

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
 Data File : VX047881.D
 Acq On : 29 Sep 2025 14:17
 Operator : JC/MD
 Sample : Q3156-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20250918

Quant Time: Sep 30 01:20:51 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)

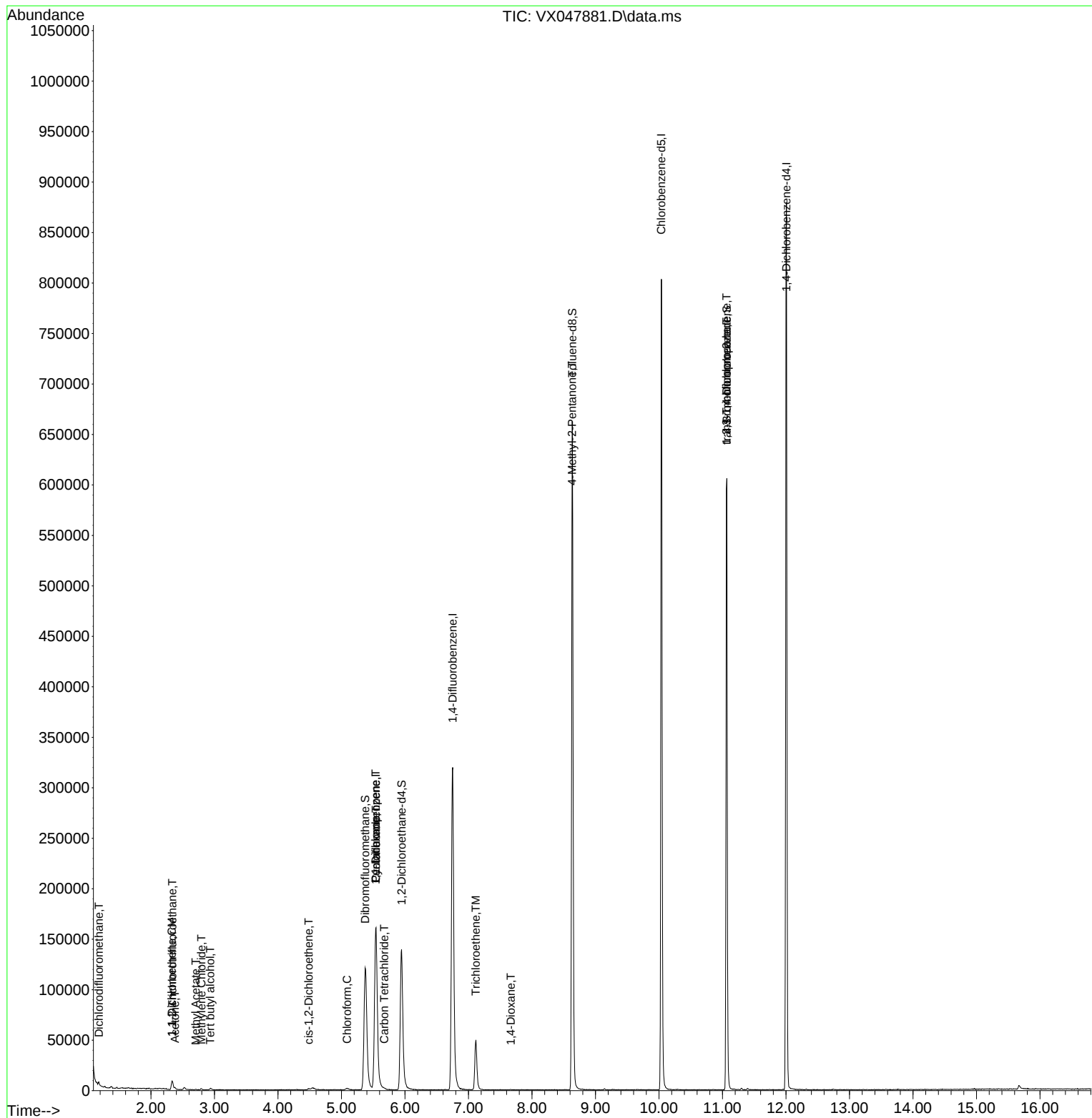
Internal Standards						
1) Pentafluorobenzene	5.544	168	162647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	350912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	362589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	185913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	149345	57.686	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.380%
35) Dibromofluoromethane	5.373	113	120639	51.261	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	8.635	98	400117	49.135	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.260%
62) 4-Bromofluorobenzene	11.067	95	175559	56.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.620%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	1486	0.882	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.337	101	3143	1.671	ug/l	96
11) Tert butyl alcohol	2.934	59	333	1.155	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1012	0.524	ug/l #	70
16) Acetone	2.380	43	2314	2.056	ug/l #	88
18) Methyl Acetate	2.703	43	560	0.224	ug/l #	72
20) Methylene Chloride	2.794	84	522	0.219	ug/l #	70
27) cis-1,2-Dichloroethene	4.483	96	548	0.215	ug/l	80
30) Chloroform	5.087	83	2056	0.495	ug/l	89
31) Cyclohexane	5.544	56	3881	1.134	ug/l #	28
36) 1,1-Dichloropropene	5.538	75	13939	4.053	ug/l #	51
38) Carbon Tetrachloride	5.672	117	1131	0.303	ug/l #	96
44) Trichloroethene	7.117	130	20527	8.129	ug/l	99
49) 1,4-Dioxane	7.665	88	137	4.507	ug/l #	77
51) 4-Methyl-2-Pentanone	8.629	43	2037	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	90047	23.922	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	90047	61.005	ug/l #	8

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

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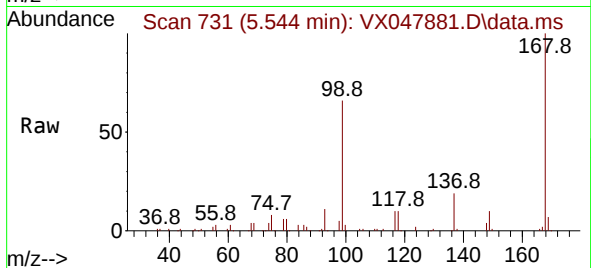
Quant Time: Sep 30 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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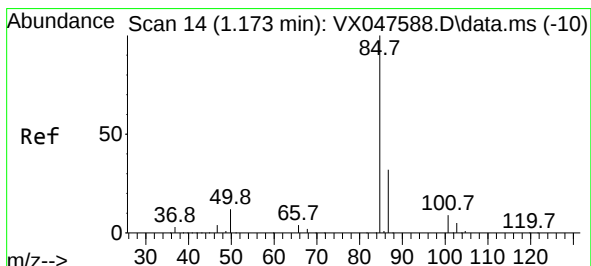
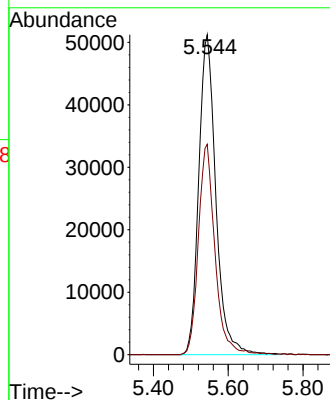
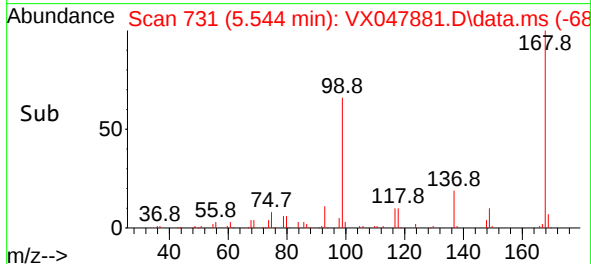


