

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047755.D
 Acq On : 24 Sep 2025 06:37
 Operator : JC/MD
 Sample : Q3127-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20250915

Quant Time: Sep 24 07:11:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

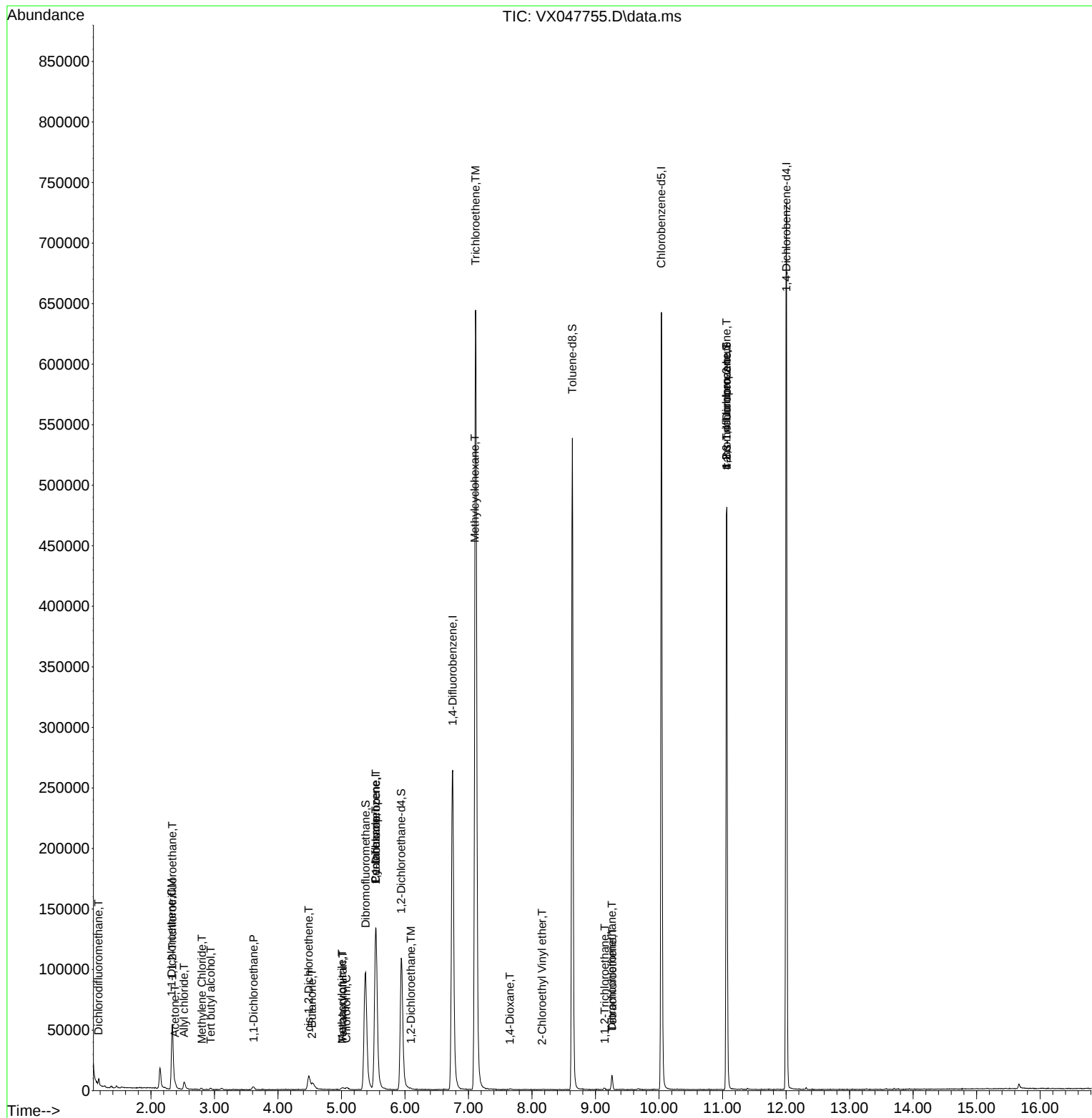
Internal Standards						
1) Pentafluorobenzene	5.538	168	135055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	293558	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	297268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116784	54.325	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.640%		
35) Dibromofluoromethane	5.379	113	95958	48.740	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.480%		
50) Toluene-d8	8.635	98	330914	48.576	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.160%		
62) 4-Bromofluorobenzene	11.061	95	142848	55.252	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1941	1.388	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.337	101	21733	13.913	ug/l	97
11) Tert butyl alcohol	2.941	59	364	1.520	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	3971	2.475	ug/l	89
14) Allyl chloride	2.520	41	894	0.270	ug/l #	79
16) Acetone	2.380	43	3385	3.621	ug/l	96
20) Methylene Chloride	2.800	84	636	0.321	ug/l #	53
24) 1,1-Dichloroethane	3.617	63	3614	1.060	ug/l #	81
25) 2-Butanone	4.538	43	427	0.366	ug/l #	50
27) cis-1,2-Dichloroethene	4.483	96	7873	3.721	ug/l	92
29) Tetrahydrofuran	5.019	42	2033	2.898	ug/l #	79
30) Chloroform	5.074	83	936	0.272	ug/l #	82
31) Cyclohexane	5.538	56	3019	1.063	ug/l #	17
36) 1,1-Dichloropropene	5.544	75	11800	4.102	ug/l #	50
39) Methylcyclohexane	7.098	83	2957	0.906	ug/l #	1
41) Methacrylonitrile	5.007	41	422	0.265	ug/l #	29
42) 1,2-Dichloroethane	6.092	62	1001	0.301	ug/l #	76
44) Trichloroethene	7.111	130	268622	127.162	ug/l	97
49) 1,4-Dioxane	7.653	88	282	11.089	ug/l #	21
55) 1,1,2-Trichloroethane	9.147	97	564	0.272	ug/l #	64
58) 2-Chloroethyl Vinyl ether	8.159	63	286	8.077	ug/l #	47
60) Dibromochloromethane	9.257	129	2293	0.959	ug/l #	11
64) Tetrachloroethene	9.263	164	2417	1.247	ug/l	89
76) 1,2,3-Trichloropropane	11.061	75	73188	23.507	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	73188	59.947	ug/l #	8

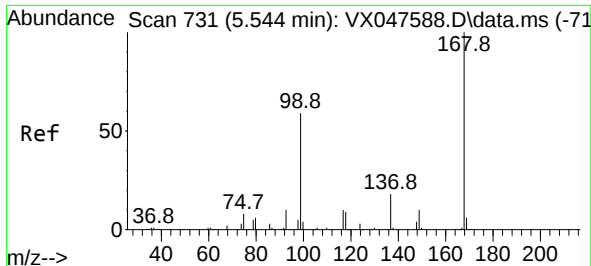
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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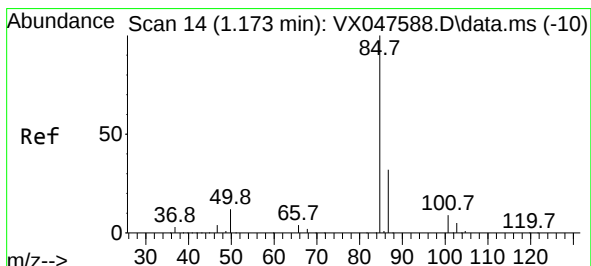
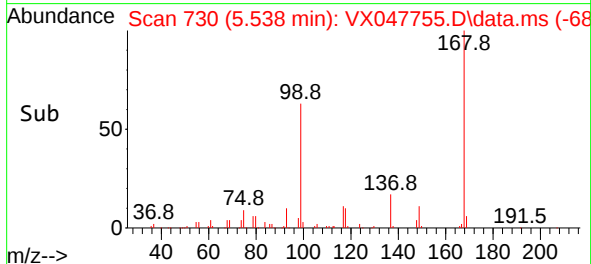
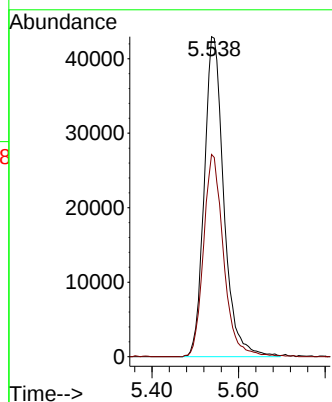
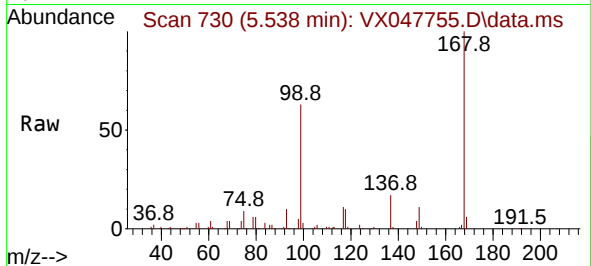




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

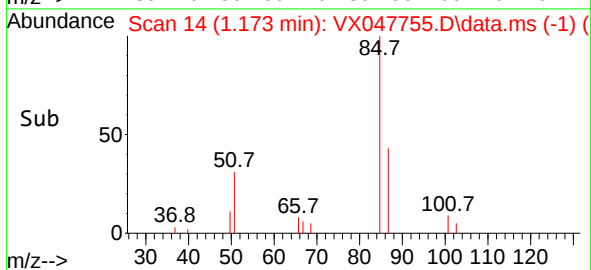
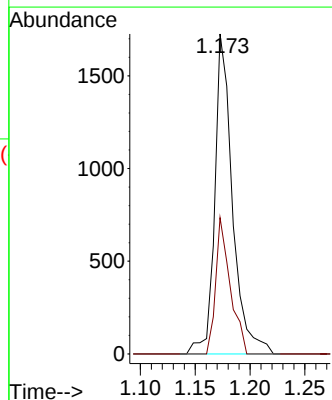
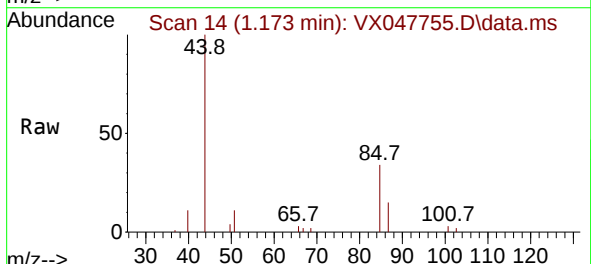
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20250915

