	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	979	0.588	ug/l #	1
60) Dibromochloromethane	9.281	129	286	0.236	ug/l #	11
64) Tetrachloroethene	9.275	164	232	0.236	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	38712	28.857	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	38712	74.787	ug/l #	8

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

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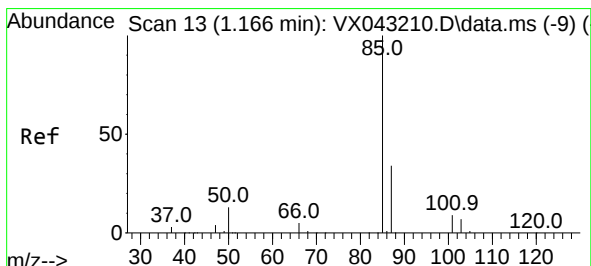
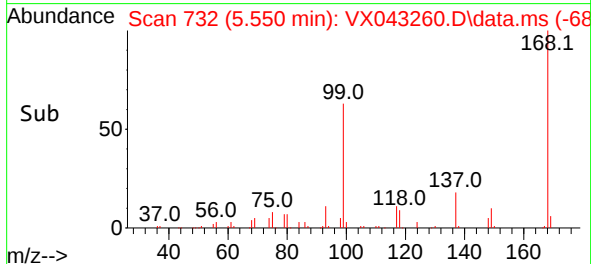
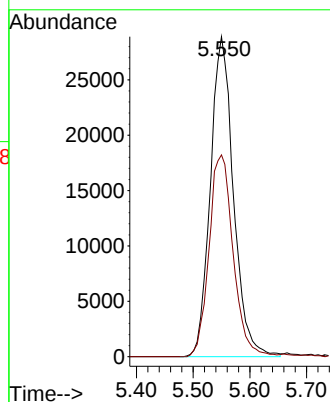
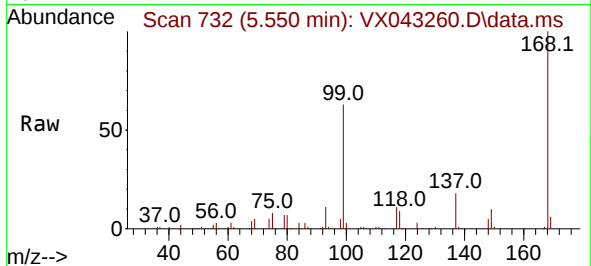




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

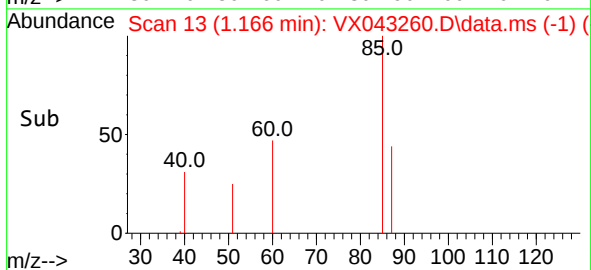
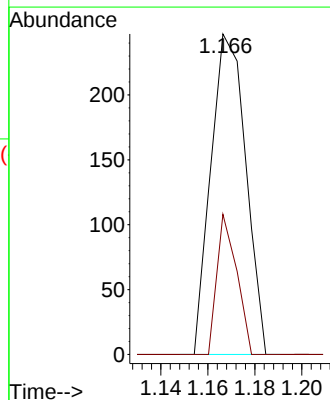
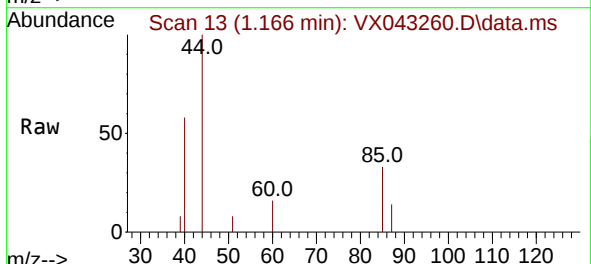
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

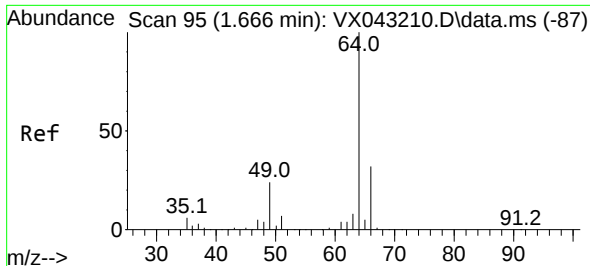
Tgt Ion:168 Resp: 81714
Ion Ratio Lower Upper
168 100
99 63.1 49.7 74.5



#2
Dichlorodifluoromethane
Concen: 0.268 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 85 Resp: 255
Ion Ratio Lower Upper
85 100
87 43.7 17.1 51.2

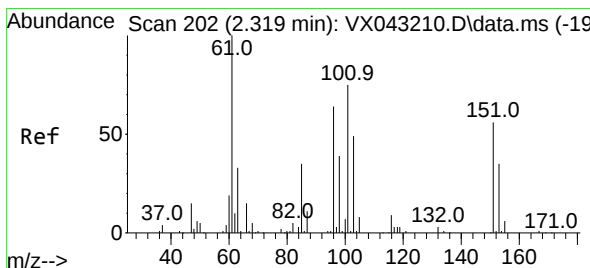
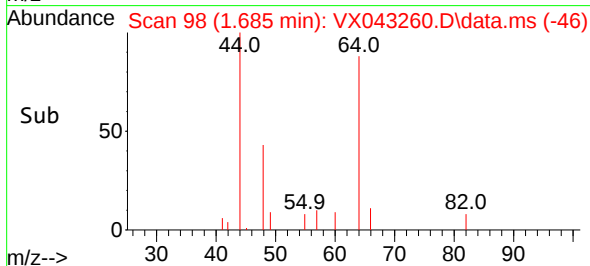
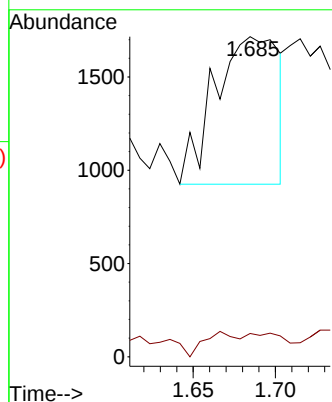
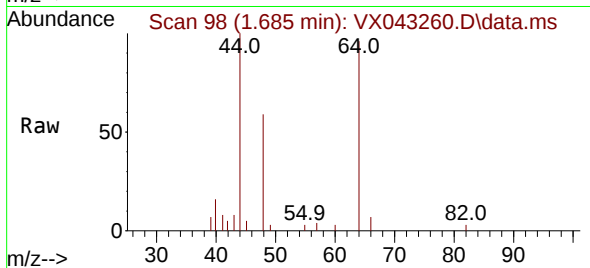




#6
Chloroethane
Concen: 5.883 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

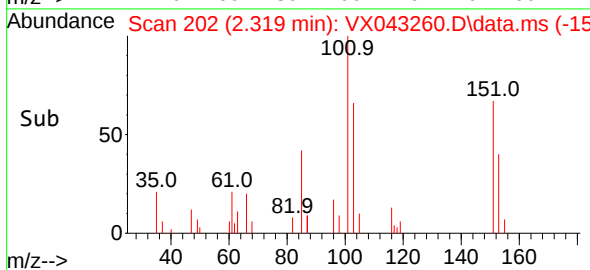
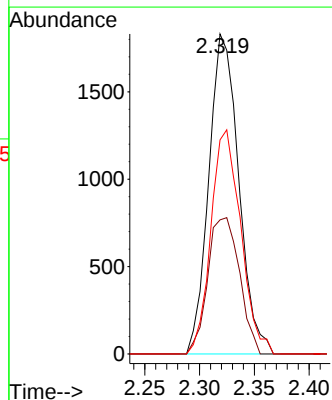
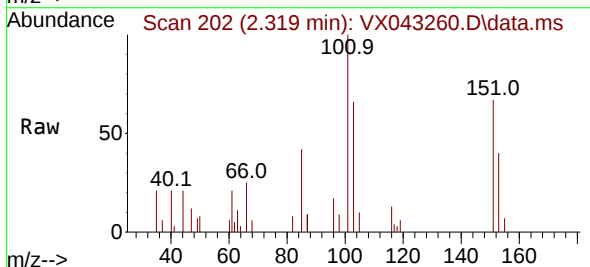
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