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

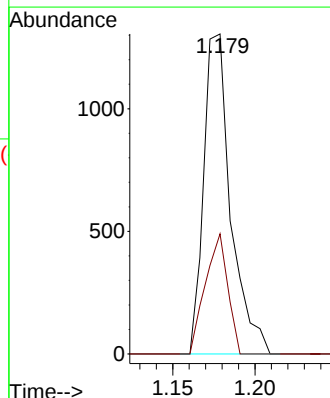
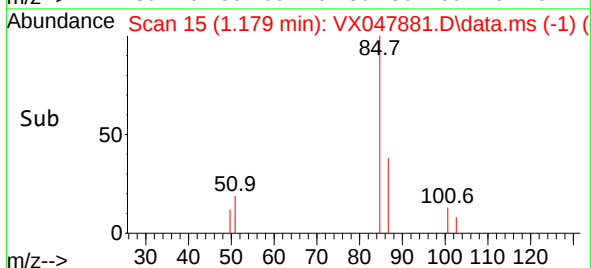
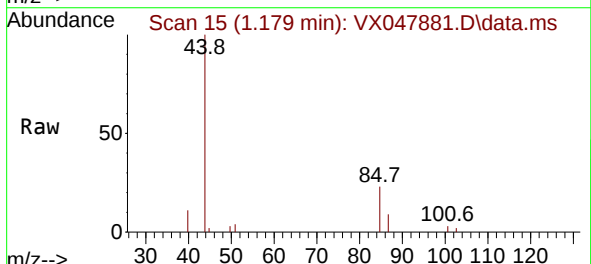


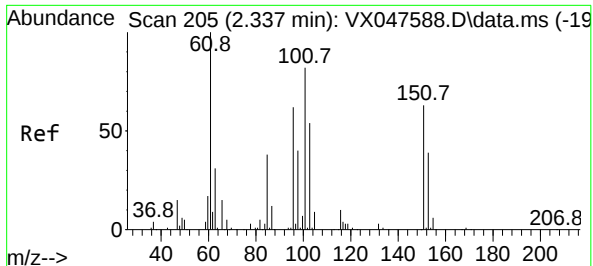
Tgt Ion:168 Resp: 162647
Ion Ratio Lower Upper
168 100
99 65.7 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.882 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 85 Resp: 1486
Ion Ratio Lower Upper
85 100
87 37.5 15.8 47.3

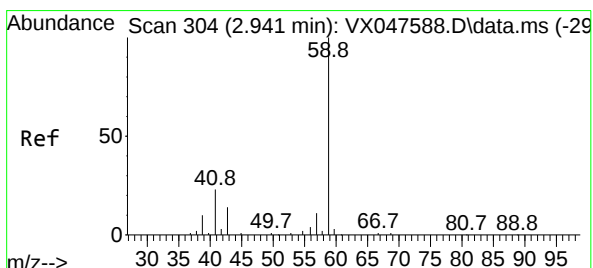
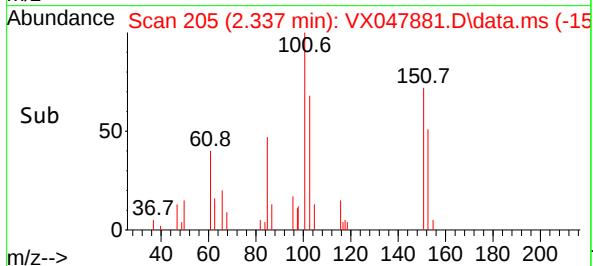
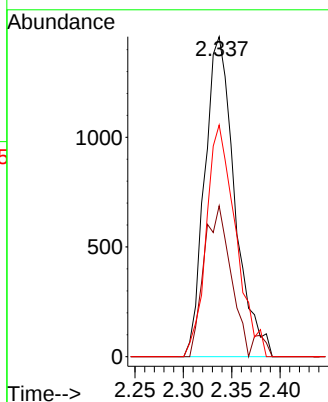
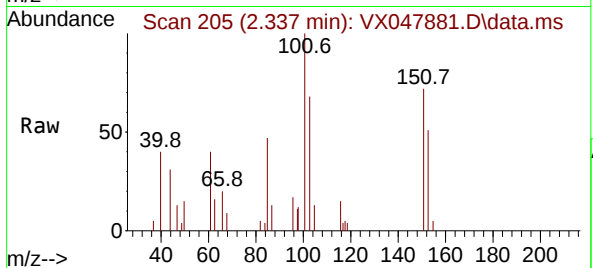




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.671 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

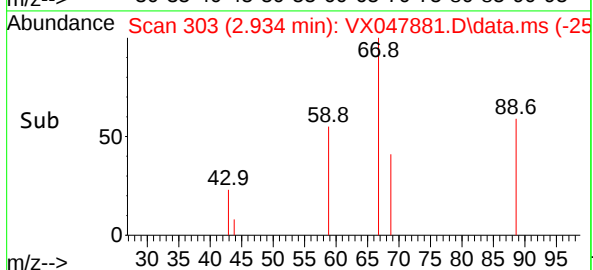
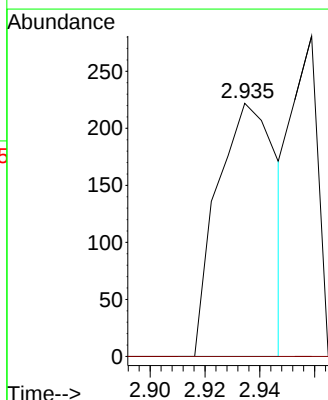
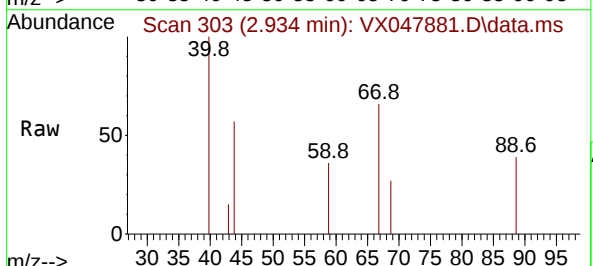
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

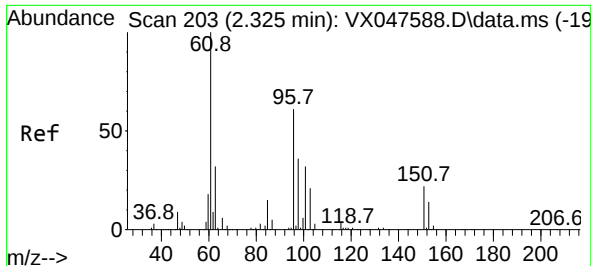
Tgt Ion:101 Resp: 3143
Ion Ratio Lower Upper
101 100
85 42.1 35.5 53.3
151 70.9 59.4 89.0



#11
Tert butyl alcohol
Concen: 1.155 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

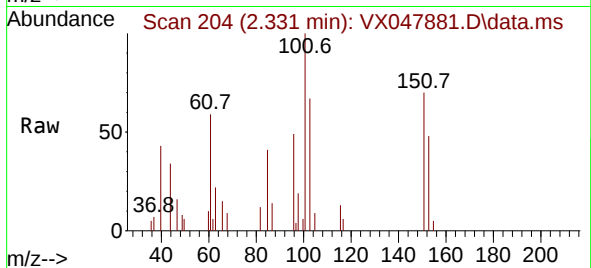
Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