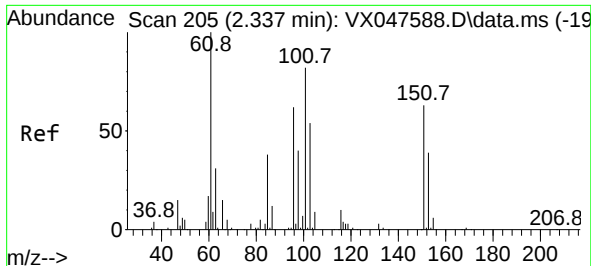
Tgt Ion:168 Resp: 135055
Ion Ratio Lower Upper
168 100
99 63.2 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 1.388 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 85 Resp: 1941
Ion Ratio Lower Upper
85 100
87 42.6 15.8 47.3

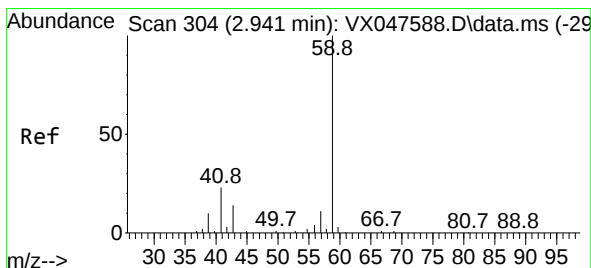
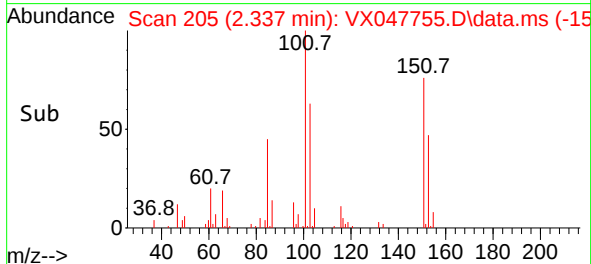
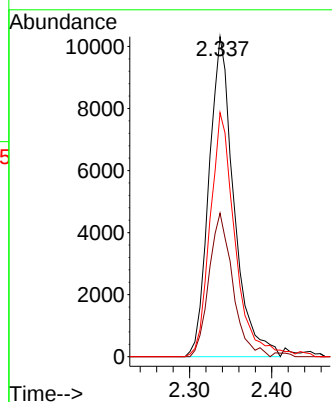
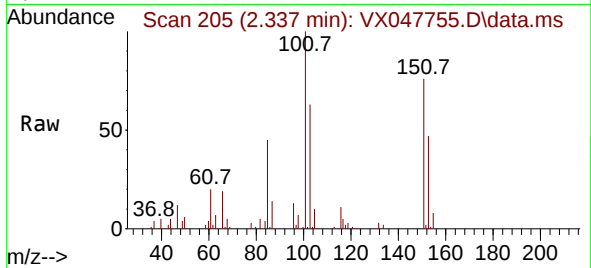




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.913 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

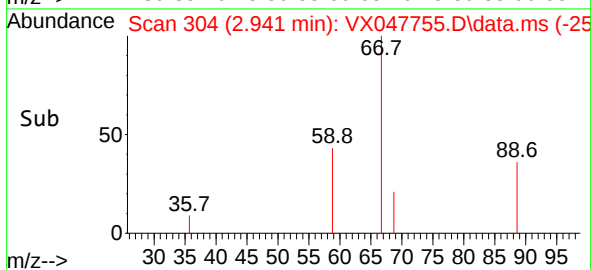
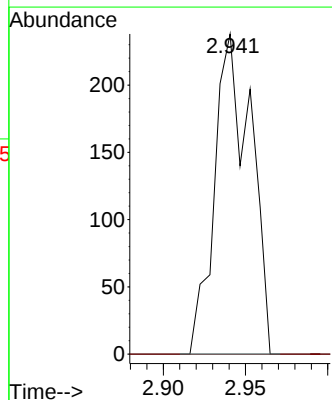
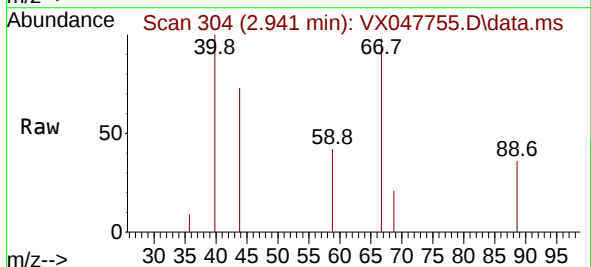
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20250915

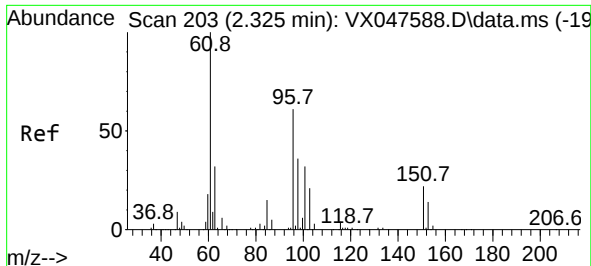
Tgt Ion:101 Resp: 21733
Ion Ratio Lower Upper
101 100
85 42.6 35.5 53.3
151 76.2 59.4 89.0



#11
Tert butyl alcohol
Concen: 1.520 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.475 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047755.D

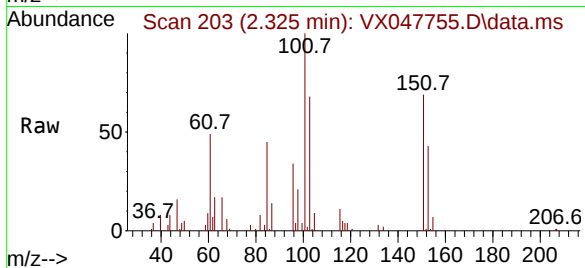
Acq: 24 Sep 2025 06:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20250915



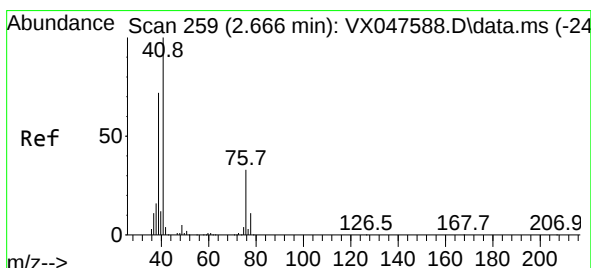
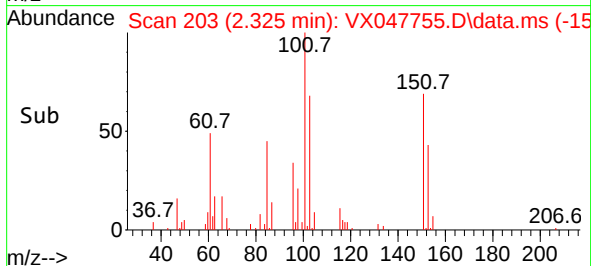
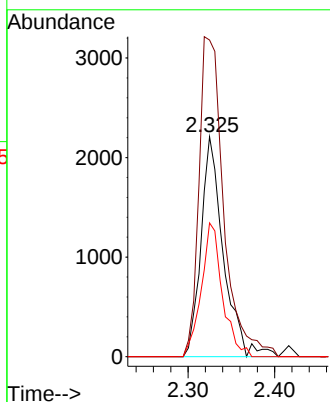
Tgt Ion: 96 Resp: 3971

Ion Ratio Lower Upper

96 100

61 144.0 131.0 196.6

98 60.8 47.7 71.5



#14

Allyl chloride

Concen: 0.270 ug/l

RT: 2.520 min Scan# 235

Delta R.T. -0.146 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

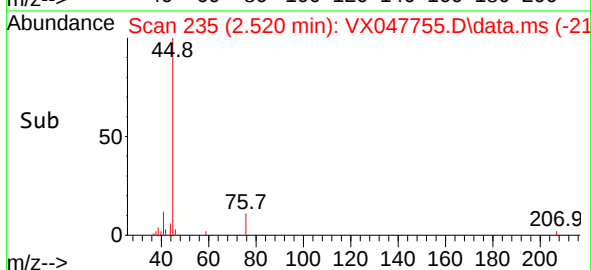
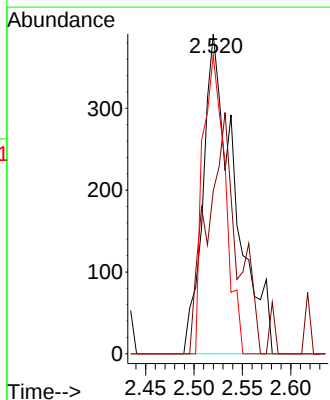
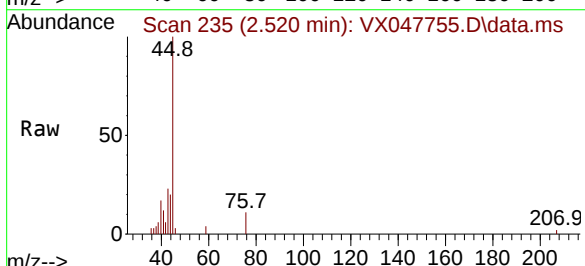
Tgt Ion: 41 Resp: 894

