

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026762.D
 Acq On : 25 Aug 2025 15:46
 Operator : SY/MD
 Sample : Q2893-09
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Quant Time: Aug 25 23:23:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 25 23:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.404	168	1421066	50.000	ug/l	0.02
33) 1,4-Difluorobenzene	8.405	114	2418520	50.000	ug/l	0.02
62) Chlorobenzene-d5	11.575	117	1810406	50.000	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	13.773	152	527763	50.000	ug/l	0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.786	65	861041	48.249	ug/l	0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.500%
34) Dibromofluoromethane	7.314	113	726910	46.083	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.160%
49) Toluene-d8	10.086	98	2750686	52.017	ug/l	0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.040%
61) 4-Bromofluorobenzene	12.702	95	628279	41.874	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.740%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.827	85	37458	2.789	ug/l	94
3) Chloromethane	1.811	50	1393	0.872	ug/l #	82
4) Vinyl Chloride	2.128	62	61427	2.780	ug/l	92
5) Bromomethane	2.465	94	19948	2.941	ug/l	95
6) Chloroethane	2.581	64	14125	1.120	ug/l	95
7) Trichlorofluoromethane	2.879	101	130582	3.049	ug/l	98
8) Diethyl Ether	3.248	74	19013	1.388	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.550	101	19932	1.165	ug/l #	1
10) Methyl Iodide	3.723	142	15294	0.841	ug/l #	51
11) Tert butyl alcohol	4.509	59	7727	2.816	ug/l #	90
12) 1,1-Dichloroethene	3.527	96	22818	1.229	ug/l	89
13) Acrolein	3.428	56	38738	20.429	ug/l	100
14) Allyl chloride	4.067	41	87853	2.567	ug/l #	64
15) Acrylonitrile	4.673	53	149430	12.735	ug/l	99
16) Acetone	3.627	43	76191	8.066	ug/l	95
17) Carbon Disulfide	3.823	76	92486	2.050	ug/l #	95
18) Methyl Acetate	4.089	43	65477	2.379	ug/l #	87
19) Methyl tert-butyl Ether	4.740	73	148408	2.519	ug/l	100
20) Methylene Chloride	4.272	84	67872	3.368	ug/l #	85
21) trans-1,2-Dichloroethene	4.715	96	51793	2.667	ug/l	96
22) Diisopropyl ether	5.632	45	175538	2.493	ug/l #	96
23) Vinyl Acetate	5.568	43	660163	14.135	ug/l #	72
24) 1,1-Dichloroethane	5.507	63	89949	2.596	ug/l	95
25) 2-Butanone	6.525	43	204457	13.940	ug/l	91
26) 2,2-Dichloropropane	6.492	77	54079	2.278	ug/l	78
27) cis-1,2-Dichloroethene	6.496	96	54892	2.497	ug/l	86
28) Bromochloromethane	6.878	49	15286	1.490	ug/l #	68
29) Chloroform	7.076	83	80917	2.599	ug/l	96
30) Cyclohexane	7.394	56	116405	3.185	ug/l #	68
31) 1,1,1-Trichloroethane	7.298	97	63305	2.504	ug/l #	47
35) 1,1-Dichloropropene	7.535	75	56823	2.313	ug/l	96
36) Ethyl Acetate	6.618	43	69800	2.221	ug/l #	91
37) Carbon Tetrachloride	7.516	117	44934	2.033	ug/l	89
38) Methylcyclohexane	8.960	83	70365	2.289	ug/l	93
39) Benzene	7.805	78	205837	2.729	ug/l #	87
40) Methacrylonitrile	6.868	41	35389	2.159	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.888	62	51689	2.472	ug/l	98
42) Isopropyl Acetate	7.959	43	98381	2.208	ug/l	99
43) Trichloroethene	8.678	130	40180	2.442	ug/l	98
44) 1,2-Dichloropropane	8.995	63	43183	2.392	ug/l	94
45) Dibromomethane	9.085	93	27446	2.393	ug/l	97
46) Bromodichloromethane	9.310	83	47351	2.218	ug/l	87
47) Methyl methacrylate	9.095	41	46281	2.128	ug/l	96
48) 1,4-Dioxane	9.095	88	7533	26.966	ug/l #	49
50) 4-Methyl-2-Pentanone	9.974	43	287192	13.039	ug/l #	71
51) Toluene	10.157	92	107184	2.489	ug/l	81
52) t-1,3-Dichloropropene	10.414	75	38428	1.901	ug/l	98
53) cis-1,3-Dichloropropene	9.804	75	47300	1.928	ug/l	97
54) 1,1,2-Trichloroethane	10.613	97	36138	2.364	ug/l	96
55) Ethyl methacrylate	10.475	69	54283	2.065	ug/l	97
56) 1,3-Dichloropropane	10.780	76	62314	2.419	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.644	63	6834	4.851	ug/l #	82
58) 2-Hexanone	10.837	43	173613	11.532	ug/l	83
59) Dibromochloromethane	11.001	129	27270	1.897	ug/l	100
60) 1,2-Dibromoethane	11.116	107	30364	2.198	ug/l	98
63) Tetrachloroethene	10.699	164	34921	2.745	ug/l #	90
64) Chlorobenzene	11.601	112	110945	2.754	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.691	131	28785	2.128	ug/l	92
66) Ethyl Benzene	11.697	91	179172	2.660	ug/l #	73
67) m/p-Xylenes	11.816	106	146548	5.199	ug/l #	76
68) o-Xylene	12.191	106	63547	2.225	ug/l	91
69) Styrene	12.211	104	91115	2.168	ug/l	93
70) Bromoform	12.390	173	13544	1.857	ug/l #	77
72) Isopropylbenzene	12.535	105	160649	2.804	ug/l	91
73) N-amyl acetate	12.336	43	39348	1.902	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.817	83	42905	2.616	ug/l #	95
75) 1,2,3-Trichloropropane	12.875	75	38259	2.941	ug/l #	100
76) Bromobenzene	12.849	156	30501	2.432	ug/l	88
77) n-propylbenzene	12.920	91	160321	2.610	ug/l	93
78) 2-Chlorotoluene	13.019	91	90667	2.500	ug/l	98
79) 1,3,5-Trimethylbenzene	13.080	105	103753	2.425	ug/l	100
80) trans-1,4-Dichloro-2-b...	12.702	75	322085	75.538	ug/l #	14
81) 4-Chlorotoluene	13.125	91	76540	2.303	ug/l	95
82) tert-Butylbenzene	13.376	119	101092	2.528	ug/l	89
83) 1,2,4-Trimethylbenzene	13.427	105	86016	2.205	ug/l	100
84) sec-Butylbenzene	13.575	105	127932	2.487	ug/l	95
85) p-Isopropyltoluene	13.709	119	92349	2.310	ug/l	95
86) 1,3-Dichlorobenzene	13.706	146	45446	2.440	ug/l	96
87) 1,4-Dichlorobenzene	13.793	146	49559	2.762	ug/l	90
88) n-Butylbenzene	14.082	91	76918	2.693	ug/l	94
89) Hexachloroethane	14.380	117	13884	2.141	ug/l	92
90) 1,2-Dichlorobenzene	14.123	146	46128	2.949	ug/l	95
91) 1,2-Dibromo-3-Chloropr...	14.823	75	4113	2.529	ug/l	55
92) 1,2,4-Trichlorobenzene	15.580	180	29784	2.899	ug/l	98
93) Hexachlorobutadiene	15.705	225	5770	1.704	ug/l #	58
94) Naphthalene	15.869	128	91903	3.128	ug/l	98
95) 1,2,3-Trichlorobenzene	15.580	180	29784	2.987	ug/l	97

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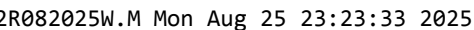
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MSVOA_R
ClientSampleId :
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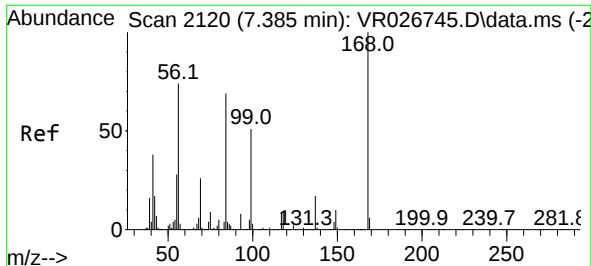
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QLast Update : Mon Aug 25 23:14:36 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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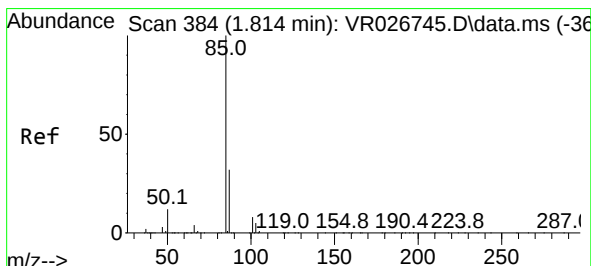
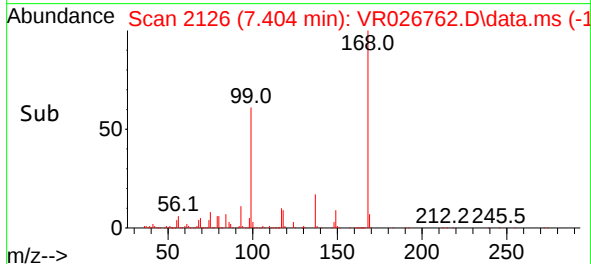
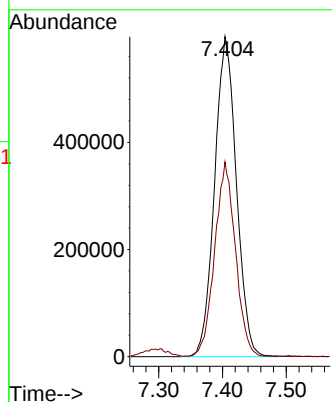
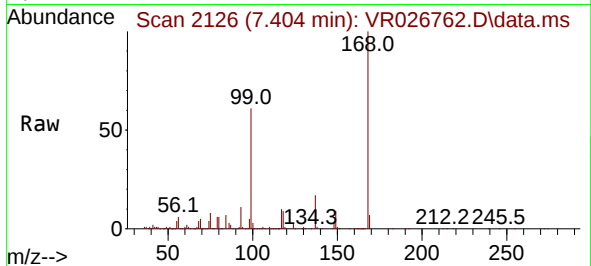




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.404 min Scan# 2120
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

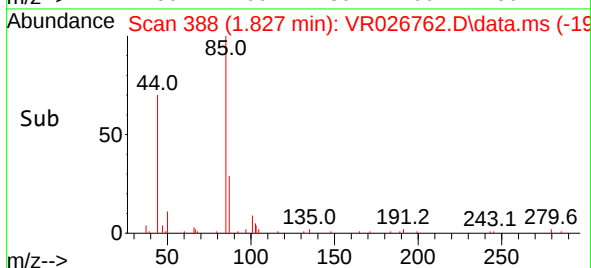
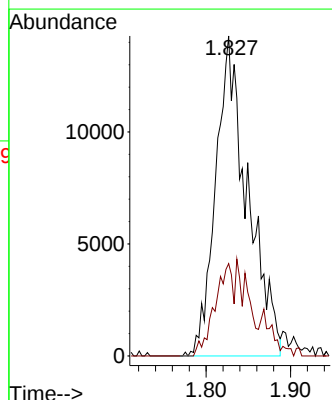
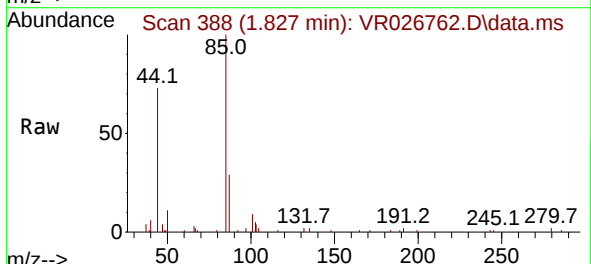
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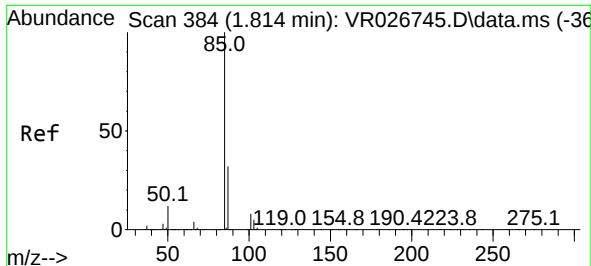
Tgt Ion:168 Resp: 1421066
Ion Ratio Lower Upper
168 100
99 60.7 47.1 70.7



#2
Dichlorodifluoromethane
Concen: 2.789 ug/l
RT: 1.827 min Scan# 388
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 85 Resp: 37458
Ion Ratio Lower Upper
85 100
87 28.8 16.1 48.2

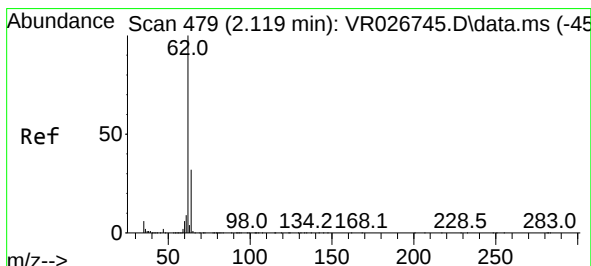
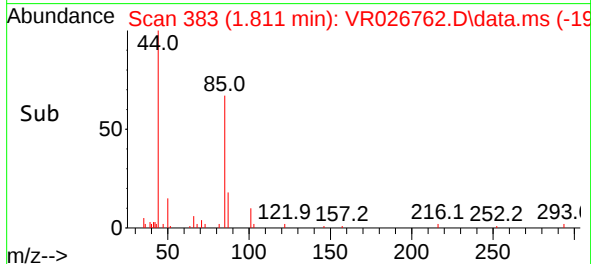
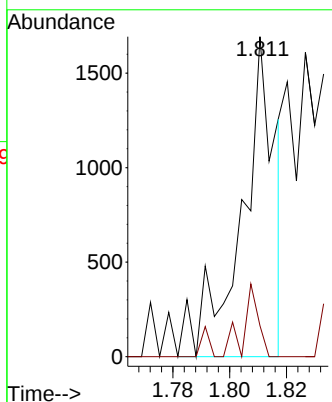
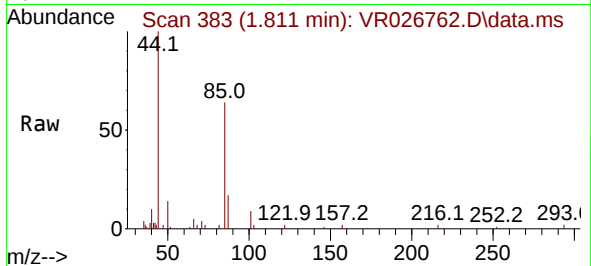




#3
Chloromethane
Concen: 0.872 ug/l
RT: 1.811 min Scan# 311
Delta R.T. -0.003 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

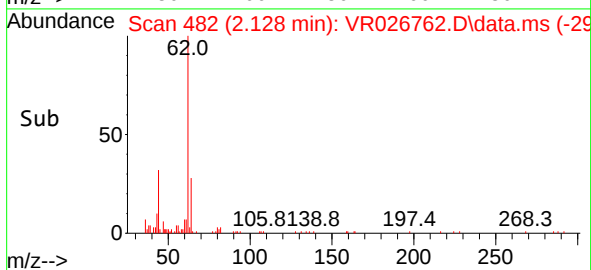
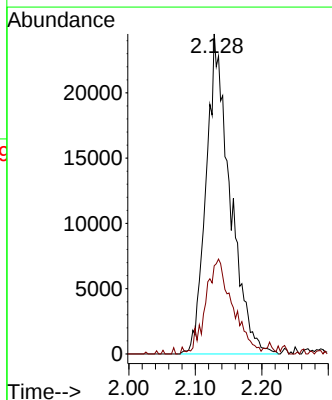
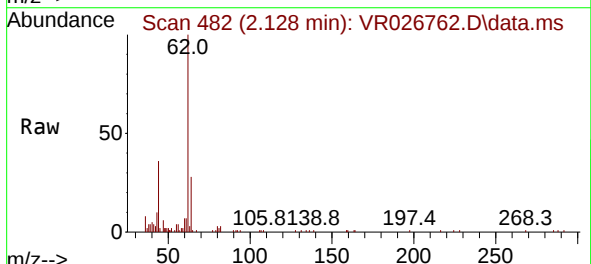
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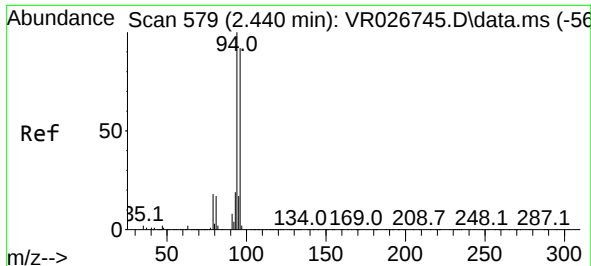
Tgt Ion: 50 Resp: 1393
Ion Ratio Lower Upper
50 100
52 9.7 0.6 1.0#



#4
Vinyl Chloride
Concen: 2.780 ug/l
RT: 2.128 min Scan# 482
Delta R.T. 0.009 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 62 Resp: 61427
Ion Ratio Lower Upper
62 100
64 27.5 25.5 38.3

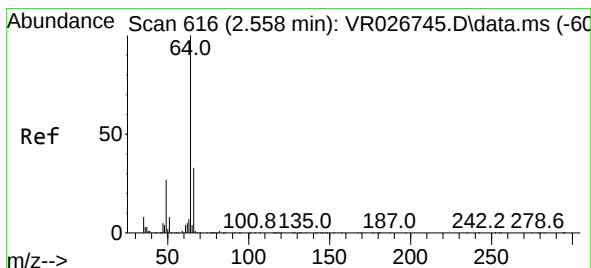
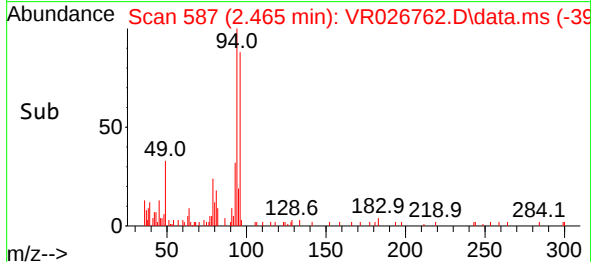
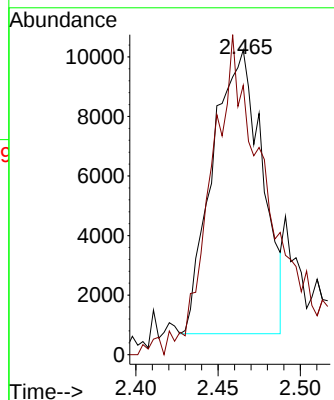
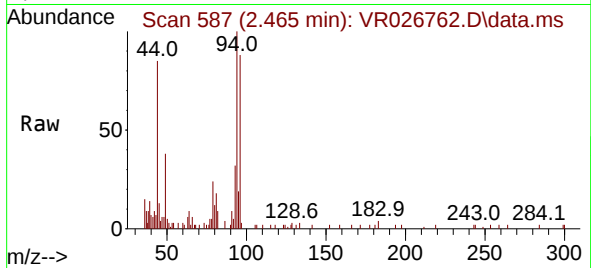




#5
Bromomethane
Concen: 2.941 ug/l
RT: 2.465 min Scan# 51
Delta R.T. 0.025 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

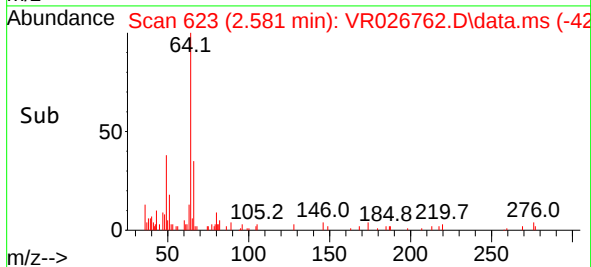
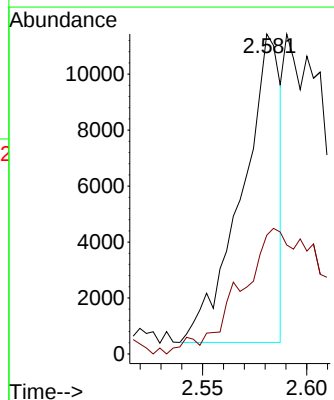
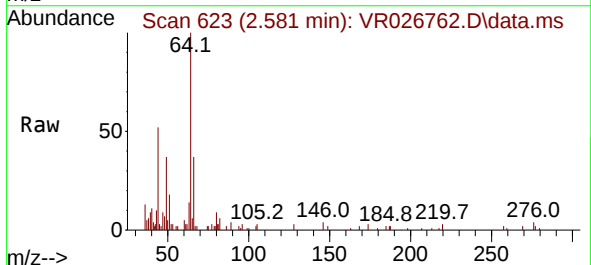
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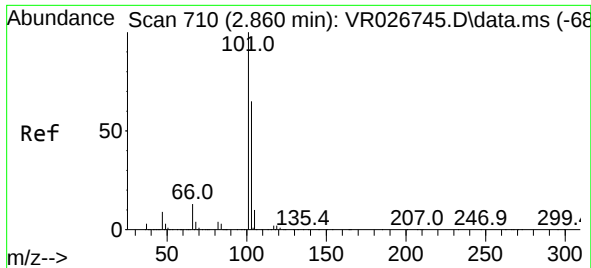
Tgt Ion: 94 Resp: 19948
Ion Ratio Lower Upper
94 100
96 87.0 73.8 110.6



