

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047742.D
 Acq On : 23 Sep 2025 18:18
 Operator : JC/MD
 Sample : Q3097-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20250912

Quant Time: Sep 24 01:38:04 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)

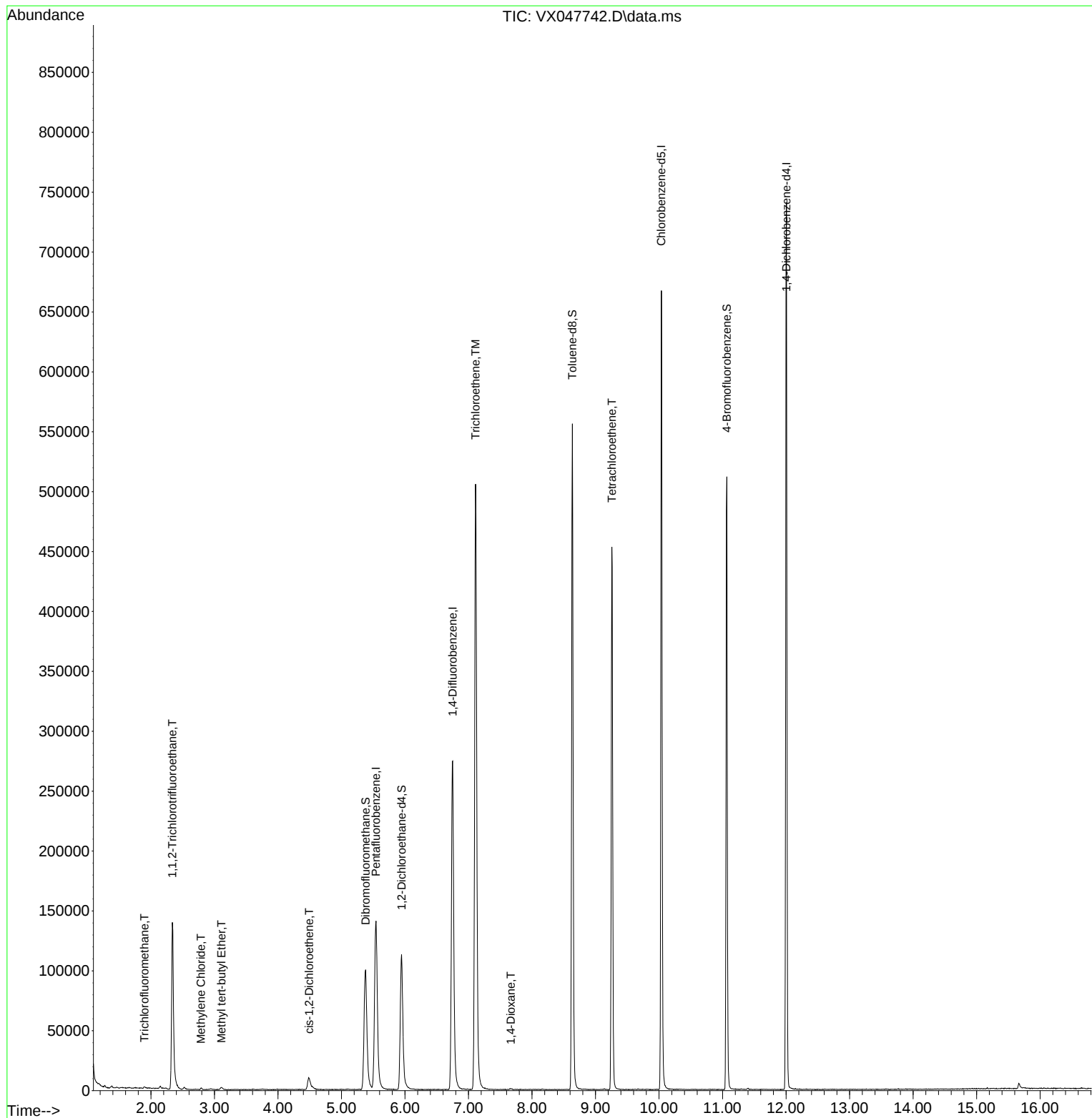
Internal Standards						
1) Pentafluorobenzene	5.544	168	144829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	302539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	155005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120988	52.482	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.960%	
35) Dibromofluoromethane	5.379	113	99412	48.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	8.635	98	340487	48.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	11.067	95	146947	55.150	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.300%	
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.898	101	742	0.259	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	65221	38.934	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	2090	0.333	ug/l	91
20) Methylene Chloride	2.788	84	607	0.286	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	7569	3.336	ug/l	84
44) Trichloroethene	7.110	130	213493	98.064	ug/l	96
49) 1,4-Dioxane	7.665	88	595	22.703	ug/l #	80
64) Tetrachloroethene	9.256	164	90424	45.612	ug/l	97