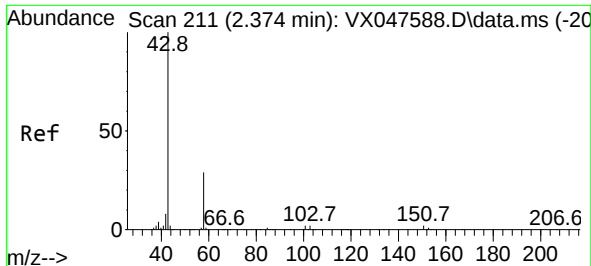
Ion Ratio Lower Upper

41 100

39 70.5 54.7 82.1

76 65.7 25.7 38.5#

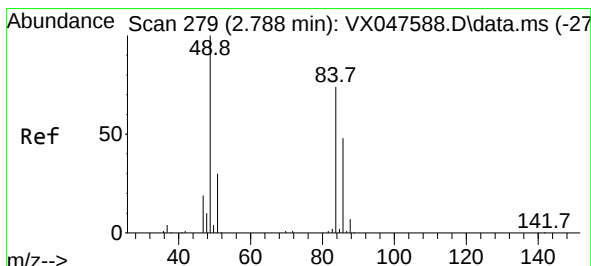
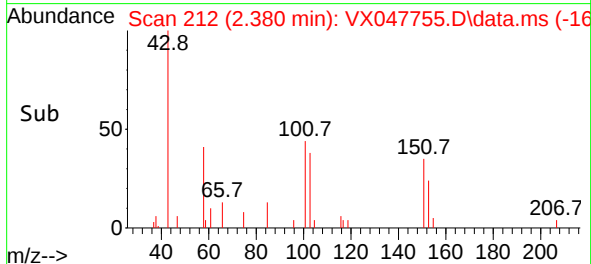
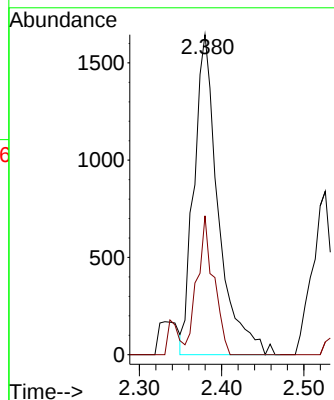
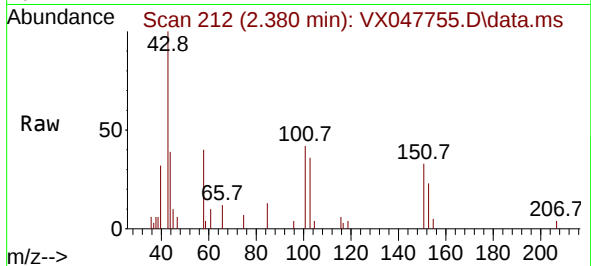




#16
Acetone
Concen: 3.621 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

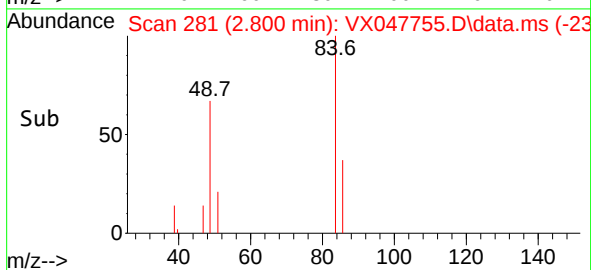
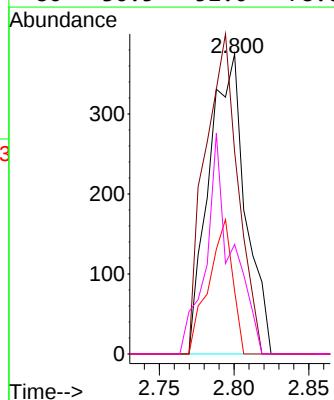
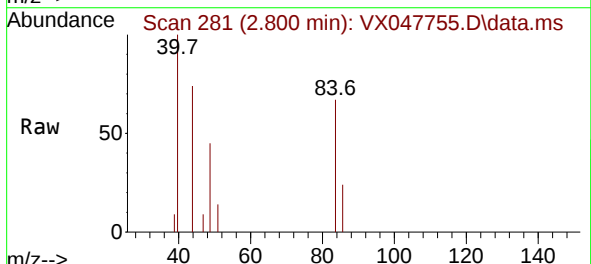
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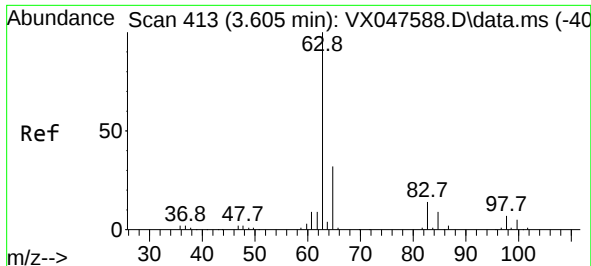
Tgt Ion: 43 Resp: 3385
Ion Ratio Lower Upper
43 100
58 31.2 23.4 35.0



#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 84 Resp: 636
Ion Ratio Lower Upper
84 100
49 67.5 108.6 162.8#
51 21.1 32.6 48.8#
86 36.5 52.0 78.0#

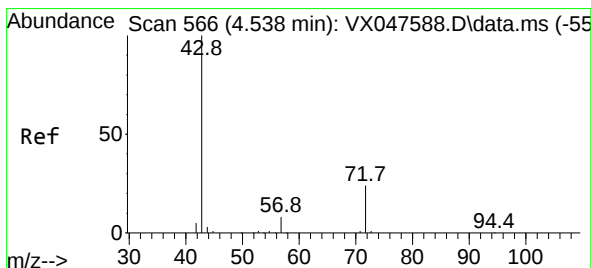
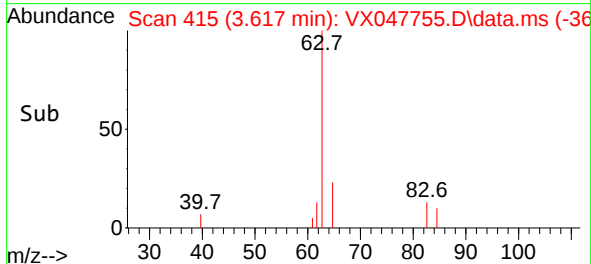
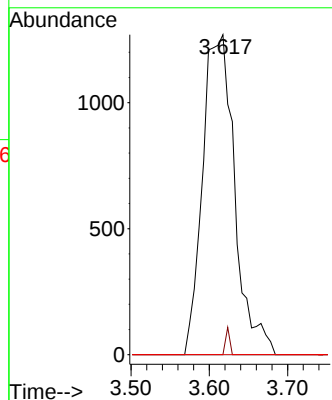
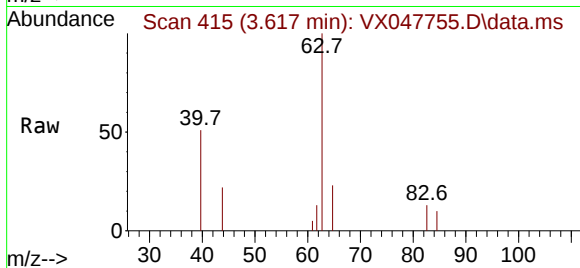




#24
1,1-Dichloroethane
Concen: 1.060 ug/l
RT: 3.617 min Scan# 413
Delta R.T. 0.012 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

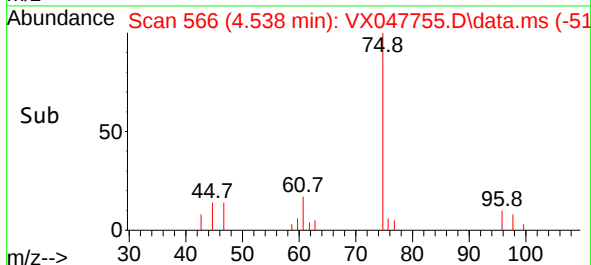
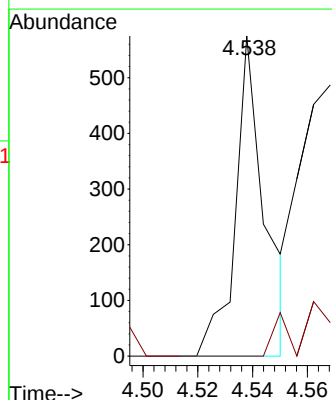
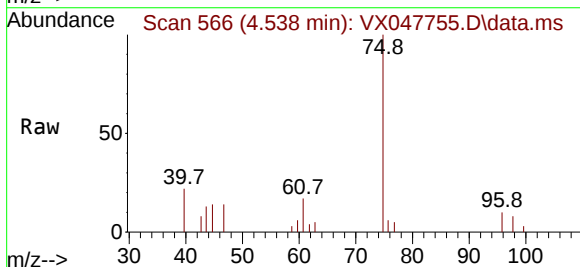
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ClientSampleId :
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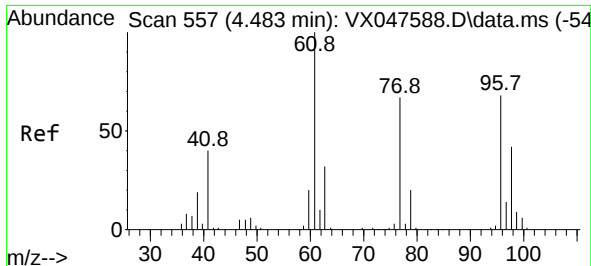
Tgt Ion: 63 Resp: 3614
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#



#25
2-Butanone
Concen: 0.366 ug/l
RT: 4.538 min Scan# 566
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#





