

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
 Data File : VX047789.D
 Acq On : 24 Sep 2025 19:54
 Operator : JC/MD
 Sample : Q3127-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20250915

Quant Time: Sep 25 01:22:02 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

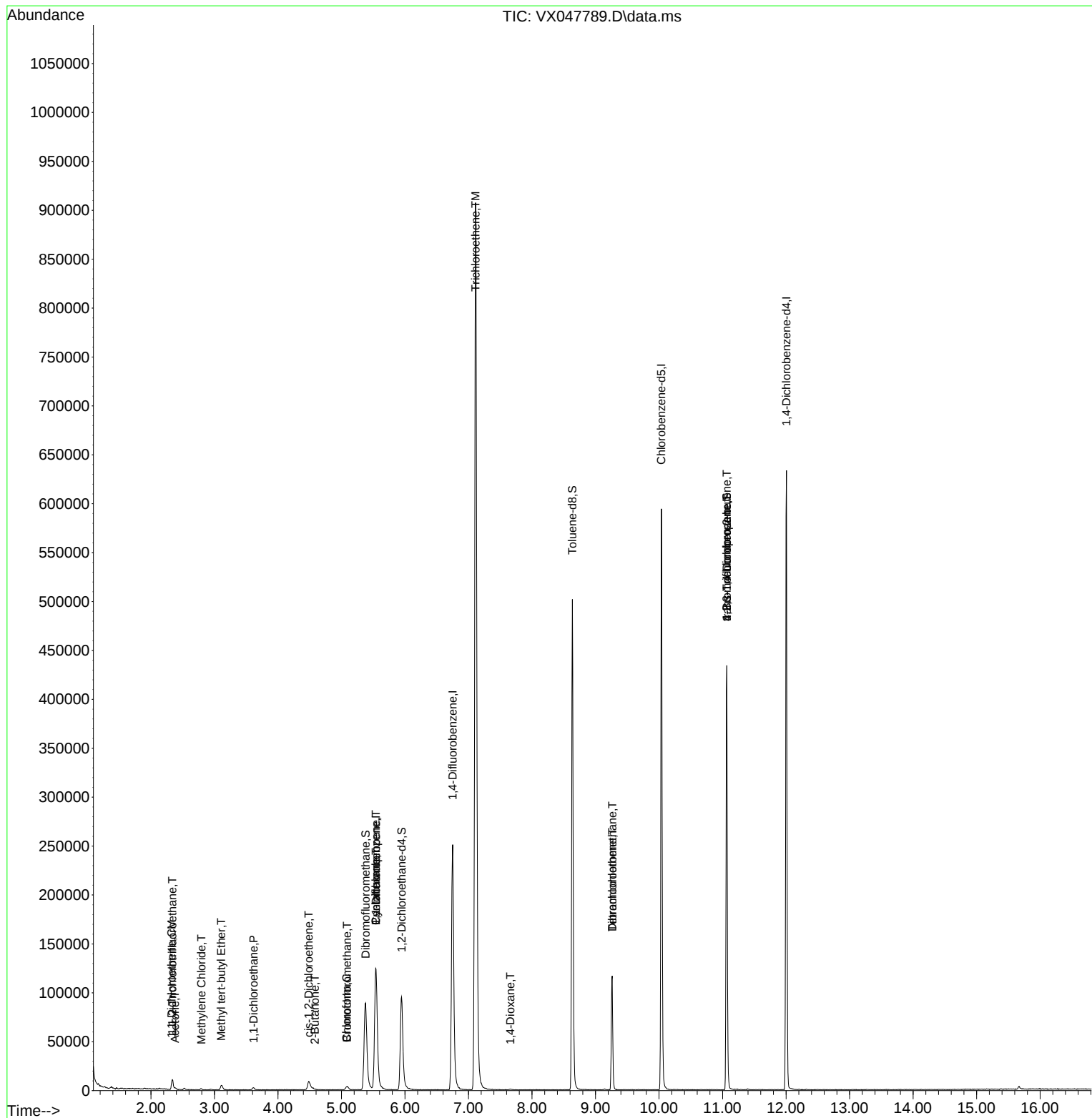
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	270621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103361	51.482	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.960%
35) Dibromofluoromethane	5.379	113	86588	47.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	8.635	98	304364	48.465	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	11.067	95	124919	52.412	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.820%
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3746	2.568	ug/l	98
12) 1,1-Dichloroethene	2.325	96	1040	0.694	ug/l #	77
16) Acetone	2.380	43	1239	1.419	ug/l #	51
19) Methyl tert-butyl Ether	3.105	73	5136	0.939	ug/l	100
20) Methylene Chloride	2.794	84	604	0.327	ug/l #	82
24) 1,1-Dichloroethane	3.617	63	3189	1.001	ug/l #	89
25) 2-Butanone	4.580	43	226	0.208	ug/l #	50
27) cis-1,2-Dichloroethene	4.483	96	6343	3.210	ug/l	93
28) Bromochloromethane	5.086	49	313	0.225	ug/l #	15
30) Chloroform	5.080	83	4927	1.531	ug/l	88
31) Cyclohexane	5.544	56	2663	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10686	4.029	ug/l #	53
44) Trichloroethene	7.111	130	377447	193.822	ug/l	98
49) 1,4-Dioxane	7.659	88	361	15.399	ug/l #	52
60) Dibromochloromethane	9.263	129	23356	10.593	ug/l #	11
64) Tetrachloroethene	9.263	164	23000	13.066	ug/l	94
76) 1,2,3-Trichloropropane	11.067	75	65773	24.223	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	65773	61.772	ug/l #	8

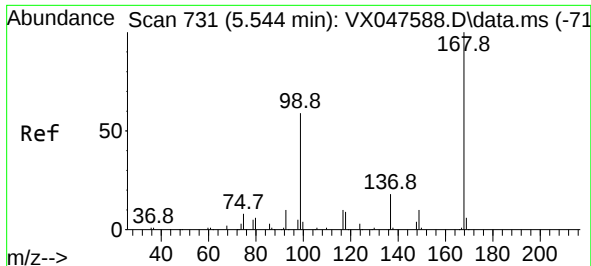
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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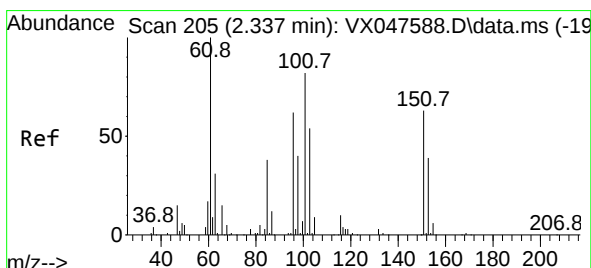
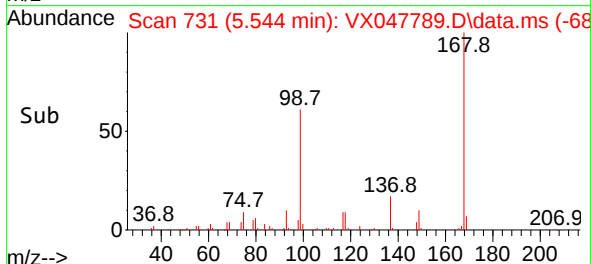
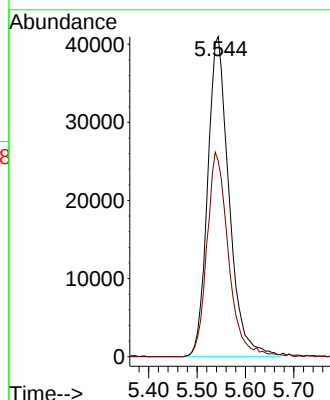
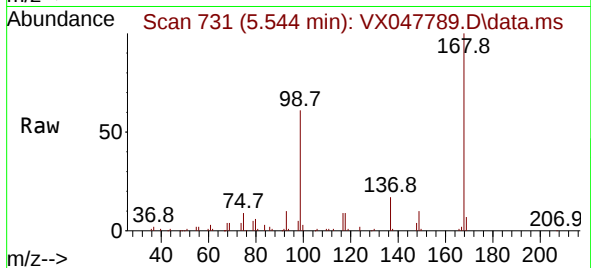