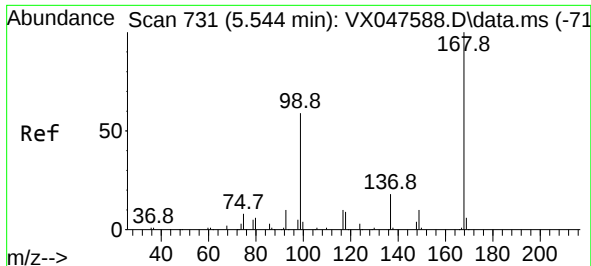
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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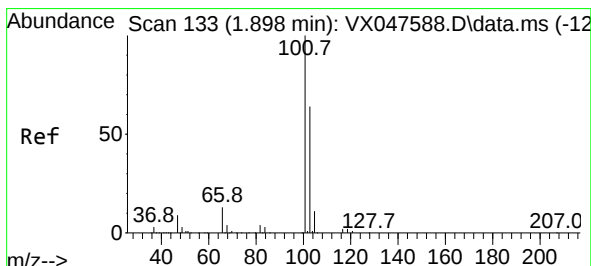
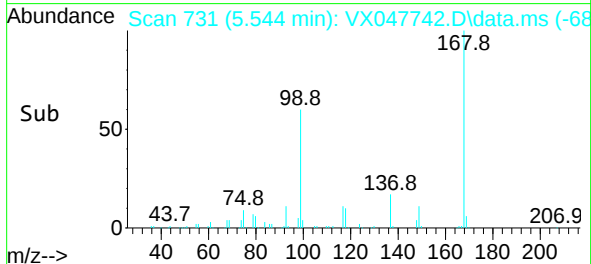
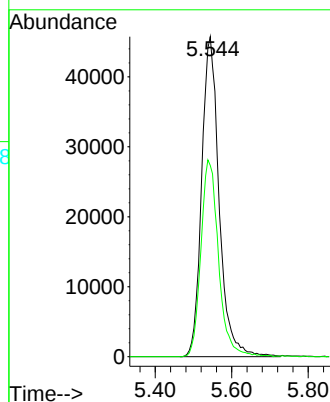
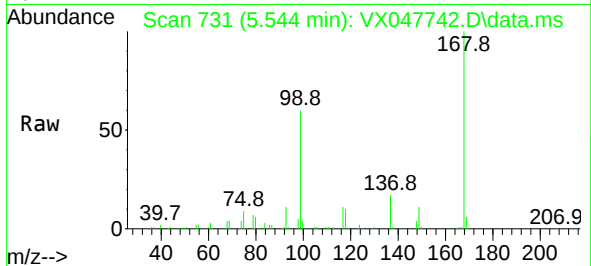




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

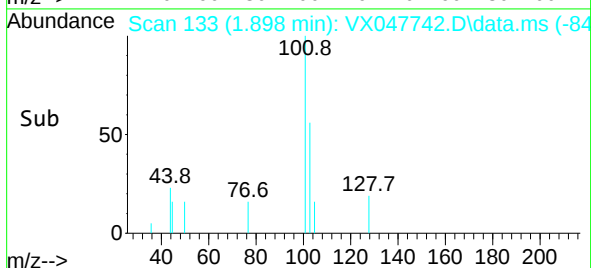
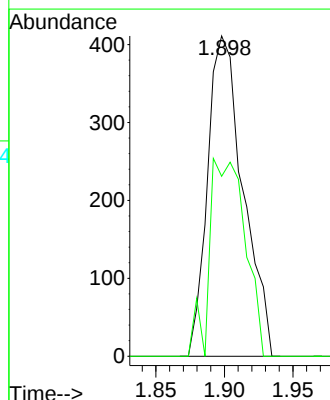
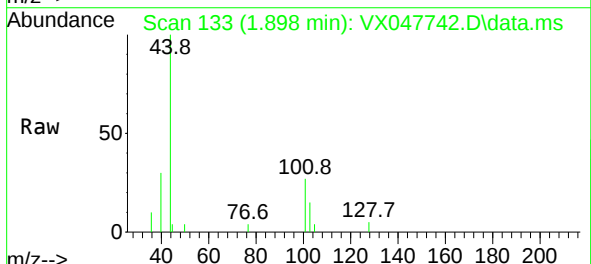
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

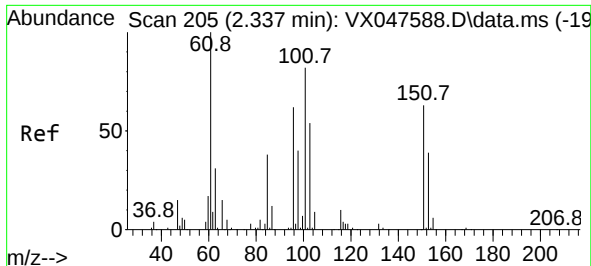
Tgt Ion:168 Resp: 144829
Ion Ratio Lower Upper
168 100
99 59.7 48.8 73.2



#7
Trichlorofluoromethane
Concen: 0.259 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:101 Resp: 742
Ion Ratio Lower Upper
101 100
103 56.2 51.4 77.2