#27

cis-1,2-Dichloroethene

Concen: 3.721 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20250915

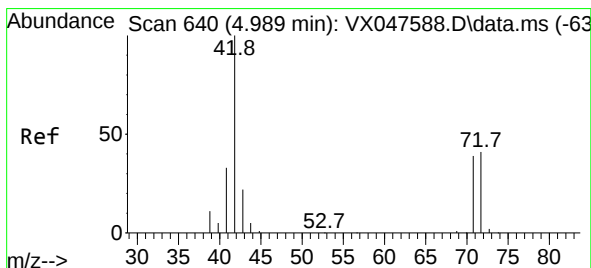
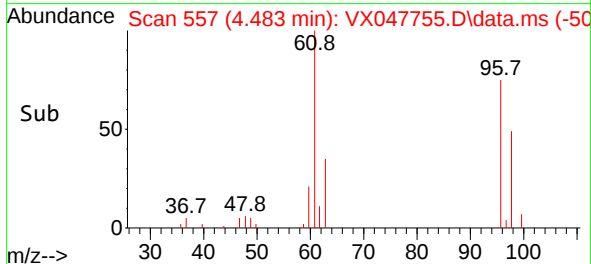
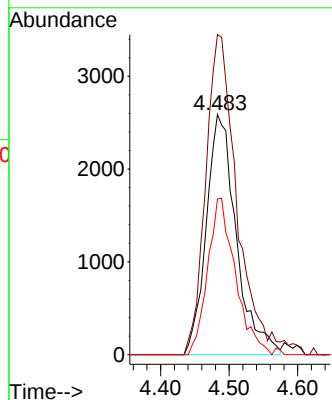
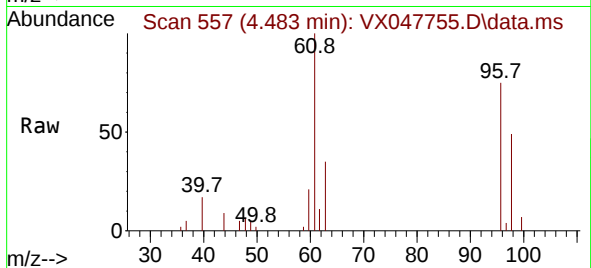
Tgt Ion: 96 Resp: 7873

Ion Ratio Lower Upper

96 100

61 140.3 0.0 303.2

98 60.1 0.0 127.8



#29

Tetrahydrofuran

Concen: 2.898 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.030 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

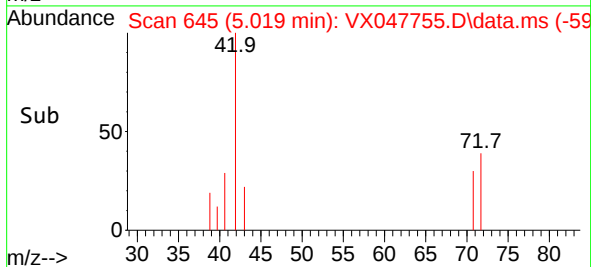
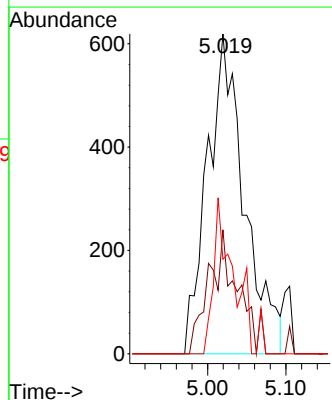
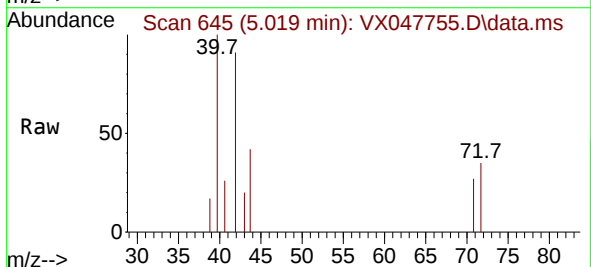
Tgt Ion: 42 Resp: 2033

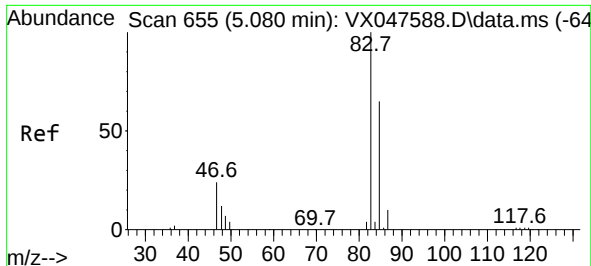
Ion Ratio Lower Upper

42 100

72 30.5 34.2 51.2#

71 25.6 31.9 47.9#





#30

Chloroform

Concen: 0.272 ug/l

RT: 5.074 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

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MSVOA_X

ClientSampleId :

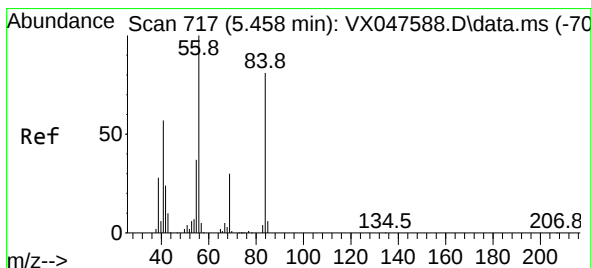
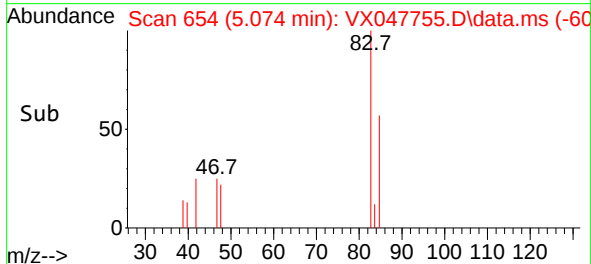
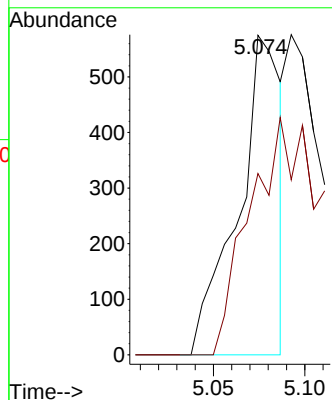
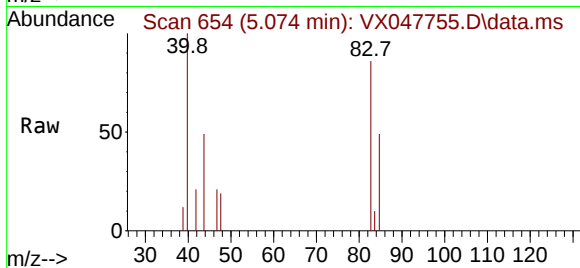
TT101D-20250915

Tgt Ion: 83 Resp: 936

Ion Ratio Lower Upper

83 100

85 50.7 51.8 77.6#



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

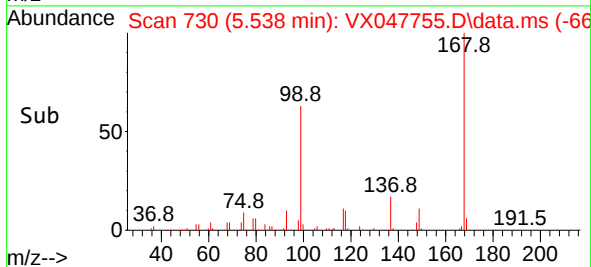
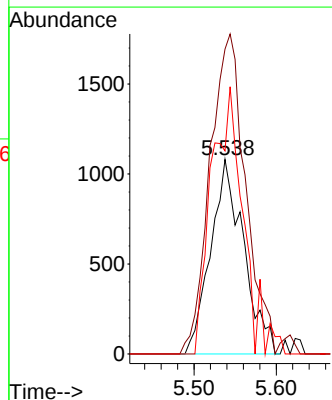
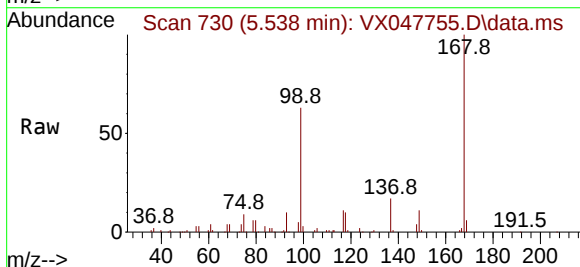
Tgt Ion: 56 Resp: 3019

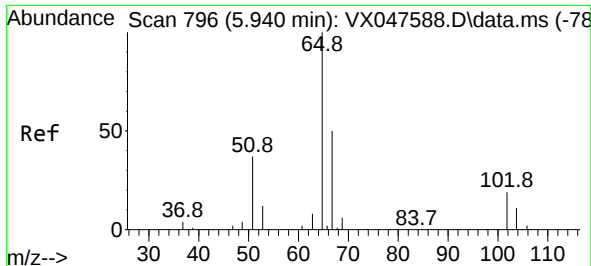
Ion Ratio Lower Upper

56 100

69 156.7 23.8 35.8#

84 104.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.325 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Instrument :

MSVOA_X

ClientSampleId :

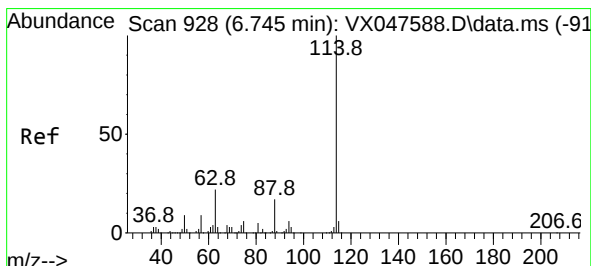
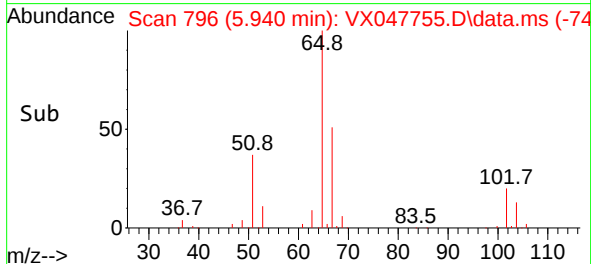
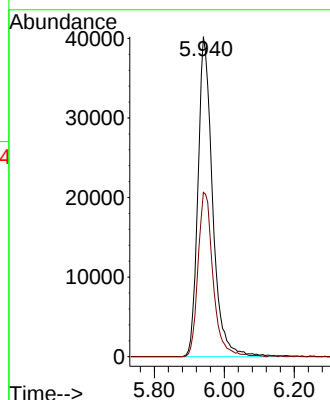
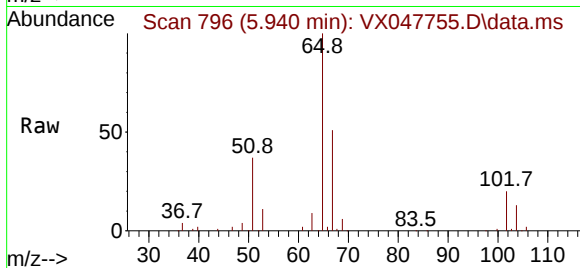
TT101D-20250915

