

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045421.D
 Acq On : 24 Mar 2025 17:37
 Operator : JC/MD
 Sample : Q1608-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20250319

Quant Time: Mar 25 01:38:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

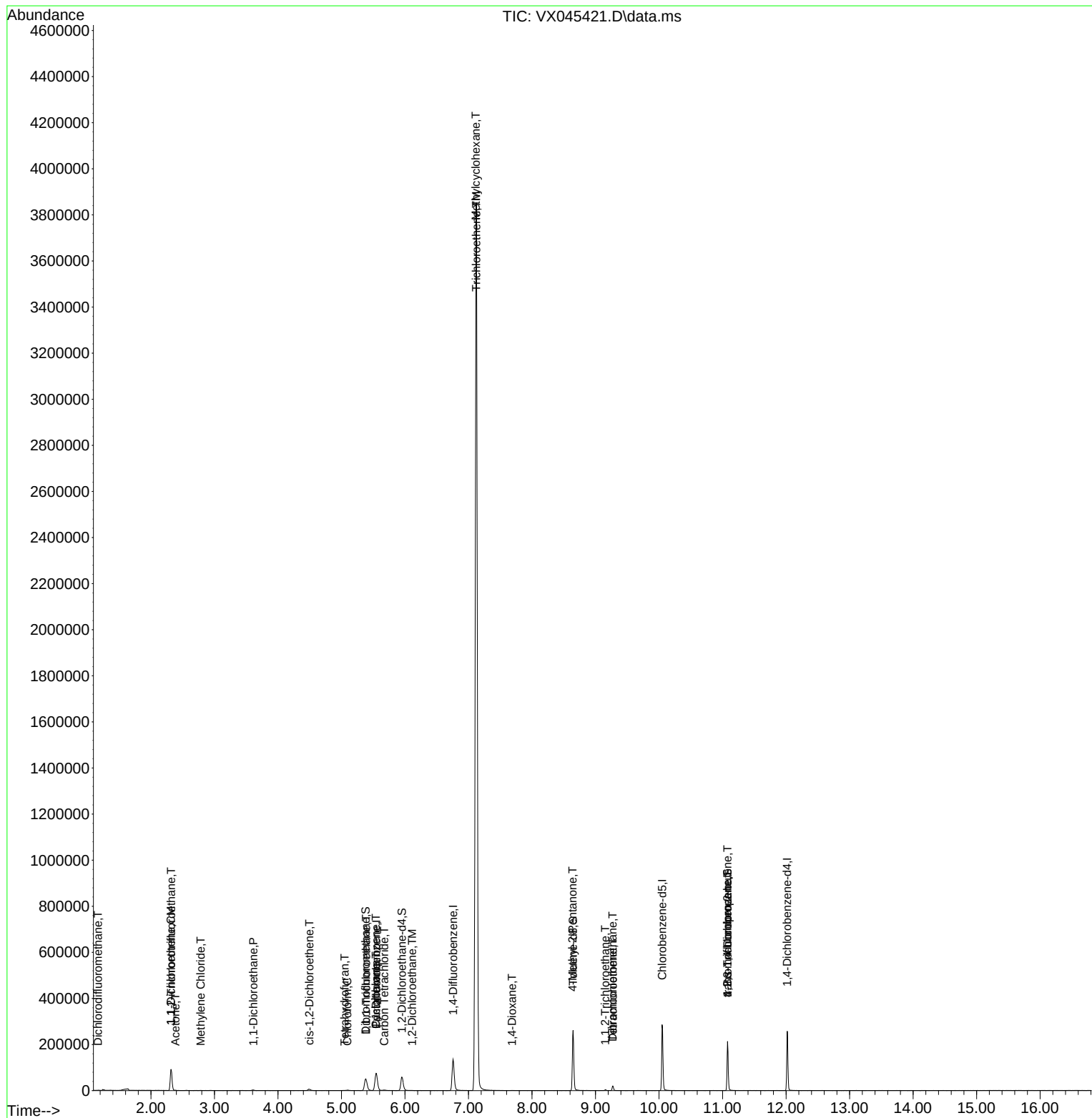
Internal Standards						
1) Pentafluorobenzene	5.550	168	65556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57430	55.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.140%
35) Dibromofluoromethane	5.379	113	43681	50.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.640%
50) Toluene-d8	8.647	98	150519	47.829	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.660%
62) 4-Bromofluorobenzene	11.079	95	54070	51.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	313	0.379	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.318	101	28556	37.479	ug/l	98
12) 1,1-Dichloroethene	2.312	96	8700	10.800	ug/l	99
16) Acetone	2.386	43	886	1.831	ug/l #	76
20) Methylene Chloride	2.782	84	232	0.242	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	3212	1.965	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	3691	3.757	ug/l	95
29) Tetrahydrofuran	5.050	42	345	0.705	ug/l #	53
30) Chloroform	5.092	83	2188	1.347	ug/l #	64
31) Cyclohexane	5.543	56	2012	1.418	ug/l #	20
32) 1,1,1-Trichloroethane	5.385	97	508	0.387	ug/l #	50
36) 1,1-Dichloropropene	5.543	75	6566	5.515	ug/l #	51
38) Carbon Tetrachloride	5.672	117	1721	1.424	ug/l #	67
39) Methylcyclohexane	7.116	83	19551	13.706	ug/l #	1
42) 1,2-Dichloroethane	6.110	62	529	0.391	ug/l #	75
44) Trichloroethene	7.122	130	1367327	1549.033	ug/l	97
49) 1,4-Dioxane	7.683	88	272	11.331	ug/l #	73
51) 4-Methyl-2-Pentanone	8.640	43	858	0.563	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	929	1.023	ug/l #	92
60) Dibromochloromethane	9.268	129	3585	3.776	ug/l #	11
64) Tetrachloroethene	9.274	164	3749	4.896	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	31206	28.169	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31206	96.399	ug/l #	6

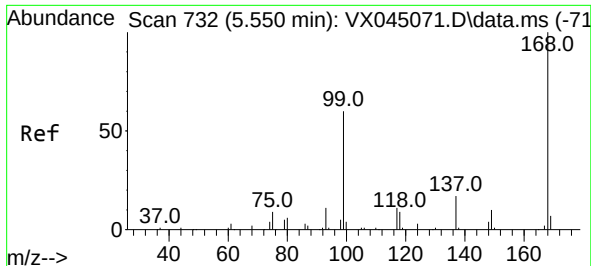
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

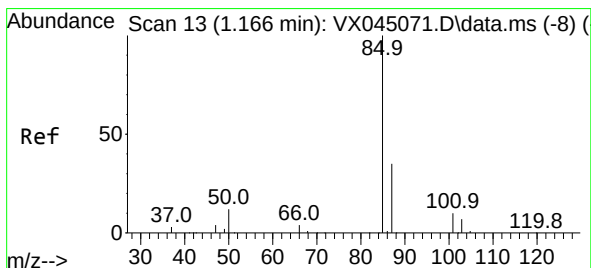
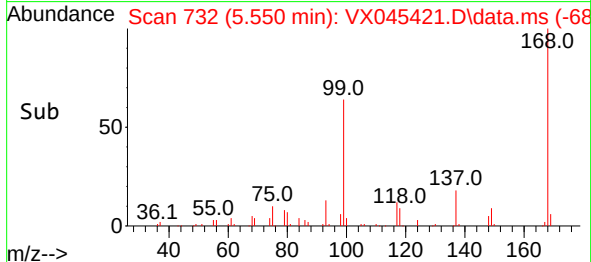
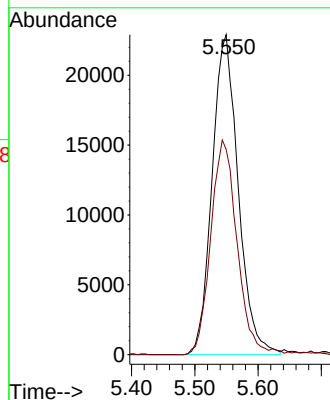
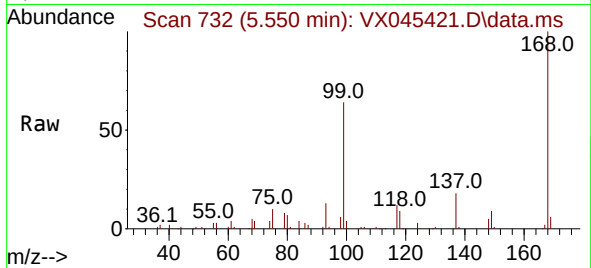




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

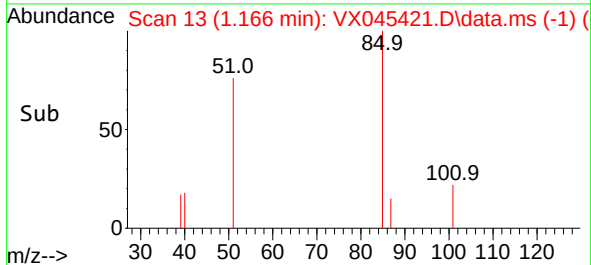
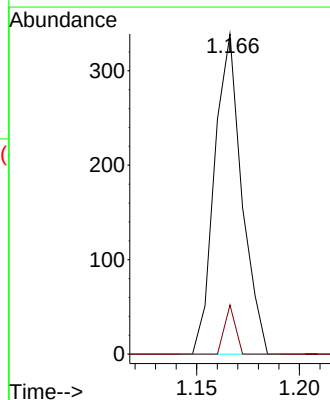
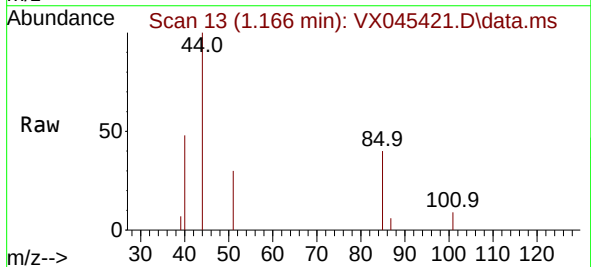
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

