

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043268.D
 Acq On : 03 Oct 2024 17:31
 Operator : JC/MD
 Sample : P4263-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20240930

Quant Time: Oct 04 01:35:47 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)

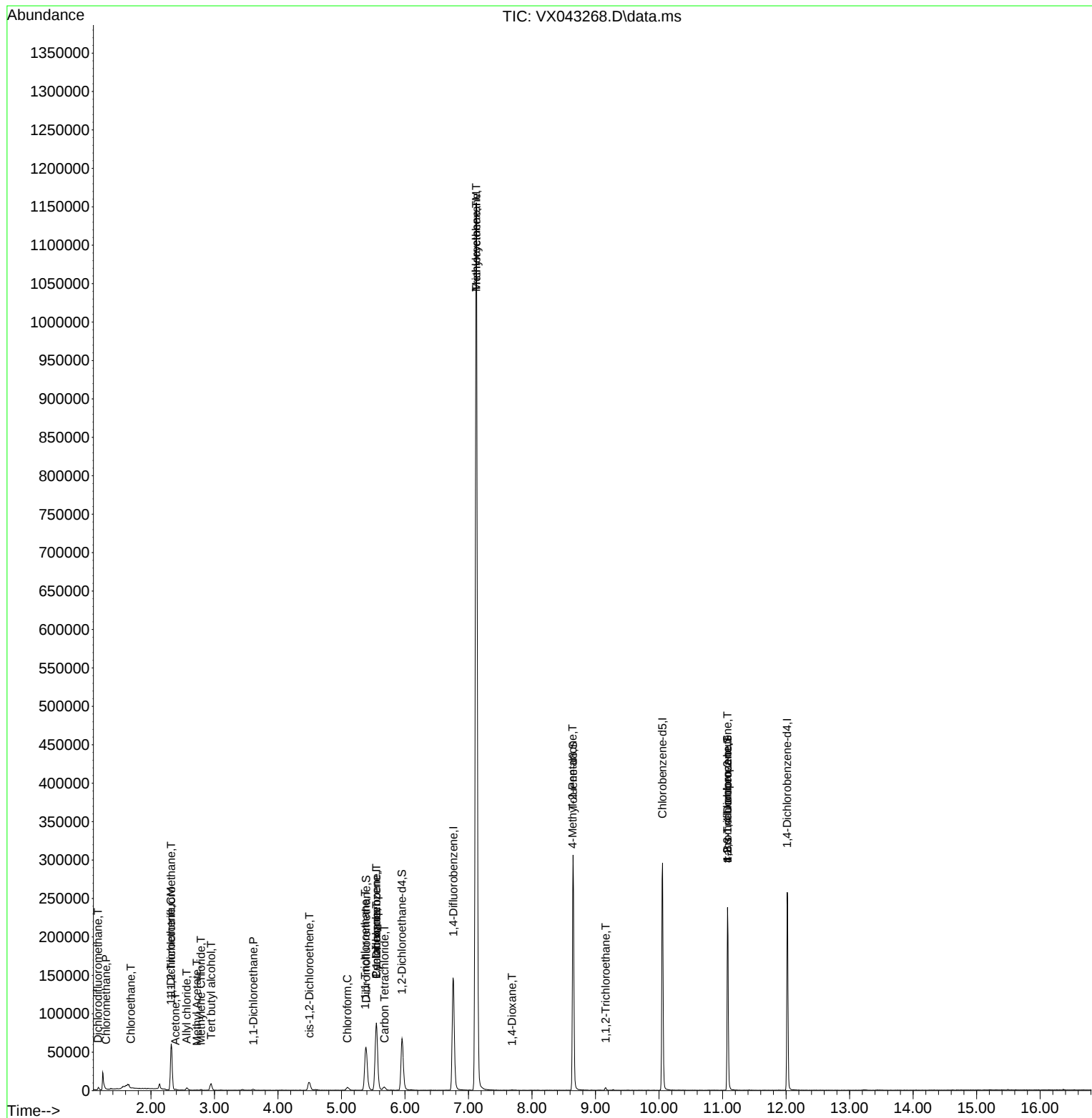
Internal Standards						
1) Pentafluorobenzene	5.550	168	78477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	147686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68607	53.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.060%	
35) Dibromofluoromethane	5.385	113	49897	48.991	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.980%	
50) Toluene-d8	8.647	98	179865	50.959	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	11.079	95	62997	49.129	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1416	1.551	ug/l	88
3) Chloromethane	1.295	50	192	0.204	ug/l #	42
6) Chloroethane	1.685	64	290	0.827	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.319	101	20895	23.797	ug/l	99
11) Tert butyl alcohol	2.947	59	5013	20.554	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	3678	4.218	ug/l	96
14) Allyl chloride	2.563	41	460	0.321	ug/l #	67
16) Acetone	2.386	43	831	1.553	ug/l #	87
18) Methyl Acetate	2.721	43	289	0.215	ug/l #	51
20) Methylene Chloride	2.788	84	404	0.409	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	1714	1.021	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	6826	6.307	ug/l	90
30) Chloroform	5.093	83	4355	2.363	ug/l	89
31) Cyclohexane	5.550	56	1870	1.352	ug/l #	23
32) 1,1,1-Trichloroethane	5.373	97	525	0.310	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	6749	5.245	ug/l #	50
38) Carbon Tetrachloride	5.678	117	3589	2.356	ug/l	98
39) Methylcyclohexane	7.123	83	5524	3.413	ug/l #	1
44) Trichloroethene	7.123	130	432316	417.810	ug/l	94
49) 1,4-Dioxane	7.684	88	420	17.254	ug/l #	65
51) 4-Methyl-2-Pentanone	8.641	43	877	0.566	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1003	1.032	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	34721	29.535	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	34721	76.544	ug/l #	8

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

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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

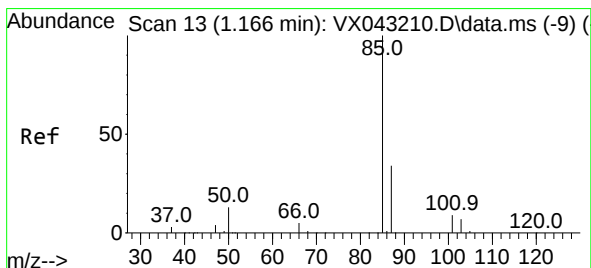
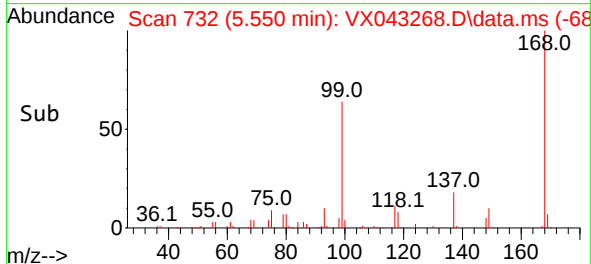
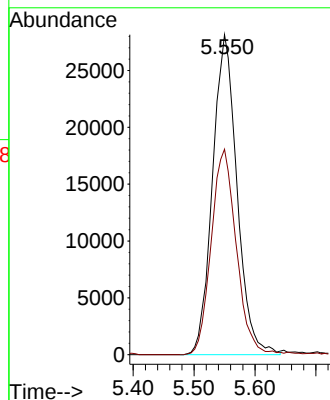
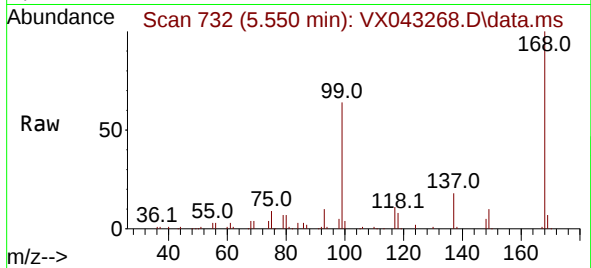




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

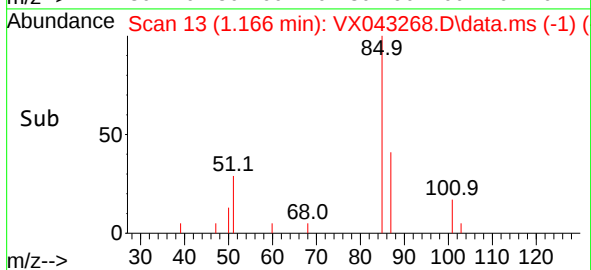
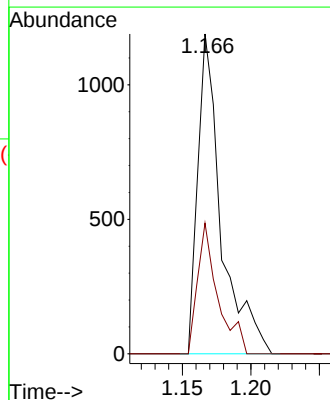
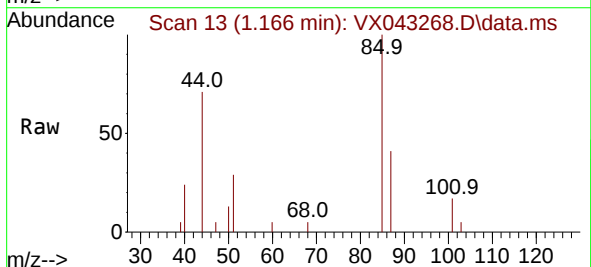
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

