

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048266.D
 Acq On : 21 Oct 2025 14:00
 Operator : JC/MD
 Sample : Q3374-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC

Quant Time: Oct 24 04:27:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	127477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	252810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134830	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96921	54.227	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.460%	
35) Dibromofluoromethane	5.373	113	82084	47.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.120%	
50) Toluene-d8	8.634	98	286845	47.416	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	11.061	95	125243	54.420	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.840%	

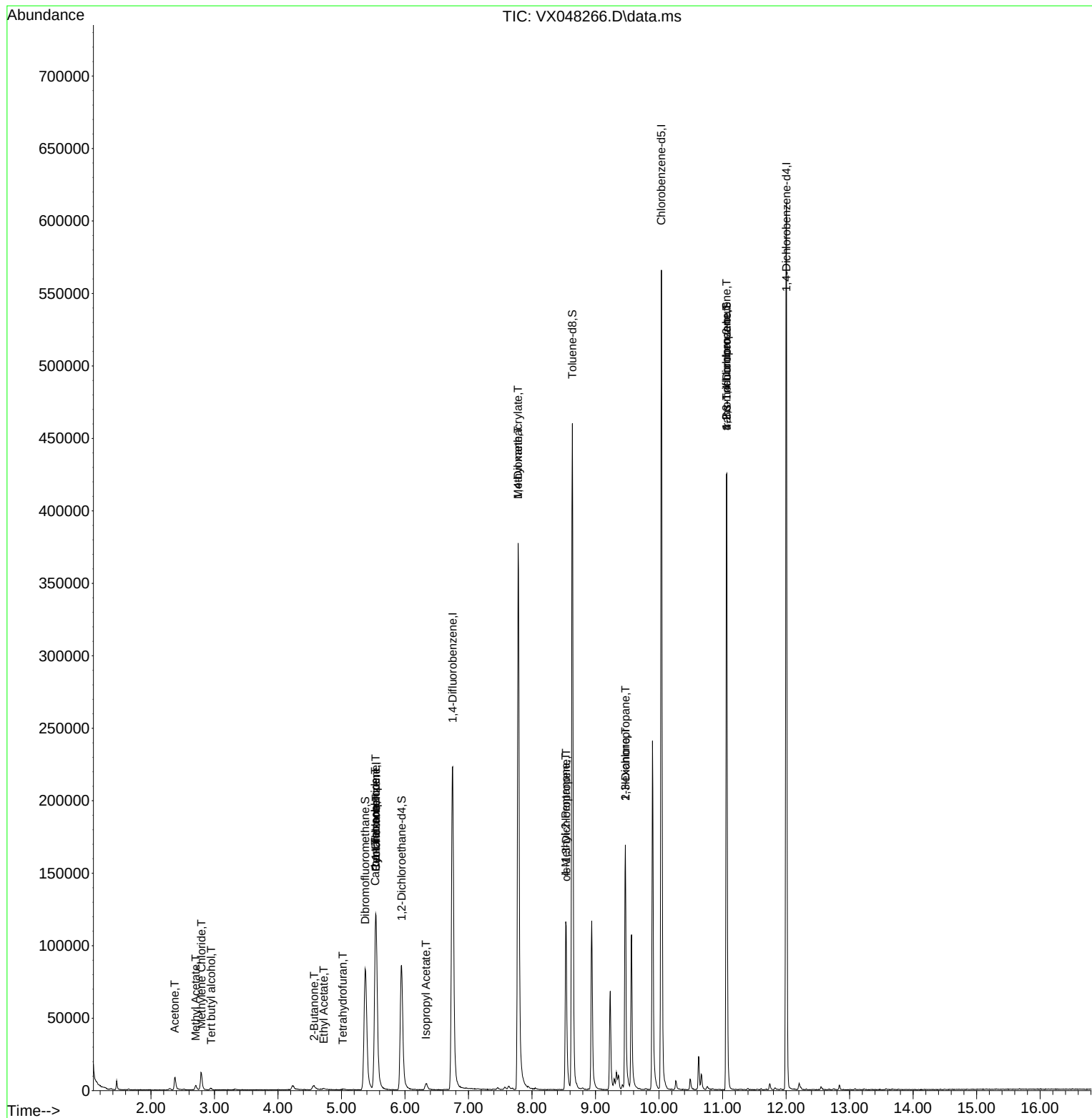
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	905	5.100	ug/l #	72
16) Acetone	2.373	43	11413	18.614	ug/l	93
18) Methyl Acetate	2.703	43	4208	3.286	ug/l	96
20) Methylene Chloride	2.794	84	6079	4.069	ug/l #	84
25) 2-Butanone	4.568	43	5790	7.460	ug/l	100
29) Tetrahydrofuran	5.019	42	314	0.676	ug/l #	48
31) Cyclohexane	5.544	56	2237	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	9856	4.018	ug/l #	50
37) Ethyl Acetate	4.721	43	1738	0.855	ug/l #	92
38) Carbon Tetrachloride	5.531	117	13420	4.434	ug/l #	16
43) Isopropyl Acetate	6.330	43	6589	1.973	ug/l	96
48) Methyl methacrylate	7.781	41	37193	22.068	ug/l #	46
49) 1,4-Dioxane	7.781	88	30	1.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.531	43	44124	22.913	ug/l #	52
54) cis-1,3-Dichloropropene	8.537	75	21899	7.395	ug/l #	60
57) 1,3-Dichloropropane	9.470	76	1607	0.559	ug/l #	43
59) 2-Hexanone	9.470	43	20965	15.613	ug/l #	59
76) 1,2,3-Trichloropropane	11.061	75	63746	29.154	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	63746	70.931	ug/l #	10

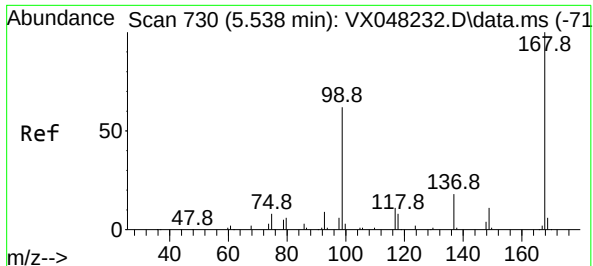
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

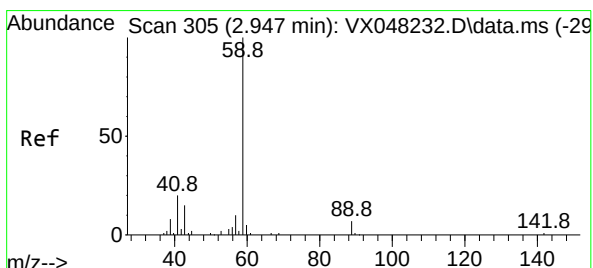
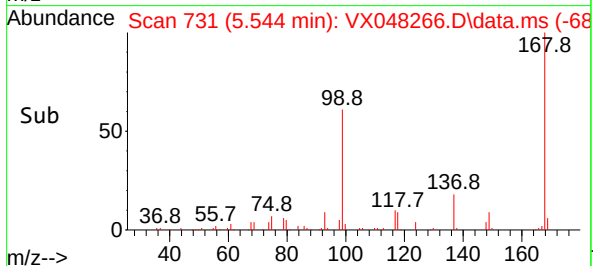
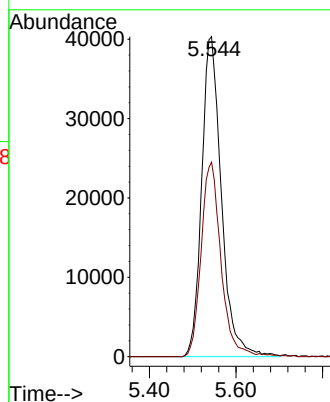
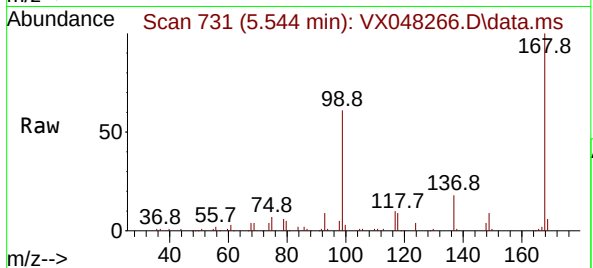




