

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047866.D
 Acq On : 26 Sep 2025 17:54
 Operator : JC/MD
 Sample : Q3156-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT191D2-20250918

Quant Time: Sep 26 23:19:31 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	119066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	251871	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-10.04
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-12.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103529	54.626	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.260%
35) Dibromofluoromethane	5.373	113	84146	49.815	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.620%
50) Toluene-d8	8.860	98	276458	47.299	ug/l	0.23
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.600%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

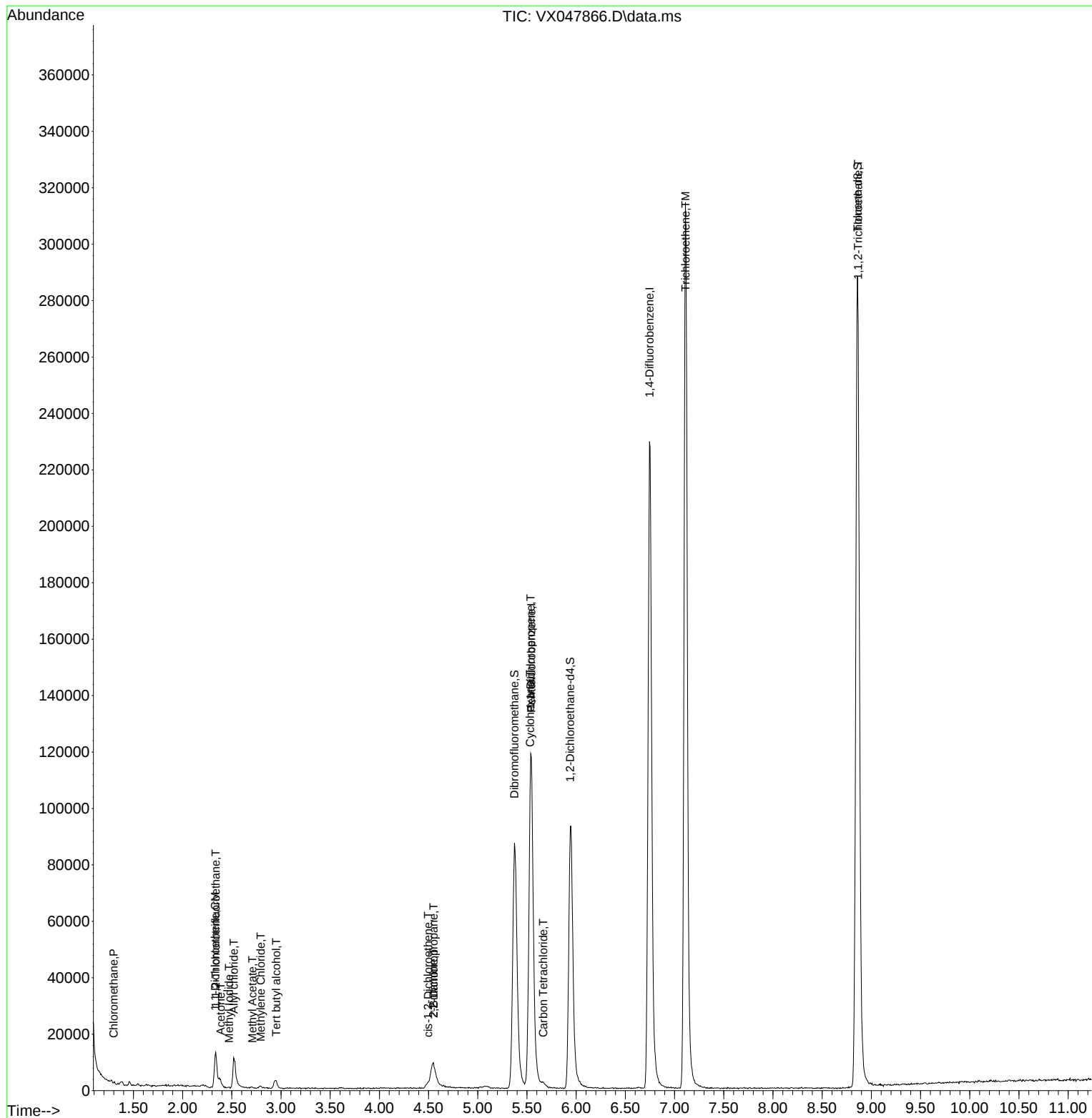
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	383	0.236	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.337	101	4697	3.411	ug/l	96
10) Methyl Iodide	2.471	142	451	0.210	ug/l #	79
11) Tert butyl alcohol	2.953	59	1674	7.931	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1160	0.820	ug/l	92
14) Allyl chloride	2.520	41	1462	0.501	ug/l #	81
16) Acetone	2.386	43	3930	4.769	ug/l #	89
18) Methyl Acetate	2.709	43	428	0.233	ug/l #	54
20) Methylene Chloride	2.794	84	373	0.214	ug/l #	49
25) 2-Butanone	4.550	43	483	0.470	ug/l #	50
26) 2,2-Dichloropropane	4.550	77	655	0.262	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	1014	0.544	ug/l	77
31) Cyclohexane	5.531	56	2738	1.093	ug/l #	25
36) 1,1-Dichloropropene	5.538	75	10425	4.224	ug/l #	50
38) Carbon Tetrachloride	5.666	117	1299	0.484	ug/l #	73
44) Trichloroethene	7.110	130	132018	72.839	ug/l	97
55) 1,1,2-Trichloroethane	8.866	97	7823	4.393	ug/l #	1

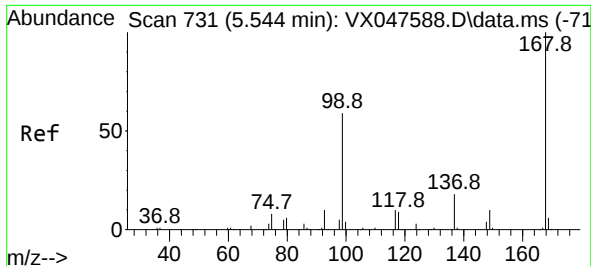
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
Data File : VX047866.D
Acq On : 26 Sep 2025 17:54
Operator : JC/MD
Sample : Q3156-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

Quant Time: Sep 26 23:19:31 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

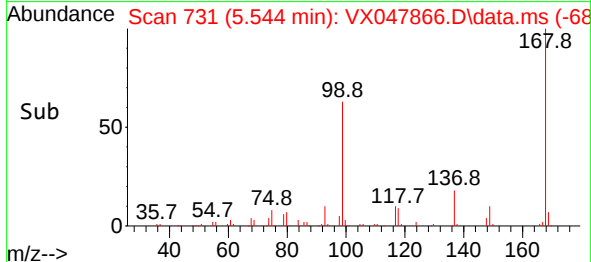
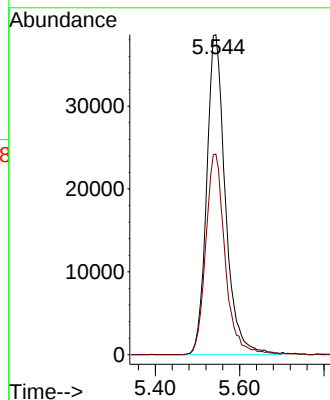
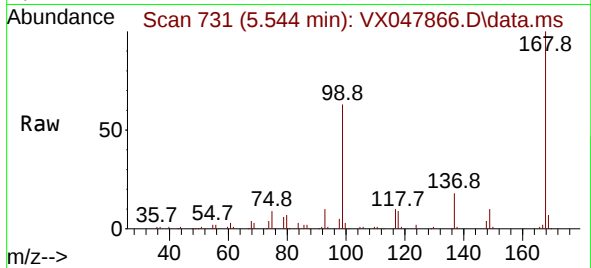




