

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047684.D
 Acq On : 19 Sep 2025 18:01
 Operator : JC/MD
 Sample : Q3097-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:36:34 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)

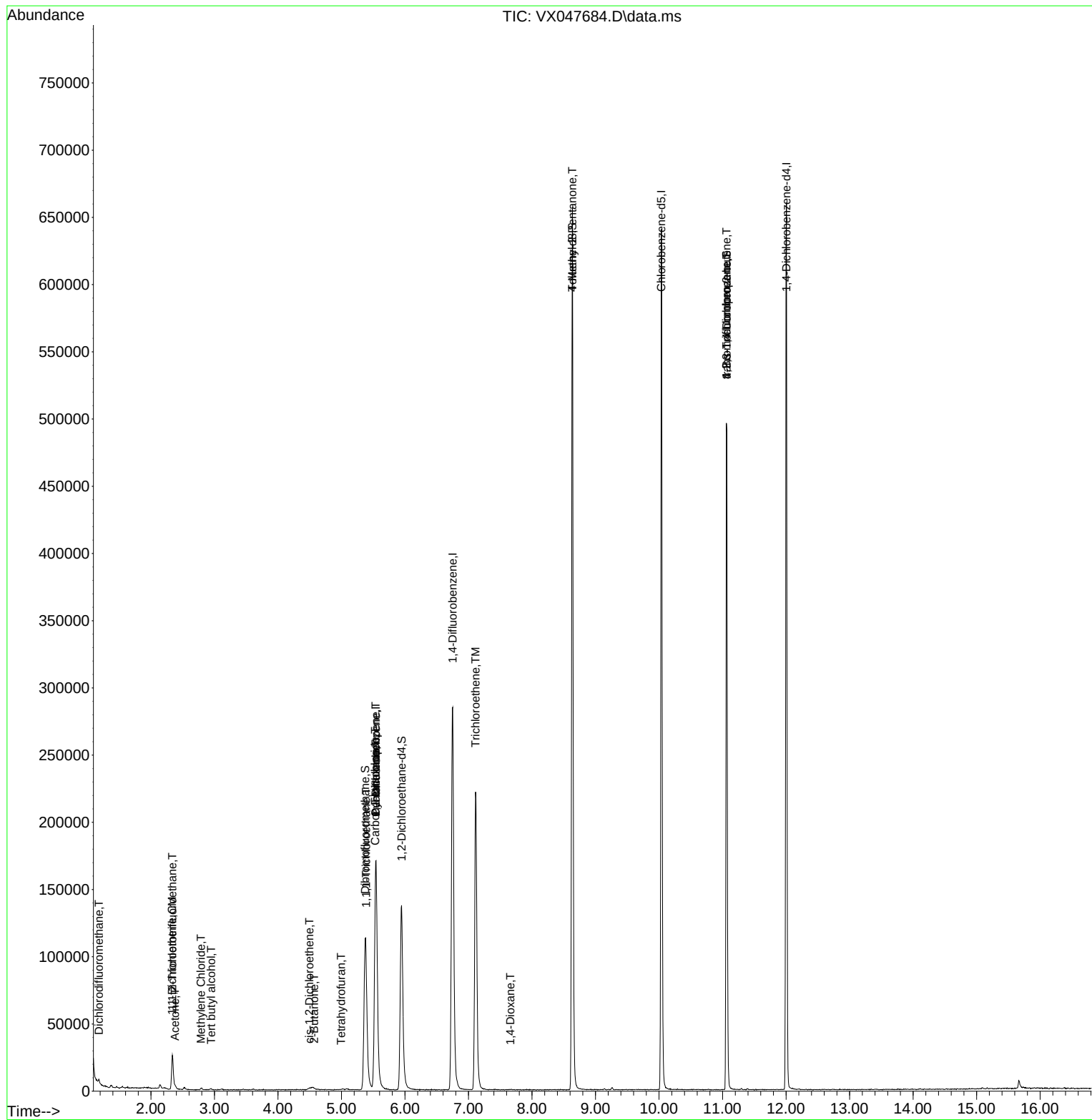
Internal Standards						
1) Pentafluorobenzene	5.544	168	172337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	315489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	147719	53.850	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.700%	
35) Dibromofluoromethane	5.373	113	111279	52.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.180%	
50) Toluene-d8	8.634	98	386055	52.731	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.460%	
62) 4-Bromofluorobenzene	11.061	95	146653	52.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	1605	0.899	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	10091	5.062	ug/l	97
11) Tert butyl alcohol	2.946	59	148	0.484	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1059	0.517	ug/l	85
16) Acetone	2.380	43	2409	2.020	ug/l #	1
20) Methylene Chloride	2.788	84	657	0.260	ug/l #	72
25) 2-Butanone	4.568	43	1071	0.720	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	870	0.322	ug/l	91
29) Tetrahydrofuran	4.995	42	191	0.213	ug/l #	34
31) Cyclohexane	5.537	56	3710	1.023	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1572	0.421	ug/l #	51
36) 1,1-Dichloropropene	5.537	75	14999	4.851	ug/l #	51
38) Carbon Tetrachloride	5.531	117	18329	5.456	ug/l #	18
44) Trichloroethene	7.110	130	94127	41.461	ug/l	98
49) 1,4-Dioxane	7.659	88	81	2.964	ug/l #	1
51) 4-Methyl-2-Pentanone	8.634	43	1962	0.652	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	75985	26.711	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	75985	68.117	ug/l #	8

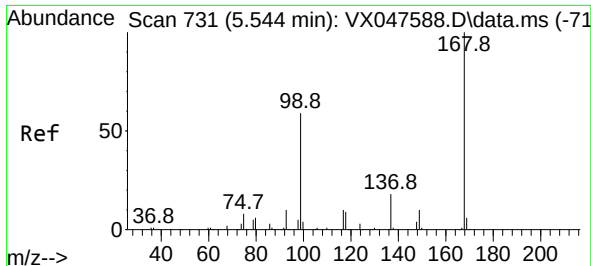
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 00:36:34 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

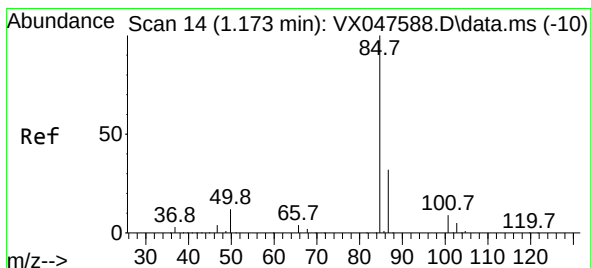
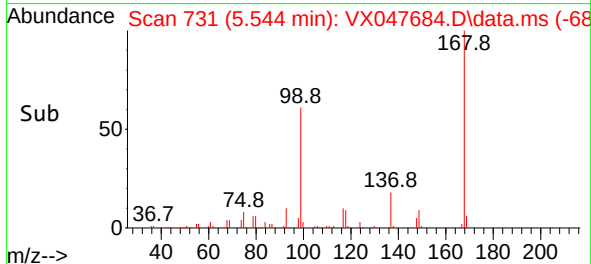
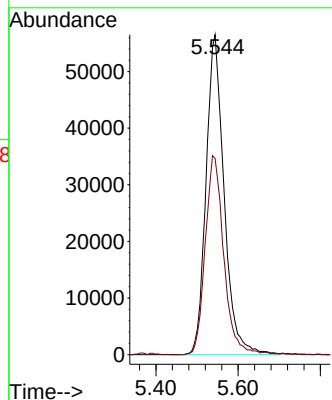
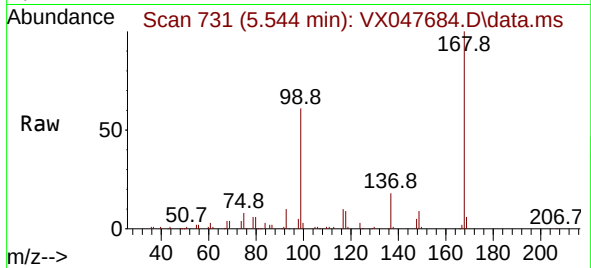




