

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047624.D
 Acq On : 17 Sep 2025 17:16
 Operator : JC/MD
 Sample : Q3095-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D1-20250910

Quant Time: Sep 22 03:10:52 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)

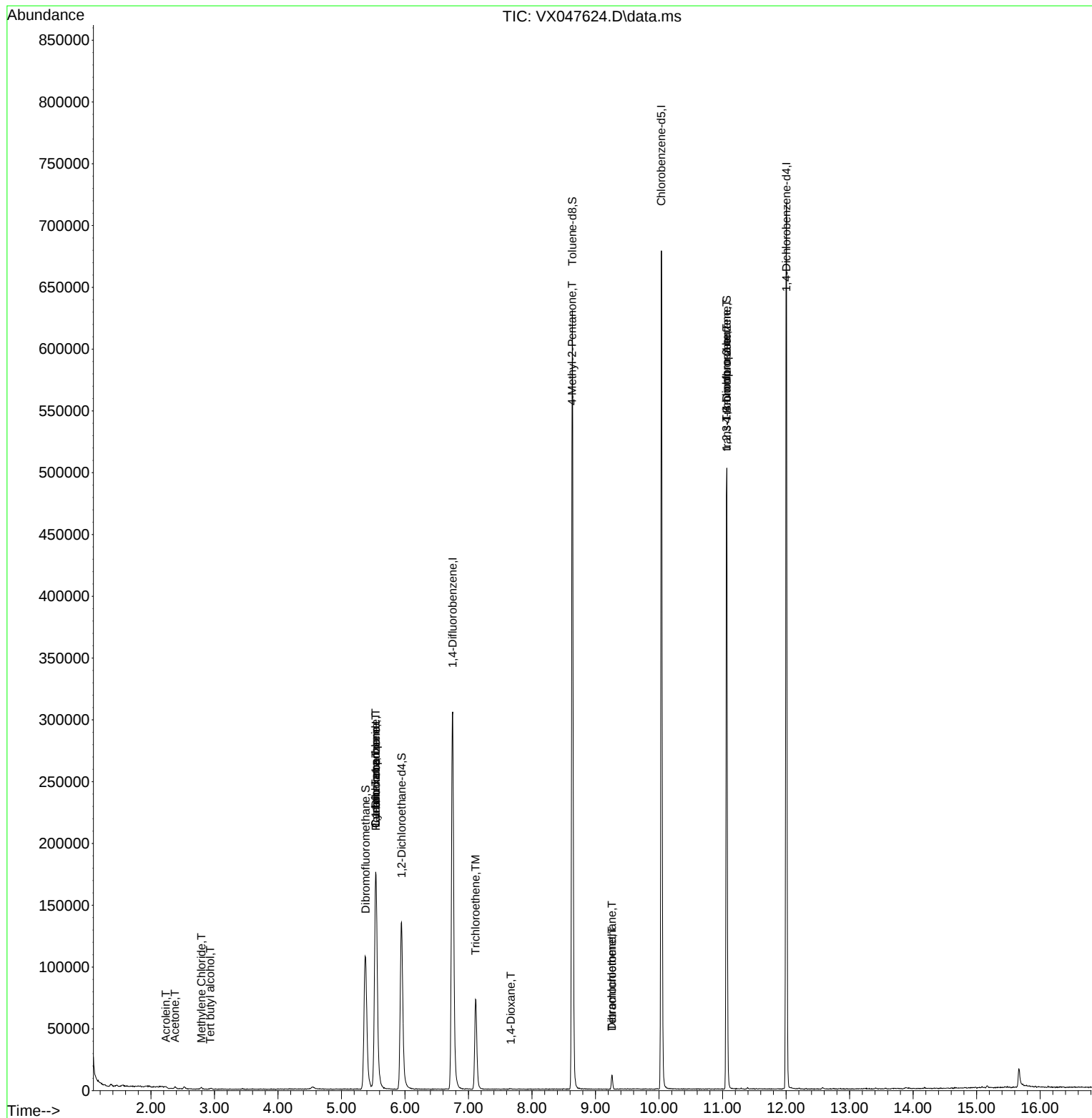
Internal Standards						
1) Pentafluorobenzene	5.543	168	178815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	331711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	146658	51.526	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.060%
35) Dibromofluoromethane	5.379	113	108715	48.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.740%
50) Toluene-d8	8.634	98	374888	48.701	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.400%
62) 4-Bromofluorobenzene	11.067	95	144718	49.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	77	0.243	ug/l #	72
13) Acrolein	2.233	56	79	0.270	ug/l #	47
16) Acetone	2.379	43	2194	1.773	ug/l #	61
20) Methylene Chloride	2.794	84	727	0.278	ug/l #	89
31) Cyclohexane	5.537	56	4150	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	15423	4.744	ug/l #	49
38) Carbon Tetrachloride	5.537	117	19517	5.526	ug/l #	17
44) Trichloroethene	7.110	130	30850	12.924	ug/l	99
49) 1,4-Dioxane	7.665	88	358	12.458	ug/l #	81
51) 4-Methyl-2-Pentanone	8.628	43	1853	0.585	ug/l #	1
60) Dibromochloromethane	9.256	129	2242	0.830	ug/l #	11
64) Tetrachloroethene	9.256	164	2234	1.128	ug/l	93
76) 1,2,3-Trichloropropane	11.061	75	76161	25.901	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	76161	66.052	ug/l #	8