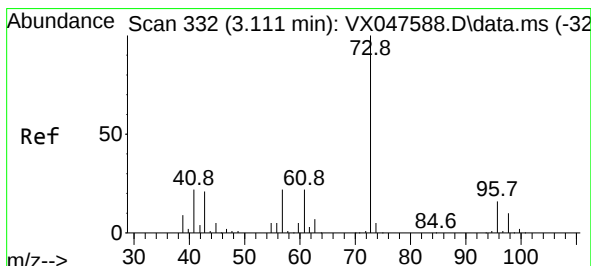
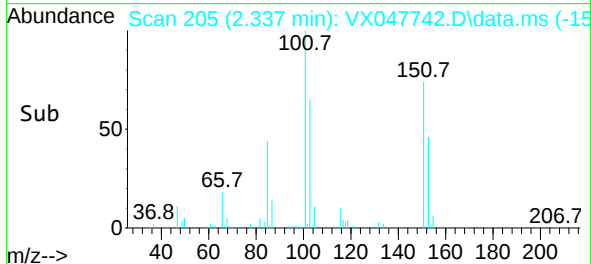
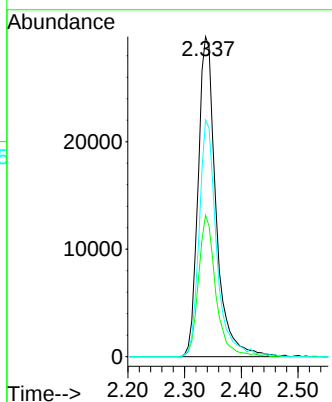
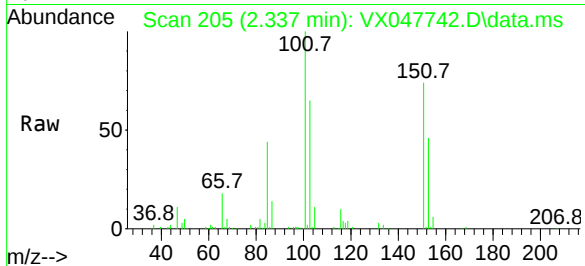




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 38.934 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

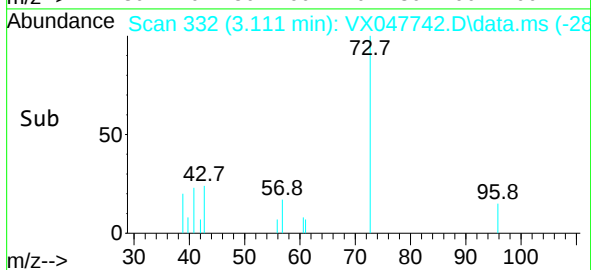
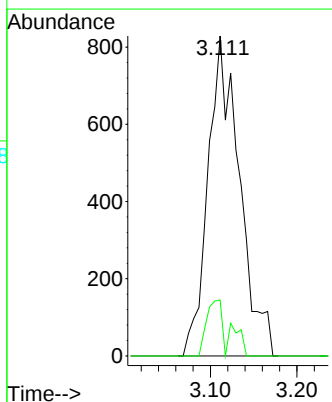
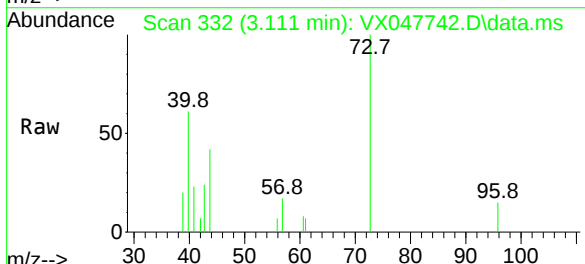
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20250912

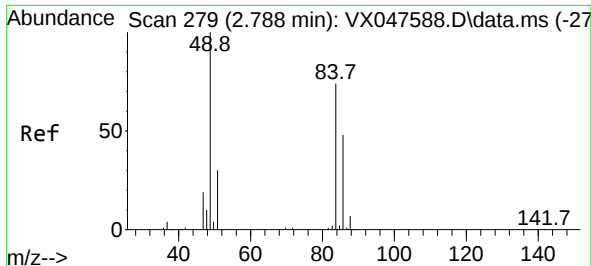
Tgt Ion:101 Resp: 65221
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.5 53.3
 151 72.6 59.4 89.0



#19
 Methyl tert-butyl Ether
 Concen: 0.333 ug/l
 RT: 3.111 min Scan# 332
 Delta R.T. -0.000 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

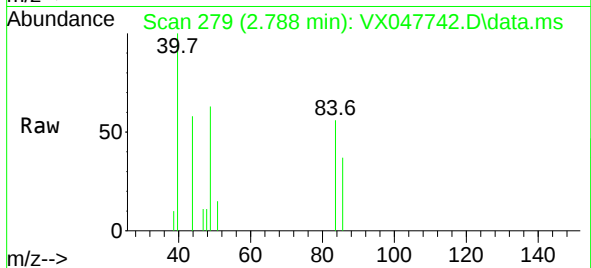
Tgt Ion: 73 Resp: 2090
 Ion Ratio Lower Upper
 73 100
 57 17.5 17.4 26.2