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

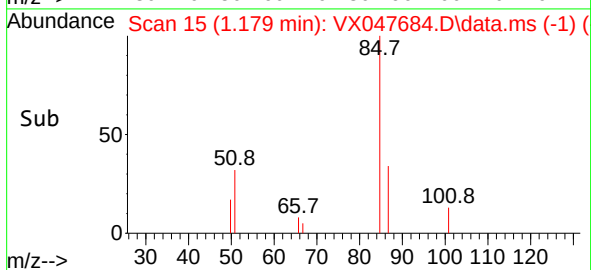
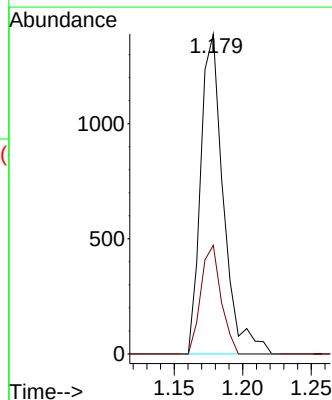
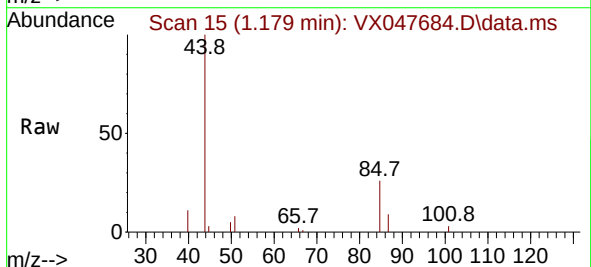
Instrument :
MSVOA_X
ClientSampleId :

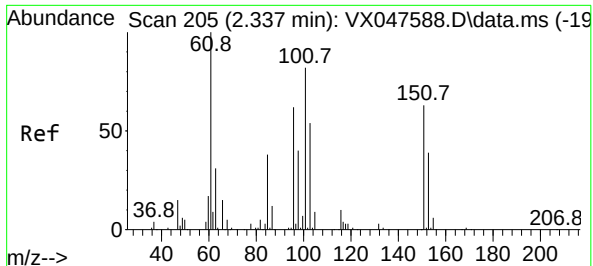
Tgt Ion:168 Resp: 172337
Ion Ratio Lower Upper
168 100
99 61.4 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.899 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion: 85 Resp: 1605
Ion Ratio Lower Upper
85 100
87 34.0 15.8 47.3

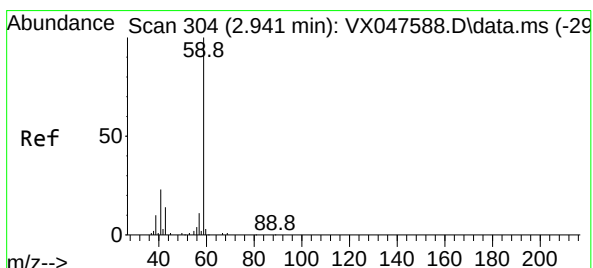
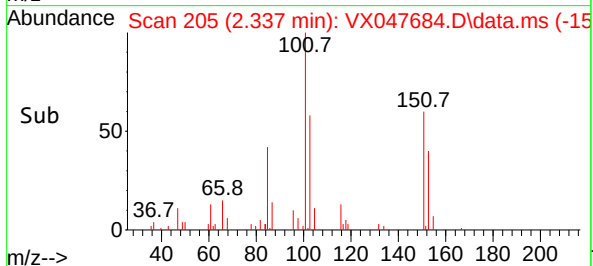
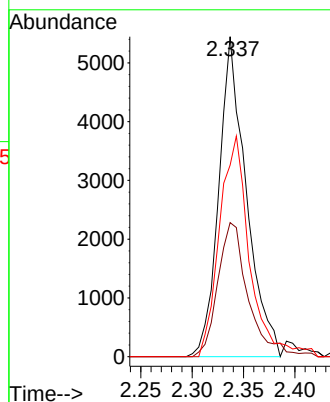
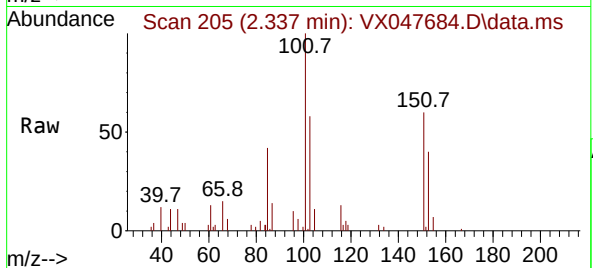




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.062 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

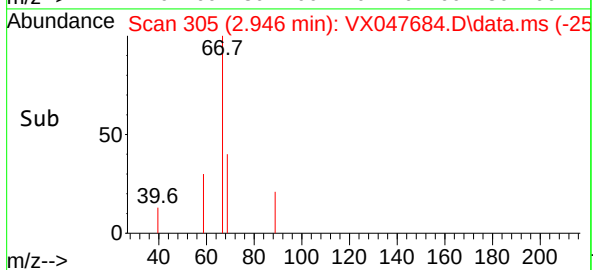
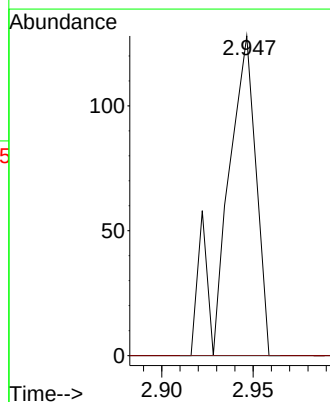
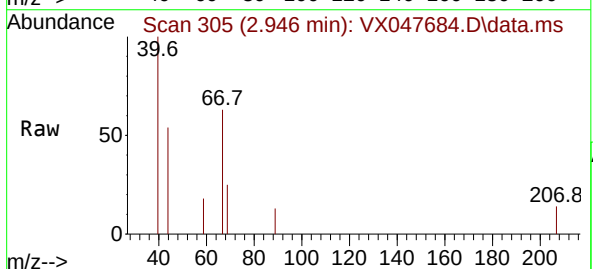
Instrument :
MSVOA_X
ClientSampleId :

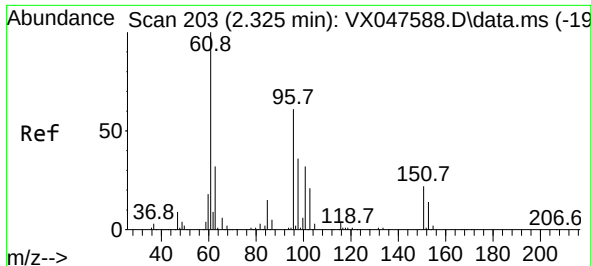
Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.6	35.5	53.3
151	75.9	59.4	89.0



#11
Tert butyl alcohol
Concen: 0.484 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5





#12

1,1-Dichloroethene

Concen: 0.517 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX047684.D

Acq: 19 Sep 2025 18:01

Instrument :

MSVOA_X

ClientSampleId :