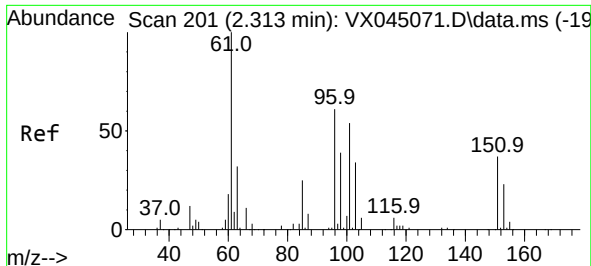
Tgt Ion:168 Resp: 65556
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.379 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 85 Resp: 313
Ion Ratio Lower Upper
85 100
87 15.3 17.4 52.3#

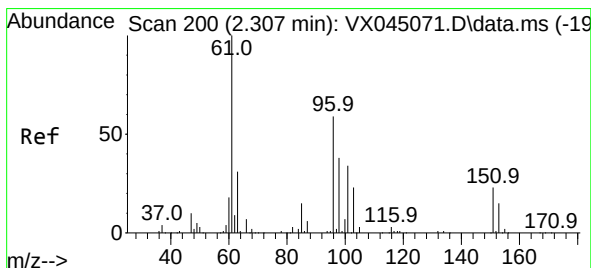
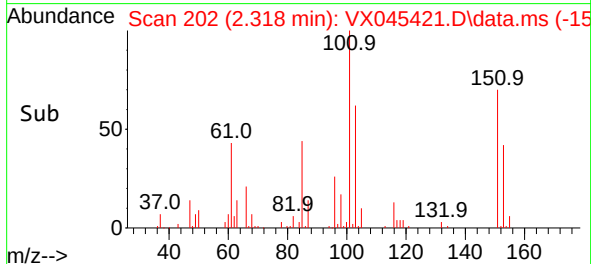
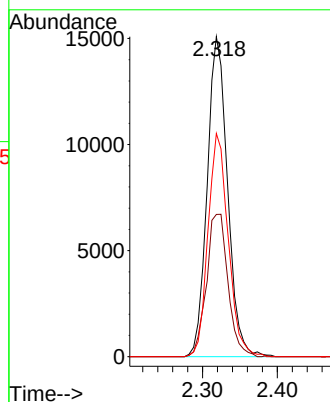
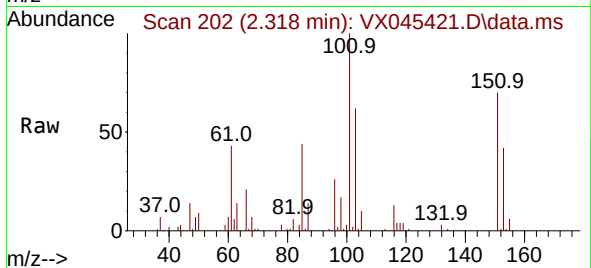




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 37.479 ug/l
 RT: 2.318 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

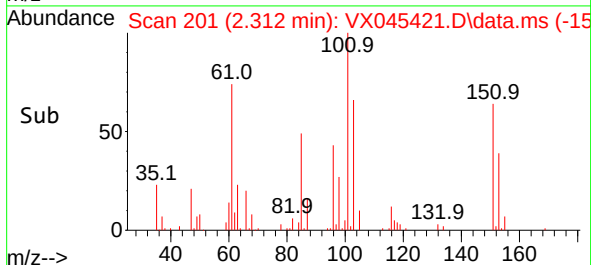
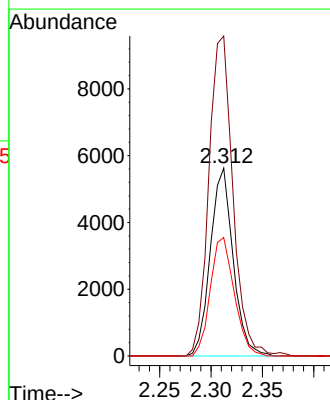
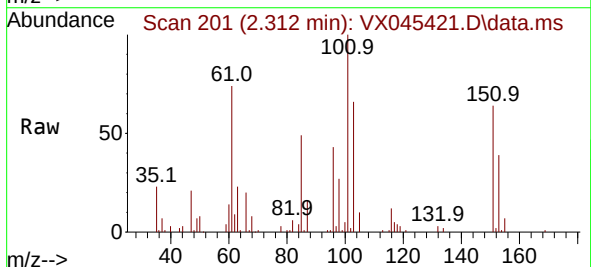
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20250319

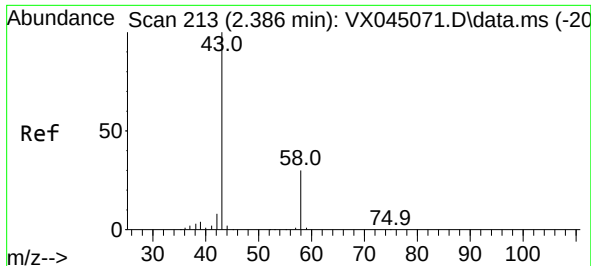
Tgt Ion:101 Resp: 28556
 Ion Ratio Lower Upper
 101 100
 85 47.0 36.2 54.4
 151 69.2 56.4 84.6



#12
 1,1-Dichloroethene
 Concen: 10.800 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

Tgt Ion: 96 Resp: 8700
 Ion Ratio Lower Upper
 96 100
 61 170.4 134.6 202.0
 98 63.0 51.0 76.6





#16

Acetone

Concen: 1.831 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

Instrument :

MSVOA_X

ClientSampleId :

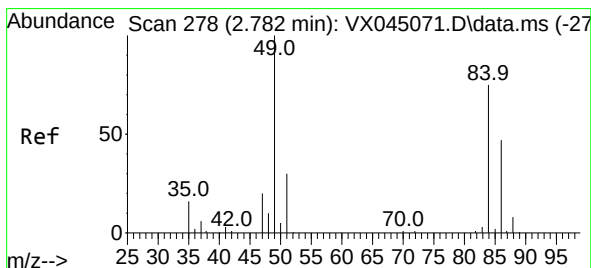
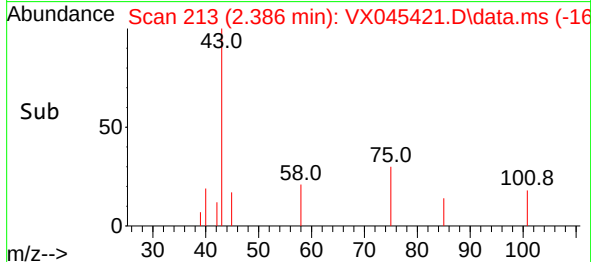
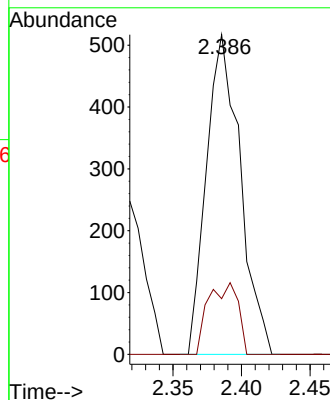
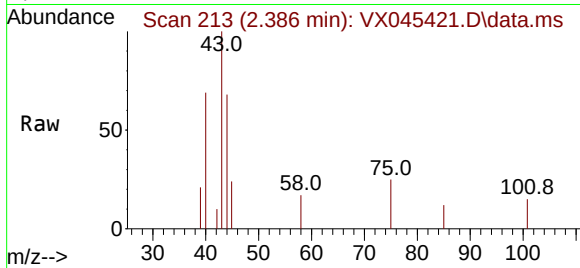
TT101D2-20250319

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

58 17.4 24.2 36.4#



#20

Methylene Chloride

Concen: 0.242 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

Tgt Ion: 84 Resp: 232

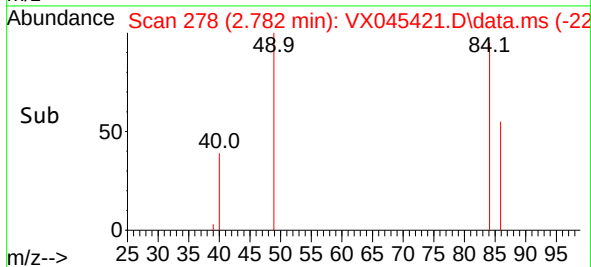
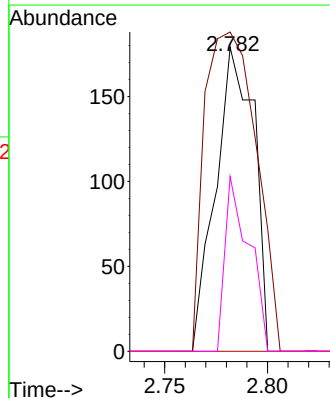
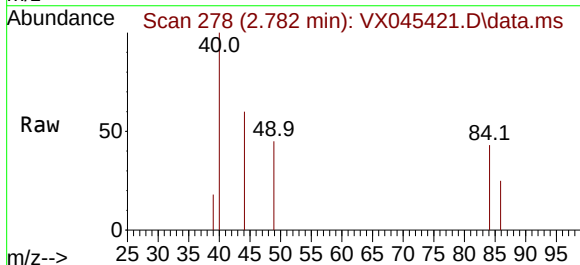
Ion Ratio Lower Upper