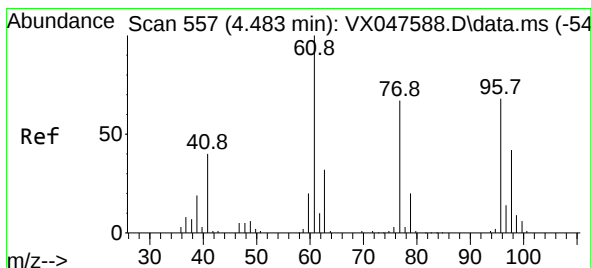
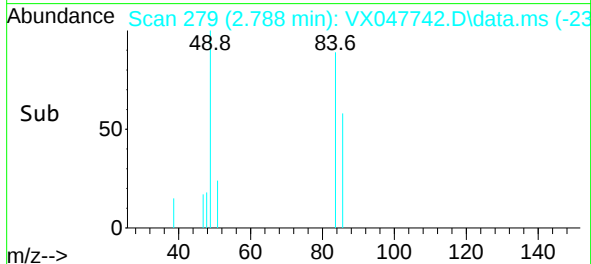
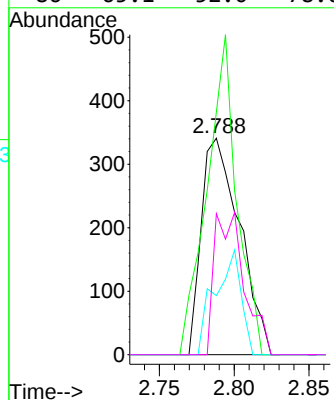


#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

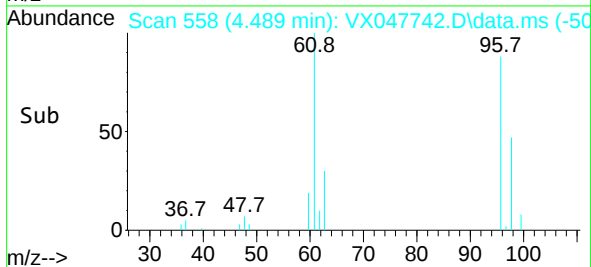
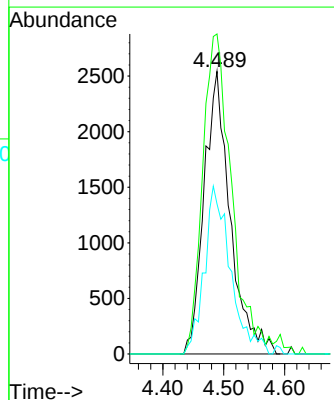
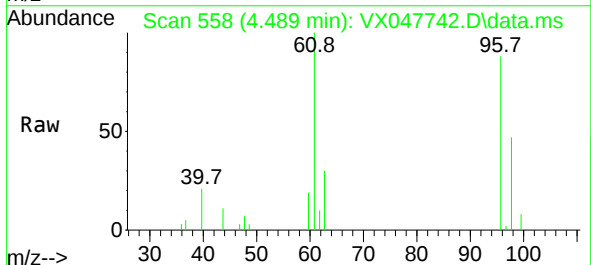


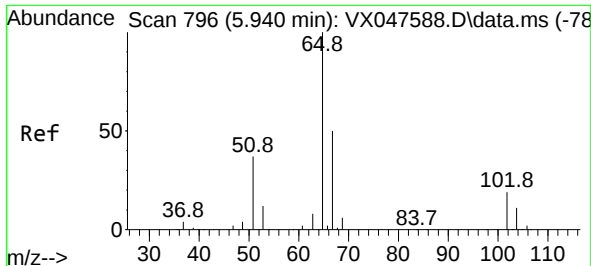
Tgt Ion: 84 Resp: 607
Ion Ratio Lower Upper
84 100
49 112.0 108.6 162.8
51 27.3 32.6 48.8#
86 65.1 52.0 78.0



#27
cis-1,2-Dichloroethene
Concen: 3.336 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 96 Resp: 7569
Ion Ratio Lower Upper
96 100
61 125.0 0.0 303.2
98 59.4 0.0 127.8