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

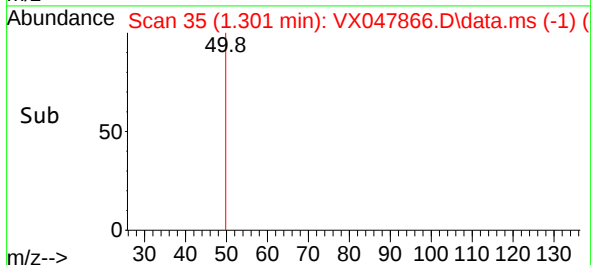
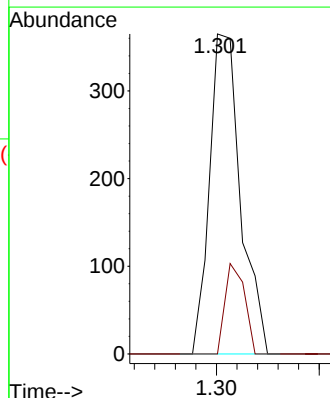
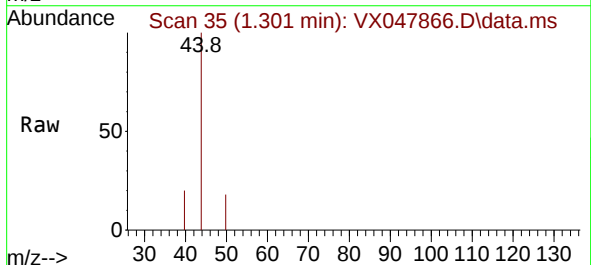
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

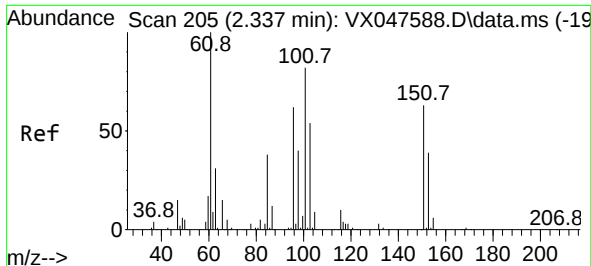
Tgt Ion:168 Resp: 119066
Ion Ratio Lower Upper
168 100
99 62.7 48.8 73.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

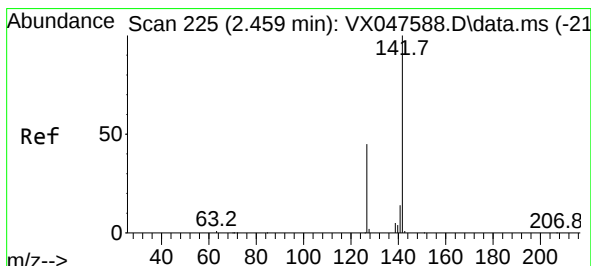
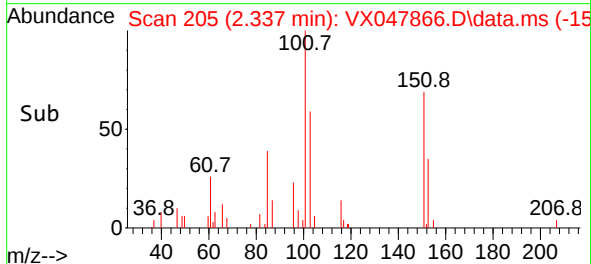
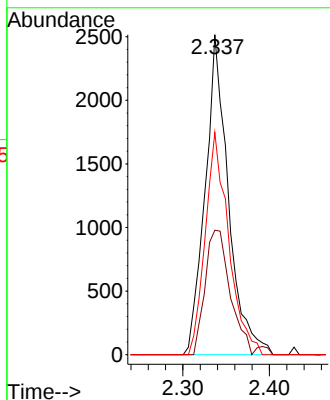
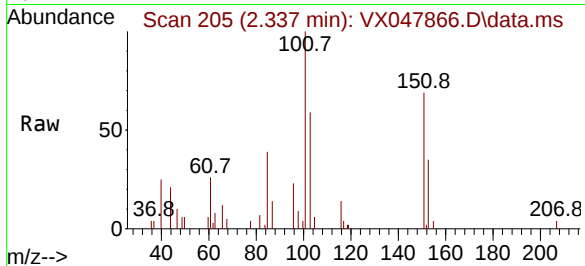




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.411 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

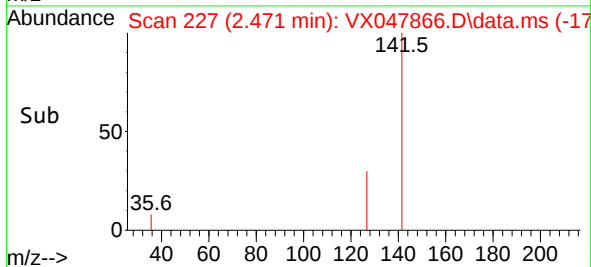
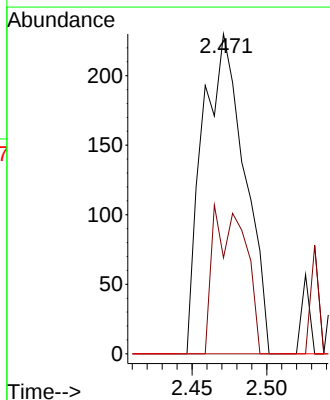
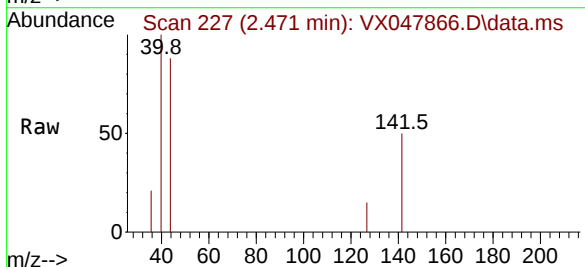
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

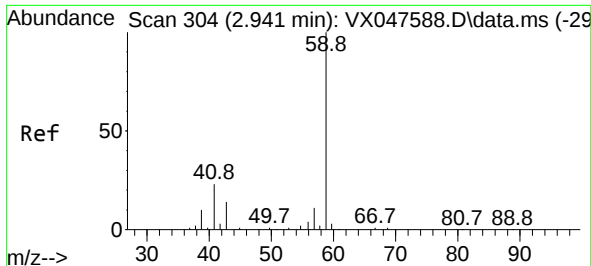
Tgt Ion:	101	Resp:	4697
Ion	Ratio	Lower	Upper
101	100		
85	42.3	35.5	53.3
151	70.0	59.4	89.0



#10
Methyl Iodide
Concen: 0.210 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Tgt Ion:	142	Resp:	451
Ion	Ratio	Lower	Upper
142	100		
127	35.0	37.2	55.8#
141	0.0	11.4	17.0#