#6
Chloroethane
Concen: 1.120 ug/l
RT: 2.581 min Scan# 623
Delta R.T. 0.023 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 64 Resp: 14125
Ion Ratio Lower Upper
64 100
66 36.2 26.6 40.0

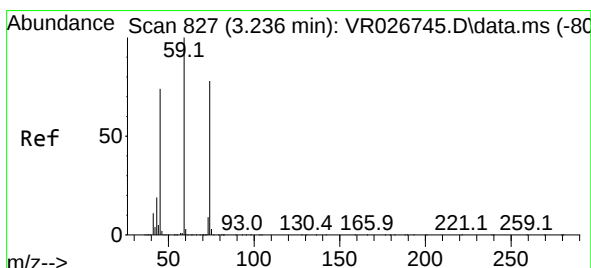
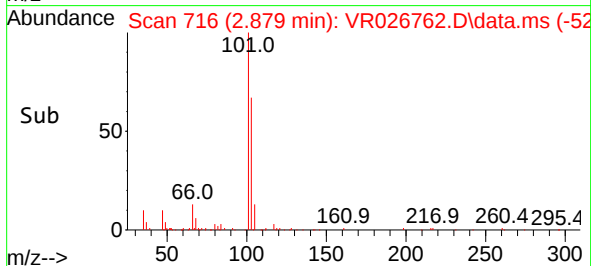
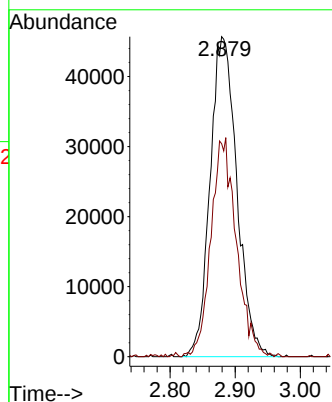
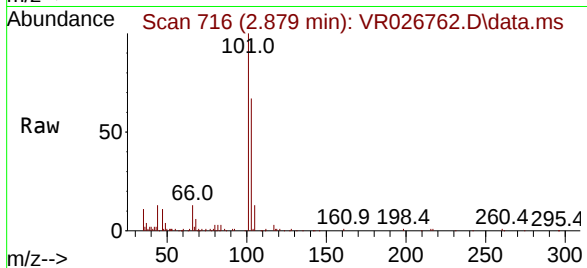




#7
 Trichlorofluoromethane
 Concen: 3.049 ug/l
 RT: 2.879 min Scan# 716
 Delta R.T. 0.019 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

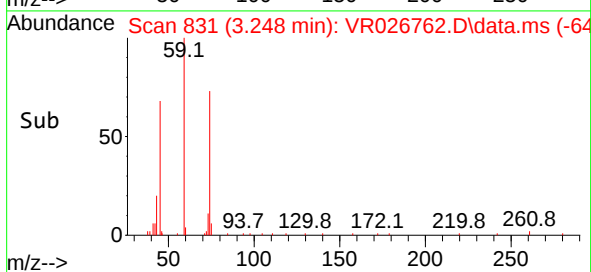
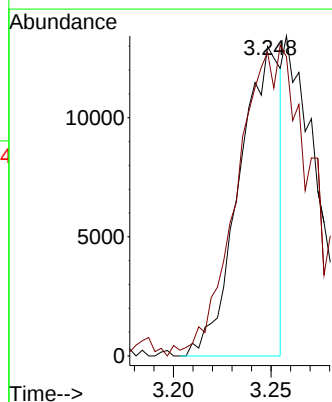
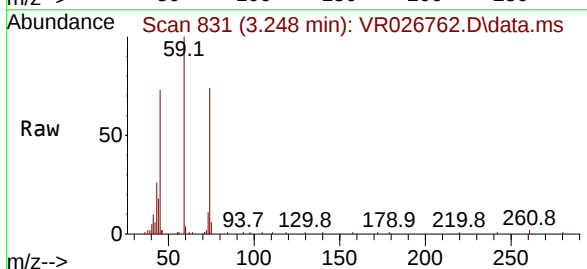
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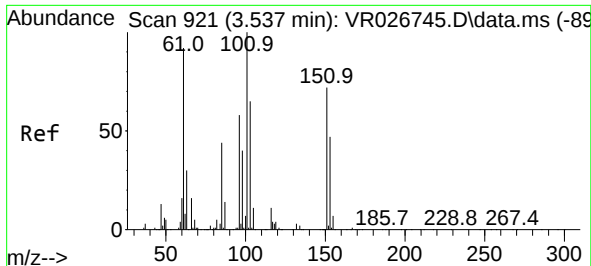
Tgt Ion:101 Resp: 130582
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.8



#8
 Diethyl Ether
 Concen: 1.388 ug/l
 RT: 3.248 min Scan# 831
 Delta R.T. 0.013 min
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Tgt Ion: 74 Resp: 19013
 Ion Ratio Lower Upper
 74 100
 45 93.1 47.5 142.6

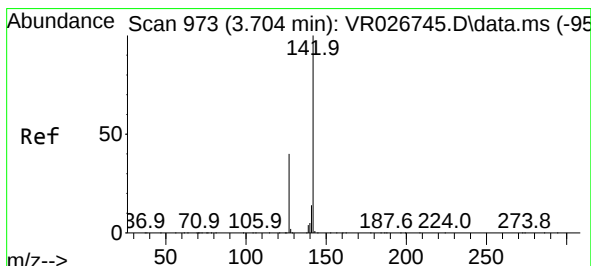
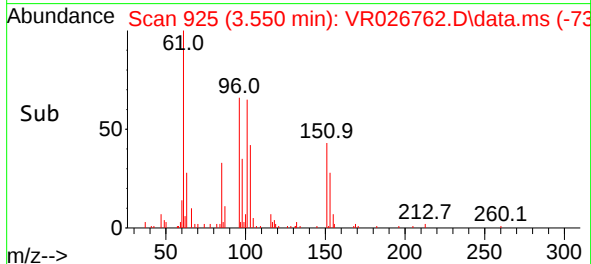
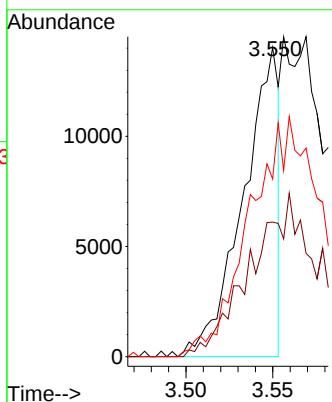
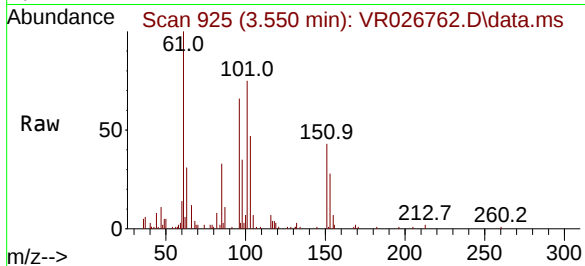




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.165 ug/l
RT: 3.550 min Scan# 911
Delta R.T. 0.013 min
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Acq: 25 Aug 2025 15:46

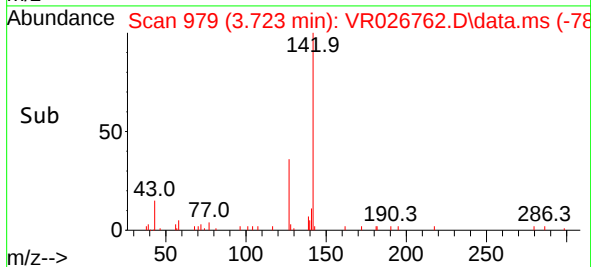
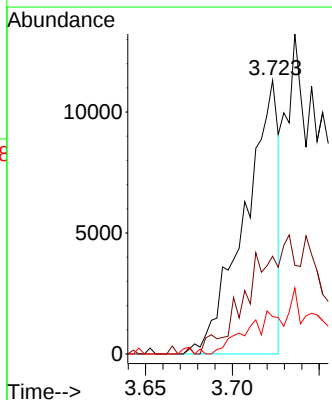
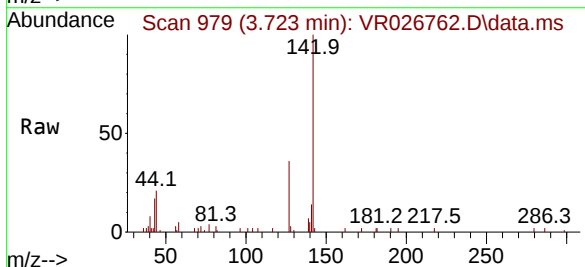
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

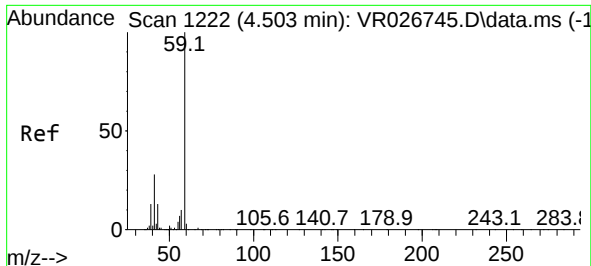
Tgt Ion:101 Resp: 19932
Ion Ratio Lower Upper
101 100
85 104.5 35.4 53.0#
151 168.3 57.2 85.8#



#10
Methyl Iodide
Concen: 0.841 ug/l
RT: 3.723 min Scan# 979
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:142 Resp: 15294
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 16.1 10.9 16.3

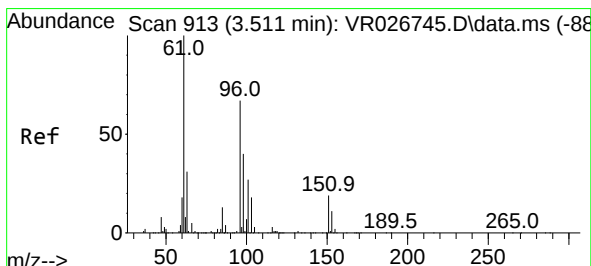
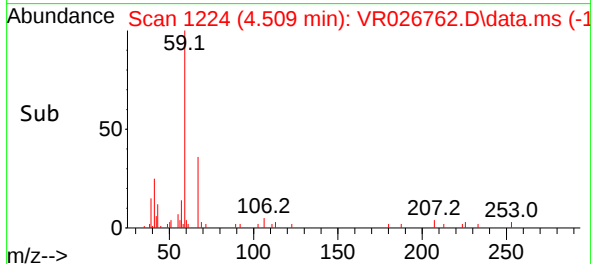
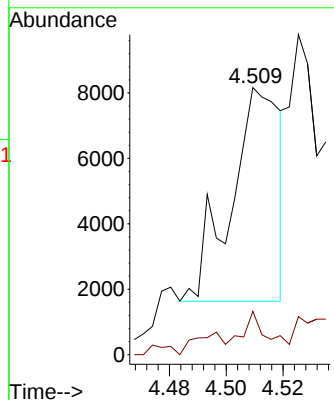
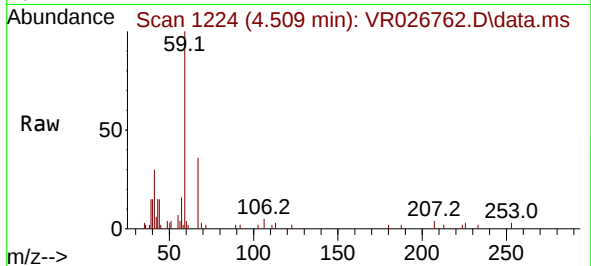




#11
Tert butyl alcohol
Concen: 2.816 ug/l
RT: 4.509 min Scan# 11
Delta R.T. 0.006 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

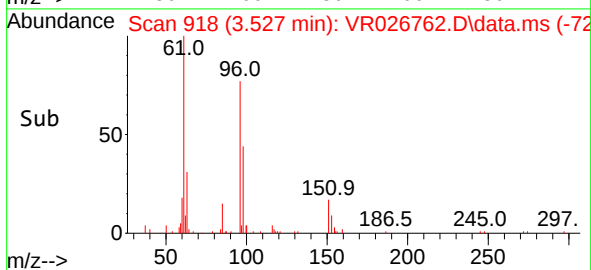
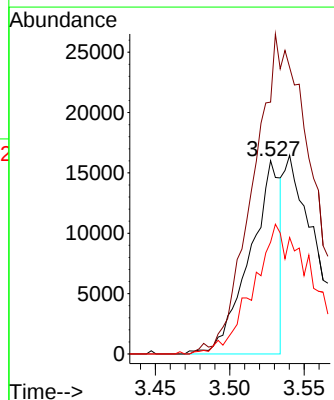
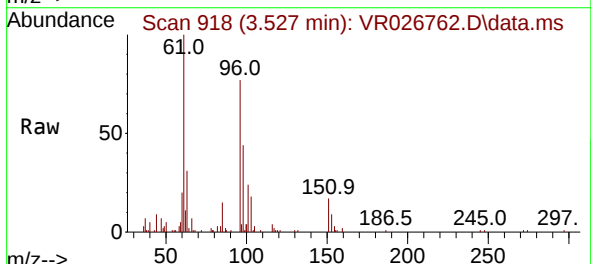
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

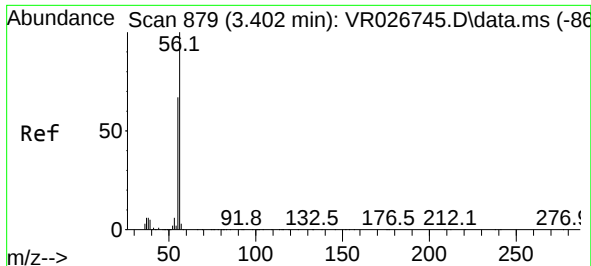
Tgt Ion: 59 Resp: 7727
Ion Ratio Lower Upper
59 100
57 8.2 3.8 5.8#



#12
1,1-Dichloroethene
Concen: 1.229 ug/l
RT: 3.527 min Scan# 918
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 96 Resp: 22818
Ion Ratio Lower Upper
96 100
61 130.3 118.7 178.1
98 56.7 47.7 71.5

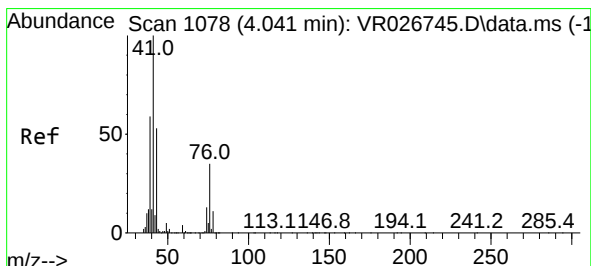
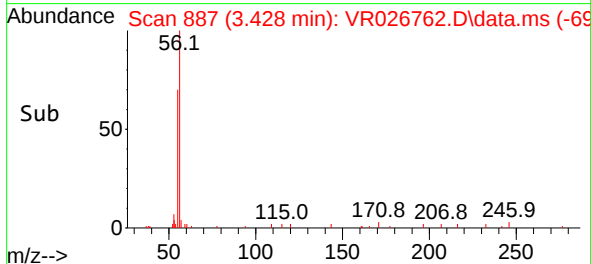
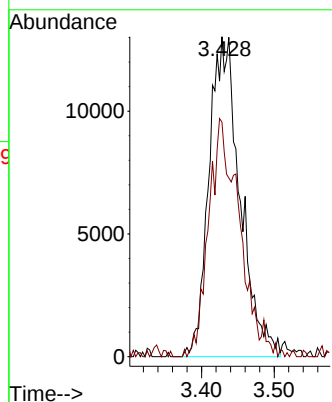
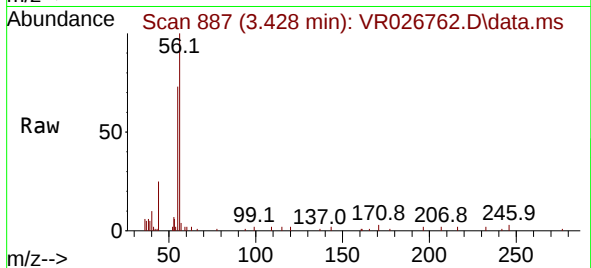




#13
Acrolein
Concen: 20.429 ug/l
RT: 3.428 min Scan# 81
Delta R.T. 0.026 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

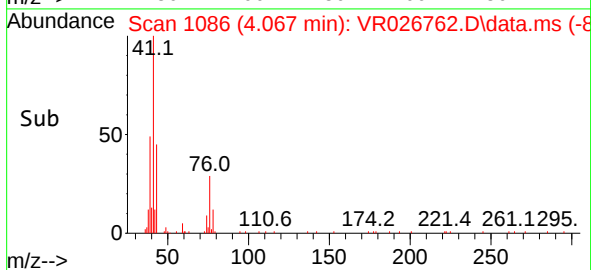
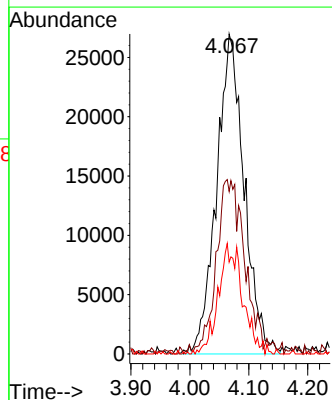
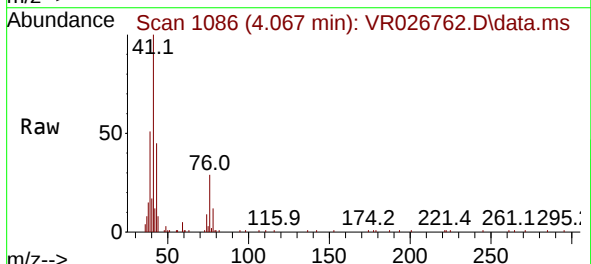
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

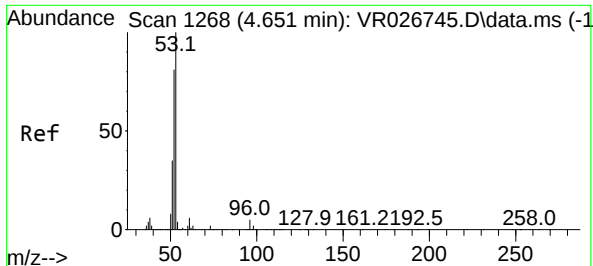
Tgt Ion: 56 Resp: 38738
Ion Ratio Lower Upper
56 100
55 71.3 56.9 85.3



#14
Allyl chloride
Concen: 2.567 ug/l
RT: 4.067 min Scan# 1086
Delta R.T. 0.026 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 41 Resp: 87853
Ion Ratio Lower Upper
41 100
39 25.5 45.8 68.6#
76 19.3 26.4 39.6#





#15

Acrylonitrile

Concen: 12.735 ug/l

RT: 4.673 min Scan# 1

Delta R.T. 0.022 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

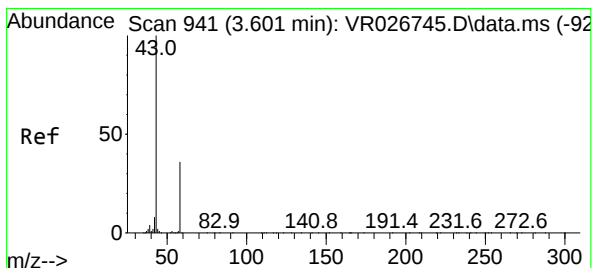
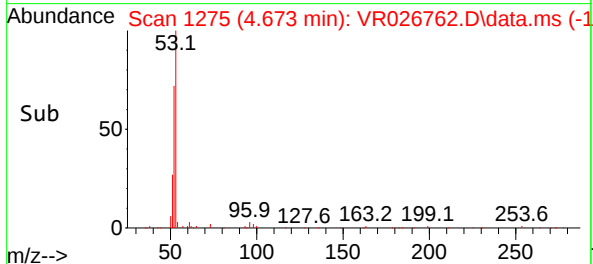
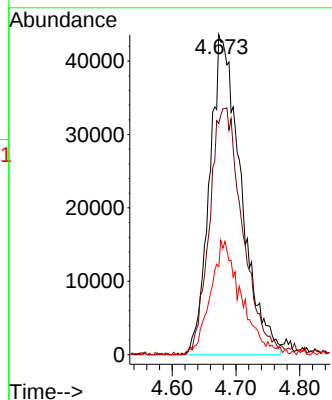
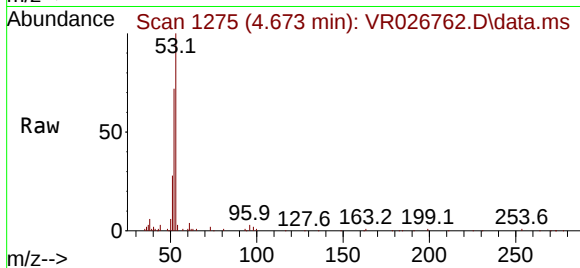
Tgt Ion: 53 Resp: 149430