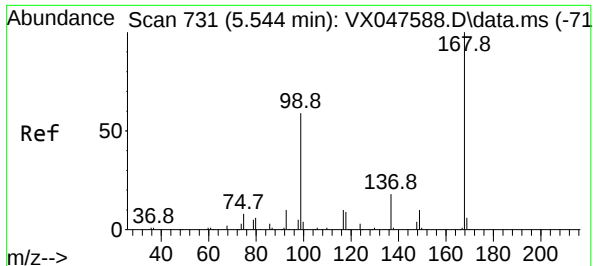
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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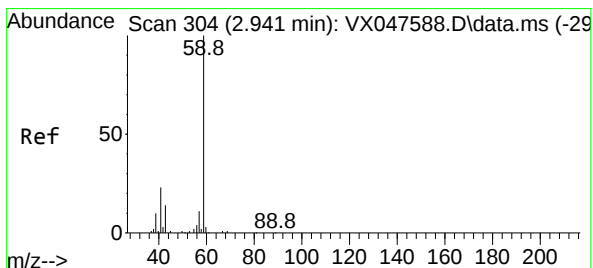
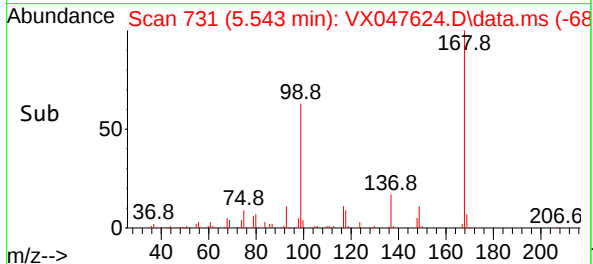
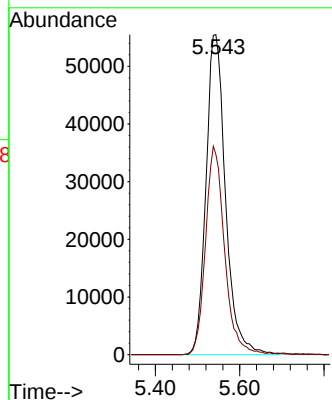
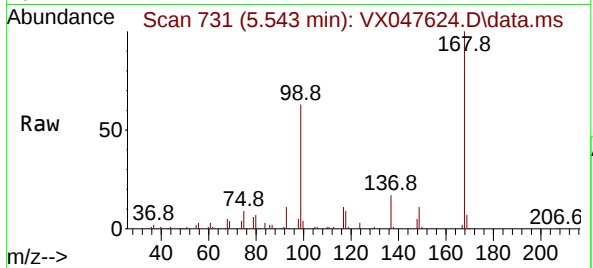




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

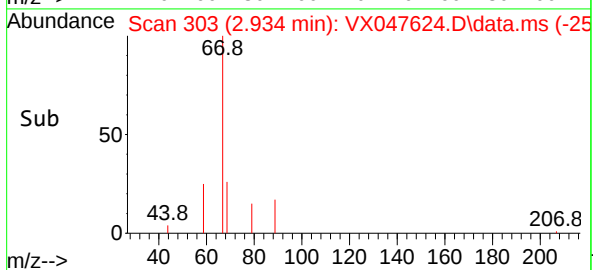
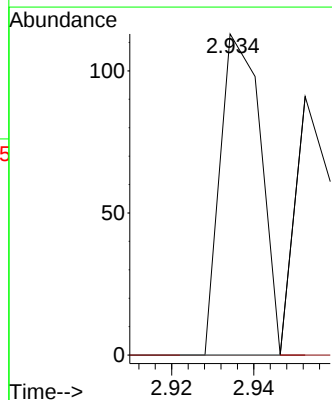
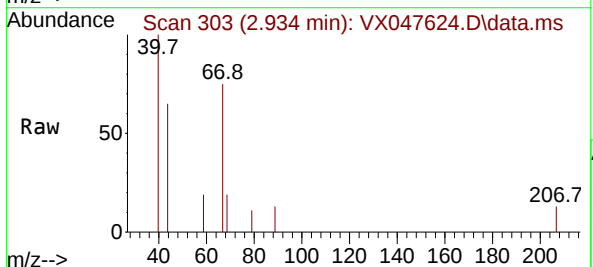
Instrument :
MSVOA_X
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RE126D1-20250910

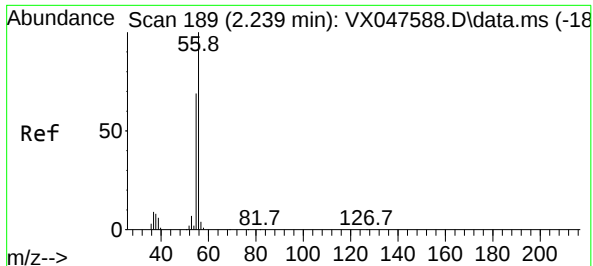
Tgt Ion:168 Resp: 178815
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

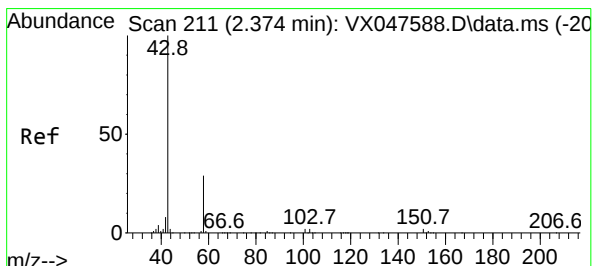
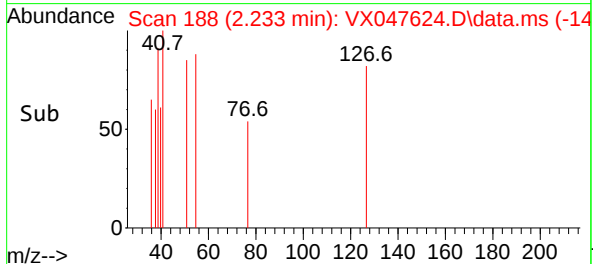
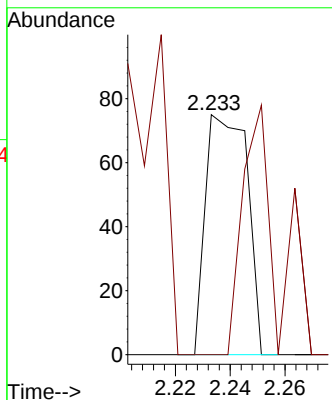
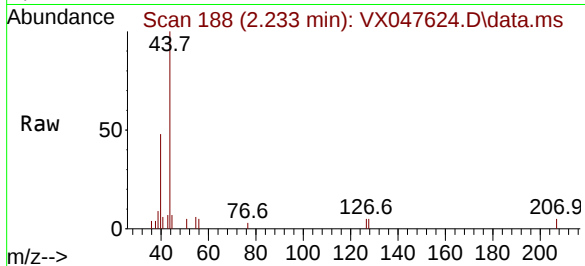