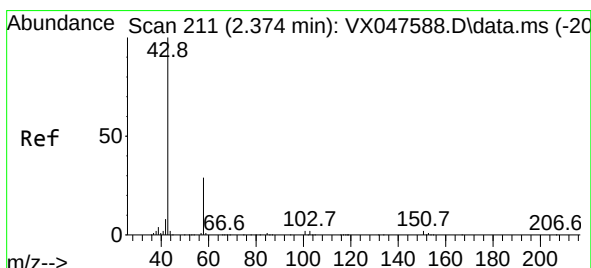
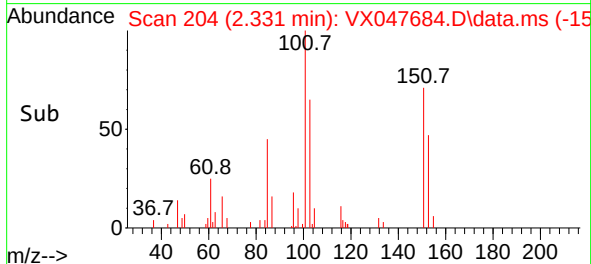
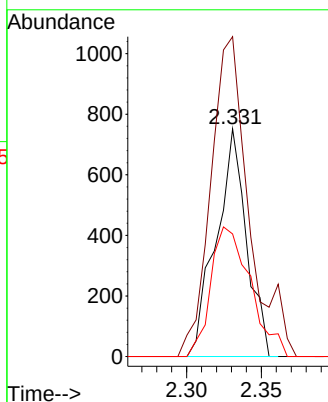
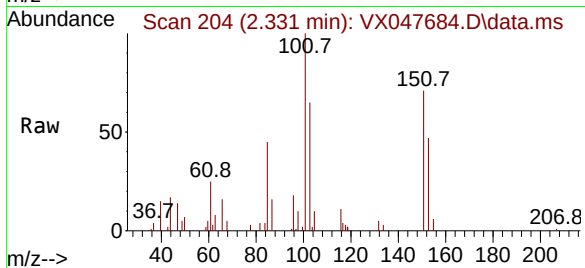
Tgt Ion: 96 Resp: 1059

Ion Ratio Lower Upper

96 100

61 140.4 131.0 196.6

98 53.9 47.7 71.5



#16

Acetone

Concen: 2.020 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047684.D

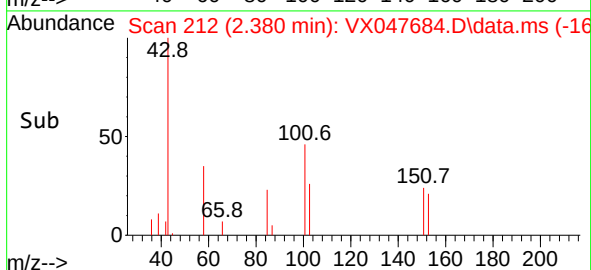
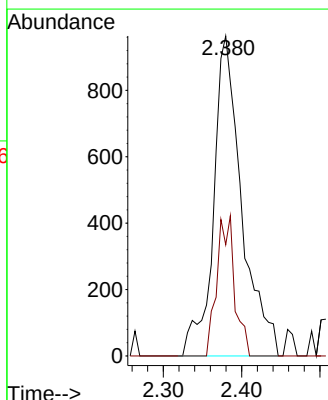
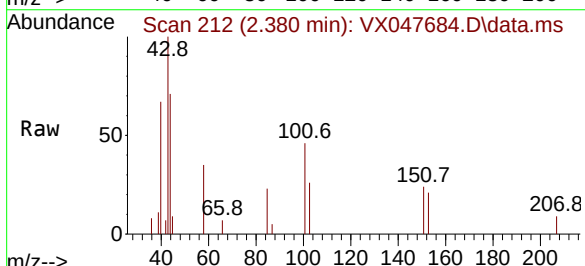
Acq: 19 Sep 2025 18:01

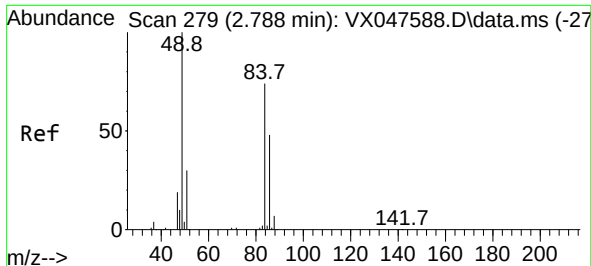
Tgt Ion: 43 Resp: 2409

Ion Ratio Lower Upper

43 100

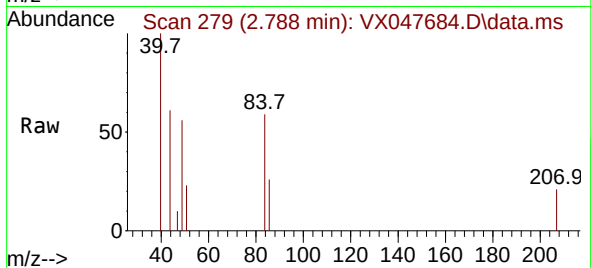
58 100.3 23.4 35.0#



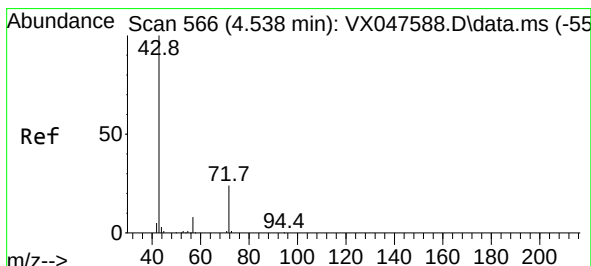
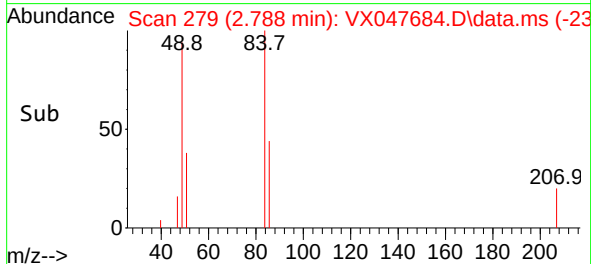
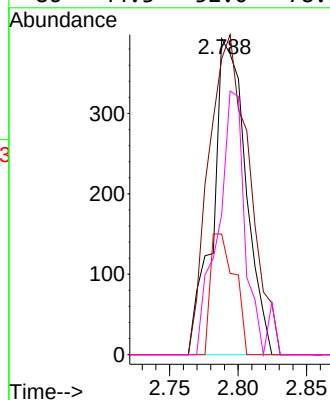


#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Instrument :
MSVOA_X
ClientSampleId :

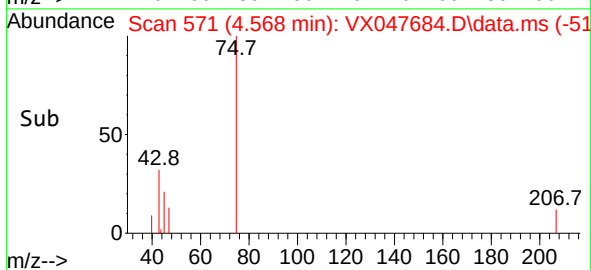
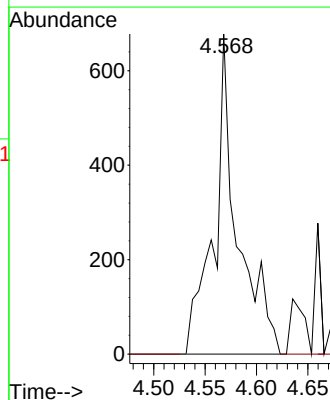
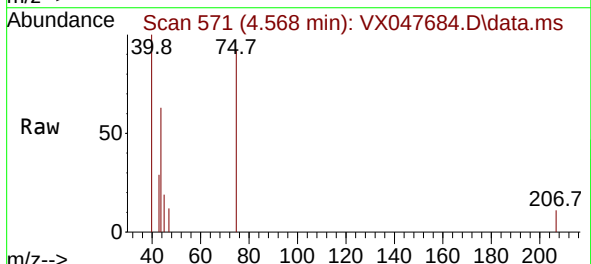


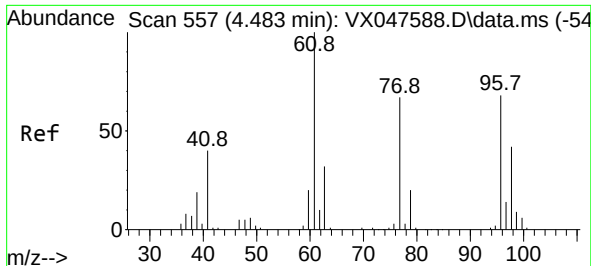
Tgt Ion:	84	Resp:	657
Ion	Ratio	Lower	Upper
84	100		
49	93.6	108.6	162.8#
51	38.2	32.6	48.8
86	44.3	52.0	78.0#