Ion Ratio Lower Upper

53 100

52 81.3 65.7 98.5

51 34.0 28.4 42.6



#16

Acetone

Concen: 8.066 ug/l

RT: 3.627 min Scan# 949

Delta R.T. 0.026 min

Lab File: VR026762.D

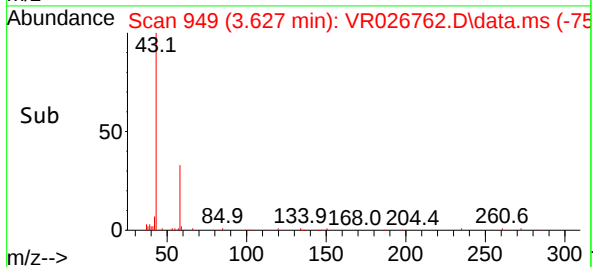
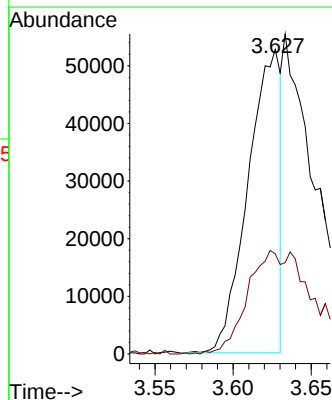
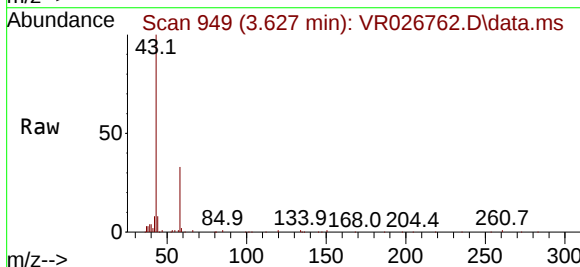
Acq: 25 Aug 2025 15:46

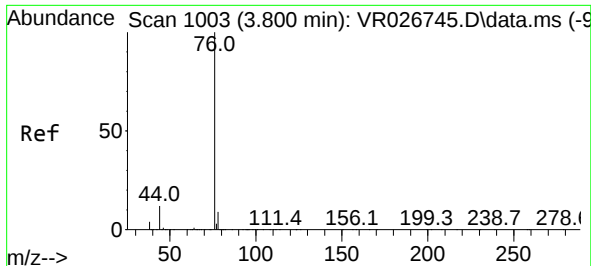
Tgt Ion: 43 Resp: 76191

Ion Ratio Lower Upper

43 100

58 33.0 28.6 43.0

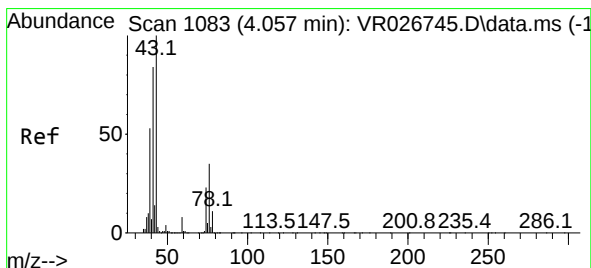
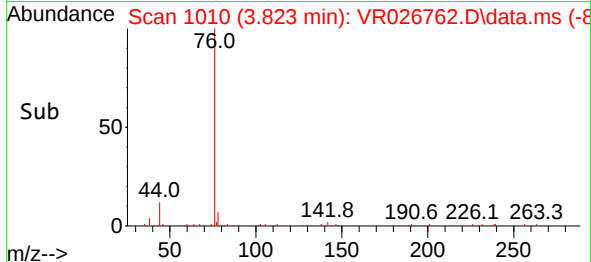
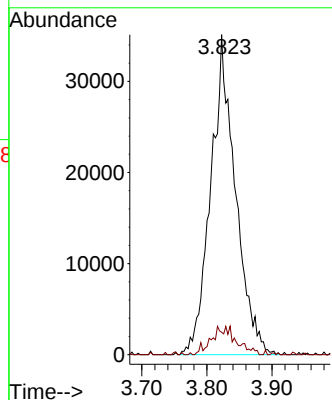
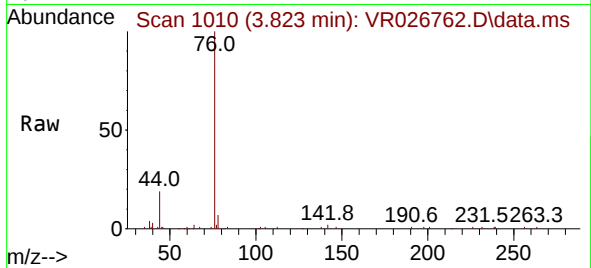




#17
Carbon Disulfide
Concen: 2.050 ug/l
RT: 3.823 min Scan# 1010
Delta R.T. 0.022 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

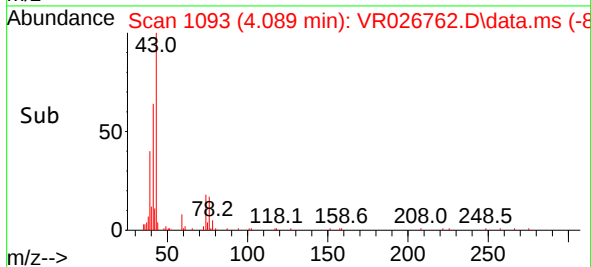
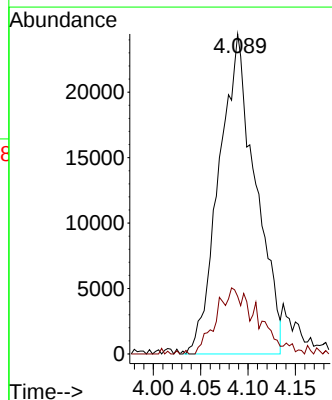
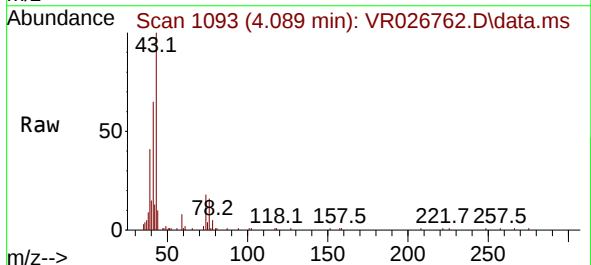
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

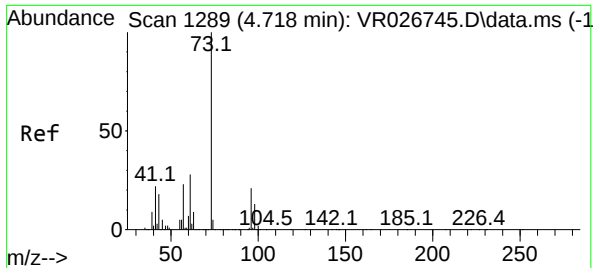
Tgt Ion: 76 Resp: 92486
Ion Ratio Lower Upper
76 100
78 7.0 7.0 10.6#



#18
Methyl Acetate
Concen: 2.379 ug/l
RT: 4.089 min Scan# 1093
Delta R.T. 0.032 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 43 Resp: 65477
Ion Ratio Lower Upper
43 100
74 17.3 19.1 28.7#

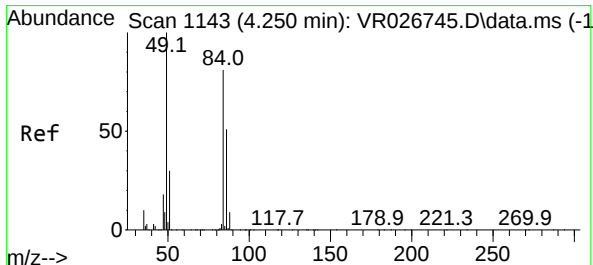
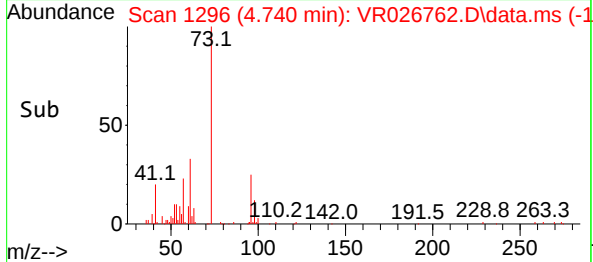
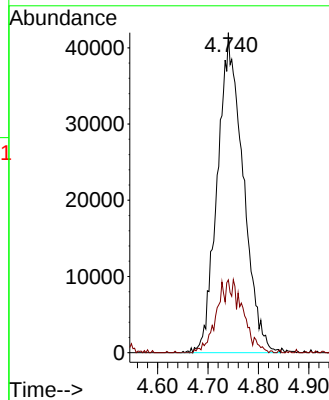
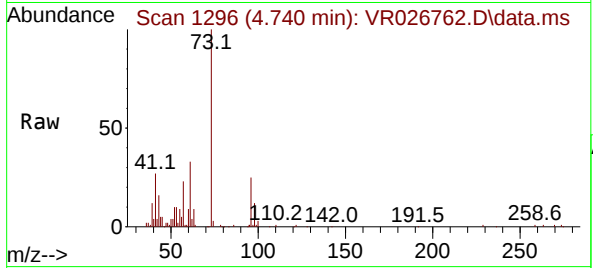




#19
Methyl tert-butyl Ether
Concen: 2.519 ug/l
RT: 4.740 min Scan# 1150
Delta R.T. 0.022 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

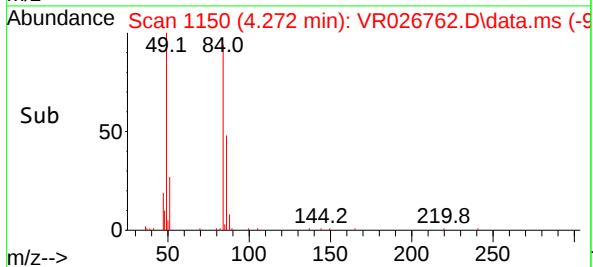
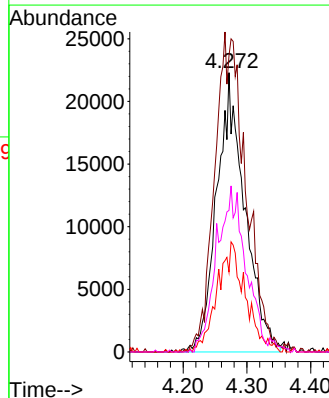
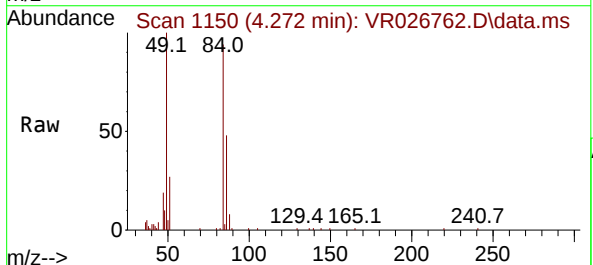
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

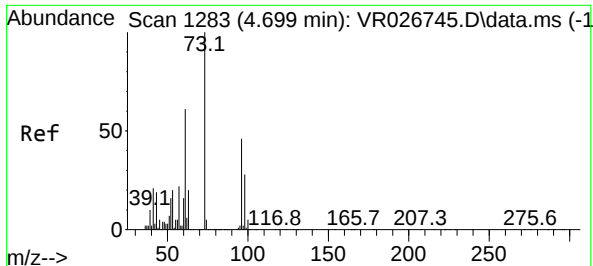
Tgt Ion: 73 Resp: 148408
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2



#20
Methylene Chloride
Concen: 3.368 ug/l
RT: 4.272 min Scan# 1150
Delta R.T. 0.022 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 84 Resp: 67872
Ion Ratio Lower Upper
84 100
49 106.0 98.8 148.2
51 28.6 29.4 44.2#
86 50.7 50.5 75.7

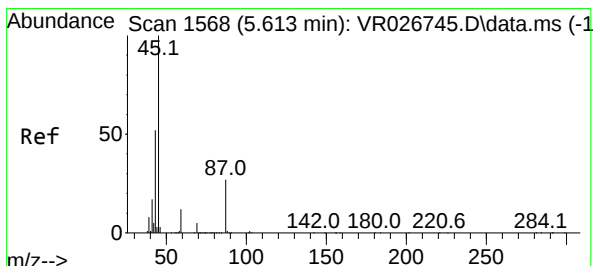
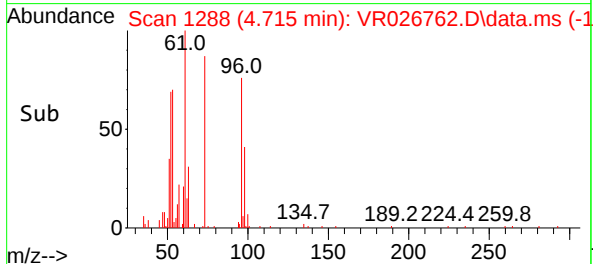
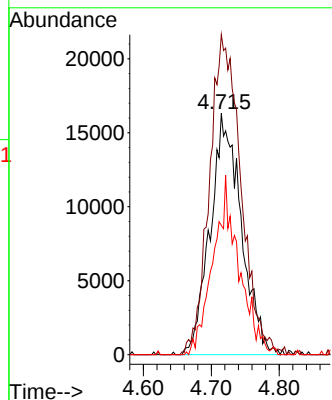
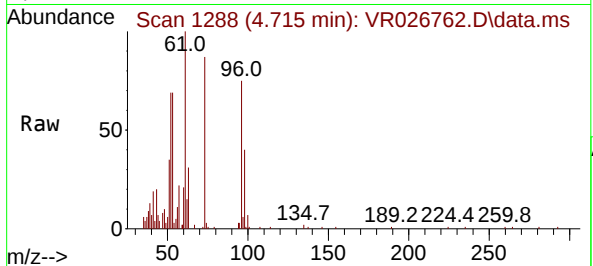




#21
trans-1,2-Dichloroethene
Concen: 2.667 ug/l
RT: 4.715 min Scan# 11
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

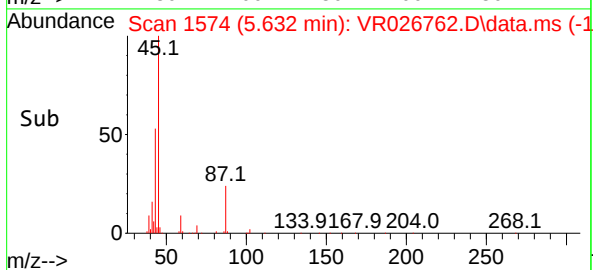
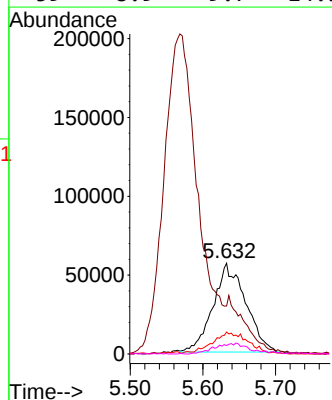
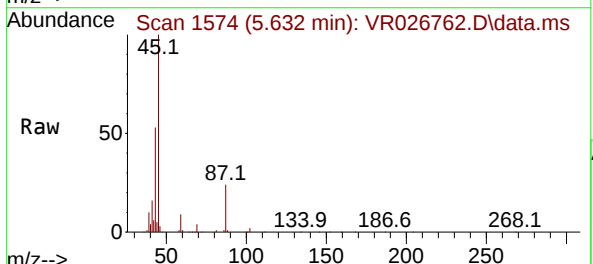
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

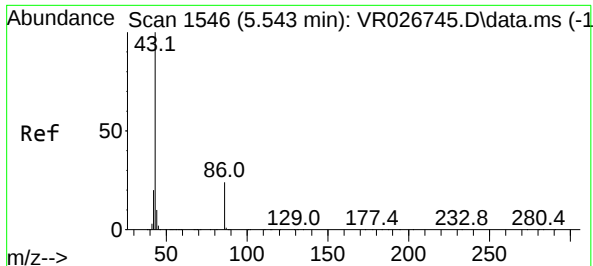
Tgt Ion: 96 Resp: 51793
Ion Ratio Lower Upper
96 100
61 132.7 107.1 160.7
98 53.6 49.7 74.5



#22
Diisopropyl ether
Concen: 2.493 ug/l
RT: 5.632 min Scan# 1574
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 45 Resp: 175538
Ion Ratio Lower Upper
45 100
43 50.9 41.8 62.8
87 23.6 21.7 32.5
59 8.9 9.7 14.5#

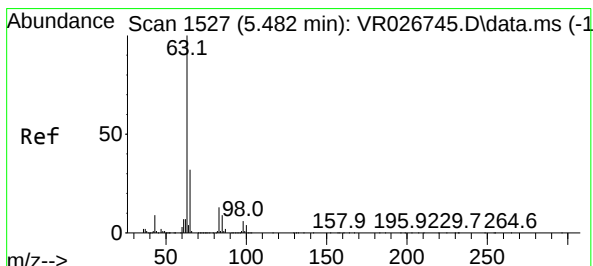
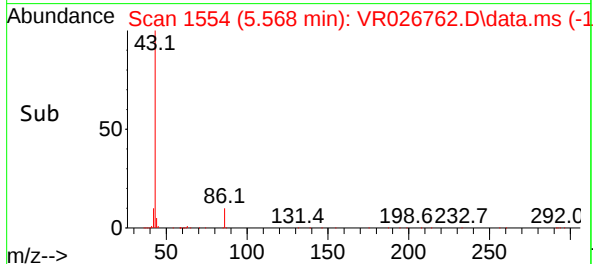
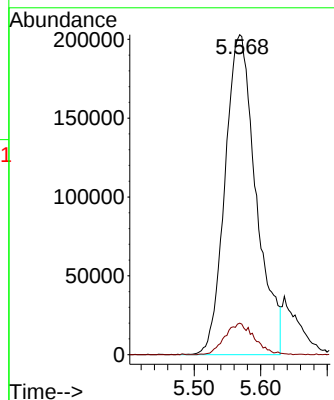
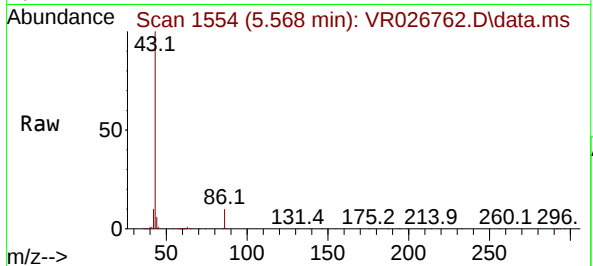




#23
 Vinyl Acetate
 Concen: 14.135 ug/l
 RT: 5.568 min Scan# 1554
 Delta R.T. 0.025 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

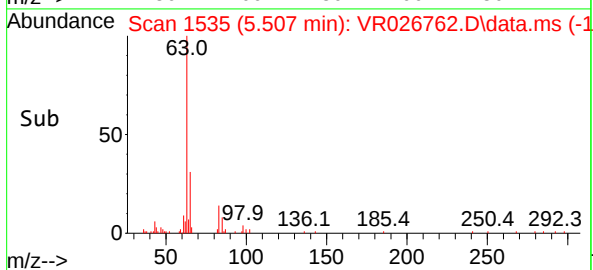
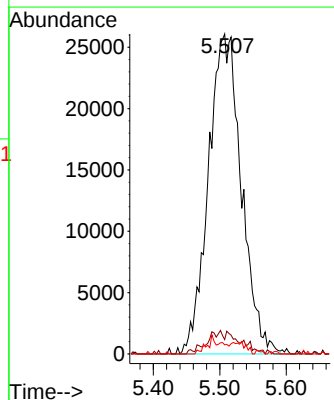
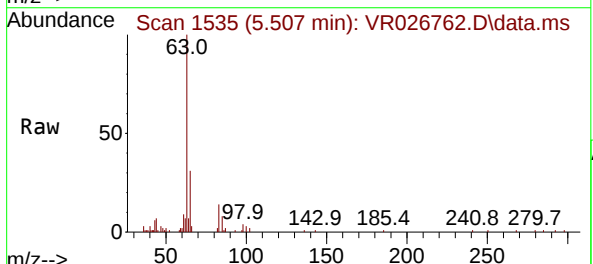
Instrument : MSVOA_R
 ClientSampleId : MDL-WATER-03-QT3-2025

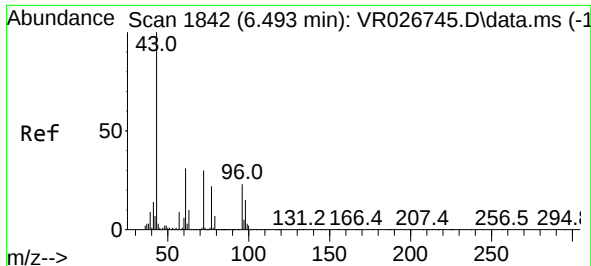
Tgt Ion: 43 Resp: 660163
 Ion Ratio Lower Upper
 43 100
 86 9.8 18.9 28.3#



#24
 1,1-Dichloroethane
 Concen: 2.596 ug/l
 RT: 5.507 min Scan# 1535
 Delta R.T. 0.026 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Tgt Ion: 63 Resp: 89949
 Ion Ratio Lower Upper
 63 100
 98 4.5 3.1 9.3
 100 2.9 2.1 6.2