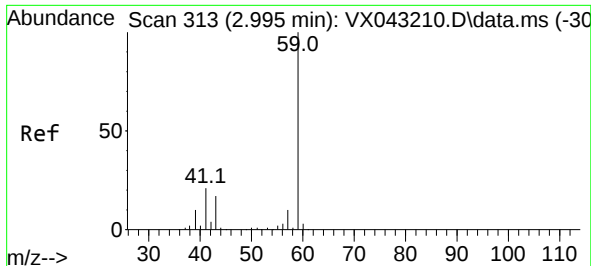
Tgt Ion: 64 Resp: 2148
Ion Ratio Lower Upper
64 100
66 6.7 25.8 38.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.797 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 101 Resp: 3471
Ion Ratio Lower Upper
101 100
85 45.2 37.0 55.6
151 70.0 60.0 90.0

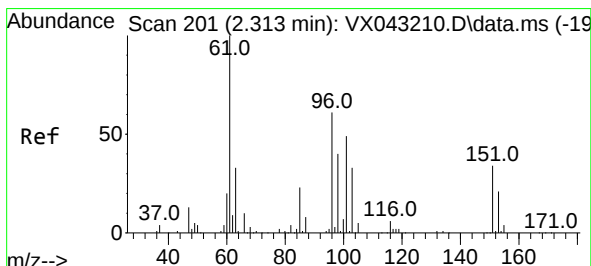
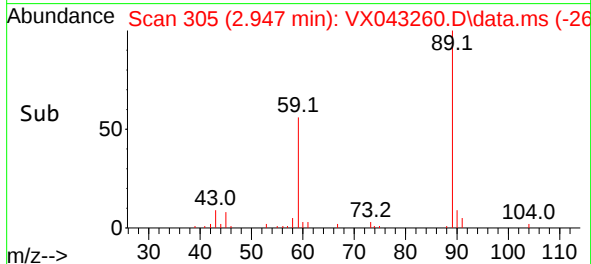
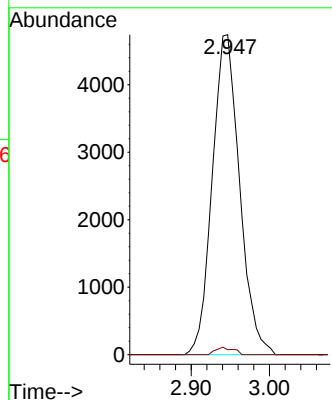
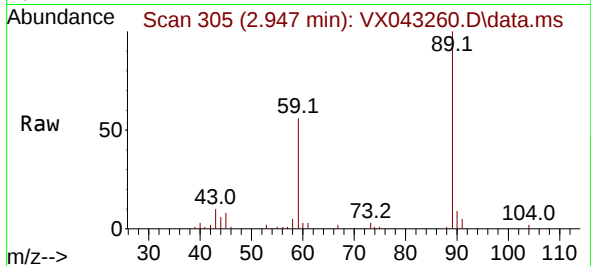




#11
Tert butyl alcohol
Concen: 45.280 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

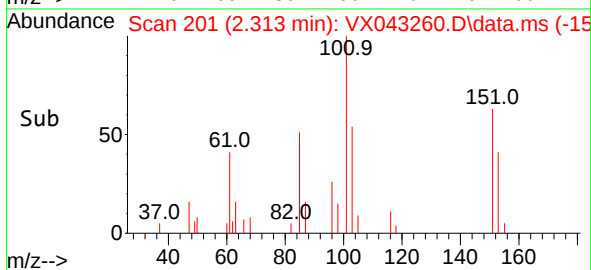
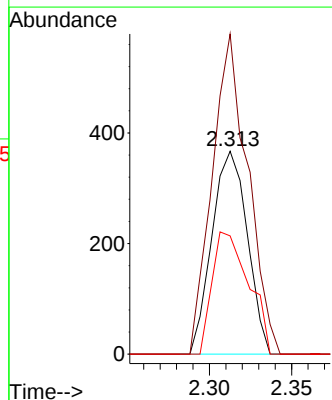
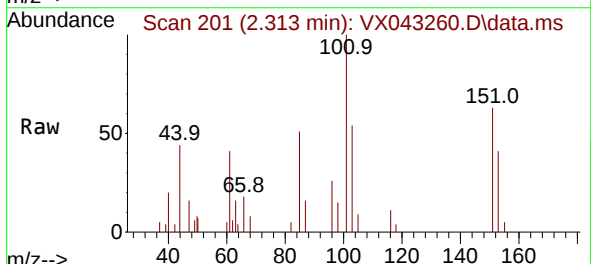
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

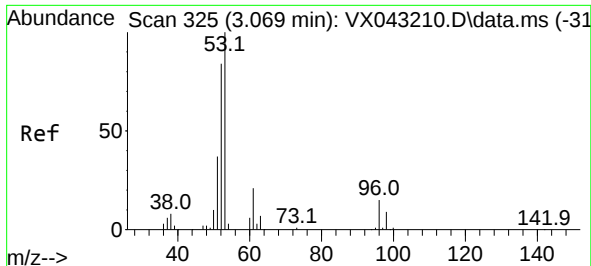
Tgt Ion: 59 Resp: 11499
Ion Ratio Lower Upper
59 100
57 1.5 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 0.604 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 96 Resp: 548
Ion Ratio Lower Upper
96 100
61 157.8 130.6 195.8
98 58.3 51.7 77.5





#15

Acrylonitrile

Concen: 0.499 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.122 min

Lab File: VX043260.D

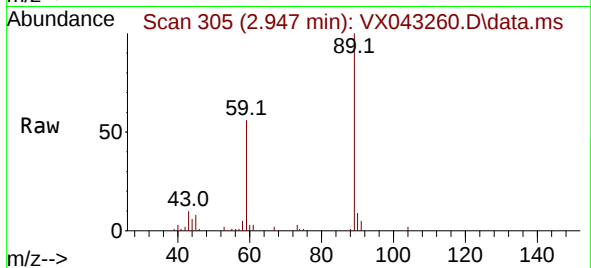
Acq: 03 Oct 2024 14:25

Instrument :

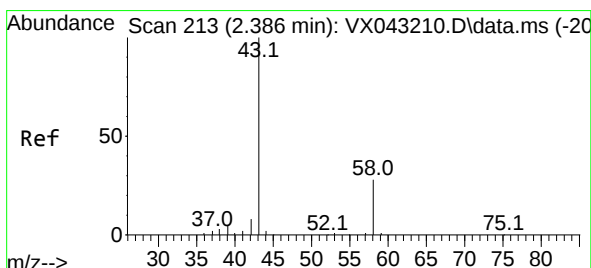
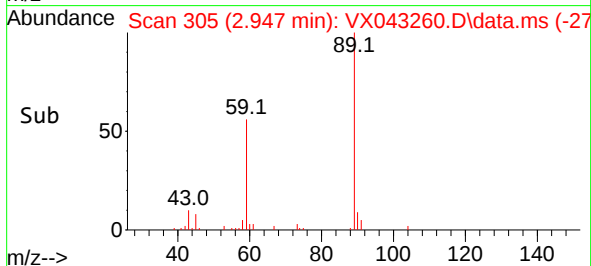
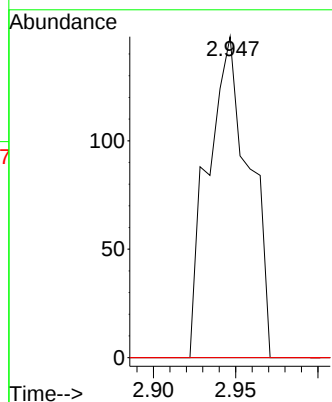
MSVOA_X