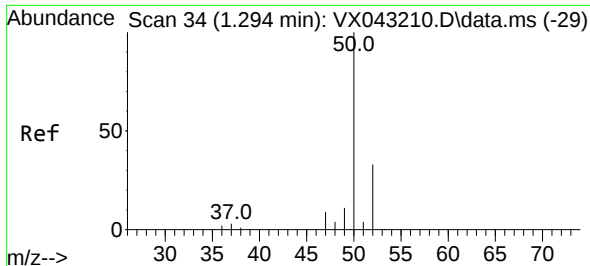
Tgt Ion:168 Resp: 78477
Ion Ratio Lower Upper
168 100
99 64.2 49.7 74.5



#2
Dichlorodifluoromethane
Concen: 1.551 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 85 Resp: 1416
Ion Ratio Lower Upper
85 100
87 40.9 17.1 51.2

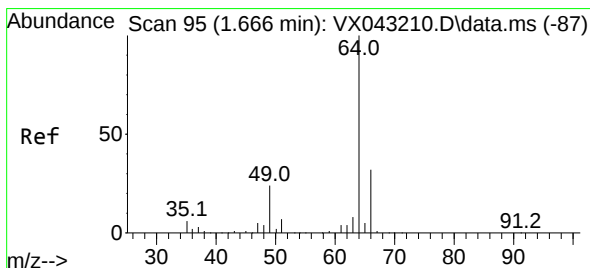
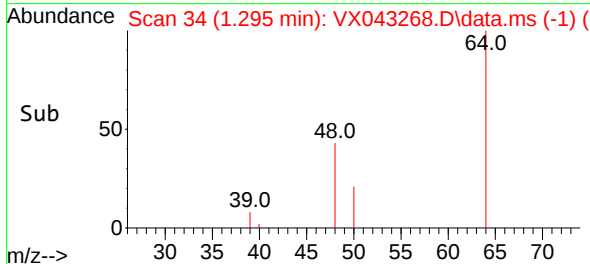
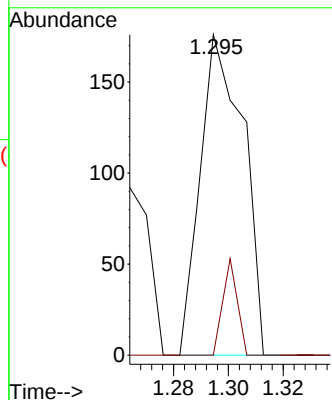
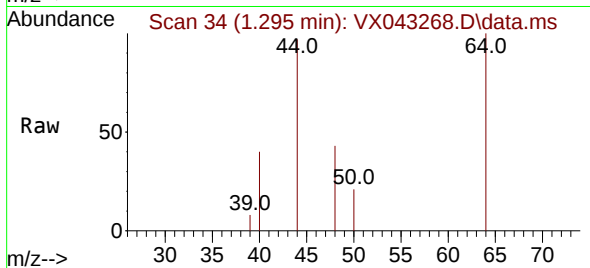




#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

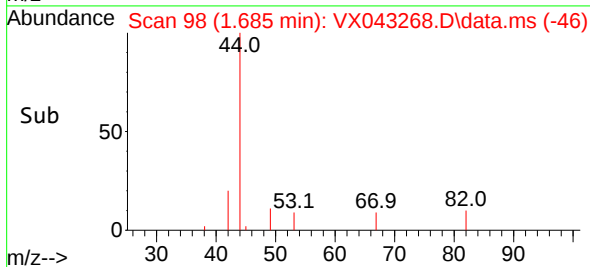
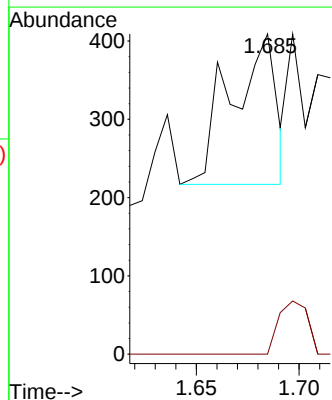
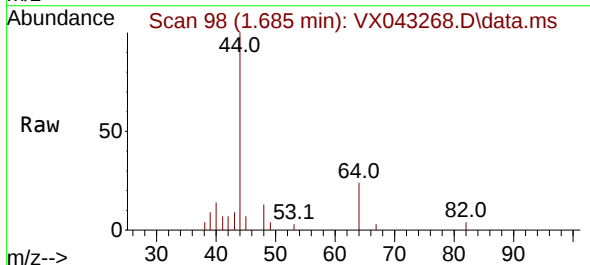
Instrument :
MSVOA_X
ClientSampleId :
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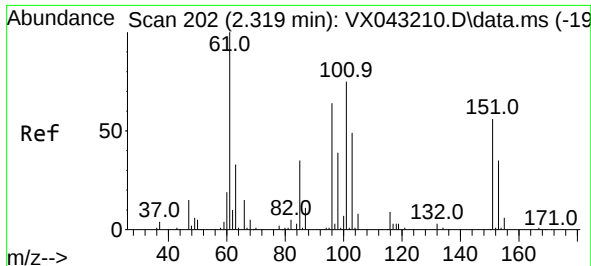
Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#



#6
Chloroethane
Concen: 0.827 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

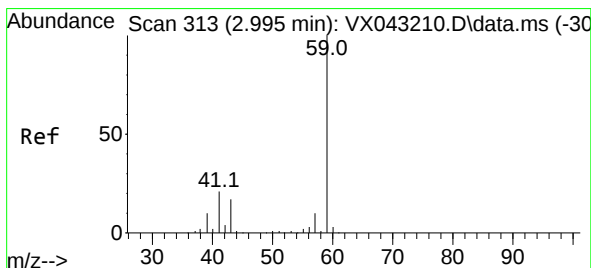
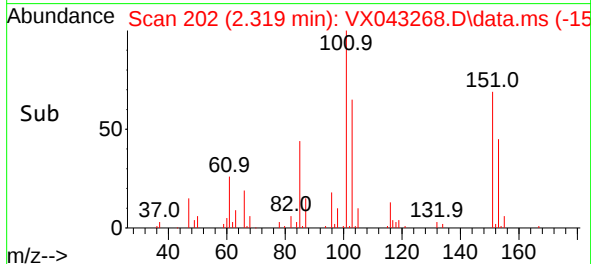
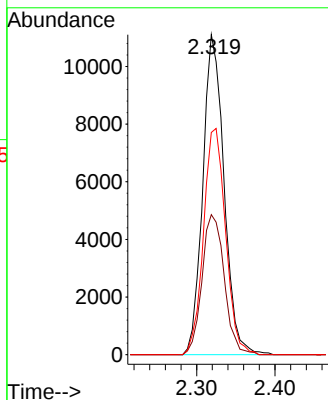
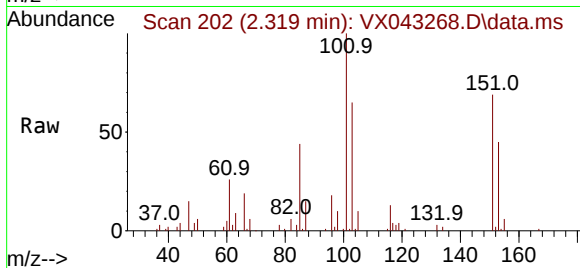




#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.797 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

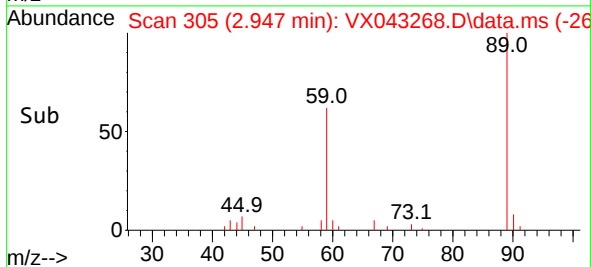
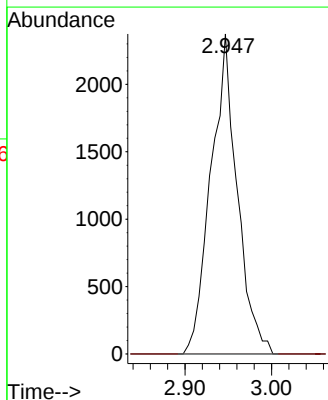
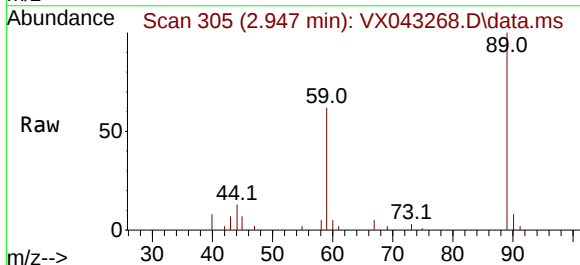
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

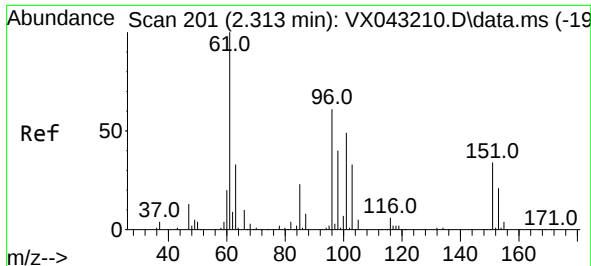
Tgt Ion:101 Resp: 20895
Ion Ratio Lower Upper
101 100
85 45.9 37.0 55.6
151 73.5 60.0 90.0