#25

2-Butanone

Concen: 13.940 ug/l

RT: 6.525 min Scan# 1852

Delta R.T. 0.032 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

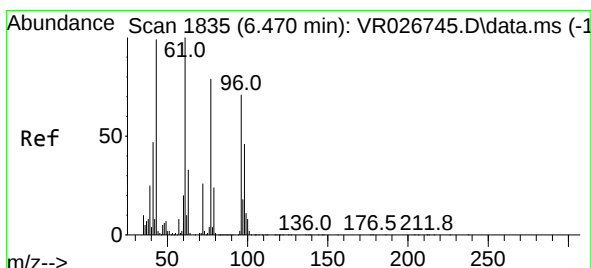
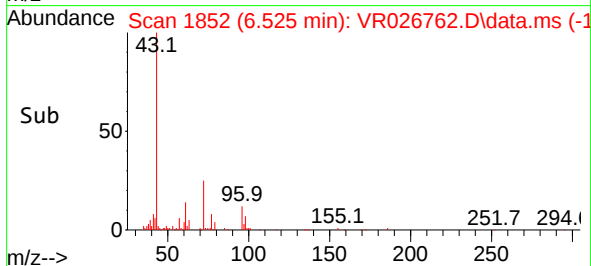
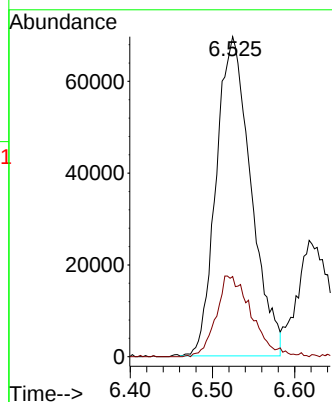
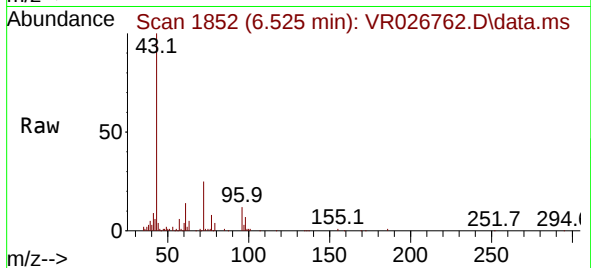
MDL-WATER-03-QT3-2025

Tgt Ion: 43 Resp: 204457

Ion Ratio Lower Upper

43 100

72 25.1 23.8 35.8



#26

2,2-Dichloropropane

Concen: 2.278 ug/l

RT: 6.492 min Scan# 1842

Delta R.T. 0.022 min

Lab File: VR026762.D

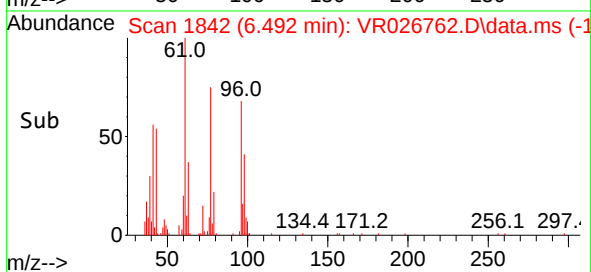
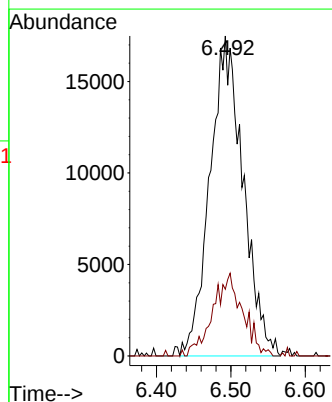
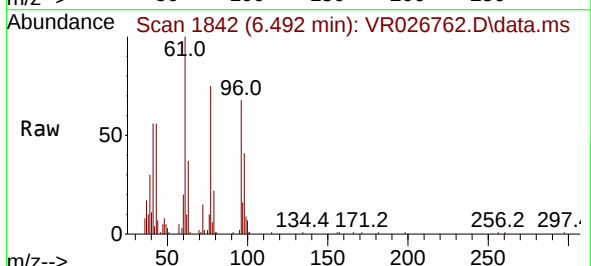
Acq: 25 Aug 2025 15:46

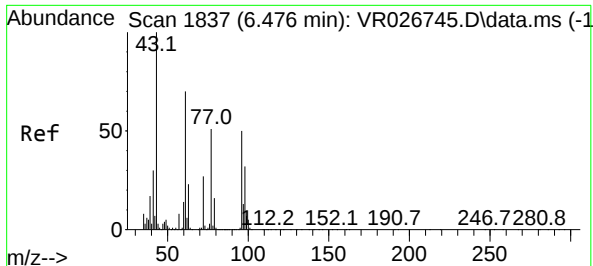
Tgt Ion: 77 Resp: 54079

Ion Ratio Lower Upper

77 100

97 12.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 2.497 ug/l

RT: 6.496 min Scan# 11

Delta R.T. 0.020 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

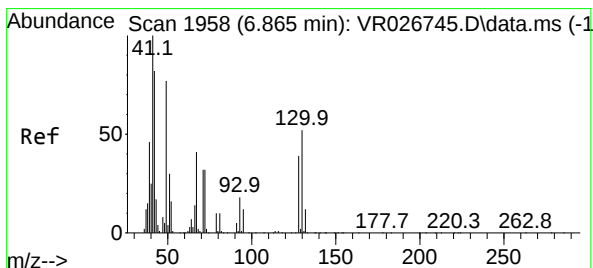
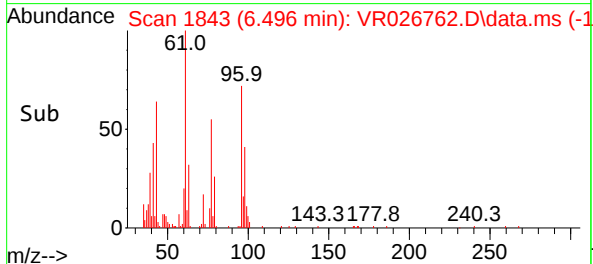
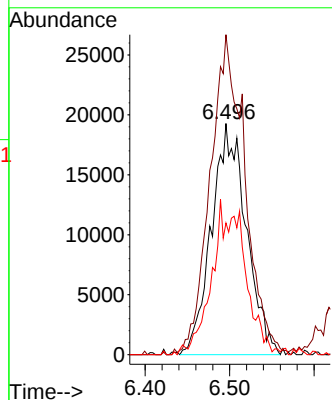
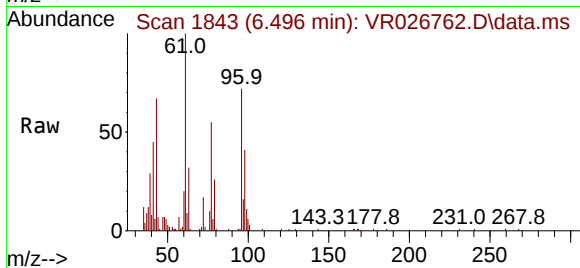
Tgt Ion: 96 Resp: 54892

Ion Ratio Lower Upper

96 100

61 139.4 0.0 280.6

98 29.2 0.0 127.6



#28

Bromochloromethane

Concen: 1.490 ug/l

RT: 6.878 min Scan# 1962

Delta R.T. 0.013 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

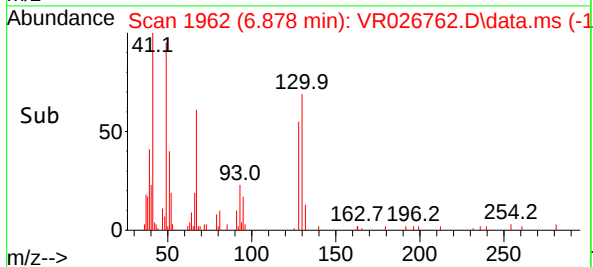
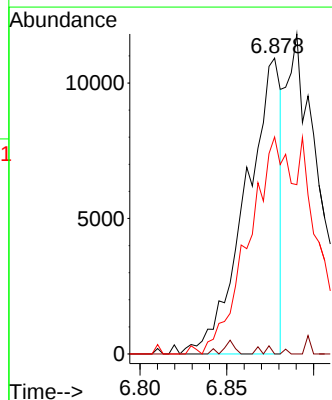
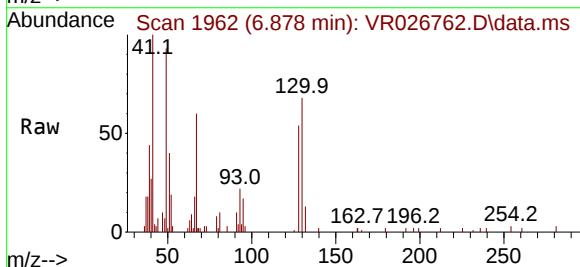
Tgt Ion: 49 Resp: 15286

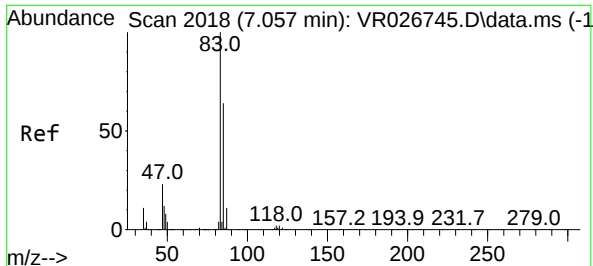
Ion Ratio Lower Upper

49 100

129 0.9 0.0 1.6

130 93.1 53.4 80.2#





#29

Chloroform

Concen: 2.599 ug/l

RT: 7.076 min Scan# 2018

Delta R.T. 0.019 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

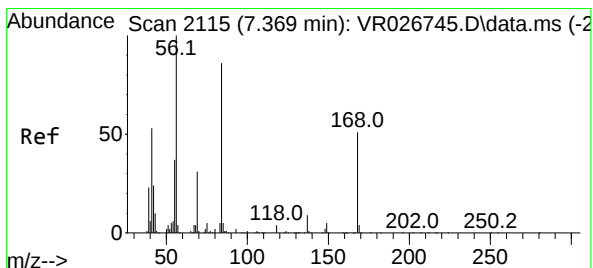
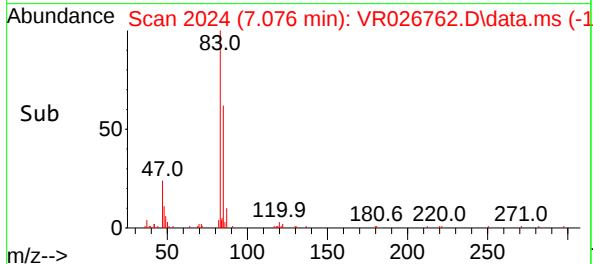
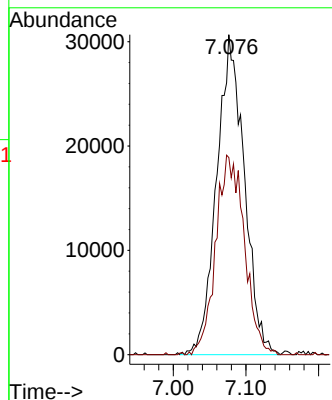
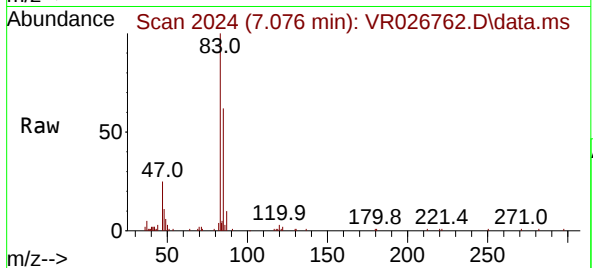
MDL-WATER-03-QT3-2025

Tgt Ion: 83 Resp: 80917

Ion Ratio Lower Upper

83 100

85 61.6 51.5 77.3



#30

Cyclohexane

Concen: 3.185 ug/l

RT: 7.394 min Scan# 2123

Delta R.T. 0.026 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

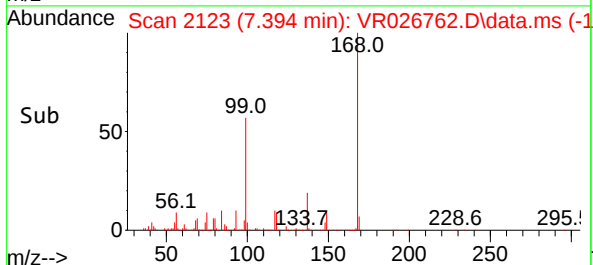
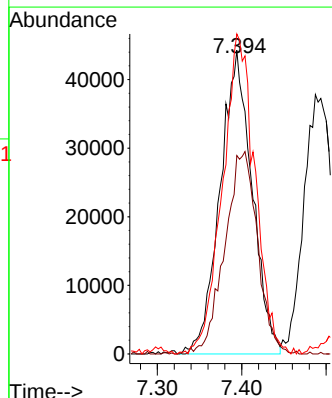
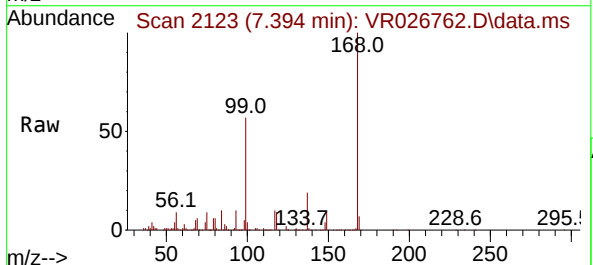
Tgt Ion: 56 Resp: 116405

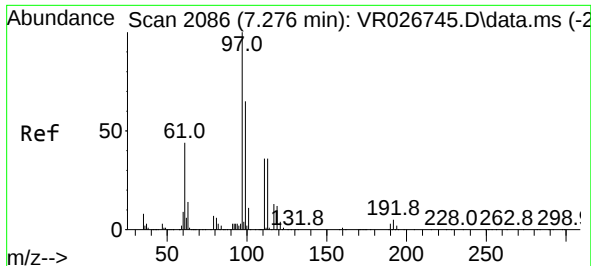
Ion Ratio Lower Upper

56 100

69 64.9 24.6 37.0#

84 104.7 68.7 103.1#

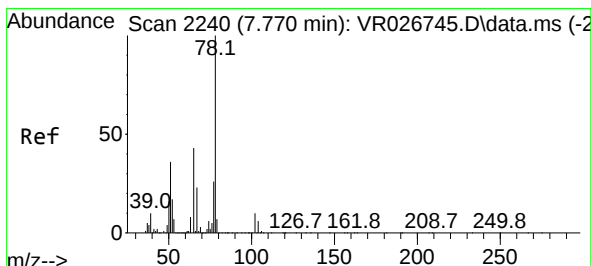
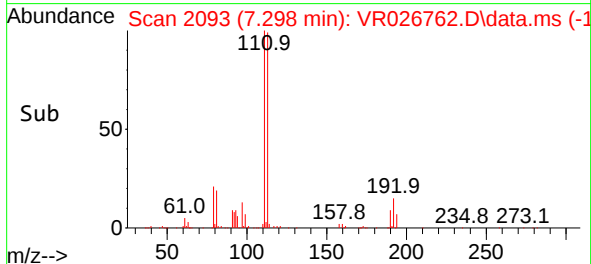
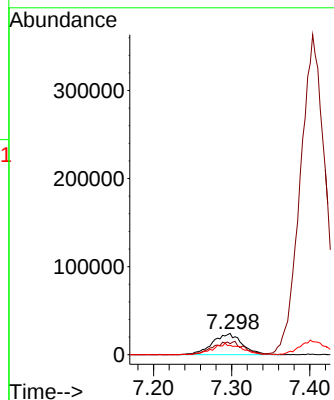
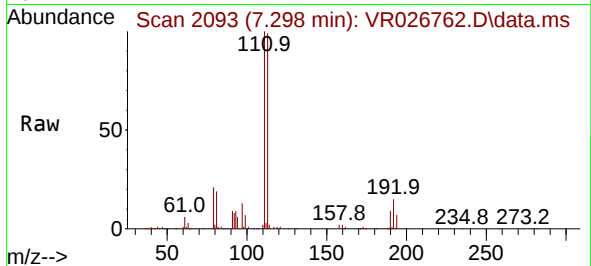




#31
 1,1,1-Trichloroethane
 Concen: 2.504 ug/l
 RT: 7.298 min Scan# 2086
 Delta R.T. 0.022 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

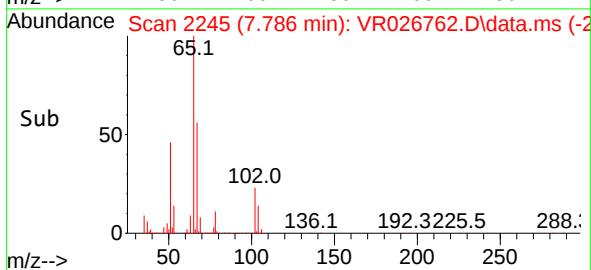
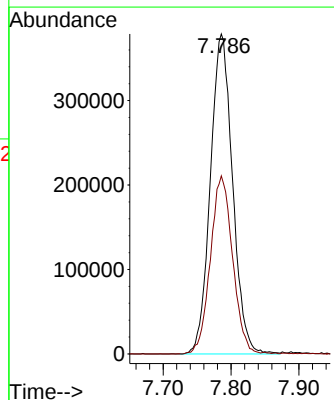
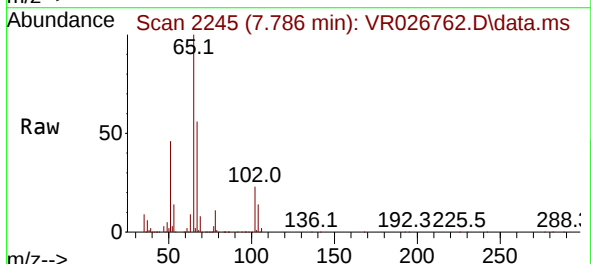
Instrument : MSVOA_R
 ClientSampleId : MDL-WATER-03-QT3-2025

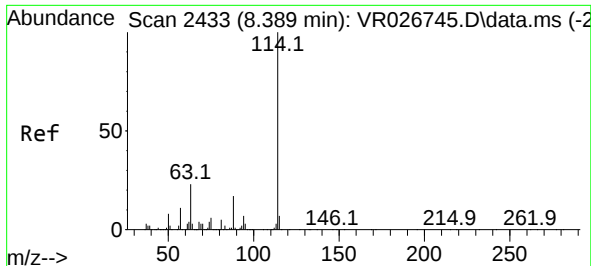
Tgt Ion: 97 Resp: 63305
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.4#
 61 50.2 35.0 52.4



#32
 1,2-Dichloroethane-d4
 Concen: 48.249 ug/l
 RT: 7.786 min Scan# 2245
 Delta R.T. 0.016 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Tgt Ion: 65 Resp: 861041
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.405 min Scan# 2433

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

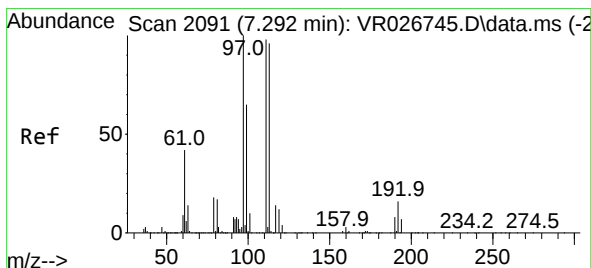
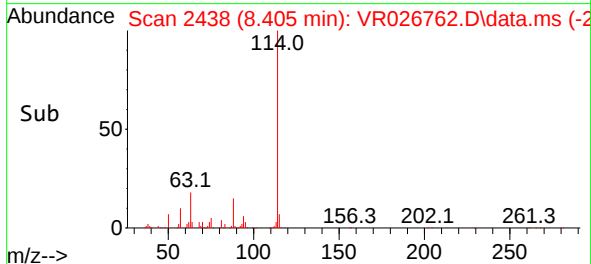
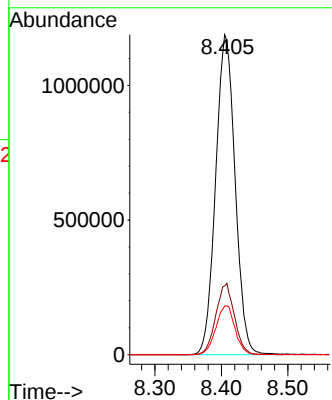
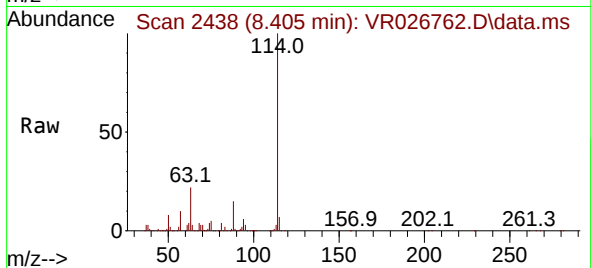
Tgt Ion:114 Resp: 2418520

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.8

88 15.2 0.0 34.8



#34

Dibromofluoromethane

Concen: 46.083 ug/l

RT: 7.314 min Scan# 2098

Delta R.T. 0.022 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

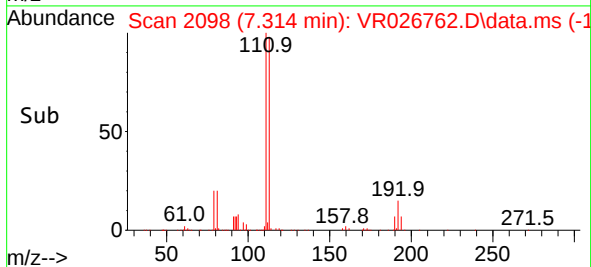
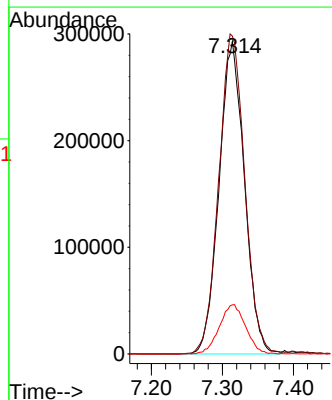
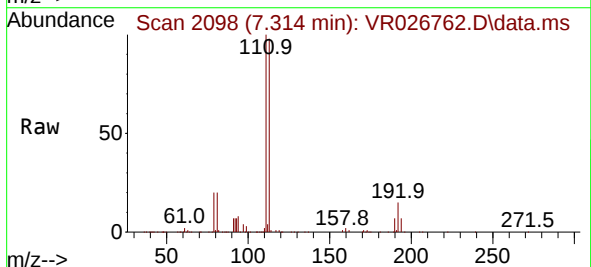
Tgt Ion:113 Resp: 726910