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

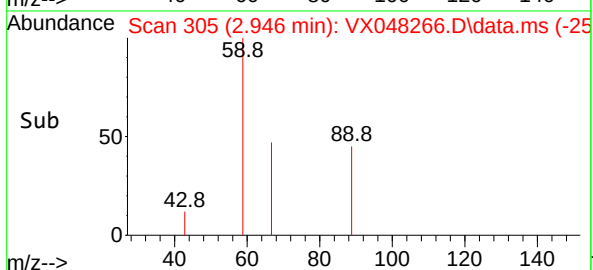
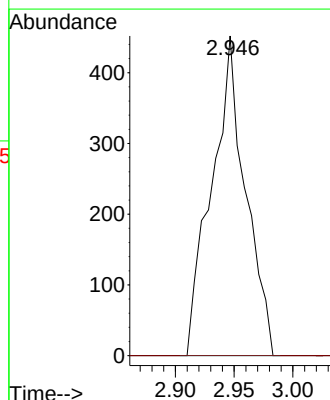
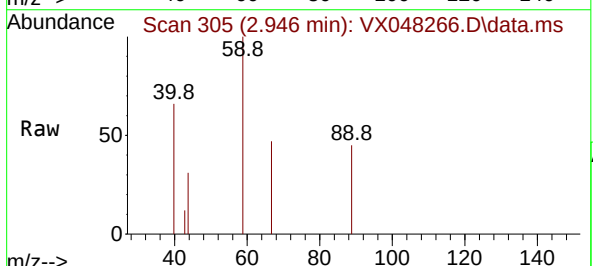
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

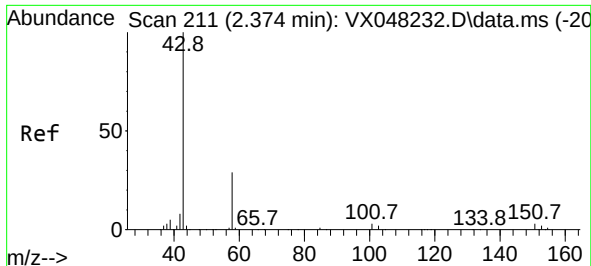
Tgt Ion:168 Resp: 127477
Ion Ratio Lower Upper
168 100
99 60.8 46.4 69.6



#11
Tert butyl alcohol
Concen: 5.100 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

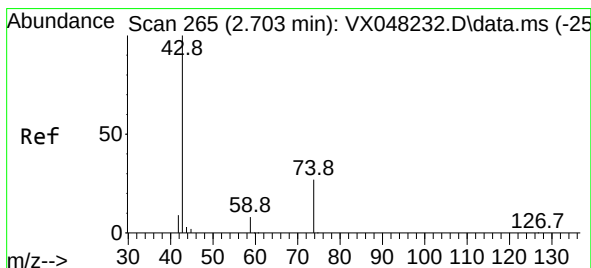
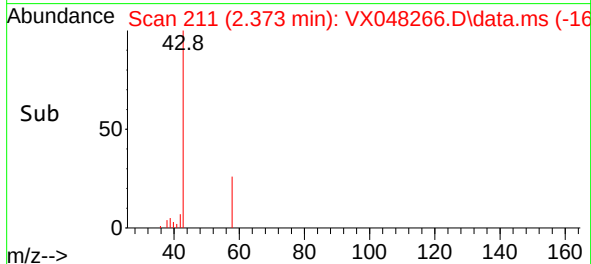
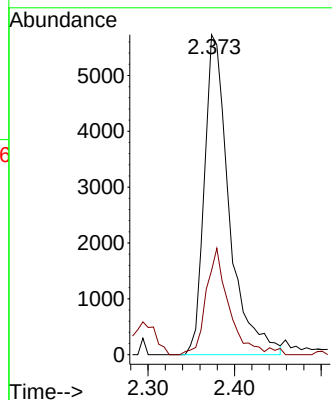
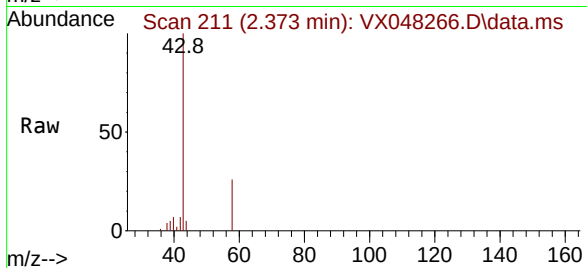




#16
Acetone
Concen: 18.614 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

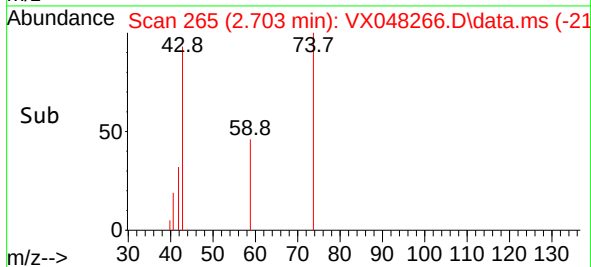
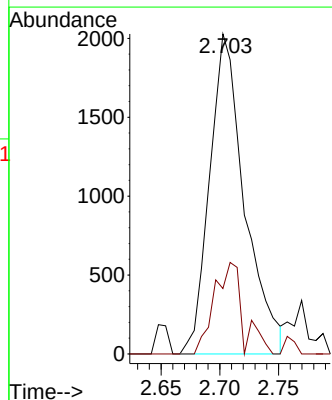
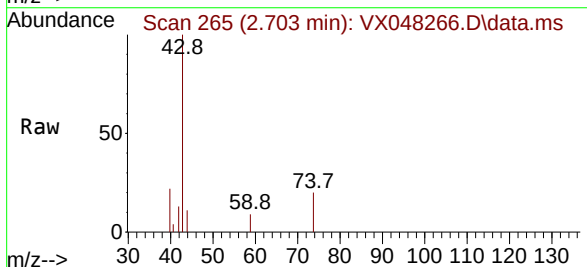
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

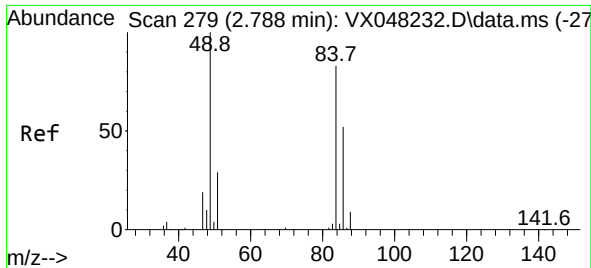
Tgt Ion: 43 Resp: 11413
Ion Ratio Lower Upper
43 100
58 25.7 23.4 35.2



#18
Methyl Acetate
Concen: 3.286 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 43 Resp: 4208
Ion Ratio Lower Upper
43 100
74 23.6 17.5 26.3

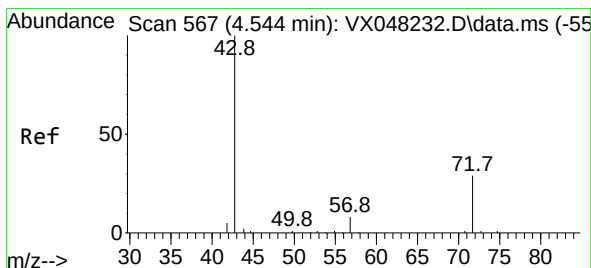
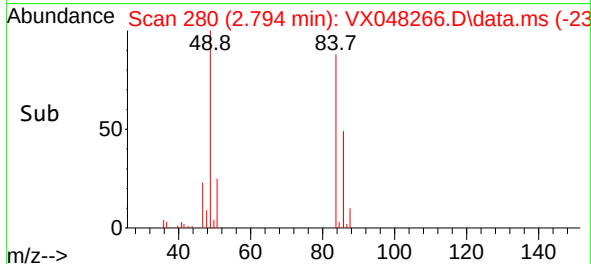
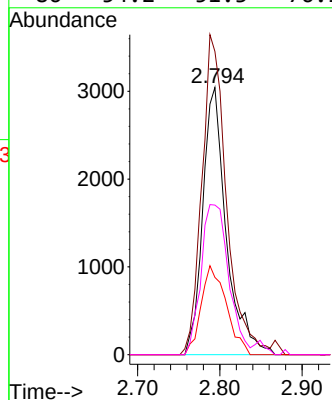
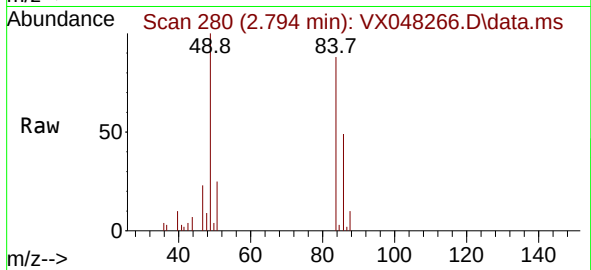