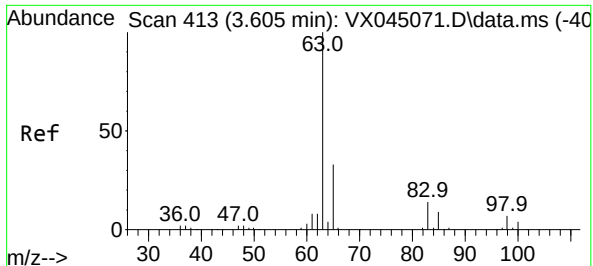
84 100

49 105.0 106.5 159.7#

51 0.0 32.1 48.1#

86 57.5 50.0 75.0

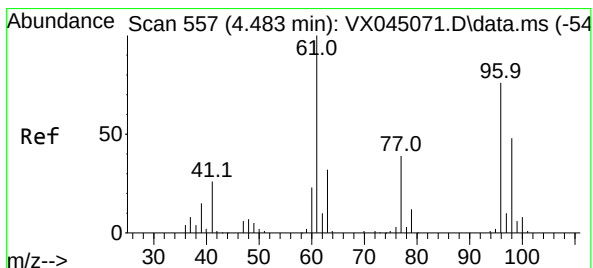
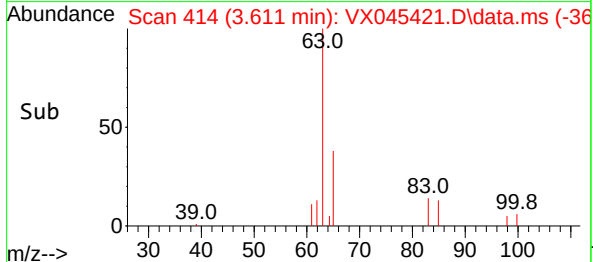
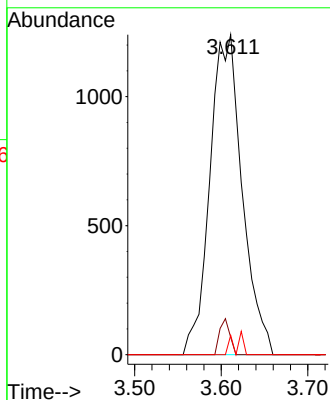
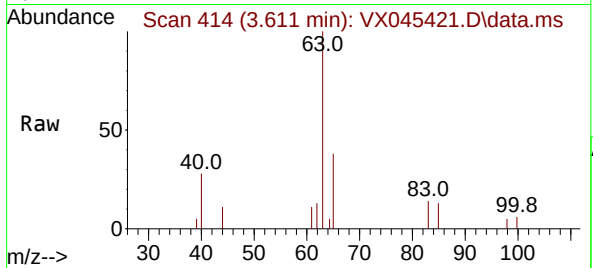




#24
 1,1-Dichloroethane
 Concen: 1.965 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

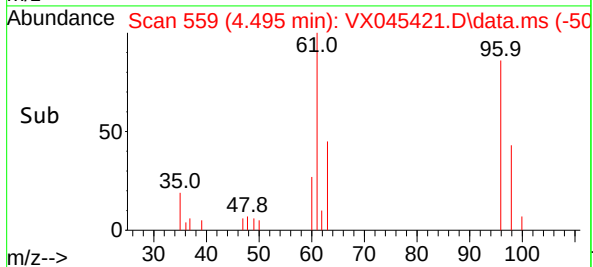
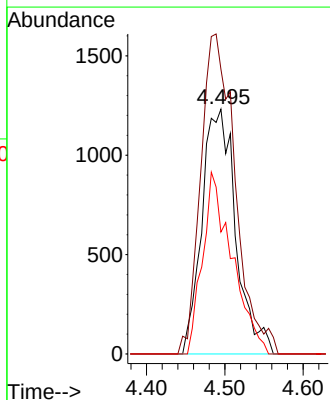
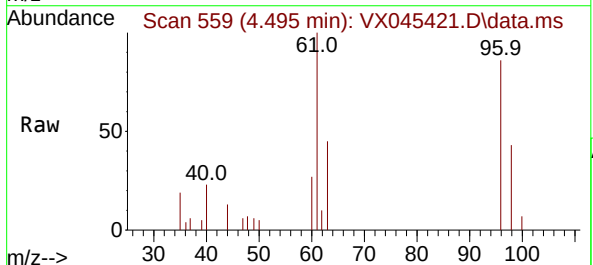
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20250319

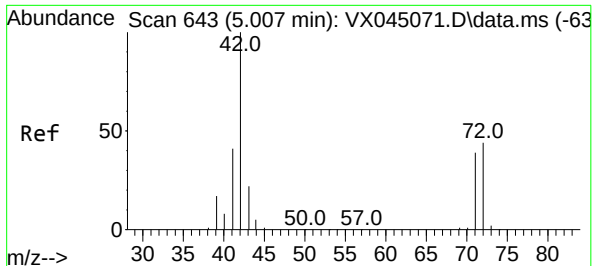
Tgt Ion: 63 Resp: 3212
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.4 10.2
 100 6.0 2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 3.757 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

Tgt Ion: 96 Resp: 3691
 Ion Ratio Lower Upper
 96 100
 61 133.5 0.0 283.2
 98 64.9 0.0 128.0





#29

Tetrahydrofuran

Concen: 0.705 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.042 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20250319

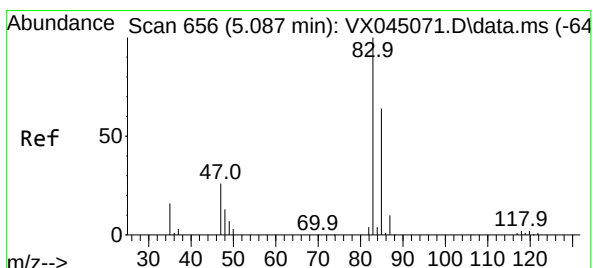
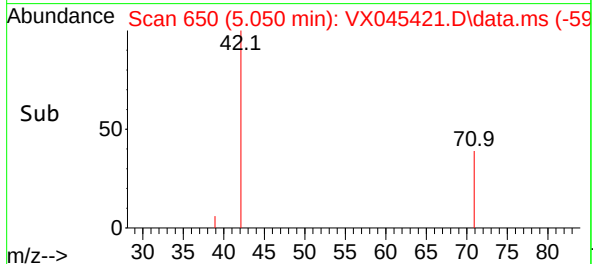
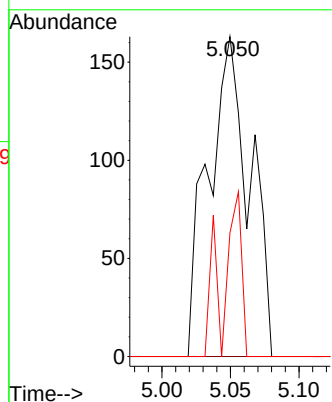
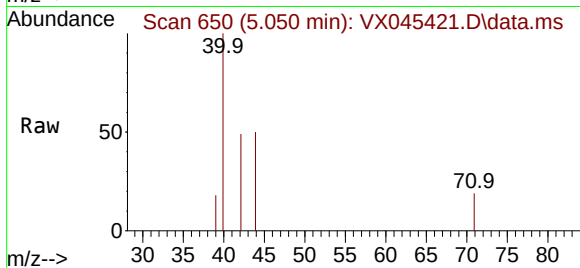
Tgt Ion: 42 Resp: 345

Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 23.2 31.4 47.0#



#30

Chloroform

Concen: 1.347 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045421.D

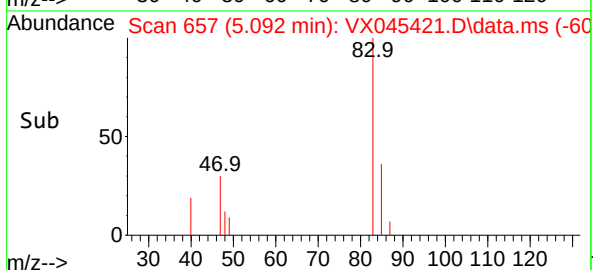
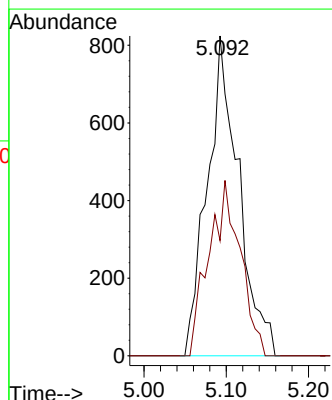
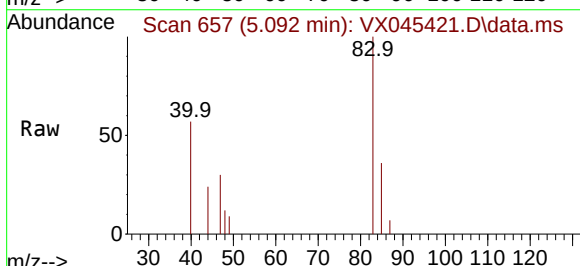
Acq: 24 Mar 2025 17:37