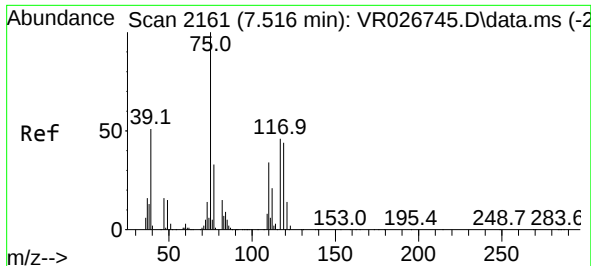
Ion Ratio Lower Upper

113 100

111 104.8 82.8 124.2

192 16.4 12.9 19.3

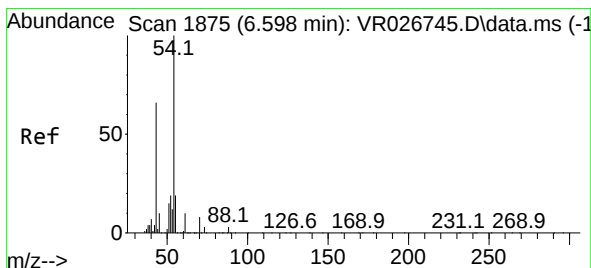
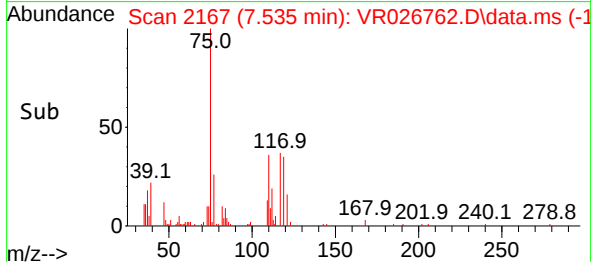
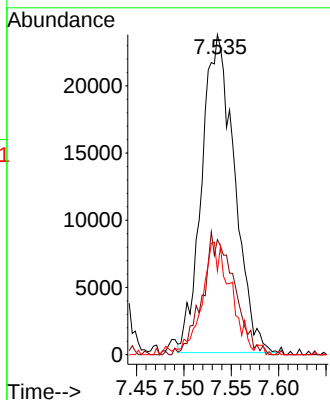
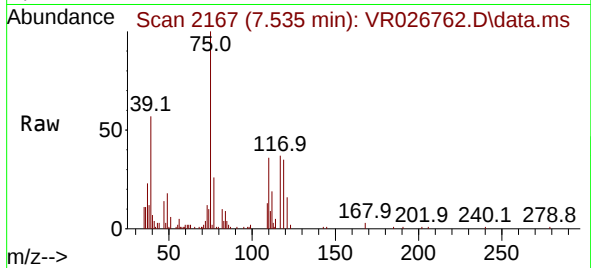




#35
1,1-Dichloropropene
Concen: 2.313 ug/l
RT: 7.535 min Scan# 2161
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

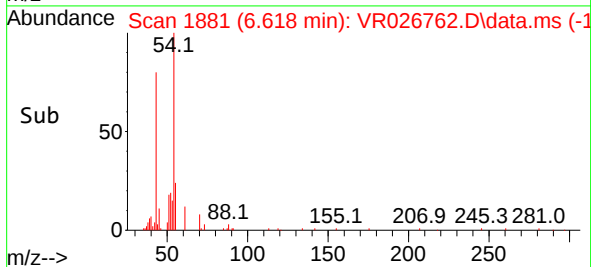
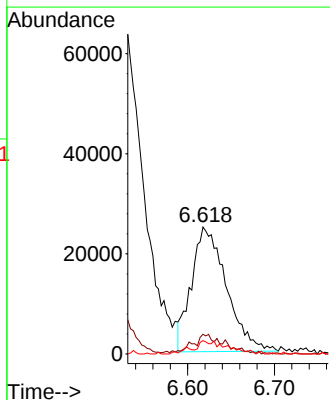
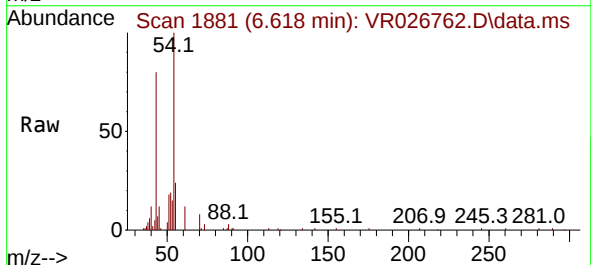
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

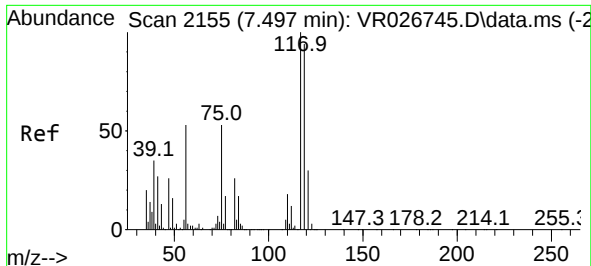
Tgt Ion: 75 Resp: 56823
Ion Ratio Lower Upper
75 100
110 37.0 17.3 52.0
77 28.9 25.1 37.7



#36
Ethyl Acetate
Concen: 2.221 ug/l
RT: 6.618 min Scan# 1881
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 43 Resp: 69800
Ion Ratio Lower Upper
43 100
61 9.5 11.4 17.2#
70 8.3 8.4 12.6#

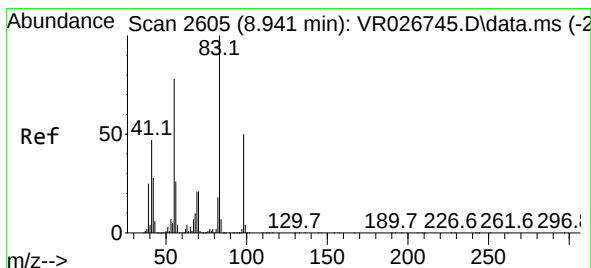
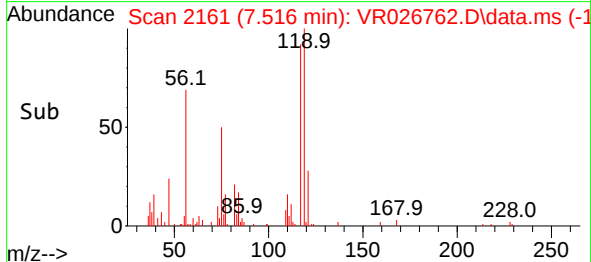
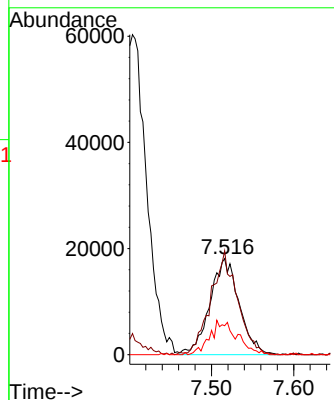
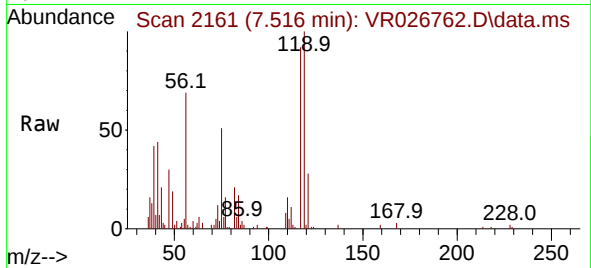




#37
Carbon Tetrachloride
Concen: 2.033 ug/l
RT: 7.516 min Scan# 2155
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

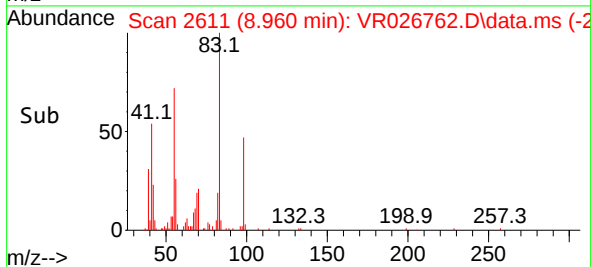
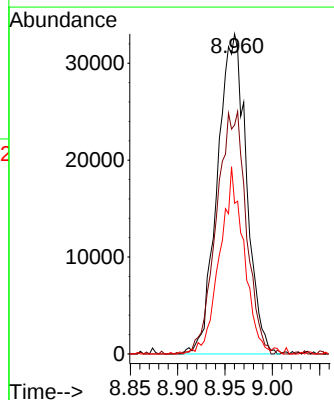
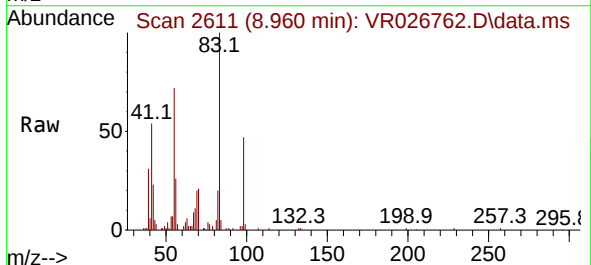
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

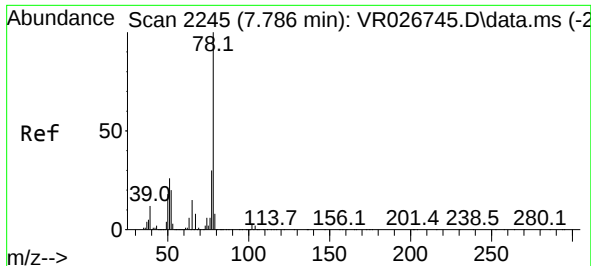
Tgt Ion:117 Resp: 44934
Ion Ratio Lower Upper
117 100
119 108.3 75.1 112.7
121 30.2 24.2 36.2



#38
Methylcyclohexane
Concen: 2.289 ug/l
RT: 8.960 min Scan# 2611
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 83 Resp: 70365
Ion Ratio Lower Upper
83 100
55 71.6 62.6 94.0
98 46.6 39.9 59.9





#39

Benzene

Concen: 2.729 ug/l

RT: 7.805 min Scan# 21

Delta R.T. 0.019 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

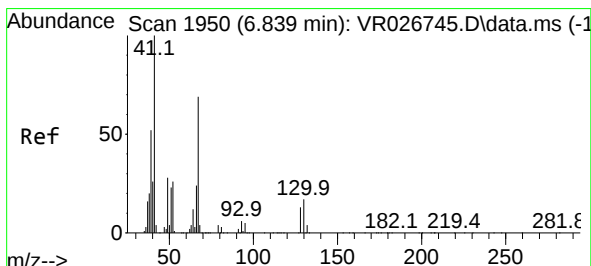
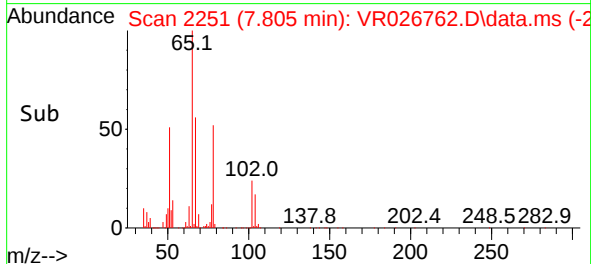
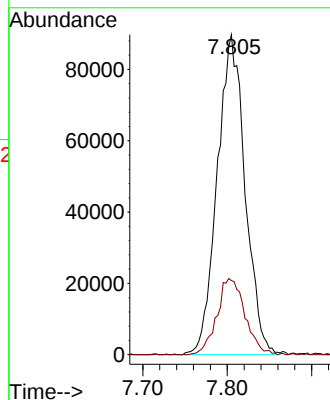
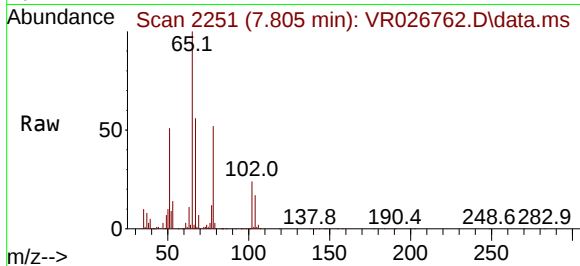
MDL-WATER-03-QT3-2025

Tgt Ion: 78 Resp: 205837

Ion Ratio Lower Upper

78 100

77 23.1 24.3 36.5#



#40

Methacrylonitrile

Concen: 2.159 ug/l

RT: 6.868 min Scan# 1959

Delta R.T. 0.029 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Tgt Ion: 41 Resp: 35389

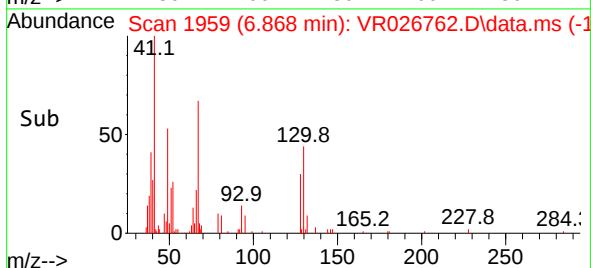
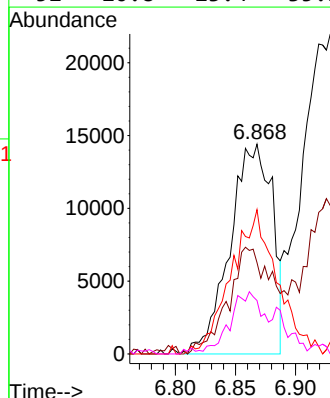
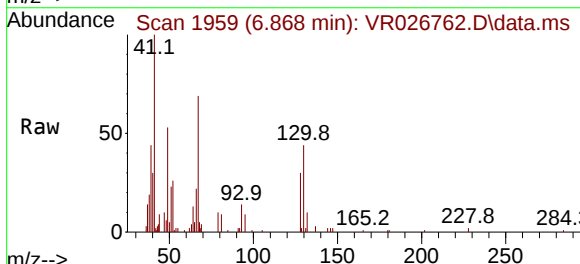
Ion Ratio Lower Upper

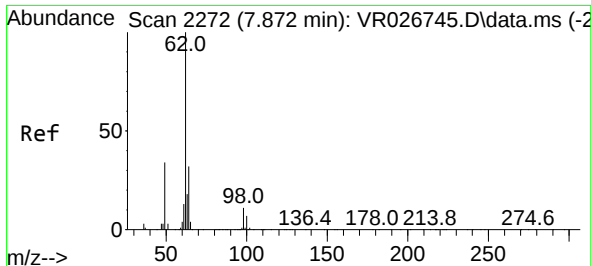
41 100

39 51.3 43.0 64.4

67 74.4 62.6 94.0

52 20.8 23.4 35.2#





#41

1,2-Dichloroethane

Concen: 2.472 ug/l

RT: 7.888 min Scan# 21

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

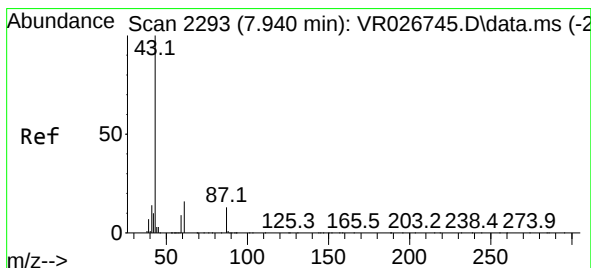
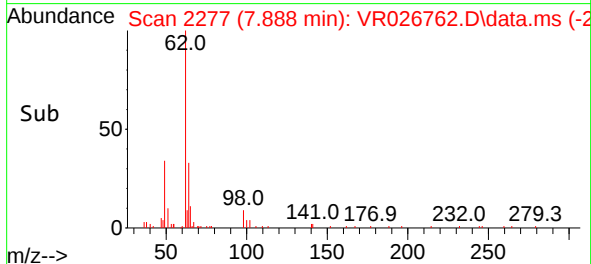
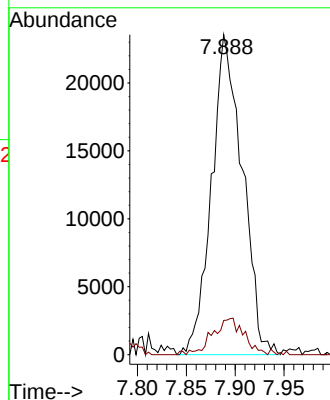
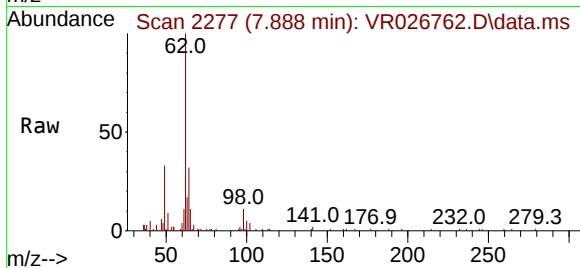
MDL-WATER-03-QT3-2025

Tgt Ion: 62 Resp: 51689

Ion Ratio Lower Upper

62 100

98 11.4 0.0 21.2



#42

Isopropyl Acetate

Concen: 2.208 ug/l

RT: 7.959 min Scan# 2299

Delta R.T. 0.019 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

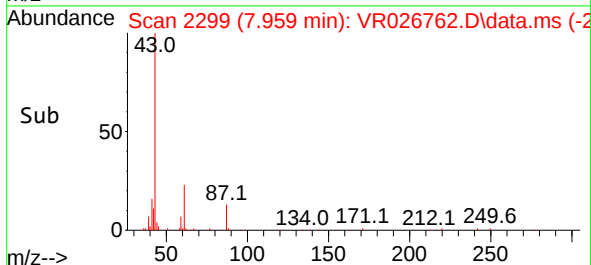
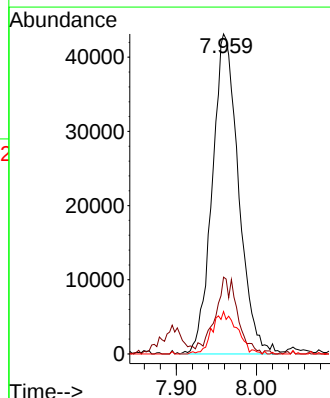
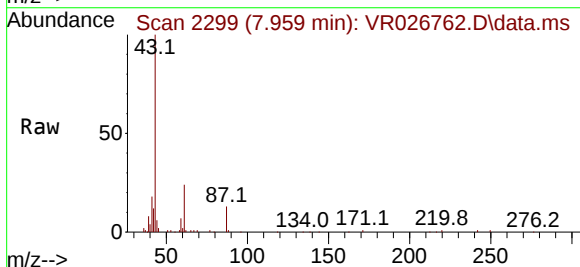
Tgt Ion: 43 Resp: 98381

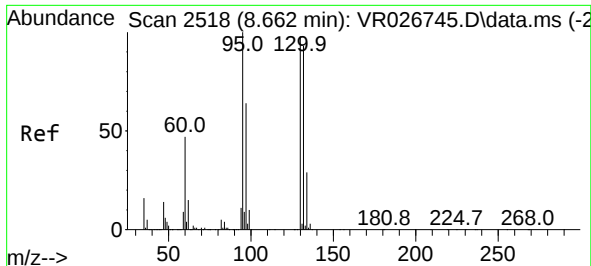
Ion Ratio Lower Upper

43 100

61 20.5 16.8 25.2

87 12.3 10.2 15.4





#43

Trichloroethene

Concen: 2.442 ug/l

RT: 8.678 min Scan# 21

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

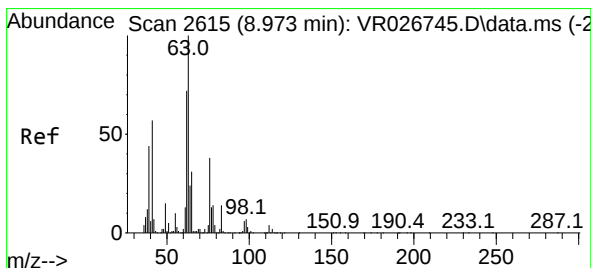
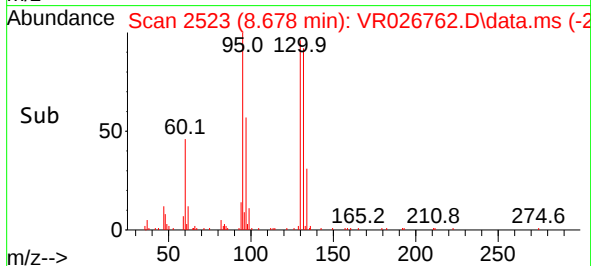
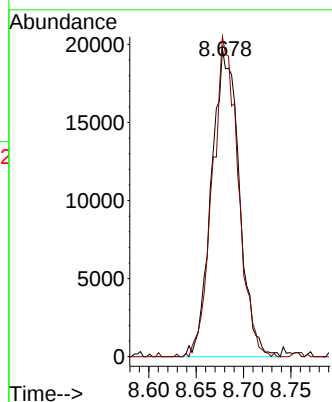
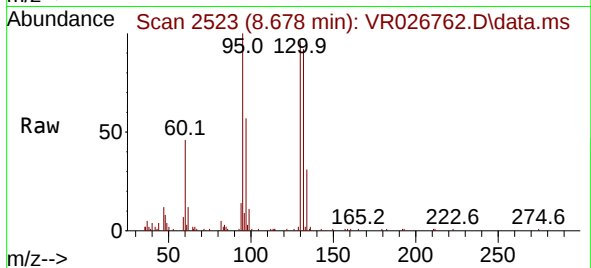
MDL-WATER-03-QT3-2025