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

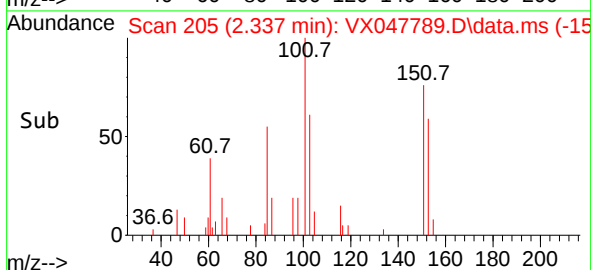
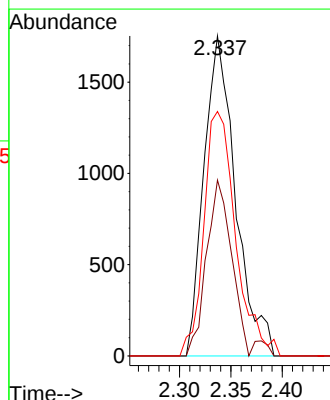
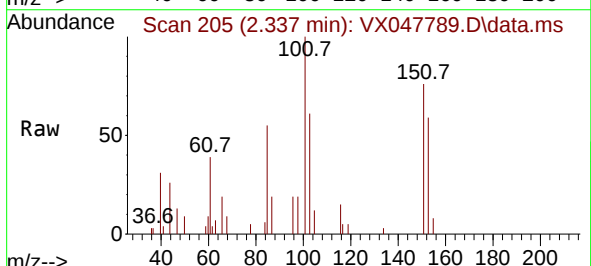
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

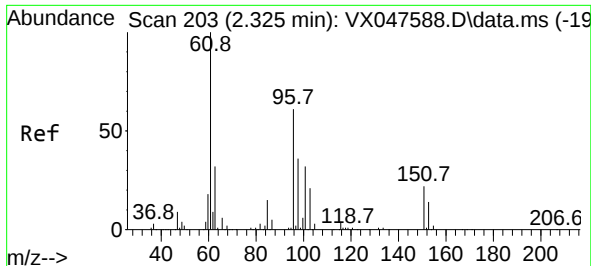
Tgt Ion:168 Resp: 126132
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.568 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion:101 Resp: 3746
Ion Ratio Lower Upper
101 100
85 43.6 35.5 53.3
151 76.9 59.4 89.0





#12

1,1-Dichloroethene

Concen: 0.694 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047789.D

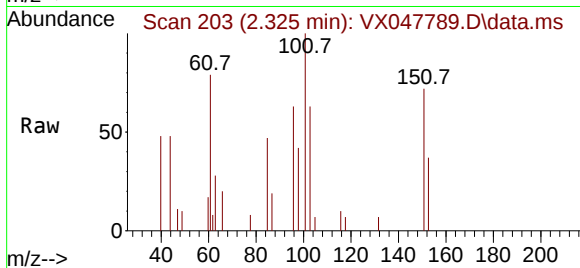
Acq: 24 Sep 2025 19:54

Instrument :

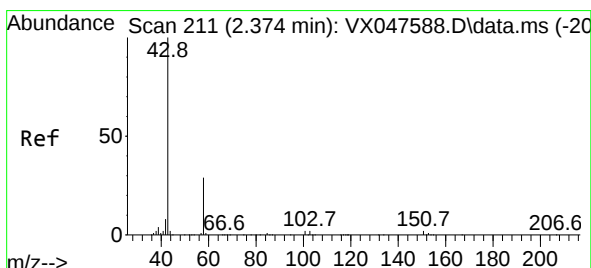
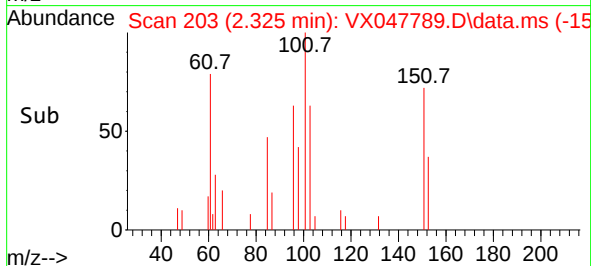
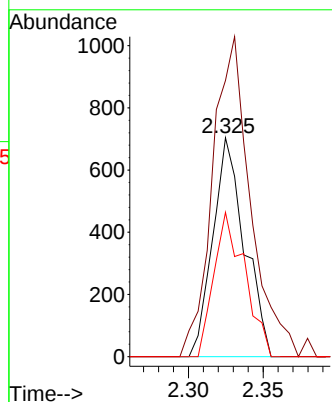
MSVOA_X

ClientSampleId :

RE131D1-20250915



Tgt Ion:	96	Resp:	1040
Ion	Ratio	Lower	Upper
96	100		
61	126.1	131.0	196.6#
98	65.9	47.7	71.5



#16

Acetone

Concen: 1.419 ug/l

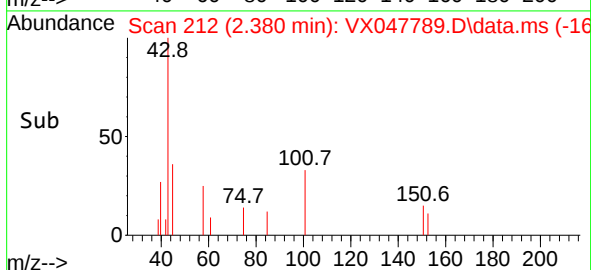
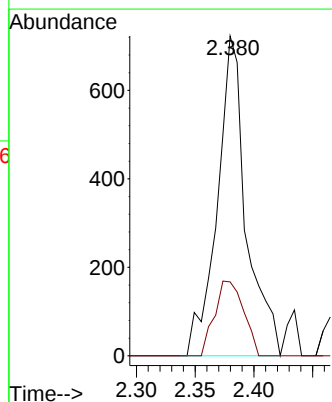
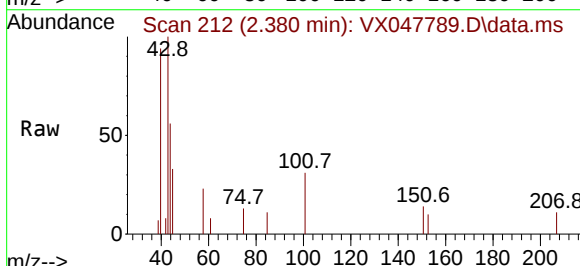
RT: 2.380 min Scan# 212