#13
Acrolein
Concen: 0.270 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

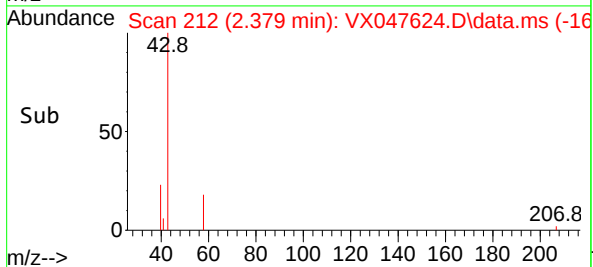
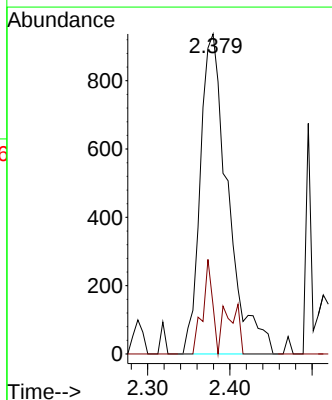
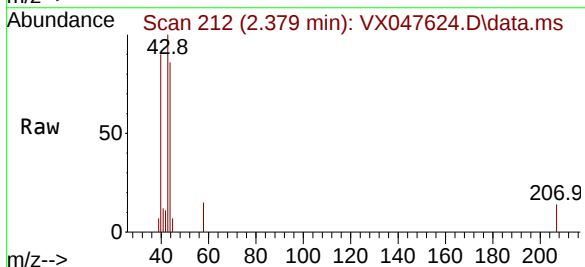
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

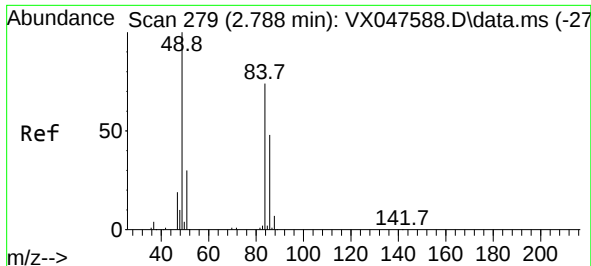
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 115.2 57.2 85.8#



#16
Acetone
Concen: 1.773 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
58 8.2 23.4 35.0#

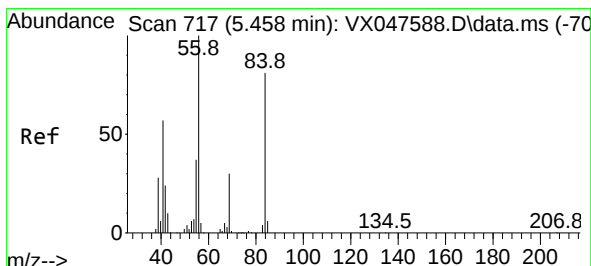
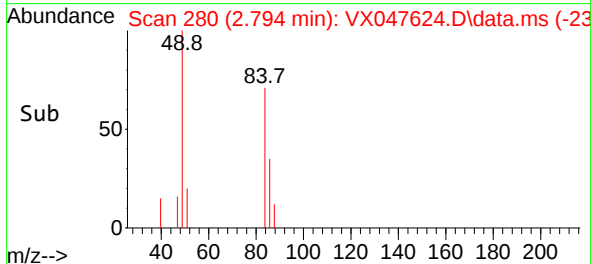
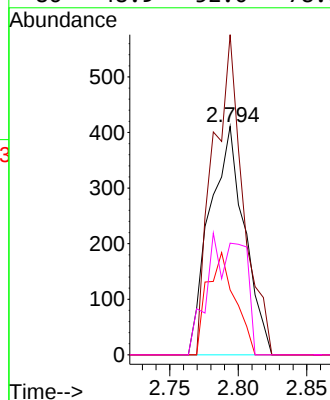
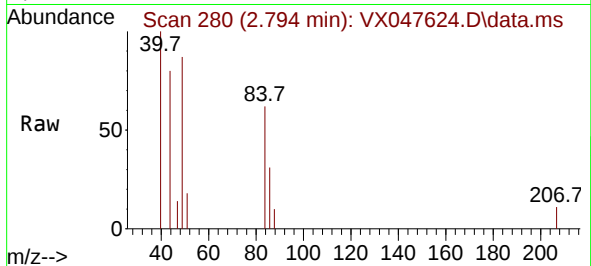




#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

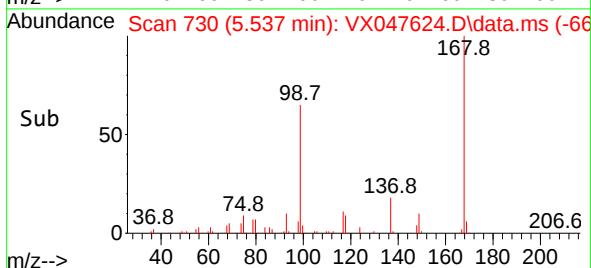
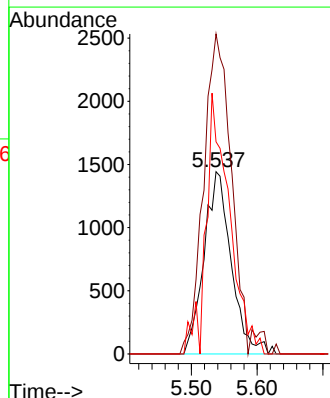
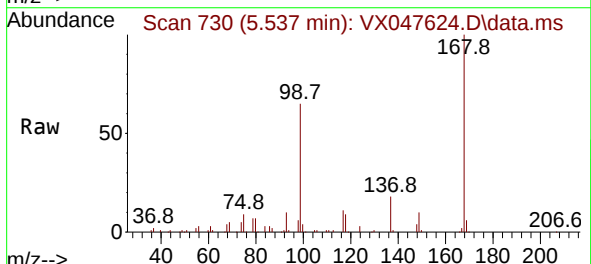
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion:	84	Resp:	727
Ion	Ratio	Lower	Upper
84	100		
49	140.1	108.6	162.8
51	28.5	32.6	48.8#
86	48.9	52.0	78.0#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:	56	Resp:	4150
Ion	Ratio	Lower	Upper
56	100		
69	175.5	23.8	35.8#
84	116.4	64.6	97.0#