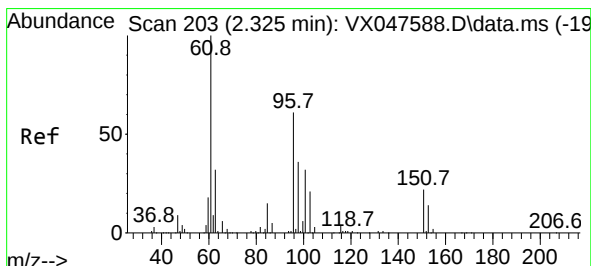
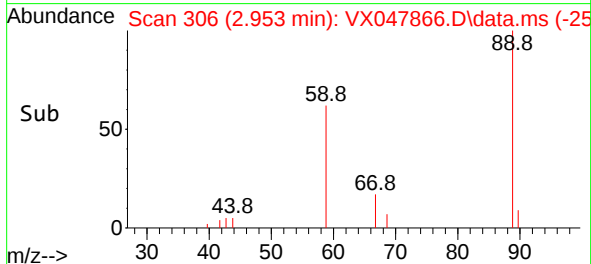
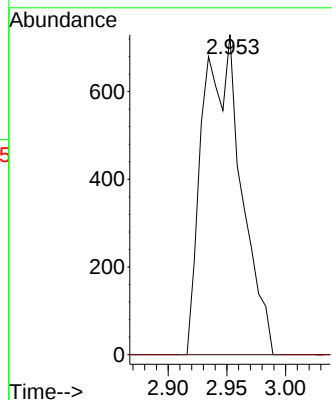
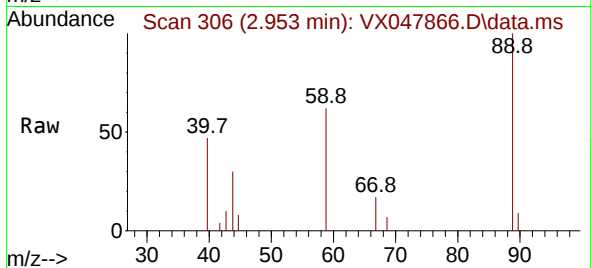




#11
Tert butyl alcohol
Concen: 7.931 ug/l
RT: 2.953 min Scan# 304
Delta R.T. 0.012 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

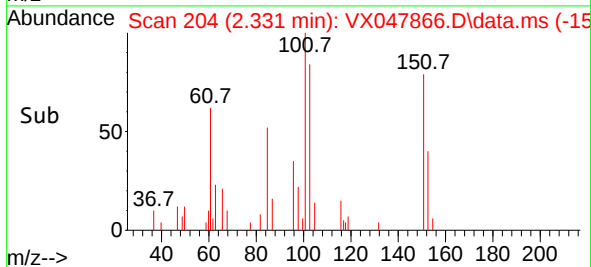
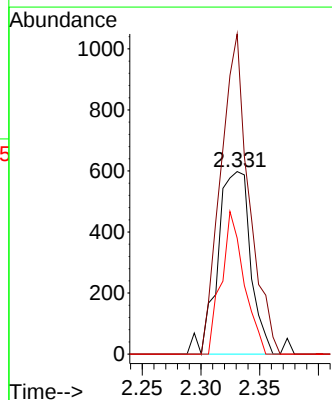
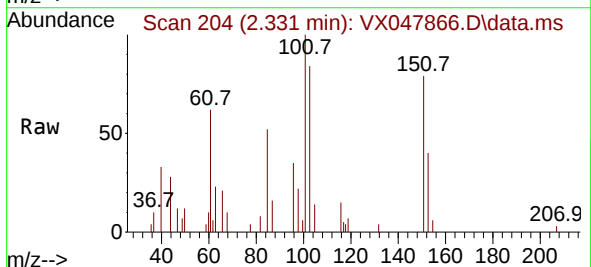
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

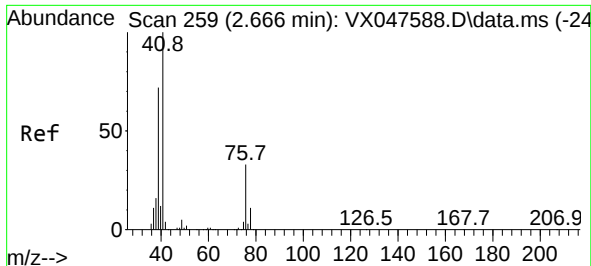
Tgt Ion: 59 Resp: 1674
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.820 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

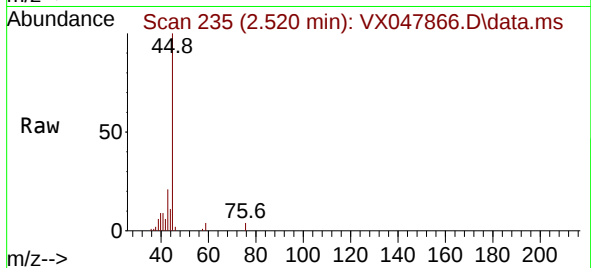
Tgt Ion: 96 Resp: 1160
Ion Ratio Lower Upper
96 100
61 175.4 131.0 196.6
98 63.5 47.7 71.5



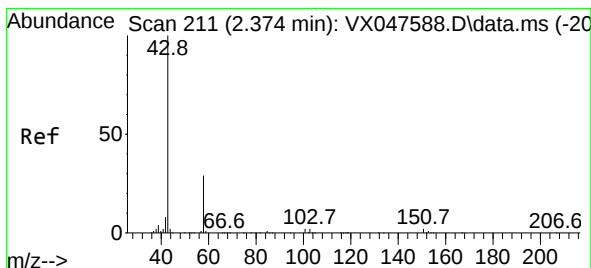
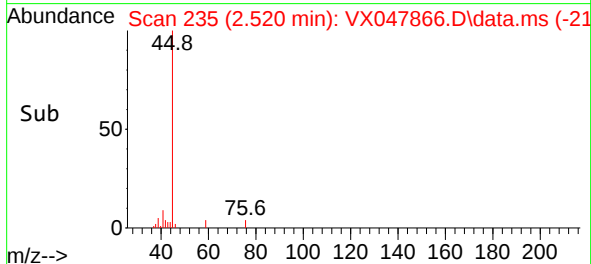
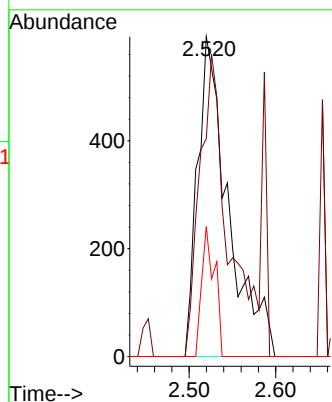


#14
 Allyl chloride
 Concen: 0.501 ug/l
 RT: 2.520 min Scan# 213
 Delta R.T. -0.146 min
 Lab File: VX047866.D
 Acq: 26 Sep 2025 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TT191D2-20250918

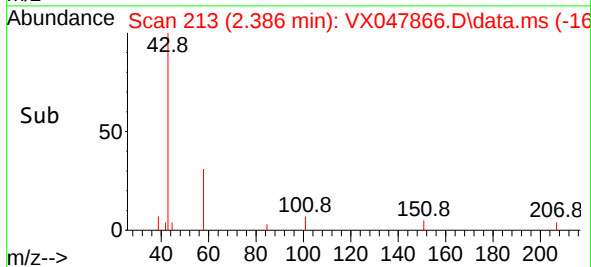
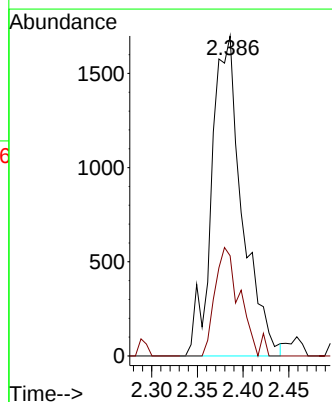
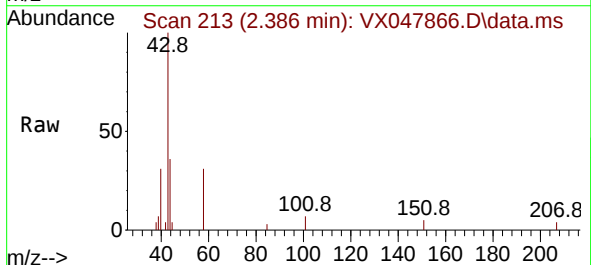