#33

1,2-Dichloroethane-d4

Concen: 52.482 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047742.D

Acq: 23 Sep 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

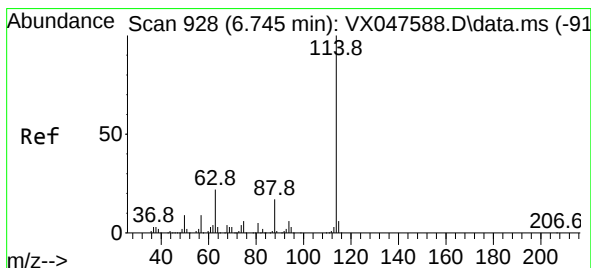
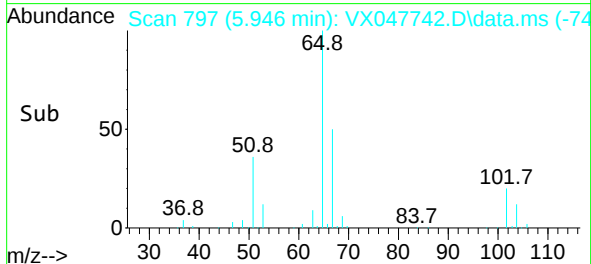
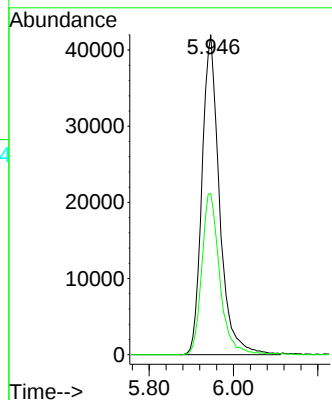
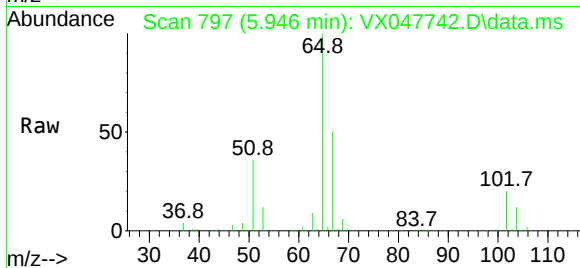
RE134D2-20250912

Tgt Ion: 65 Resp: 120988

Ion Ratio Lower Upper

65 100

67 51.7 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: VX047742.D

Acq: 23 Sep 2025 18:18

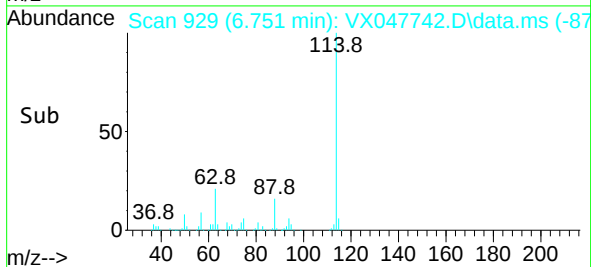
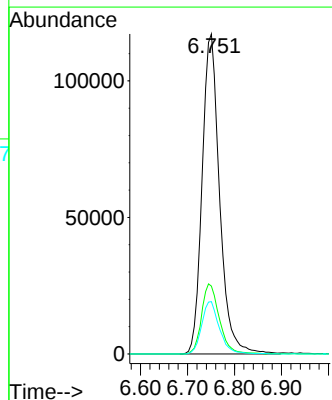
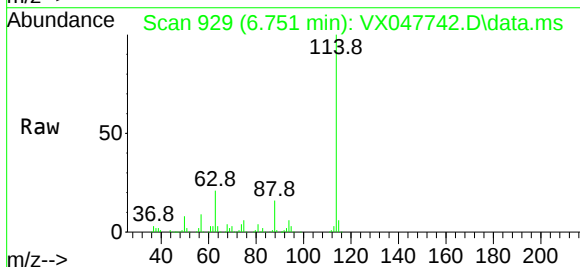
Tgt Ion: 114 Resp: 302539

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.4 0.0 34.2

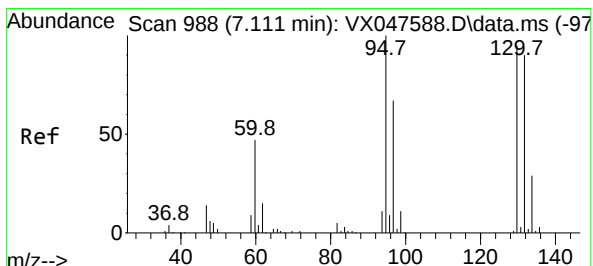
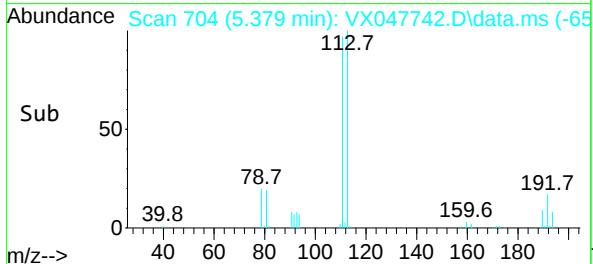
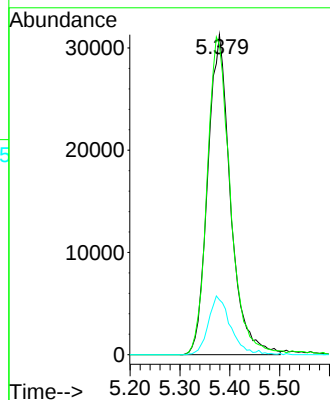
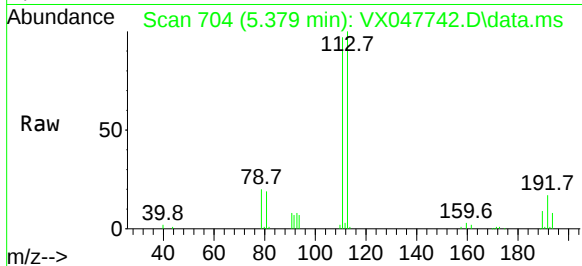