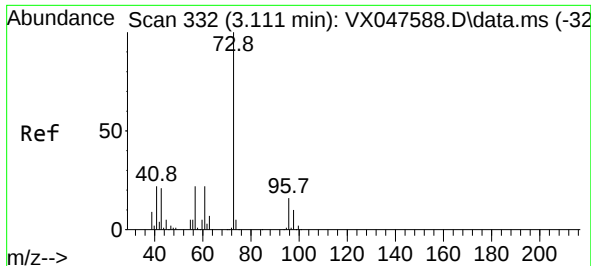
Delta R.T. 0.006 min

Lab File: VX047789.D

Acq: 24 Sep 2025 19:54

Tgt Ion:	43	Resp:	1239
Ion	Ratio	Lower	Upper
43	100		
58	55.3	23.4	35.0#

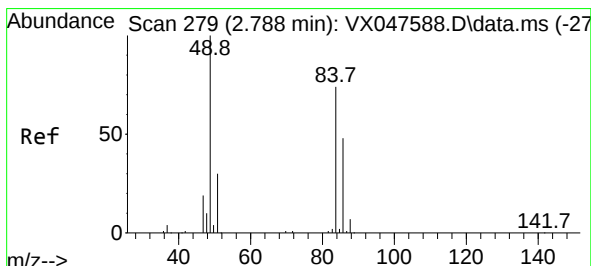
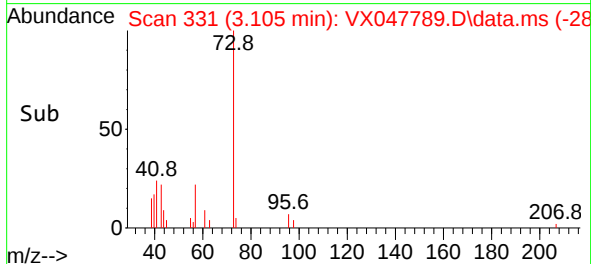
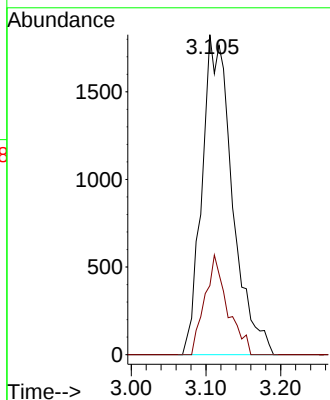
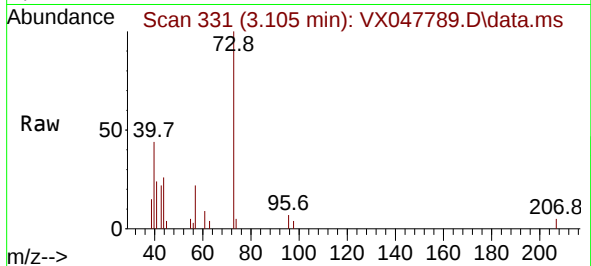




#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 3.105 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

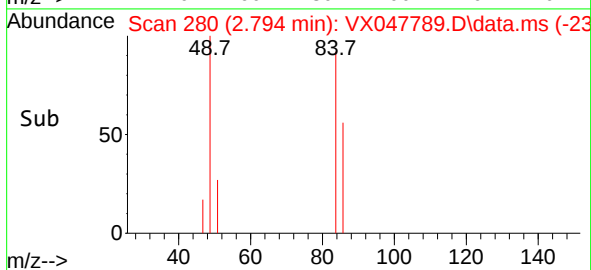
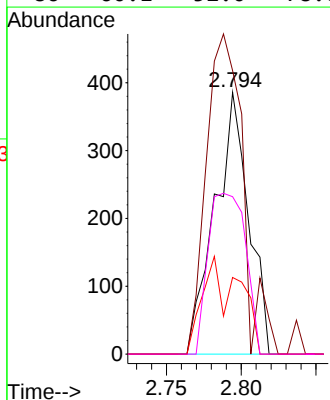
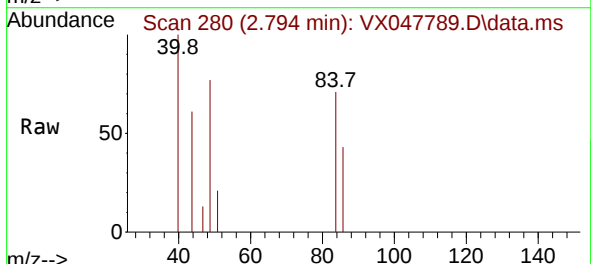
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

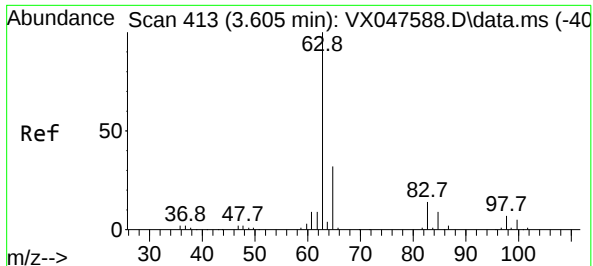
Tgt Ion: 73 Resp: 5136
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 84 Resp: 604
Ion Ratio Lower Upper
84 100
49 108.3 108.6 162.8#
51 29.3 32.6 48.8#
86 60.1 52.0 78.0

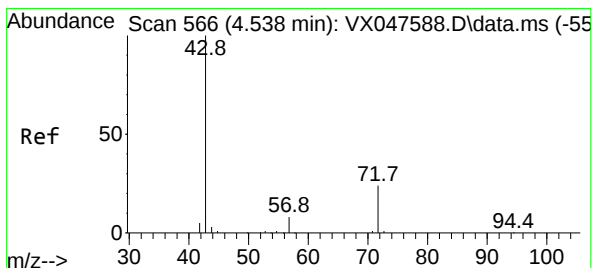
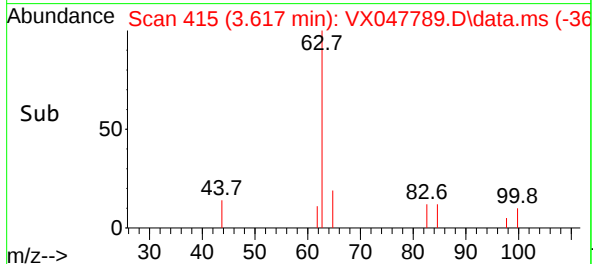
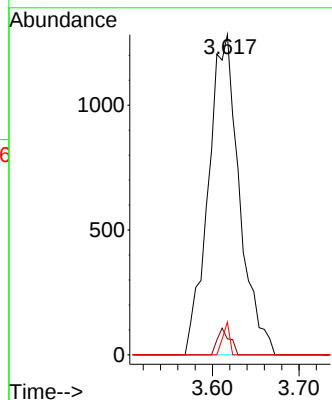
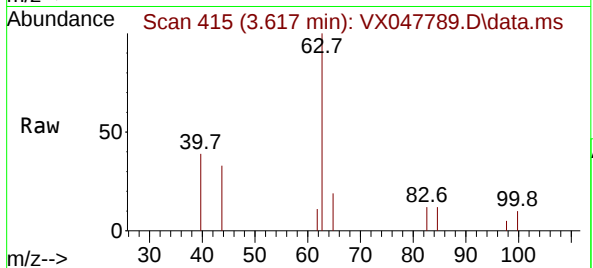




#24
1,1-Dichloroethane
Concen: 1.001 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

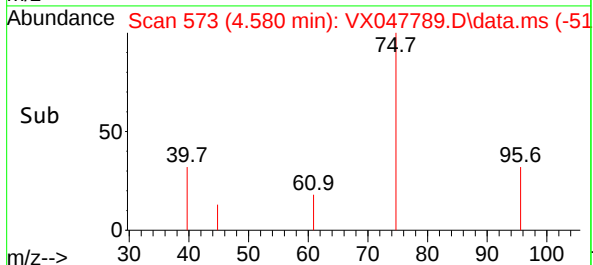
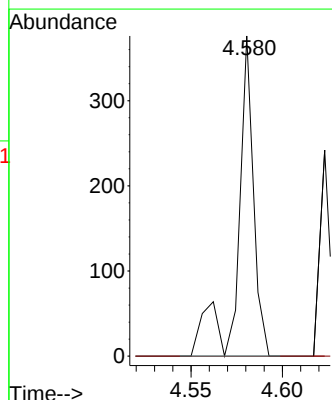
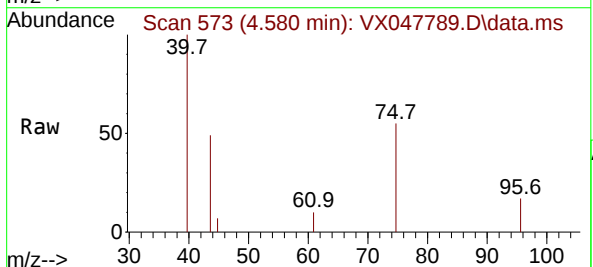
Instrument :
MSVOA_X
ClientSampleId :
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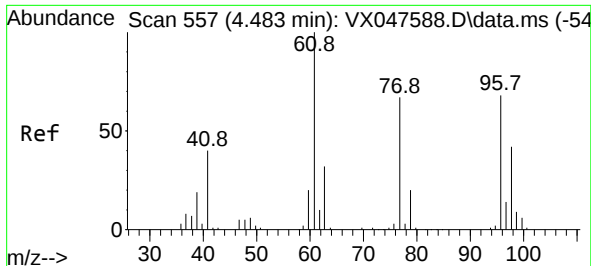
Tgt Ion: 63 Resp: 3189
Ion Ratio Lower Upper
63 100
98 5.0 3.8 11.2
100 10.2 2.3 6.9#