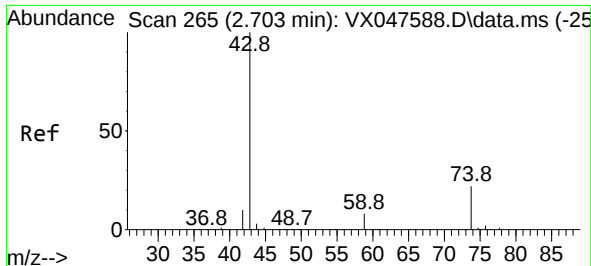
Tgt Ion: 41 Resp: 1462
 Ion Ratio Lower Upper
 41 100
 39 81.3 54.7 82.1
 76 17.2 25.7 38.5#



#16
 Acetone
 Concen: 4.769 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.012 min
 Lab File: VX047866.D
 Acq: 26 Sep 2025 17:54

Tgt Ion: 43 Resp: 3930
 Ion Ratio Lower Upper
 43 100
 58 23.1 23.4 35.0#

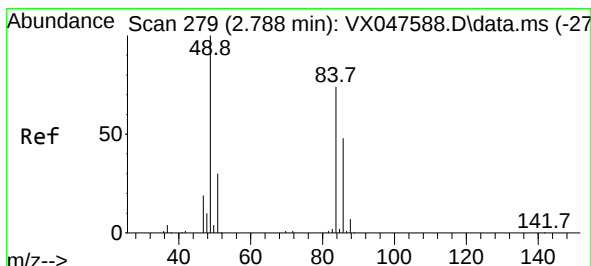
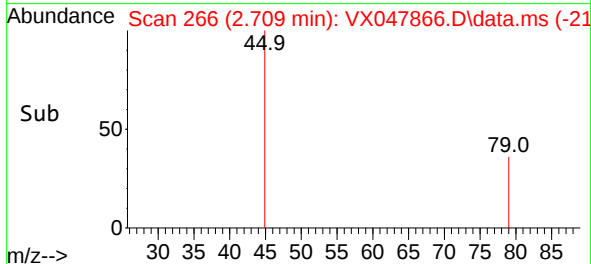
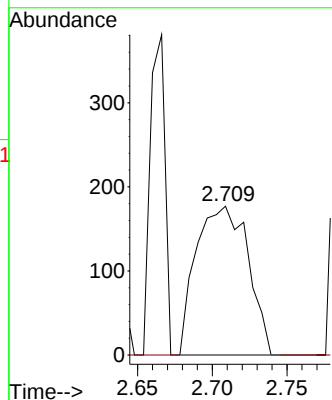
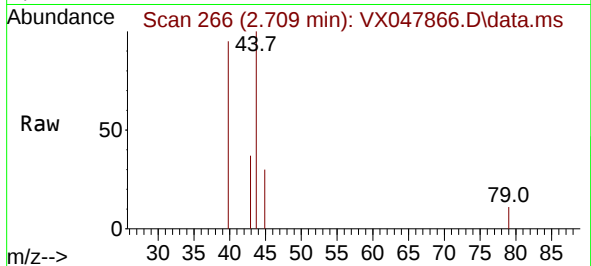




#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

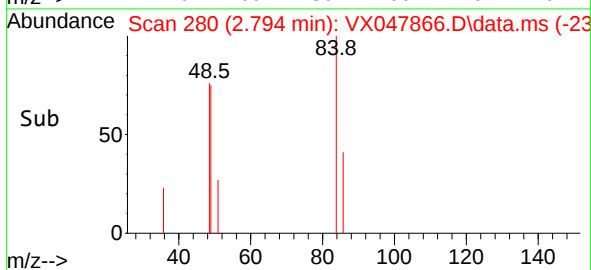
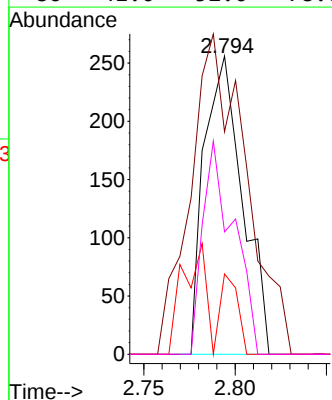
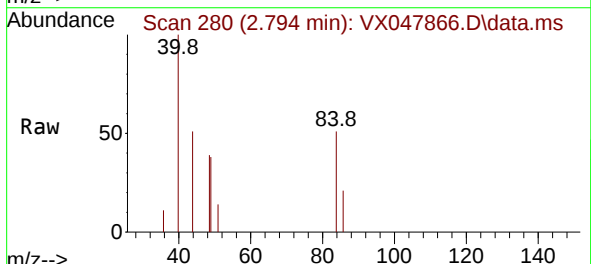
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

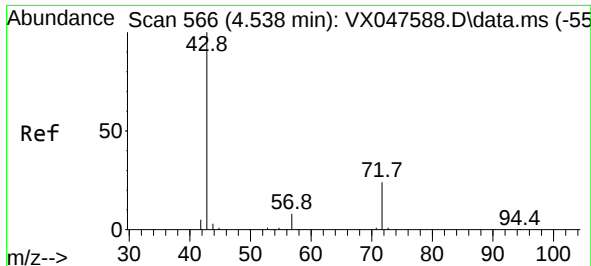
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Tgt Ion: 84 Resp: 373
Ion Ratio Lower Upper
84 100
49 52.0 108.6 162.8#
51 27.0 32.6 48.8#
86 41.0 52.0 78.0#





#25

2-Butanone

Concen: 0.470 ug/l

RT: 4.550 min Scan# 566

Delta R.T. 0.012 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

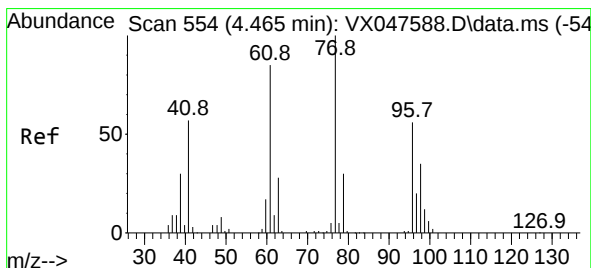
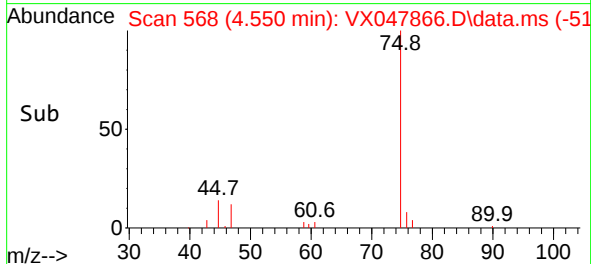
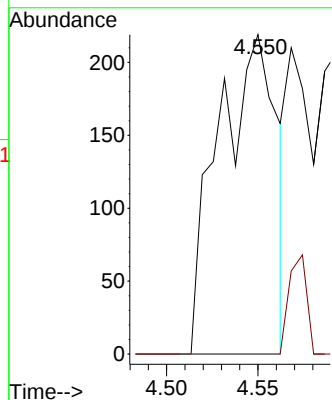
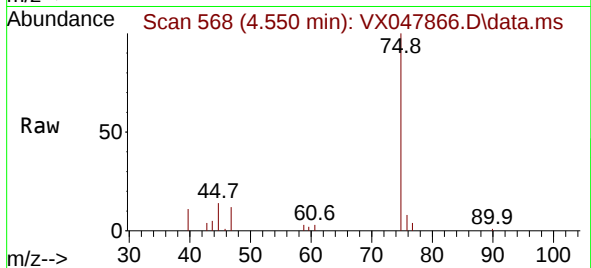
TT191D2-20250918