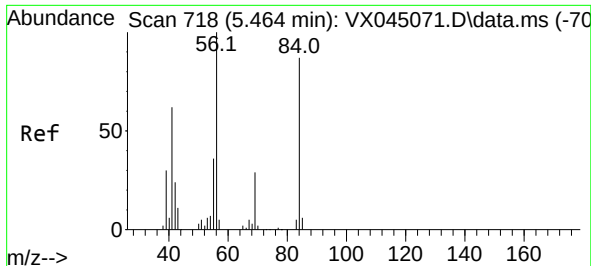
Tgt Ion: 83 Resp: 2188

Ion Ratio Lower Upper

83 100

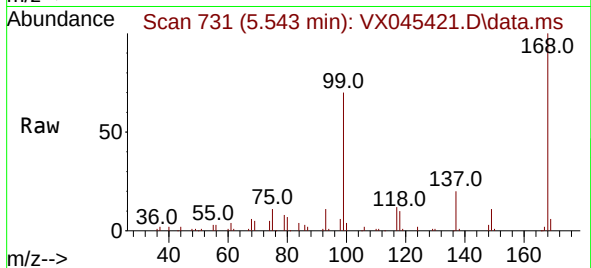
85 36.0 51.4 77.2#





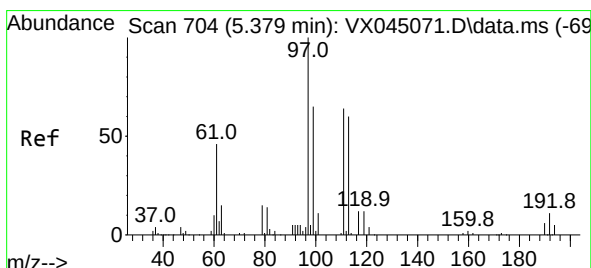
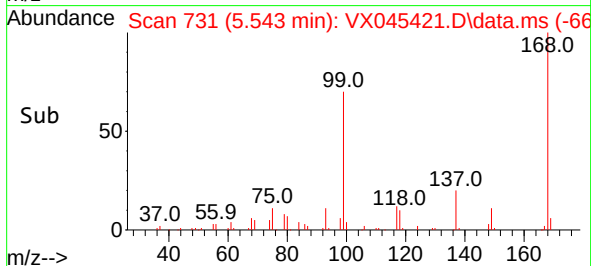
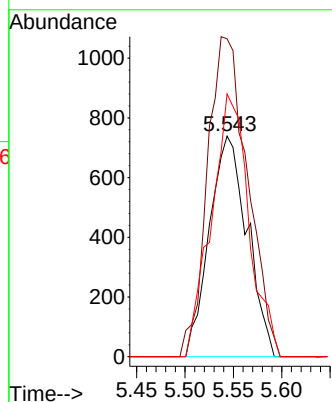
#31
Cyclohexane
Concen: 1.418 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319



Tgt Ion: 56 Resp: 2012

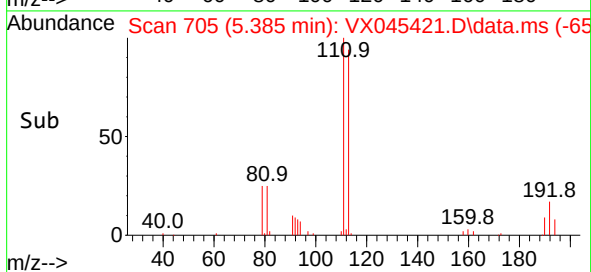
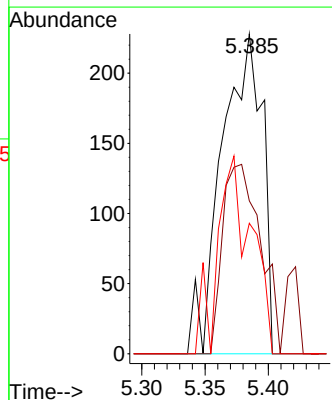
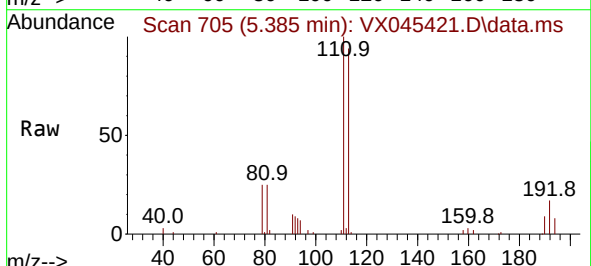
Ion	Ratio	Lower	Upper
56	100		
69	144.1	23.4	35.2#
84	119.1	69.4	104.2#

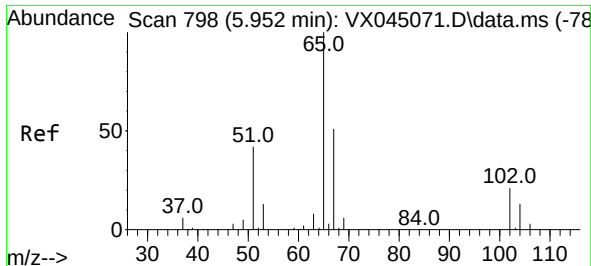


#32
1,1,1-Trichloroethane
Concen: 0.387 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 97 Resp: 508

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	52.0	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 55.075 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

Instrument :

MSVOA_X

ClientSampleId :

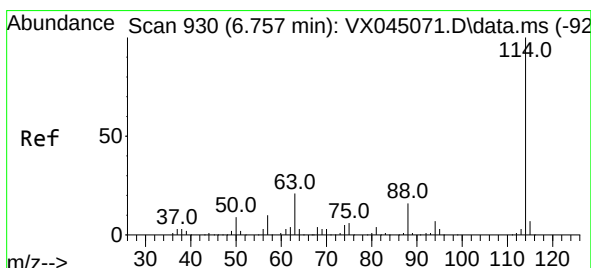
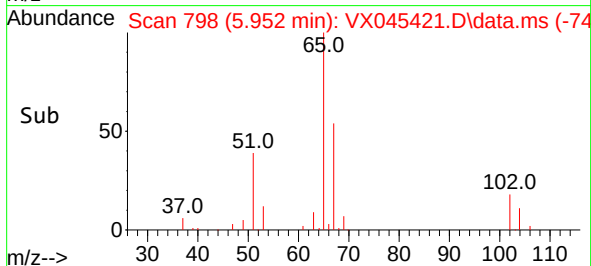
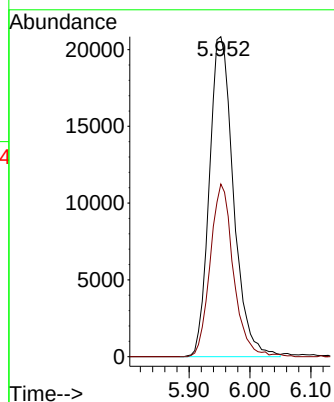
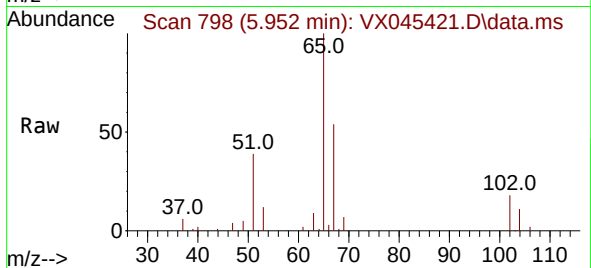
TT101D2-20250319

Tgt Ion: 65 Resp: 57430

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

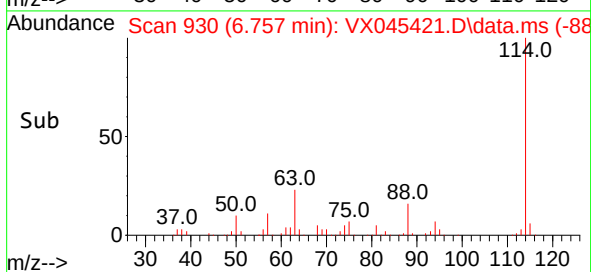
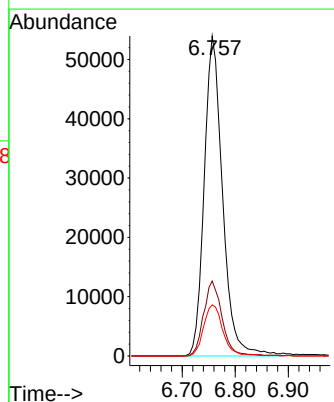
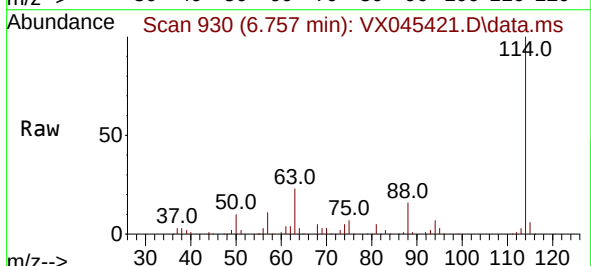
Tgt Ion: 114 Resp: 129819