Tgt Ion:130 Resp: 40180

Ion Ratio Lower Upper

130 100

95 103.9 0.0 203.4



#44

1,2-Dichloropropane

Concen: 2.392 ug/l

RT: 8.995 min Scan# 2622

Delta R.T. 0.022 min

Lab File: VR026762.D

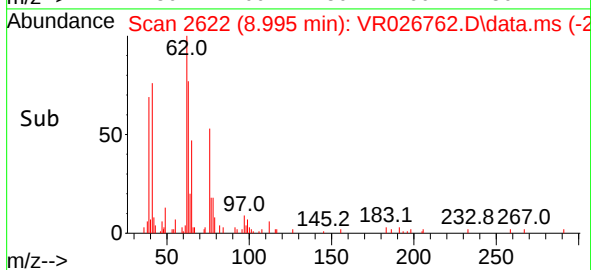
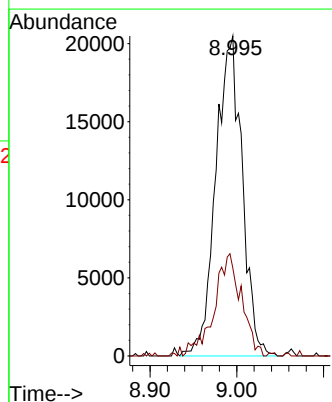
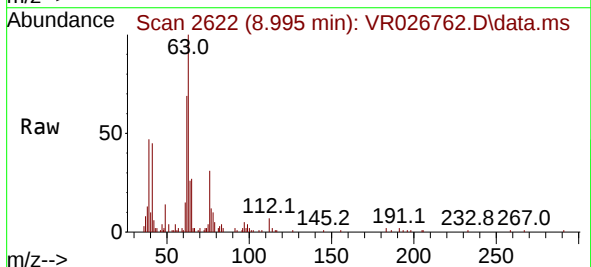
Acq: 25 Aug 2025 15:46

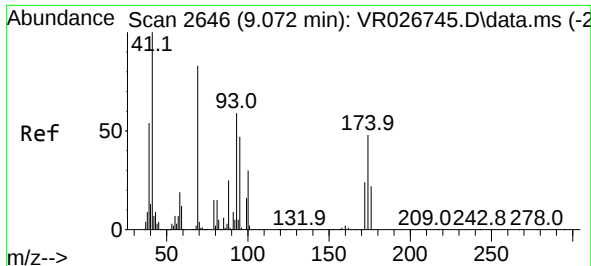
Tgt Ion: 63 Resp: 43183

Ion Ratio Lower Upper

63 100

65 27.4 24.8 37.2

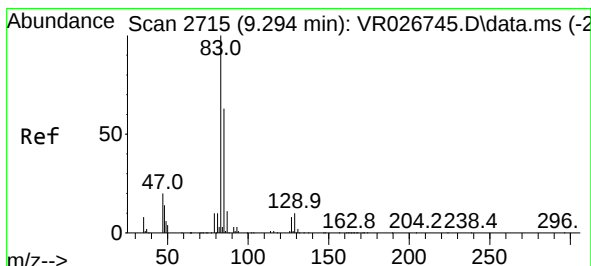
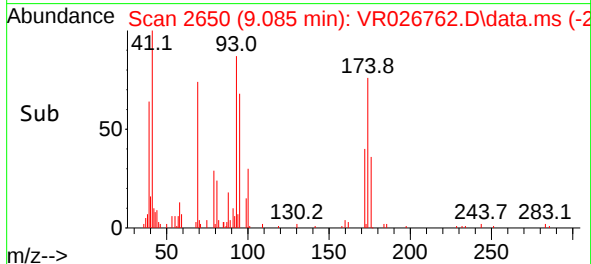
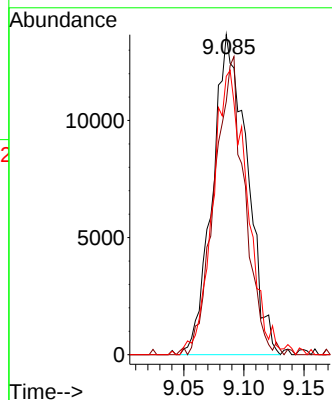
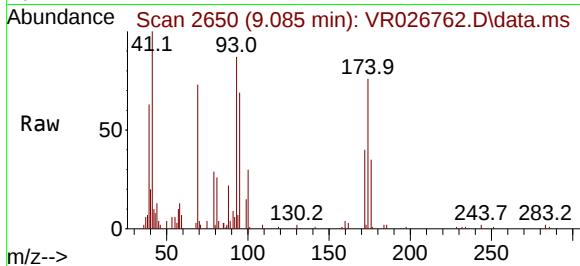




#45
Dibromomethane
Concen: 2.393 ug/l
RT: 9.085 min Scan# 2720
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

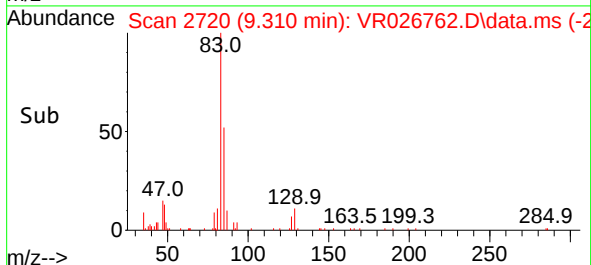
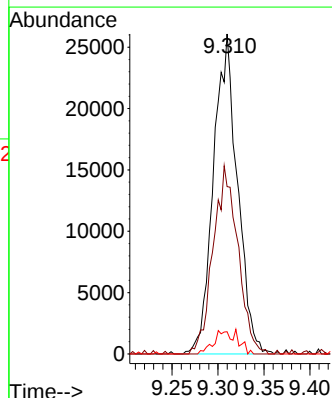
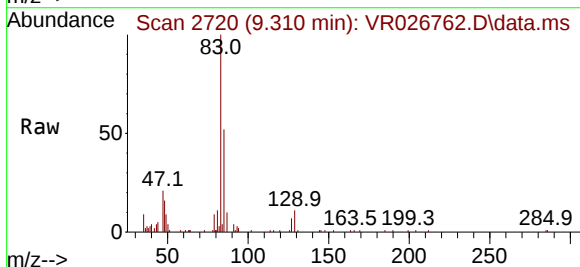
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

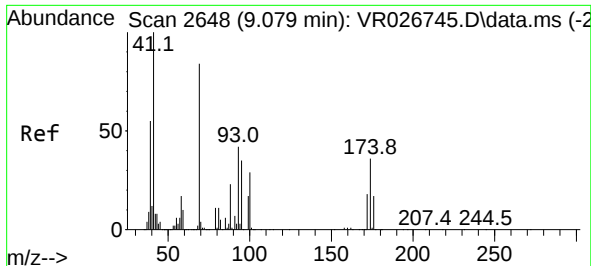
Tgt Ion: 93 Resp: 27446
Ion Ratio Lower Upper
93 100
95 81.3 65.4 98.0
174 87.3 66.5 99.7



#46
Bromodichloromethane
Concen: 2.218 ug/l
RT: 9.310 min Scan# 2720
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 83 Resp: 47351
Ion Ratio Lower Upper
83 100
85 52.3 50.8 76.2
127 7.0 6.0 9.0





#47

Methyl methacrylate

Concen: 2.128 ug/l

RT: 9.095 min Scan# 2653

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

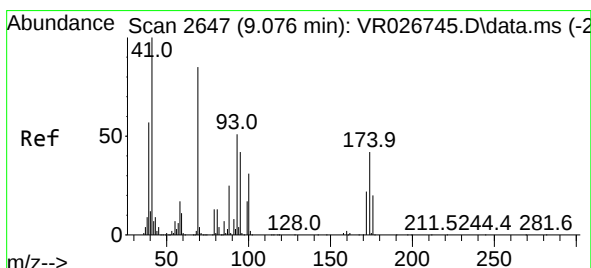
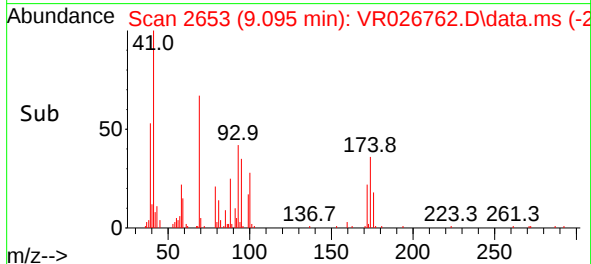
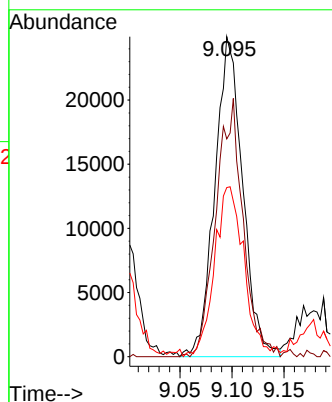
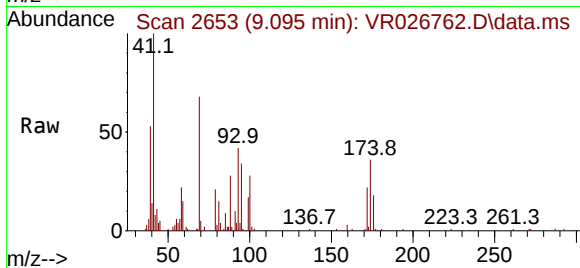
Tgt Ion: 41 Resp: 46281

Ion Ratio Lower Upper

41 100

69 78.6 66.5 99.7

39 56.0 43.3 64.9



#48

1,4-Dioxane

Concen: 26.966 ug/l

RT: 9.095 min Scan# 2653

Delta R.T. 0.019 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

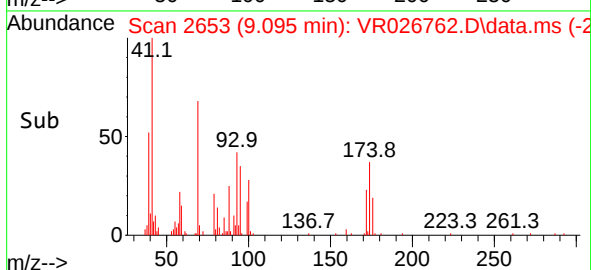
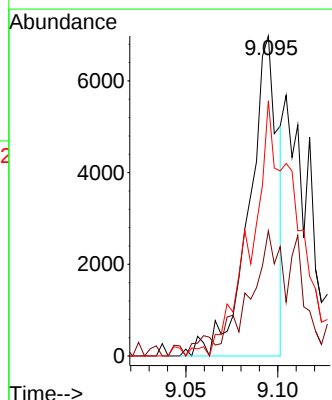
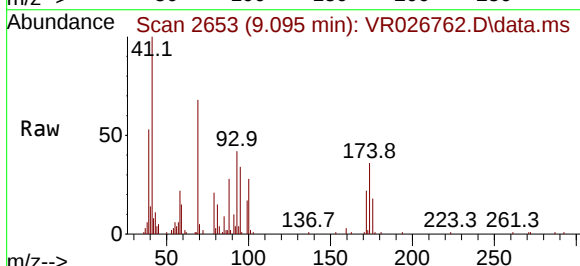
Tgt Ion: 88 Resp: 7533

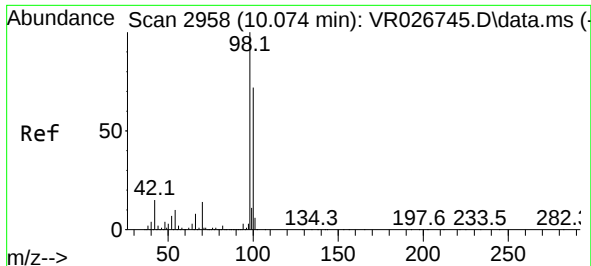
Ion Ratio Lower Upper

88 100

43 35.9 27.1 40.7

58 131.2 55.9 83.9#

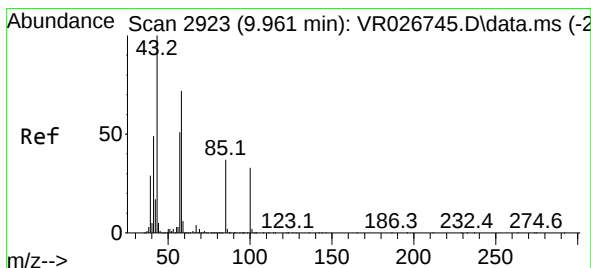
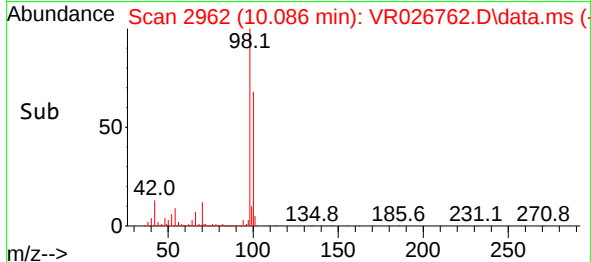
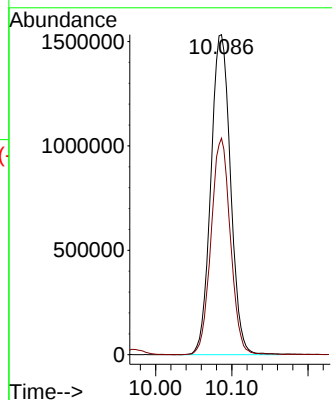
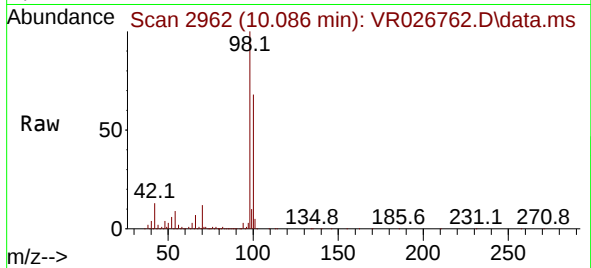




#49
Toluene-d8
Concen: 52.017 ug/l
RT: 10.086 min Scan# 2958
Delta R.T. 0.012 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

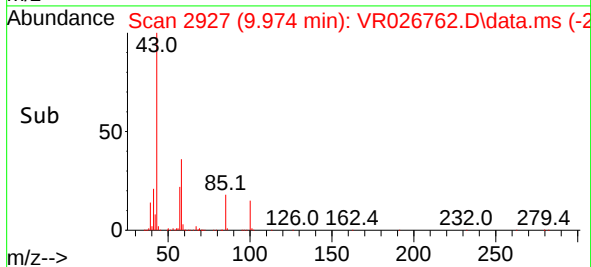
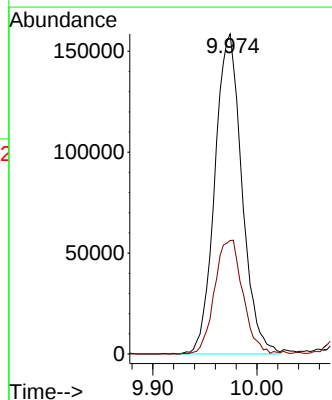
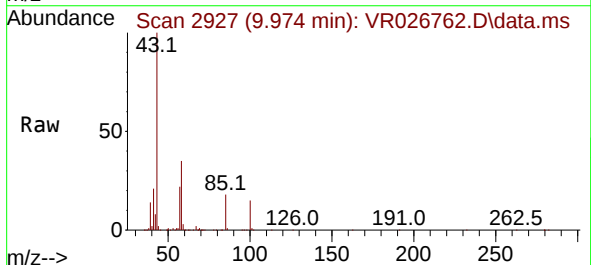
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

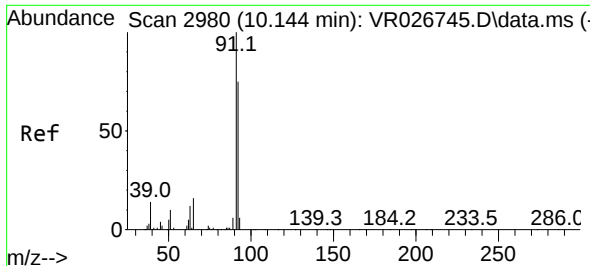
Tgt Ion: 98 Resp: 2750686
Ion Ratio Lower Upper
98 100
100 66.3 55.7 83.5



#50
4-Methyl-2-Pentanone
Concen: 13.039 ug/l
RT: 9.974 min Scan# 2927
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 43 Resp: 287192
Ion Ratio Lower Upper
43 100
58 37.0 46.8 70.2#

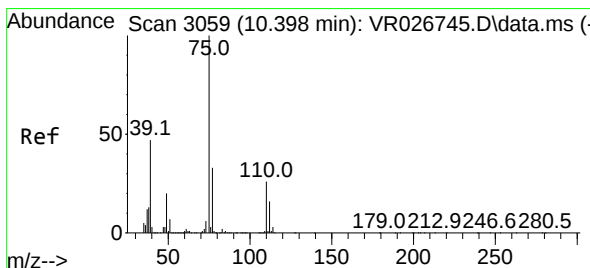
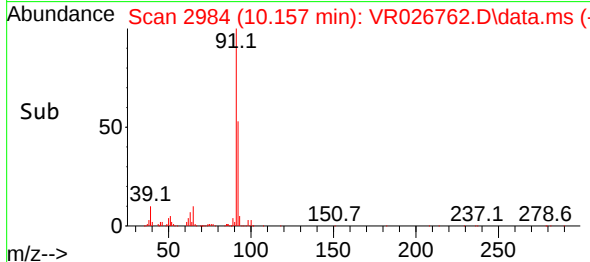
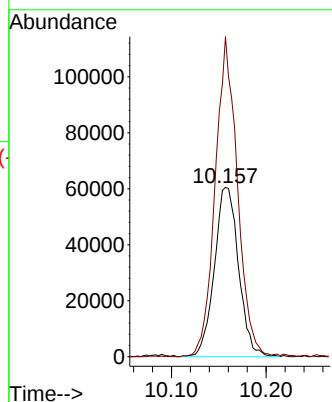
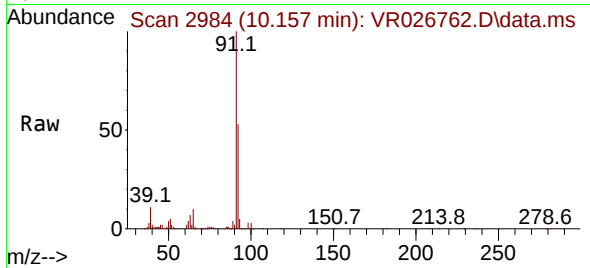




#51
Toluene
Concen: 2.489 ug/l
RT: 10.157 min Scan# 2984
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

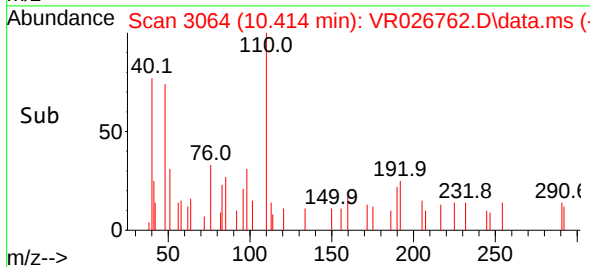
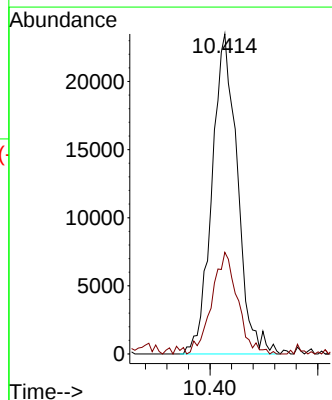
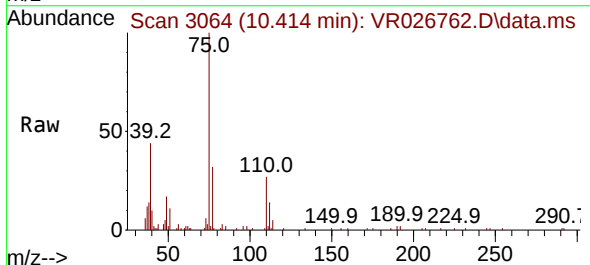
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

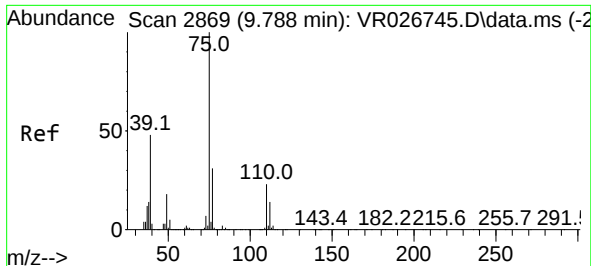
Tgt Ion: 92 Resp: 107184
Ion Ratio Lower Upper
92 100
91 174.0 120.1 180.1



#52
t-1,3-Dichloropropene
Concen: 1.901 ug/l
RT: 10.414 min Scan# 3064
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 75 Resp: 38428
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4