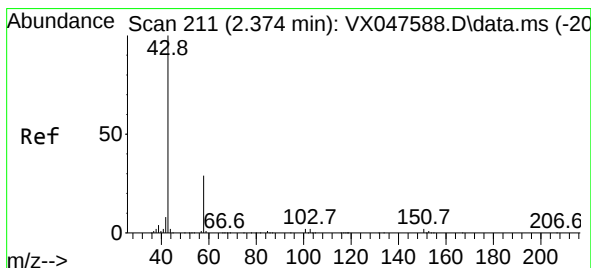
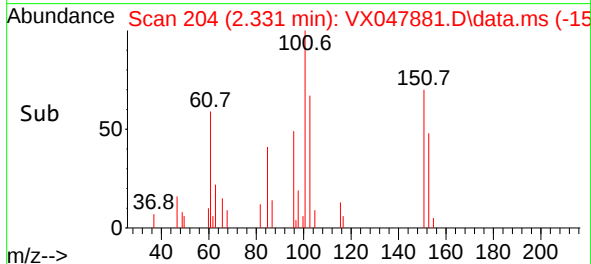
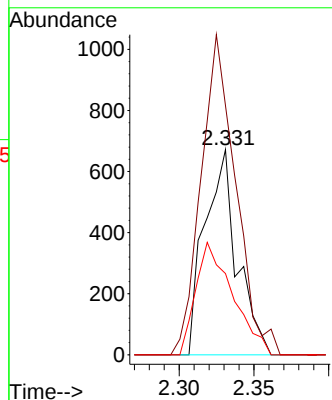
#12
 1,1-Dichloroethene
 Concen: 0.524 ug/l
 RT: 2.331 min Scan# 203
 Delta R.T. 0.006 min
 Lab File: VX047881.D
 Acq: 29 Sep 2025 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20250918



Tgt Ion: 96 Resp: 1012

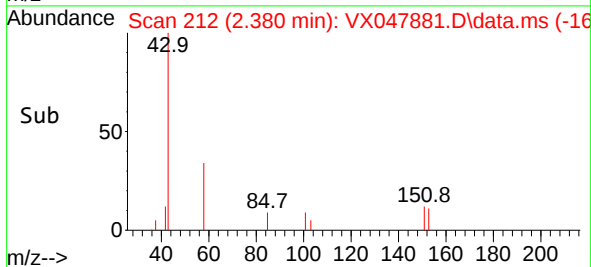
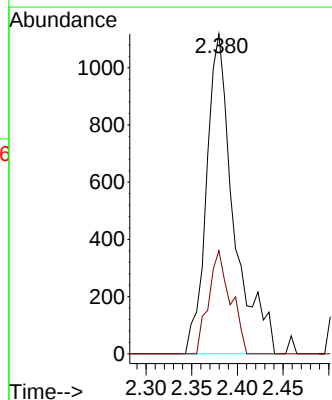
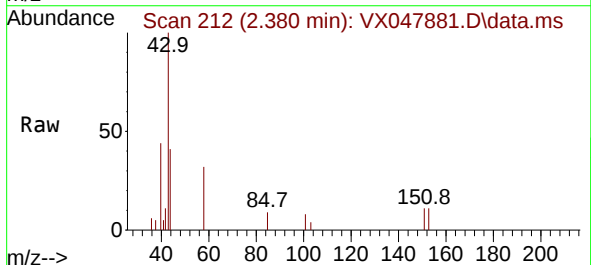
Ion	Ratio	Lower	Upper
96	100		
61	121.4	131.0	196.6#
98	39.6	47.7	71.5#

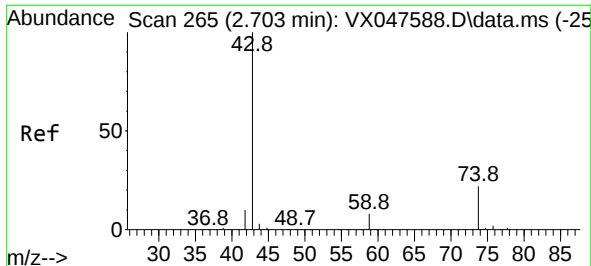


#16
 Acetone
 Concen: 2.056 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX047881.D
 Acq: 29 Sep 2025 14:17

Tgt Ion: 43 Resp: 2314

Ion	Ratio	Lower	Upper
43	100		
58	22.8	23.4	35.0#

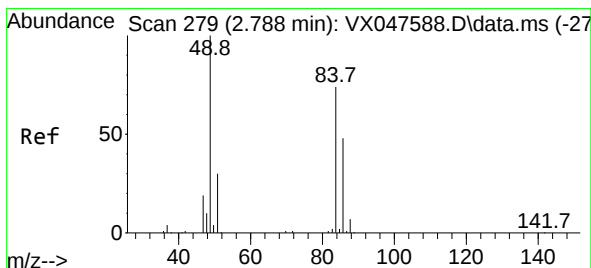
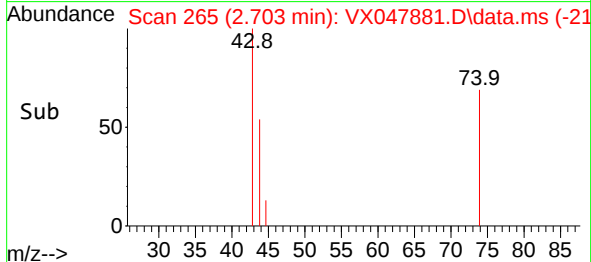
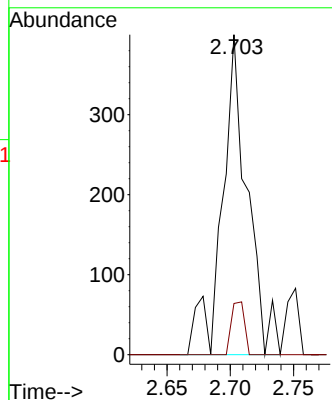
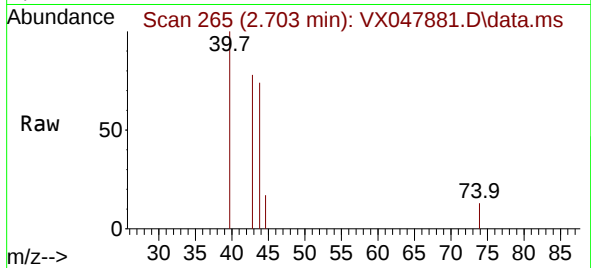




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

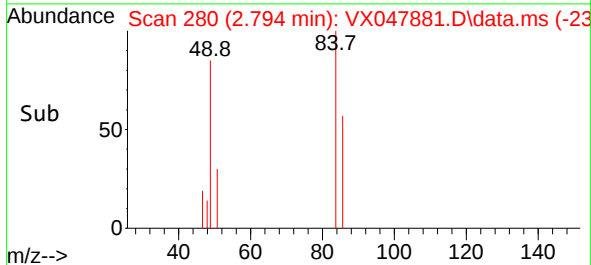
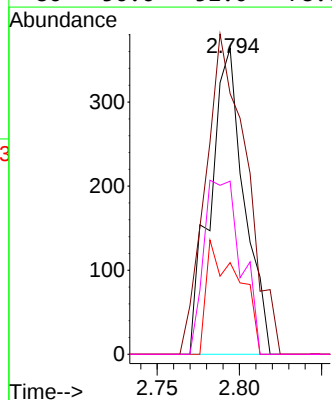
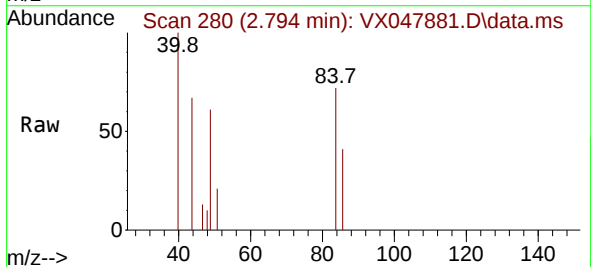
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