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 0.262 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.085 min

Lab File: VX047866.D

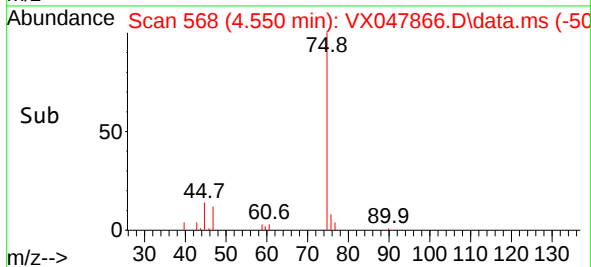
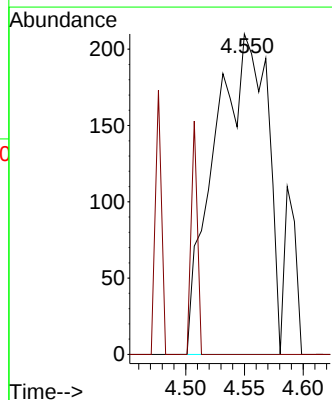
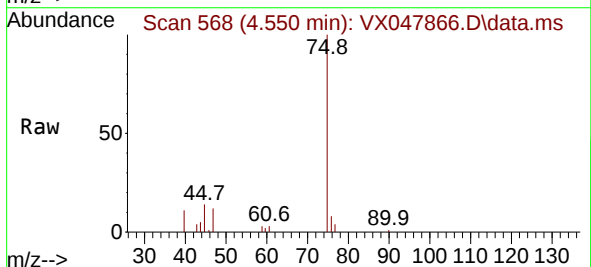
Acq: 26 Sep 2025 17:54

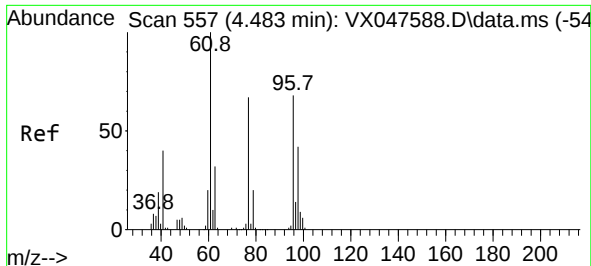
Tgt Ion: 77 Resp: 655

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#





#27

cis-1,2-Dichloroethene

Concen: 0.544 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX047866.D

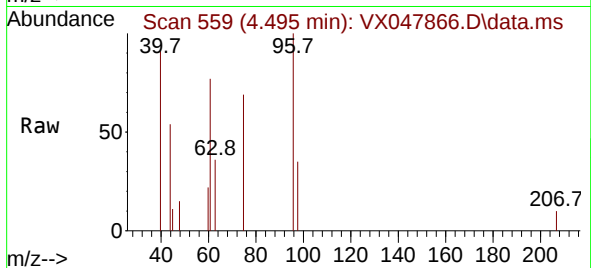
Acq: 26 Sep 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918



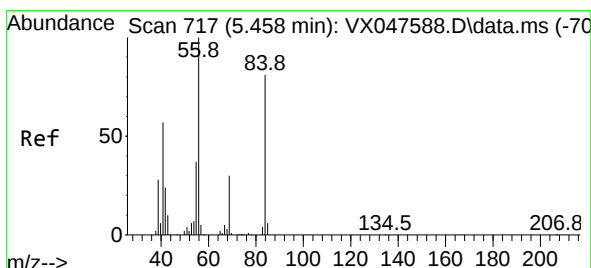
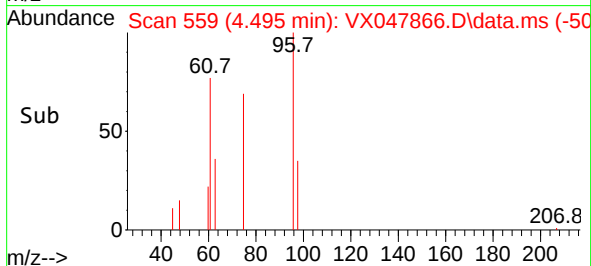
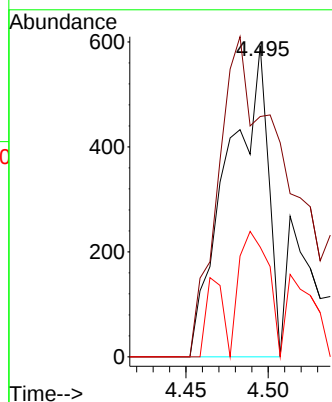
Tgt Ion: 96 Resp: 1014

Ion Ratio Lower Upper

96 100

61 170.0 0.0 303.2

98 29.3 0.0 127.8



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

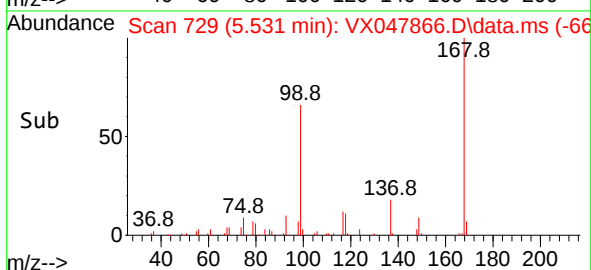
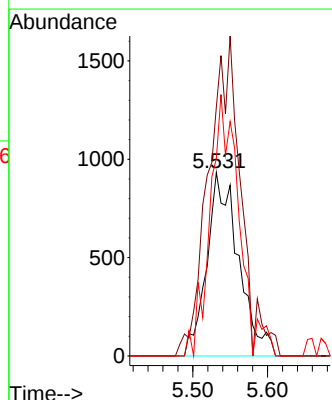
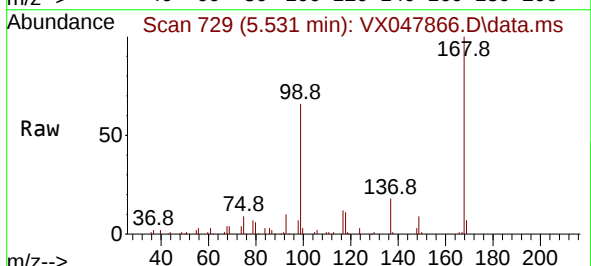
Tgt Ion: 56 Resp: 2738

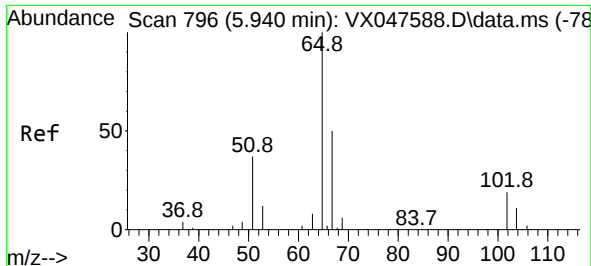
Ion Ratio Lower Upper

56 100

69 135.8 23.8 35.8#

84 107.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.626 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