ClientSampleId :

TT101D-20240924DL



Tgt Ion:	53	Resp:	259
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.6	101.4#
51	0.0	30.3	45.5#



#16

Acetone

Concen: 1.218 ug/l

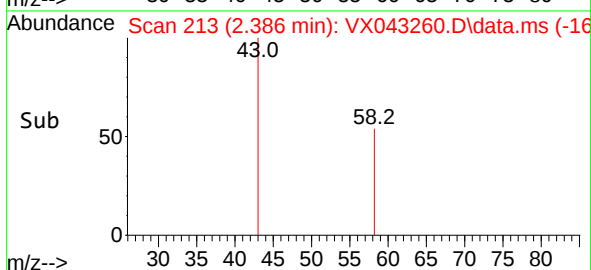
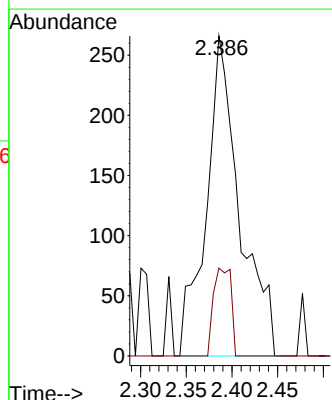
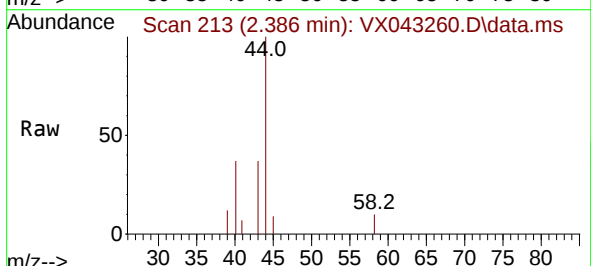
RT: 2.386 min Scan# 213

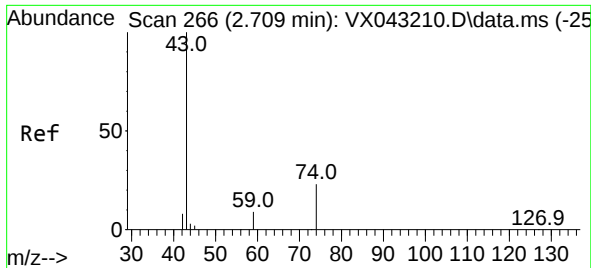
Delta R.T. -0.000 min

Lab File: VX043260.D

Acq: 03 Oct 2024 14:25

Tgt Ion:	43	Resp:	679
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.6	33.8

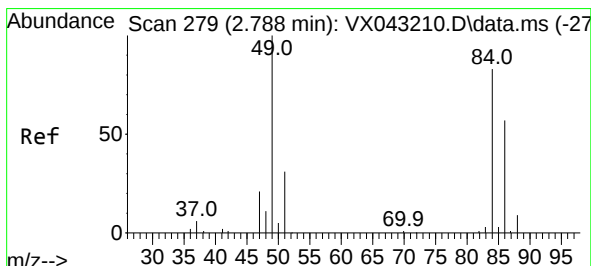
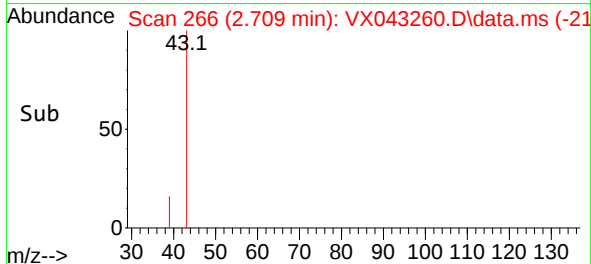
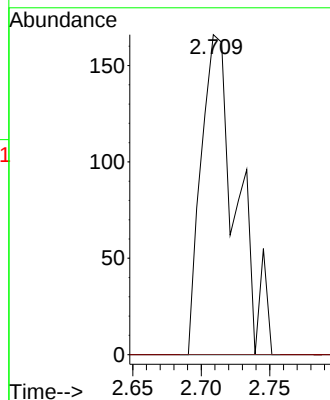
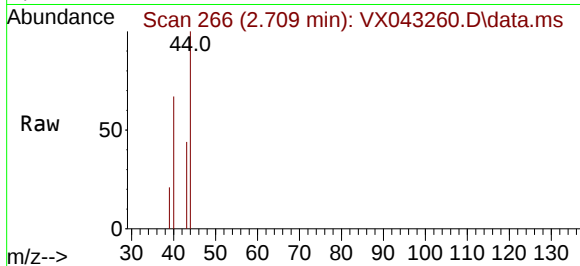




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

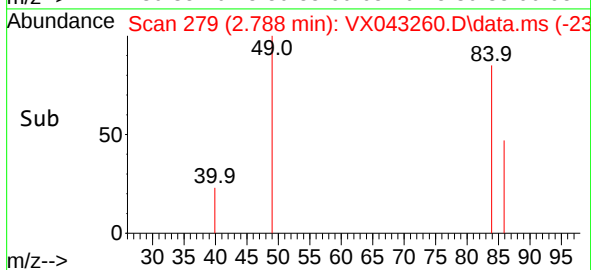
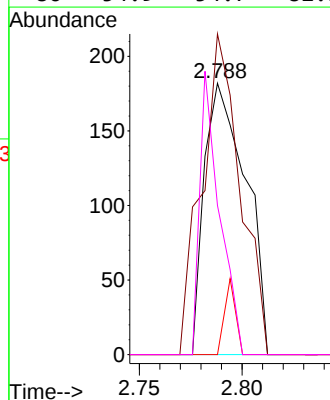
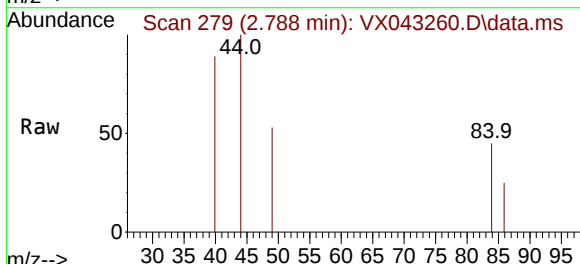
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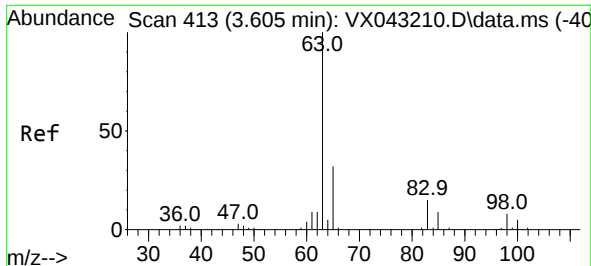
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 84 Resp: 255
Ion Ratio Lower Upper
84 100
49 118.1 96.7 145.1
51 0.0 30.4 45.6#
86 54.9 54.7 82.1