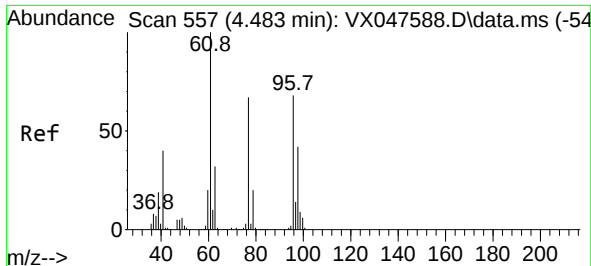
Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
74 8.6 17.4 26.2#



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 84 Resp: 522
Ion Ratio Lower Upper
84 100
49 85.2 108.6 162.8#
51 29.9 32.6 48.8#
86 56.6 52.0 78.0

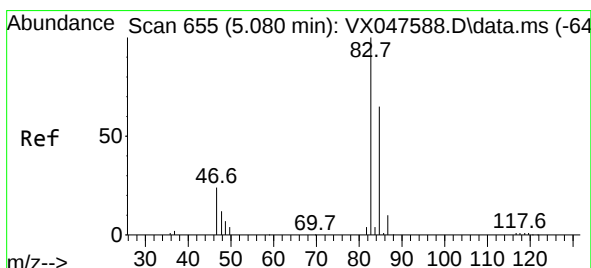
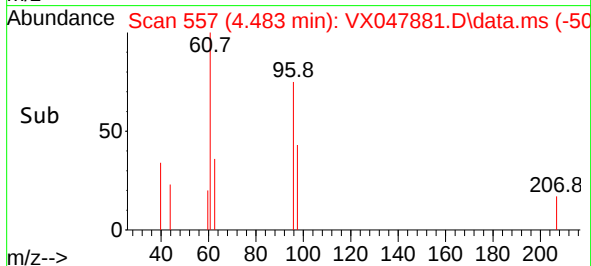
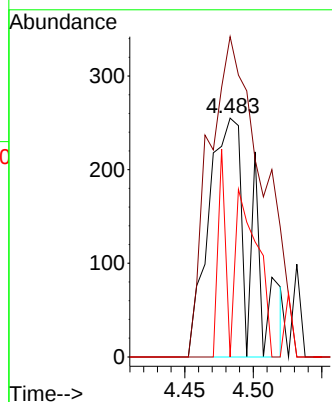
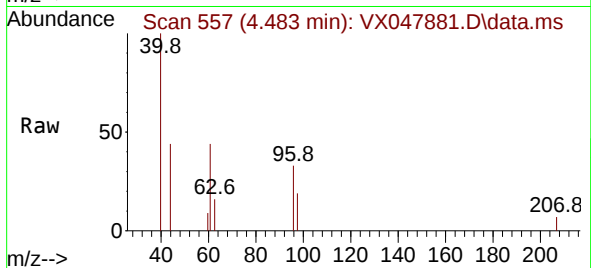




#27
 cis-1,2-Dichloroethene
 Concen: 0.215 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX047881.D
 Acq: 29 Sep 2025 14:17

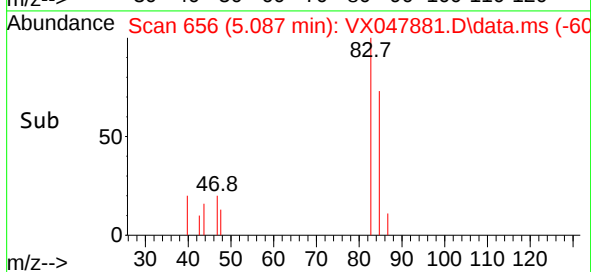
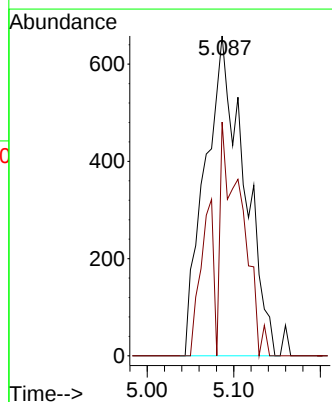
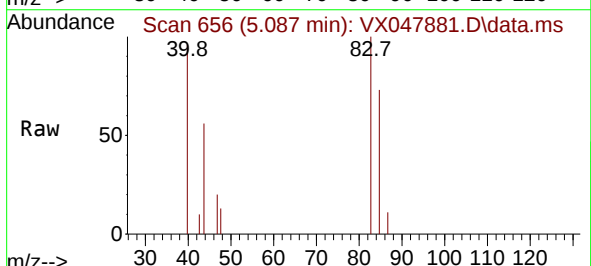
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20250918

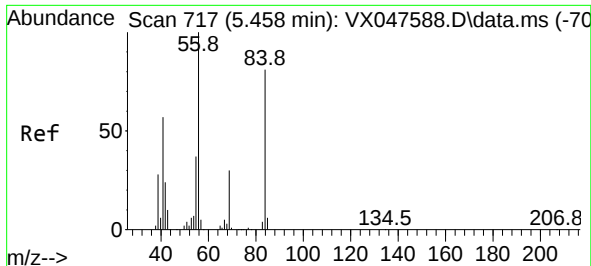
Tgt Ion:	96	Resp:	548
Ion	Ratio	Lower	Upper
96	100		
61	169.3	0.0	303.2
98	37.0	0.0	127.8



#30
 Chloroform
 Concen: 0.495 ug/l
 RT: 5.087 min Scan# 656
 Delta R.T. 0.006 min
 Lab File: VX047881.D
 Acq: 29 Sep 2025 14:17

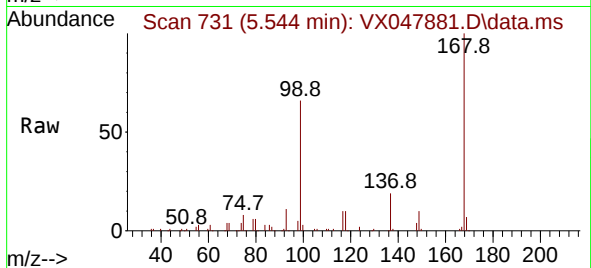
Tgt Ion:	83	Resp:	2056
Ion	Ratio	Lower	Upper
83	100		
85	73.1	51.8	77.6



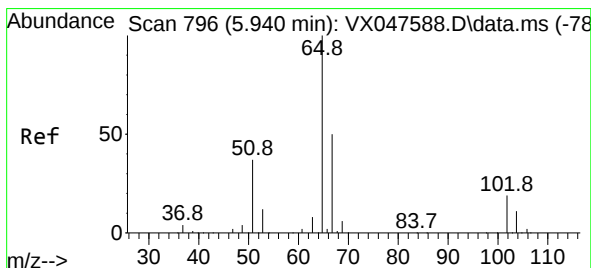
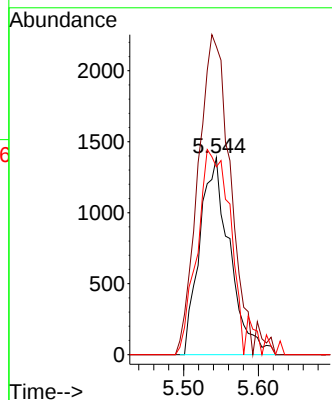
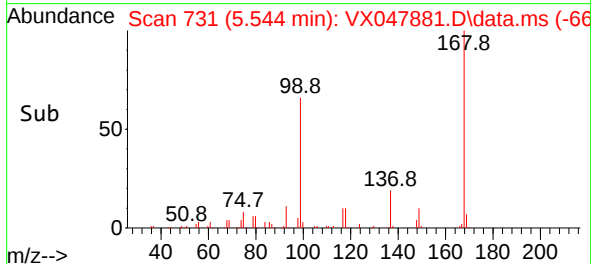