#11
Tert butyl alcohol
Concen: 20.554 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 59 Resp: 5013
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

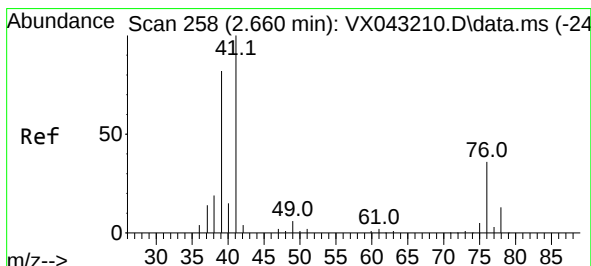
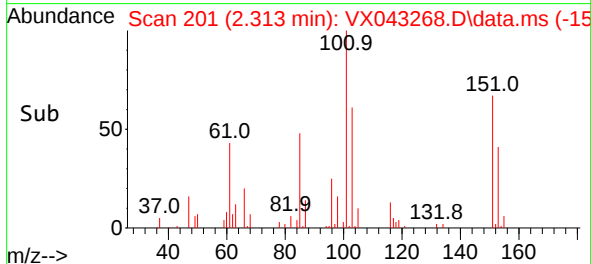
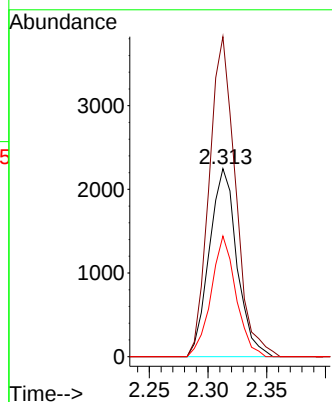
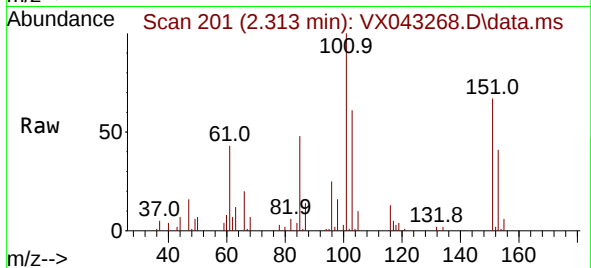




#12
1,1-Dichloroethene
Concen: 4.218 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

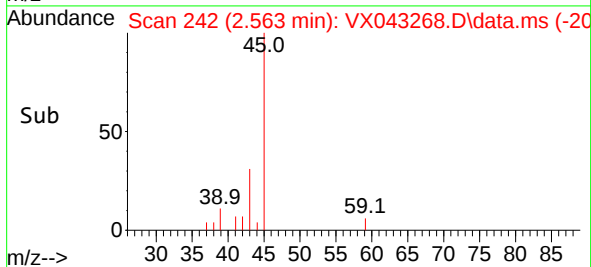
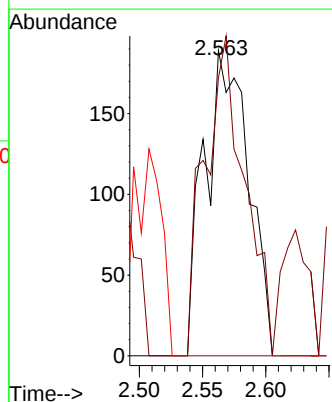
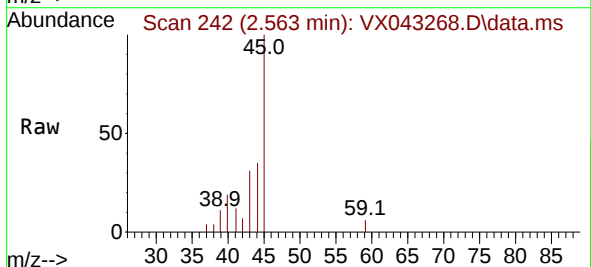
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

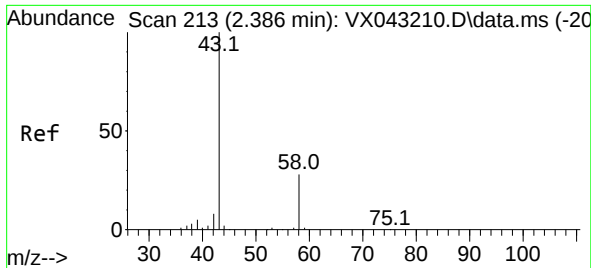
Tgt Ion: 96 Resp: 3678
Ion Ratio Lower Upper
96 100
61 170.2 130.6 195.8
98 64.2 51.7 77.5



#14
Allyl chloride
Concen: 0.321 ug/l
RT: 2.563 min Scan# 242
Delta R.T. -0.098 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 41 Resp: 460
Ion Ratio Lower Upper
41 100
39 94.6 61.7 92.5#
76 0.0 28.6 43.0#





#16

Acetone

Concen: 1.553 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043268.D

Acq: 03 Oct 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

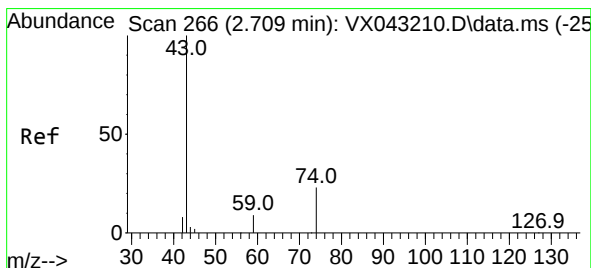
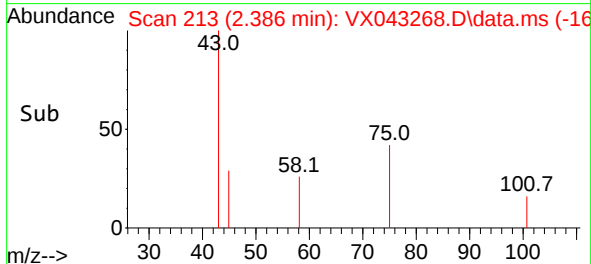
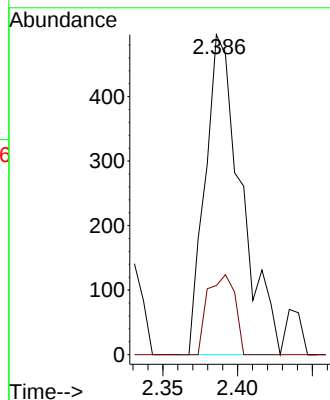
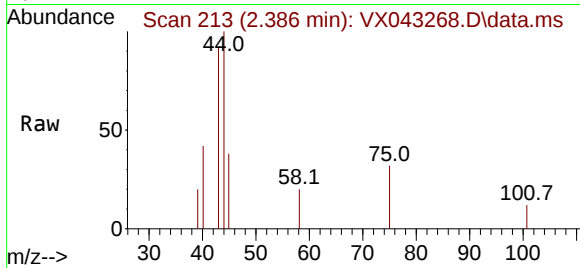
RE114D1-20240930

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 21.6 22.6 33.8#



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.012 min

Lab File: VX043268.D

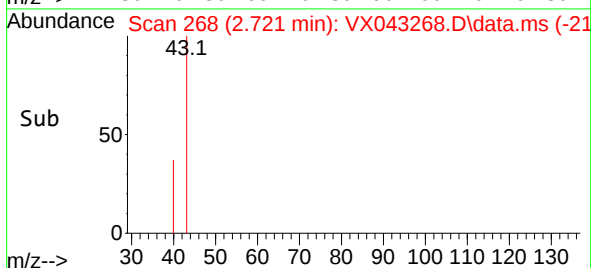
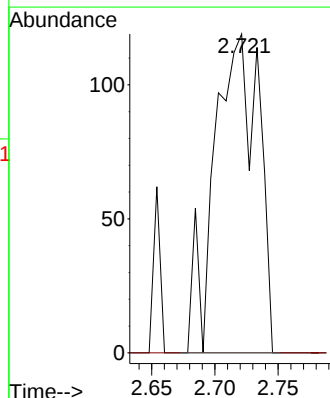
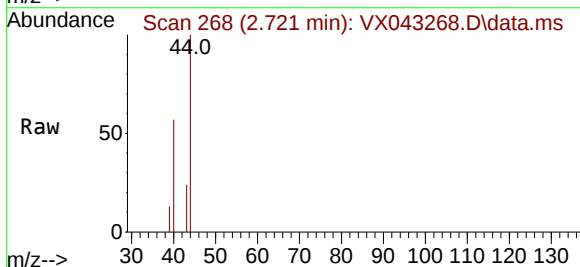
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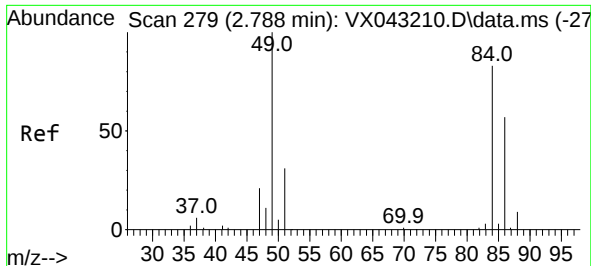
Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#