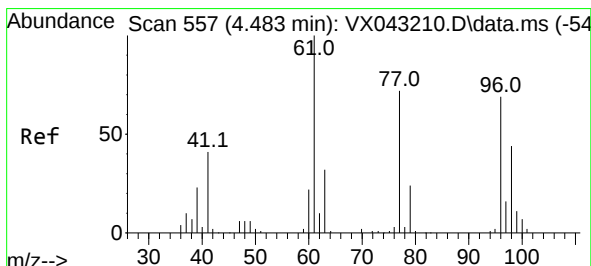
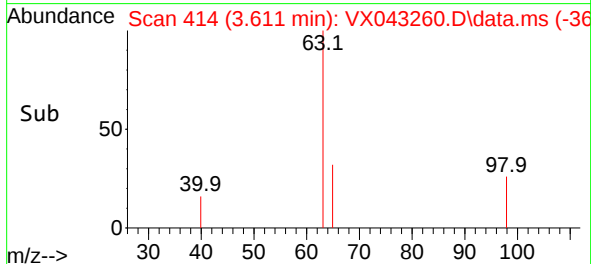
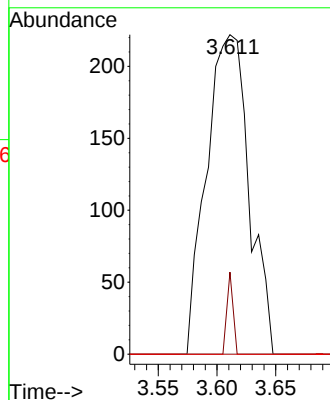
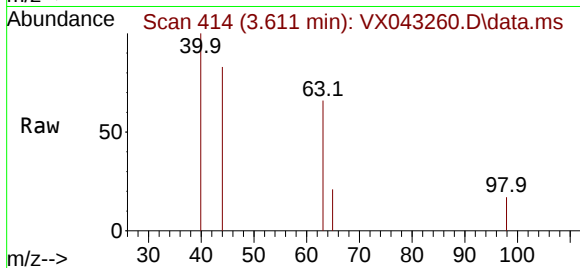




#24
 1,1-Dichloroethane
 Concen: 0.320 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043260.D
 Acq: 03 Oct 2024 14:25

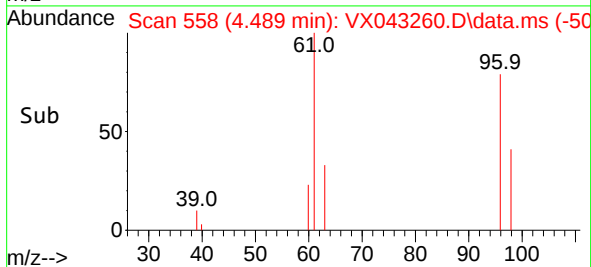
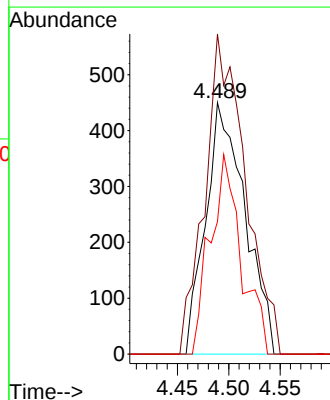
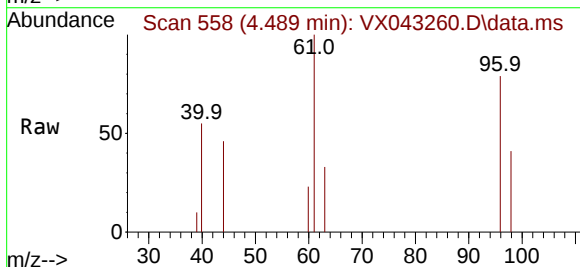
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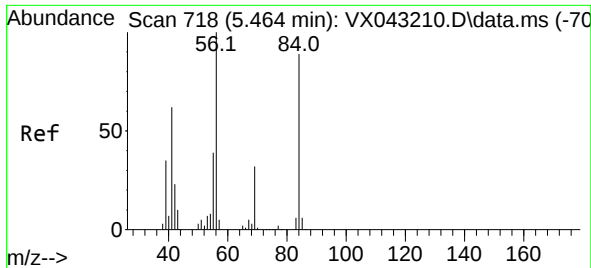
Tgt Ion: 63 Resp: 560
 Ion Ratio Lower Upper
 63 100
 98 25.7 3.8 11.2#
 100 0.0 2.5 7.4#



#27
 cis-1,2-Dichloroethene
 Concen: 1.063 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX043260.D
 Acq: 03 Oct 2024 14:25

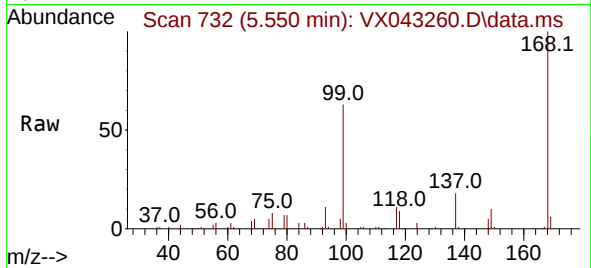
Tgt Ion: 96 Resp: 1198
 Ion Ratio Lower Upper
 96 100
 61 130.9 0.0 298.2
 98 62.4 0.0 128.6



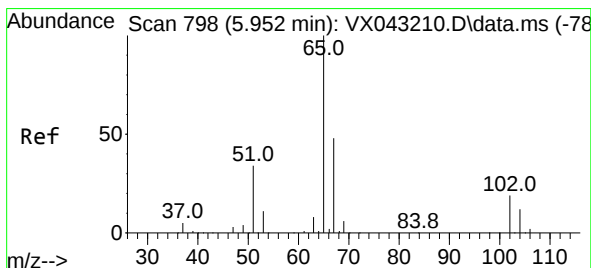
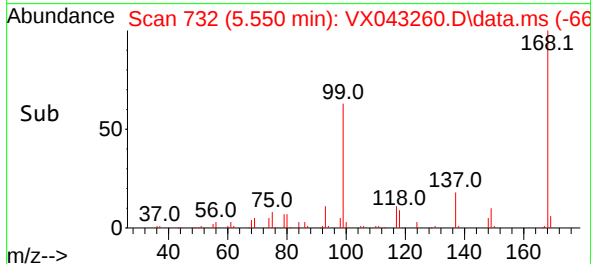
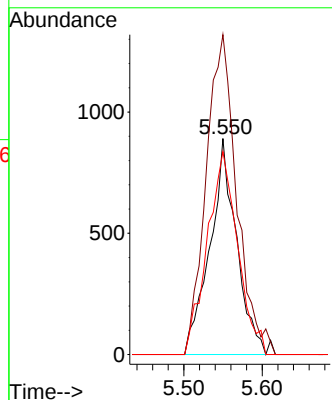


#31
Cyclohexane
Concen: 1.469 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

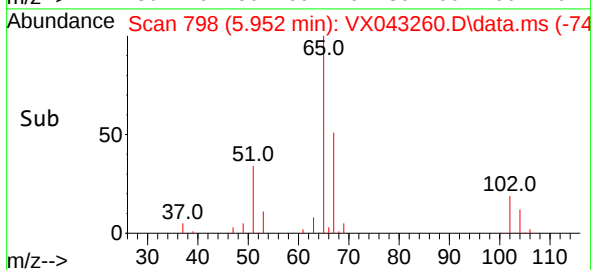
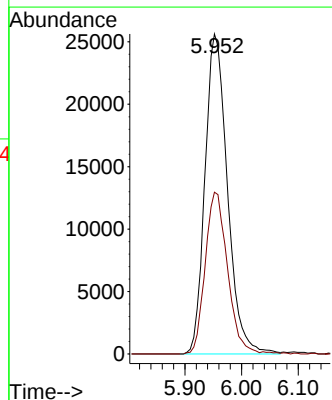
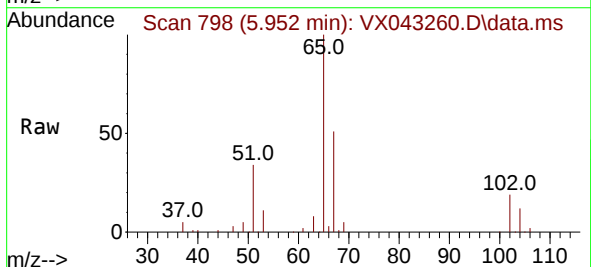


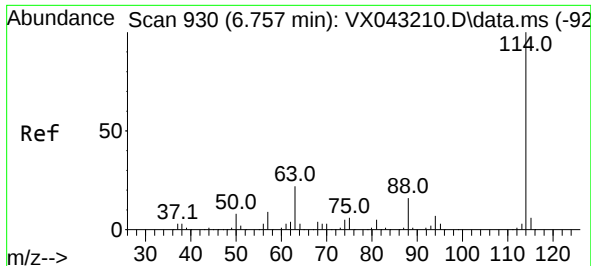
Tgt Ion: 56 Resp: 2116
Ion Ratio Lower Upper
56 100
69 148.0 25.8 38.6#
84 93.9 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 52.859 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 65 Resp: 70541
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.0