#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

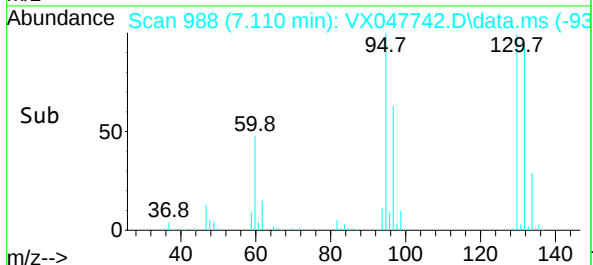
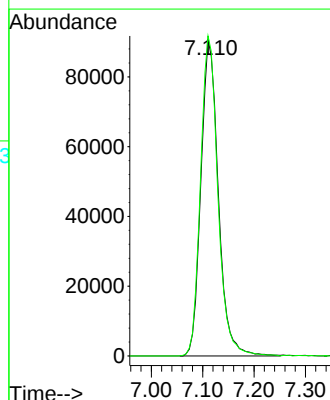
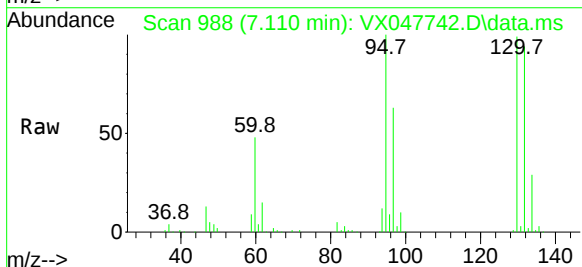
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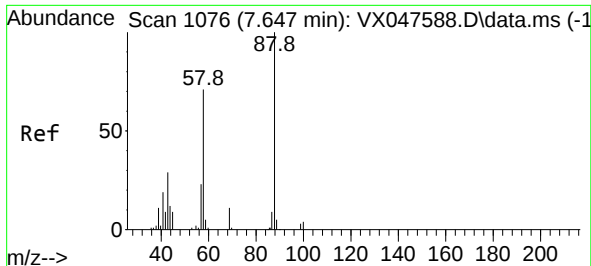
Tgt Ion:113 Resp: 99412
Ion Ratio Lower Upper
113 100
111 100.8 80.9 121.3
192 17.5 14.2 21.4



#44
Trichloroethene
Concen: 98.064 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:130 Resp: 213493
Ion Ratio Lower Upper
130 100
95 101.0 0.0 210.8





#49

1,4-Dioxane

Concen: 22.703 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047742.D

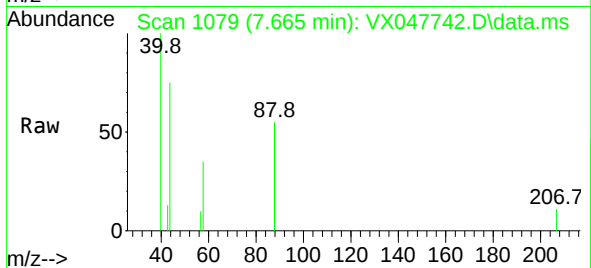
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Instrument :

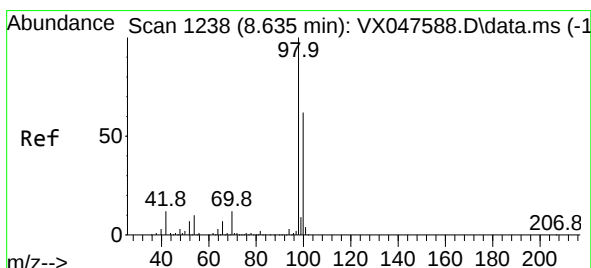
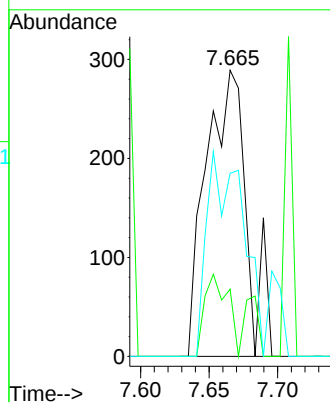
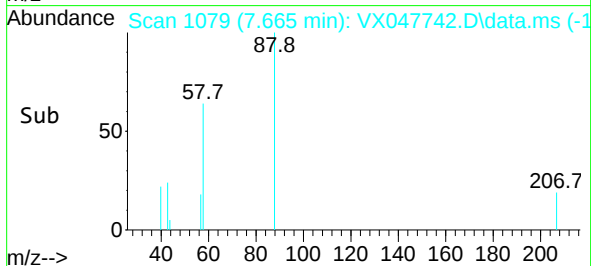
MSVOA_X