#25
2-Butanone
Concen: 0.720 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion:	43	Resp:	1071
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1#





#27

cis-1,2-Dichloroethene

Concen: 0.322 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

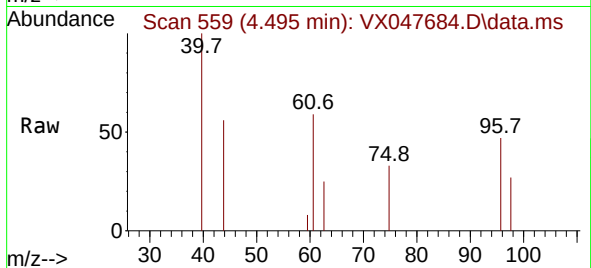
Lab File: VX047684.D

Acq: 19 Sep 2025 18:01

Instrument :

MSVOA_X

ClientSampleId :



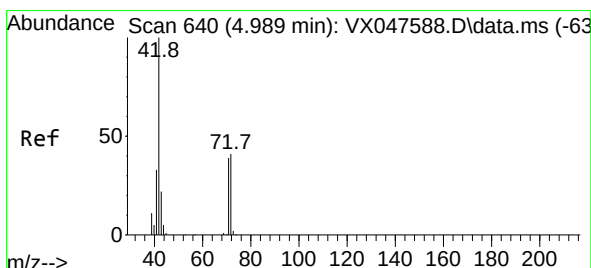
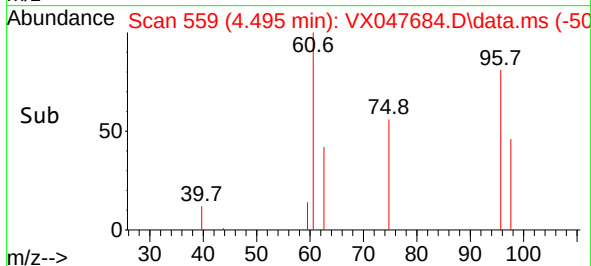
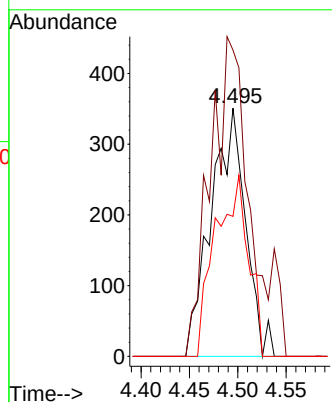
Tgt Ion: 96 Resp: 870

Ion Ratio Lower Upper

96 100

61 139.0 0.0 303.2

98 70.0 0.0 127.8



#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047684.D

Acq: 19 Sep 2025 18:01

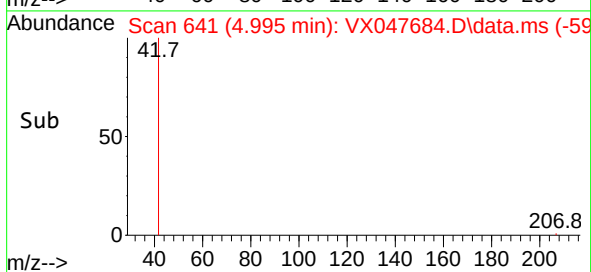
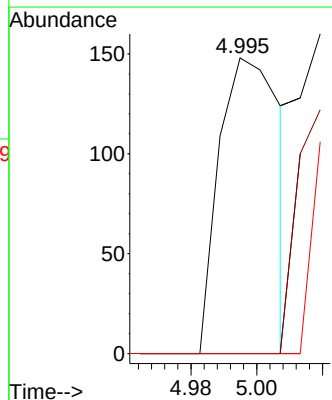
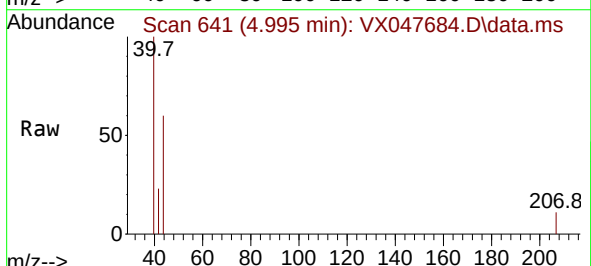
Tgt Ion: 42 Resp: 191

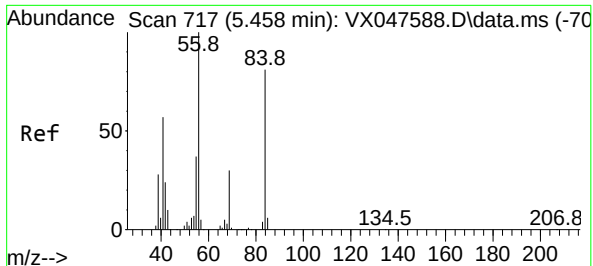
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

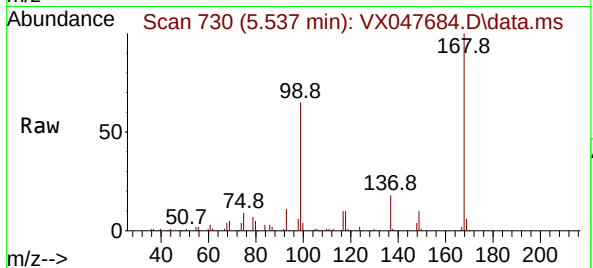
71 0.0 31.9 47.9#



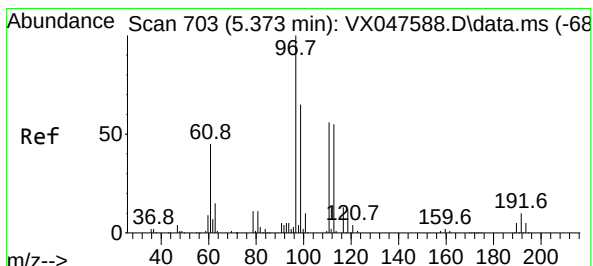
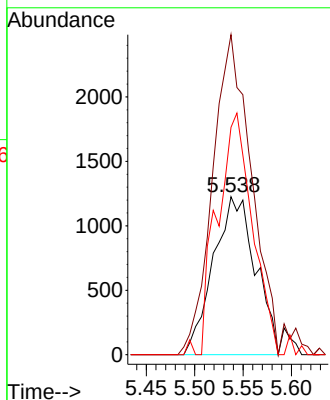
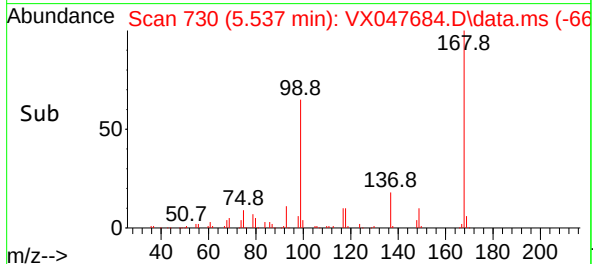


#31
Cyclohexane
Concen: 1.023 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Instrument :
MSVOA_X
ClientSampleId :