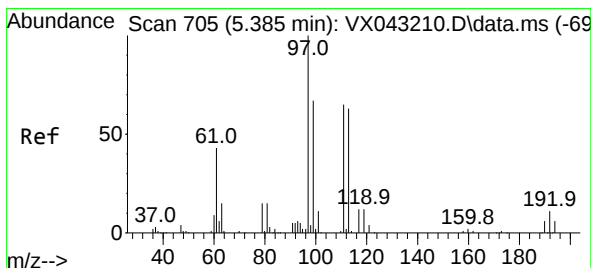
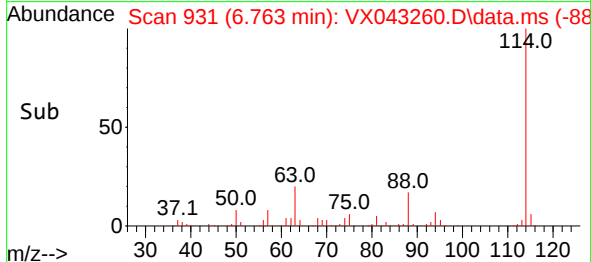
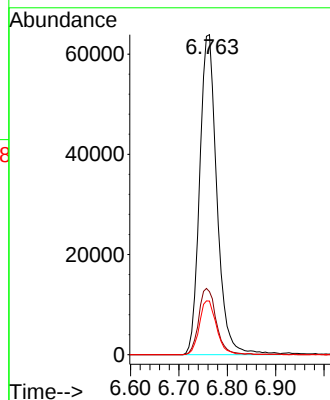
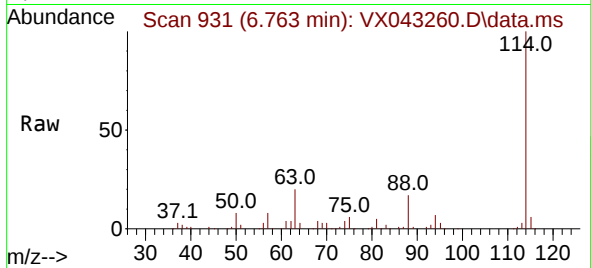




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

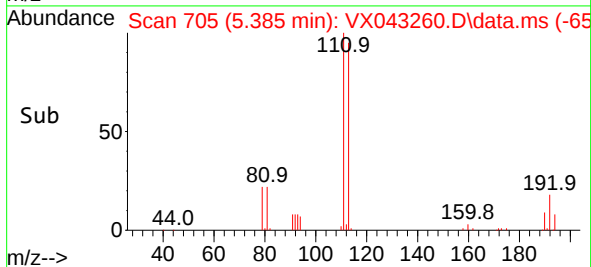
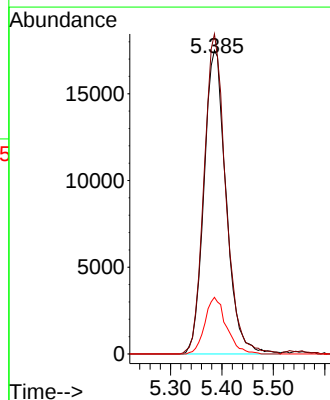
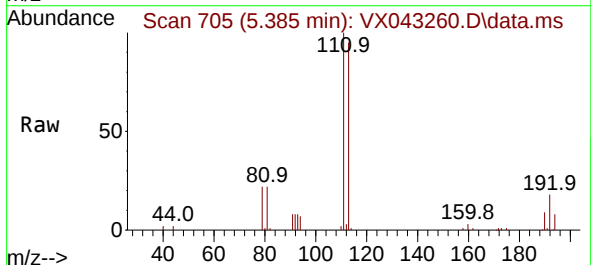
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

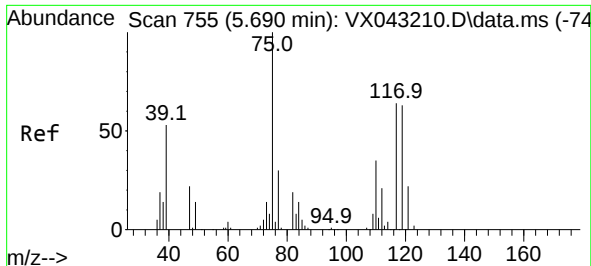
Tgt Ion:114 Resp: 158591
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.0
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.881 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion:113 Resp: 52368
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.0
192 18.1 14.1 21.1

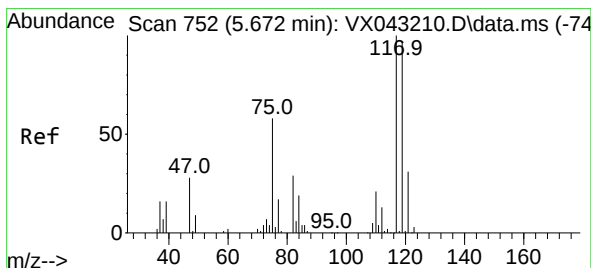
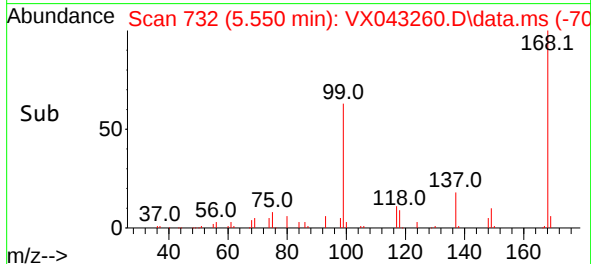
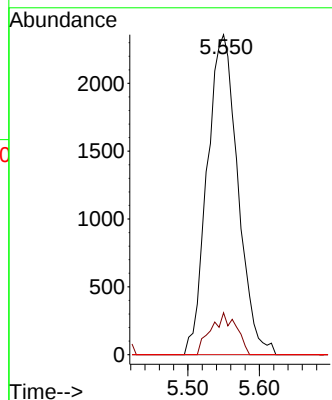
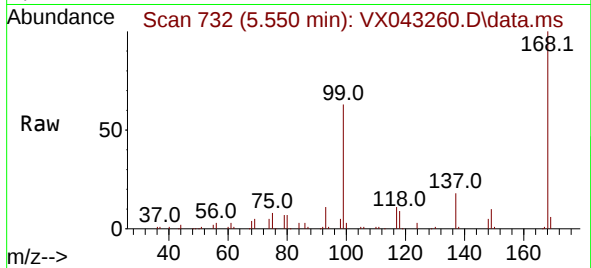




#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

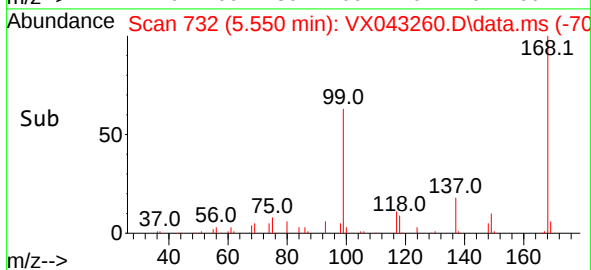
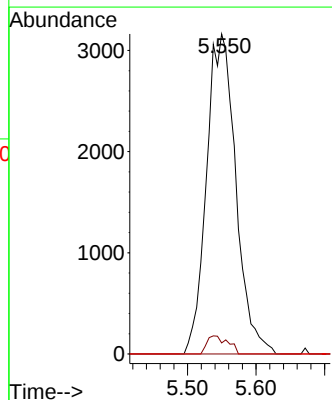
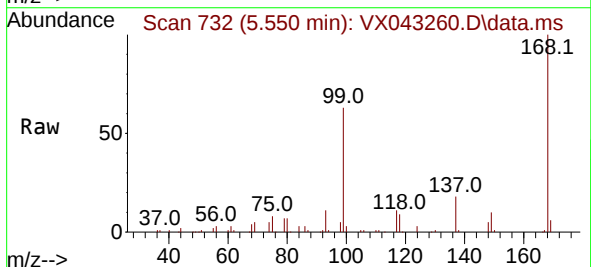
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