#25
2-Butanone
Concen: 0.208 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.043 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#

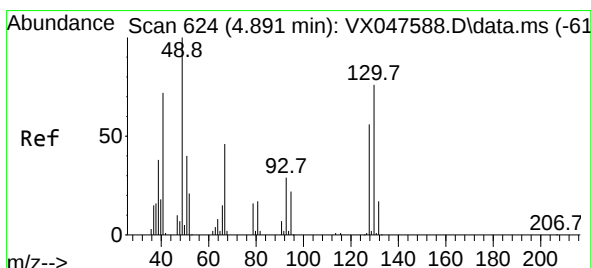
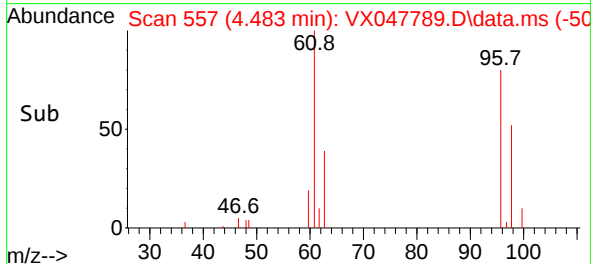
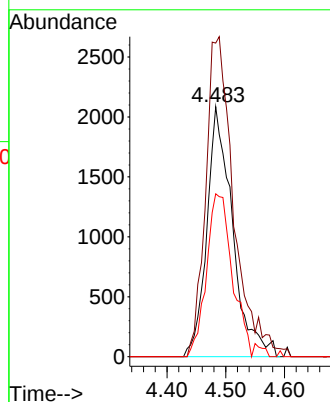
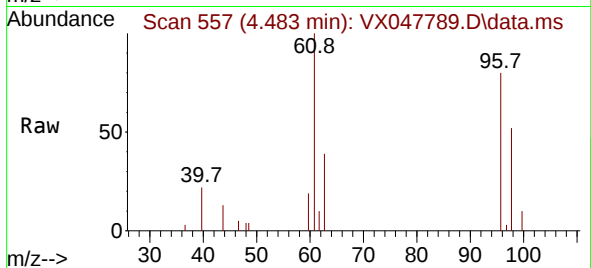




#27
 cis-1,2-Dichloroethene
 Concen: 3.210 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX047789.D
 Acq: 24 Sep 2025 19:54

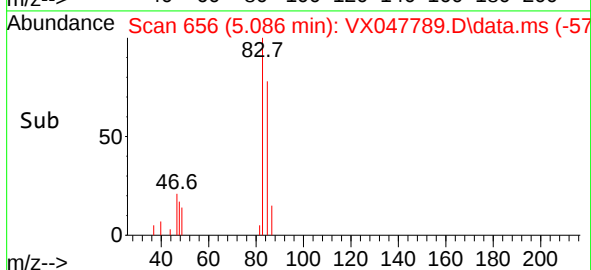
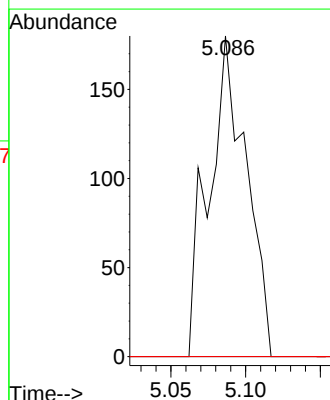
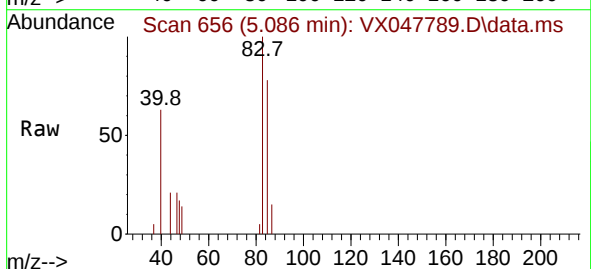
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 ClientSampleId :
 RE131D1-20250915

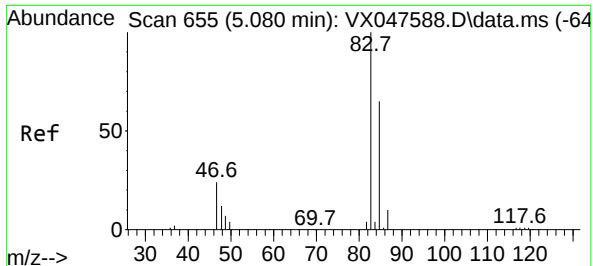
Tgt Ion: 96 Resp: 6343
 Ion Ratio Lower Upper
 96 100
 61 140.2 0.0 303.2
 98 65.3 0.0 127.8



#28
 Bromochloromethane
 Concen: 0.225 ug/l
 RT: 5.086 min Scan# 656
 Delta R.T. 0.195 min
 Lab File: VX047789.D
 Acq: 24 Sep 2025 19:54

Tgt Ion: 49 Resp: 313
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.2
 130 0.0 57.8 86.8#





#30

Chloroform

Concen: 1.531 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX047789.D

Acq: 24 Sep 2025 19:54

Instrument :

MSVOA_X

ClientSampleId :

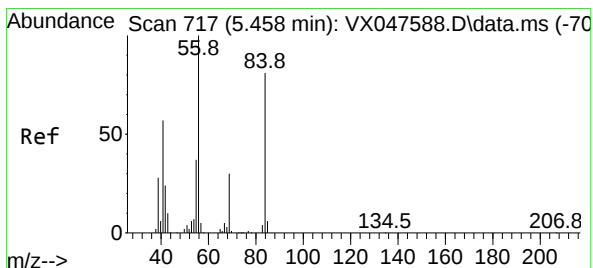
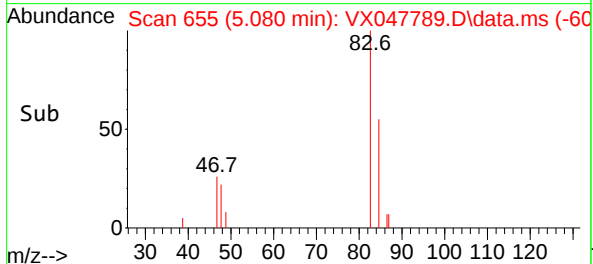
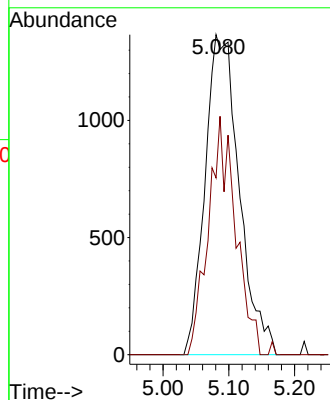
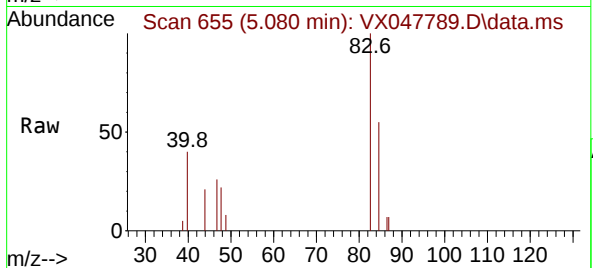
RE131D1-20250915