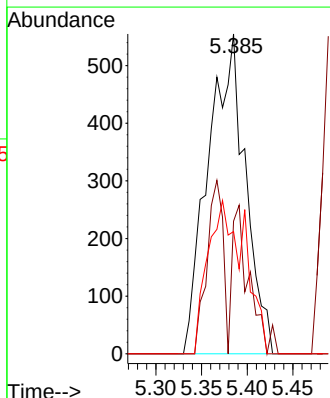
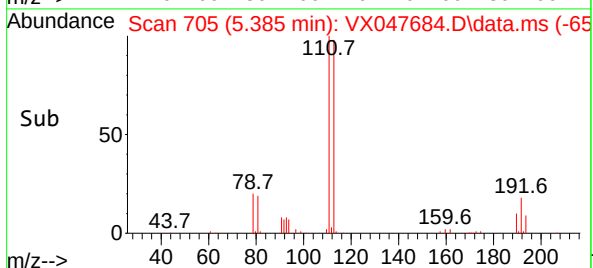
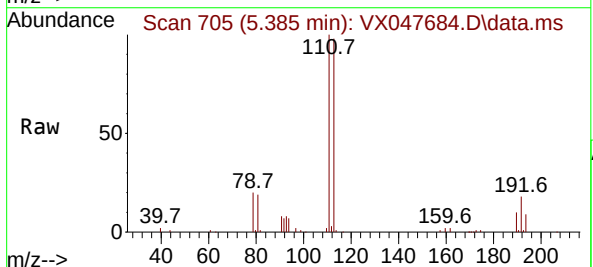


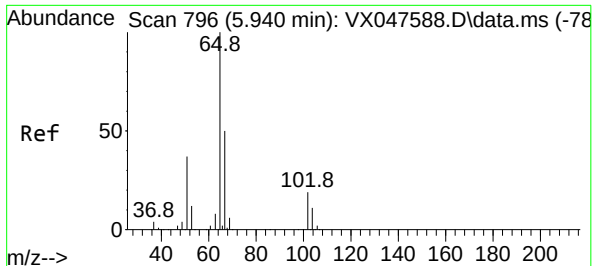
Tgt Ion: 56 Resp: 3710
Ion Ratio Lower Upper
56 100
69 202.5 23.8 35.8#
84 143.9 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.421 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion: 97 Resp: 1572
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 47.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 53.850 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047684.D

Acq: 19 Sep 2025 18:01

Instrument :

MSVOA_X

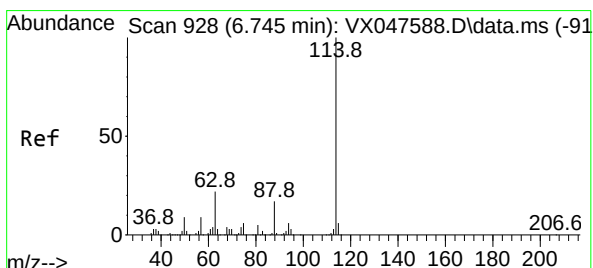
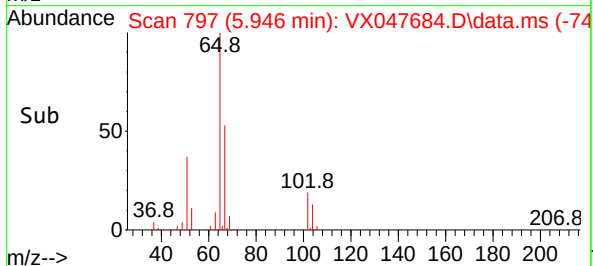
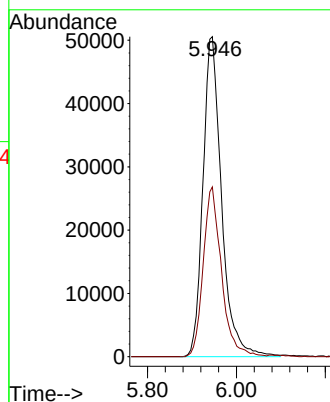
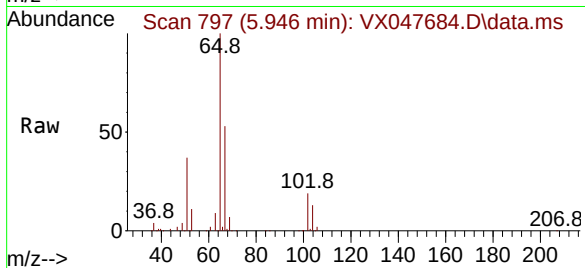
ClientSampleId :

Tgt Ion: 65 Resp: 147719

Ion Ratio Lower Upper

65 100

67 52.2 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: VX047684.D

Acq: 19 Sep 2025 18:01

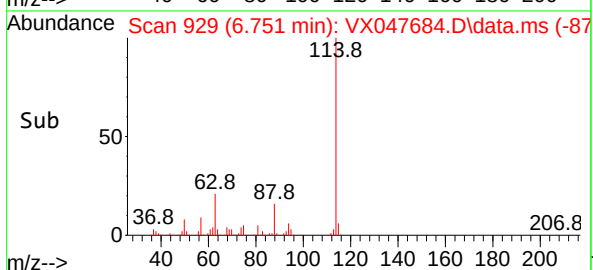
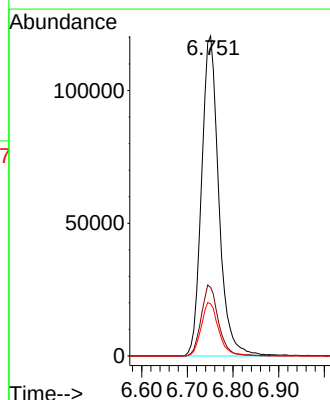
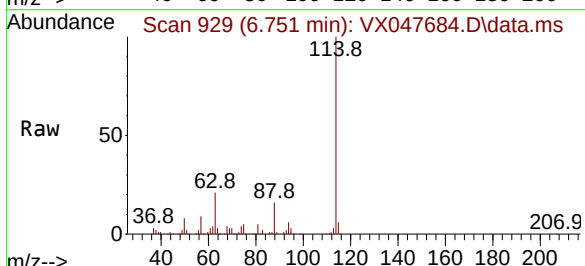
Tgt Ion: 114 Resp: 315489

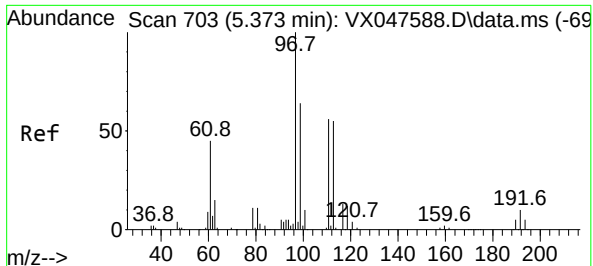
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

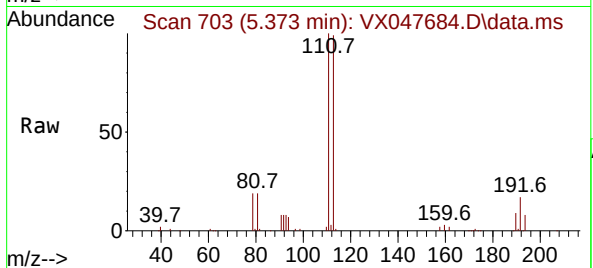
88 16.3 0.0 34.2



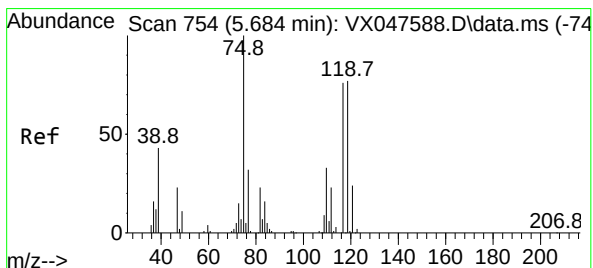
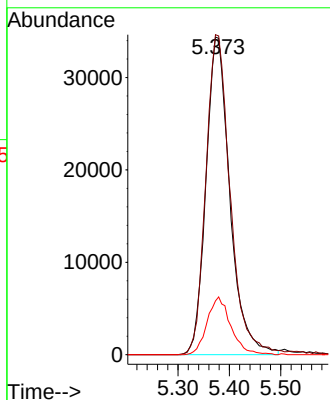
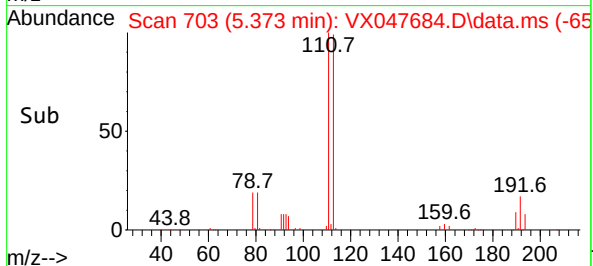