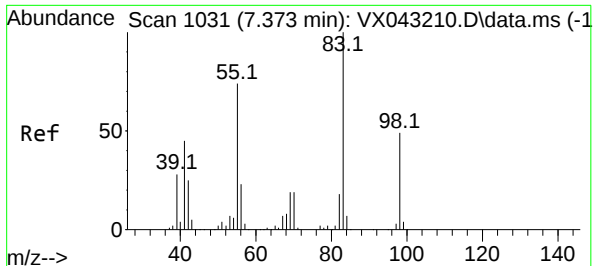
Tgt Ion: 75 Resp: 7012
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 117 Resp: 9410
Ion Ratio Lower Upper
117 100
119 3.4 77.7 116.5#
121 0.0 24.3 36.5#





#39

Methylcyclohexane

Concen: 0.262 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX043260.D

Acq: 03 Oct 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20240924DL

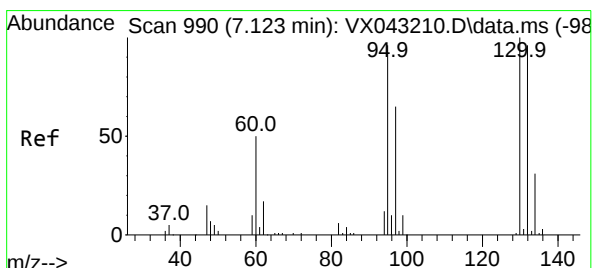
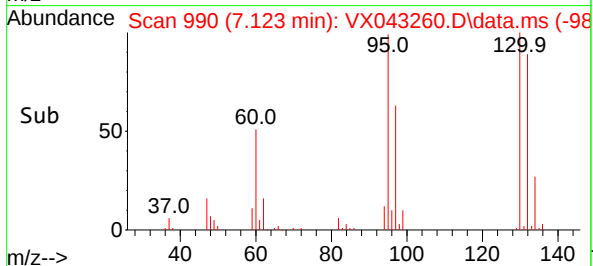
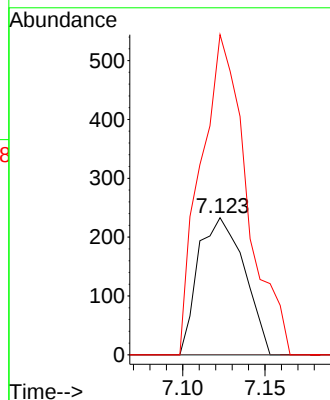
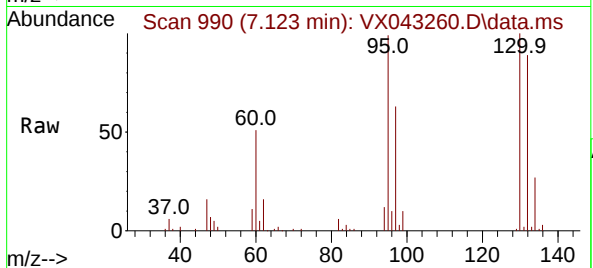
Tgt Ion: 83 Resp: 455

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

98 233.5 39.3 58.9#



#44

Trichloroethene

Concen: 36.329 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043260.D

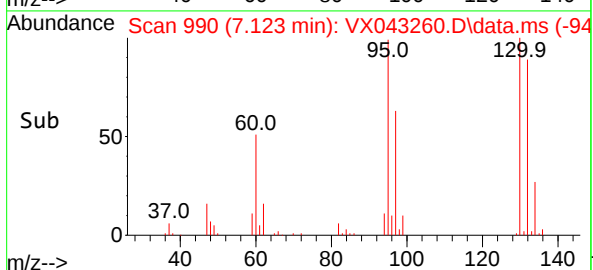
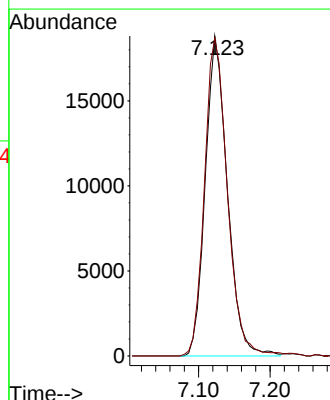
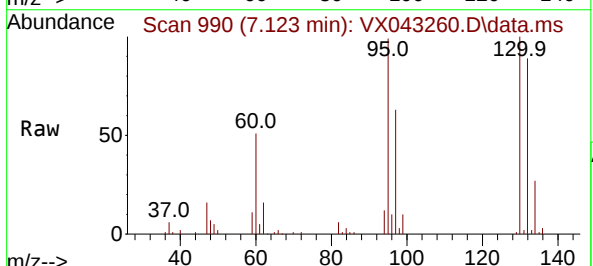
Acq: 03 Oct 2024 14:25

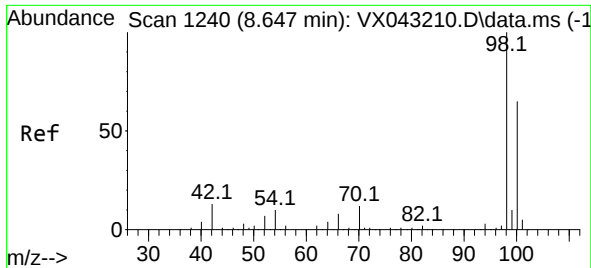
Tgt Ion:130 Resp: 40366

Ion Ratio Lower Upper

130 100

95 99.2 0.0 192.2

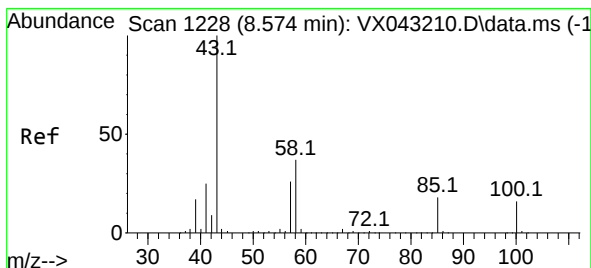
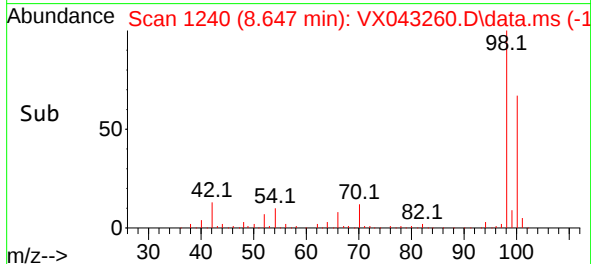
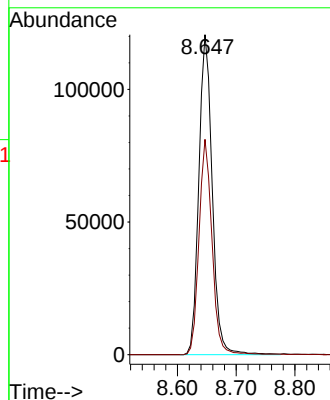
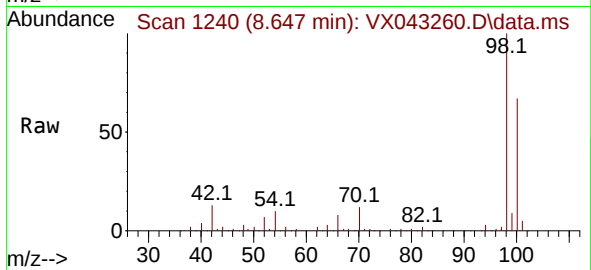




#50
Toluene-d8
Concen: 50.453 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