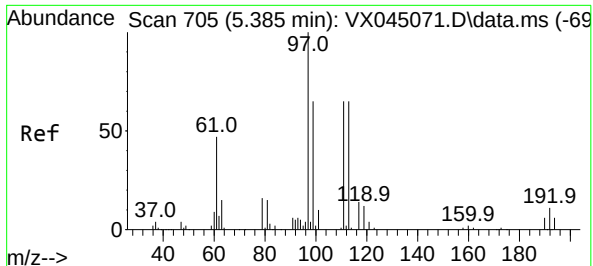
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.320 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045421.D

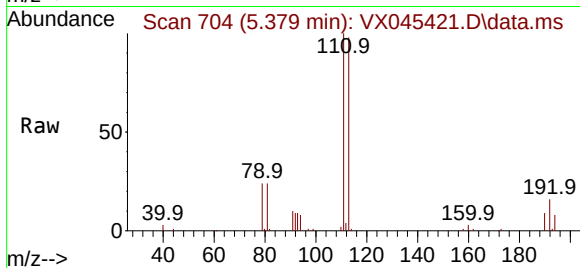
Acq: 24 Mar 2025 17:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20250319



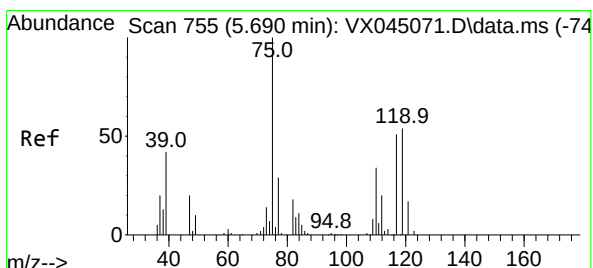
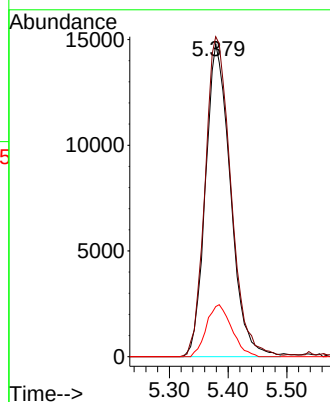
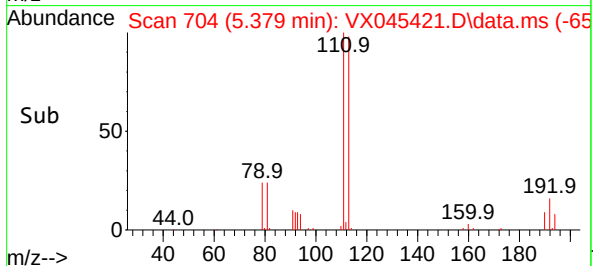
Tgt Ion:113 Resp: 43681

Ion Ratio Lower Upper

113 100

111 105.9 81.8 122.6

192 16.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.515 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

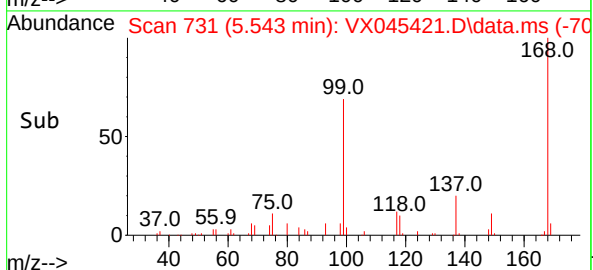
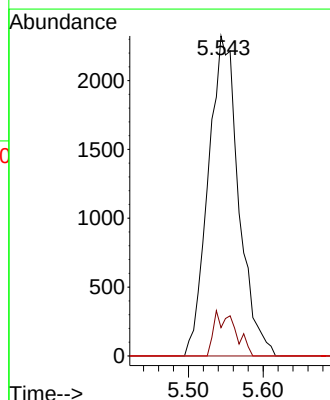
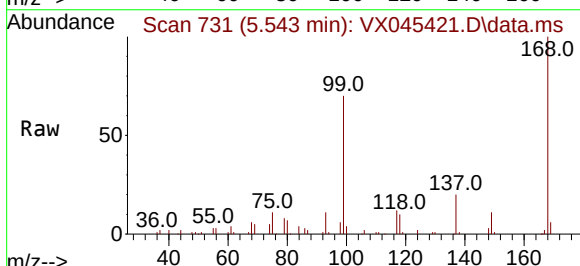
Tgt Ion: 75 Resp: 6566

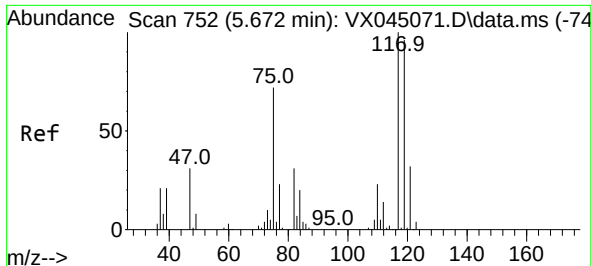
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

77 0.0 24.5 36.7#

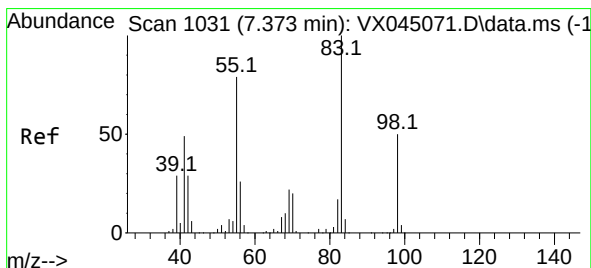
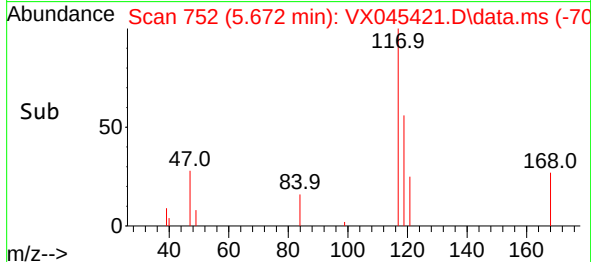
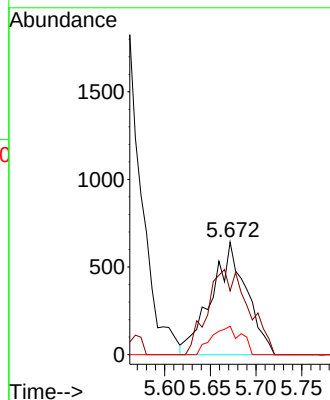
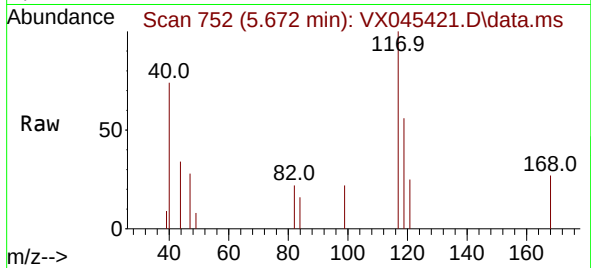




#38
Carbon Tetrachloride
Concen: 1.424 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

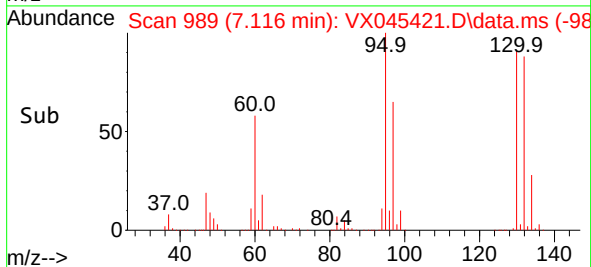
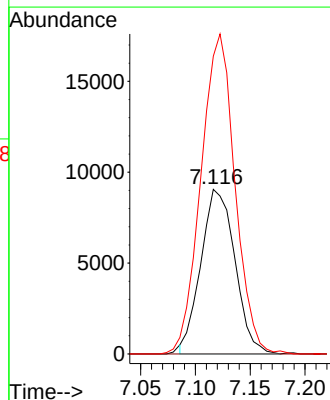
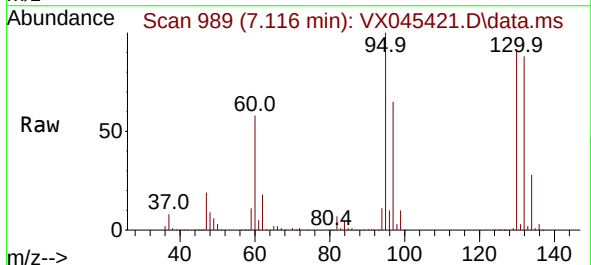
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