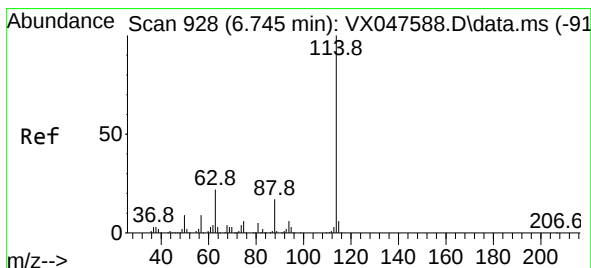
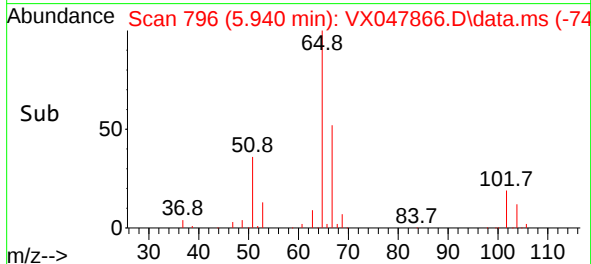
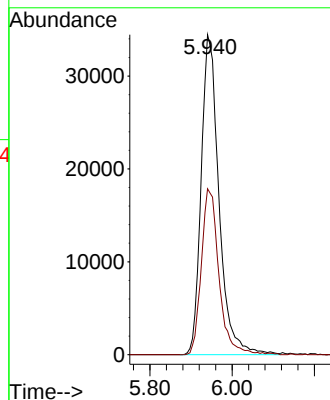
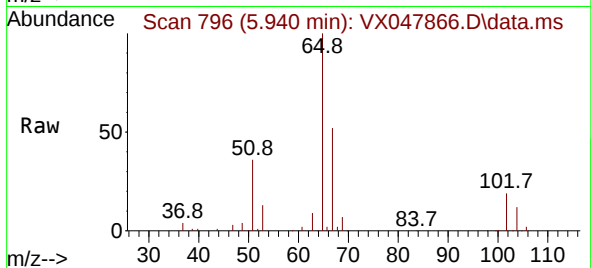
TT191D2-20250918

Tgt Ion: 65 Resp: 103529

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

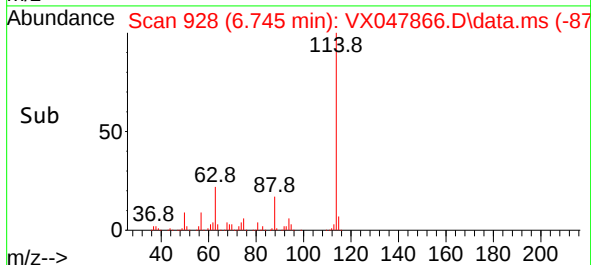
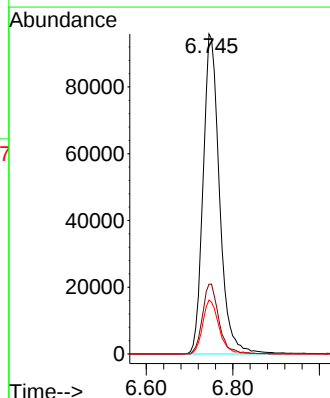
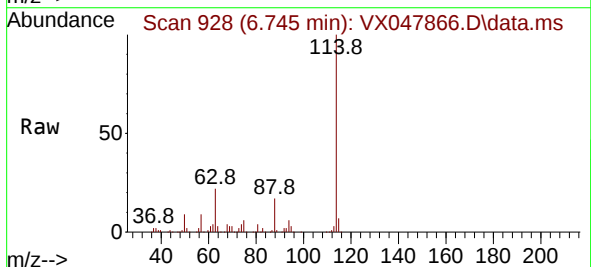
Tgt Ion: 114 Resp: 251871

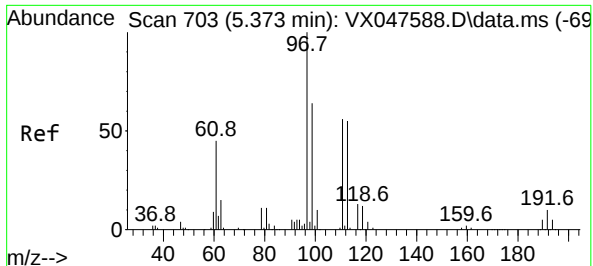
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.815 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20250918

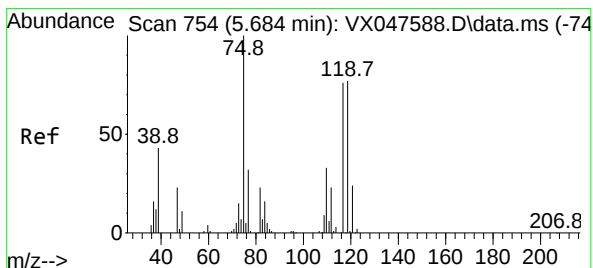
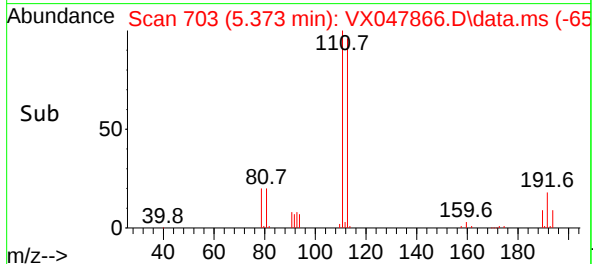
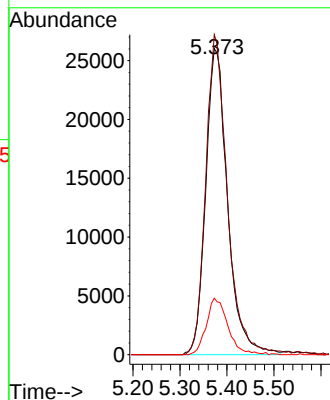
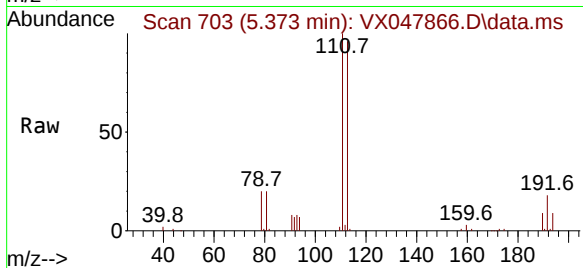
Tgt Ion:113 Resp: 84146