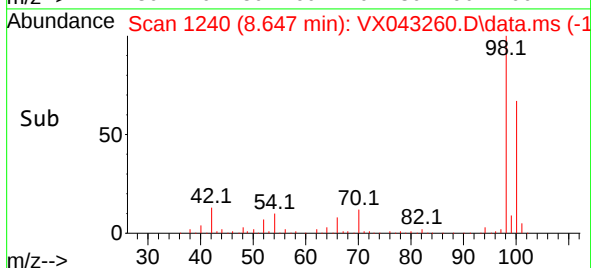
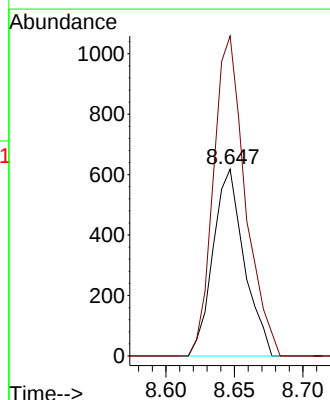
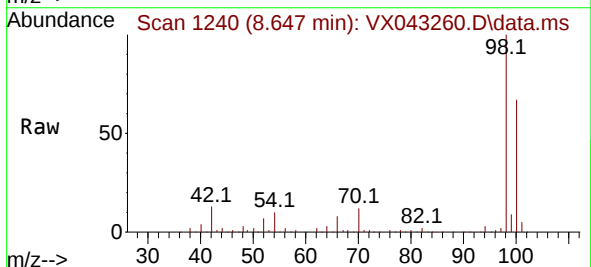
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

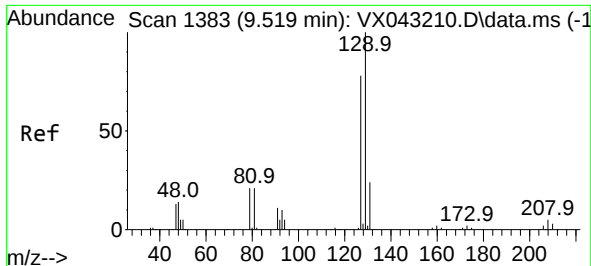
Tgt Ion: 98 Resp: 191228
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 174.7 30.0 45.0#

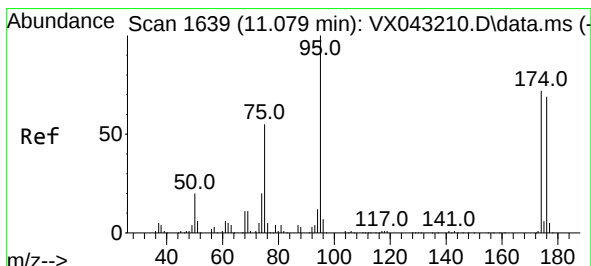
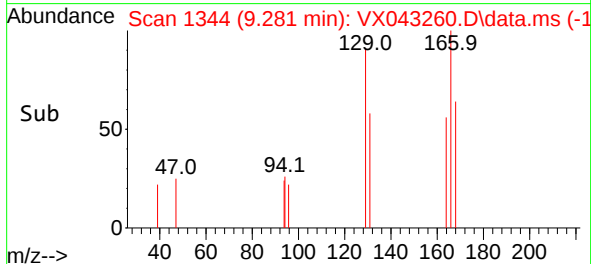
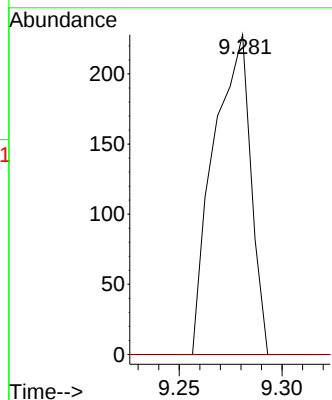
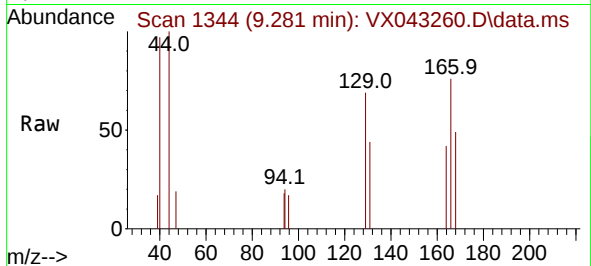




#60
Dibromochloromethane
Concen: 0.236 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

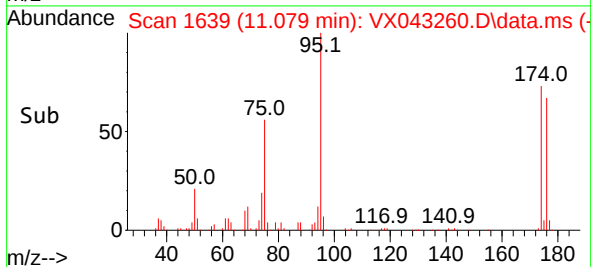
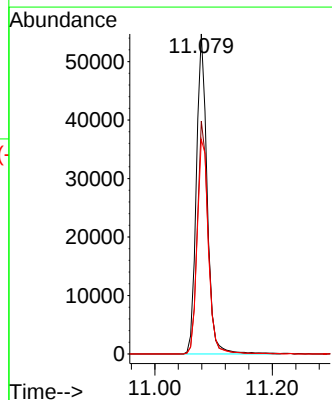
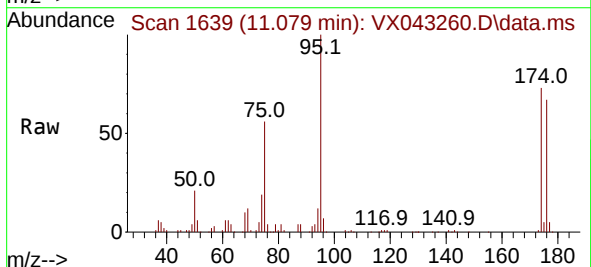
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20240924DL

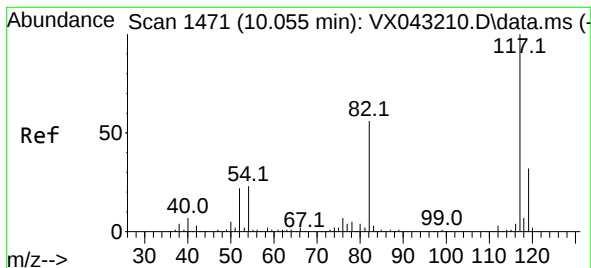
Tgt Ion:129 Resp: 286
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043260.D
Acq: 03 Oct 2024 14:25

Tgt Ion: 95 Resp: 69756
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.0
176 70.0 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: VX043260.D

Acq: 03 Oct 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20240924DL

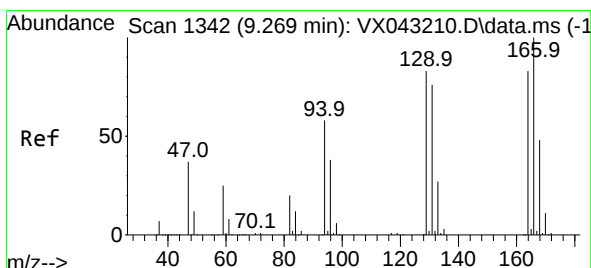
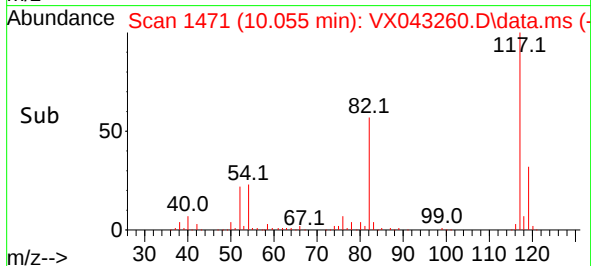
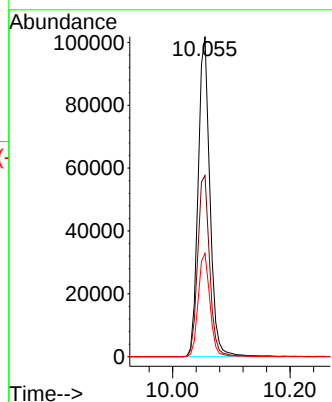
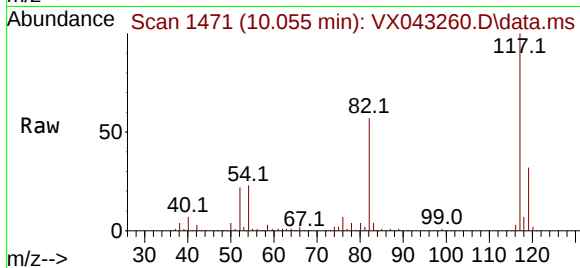
Tgt Ion:117 Resp: 141854