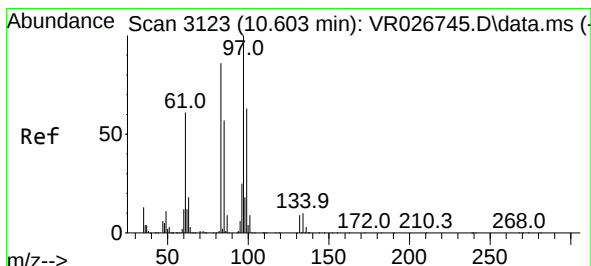
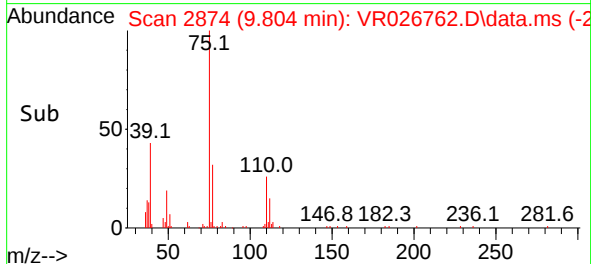
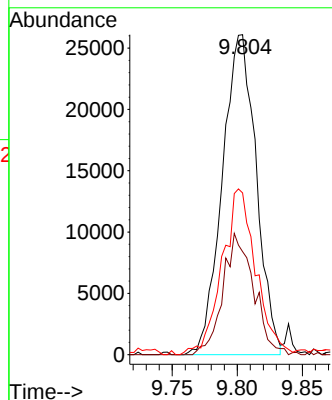
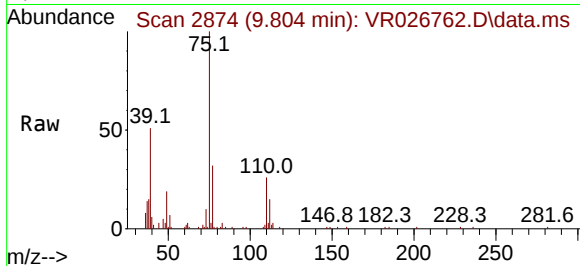




#53
 cis-1,3-Dichloropropene
 Concen: 1.928 ug/l
 RT: 9.804 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

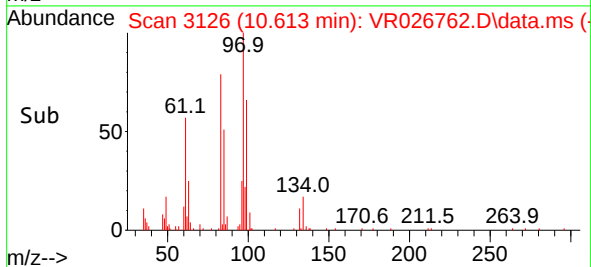
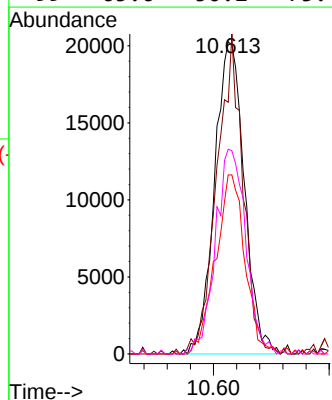
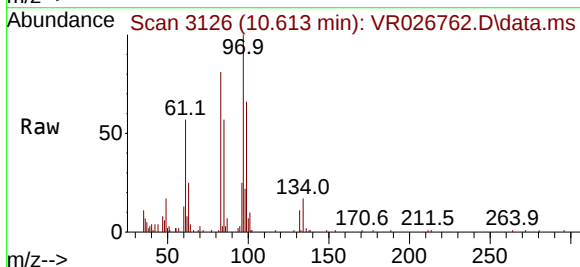
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025

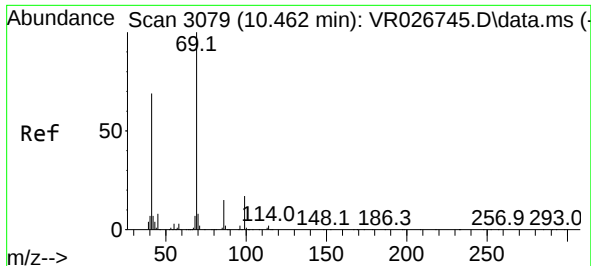
Tgt Ion: 75	Resp: 47300
Ion Ratio	Lower Upper
75 100	
77 32.2	25.1 37.7
39 50.6	38.5 57.7



#54
 1,1,2-Trichloroethane
 Concen: 2.364 ug/l
 RT: 10.613 min Scan# 3126
 Delta R.T. 0.010 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Tgt Ion: 97	Resp: 36138
Ion Ratio	Lower Upper
97 100	
83 80.7	68.9 103.3
85 57.4	45.3 67.9
99 65.6	50.2 75.4

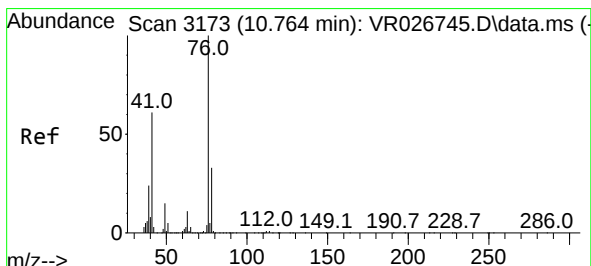
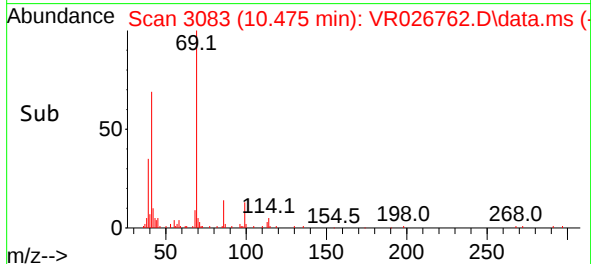
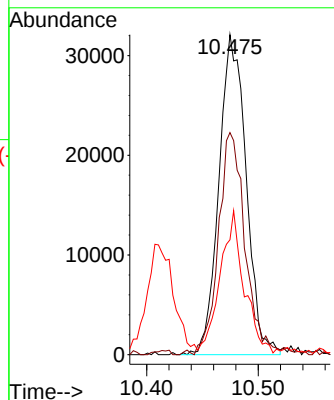
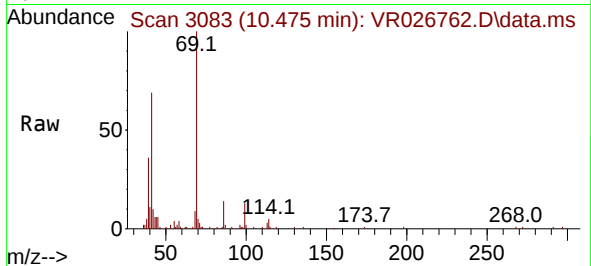




#55
Ethyl methacrylate
Concen: 2.065 ug/l
RT: 10.475 min Scan# 3079
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

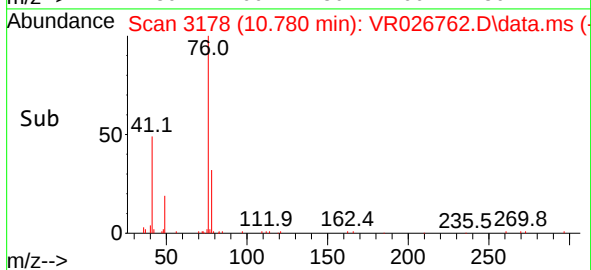
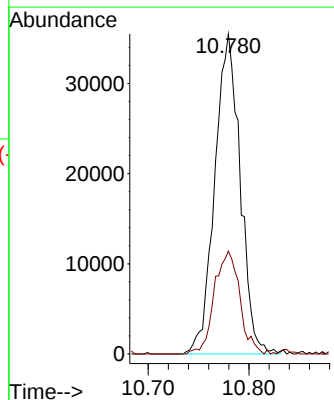
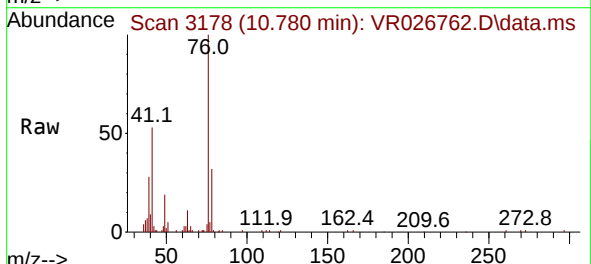
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

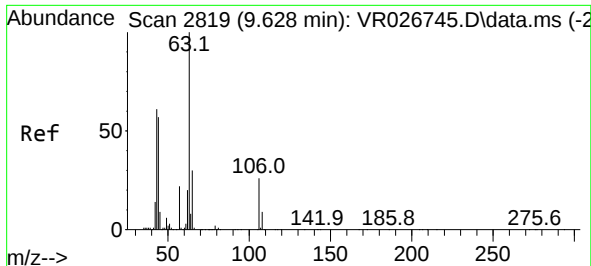
Tgt Ion:	69	Resp:	54283
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.6	83.4
39	38.1	29.2	43.8



#56
1,3-Dichloropropane
Concen: 2.419 ug/l
RT: 10.780 min Scan# 3178
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:	76	Resp:	62314
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9





#57

2-Chloroethyl Vinyl ether

Concen: 4.851 ug/l

RT: 9.644 min Scan# 21

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

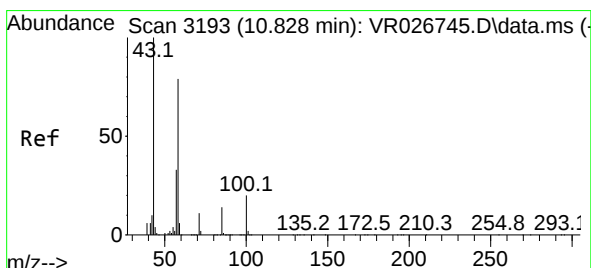
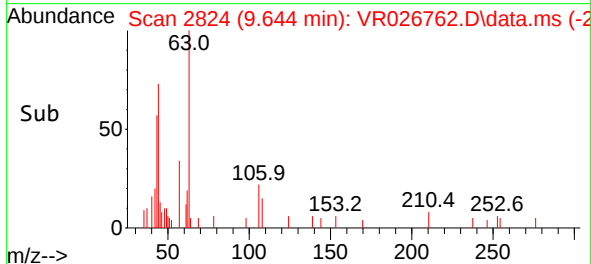
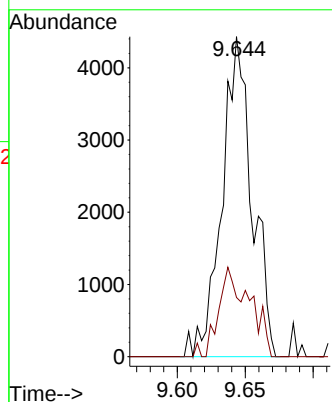
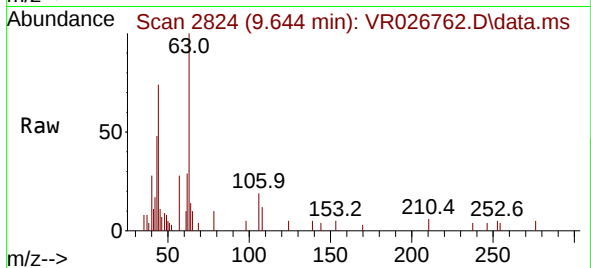
MDL-WATER-03-QT3-2025

Tgt Ion: 63 Resp: 6834

Ion Ratio Lower Upper

63 100

106 17.6 21.5 32.3#



#58

2-Hexanone

Concen: 11.532 ug/l

RT: 10.837 min Scan# 3196

Delta R.T. 0.009 min

Lab File: VR026762.D

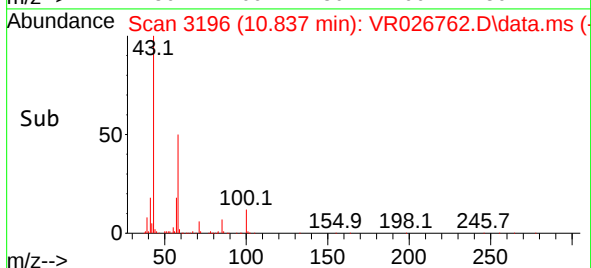
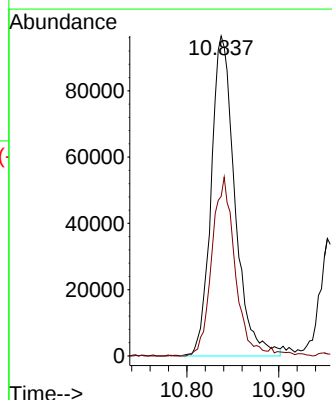
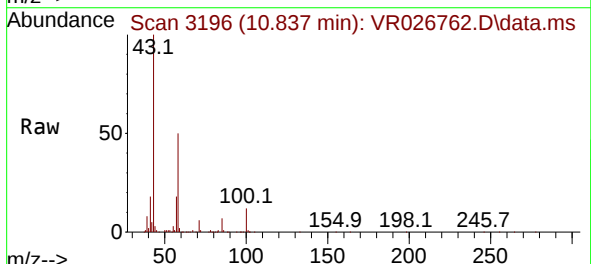
Acq: 25 Aug 2025 15:46

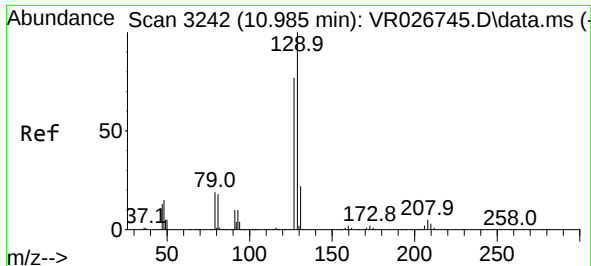
Tgt Ion: 43 Resp: 173613

Ion Ratio Lower Upper

43 100

58 53.9 34.0 102.0

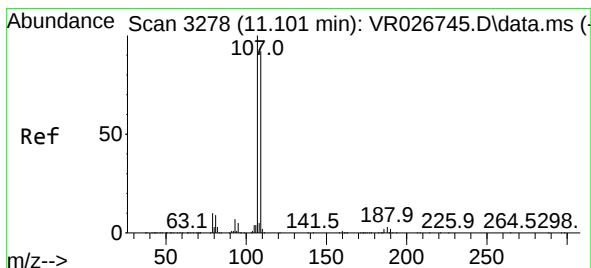
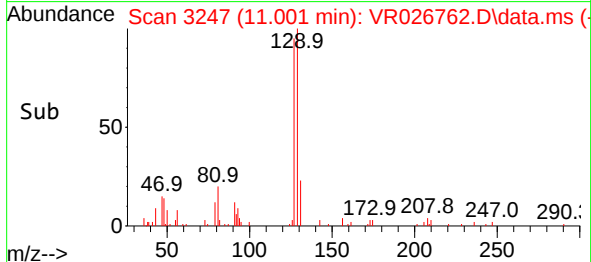
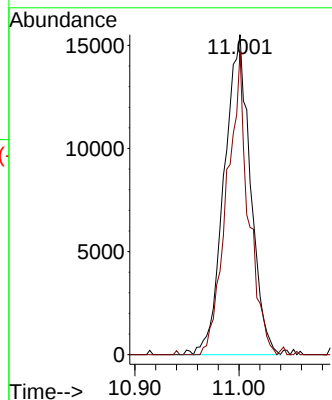
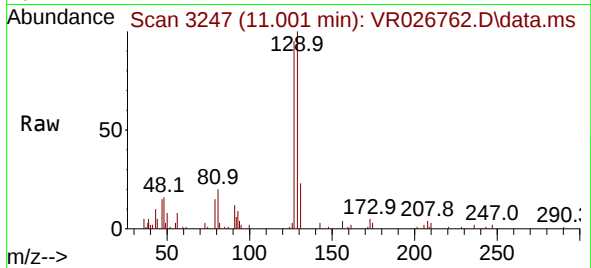




#59
Dibromochloromethane
Concen: 1.897 ug/l
RT: 11.001 min Scan# 31
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

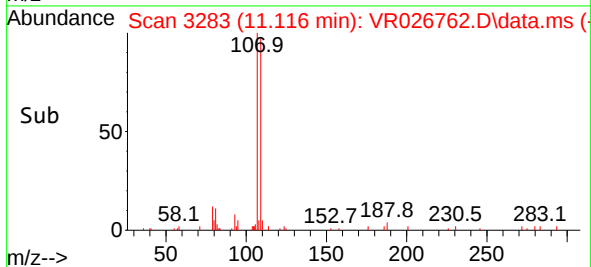
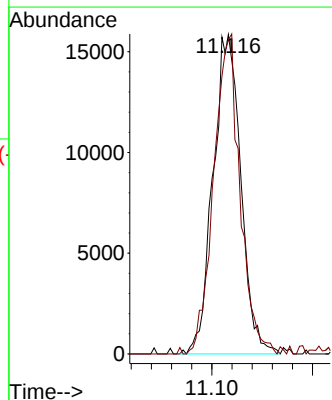
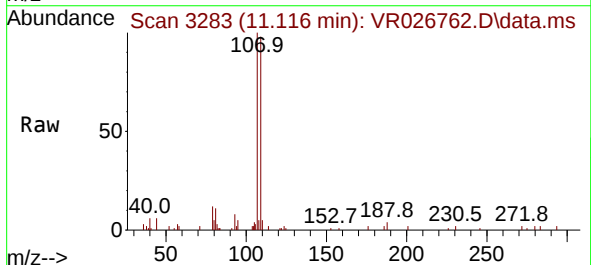
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

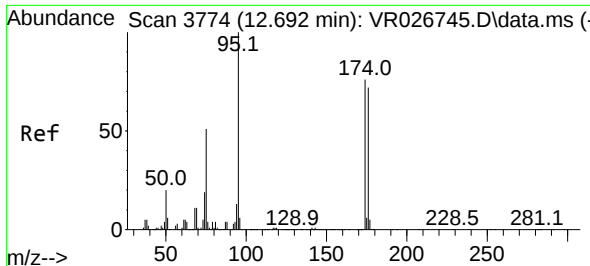
Tgt Ion:129 Resp: 27270
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7



#60
1,2-Dibromoethane
Concen: 2.198 ug/l
RT: 11.116 min Scan# 3283
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:107 Resp: 30364
Ion Ratio Lower Upper
107 100
109 94.7 74.3 111.5

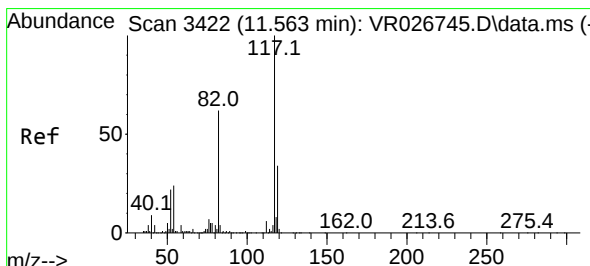
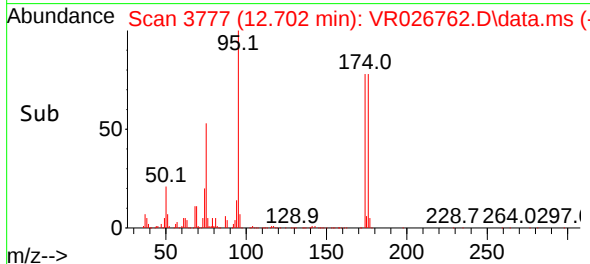
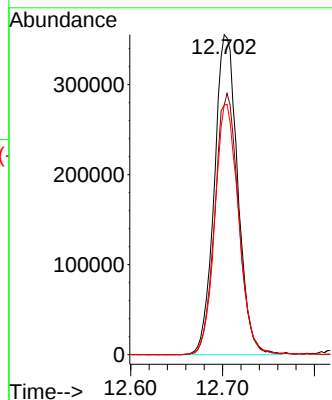
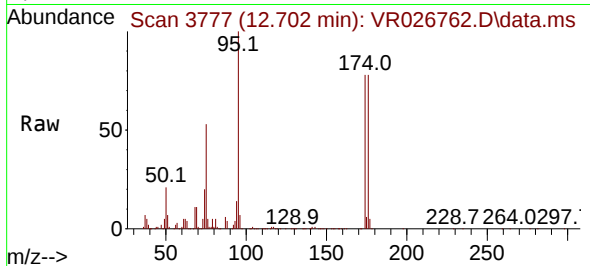




#61
4-Bromofluorobenzene
Concen: 41.874 ug/l
RT: 12.702 min Scan# 31
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

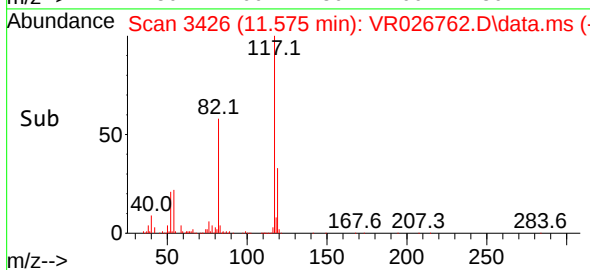
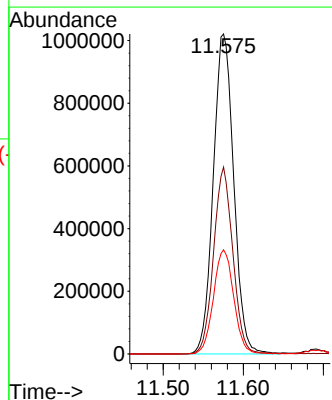
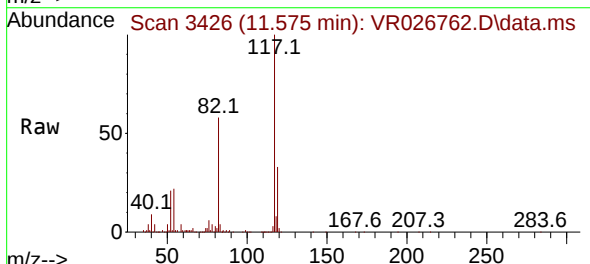
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