#20
Methylene Chloride
Concen: 4.069 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

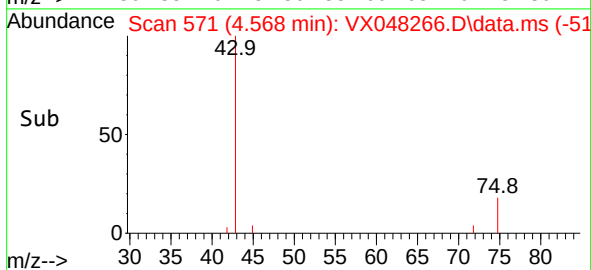
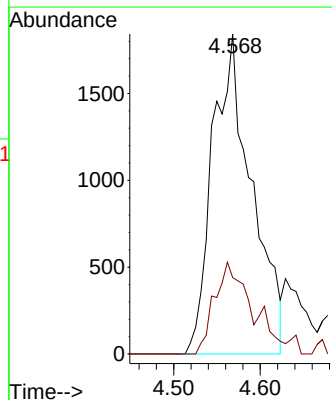
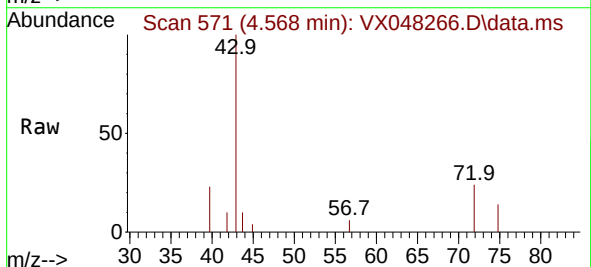
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

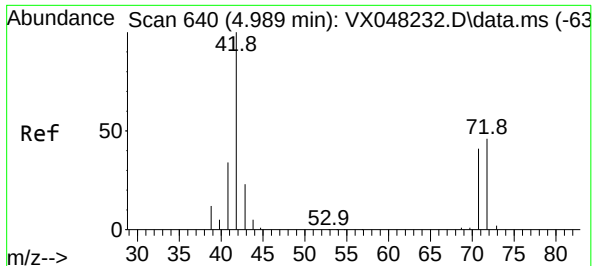
Tgt Ion:	84	Resp:	6079
Ion	Ratio	Lower	Upper
84	100		
49	109.8	104.1	156.1
51	28.0	31.3	46.9#
86	54.2	51.3	76.9



#25
2-Butanone
Concen: 7.460 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion:	43	Resp:	5790
Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9





#29

Tetrahydrofuran

Concen: 0.676 ug/l

RT: 5.019 min Scan# 640

Delta R.T. 0.030 min

Lab File: VX048266.D

Acq: 21 Oct 2025 14:00

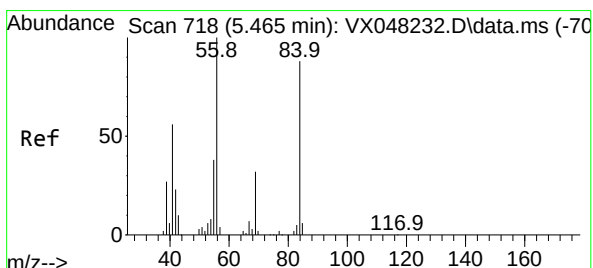
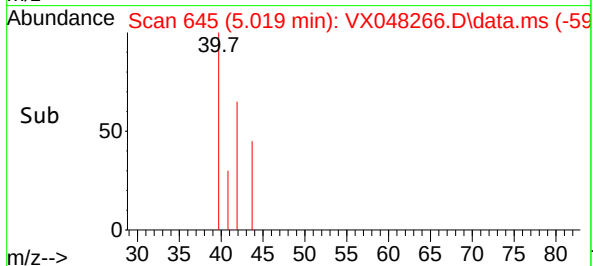
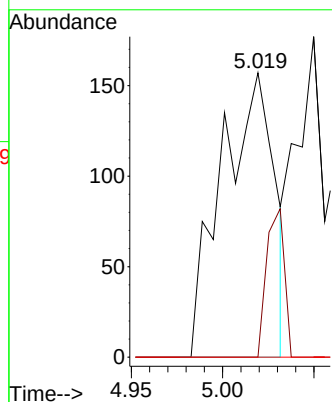
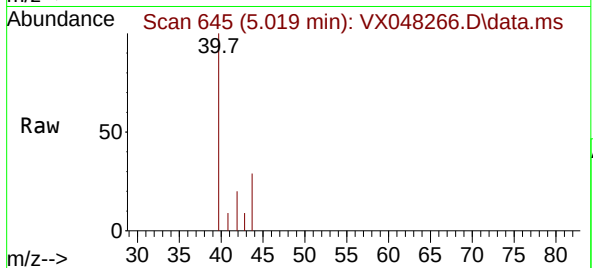
Instrument :

MSVOA_X

ClientSampleId :

TP-5-WC

Tgt Ion:	42	Resp:	314
Ion	Ratio	Lower	Upper
42	100		
72	17.5	35.3	52.9#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.008 ug/l

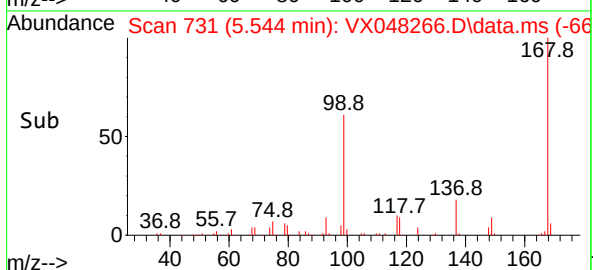
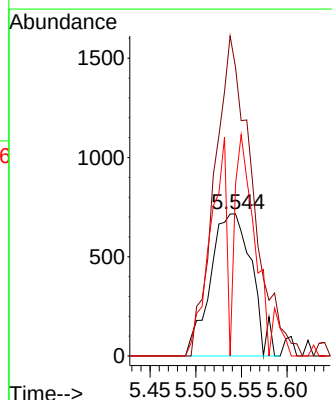
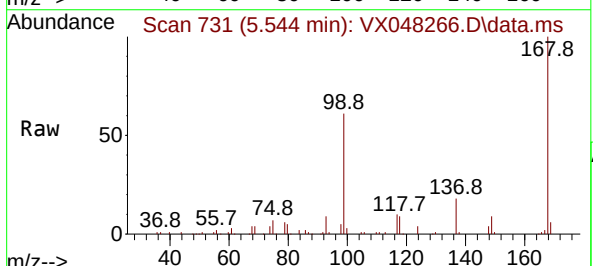
RT: 5.544 min Scan# 731

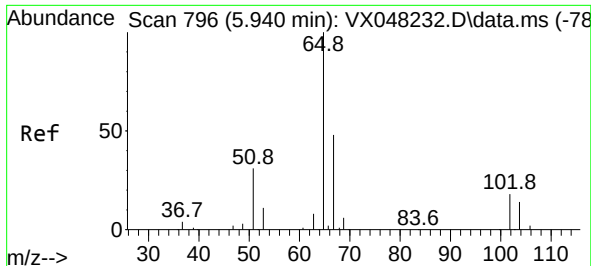
Delta R.T. 0.085 min

Lab File: VX048266.D

Acq: 21 Oct 2025 14:00

Tgt Ion:	56	Resp:	2237
Ion	Ratio	Lower	Upper
56	100		
69	202.9	23.0	34.6#
84	121.1	64.6	97.0#