Tgt Ion: 83 Resp: 4927

Ion Ratio Lower Upper

83 100

85 55.3 51.8 77.6



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX047789.D

Acq: 24 Sep 2025 19:54

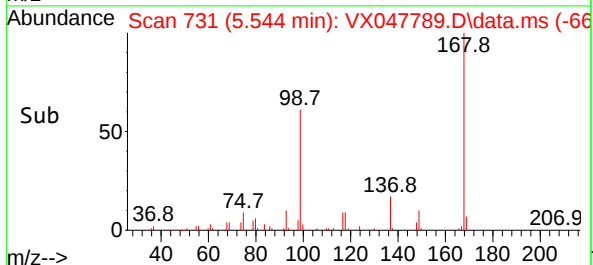
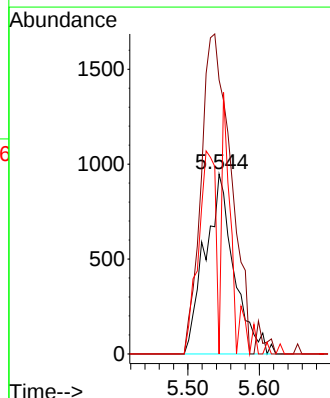
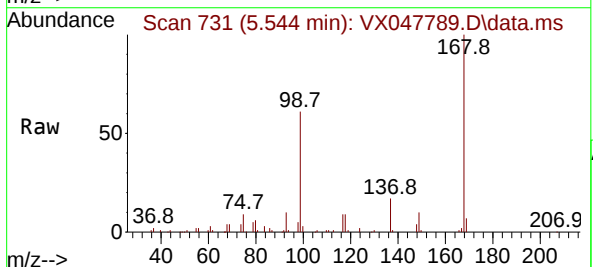
Tgt Ion: 56 Resp: 2663

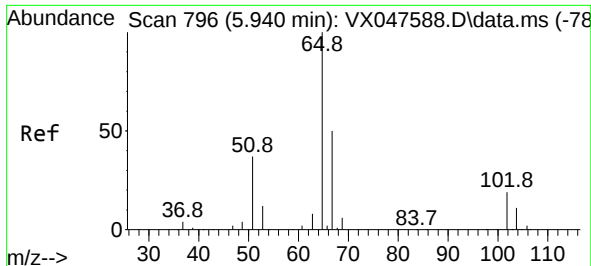
Ion Ratio Lower Upper

56 100

69 152.5 23.8 35.8#

84 0.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.482 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047789.D

Acq: 24 Sep 2025 19:54

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MSVOA_X

ClientSampleId :

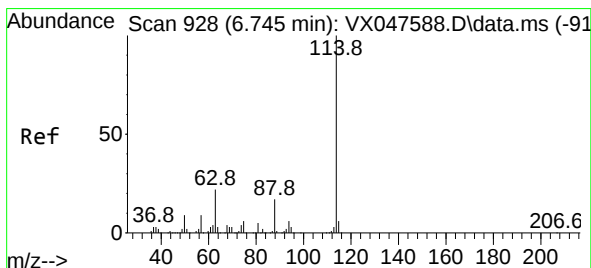
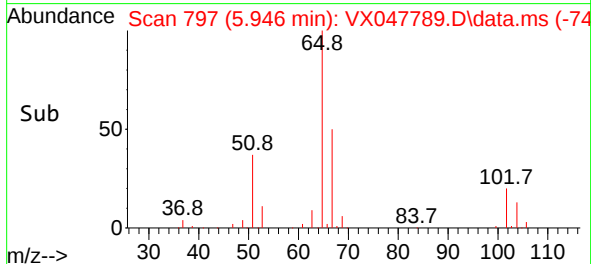
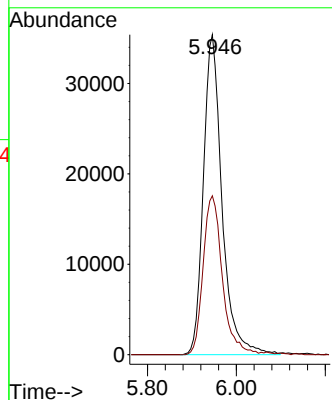
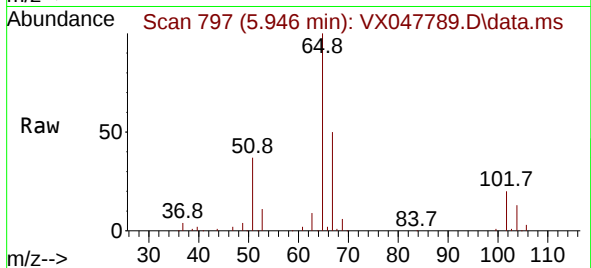
RE131D1-20250915

Tgt Ion: 65 Resp: 103361

Ion Ratio Lower Upper

65 100

67 51.3 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: VX047789.D

Acq: 24 Sep 2025 19:54

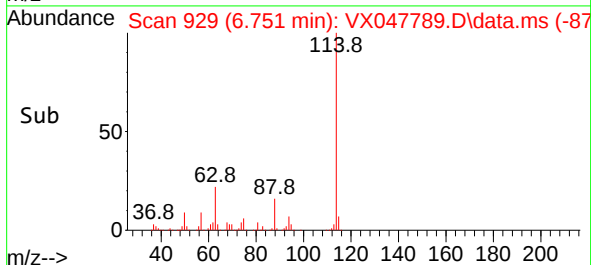
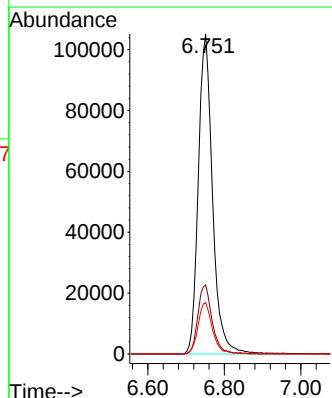
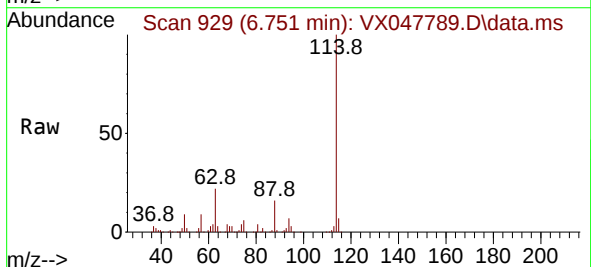
Tgt Ion: 114 Resp: 270621

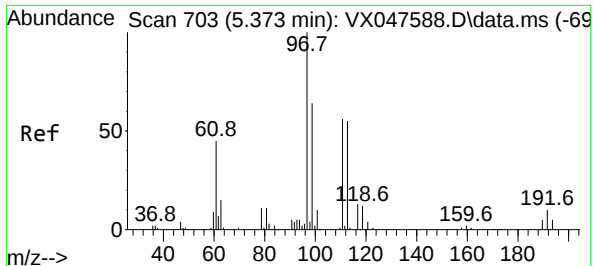
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