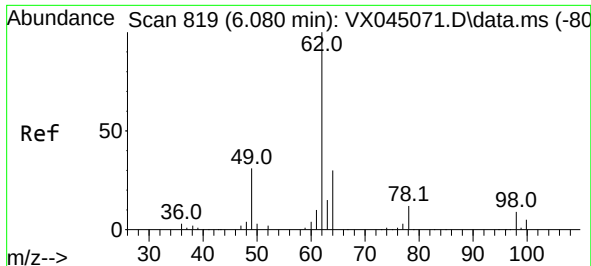
Tgt Ion:117 Resp: 1721
Ion Ratio Lower Upper
117 100
119 56.5 76.7 115.1#
121 25.2 25.5 38.3#



#39
Methylcyclohexane
Concen: 13.706 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 83 Resp: 19551
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 179.0 39.7 59.5#





#42

1,2-Dichloroethane

Concen: 0.391 ug/l

RT: 6.110 min Scan# 819

Delta R.T. 0.030 min

Lab File: VX045421.D

Acq: 24 Mar 2025 17:37

Instrument :

MSVOA_X

ClientSampleId :

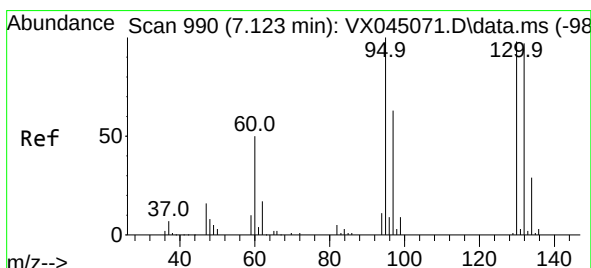
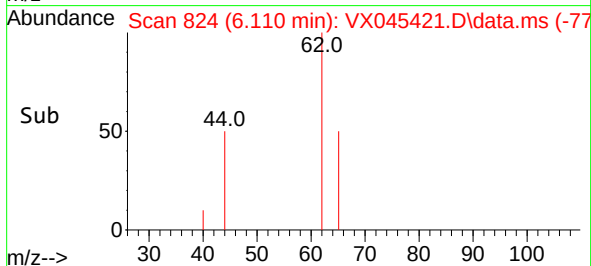
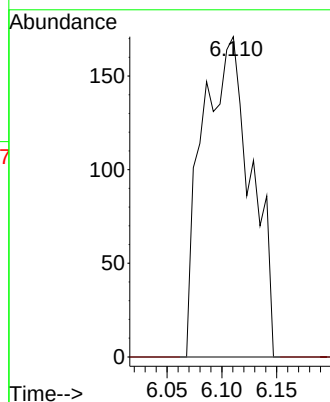
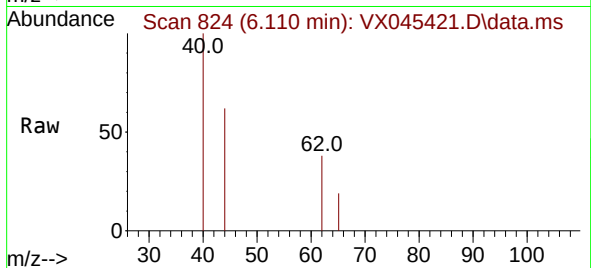
TT101D2-20250319

Tgt Ion: 62 Resp: 529

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 1549.033 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045421.D

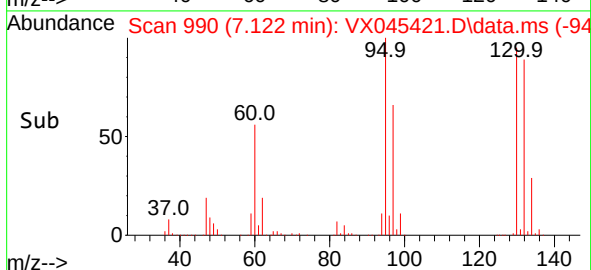
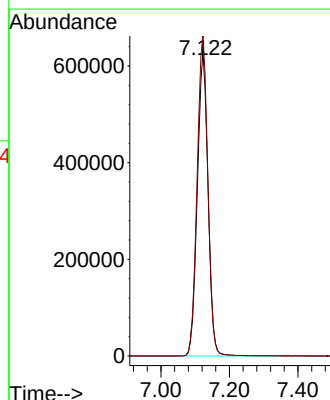
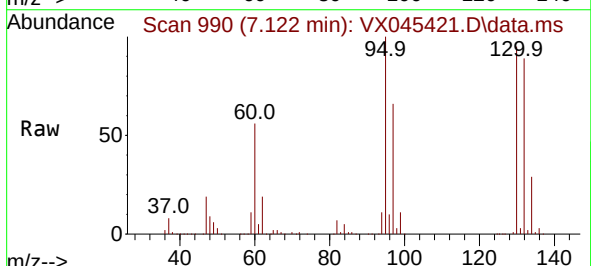
Acq: 24 Mar 2025 17:37

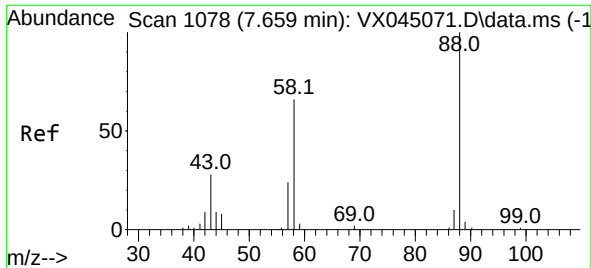
Tgt Ion:130 Resp: 1367327

Ion Ratio Lower Upper

130 100

95 105.2 0.0 205.0

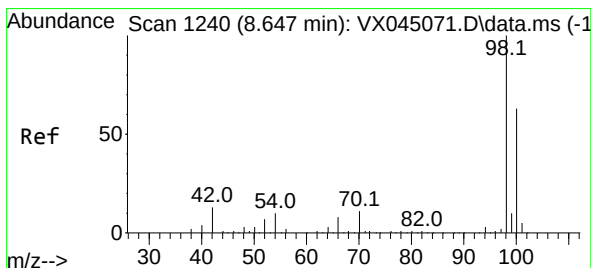
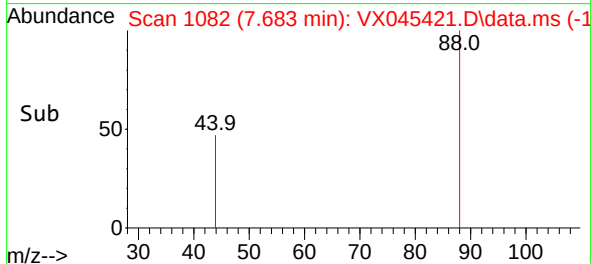
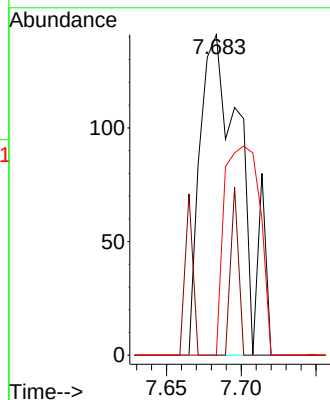
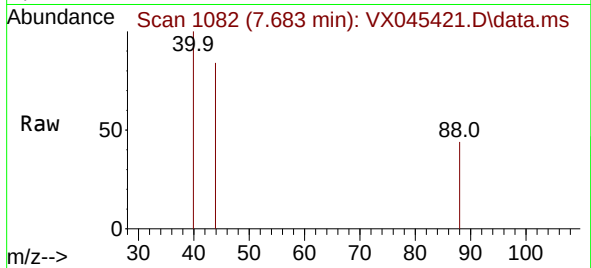




#49
1,4-Dioxane
Concen: 11.331 ug/l
RT: 7.683 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

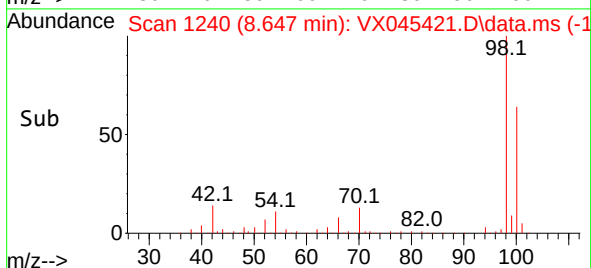
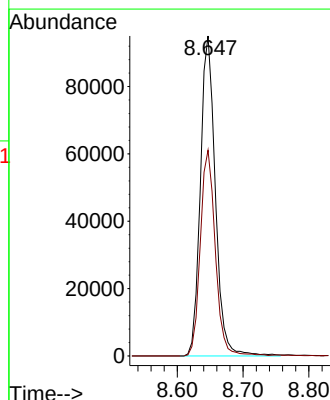
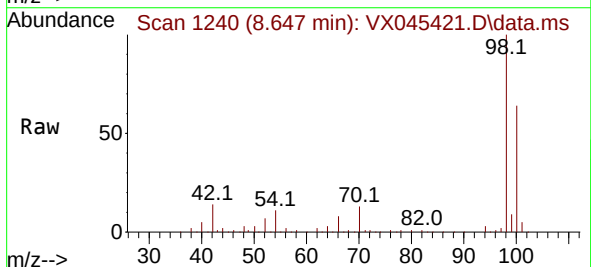
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