Tgt Ion: 65 Resp: 116784

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

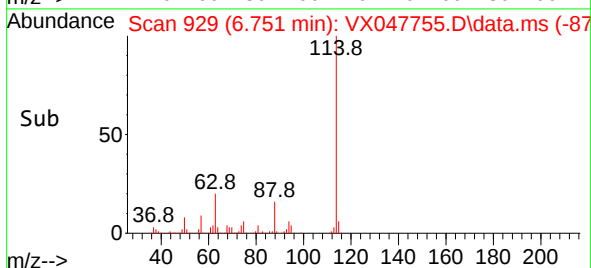
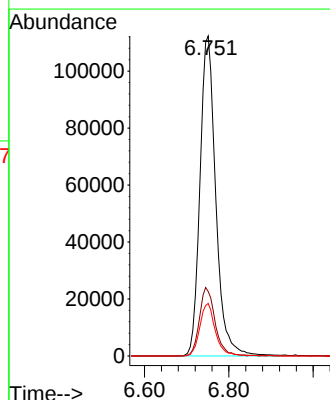
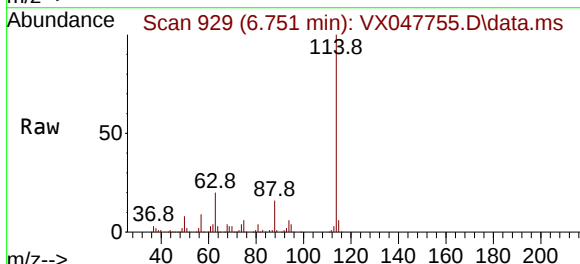
Tgt Ion: 114 Resp: 293558

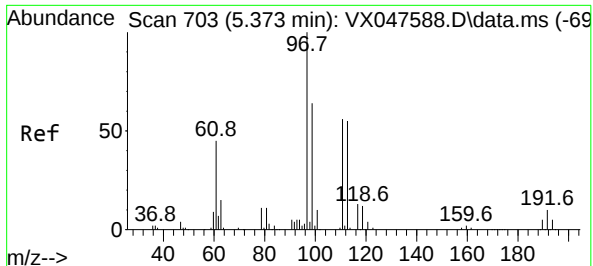
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.0

88 16.4 0.0 34.2

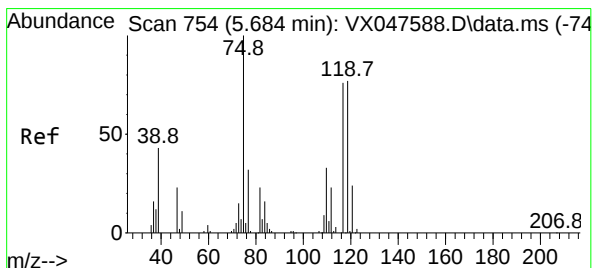
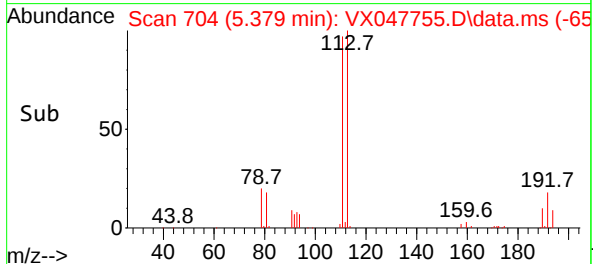
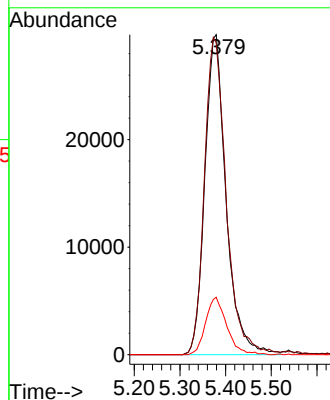
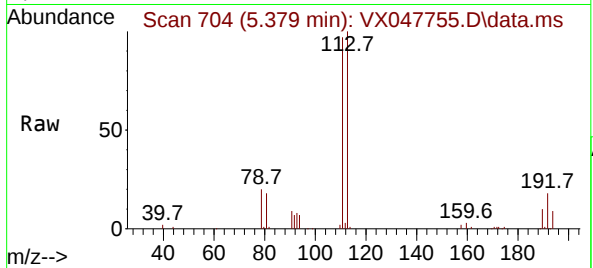




#35
Dibromofluoromethane
Concen: 48.740 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

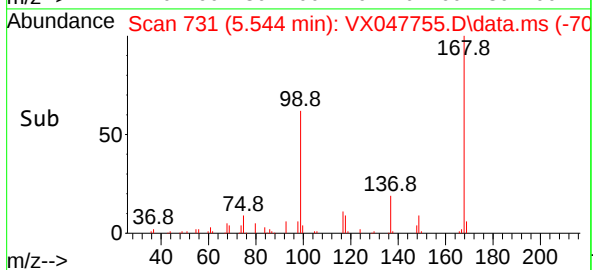
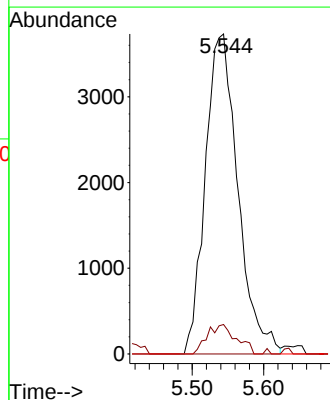
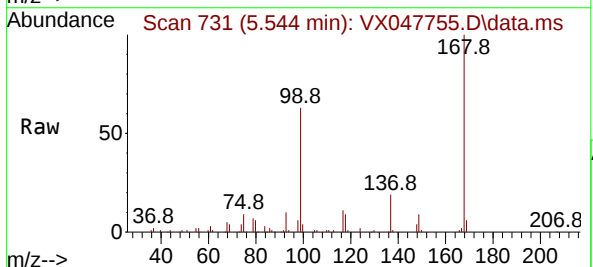
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20250915

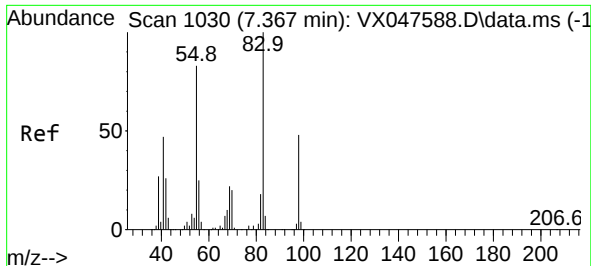
Tgt Ion:113 Resp: 95958
Ion Ratio Lower Upper
113 100
111 101.9 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.102 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 75 Resp: 11800
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.1#
77 0.0 24.3 36.5#





#39

Methylcyclohexane

Concen: 0.906 ug/l

RT: 7.098 min Scan# 91

Delta R.T. -0.268 min

Lab File: VX047755.D

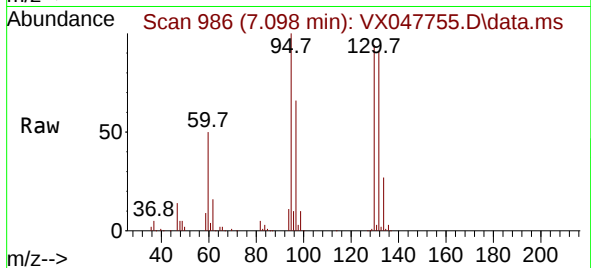
Acq: 24 Sep 2025 06:37

Instrument :

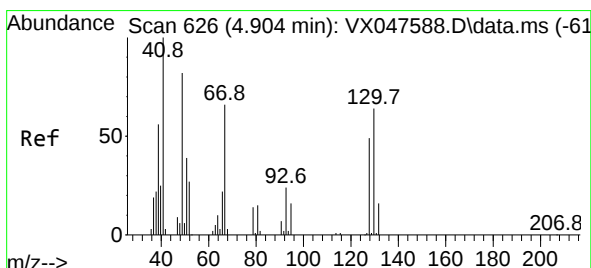
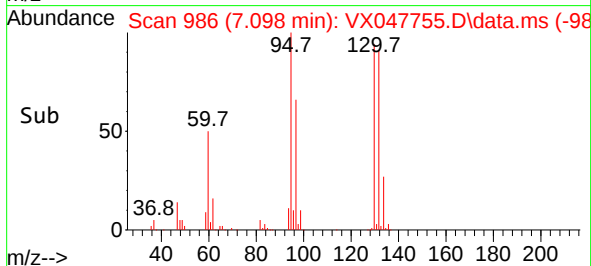
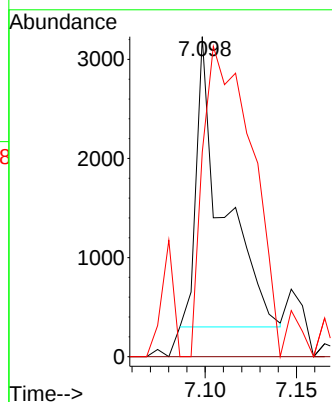
MSVOA_X

ClientSampleId :

TT101D-20250915



Tgt Ion:	83	Resp:	2957
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.4	99.6#
98	360.2	38.1	57.1#