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

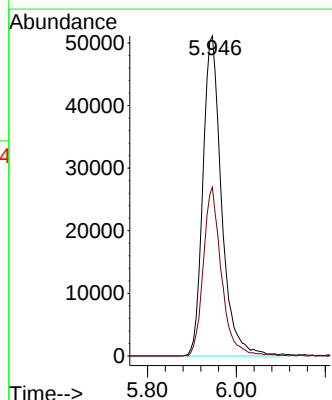
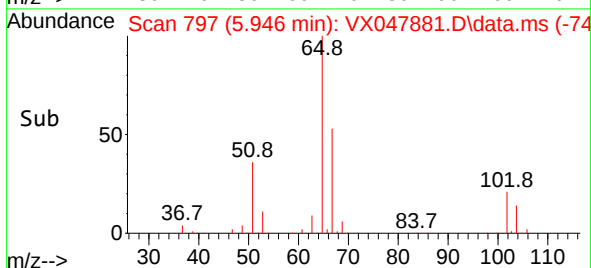
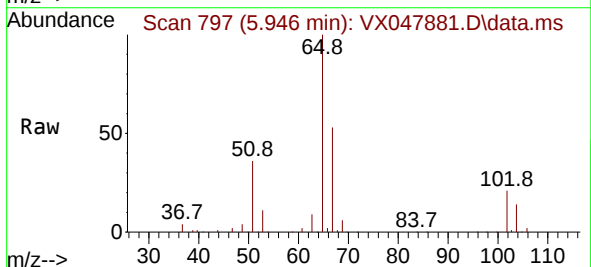


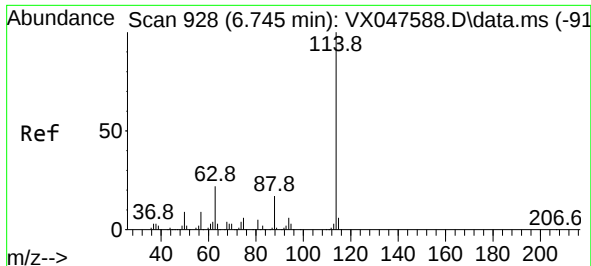
Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 156.5 23.8 35.8#
84 91.7 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 57.686 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 65 Resp: 149345
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0

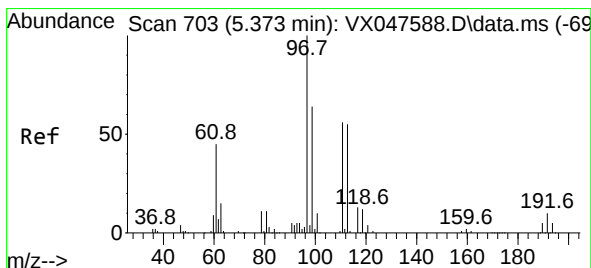
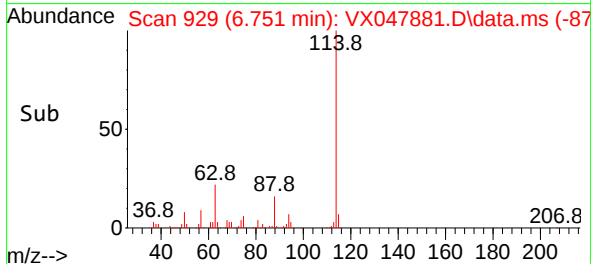
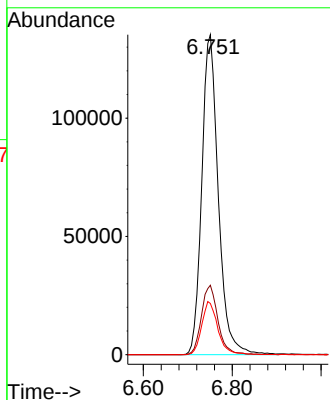
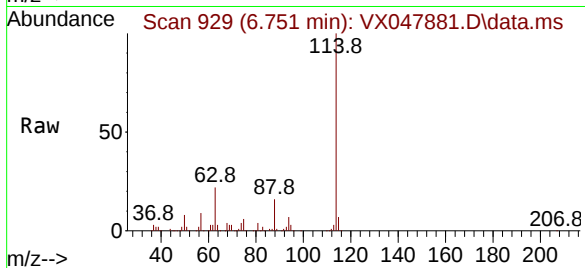




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

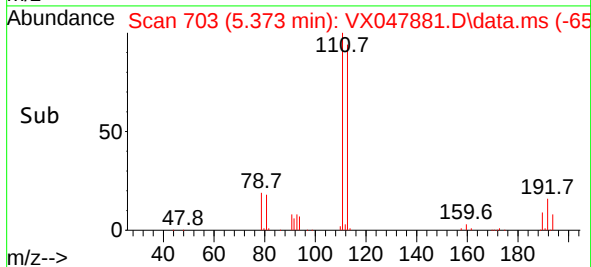
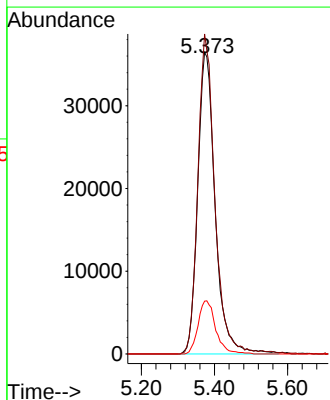
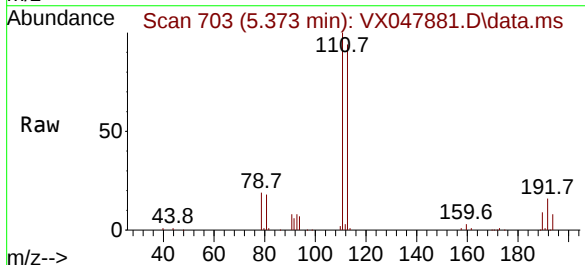
Instrument :
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ClientSampleId :
DUP09-20250918

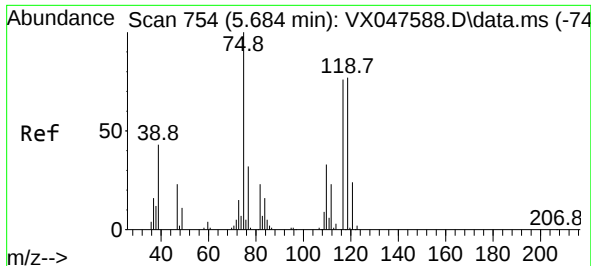
Tgt Ion:114 Resp: 350912
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion:113 Resp: 120639
Ion Ratio Lower Upper
113 100
111 102.6 80.9 121.3
192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.053 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047881.D