#20

Methylene Chloride

Concen: 0.409 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043268.D

Acq: 03 Oct 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20240930

Tgt Ion: 84 Resp: 404

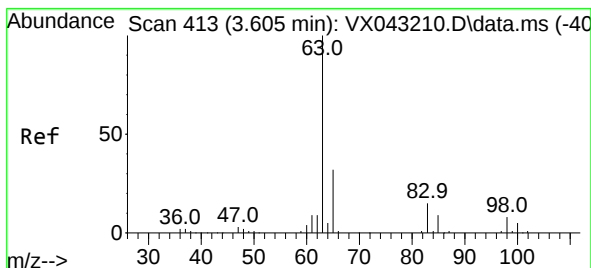
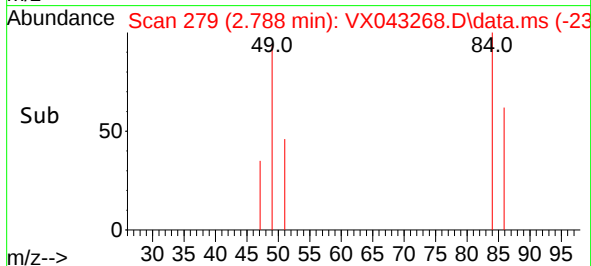
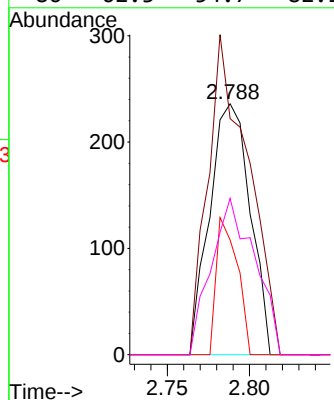
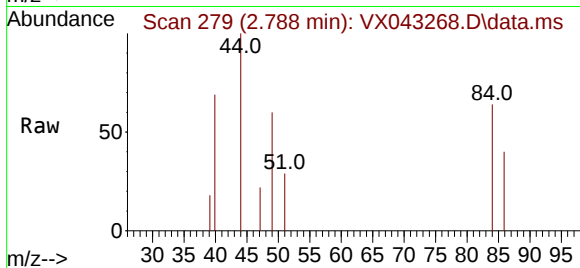
Ion Ratio Lower Upper

84 100

49 94.1 96.7 145.1#

51 45.8 30.4 45.6#

86 62.3 54.7 82.1



#24

1,1-Dichloroethane

Concen: 1.021 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX043268.D

Acq: 03 Oct 2024 17:31

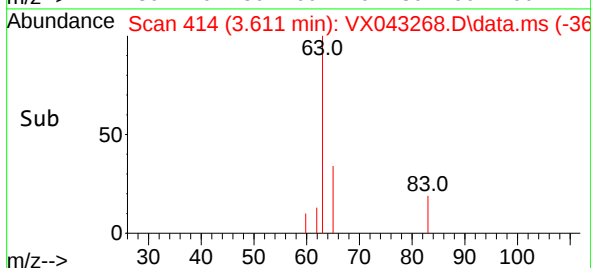
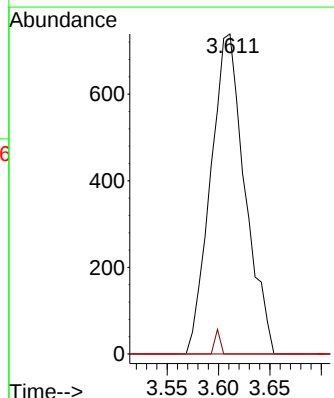
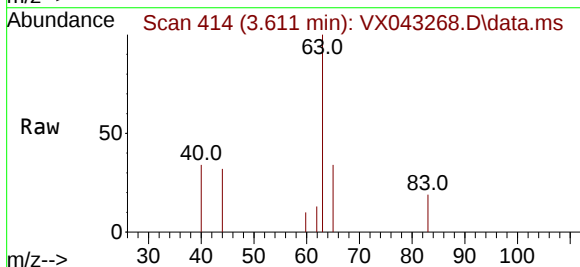
Tgt Ion: 63 Resp: 1714

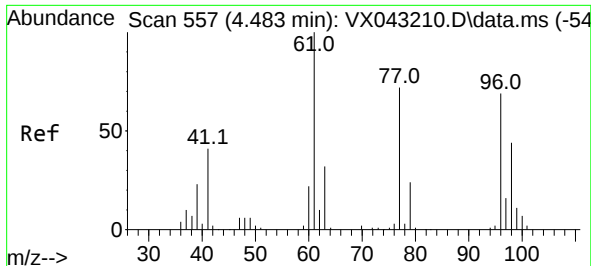
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.4#





#27

cis-1,2-Dichloroethene

Concen: 6.307 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043268.D

Acq: 03 Oct 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20240930

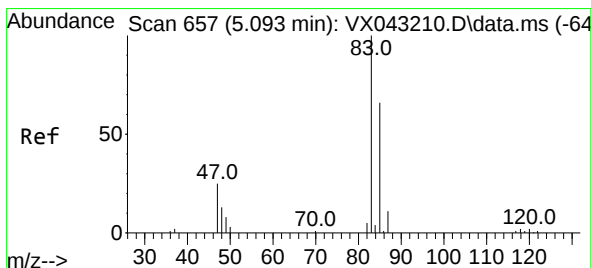
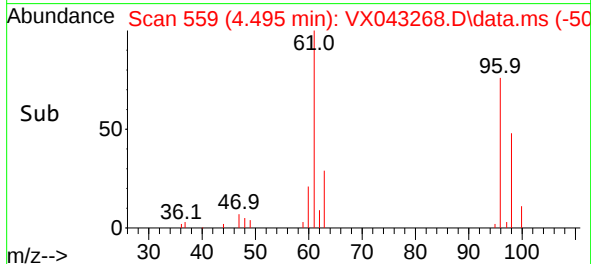
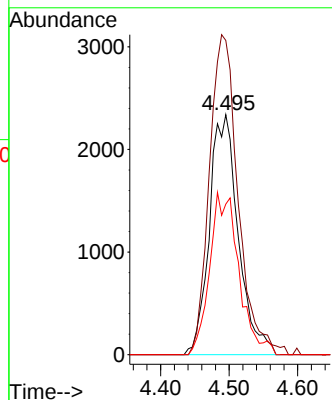
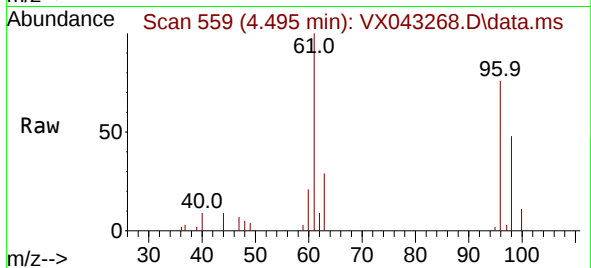
Tgt Ion: 96 Resp: 6826

Ion Ratio Lower Upper

96 100

61 133.1 0.0 298.2

98 68.2 0.0 128.6



#30

Chloroform

Concen: 2.363 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX043268.D

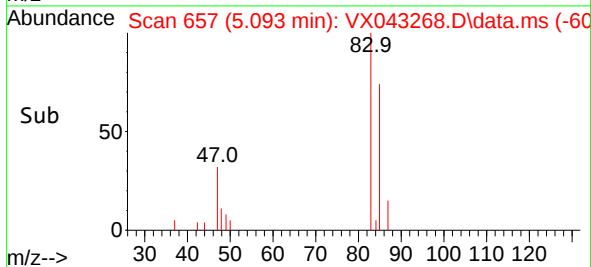
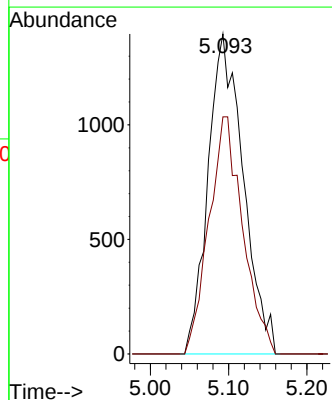
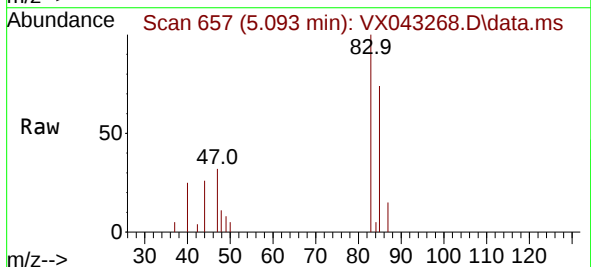
Acq: 03 Oct 2024 17:31