Ion Ratio Lower Upper

117 100

82 56.6 45.0 67.6

119 32.3 25.3 37.9



#64

Tetrachloroethene

Concen: 0.236 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043260.D

Acq: 03 Oct 2024 14:25

Tgt Ion:164 Resp: 232

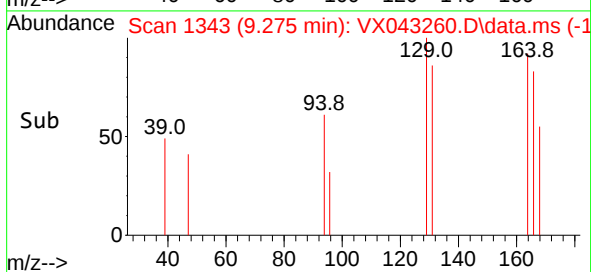
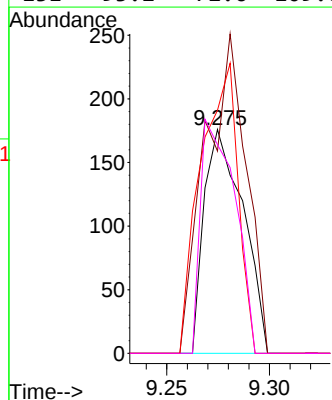
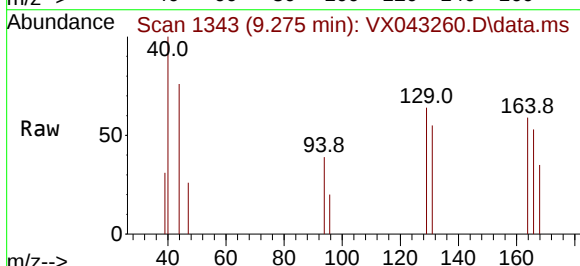
Ion Ratio Lower Upper

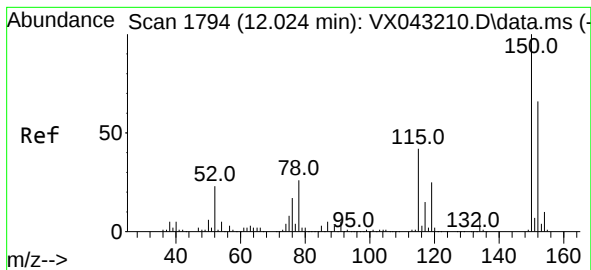
164 100

166 90.3 96.0 144.0#

129 108.5 79.4 119.0

131 93.2 72.6 109.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043260.D

Acq: 03 Oct 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20240924DL

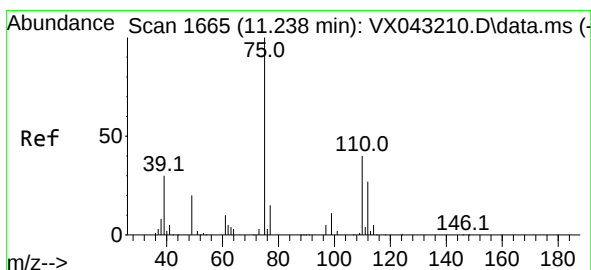
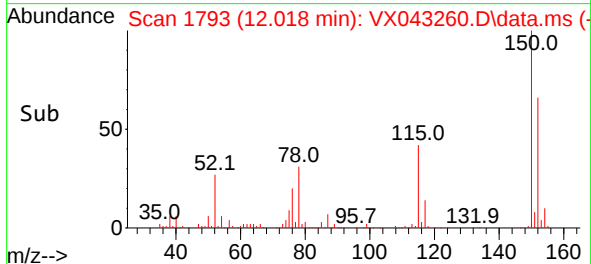
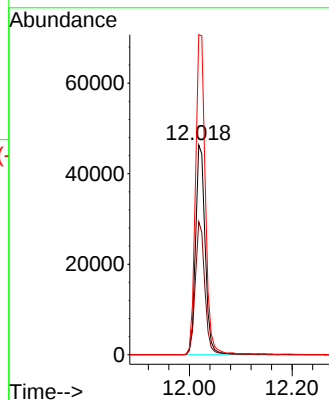
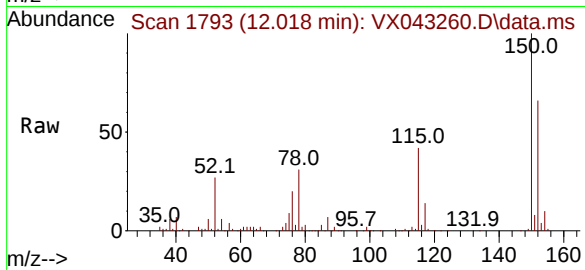
Tgt Ion:152 Resp: 60480

Ion Ratio Lower Upper

152 100

115 62.6 44.1 132.3

150 156.0 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 28.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043260.D

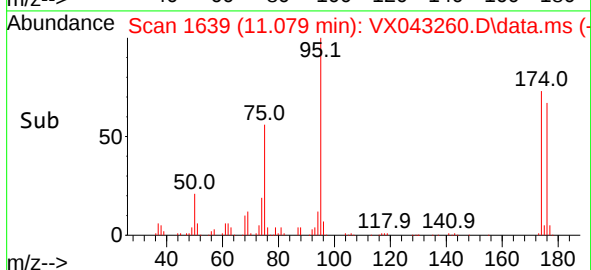
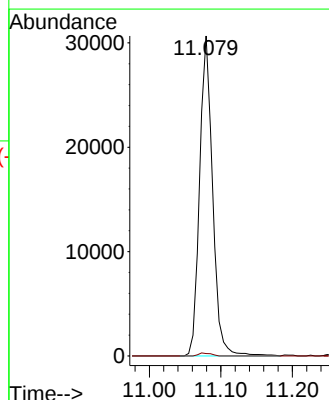
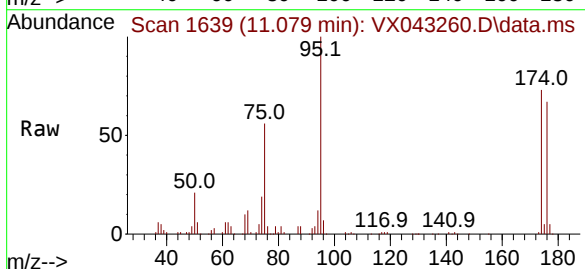
Acq: 03 Oct 2024 14:25

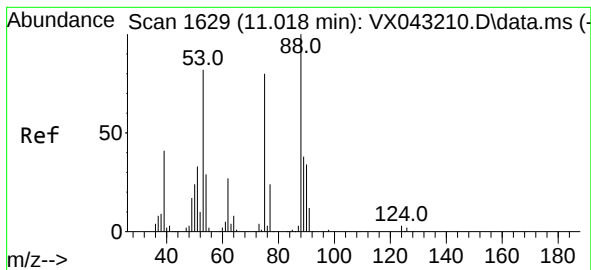
Tgt Ion: 75 Resp: 38712

Ion Ratio Lower Upper

75 100

77 0.9 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.787 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043260.D
 Acq: 03 Oct 2024 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20240924DL

Tgt Ion: 75 Resp: 38712
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