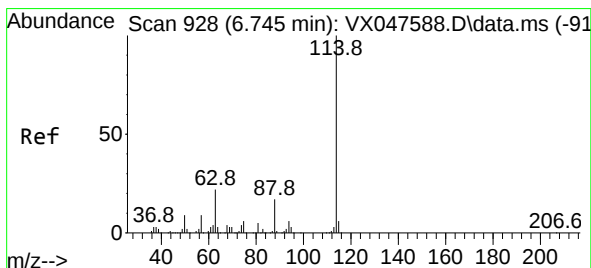
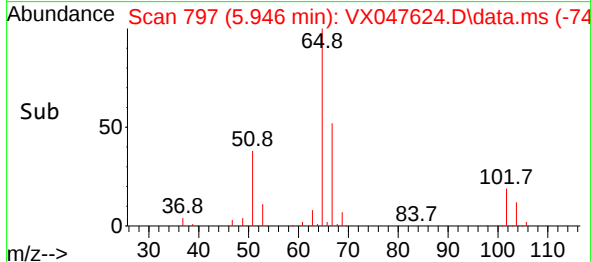
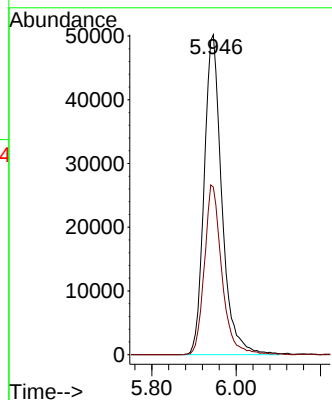
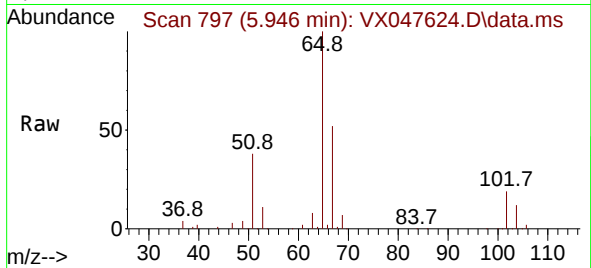




#33
 1,2-Dichloroethane-d4
 Concen: 51.526 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX047624.D
 Acq: 17 Sep 2025 17:16

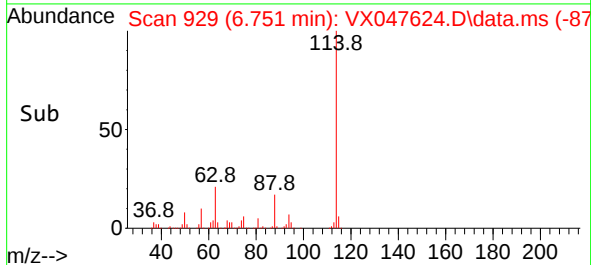
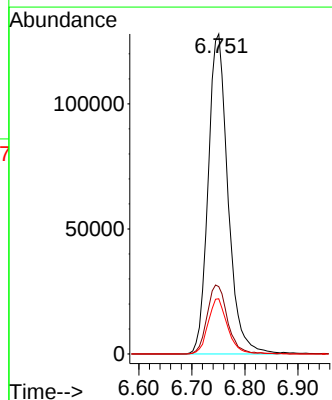
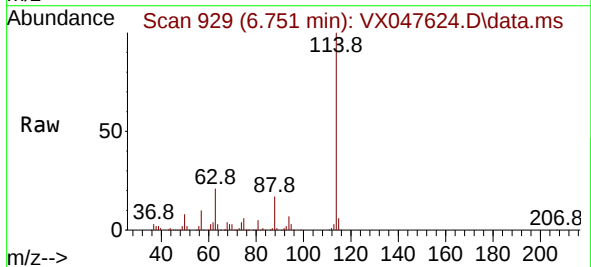
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D1-20250910

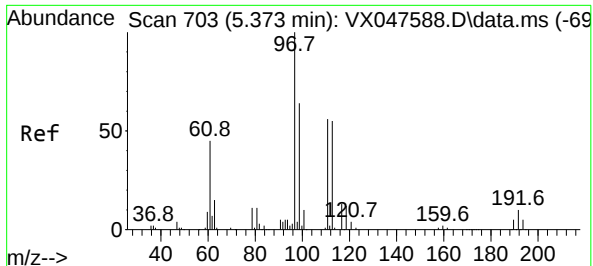
Tgt Ion: 65 Resp: 146658
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047624.D
 Acq: 17 Sep 2025 17:16

Tgt Ion: 114 Resp: 331711
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.0
 88 17.2 0.0 34.2

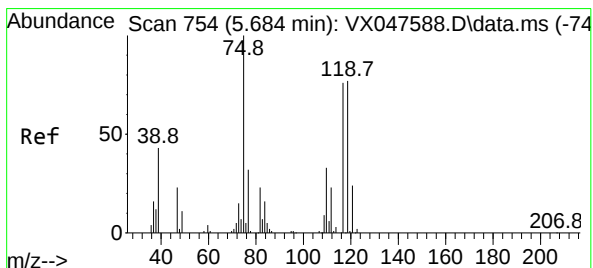
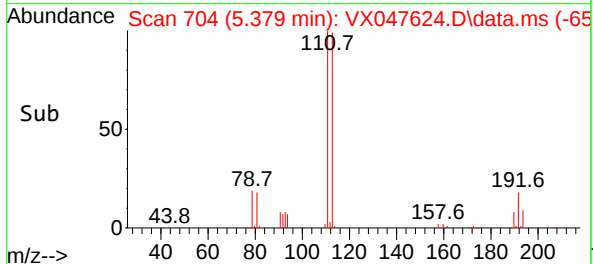
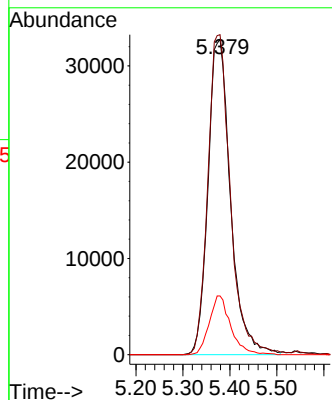
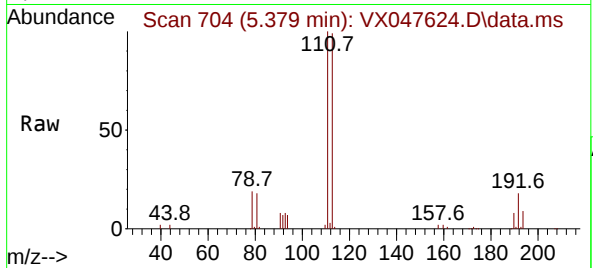




#35
Dibromofluoromethane
Concen: 48.869 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