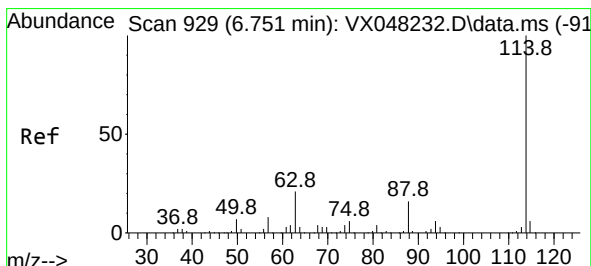
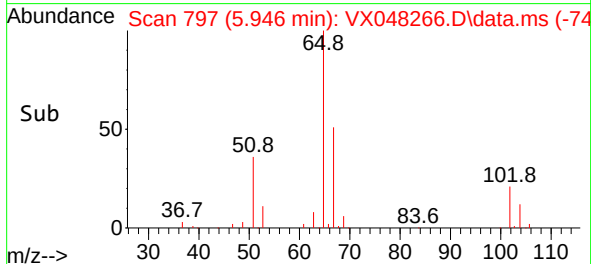
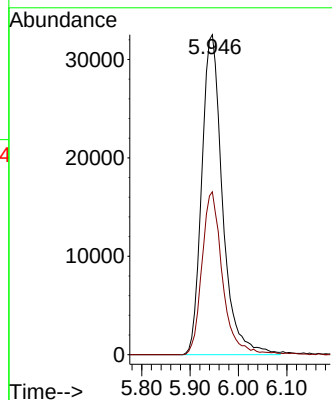
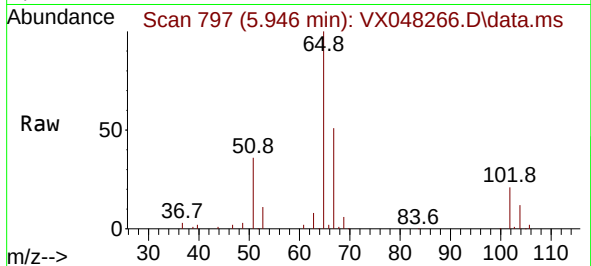




#33
 1,2-Dichloroethane-d4
 Concen: 54.227 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048266.D
 Acq: 21 Oct 2025 14:00

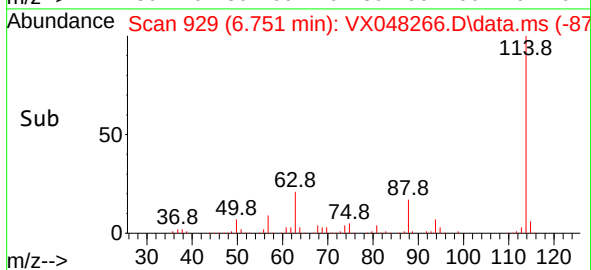
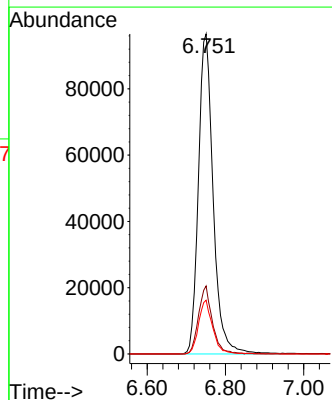
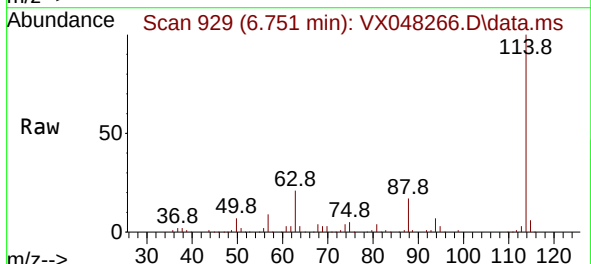
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC

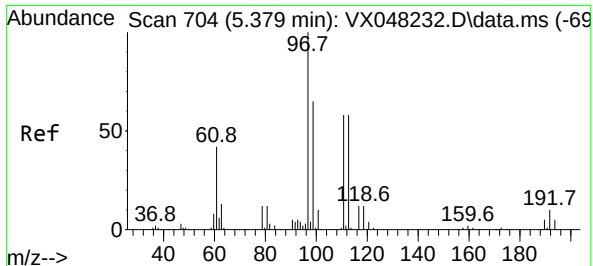
Tgt Ion: 65 Resp: 96921
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048266.D
 Acq: 21 Oct 2025 14:00

Tgt Ion: 114 Resp: 252810
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.8 0.0 33.6

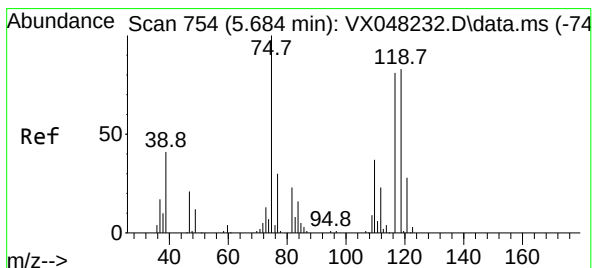
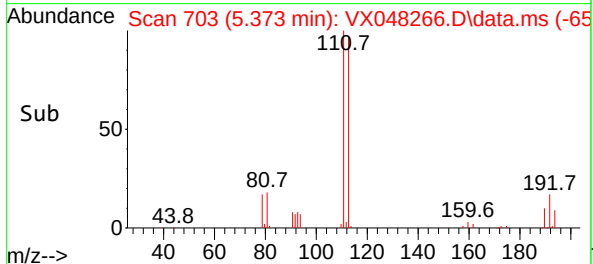
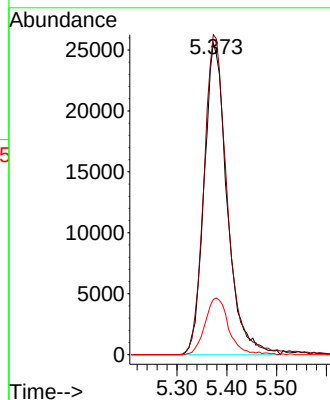
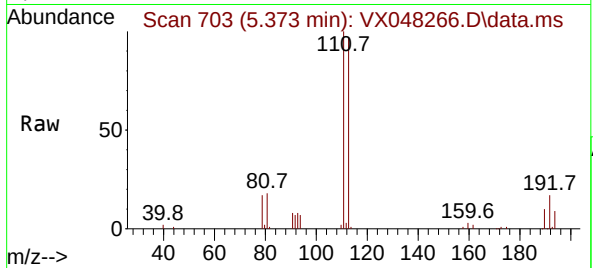




#35
Dibromofluoromethane
Concen: 47.560 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

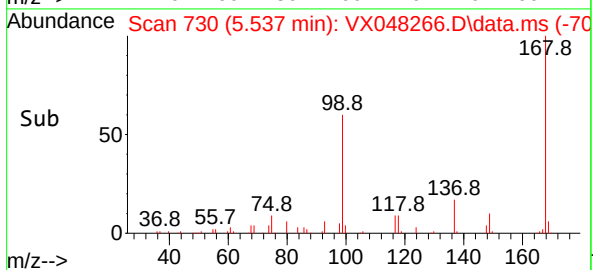
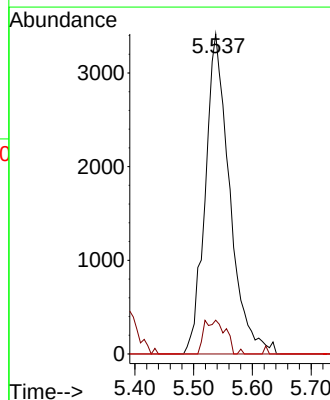
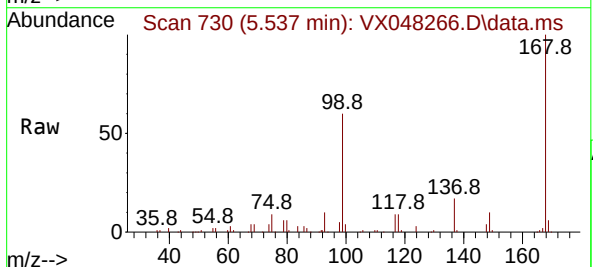
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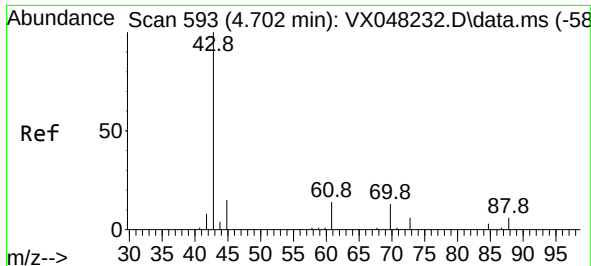
Tgt Ion:113 Resp: 82084
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 18.7 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.018 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 75 Resp: 9856
Ion Ratio Lower Upper
75 100
110 9.2 17.7 53.1#
77 0.0 24.3 36.5#