88 16.0 0.0 34.2

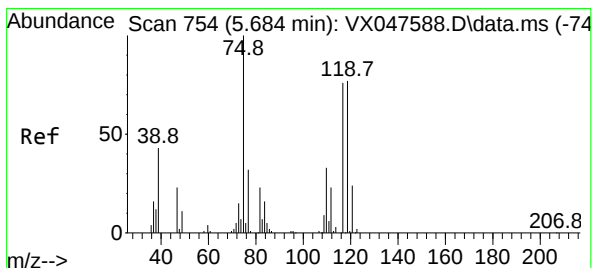
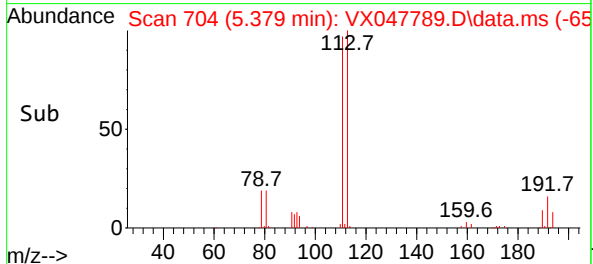
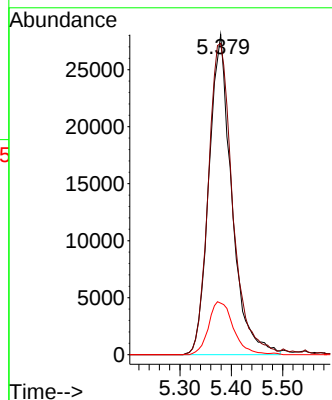
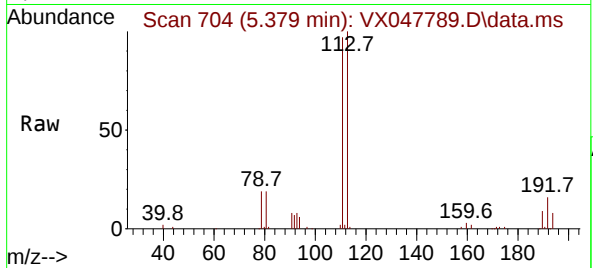




#35
Dibromofluoromethane
Concen: 47.709 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

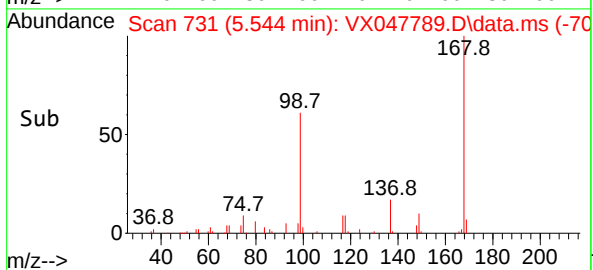
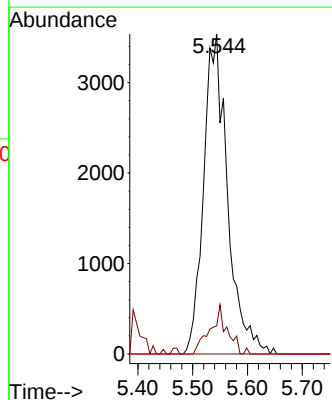
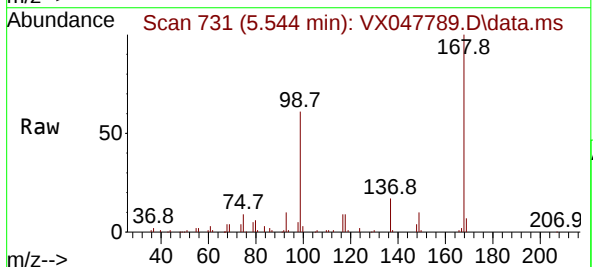
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

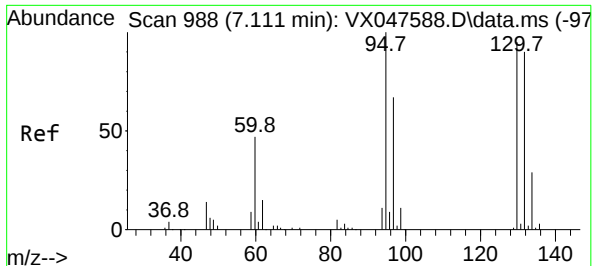
Tgt Ion:113 Resp: 86588
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 75 Resp: 10686
Ion Ratio Lower Upper
75 100
110 10.7 16.7 50.1#
77 0.0 24.3 36.5#

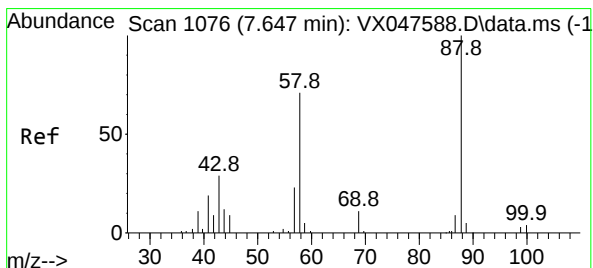
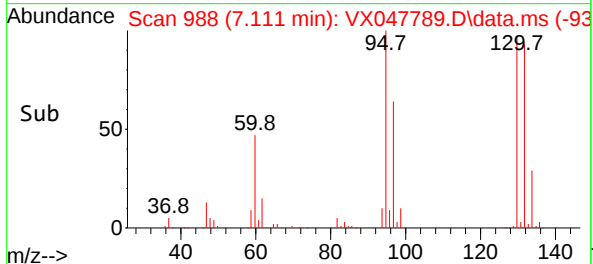
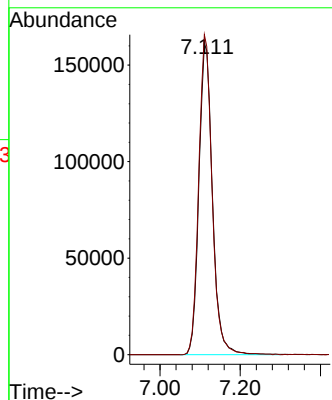
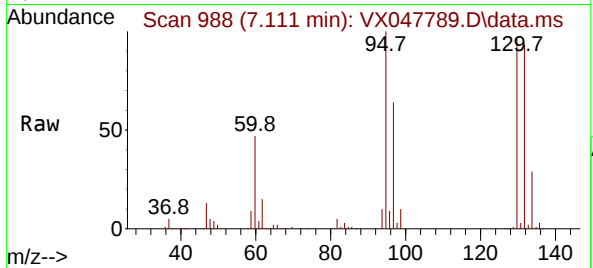




#44
Trichloroethene
Concen: 193.822 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

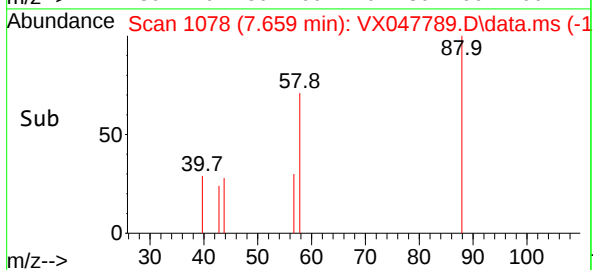
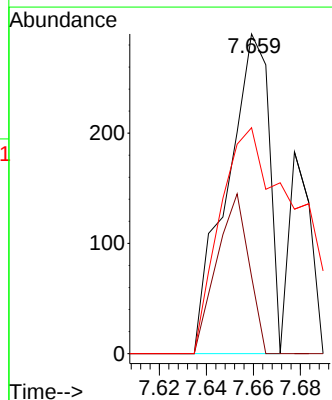
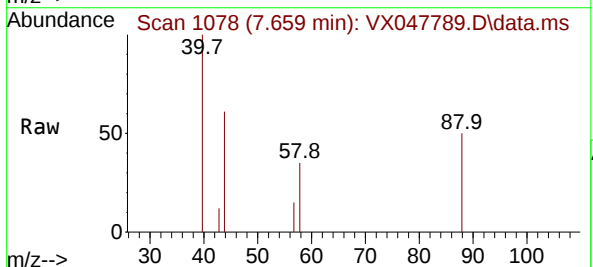
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

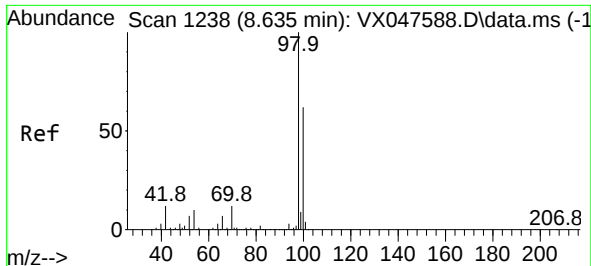
Tgt Ion:130 Resp: 377447
Ion Ratio Lower Upper
130 100
95 102.9 0.0 210.8