Ion Ratio Lower Upper

113 100

111 103.5 80.9 121.3

192 18.3 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047866.D

Acq: 26 Sep 2025 17:54

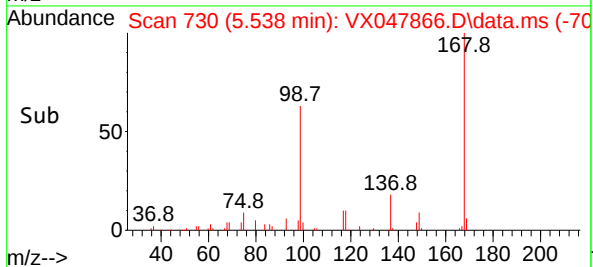
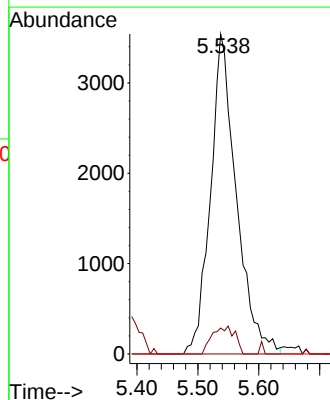
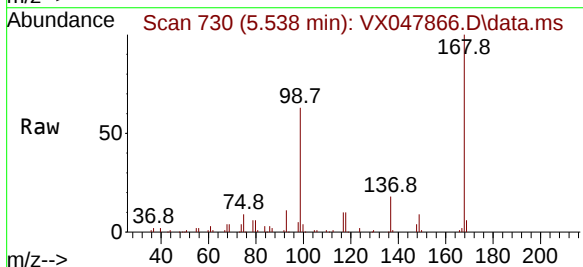
Tgt Ion: 75 Resp: 10425

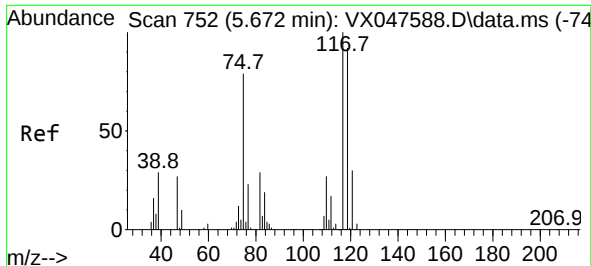
Ion Ratio Lower Upper

75 100

110 7.6 16.7 50.1#

77 0.0 24.3 36.5#

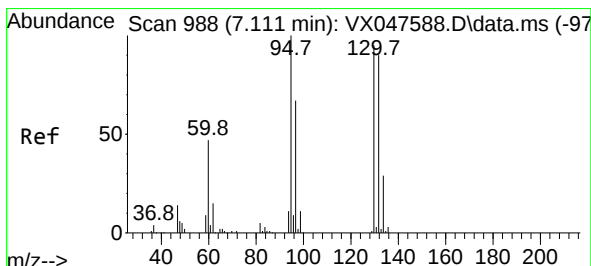
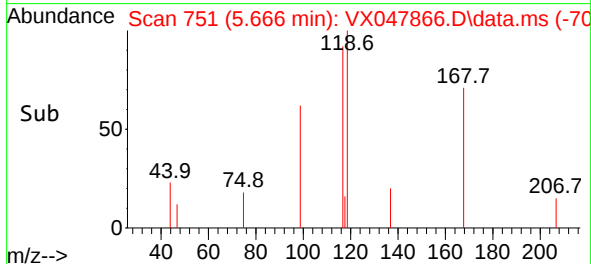
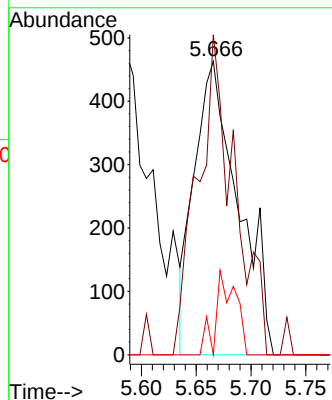
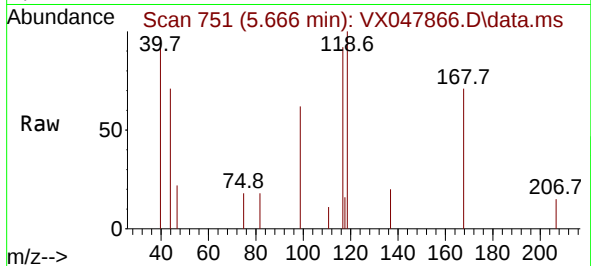




#38
Carbon Tetrachloride
Concen: 0.484 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

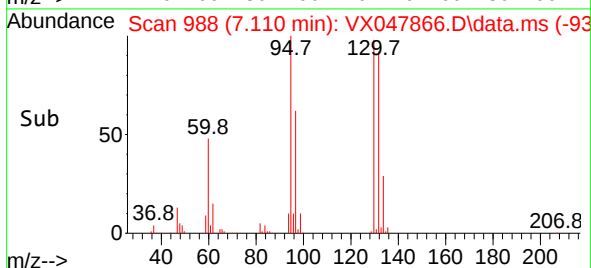
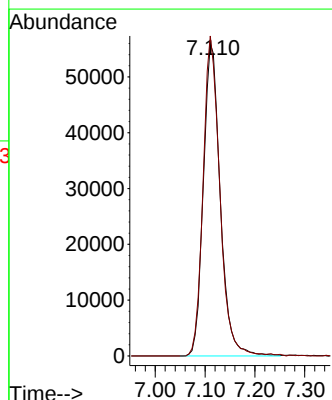
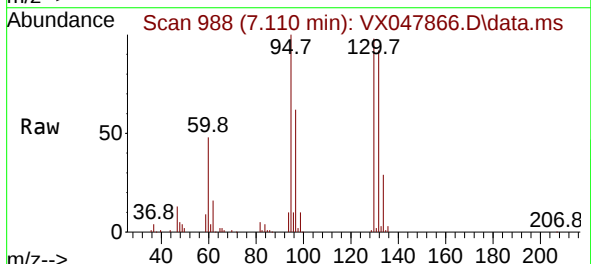
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

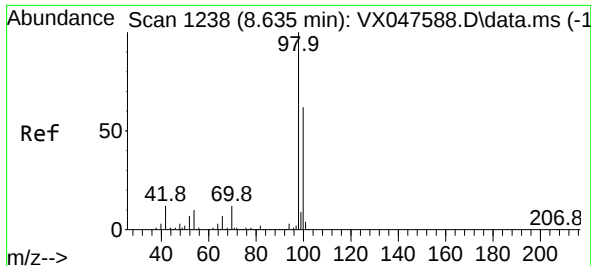
Tgt Ion:117 Resp: 1299
Ion Ratio Lower Upper
117 100
119 109.1 73.4 110.2
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 72.839 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Tgt Ion:130 Resp: 132018
Ion Ratio Lower Upper
130 100
95 102.4 0.0 210.8

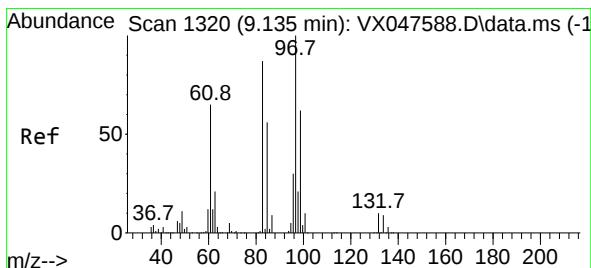
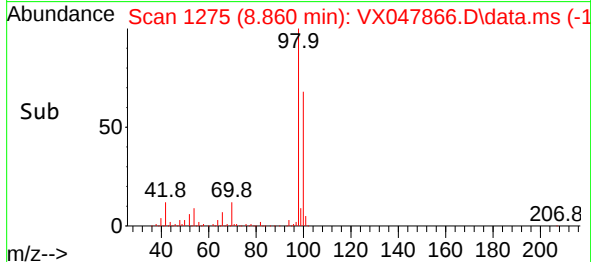
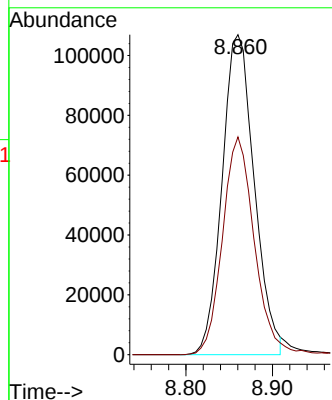
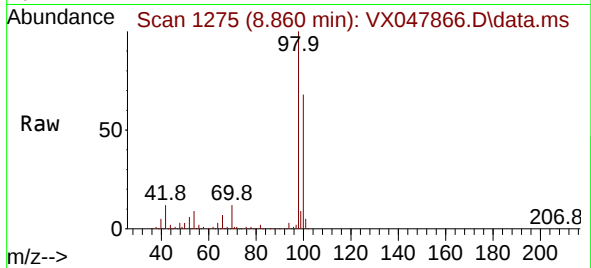