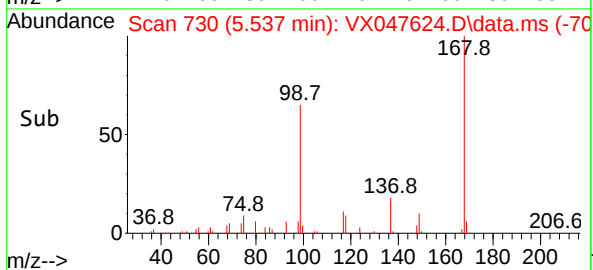
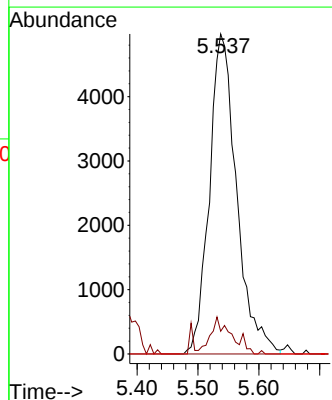
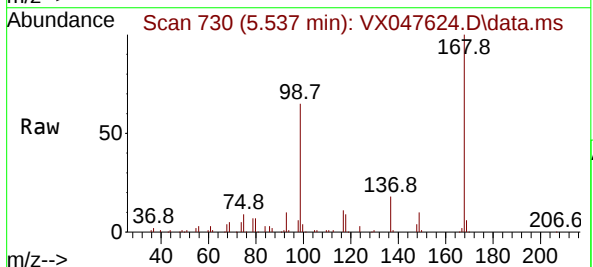
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Tgt Ion:113 Resp: 108715
Ion Ratio Lower Upper
113 100
111 101.8 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 75 Resp: 15423
Ion Ratio Lower Upper
75 100
110 6.5 16.7 50.1#
77 0.0 24.3 36.5#

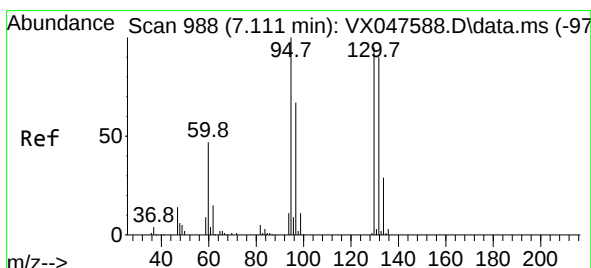
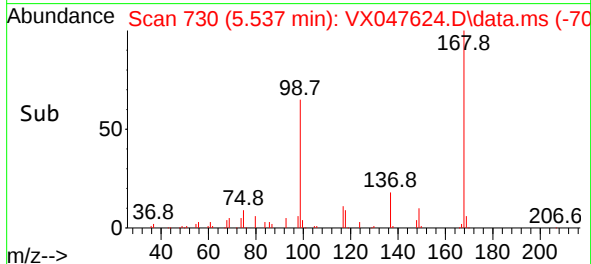
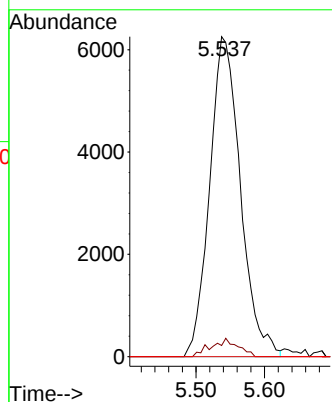
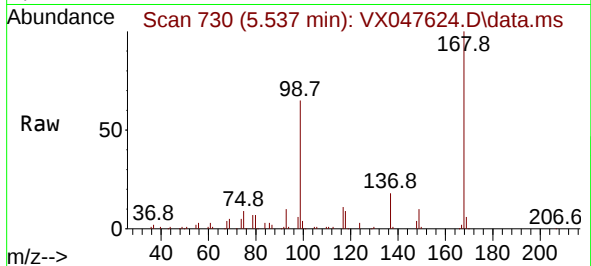




#38
Carbon Tetrachloride
Concen: 5.526 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

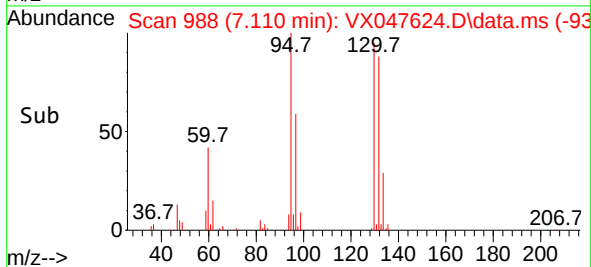
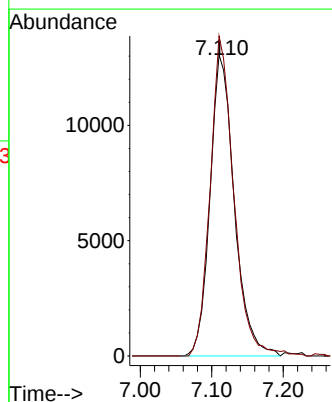
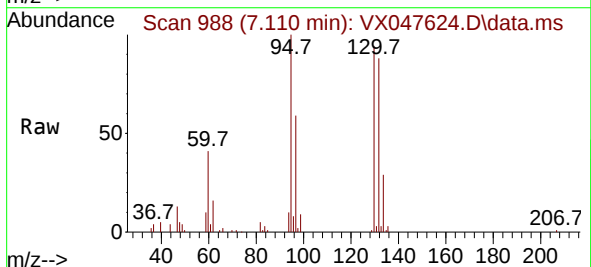
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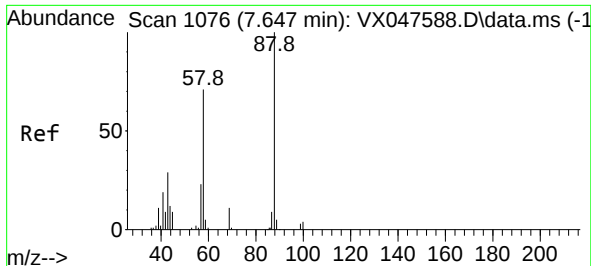
Tgt Ion:117 Resp: 19517
Ion Ratio Lower Upper
117 100
119 3.5 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 12.924 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:130 Resp: 30850
Ion Ratio Lower Upper
130 100
95 106.2 0.0 210.8





#49

1,4-Dioxane

Concen: 12.458 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047624.D

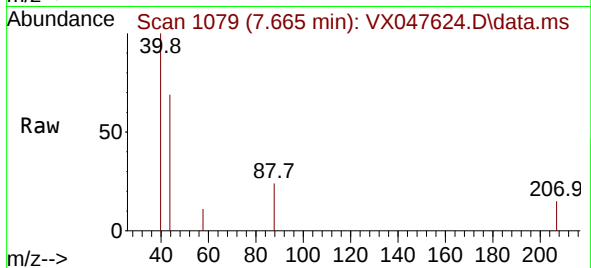
Acq: 17 Sep 2025 17:16

Instrument :