#35
Dibromofluoromethane
Concen: 52.593 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

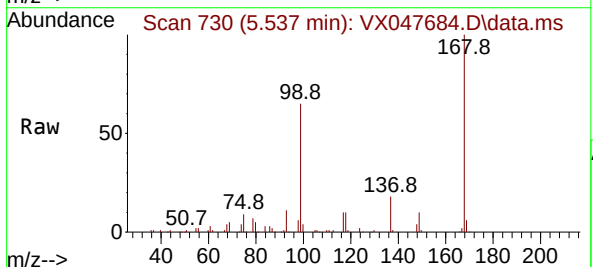
Instrument :
MSVOA_X
ClientSampleId :



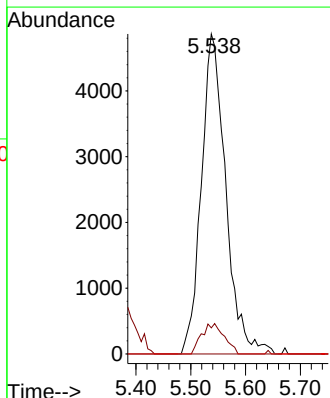
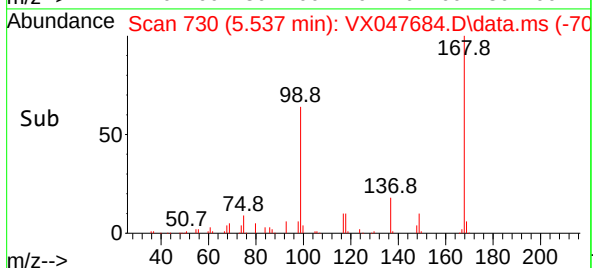
Tgt Ion:113 Resp: 111279
Ion Ratio Lower Upper
113 100
111 102.6 80.9 121.3
192 18.0 14.2 21.4

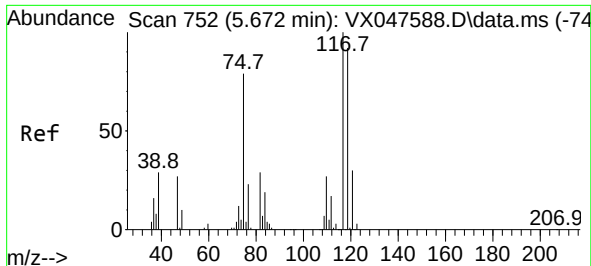


#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01



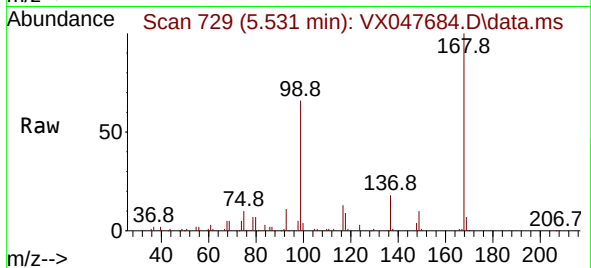
Tgt Ion: 75 Resp: 14999
Ion Ratio Lower Upper
75 100
110 8.8 16.7 50.1#
77 0.0 24.3 36.5#



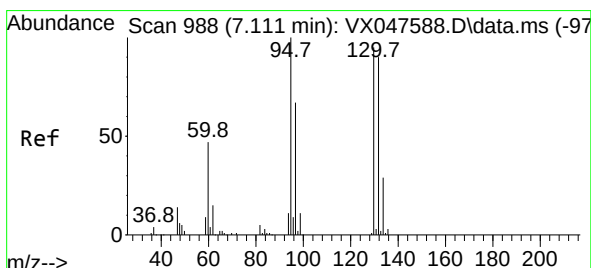
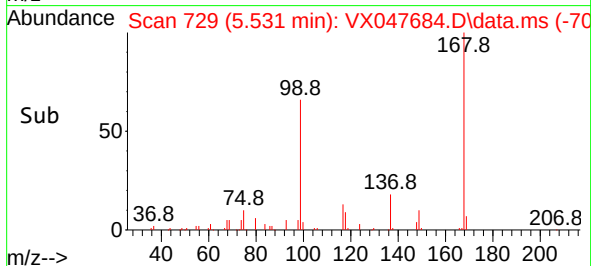
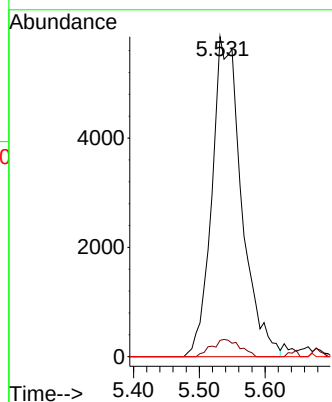


#38
Carbon Tetrachloride
Concen: 5.456 ug/l
RT: 5.531 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Instrument :
MSVOA_X
ClientSampleId :

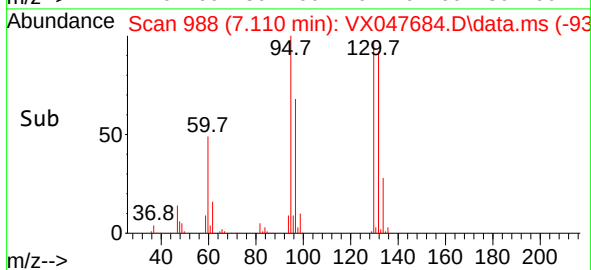
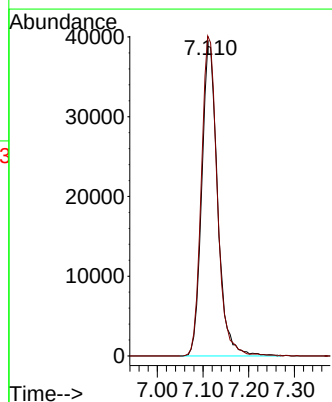
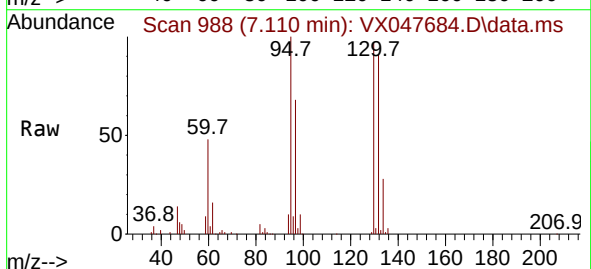


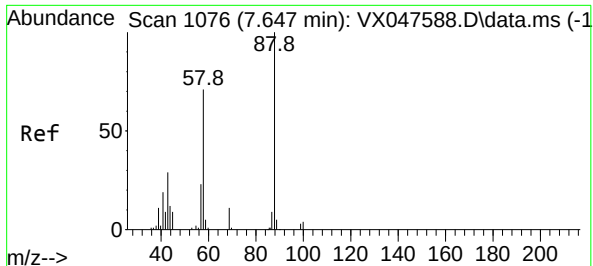
Tgt Ion:117 Resp: 18329
Ion Ratio Lower Upper
117 100
119 5.1 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 41.461 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion:130 Resp: 94127
Ion Ratio Lower Upper
130 100
95 103.3 0.0 210.8