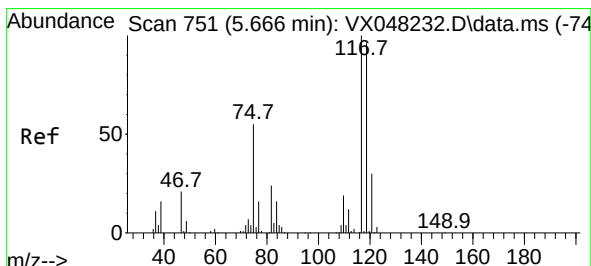
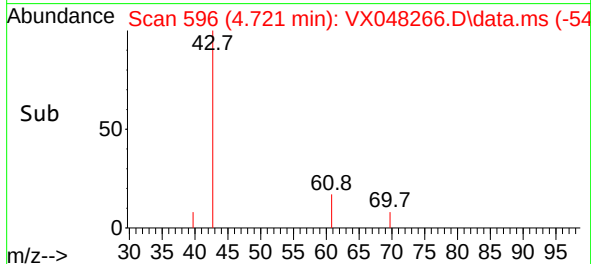
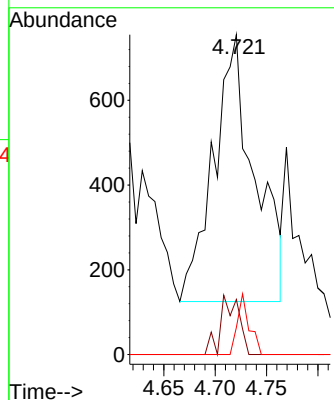
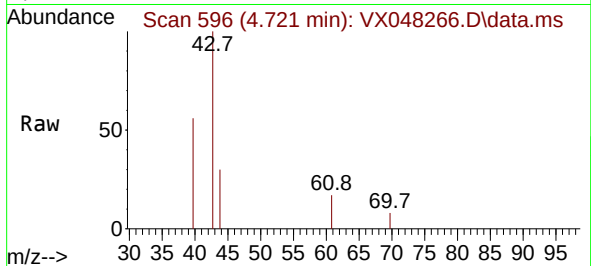




#37
Ethyl Acetate
Concen: 0.855 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.024 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

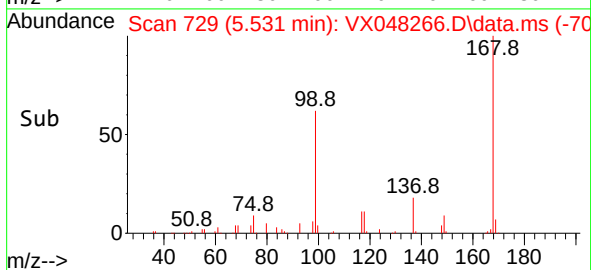
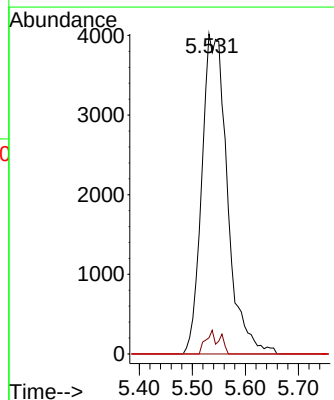
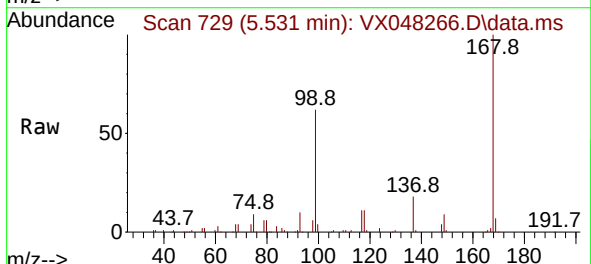
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

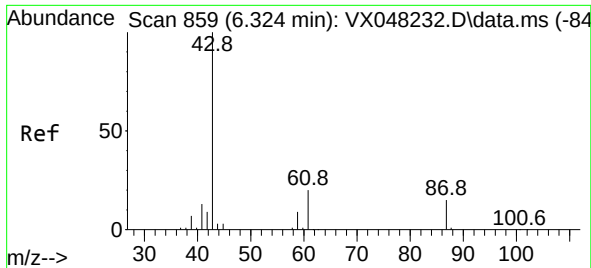
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
61 10.0 10.6 15.8#
70 6.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 4.434 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 117 Resp: 13420
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 24.8 37.2#

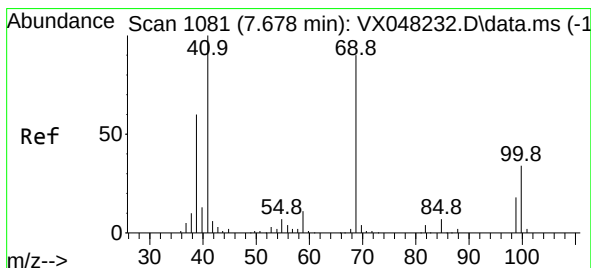
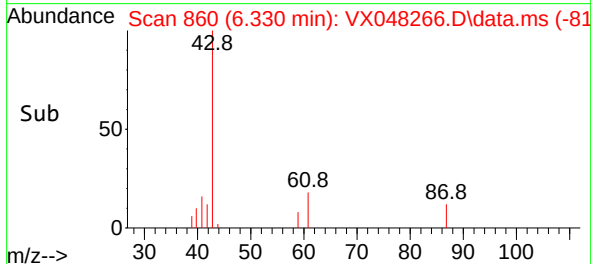
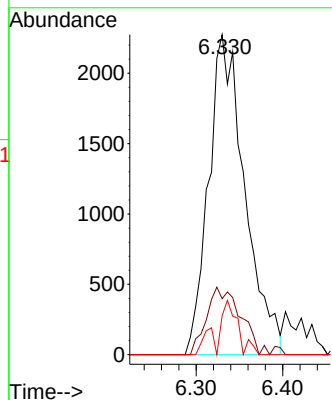
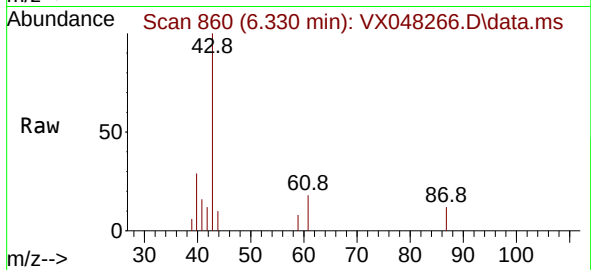




#43
Isopropyl Acetate
Concen: 1.973 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