ClientSampleId :

RE134D2-20250912



Tgt Ion:	88	Resp:	595
Ion	Ratio	Lower	Upper
88	100		
43	16.5	30.2	45.2#
58	64.2	59.5	89.3



#50

Toluene-d8

Concen: 48.497 ug/l

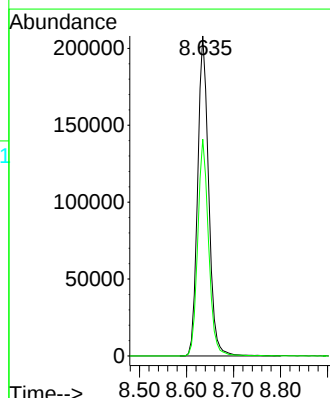
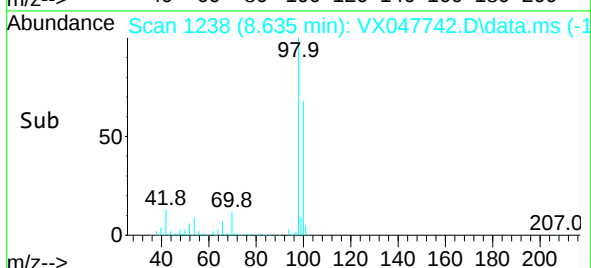
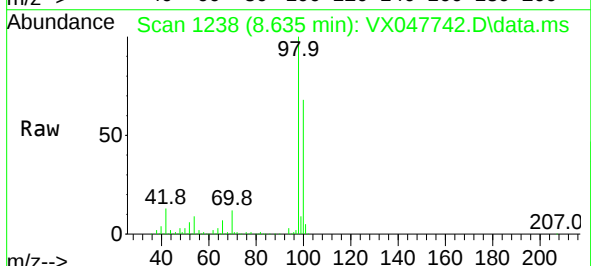
RT: 8.635 min Scan# 1238

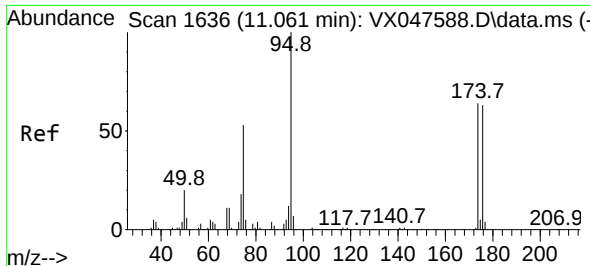
Delta R.T. -0.000 min

Lab File: VX047742.D

Acq: 23 Sep 2025 18:18

Tgt Ion:	98	Resp:	340487
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

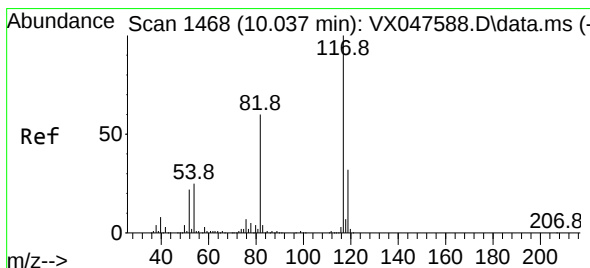
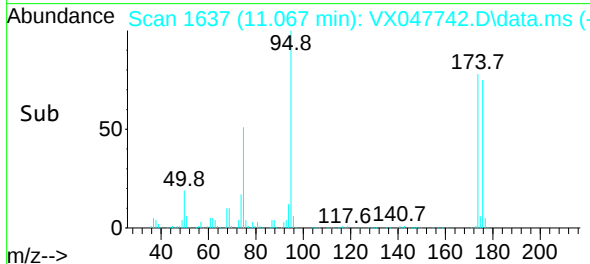
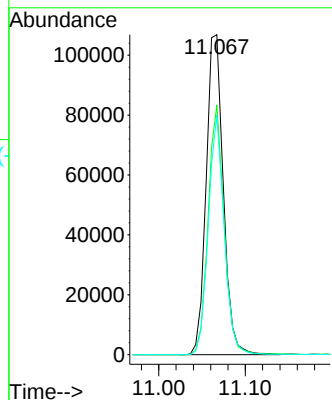
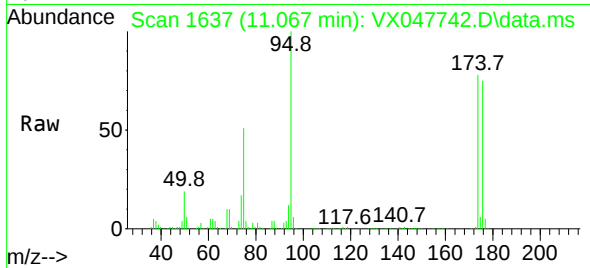