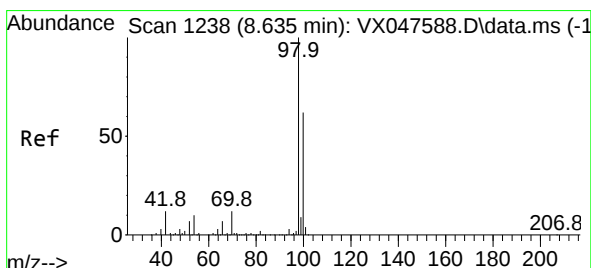
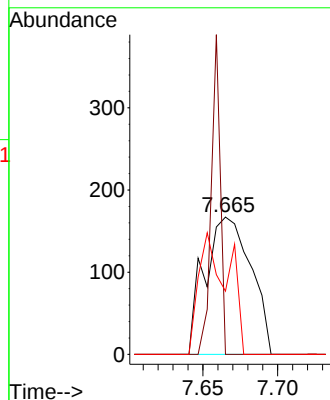
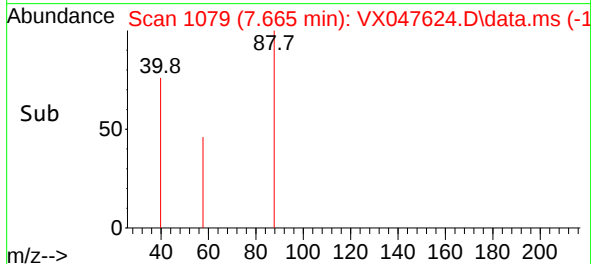
MSVOA_X

ClientSampleId :

RE126D1-20250910



Tgt Ion:	88	Resp:	358
Ion	Ratio	Lower	Upper
88	100		
43	45.3	30.2	45.2#
58	56.1	59.5	89.3#



#50

Toluene-d8

Concen: 48.701 ug/l

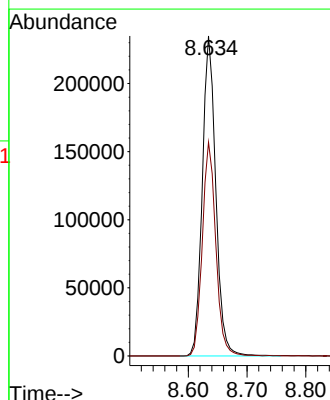
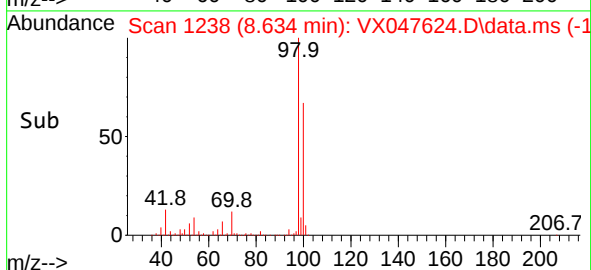
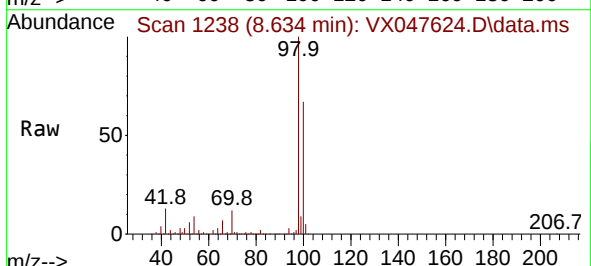
RT: 8.634 min Scan# 1238

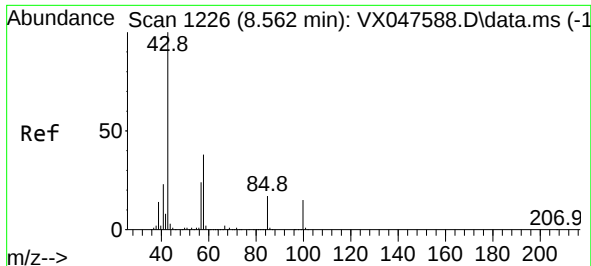
Delta R.T. -0.000 min

Lab File: VX047624.D

Acq: 17 Sep 2025 17:16

Tgt Ion:	98	Resp:	374888
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

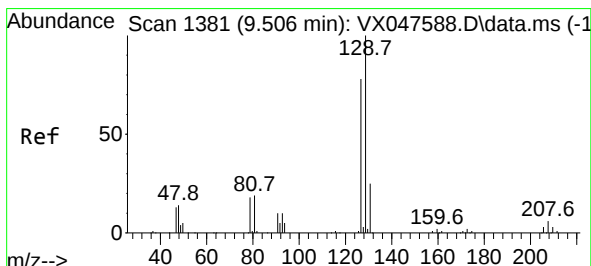
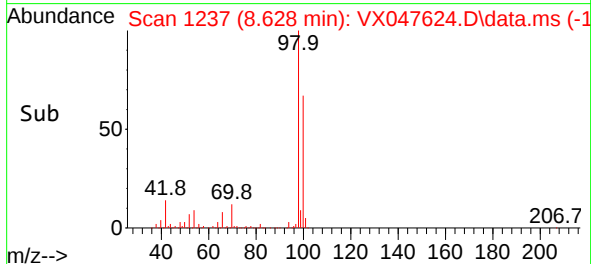
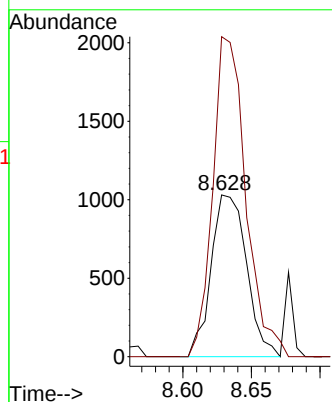
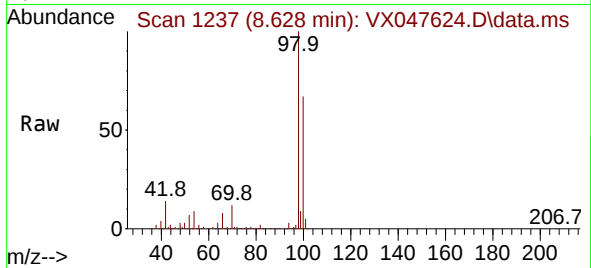