#41

Methacrylonitrile

Concen: 0.265 ug/l

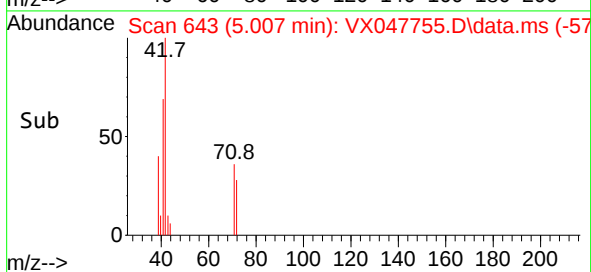
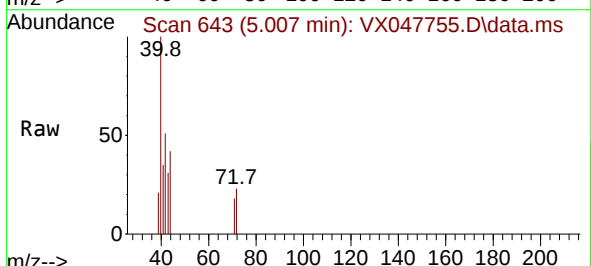
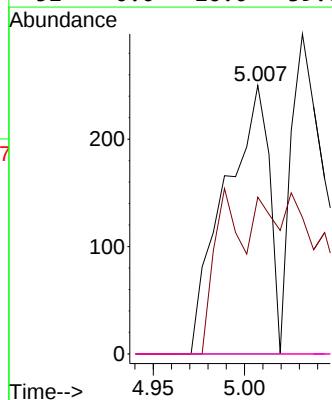
RT: 5.007 min Scan# 643

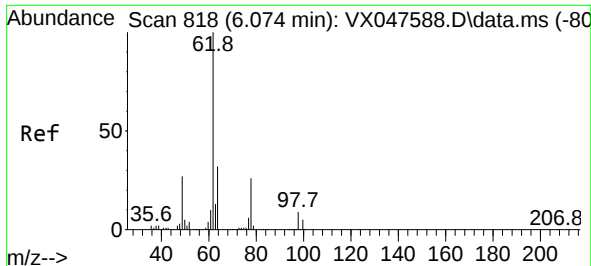
Delta R.T. 0.104 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Tgt Ion:	41	Resp:	422
Ion	Ratio	Lower	Upper
41	100		
39	12.6	43.3	64.9#
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#





#42

1,2-Dichloroethane

Concen: 0.301 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Instrument :

MSVOA_X

ClientSampleId :

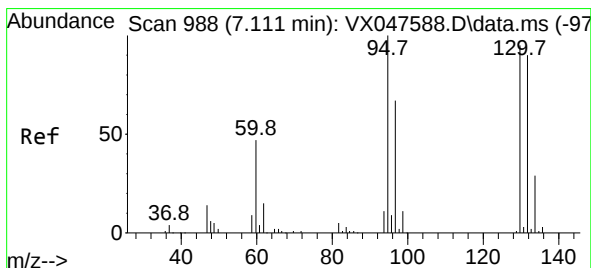
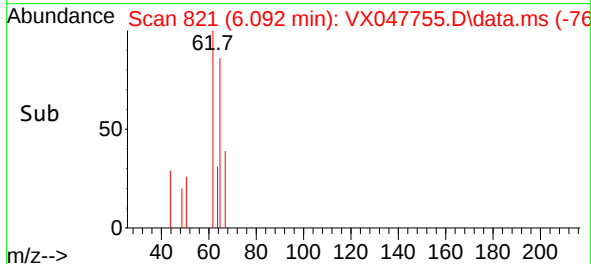
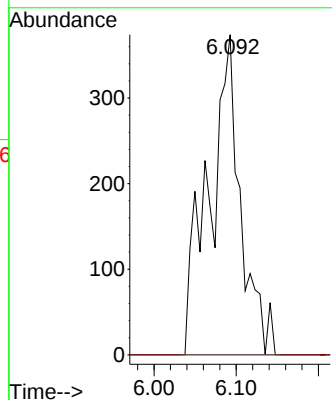
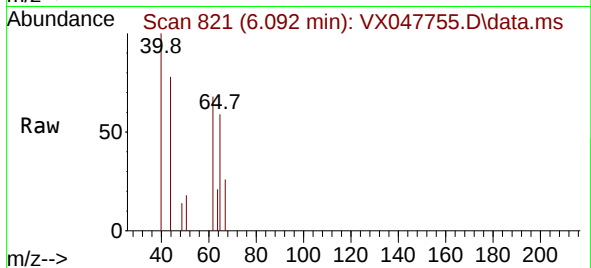
TT101D-20250915

Tgt Ion: 62 Resp: 1001

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 127.162 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047755.D

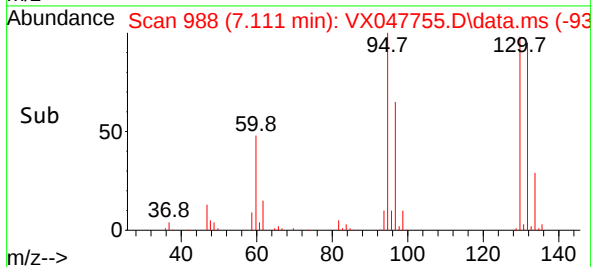
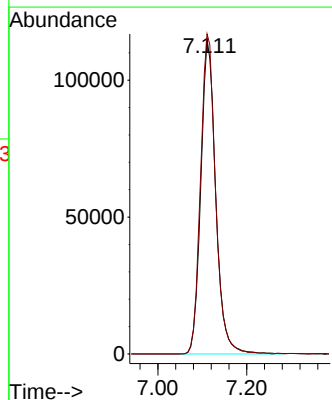
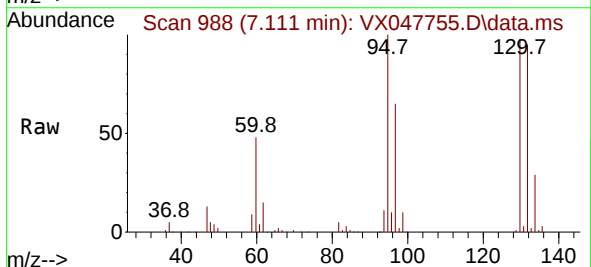
Acq: 24 Sep 2025 06:37

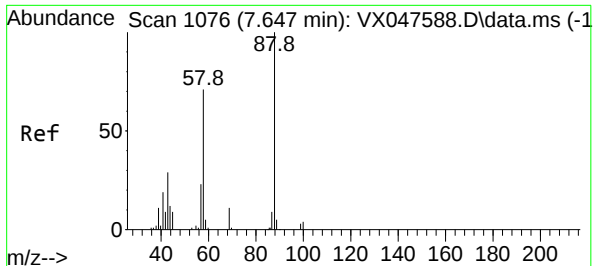
Tgt Ion:130 Resp: 268622

Ion Ratio Lower Upper

130 100

95 102.0 0.0 210.8





#49

1,4-Dioxane

Concen: 11.089 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX047755.D

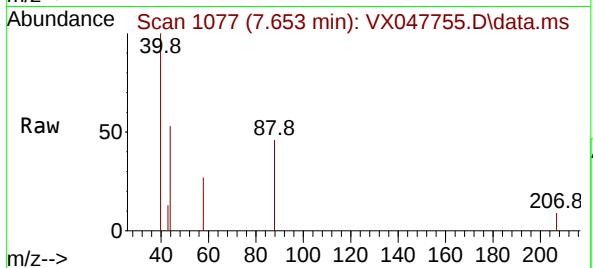
Acq: 24 Sep 2025 06:37

Instrument :

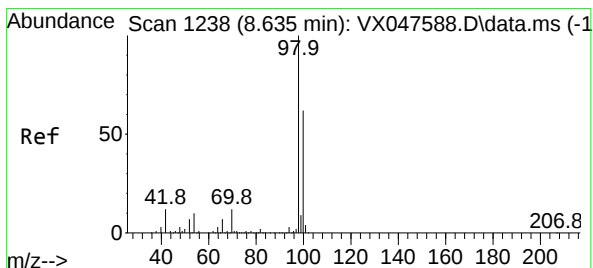
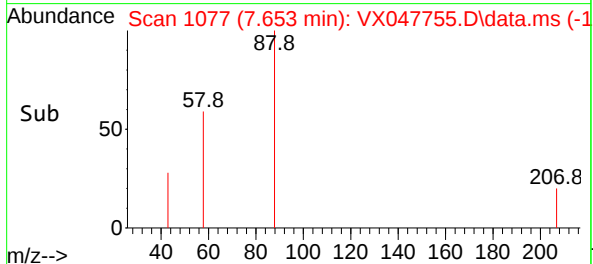
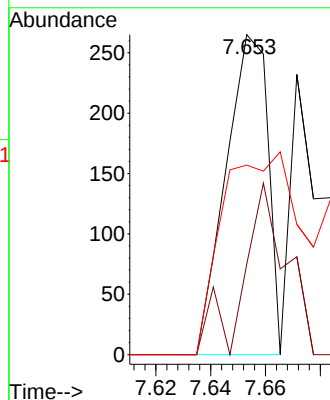
MSVOA_X

ClientSampleId :

TT101D-20250915



Tgt Ion:	88	Resp:	282
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 48.576 ug/l

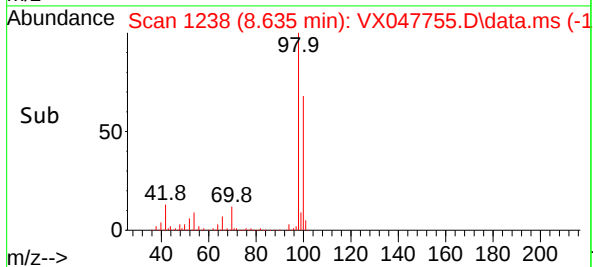
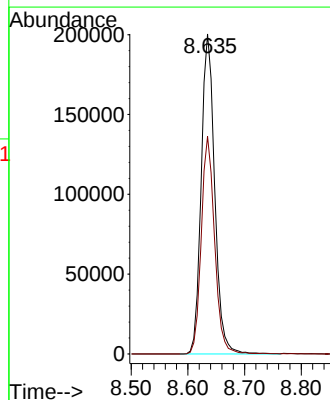
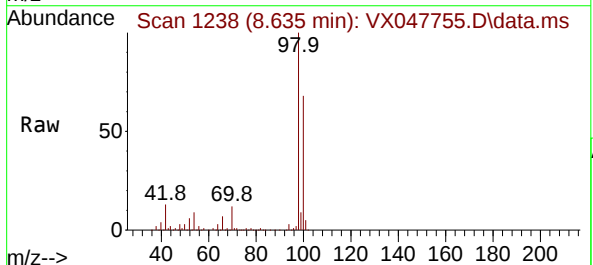
RT: 8.635 min Scan# 1238