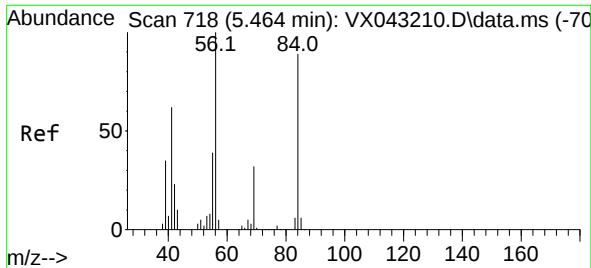
Tgt Ion: 83 Resp: 4355

Ion Ratio Lower Upper

83 100

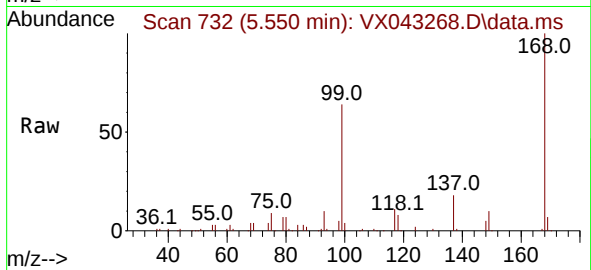
85 74.1 52.5 78.7



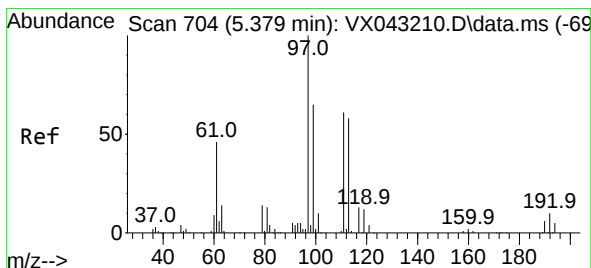
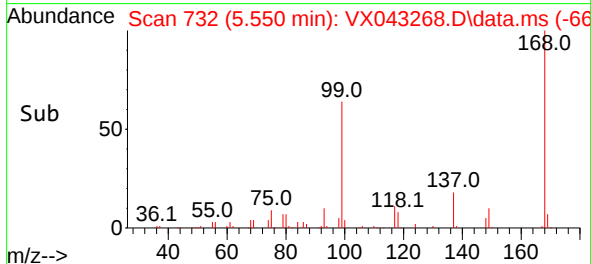
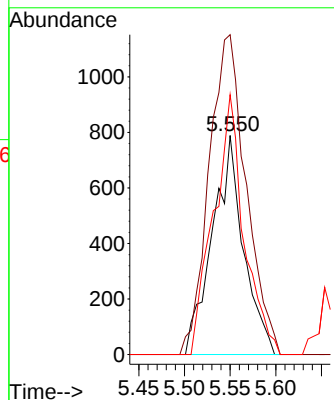


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

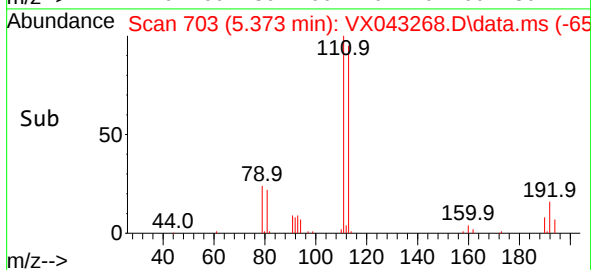
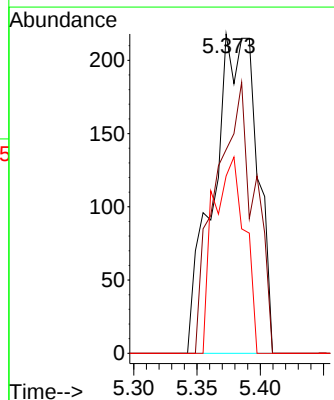
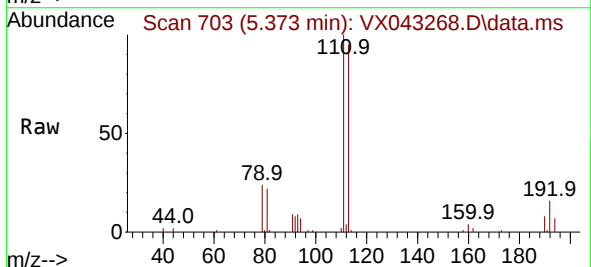


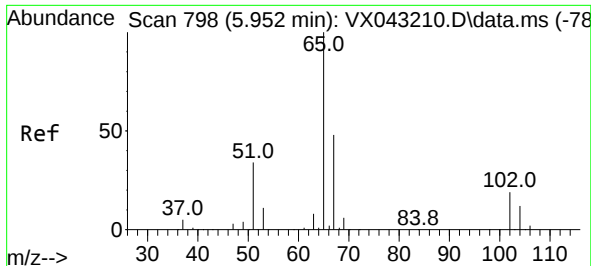
Tgt Ion: 56 Resp: 1870
Ion Ratio Lower Upper
56 100
69 146.0 25.8 38.6#
84 118.6 71.1 106.7#



#32
1,1,1-Trichloroethane
Concen: 0.310 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 97 Resp: 525
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 43.8 35.6 53.4

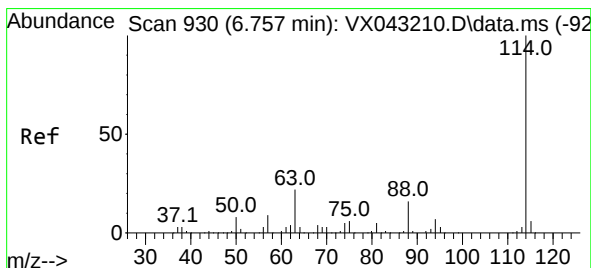
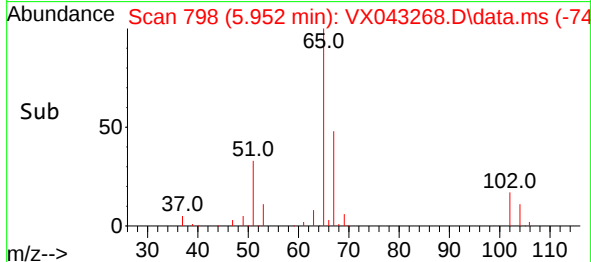
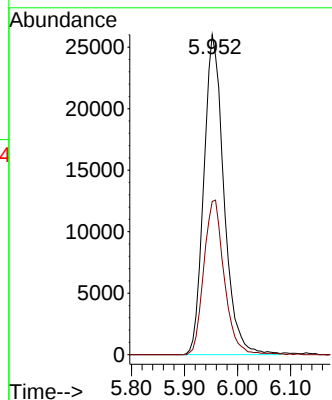
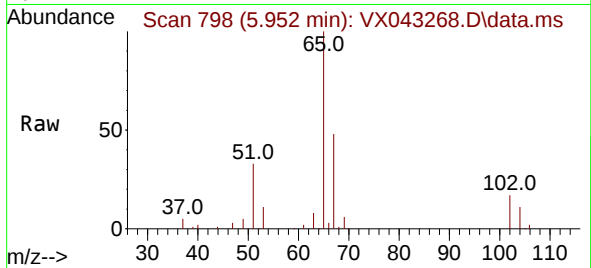




#33
1,2-Dichloroethane-d4
Concen: 53.530 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

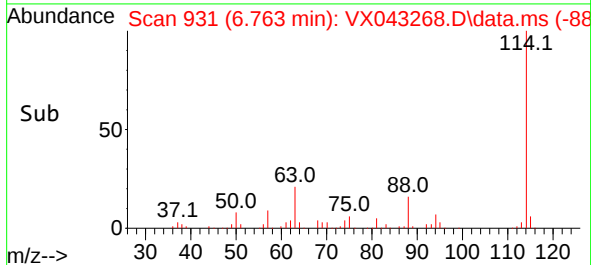
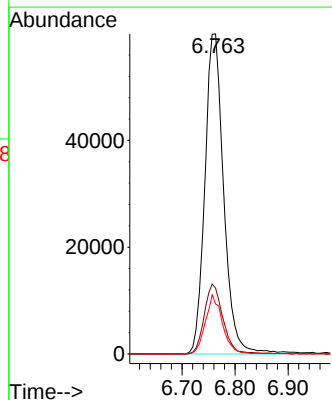
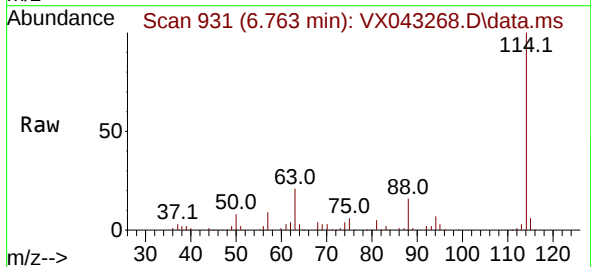
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

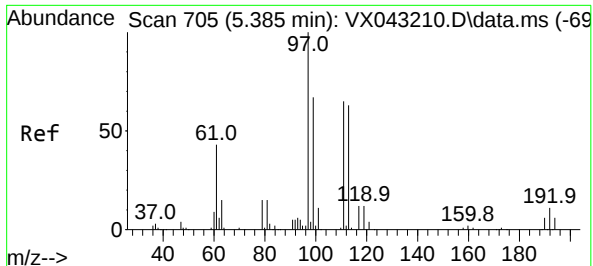
Tgt Ion: 65 Resp: 68607
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 114 Resp: 147686
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.0
88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.991 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX043268.D