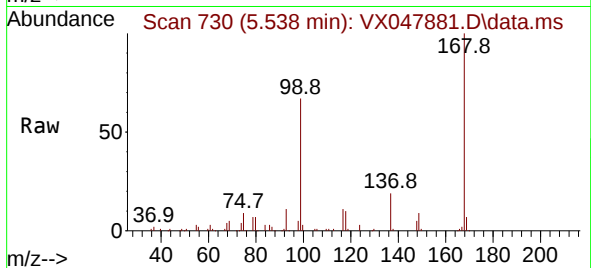
Acq: 29 Sep 2025 14:17

Instrument :

MSVOA_X

ClientSampleId :

DUP09-20250918



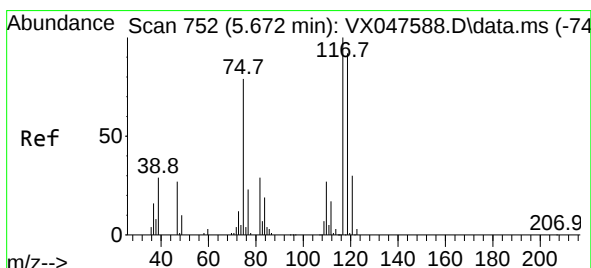
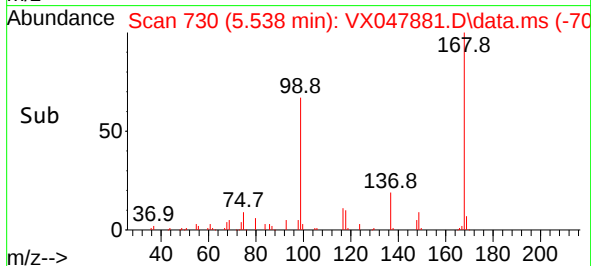
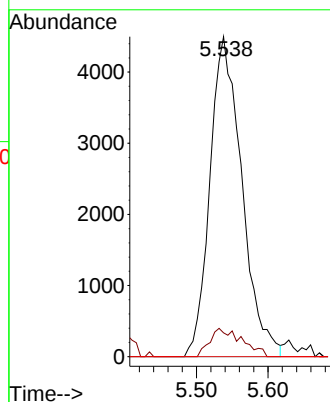
Tgt Ion: 75 Resp: 13939

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 0.303 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX047881.D

Acq: 29 Sep 2025 14:17

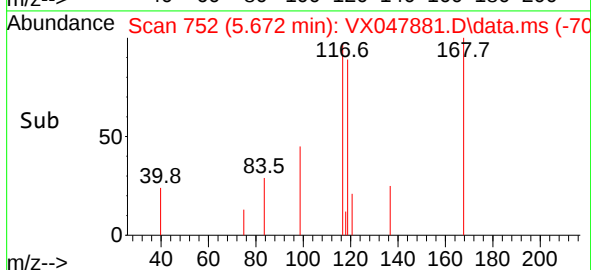
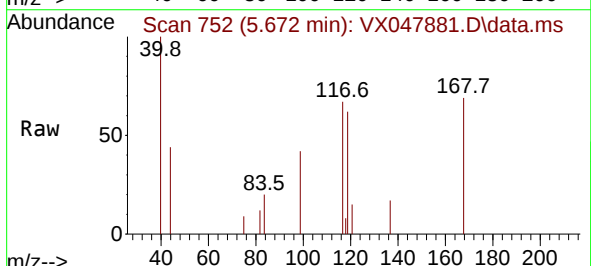
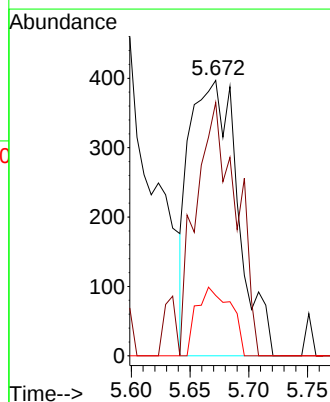
Tgt Ion: 117 Resp: 1131

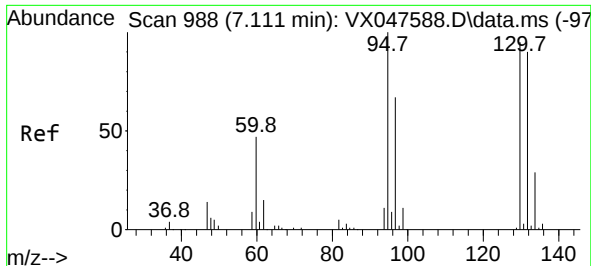
Ion Ratio Lower Upper

117 100

119 91.9 73.4 110.2

121 21.9 23.8 35.6#

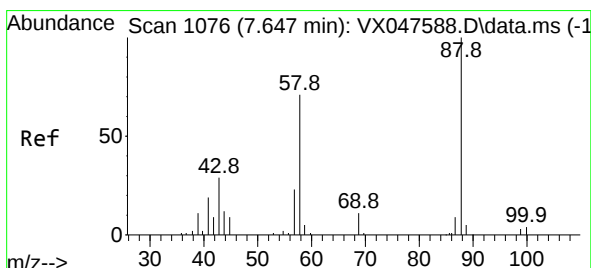
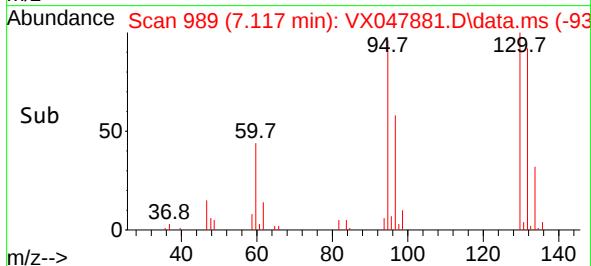
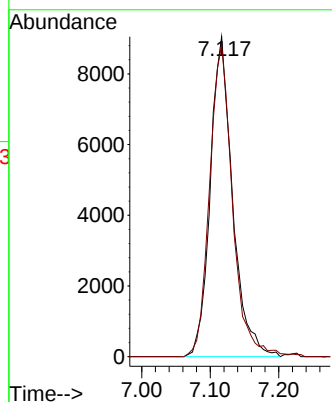
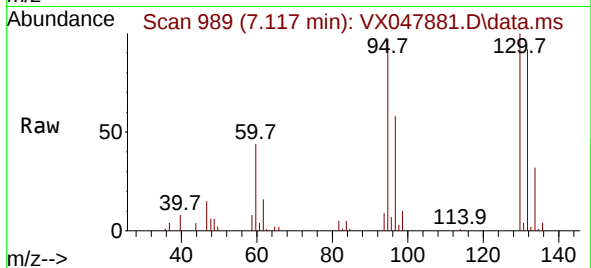




#44
Trichloroethene
Concen: 8.129 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

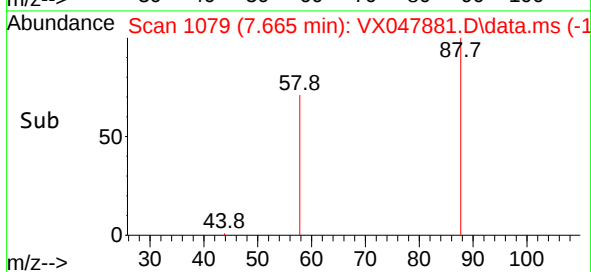
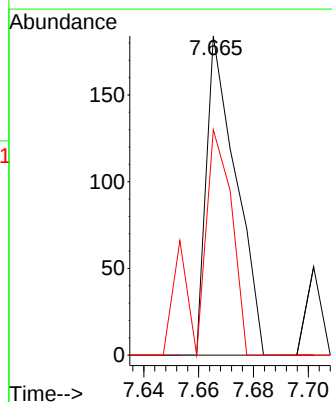
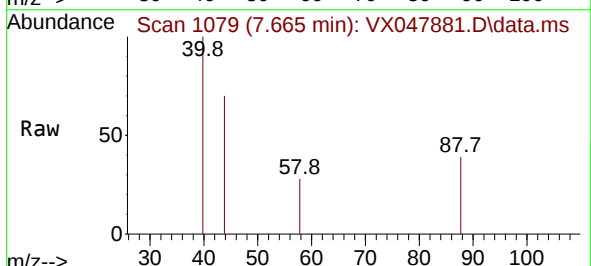
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