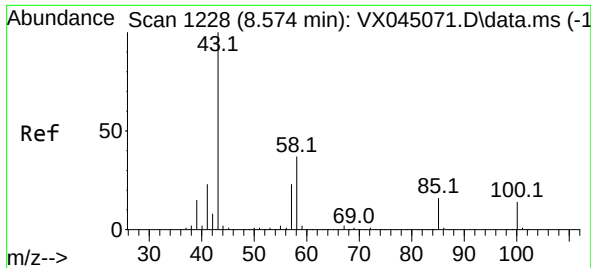
Tgt Ion: 88 Resp: 272
Ion Ratio Lower Upper
88 100
43 9.9 28.7 43.1#
58 55.5 55.8 83.8#



#50
Toluene-d8
Concen: 47.829 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 98 Resp: 150519
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

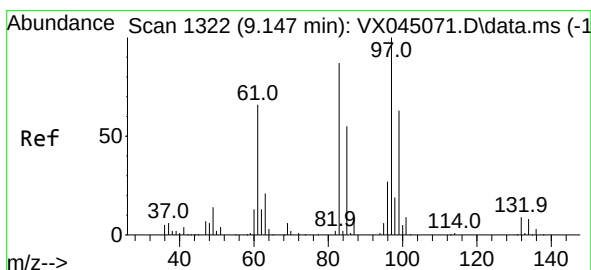
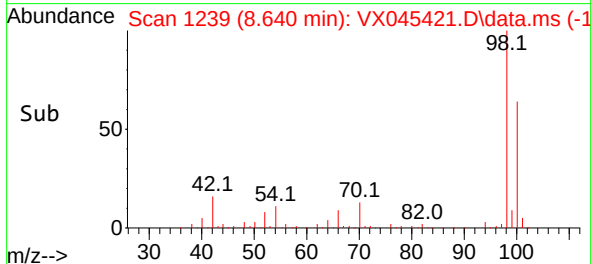
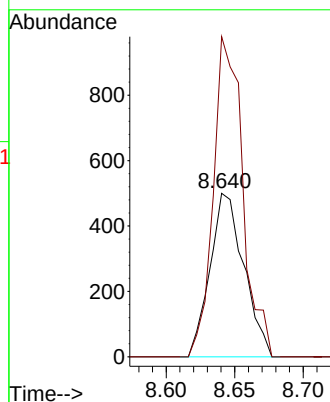
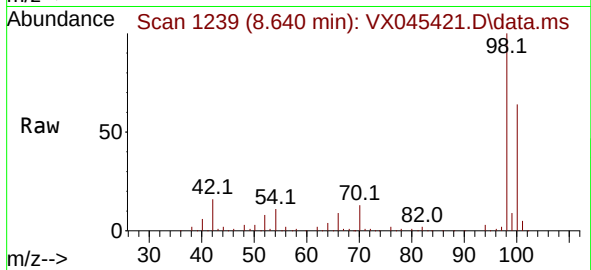




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.640 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

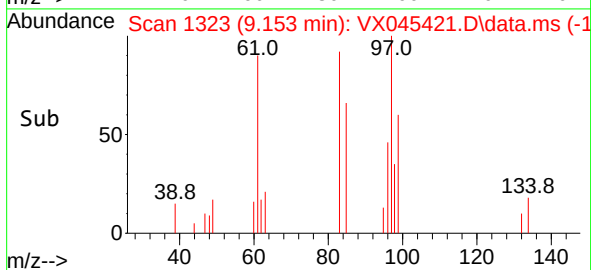
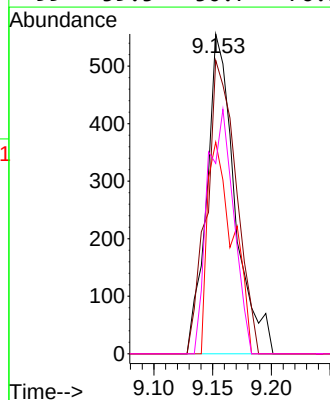
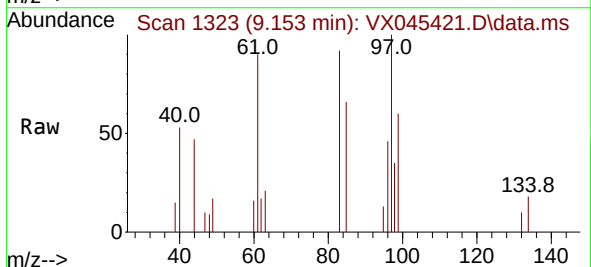
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

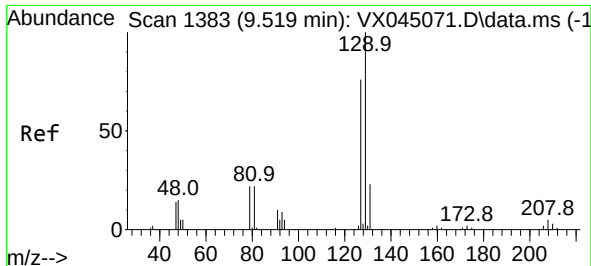
Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
58 170.0 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 1.023 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 97 Resp: 929
Ion Ratio Lower Upper
97 100
83 91.7 69.4 104.2
85 66.2 44.1 66.1#
99 59.5 50.7 76.1

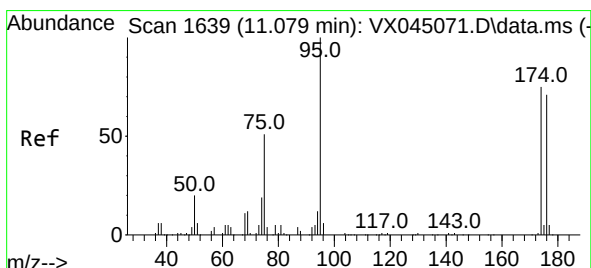
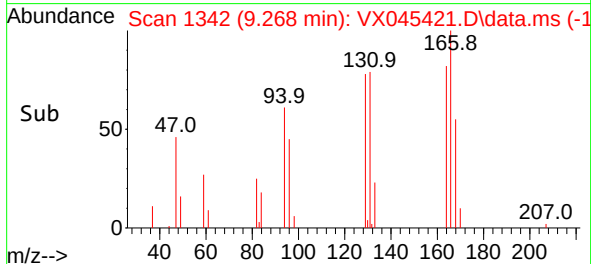
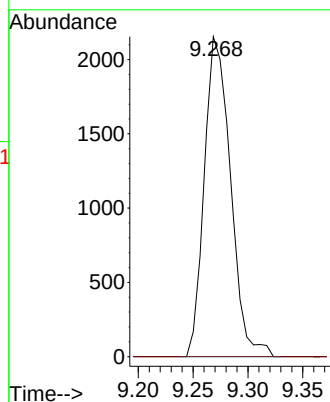
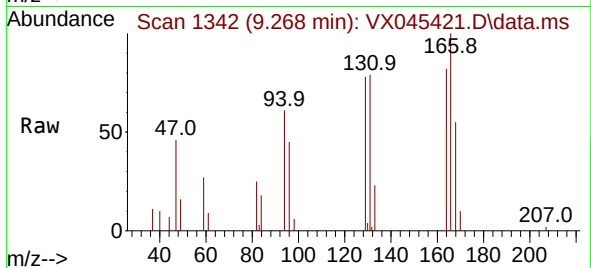




#60
Dibromochloromethane
Concen: 3.776 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

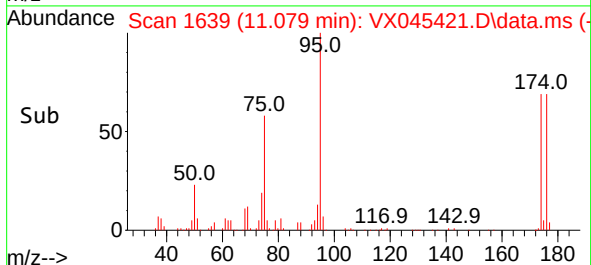
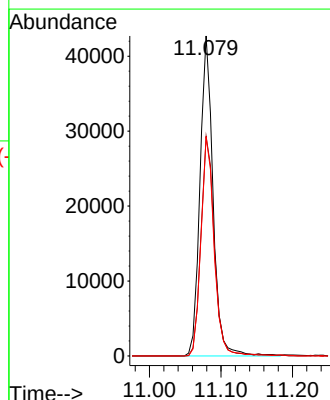
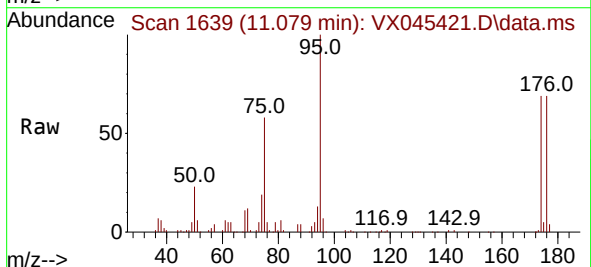
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

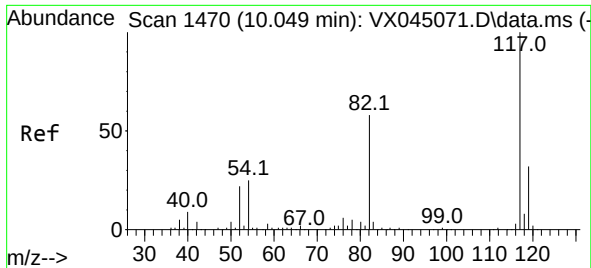
Tgt Ion:129 Resp: 3585
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 51.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 95 Resp: 54070
Ion Ratio Lower Upper
95 100
174 70.5 0.0 148.2
176 69.1 0.0 141.4