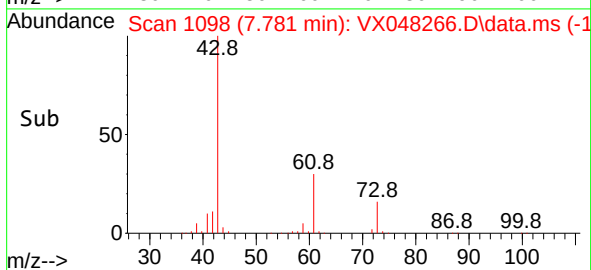
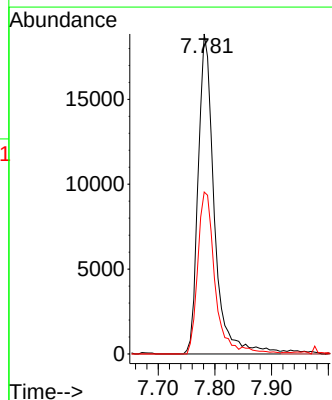
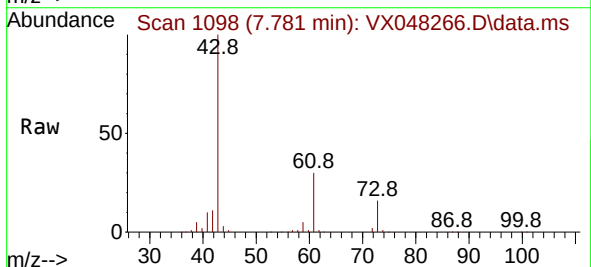
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

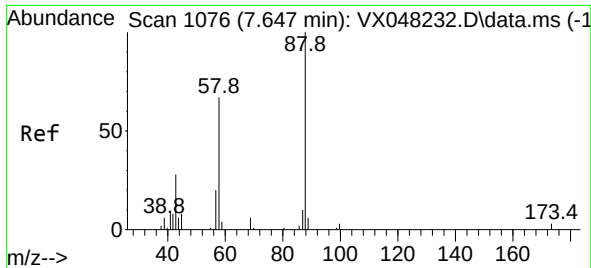
Tgt Ion:	43	Resp:	6589
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.9	22.3
87	10.0	9.4	14.2



#48
Methyl methacrylate
Concen: 22.068 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion:	41	Resp:	37193
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.4	95.0#
39	54.7	47.1	70.7

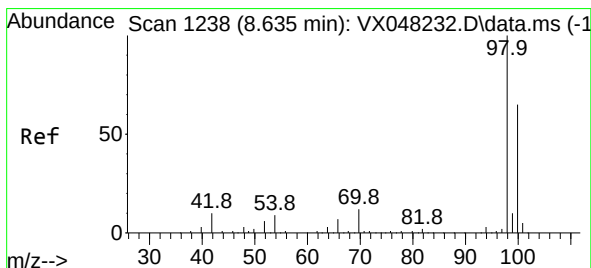
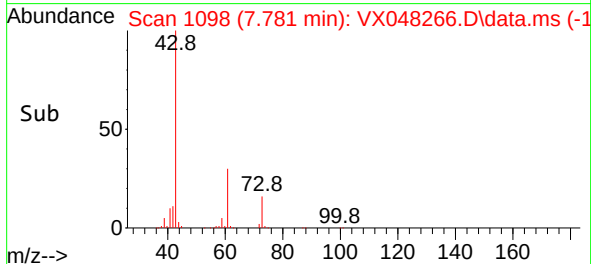
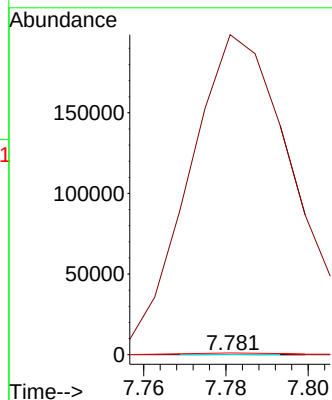
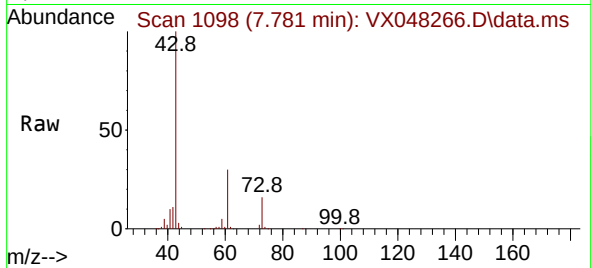




#49
1,4-Dioxane
Concen: 1.347 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.140 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

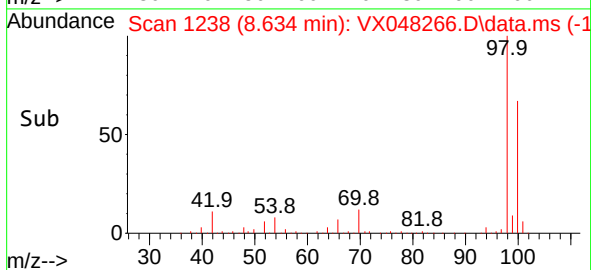
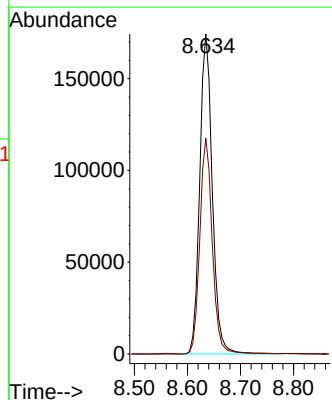
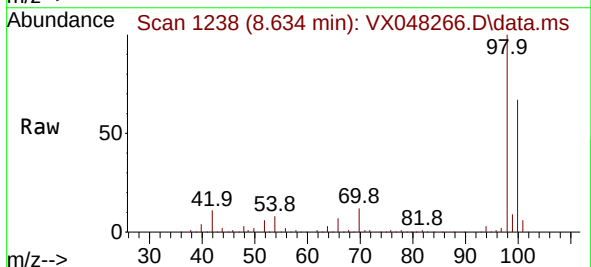
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

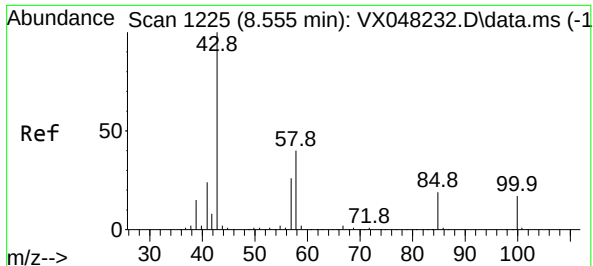
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 1301746.7 35.0 52.4#
58 6846.7 61.9 92.9#



#50
Toluene-d8
Concen: 47.416 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 98 Resp: 286845
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4

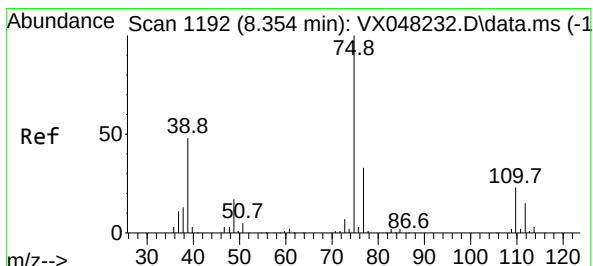
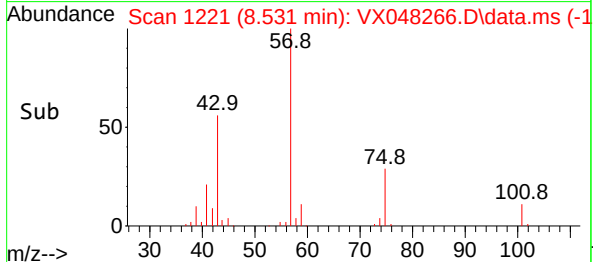
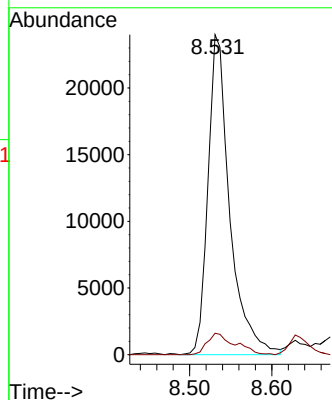
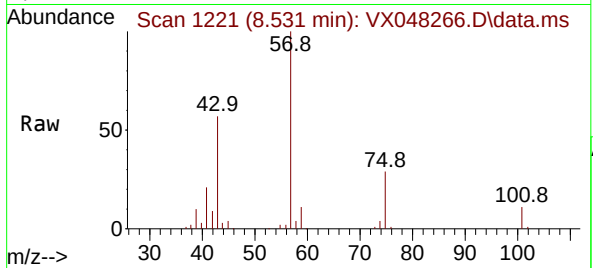