#49
1,4-Dioxane
Concen: 15.399 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 88 Resp: 361
Ion Ratio Lower Upper
88 100
43 38.2 30.2 45.2
58 134.9 59.5 89.3#

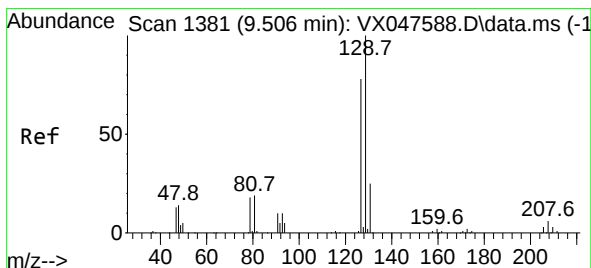
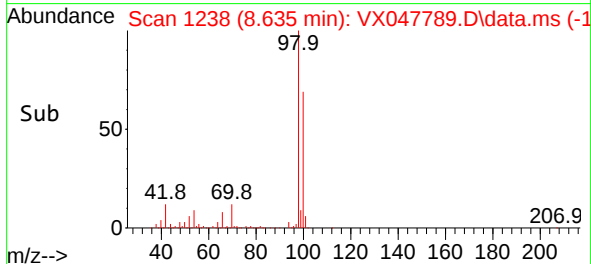
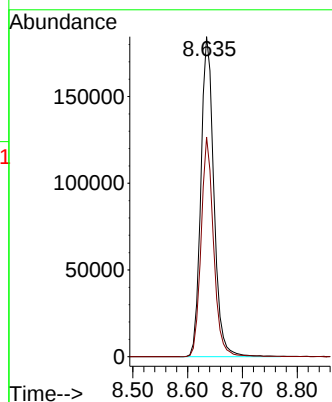
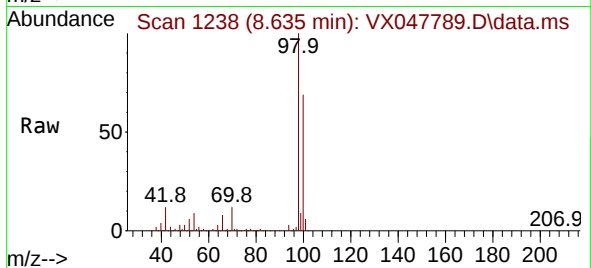




#50
Toluene-d8
Concen: 48.465 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

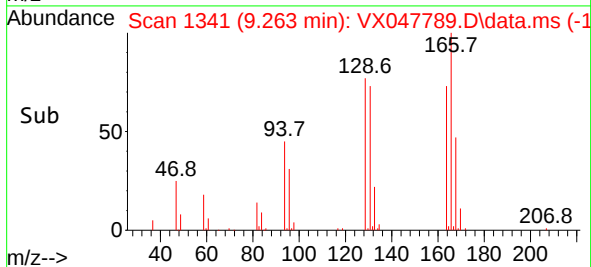
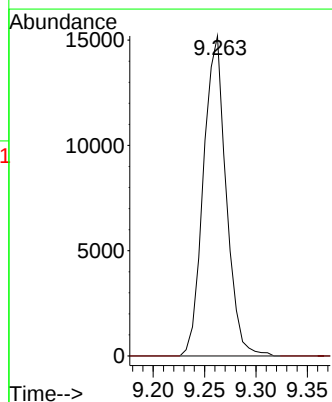
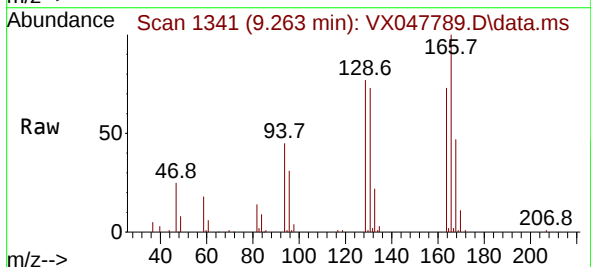
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

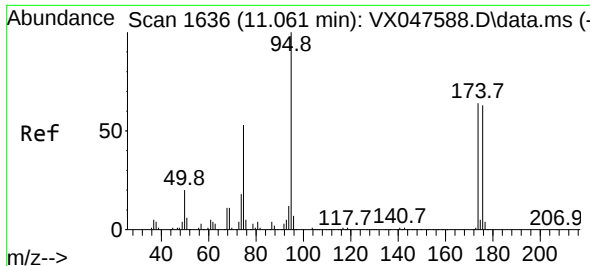
Tgt Ion: 98 Resp: 304364
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#60
Dibromochloromethane
Concen: 10.593 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion:129 Resp: 23356
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

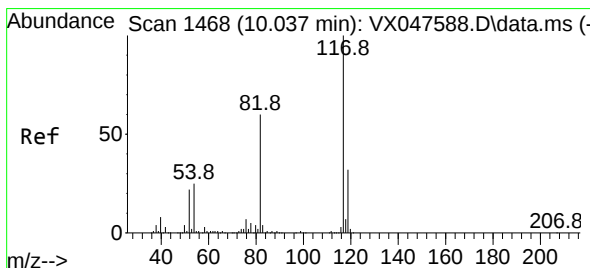
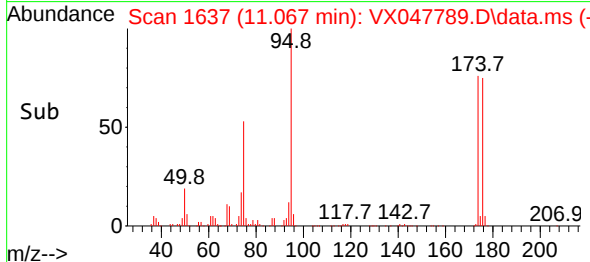
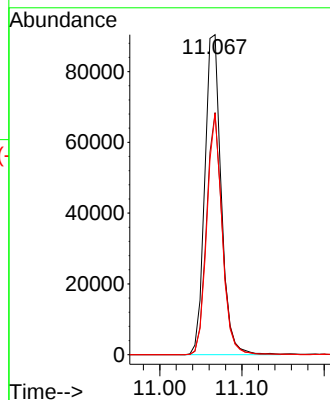
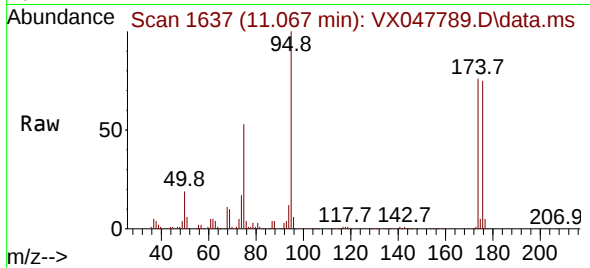




#62
4-Bromofluorobenzene
Concen: 52.412 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

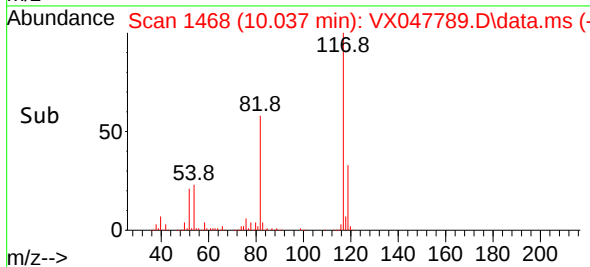
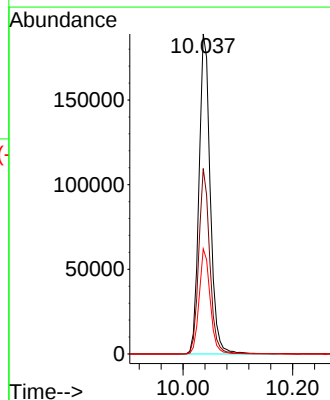
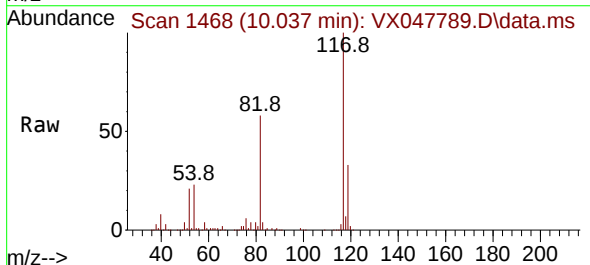
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