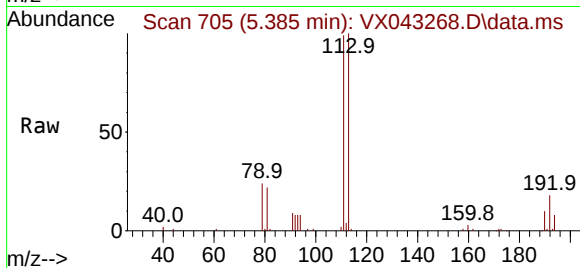
Acq: 03 Oct 2024 17:31

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20240930



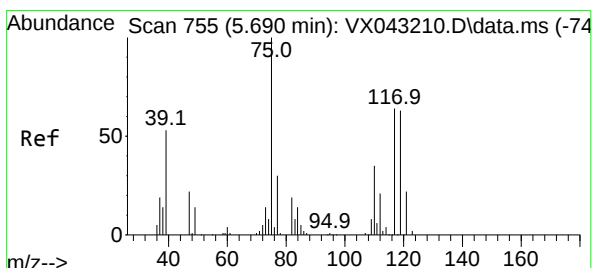
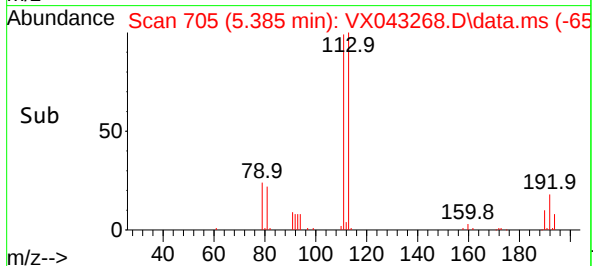
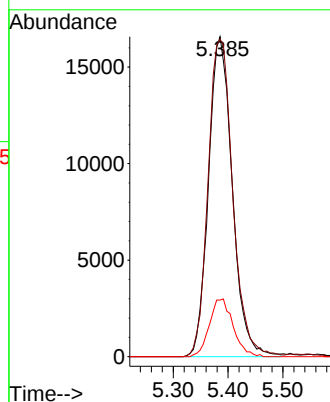
Tgt Ion:113 Resp: 49897

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

192 18.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.245 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043268.D

Acq: 03 Oct 2024 17:31

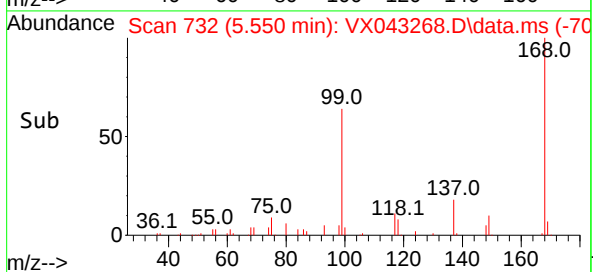
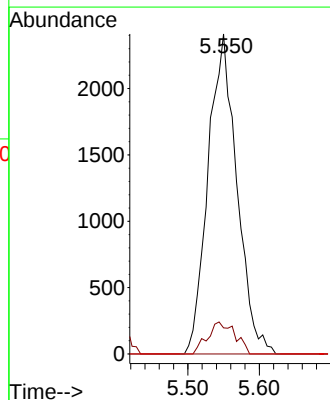
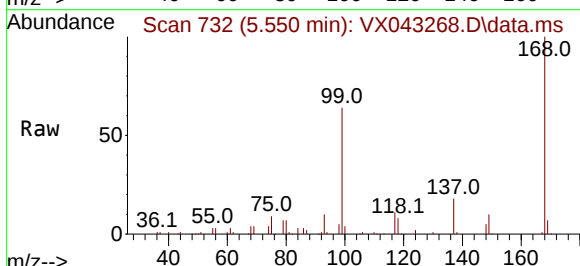
Tgt Ion: 75 Resp: 6749

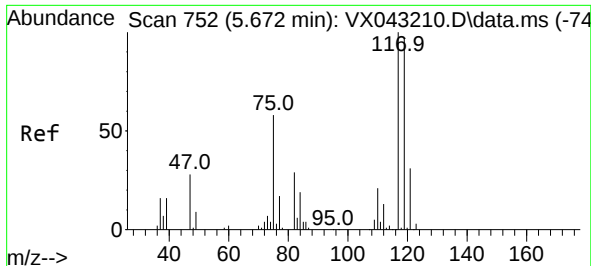
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

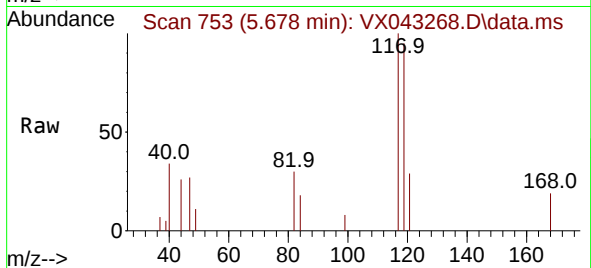
77 0.0 24.9 37.3#



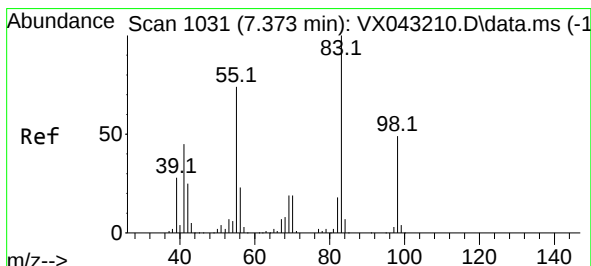
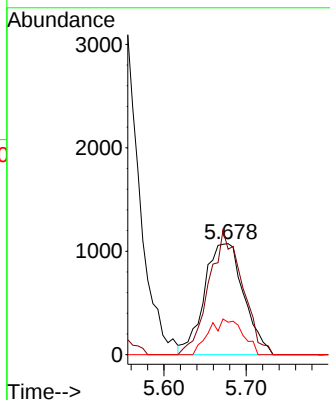
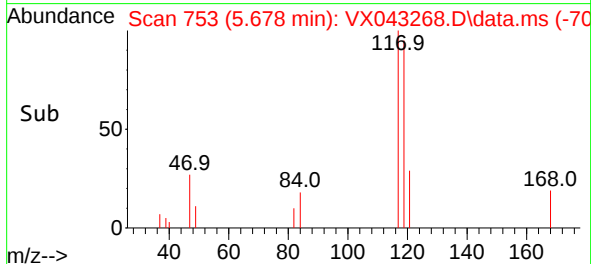


#38
Carbon Tetrachloride
Concen: 2.356 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

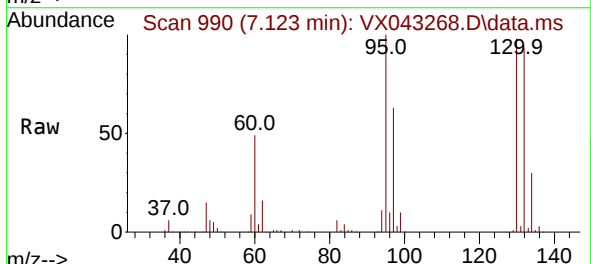
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930



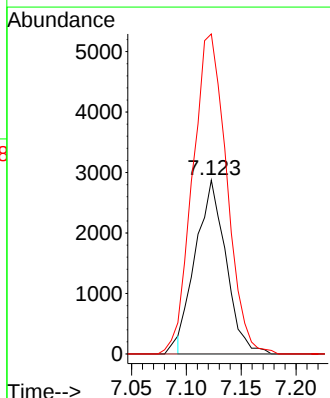
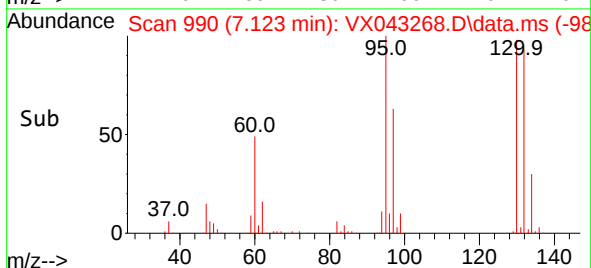
Tgt Ion:117 Resp: 3589
Ion Ratio Lower Upper
117 100
119 95.0 77.7 116.5
121 29.2 24.3 36.5

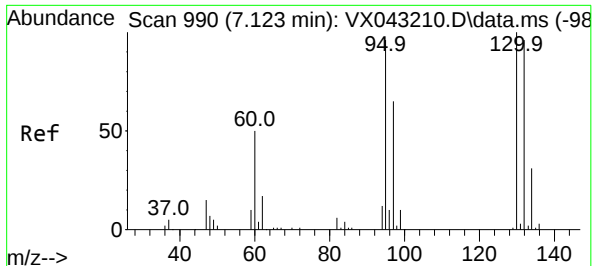


#39
Methylcyclohexane
Concen: 3.413 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31



Tgt Ion: 83 Resp: 5524
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 184.2 39.3 58.9#

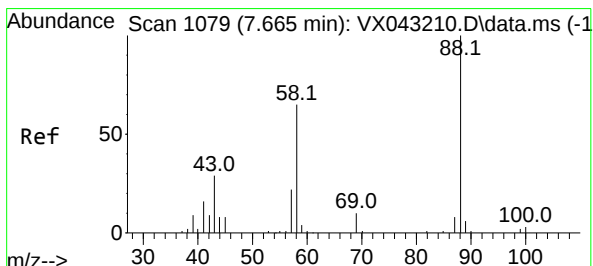
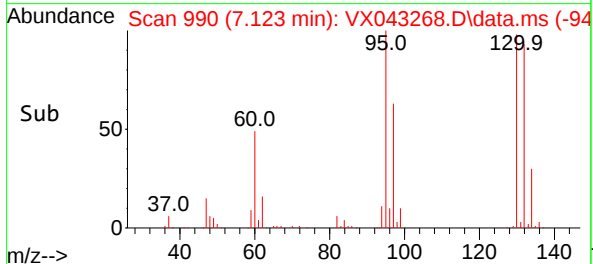
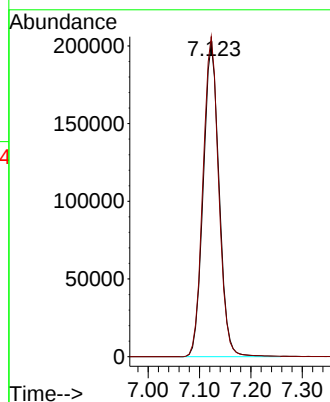
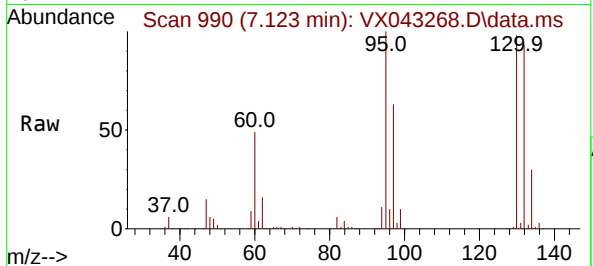