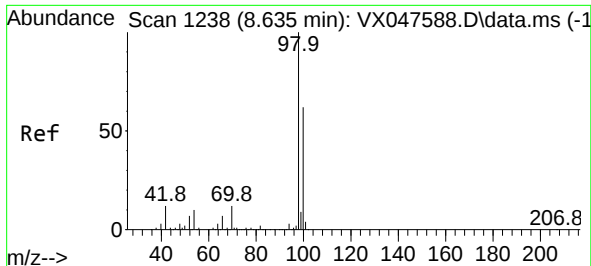
Tgt Ion:130 Resp: 20527
Ion Ratio Lower Upper
130 100
95 104.3 0.0 210.8



#49
1,4-Dioxane
Concen: 4.507 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 77.4 59.5 89.3

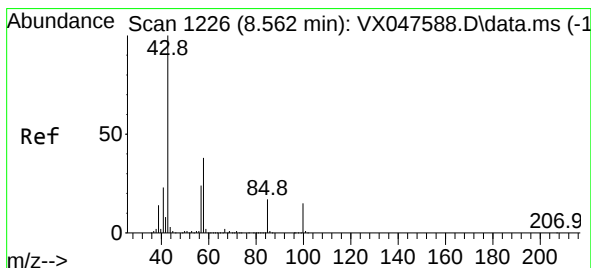
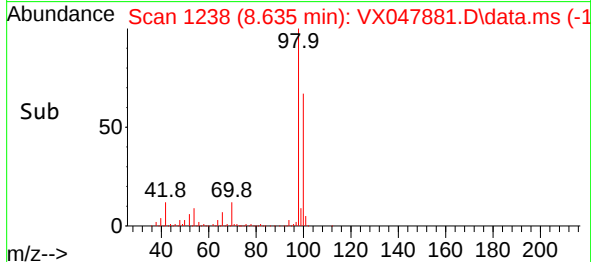
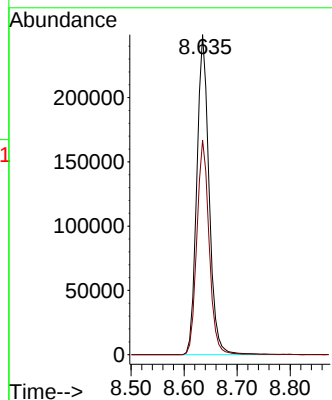
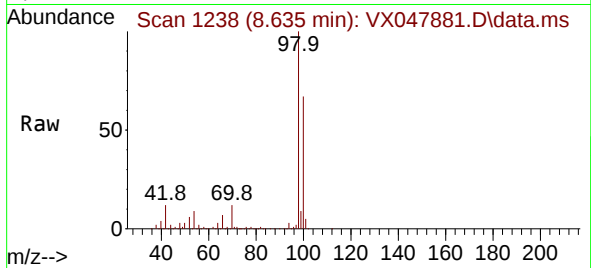




#50
Toluene-d8
Concen: 49.135 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

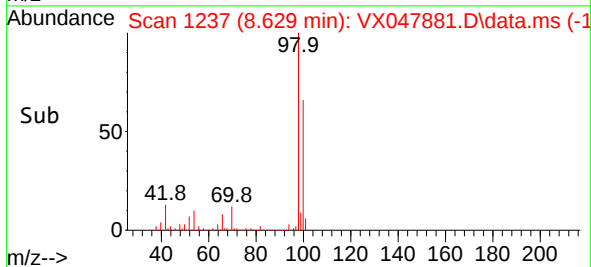
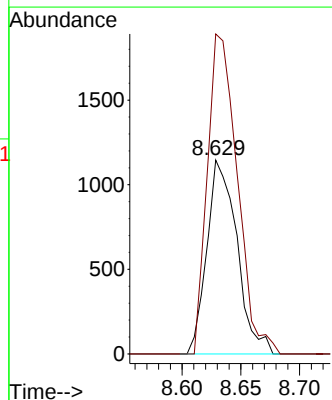
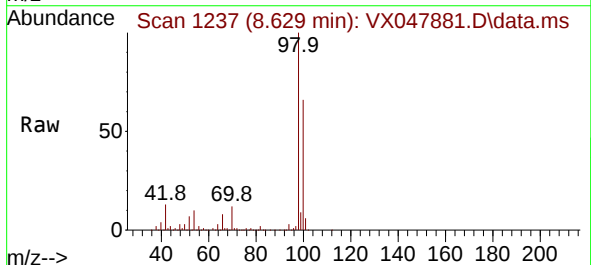
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

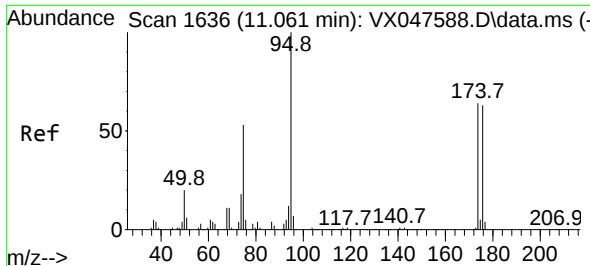
Tgt Ion: 98 Resp: 400117
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.067 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 164.7 30.3 45.5#

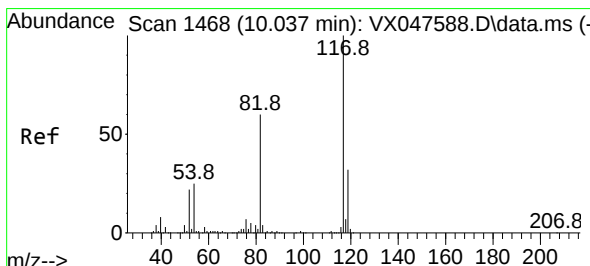
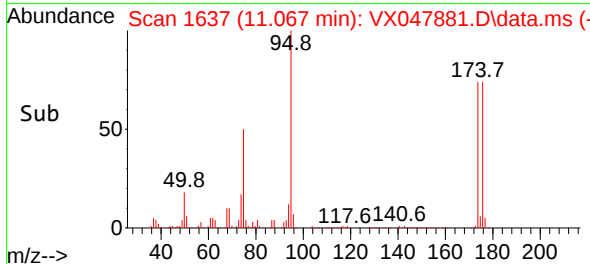
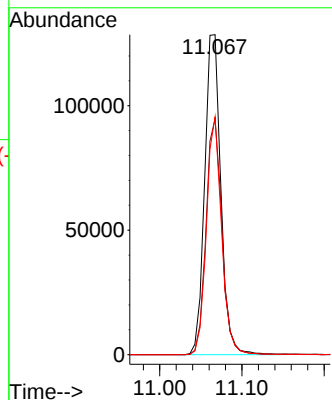
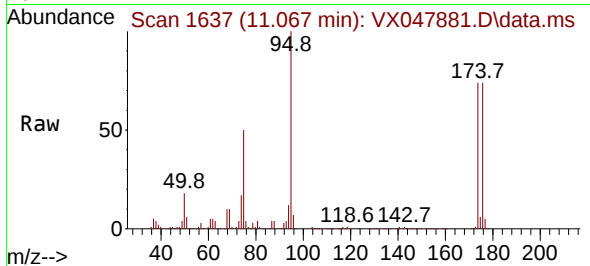