#50
Toluene-d8
Concen: 47.299 ug/l
RT: 8.860 min Scan# 11
Delta R.T. 0.225 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

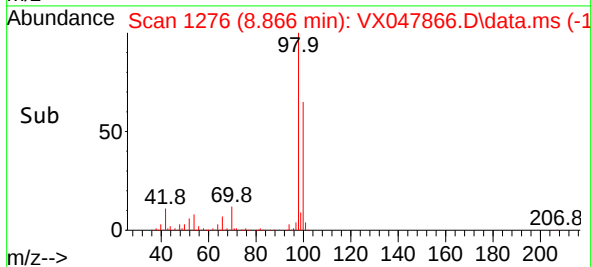
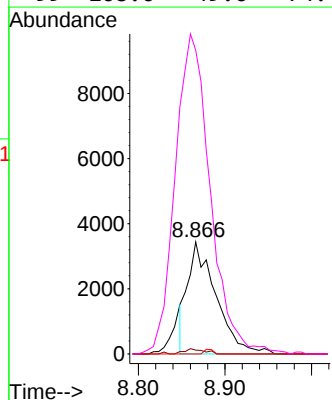
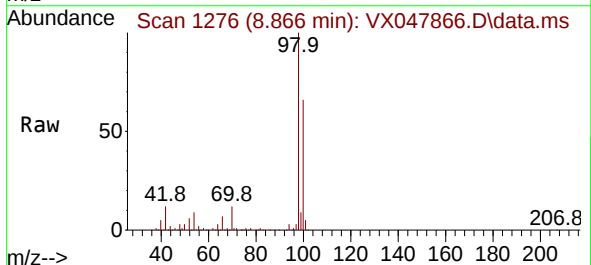
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

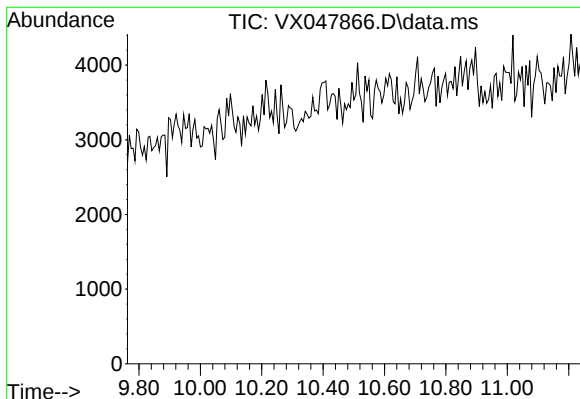
Tgt Ion: 98 Resp: 276458
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 4.393 ug/l
RT: 8.866 min Scan# 1276
Delta R.T. -0.268 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Tgt Ion: 97 Resp: 7823
Ion Ratio Lower Upper
97 100
83 3.5 69.6 104.4#
85 0.0 45.0 67.6#
99 268.6 49.6 74.4#

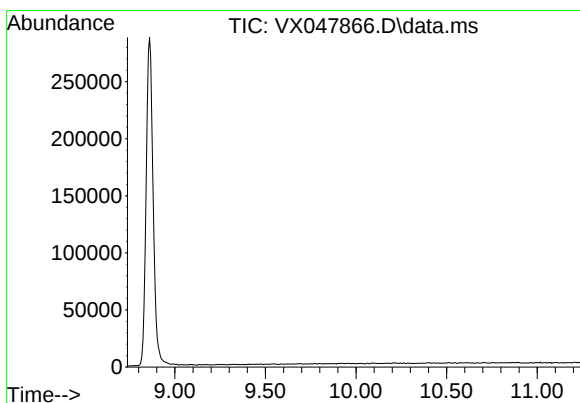
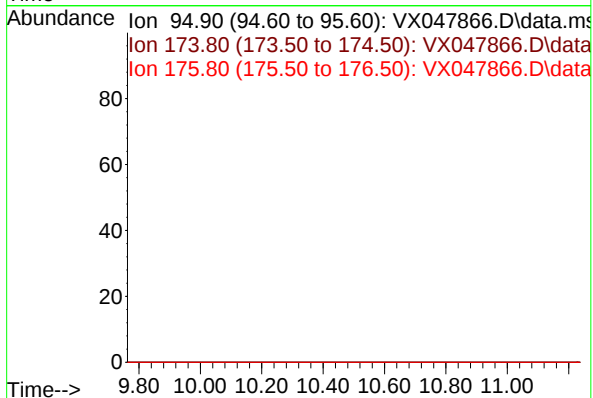




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.06 min
 Lab File: VX047866.D
 Acq: 26 Sep 2025 17:54

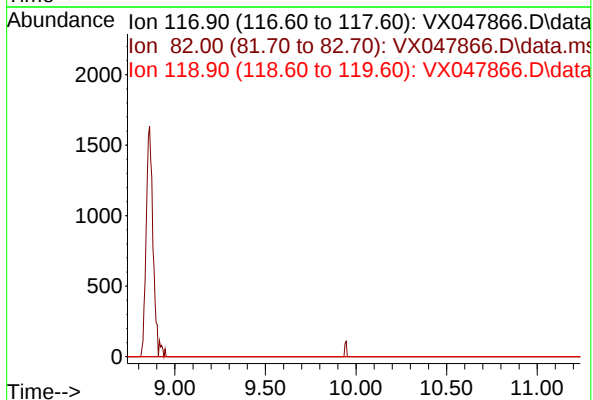
Instrument :
 MSVOA_X
 ClientSampleId :
 TT191D2-20250918

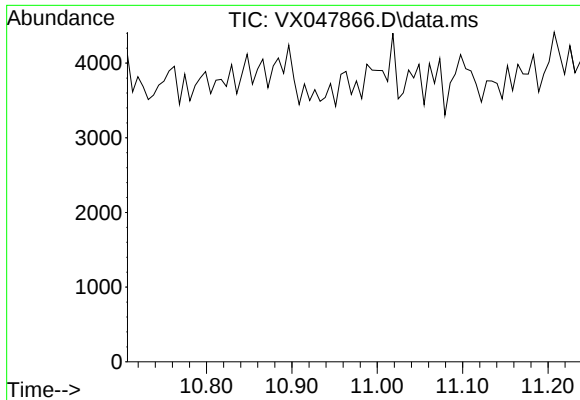
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 70.8
 176 69.2



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 10.04 min
 Lab File: VX047866.D
 Acq: 26 Sep 2025 17:54

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 59.7
 119 31.5





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.01 min
Lab File: VX047866.D
Acq: 26 Sep 2025 17:54

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250918

Tgt Ion: 152
Sig Exp Ratio
152 100
115 89.7
150 176.0