#51
4-Methyl-2-Pentanone
Concen: 22.913 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

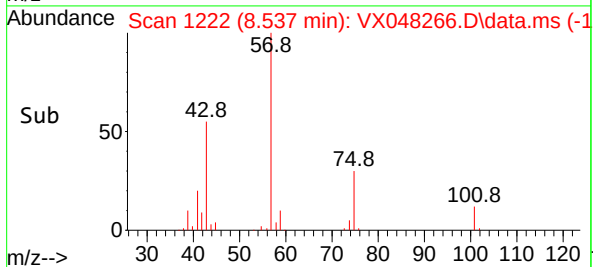
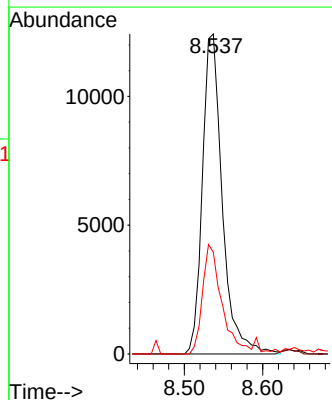
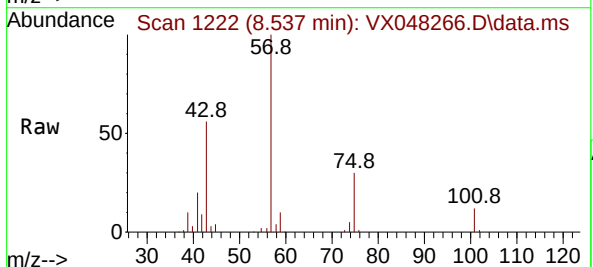
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

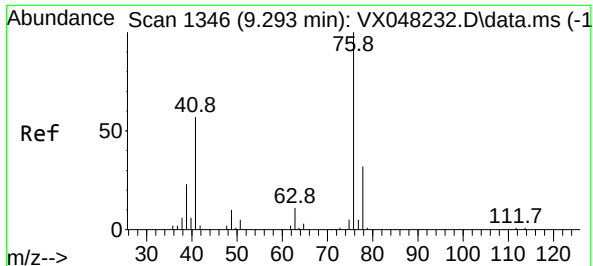
Tgt Ion: 43 Resp: 44124
Ion Ratio Lower Upper
43 100
58 8.6 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 7.395 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. 0.189 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 75 Resp: 21899
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.8 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 0.559 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.177 min

Lab File: VX048266.D

Acq: 21 Oct 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

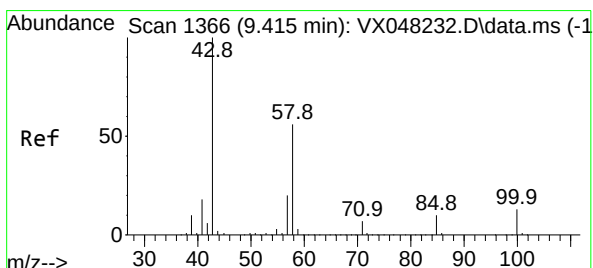
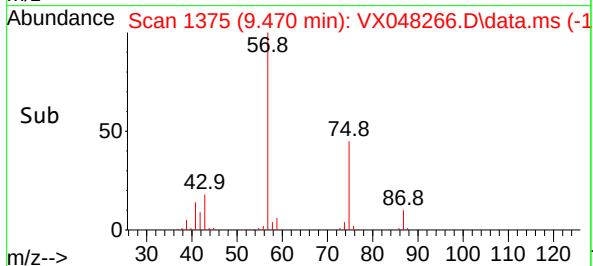
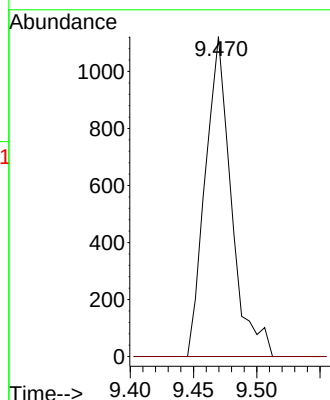
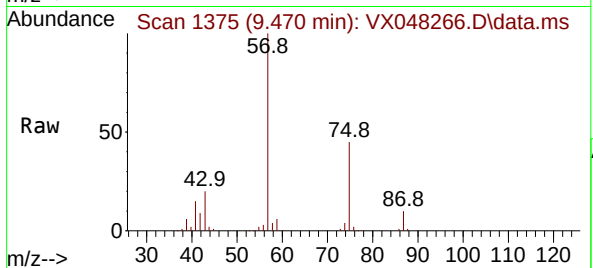
TP-5-WC

Tgt Ion: 76 Resp: 1607

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 15.613 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.055 min

Lab File: VX048266.D

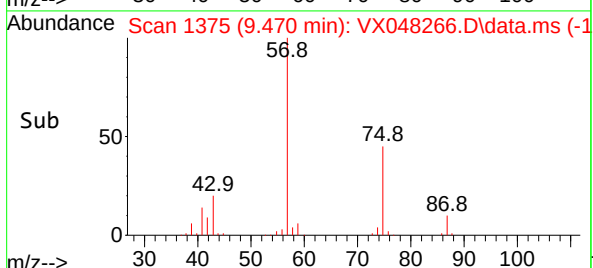
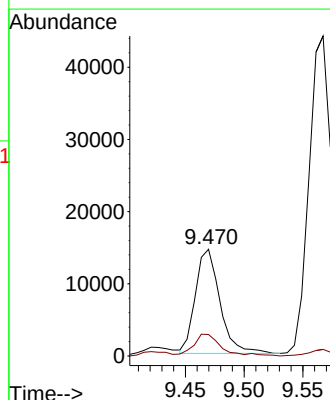
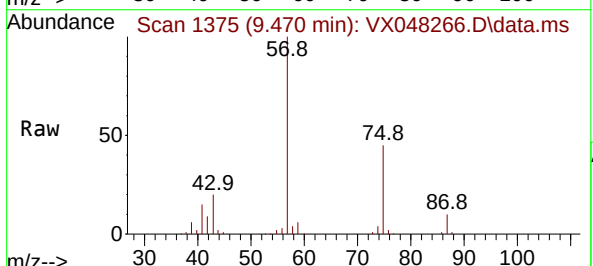
Acq: 21 Oct 2025 14:00

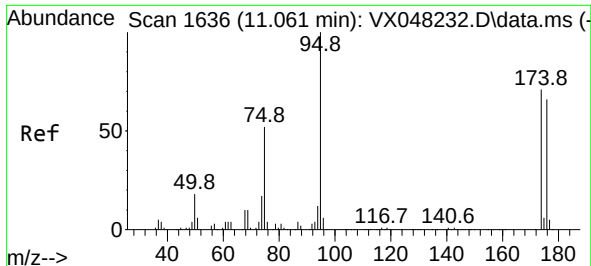
Tgt Ion: 43 Resp: 20965

Ion Ratio Lower Upper

43 100

58 23.5 26.3 78.8#

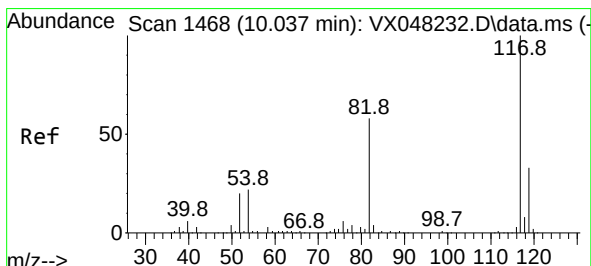
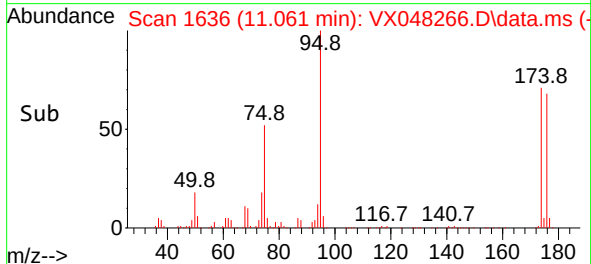
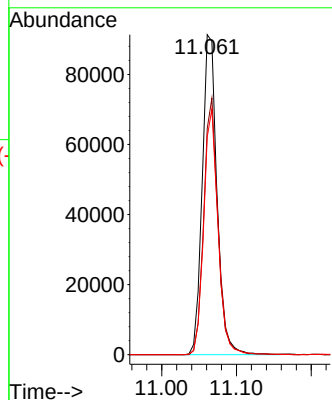
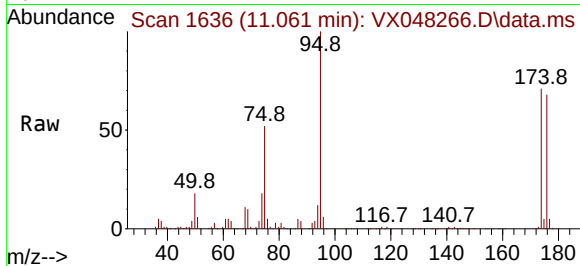