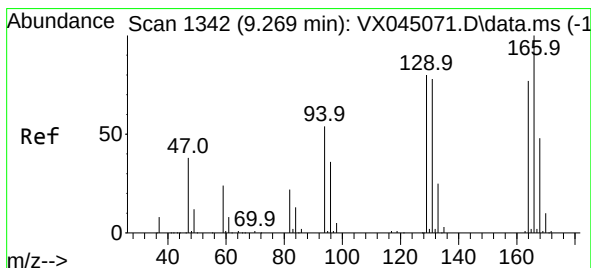
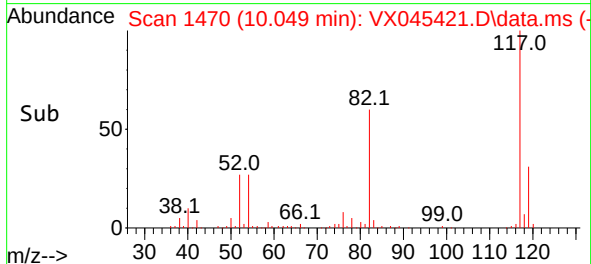
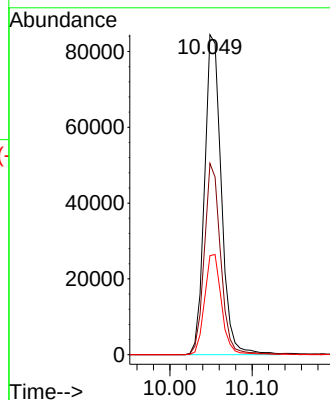
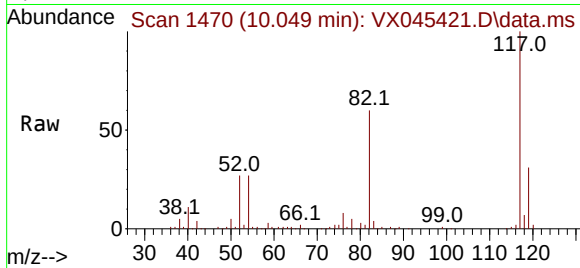




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

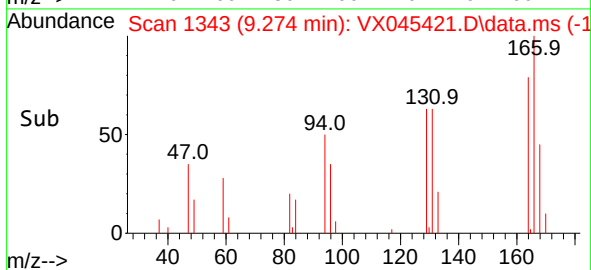
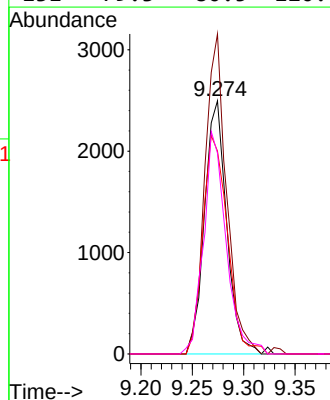
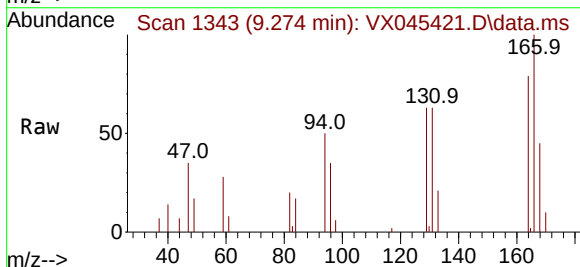
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

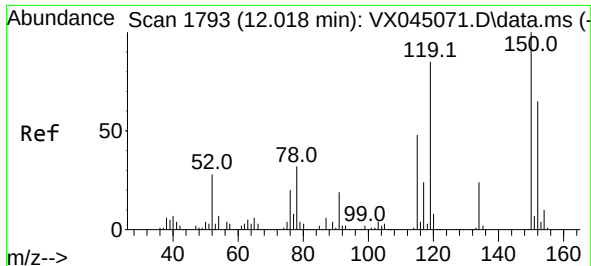
Tgt Ion:117 Resp: 119568
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 31.0 25.7 38.5



#64
Tetrachloroethene
Concen: 4.896 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:164 Resp: 3749
Ion Ratio Lower Upper
164 100
166 126.4 103.6 155.4
129 80.1 82.7 124.1#
131 79.3 80.5 120.7#

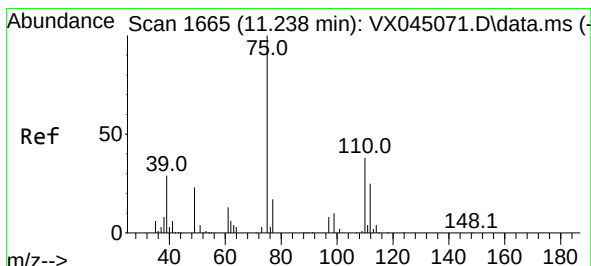
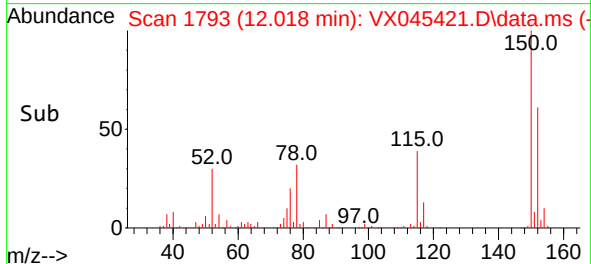
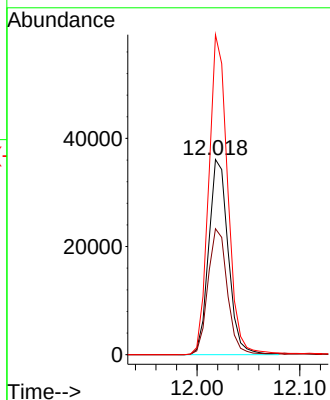
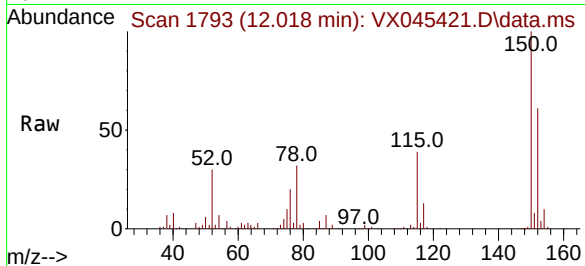




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

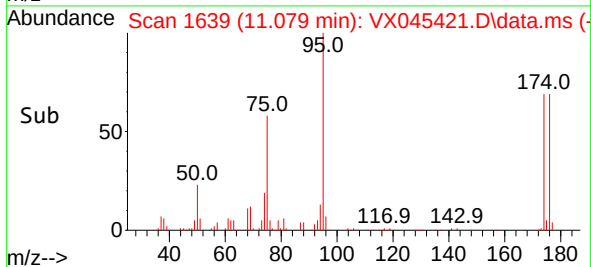
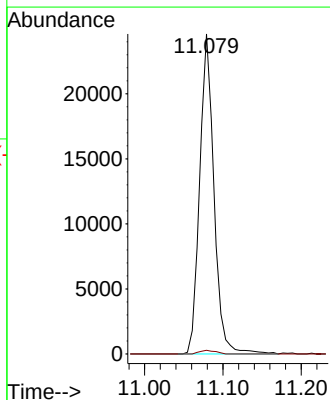
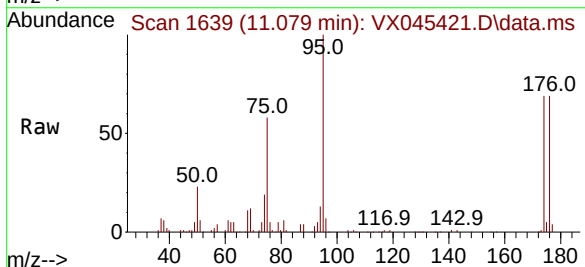
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20250319

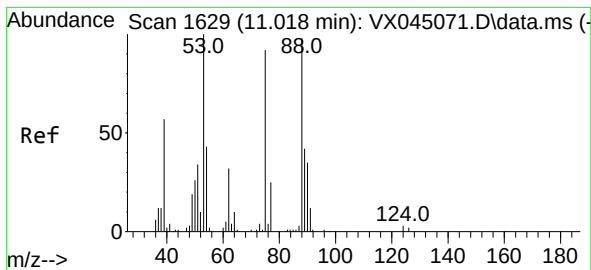
Tgt Ion:152 Resp: 47597
 Ion Ratio Lower Upper
 152 100
 115 64.4 44.2 132.6
 150 160.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.169 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

Tgt Ion: 75 Resp: 31206
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.399 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045421.D
 Acq: 24 Mar 2025 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20250319

Tgt Ion: 75 Resp: 31206
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