#49

1,4-Dioxane

Concen: 2.964 ug/l

RT: 7.659 min Scan# 1076

Delta R.T. 0.012 min

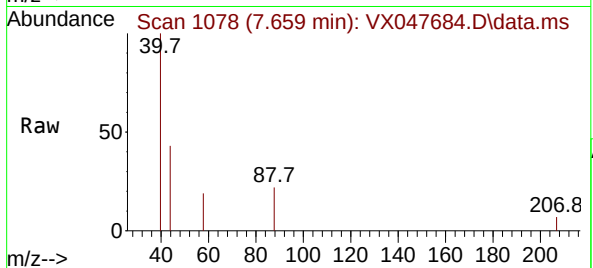
Lab File: VX047684.D

Acq: 19 Sep 2025 18:01

Instrument :

MSVOA_X

ClientSampleId :



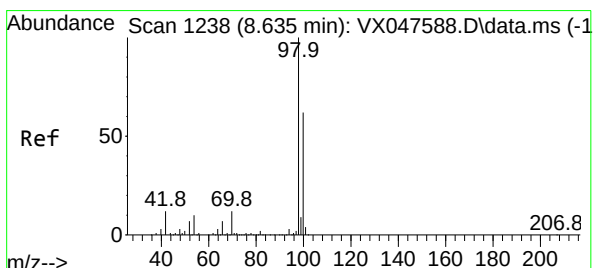
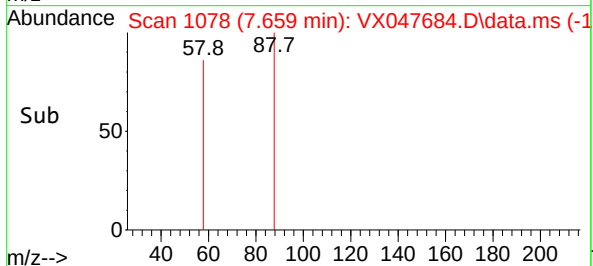
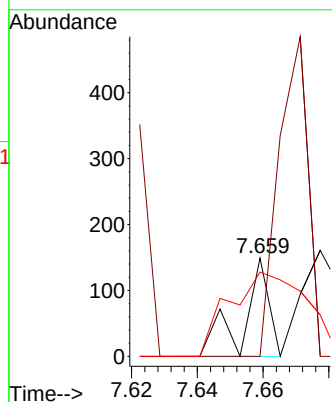
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.2#

58 280.2 59.5 89.3#



#50

Toluene-d8

Concen: 52.731 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047684.D

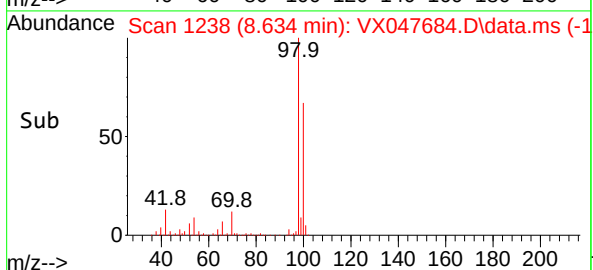
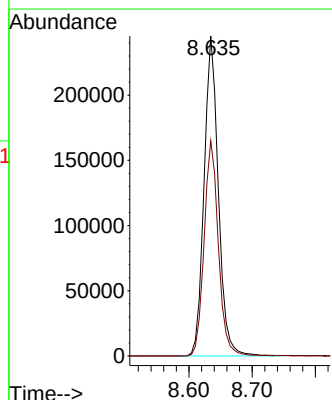
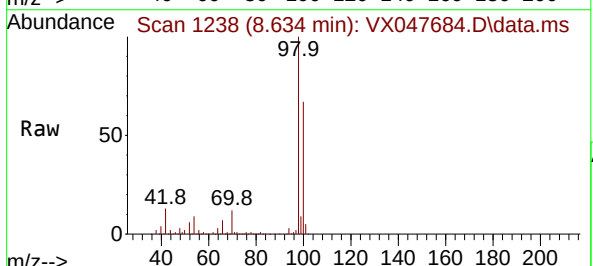
Acq: 19 Sep 2025 18:01

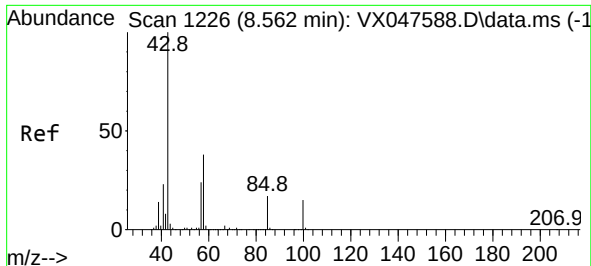
Tgt Ion: 98 Resp: 386055

Ion Ratio Lower Upper

98 100

100 67.1 53.0 79.4

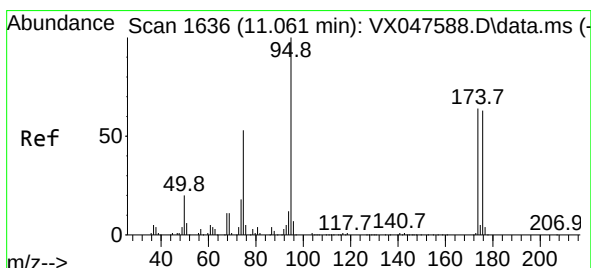
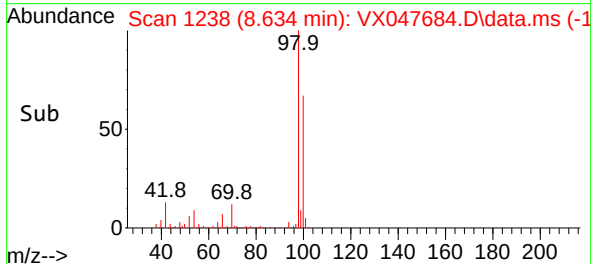
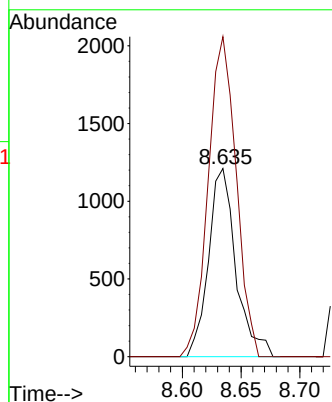
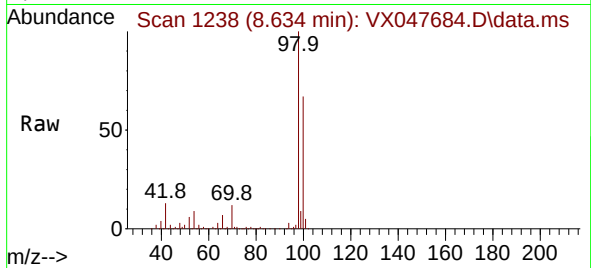




#51
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 8.634 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

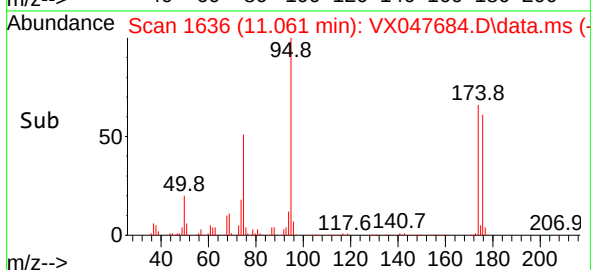
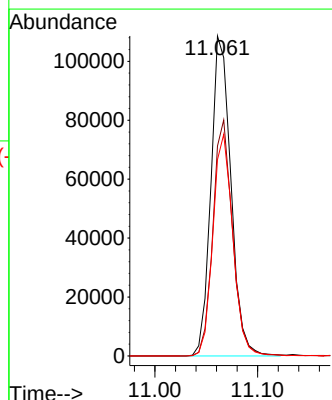
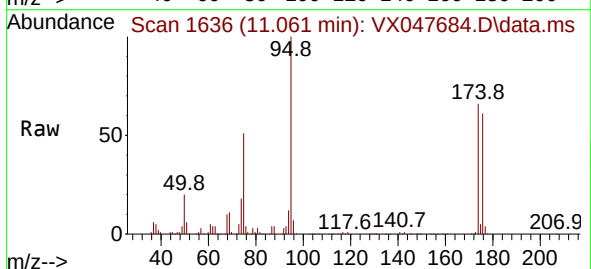
Instrument :
MSVOA_X
ClientSampleId :