#62
4-Bromofluorobenzene
Concen: 54.420 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

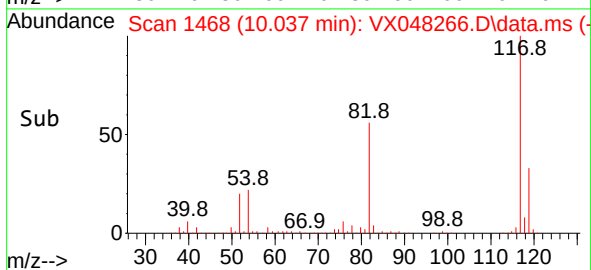
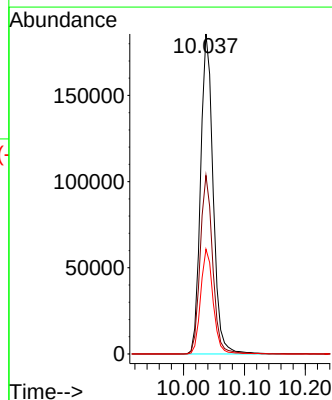
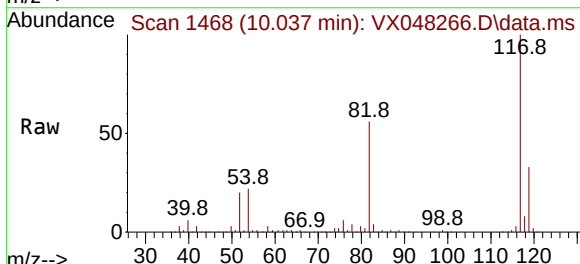
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC

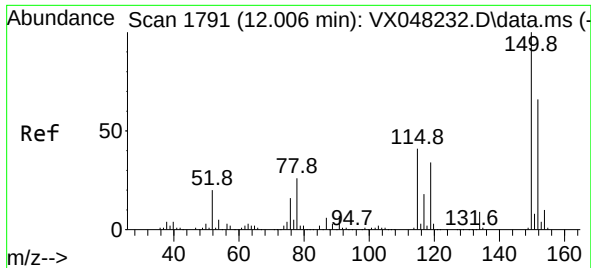
Tgt Ion: 95 Resp: 125243
Ion Ratio Lower Upper
95 100
174 77.7 0.0 147.8
176 74.4 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048266.D
Acq: 21 Oct 2025 14:00

Tgt Ion: 117 Resp: 265129
Ion Ratio Lower Upper
117 100
82 55.8 46.5 69.7
119 32.8 25.9 38.9

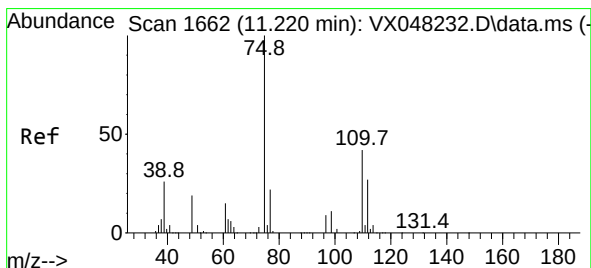
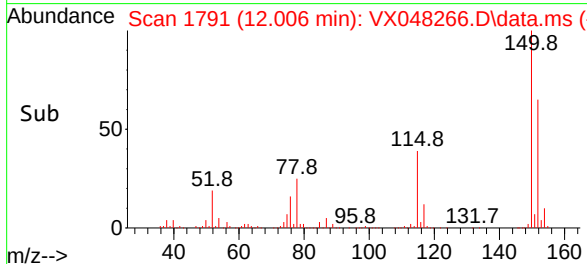
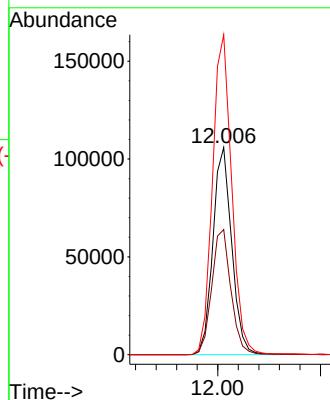
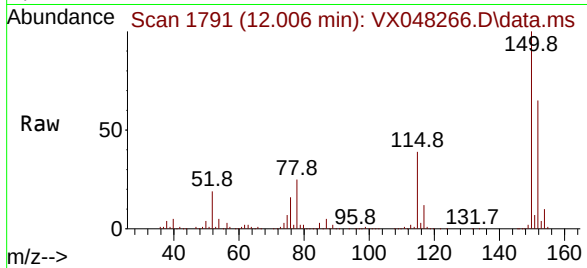




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048266.D
 Acq: 21 Oct 2025 14:00

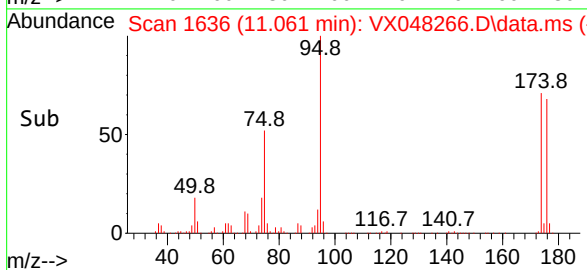
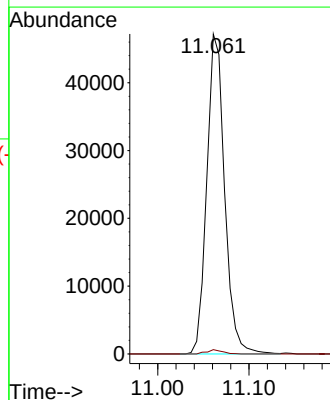
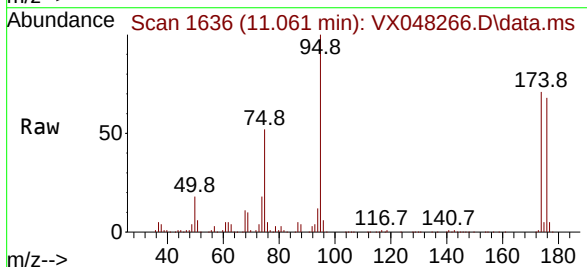
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC

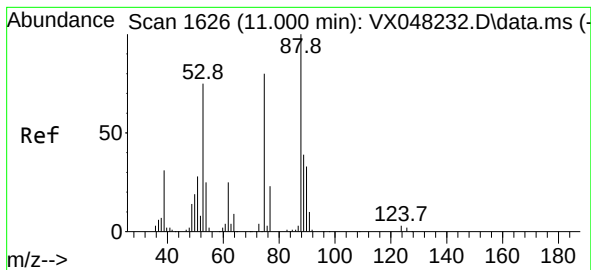
Tgt Ion:152 Resp: 134830
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.1 129.4
 150 157.6 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 29.154 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048266.D
 Acq: 21 Oct 2025 14:00

Tgt Ion: 75 Resp: 63746
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.931 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048266.D
 Acq: 21 Oct 2025 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC

Tgt Ion: 75 Resp: 63746
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 36.8 55.2#