#62
4-Bromofluorobenzene
Concen: 56.806 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

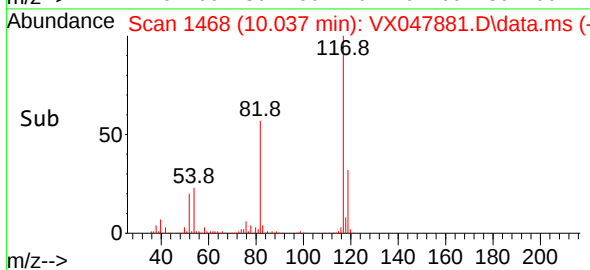
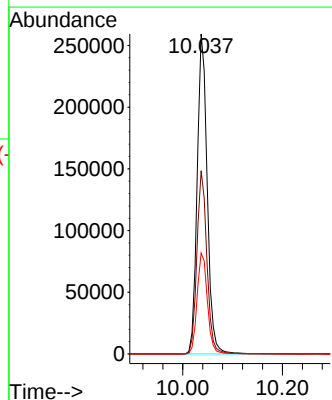
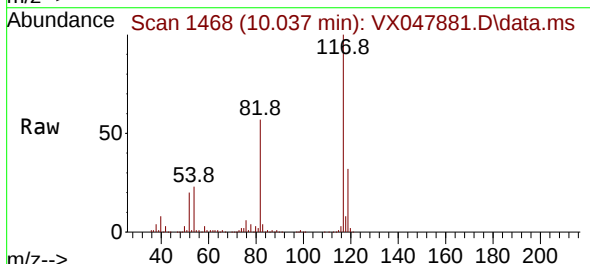
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250918

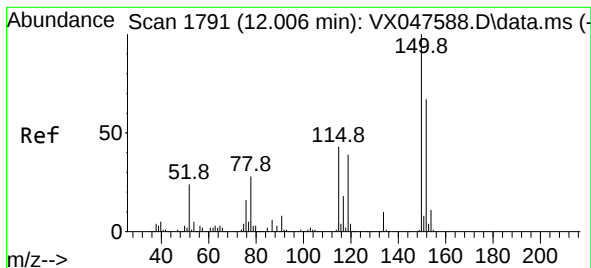
Tgt Ion: 95 Resp: 175559
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047881.D
Acq: 29 Sep 2025 14:17

Tgt Ion: 117 Resp: 362589
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.6
119 31.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047881.D

Acq: 29 Sep 2025 14:17

Instrument :

MSVOA_X

ClientSampleId :

DUP09-20250918

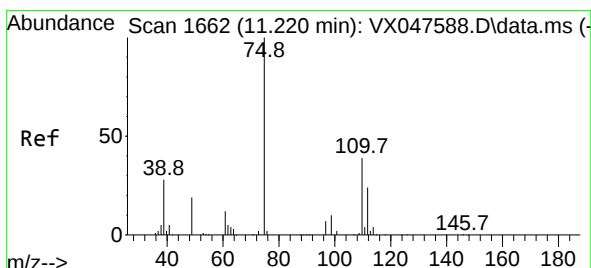
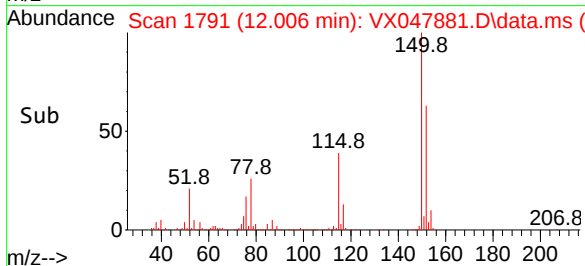
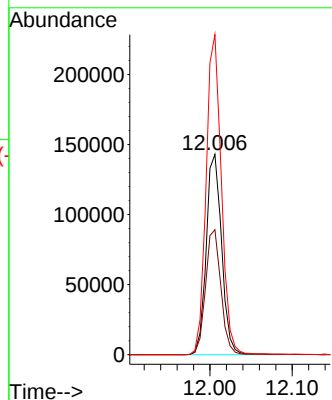
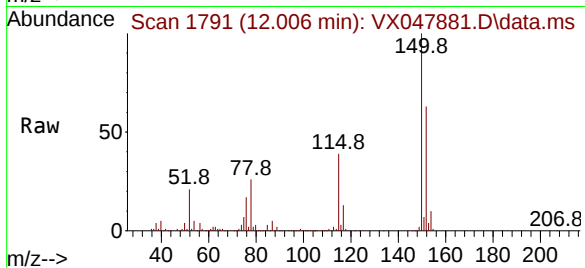
Tgt Ion:152 Resp: 185913

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 158.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.922 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047881.D

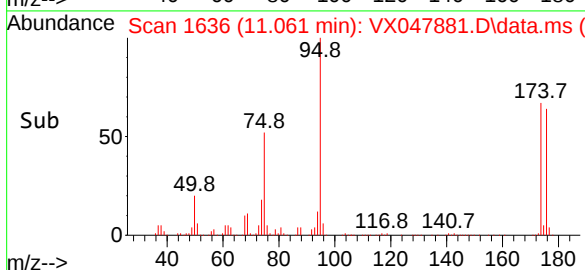
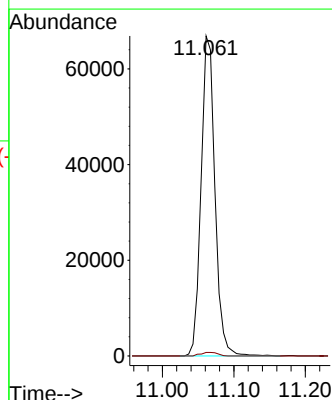
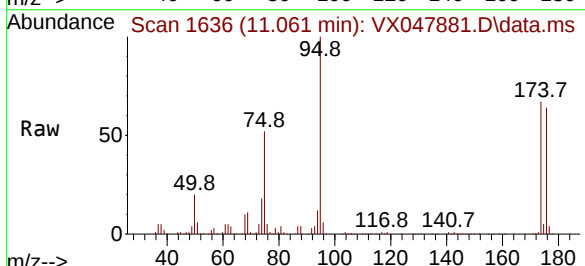
Acq: 29 Sep 2025 14:17

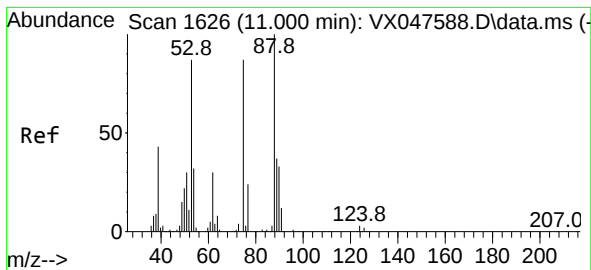
Tgt Ion: 75 Resp: 90047

Ion Ratio Lower Upper

75 100

77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.005 ug/l
 RT: 11.061 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX047881.D
 Acq: 29 Sep 2025 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20250918

Tgt Ion: 75 Resp: 90047
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.4 125.2#
 89 0.0 36.3 54.5#