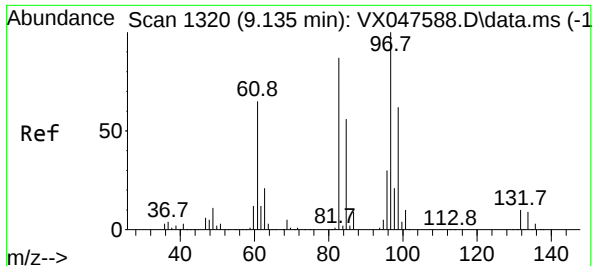
Delta R.T. -0.000 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Tgt Ion:	98	Resp:	330914
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4





#55

1,1,2-Trichloroethane

Concen: 0.272 ug/l

RT: 9.147 min Scan# 1160

Delta R.T. 0.012 min

Lab File: VX047755.D

Acq: 24 Sep 2025 06:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20250915

Tgt Ion: 97 Resp: 564

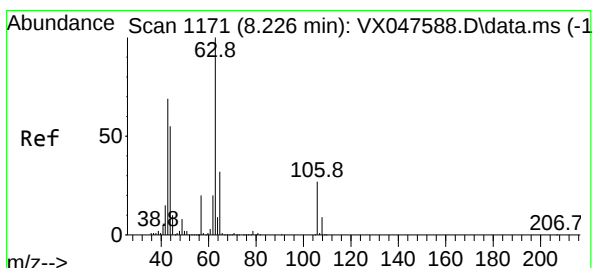
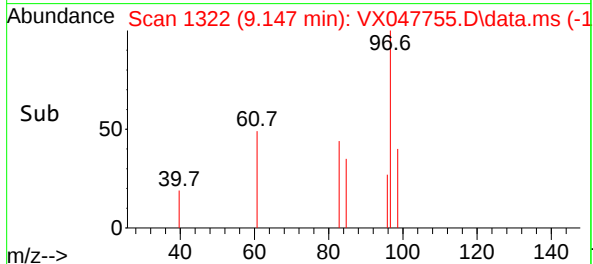
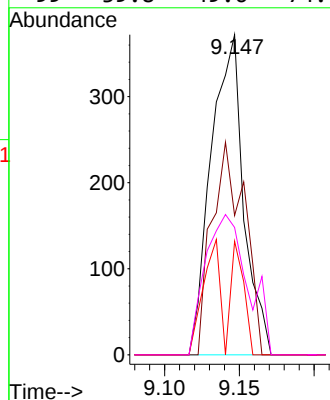
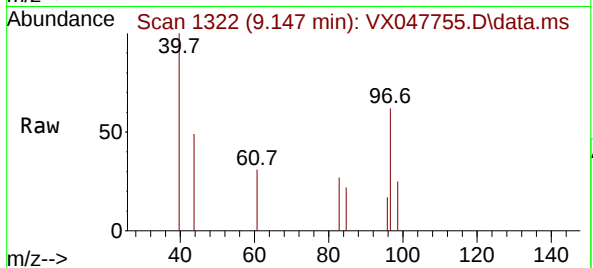
Ion Ratio Lower Upper

97 100

83 43.5 69.6 104.4#

85 35.5 45.0 67.6#

99 39.8 49.6 74.4#



#58

2-Chloroethyl Vinyl ether

Concen: 8.077 ug/l

RT: 8.159 min Scan# 1160

Delta R.T. -0.067 min

Lab File: VX047755.D

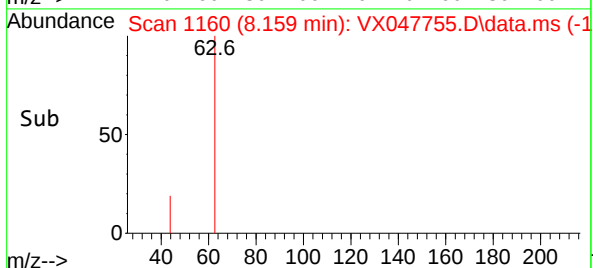
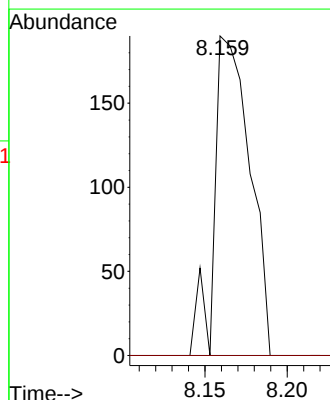
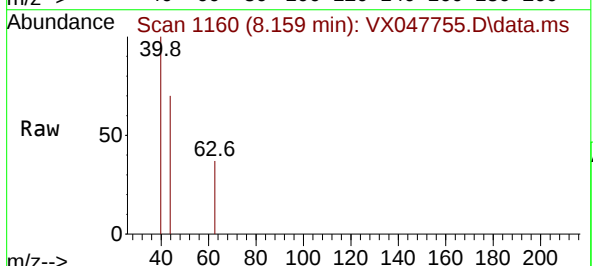
Acq: 24 Sep 2025 06:37

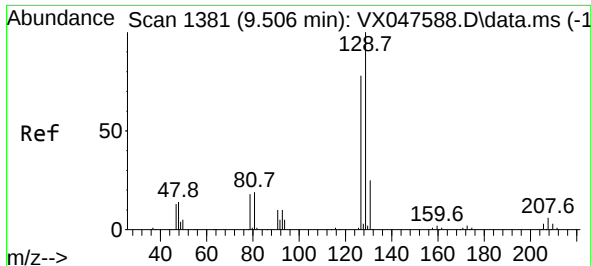
Tgt Ion: 63 Resp: 286

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

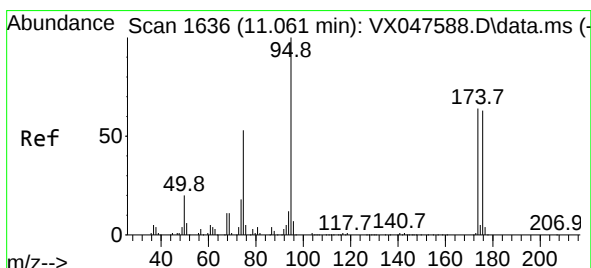
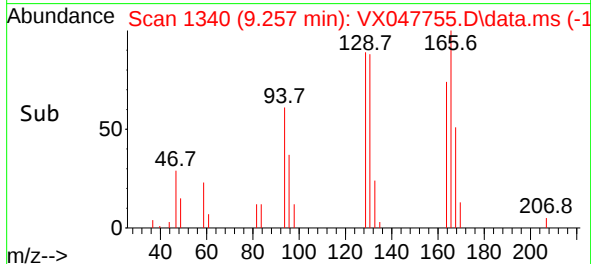
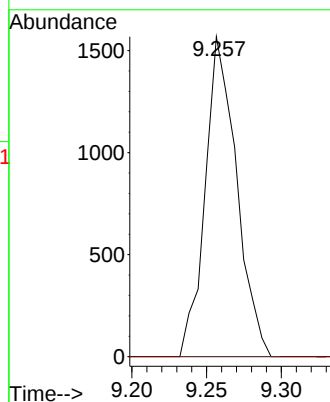
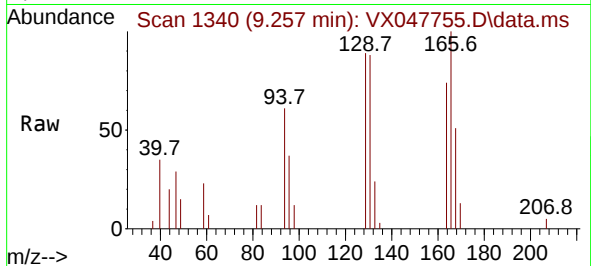




#60
Dibromochloromethane
Concen: 0.959 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

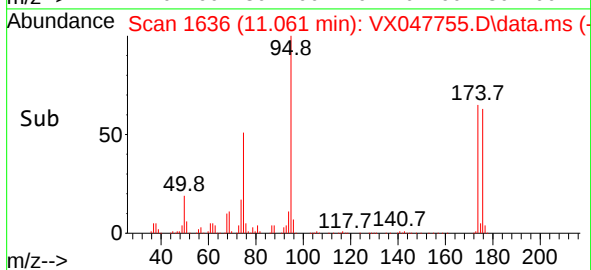
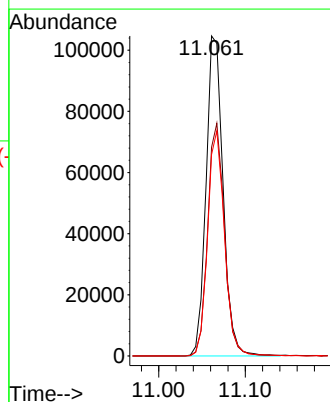
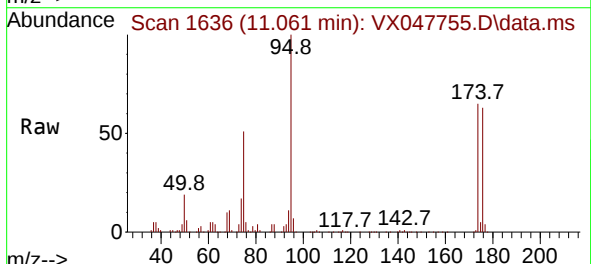
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20250915