#44
Trichloroethene
Concen: 417.810 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

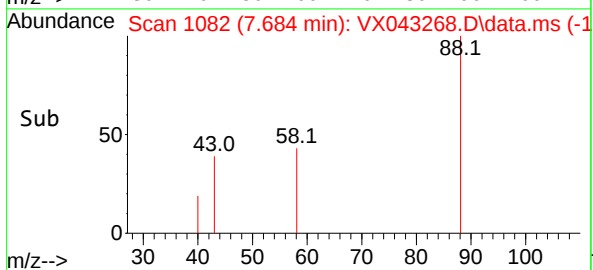
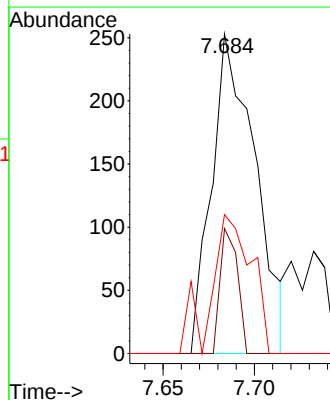
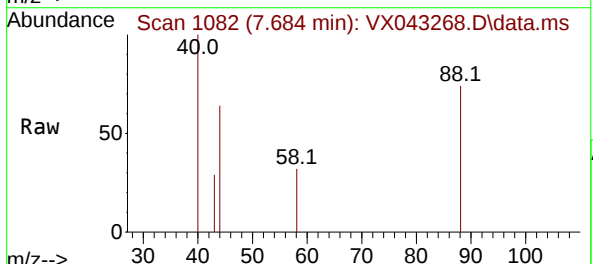
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

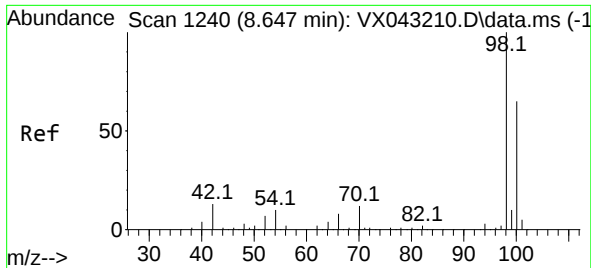
Tgt Ion:130 Resp: 432316
Ion Ratio Lower Upper
130 100
95 102.3 0.0 192.2



#49
1,4-Dioxane
Concen: 17.254 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 88 Resp: 420
Ion Ratio Lower Upper
88 100
43 15.5 29.5 44.3#
58 40.5 55.2 82.8#

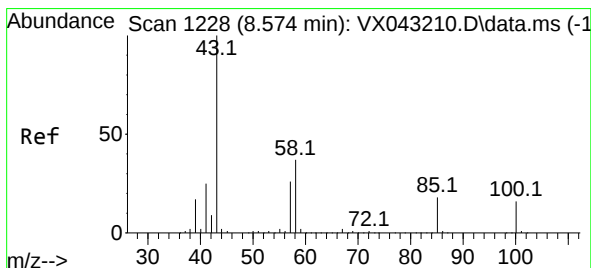
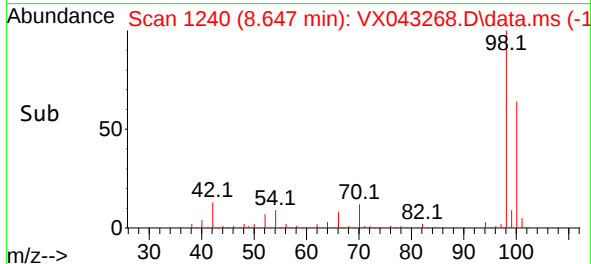
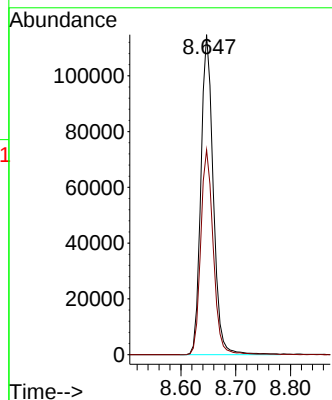
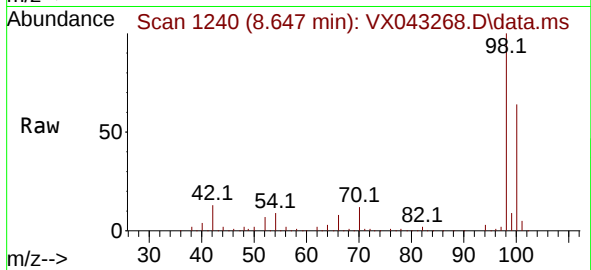




#50
Toluene-d8
Concen: 50.959 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

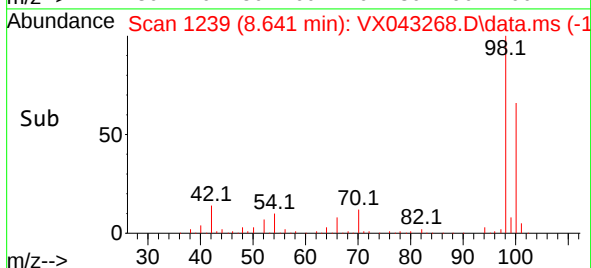
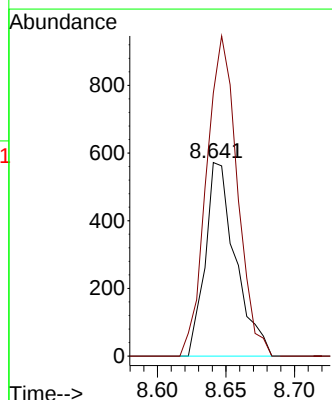
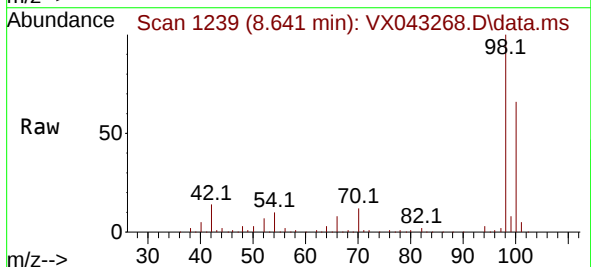
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

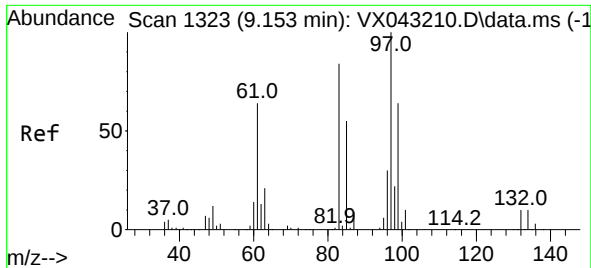
Tgt Ion: 98 Resp: 179865
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 169.7 30.0 45.0#



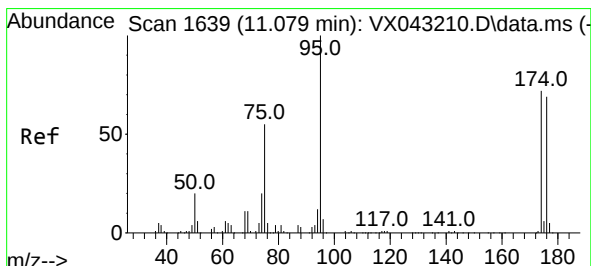
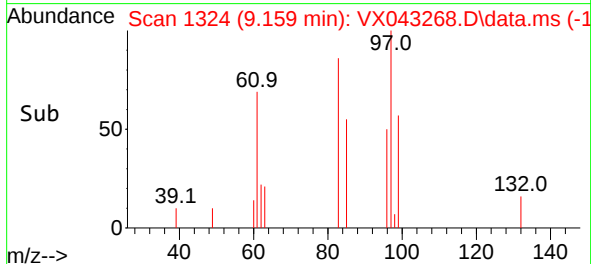
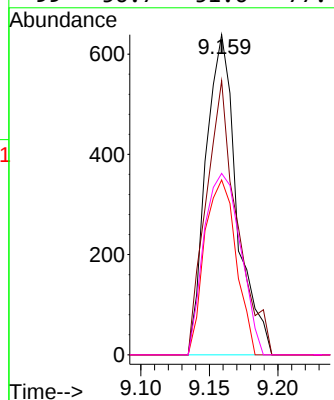
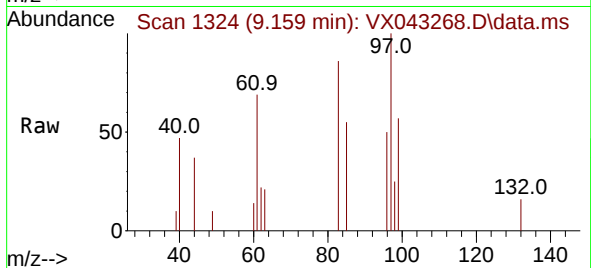