#62
4-Bromofluorobenzene
Concen: 55.150 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

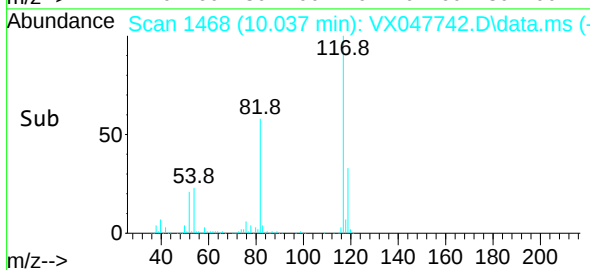
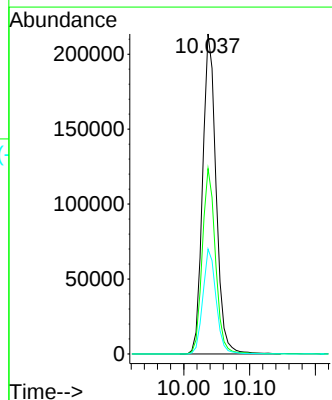
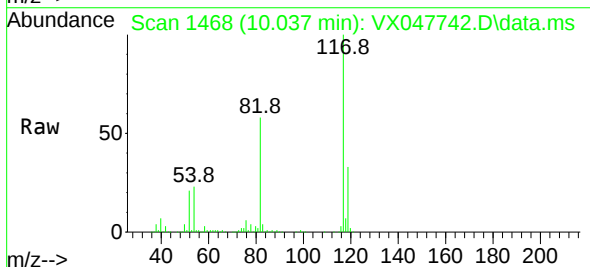
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

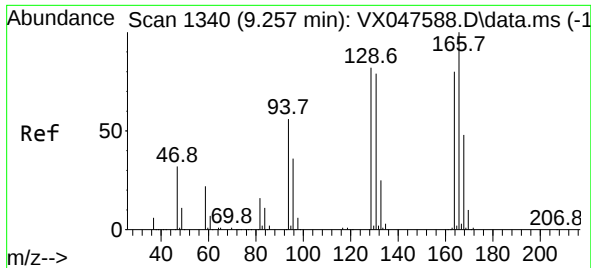
Tgt Ion: 95 Resp: 146947
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 117 Resp: 304106
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.8 25.2 37.8



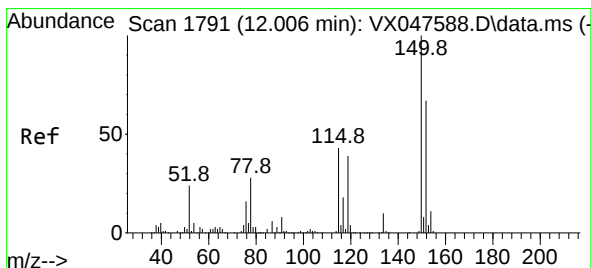
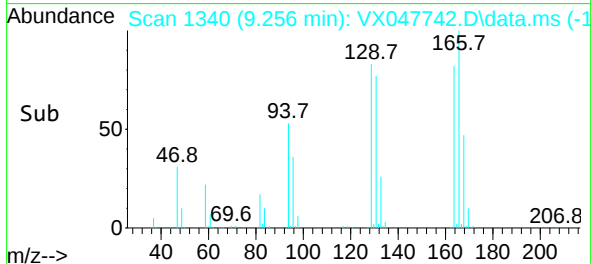
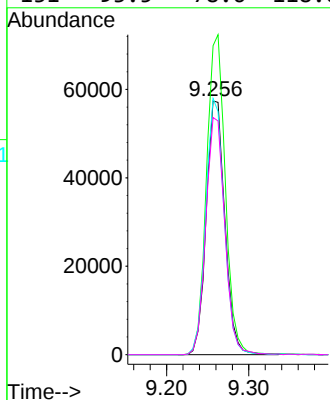
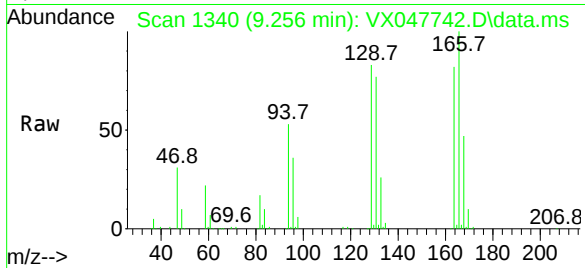


#64
Tetrachloroethene
Concen: 45.612 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

Tgt Ion:164 Resp: 90424

Ion	Ratio	Lower	Upper
164	100		
166	121.8	100.2	150.2
129	101.0	81.8	122.6
131	93.5	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:152 Resp: 155005

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.9	134.5
150	158.1	0.0	352.0