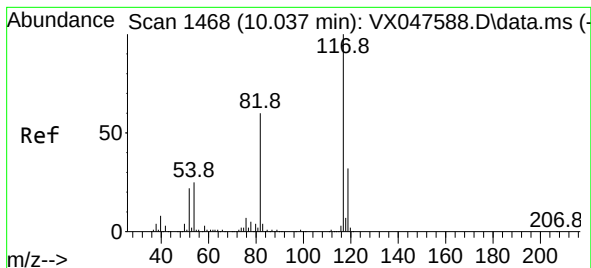
Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
58 173.2 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 52.781 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

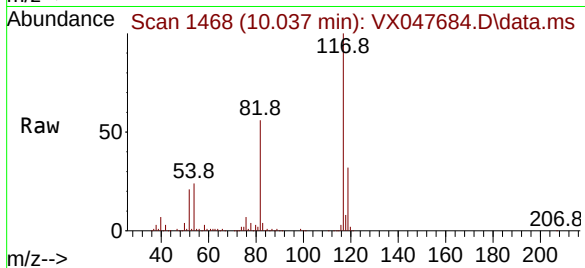
Tgt Ion: 95 Resp: 146653
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.6
176 69.4 0.0 138.4



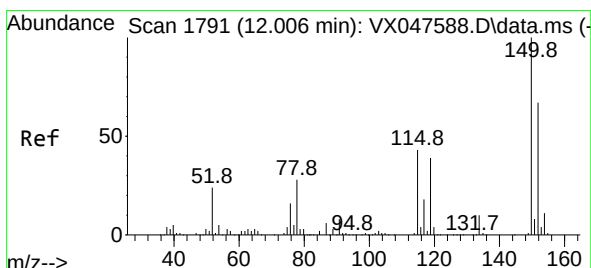
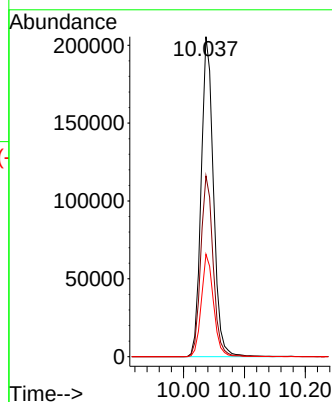
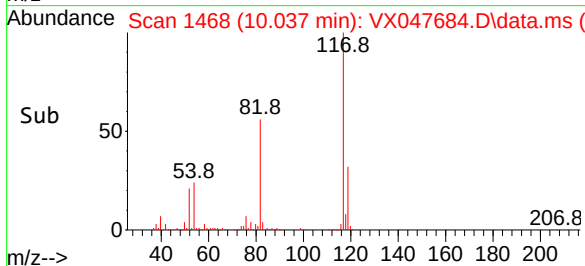


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

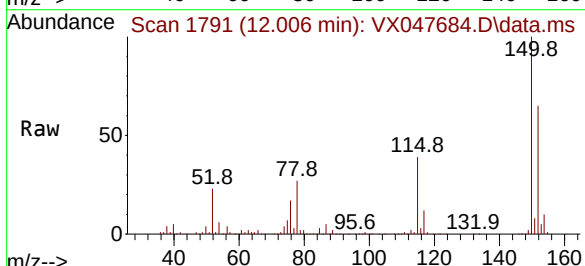
Instrument :
MSVOA_X
ClientSampleId :



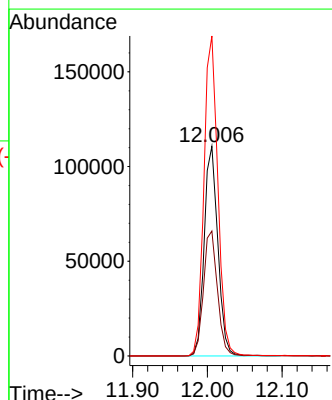
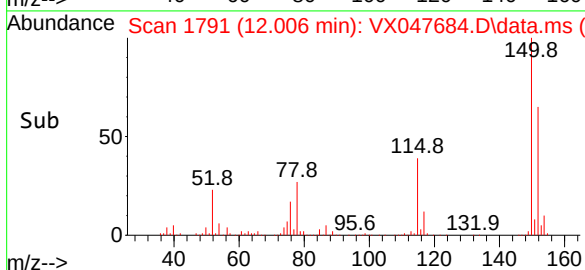
Tgt Ion:117 Resp: 287627
Ion Ratio Lower Upper
117 100
82 56.5 47.8 71.6
119 32.0 25.2 37.8

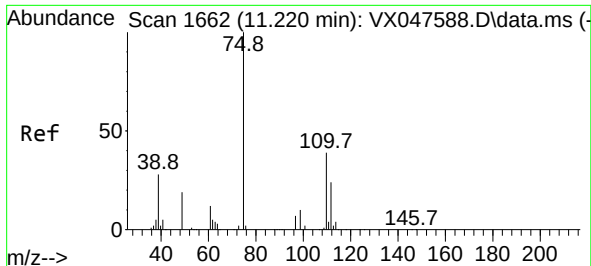


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01



Tgt Ion:152 Resp: 140501
Ion Ratio Lower Upper
152 100
115 61.1 44.9 134.5
150 155.3 0.0 352.0

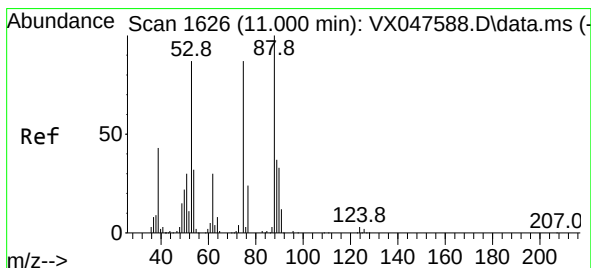
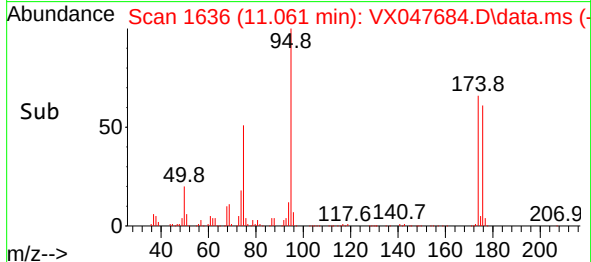
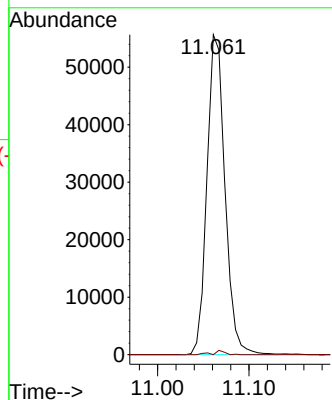
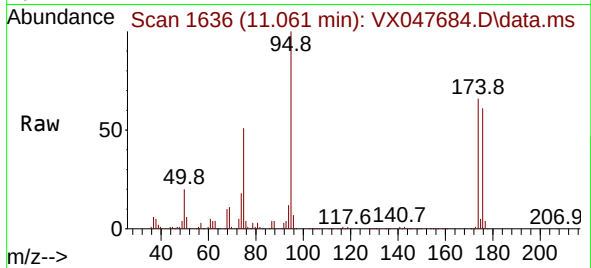




#76
1,2,3-Trichloropropane
Concen: 26.711 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 75985
Ion Ratio Lower Upper
75 100
77 0.9 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.117 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047684.D
Acq: 19 Sep 2025 18:01

Tgt Ion: 75 Resp: 75985
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