#55
1,1,2-Trichloroethane
Concen: 1.032 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

Tgt Ion: 97 Resp: 1003

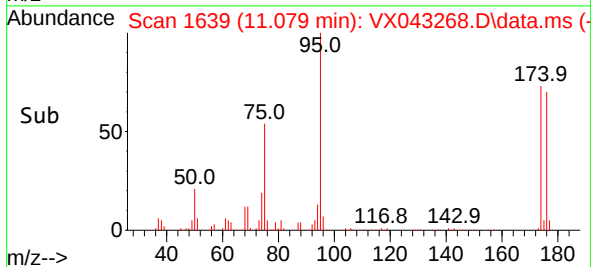
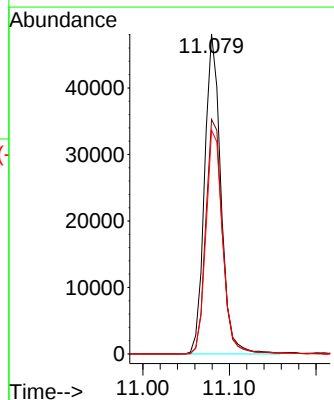
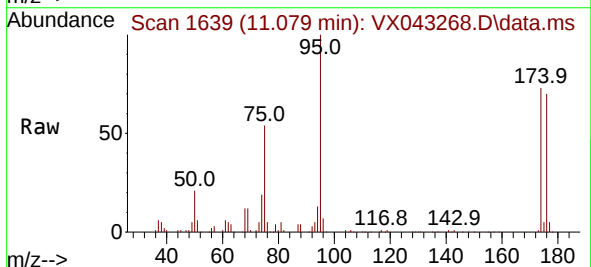
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.9	100.3
85	54.6	43.9	65.9
99	56.7	51.6	77.4

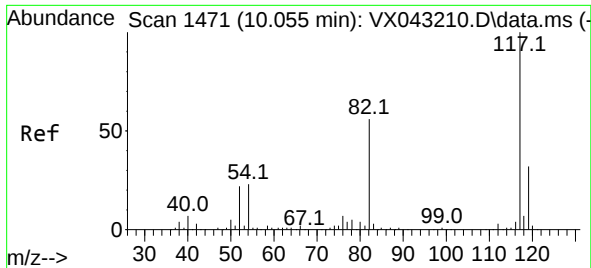


#62
4-Bromofluorobenzene
Concen: 49.129 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 95 Resp: 62997

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.0
176	72.0	0.0	143.0

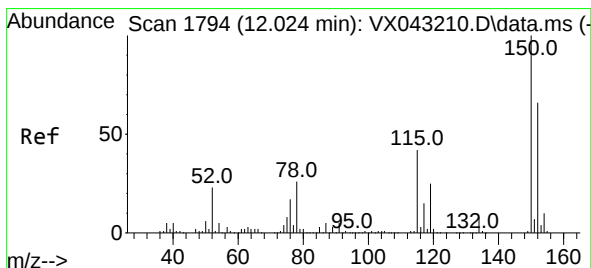
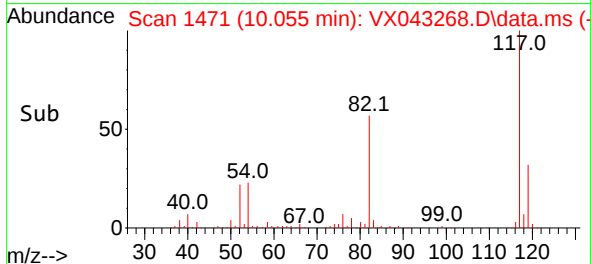
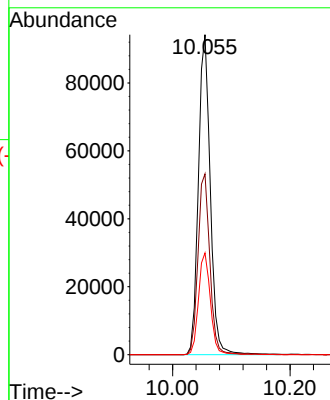
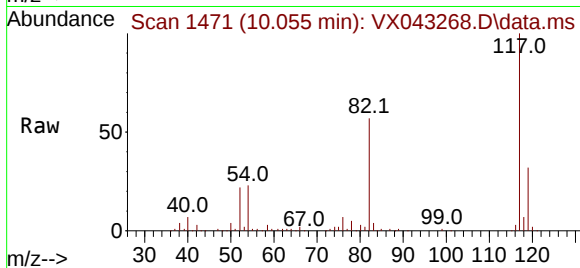




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

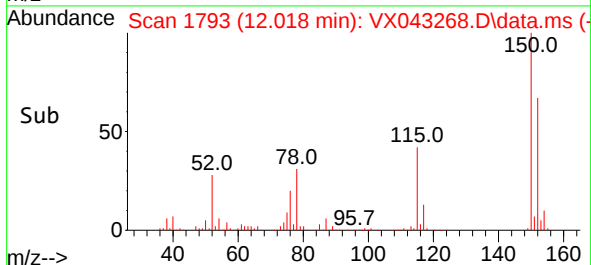
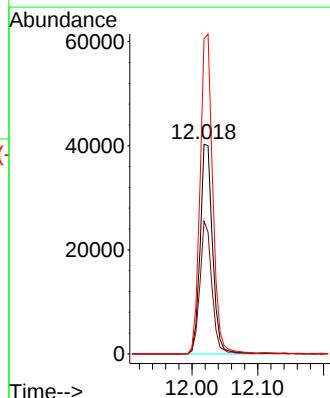
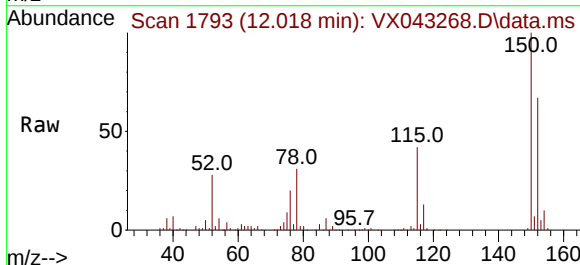
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

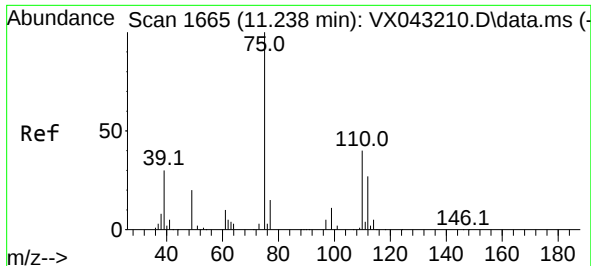
Tgt Ion:117 Resp: 132465
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.6
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion:152 Resp: 53000
Ion Ratio Lower Upper
152 100
115 61.0 44.1 132.3
150 154.9 0.0 347.4

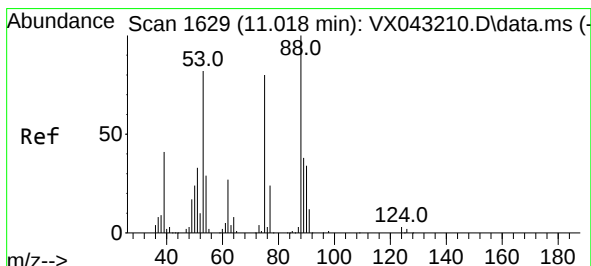
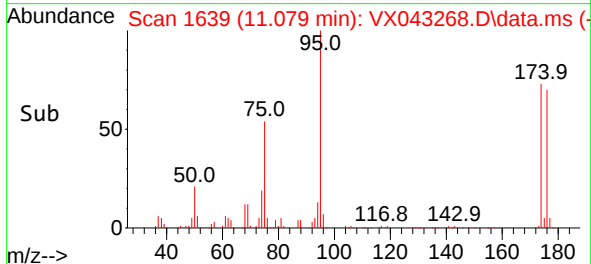
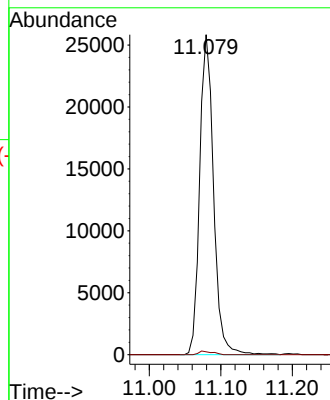
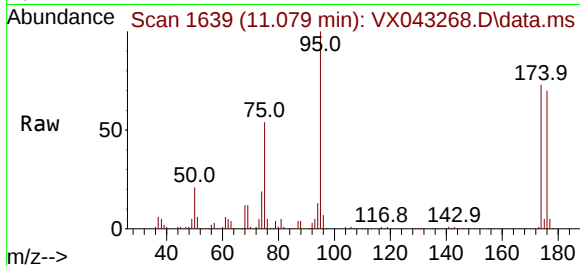




#76
1,2,3-Trichloropropane
Concen: 29.535 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240930

Tgt Ion: 75 Resp: 34721
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.544 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043268.D
Acq: 03 Oct 2024 17:31

Tgt Ion: 75 Resp: 34721
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