#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

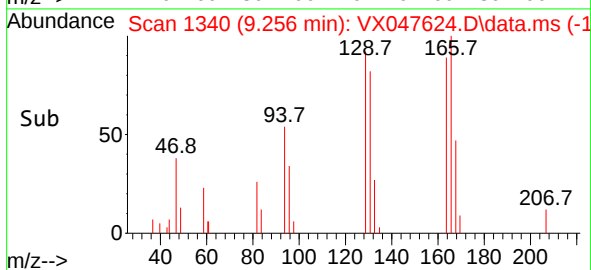
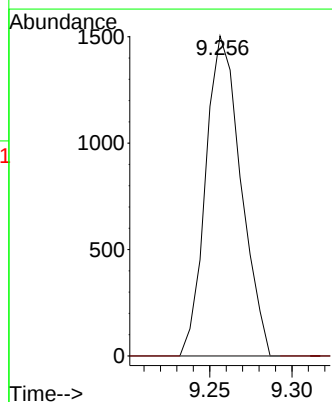
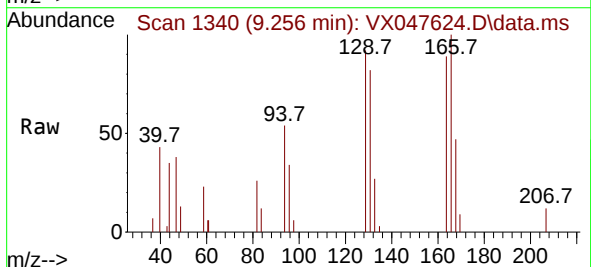
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

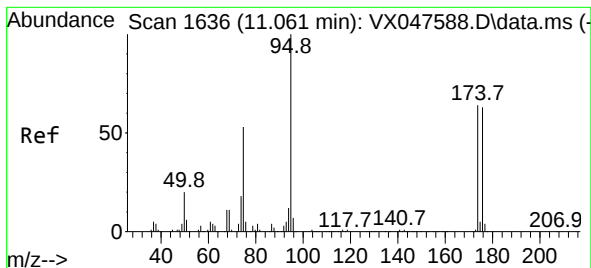
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
58 184.1 30.3 45.5#



#60
Dibromochloromethane
Concen: 0.830 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 129 Resp: 2242
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

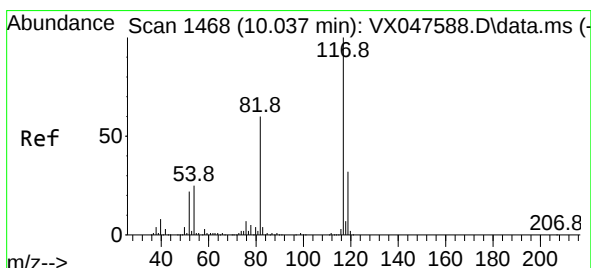
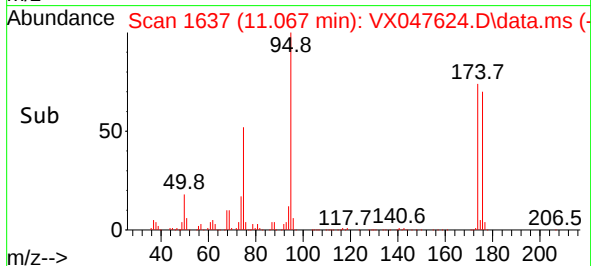
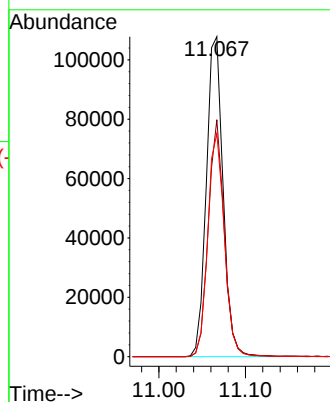
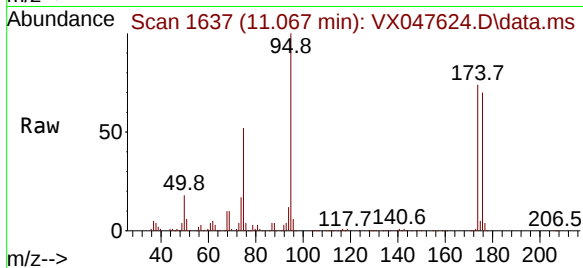




#62
4-Bromofluorobenzene
Concen: 49.537 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

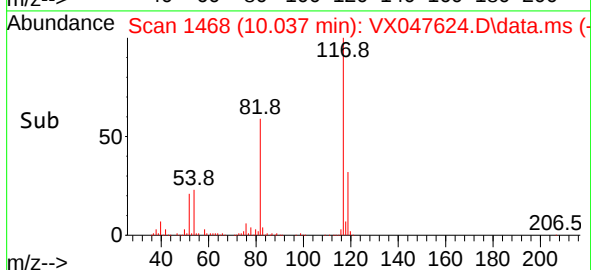
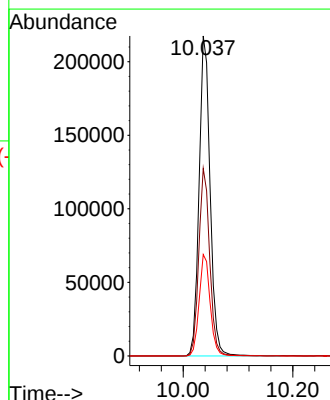
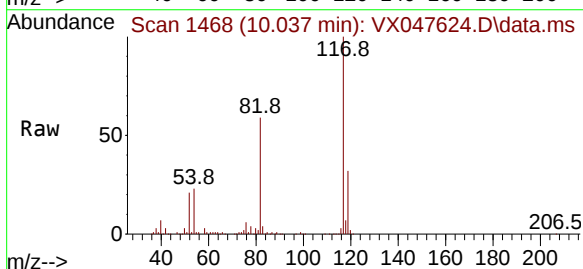
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

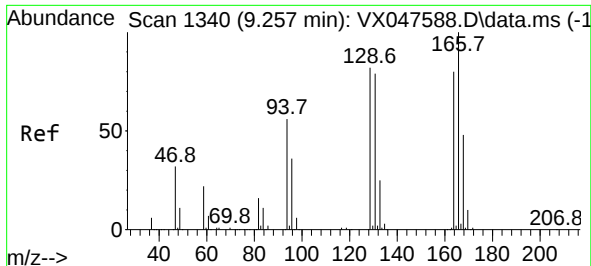
Tgt Ion: 95 Resp: 144718
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 69.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 117 Resp: 303773
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 31.7 25.2 37.8