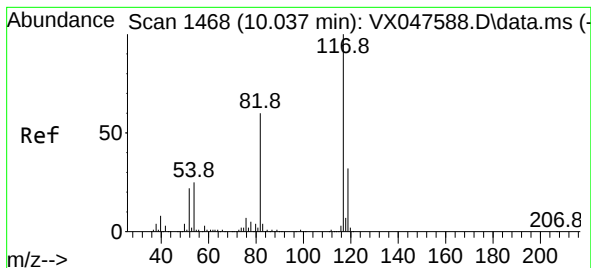
Tgt Ion:129 Resp: 2293
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 55.252 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion: 95 Resp: 142848
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 69.8 0.0 138.4

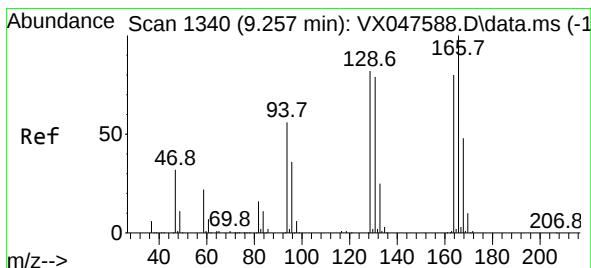
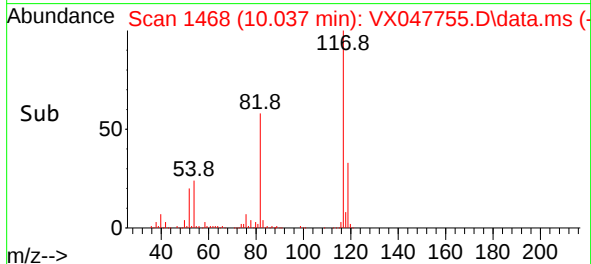
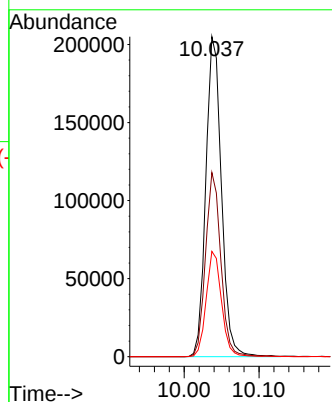
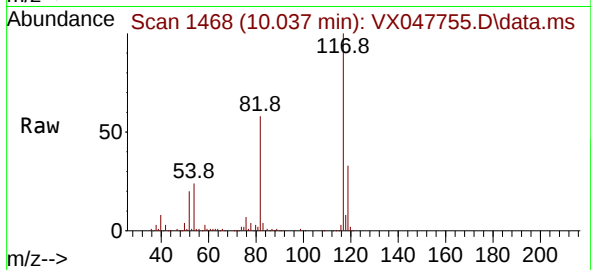




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

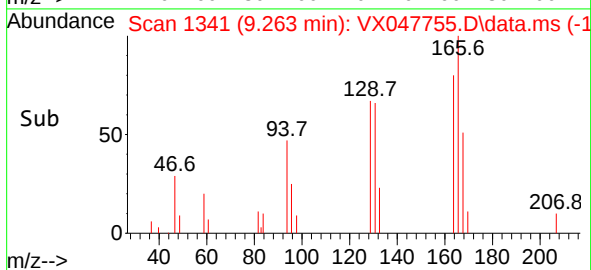
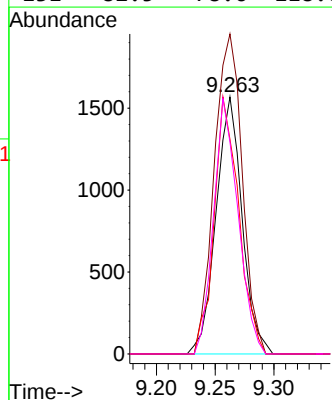
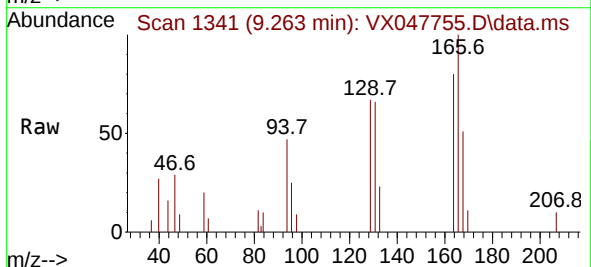
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20250915

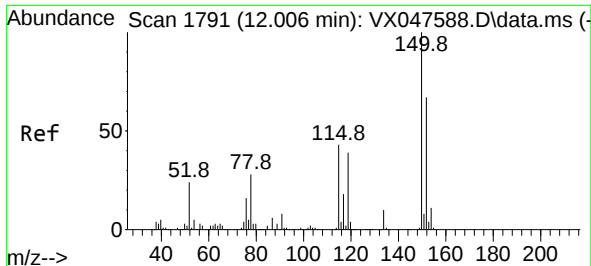
Tgt Ion:	117	Resp:	297268
Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.9	25.2	37.8



#64
Tetrachloroethene
Concen: 1.247 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047755.D
Acq: 24 Sep 2025 06:37

Tgt Ion:	164	Resp:	2417
Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	83.5	81.8	122.6
131	82.5	78.6	118.0

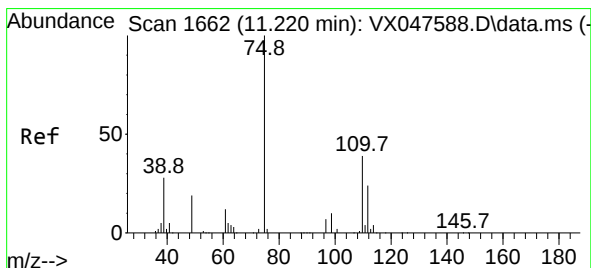
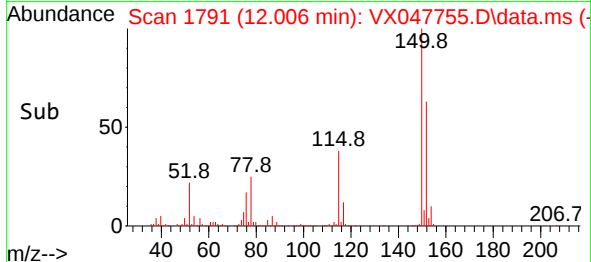
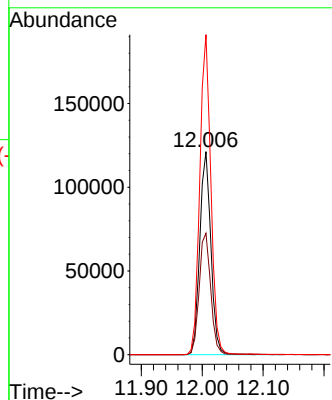
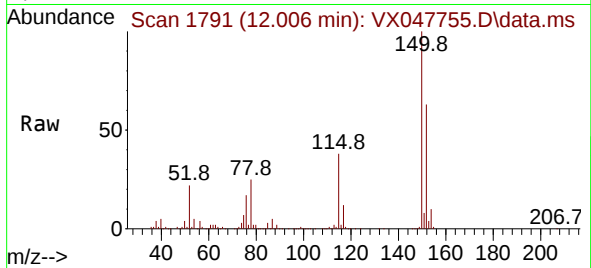




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX047755.D
 Acq: 24 Sep 2025 06:37

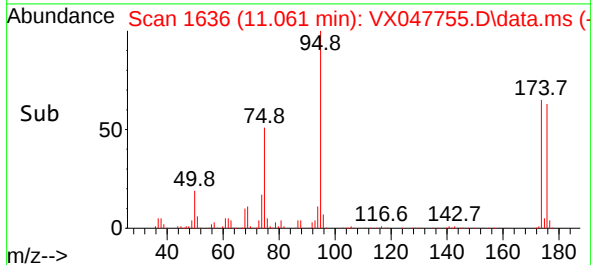
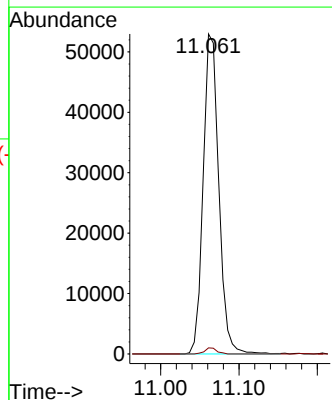
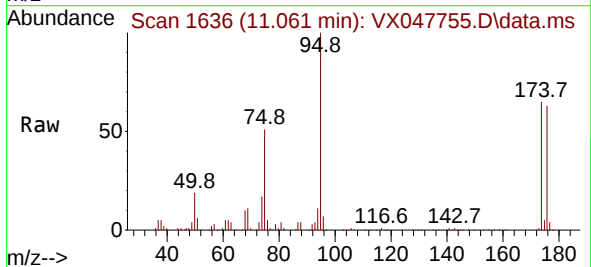
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20250915

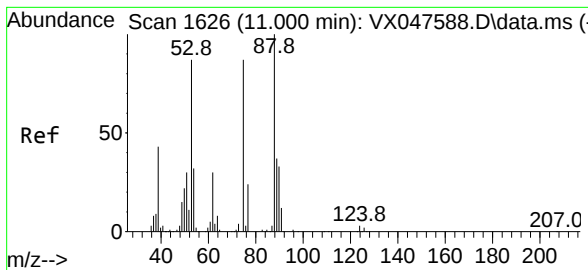
Tgt Ion:152 Resp: 153772
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.9 134.5
 150 156.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.507 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047755.D
 Acq: 24 Sep 2025 06:37

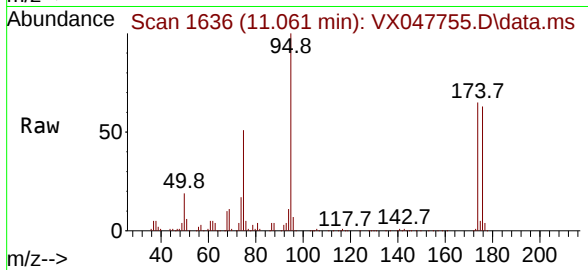
Tgt Ion: 75 Resp: 73188
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.947 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047755.D
 Acq: 24 Sep 2025 06:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20250915



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.4	125.2#
89	0.0	36.3	54.5#