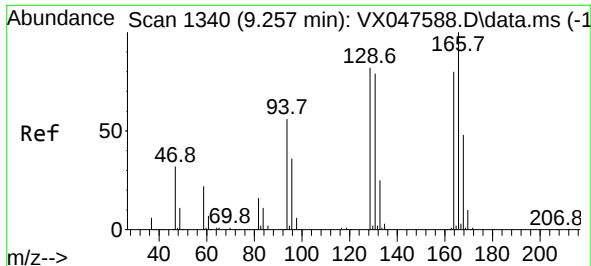
Tgt Ion: 95 Resp: 124919
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 70.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 117 Resp: 270032
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.8 25.2 37.8

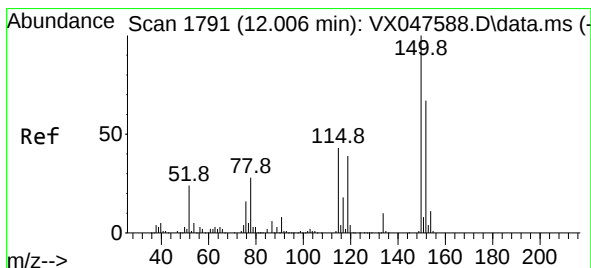
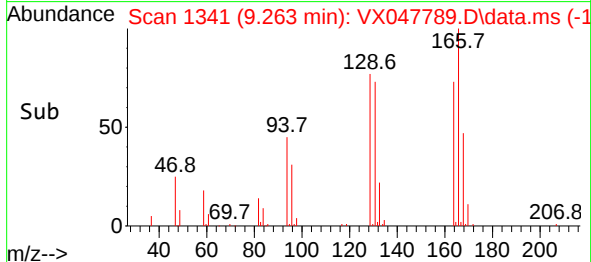
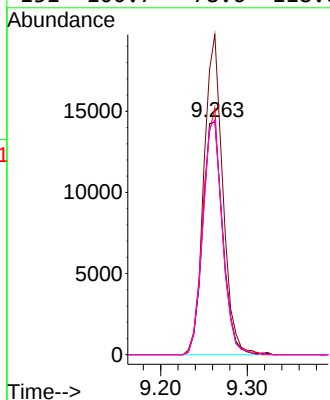
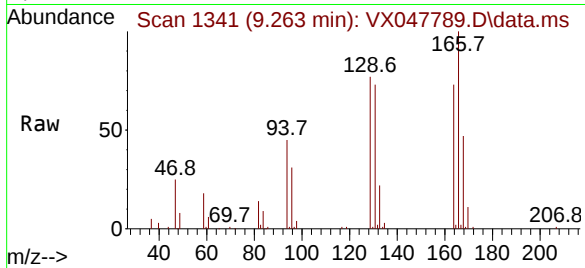




#64
Tetrachloroethene
Concen: 13.066 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

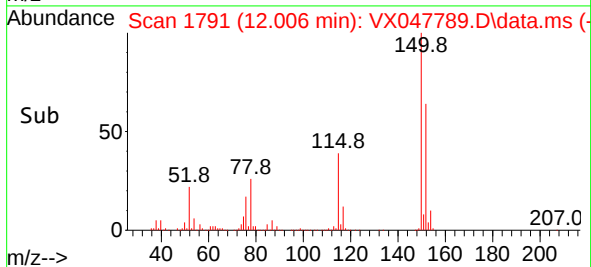
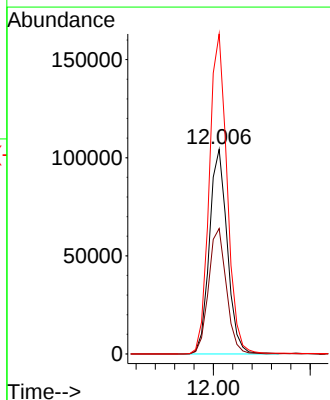
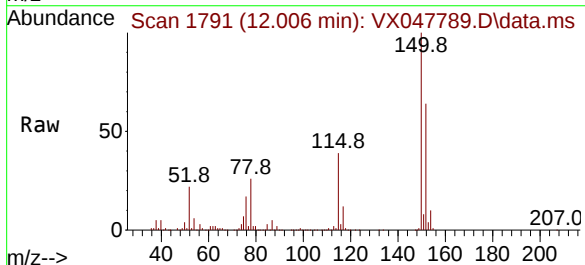
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

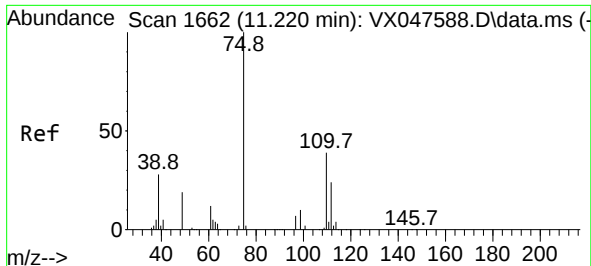
Tgt Ion:164	Resp:	23000
Ion	Ratio	Lower Upper
164	100	
166	137.3	100.2 150.2
129	105.8	81.8 122.6
131	100.7	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion:152	Resp:	134111
Ion	Ratio	Lower Upper
152	100	
115	61.4	44.9 134.5
150	156.6	0.0 352.0

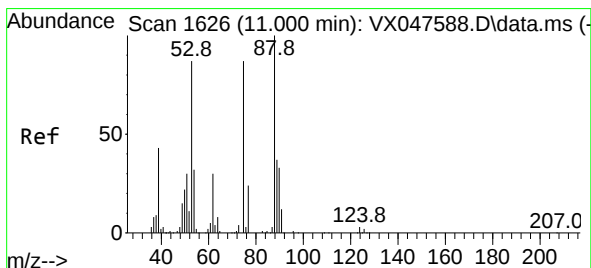
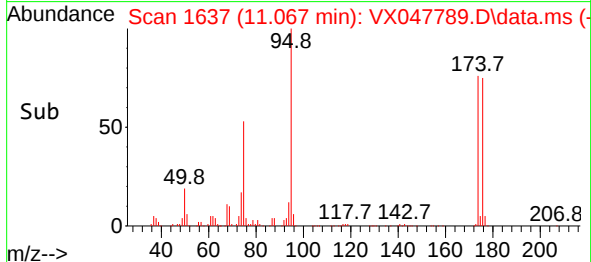
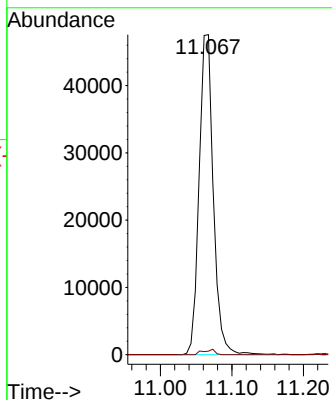
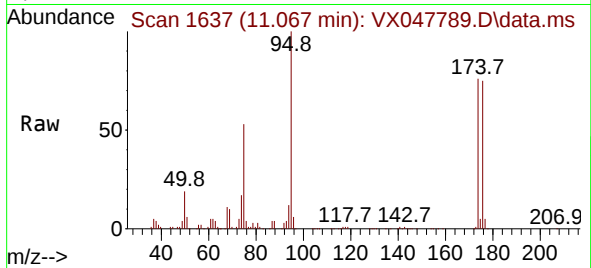




#76
1,2,3-Trichloropropane
Concen: 24.223 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250915

Tgt Ion: 75 Resp: 65773
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.772 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047789.D
Acq: 24 Sep 2025 19:54

Tgt Ion: 75 Resp: 65773
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