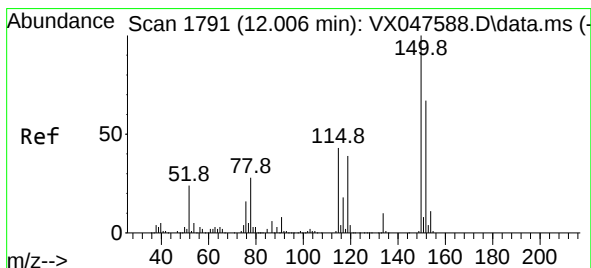
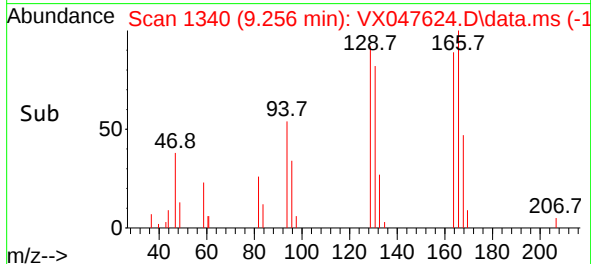
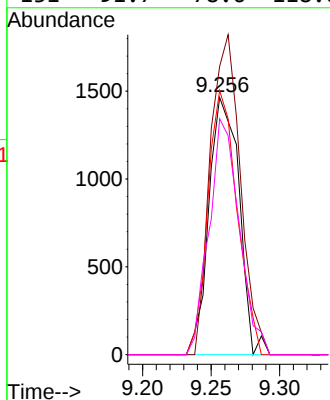
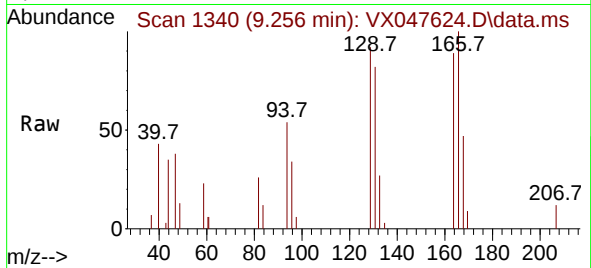




#64
Tetrachloroethene
Concen: 1.128 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

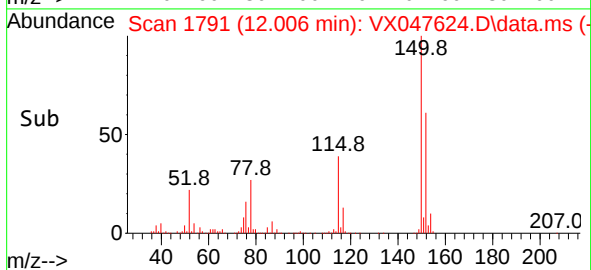
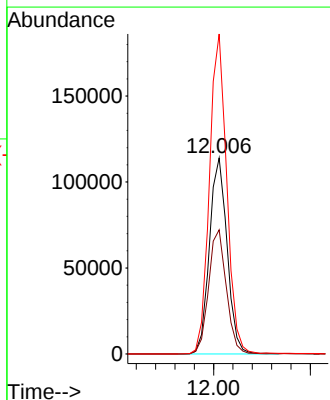
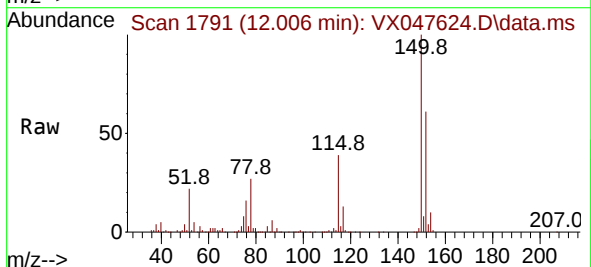
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

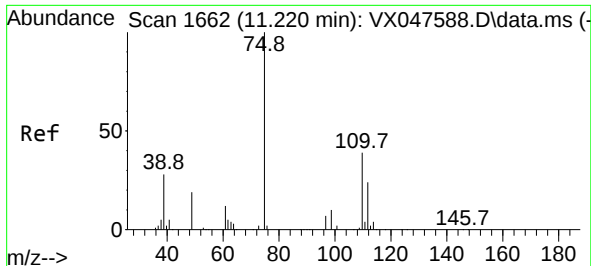
Tgt Ion:164	Resp:	2234	
Ion	Ratio	Lower	Upper
164	100		
166	112.1	100.2	150.2
129	102.7	81.8	122.6
131	91.7	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:152	Resp:	145228	
Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	160.1	0.0	352.0

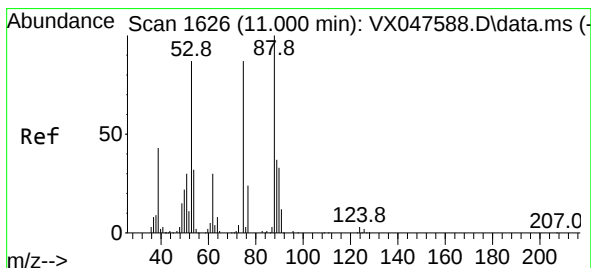
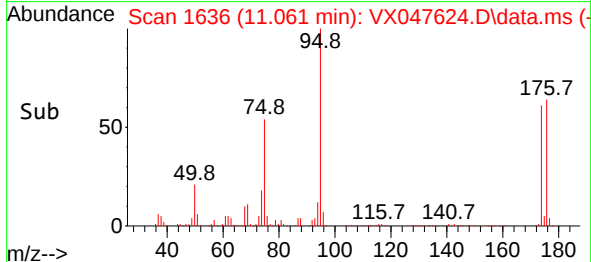
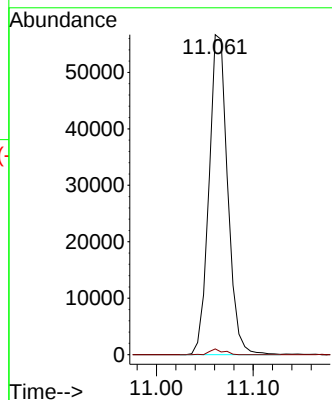
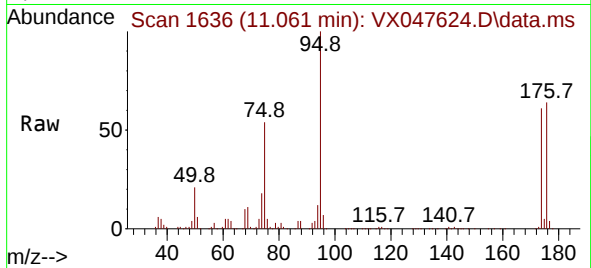




#76
1,2,3-Trichloropropane
Concen: 25.901 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion: 75 Resp: 76161
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.052 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 75 Resp: 76161
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