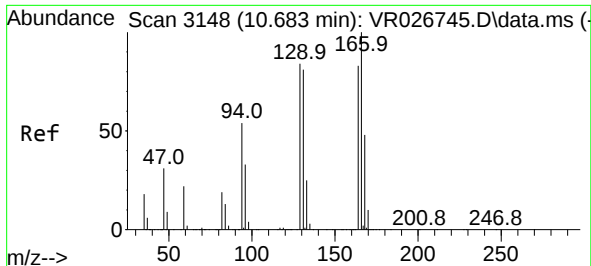
Tgt Ion: 95 Resp: 628279
Ion Ratio Lower Upper
95 100
174 82.8 0.0 156.6
176 79.5 0.0 150.2



#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 3426
Delta R.T. 0.012 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 117 Resp: 1810406
Ion Ratio Lower Upper
117 100
82 58.4 49.9 74.9
119 32.5 27.4 41.2

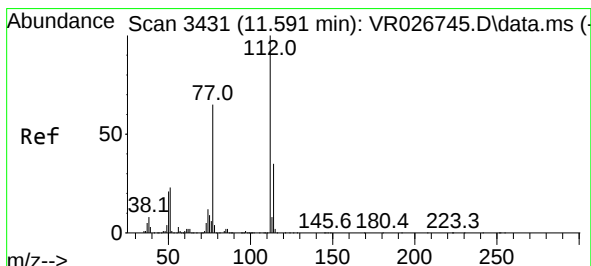
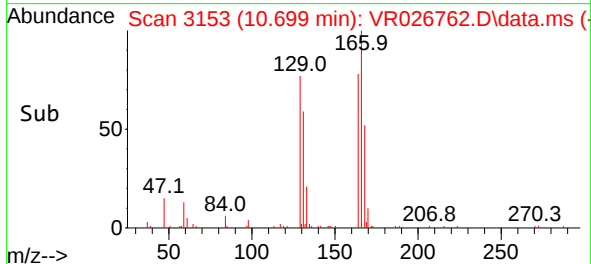
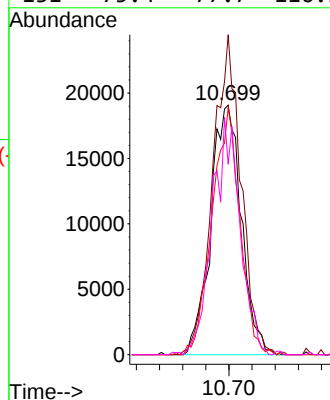
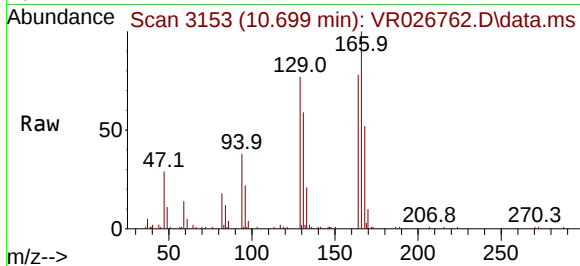




#63
Tetrachloroethene
Concen: 2.745 ug/l
RT: 10.699 min Scan# 3148
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

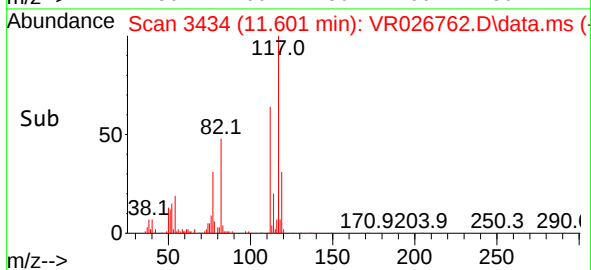
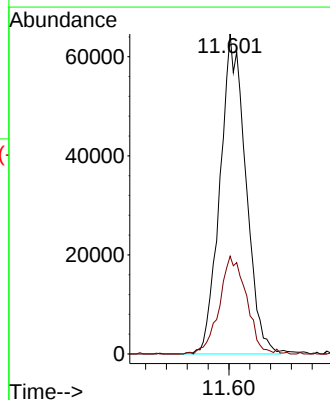
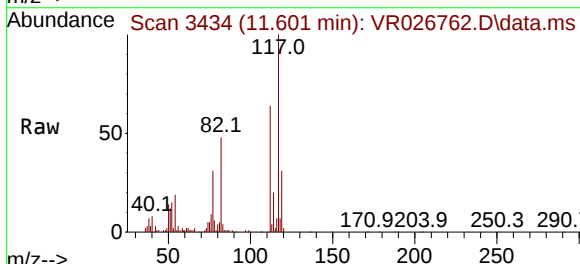
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

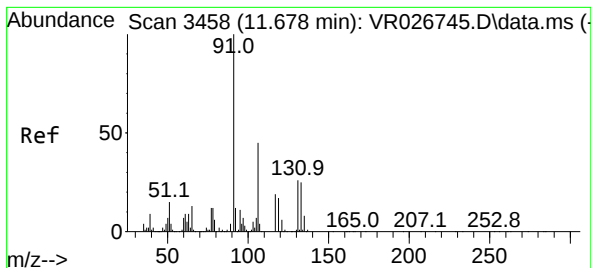
Tgt Ion:164	Resp:	34921
Ion Ratio	Lower	Upper
164	100	
166	128.3	95.9 143.9
129	99.0	80.2 120.2
131	75.4	77.7 116.5#



#64
Chlorobenzene
Concen: 2.754 ug/l
RT: 11.601 min Scan# 3434
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:112	Resp:	110945
Ion Ratio	Lower	Upper
112	100	
114	30.6	28.0 42.0





#65

1,1,1,2-Tetrachloroethane

Concen: 2.128 ug/l

RT: 11.691 min Scan# 3458

Delta R.T. 0.013 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

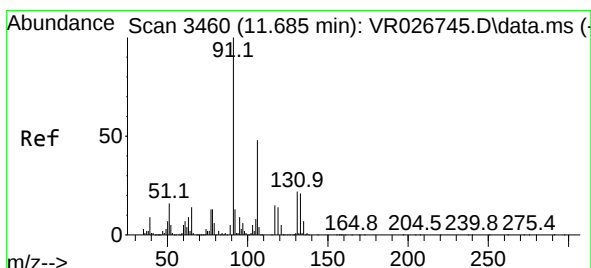
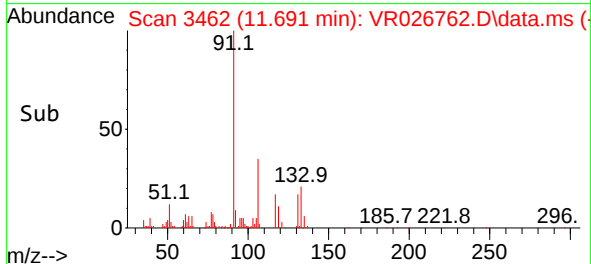
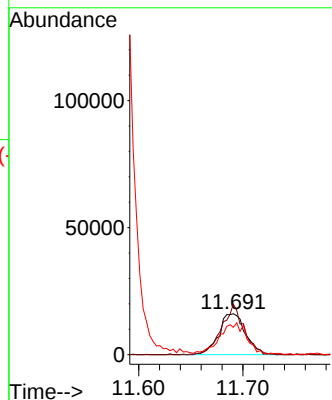
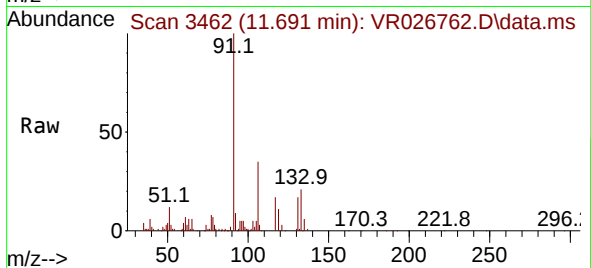
Tgt Ion:131 Resp: 28785

Ion Ratio Lower Upper

131 100

133 102.8 47.3 141.8

119 74.3 33.9 101.7



#66

Ethyl Benzene

Concen: 2.660 ug/l

RT: 11.697 min Scan# 3464

Delta R.T. 0.013 min

Lab File: VR026762.D

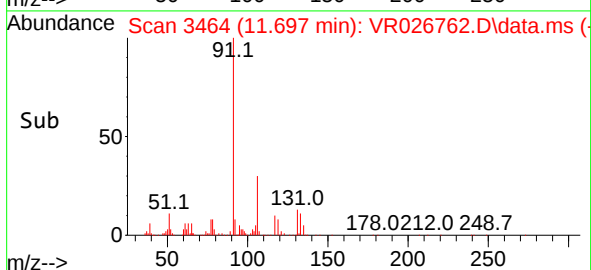
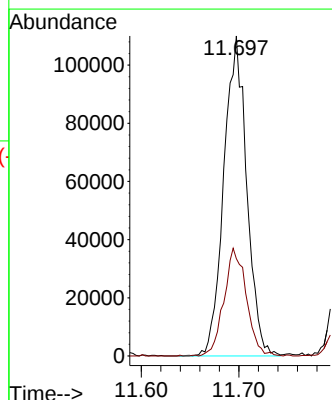
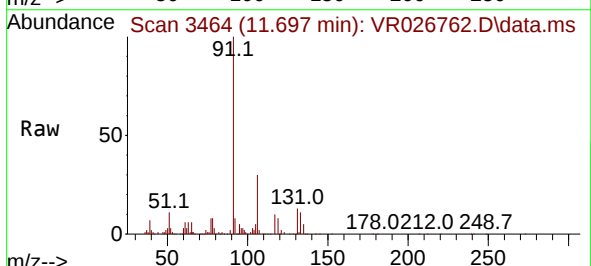
Acq: 25 Aug 2025 15:46

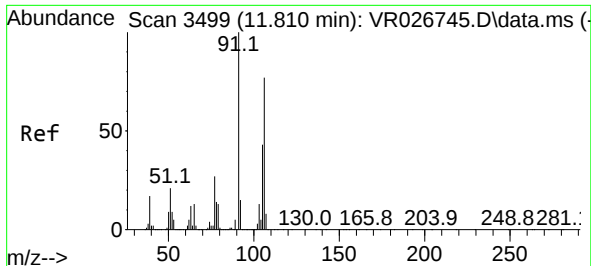
Tgt Ion: 91 Resp: 179172

Ion Ratio Lower Upper

91 100

106 30.3 38.7 58.1#

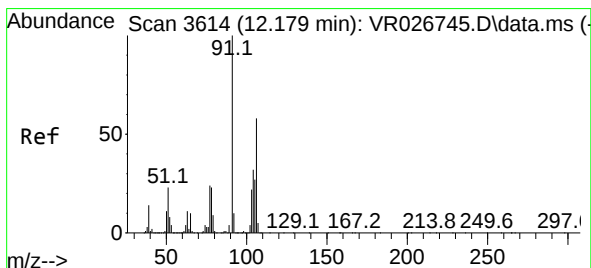
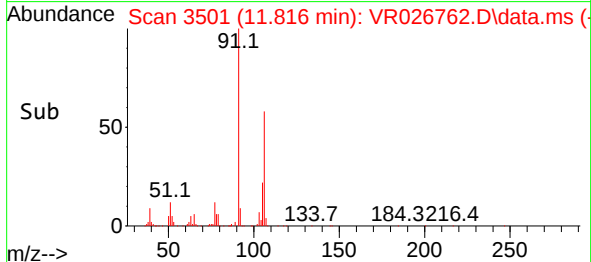
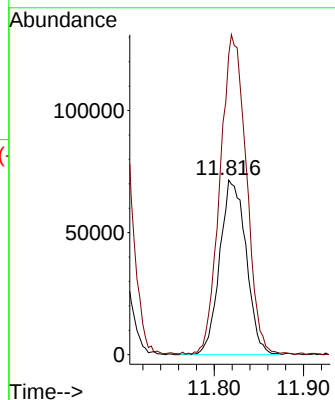
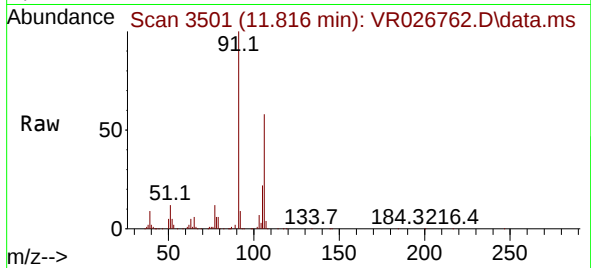




#67
m/p-Xylenes
Concen: 5.199 ug/l
RT: 11.816 min Scan# 3499
Delta R.T. 0.006 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

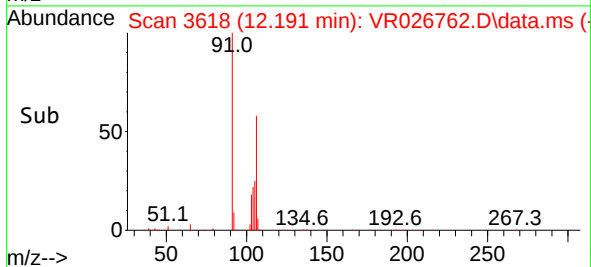
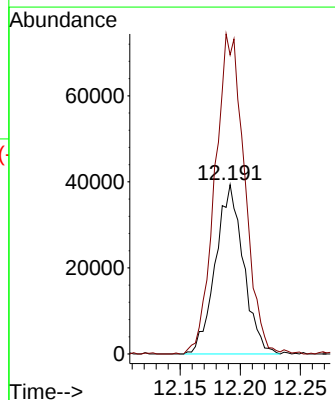
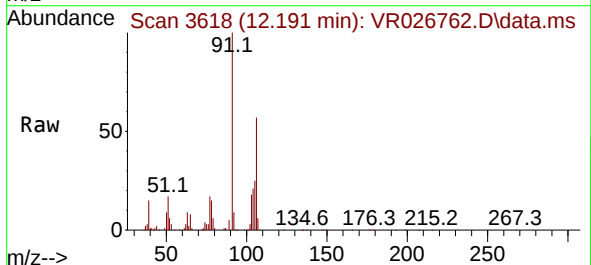
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

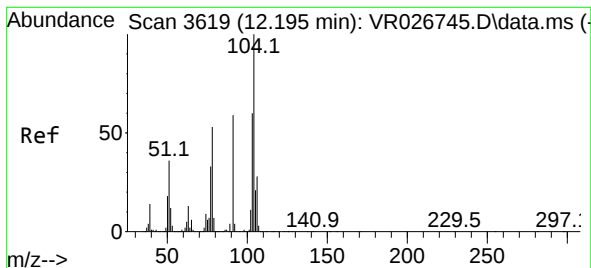
Tgt Ion:106 Resp: 146548
Ion Ratio Lower Upper
106 100
91 182.9 121.6 182.4#



#68
o-Xylene
Concen: 2.225 ug/l
RT: 12.191 min Scan# 3618
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:106 Resp: 63547
Ion Ratio Lower Upper
106 100
91 200.2 93.7 281.1





#69

Styrene

Concen: 2.168 ug/l

RT: 12.211 min Scan# 3624

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

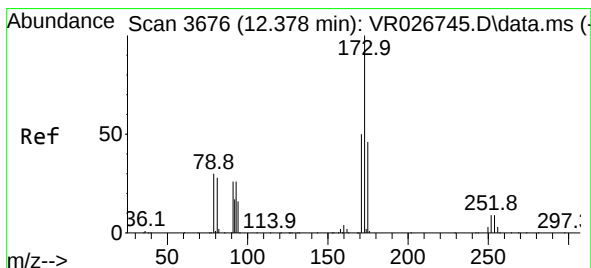
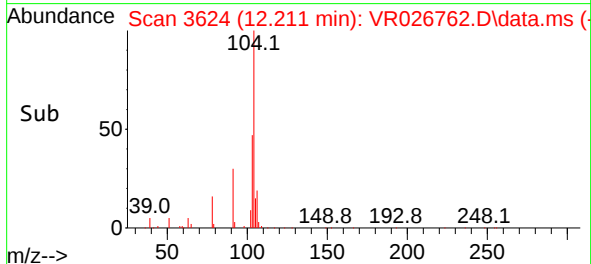
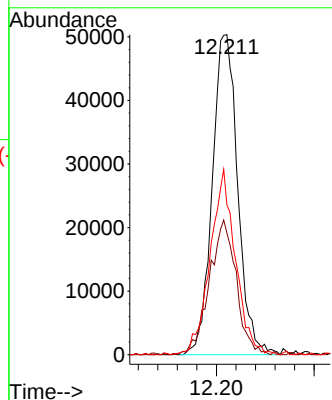
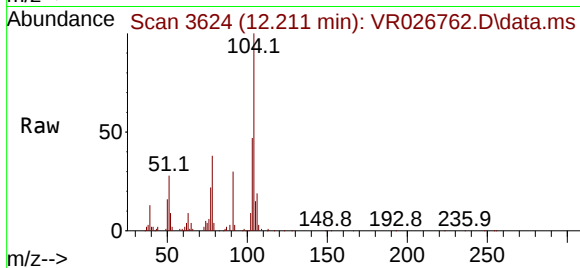
Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

Tgt Ion:	104	Resp:	91115
Ion Ratio	Lower	Upper	
104	100		
78	44.5	42.5	63.7
103	57.5	47.5	71.3



#70

Bromoform

Concen: 1.857 ug/l

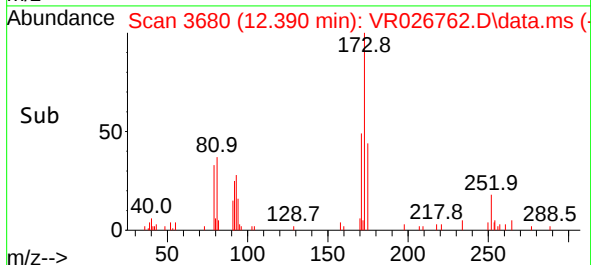
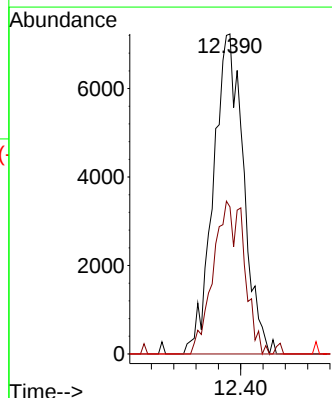
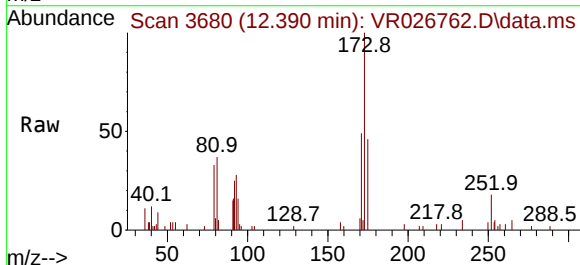
RT: 12.390 min Scan# 3680

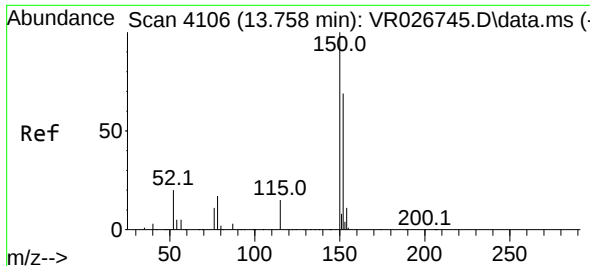
Delta R.T. 0.013 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Tgt Ion:	173	Resp:	13544
Ion Ratio	Lower	Upper	
173	100		
175	32.2	23.8	71.4
254	0.0	0.0	0.0

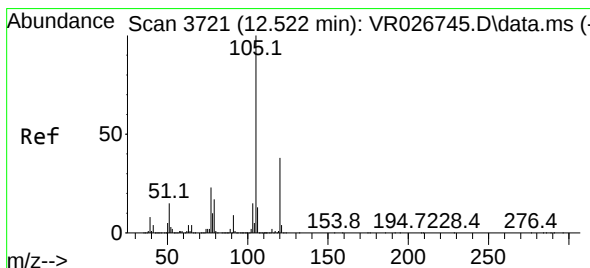
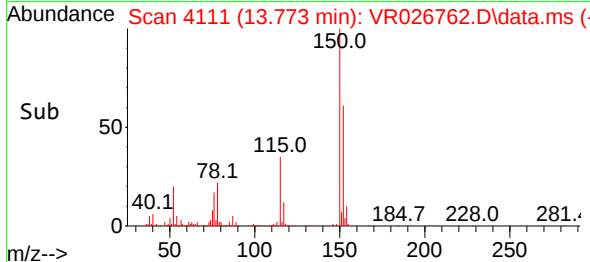
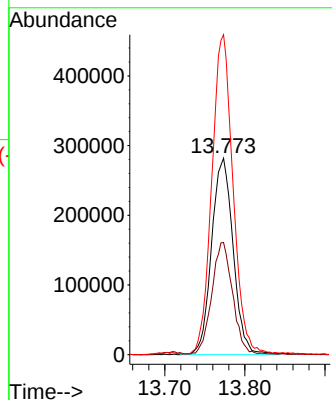
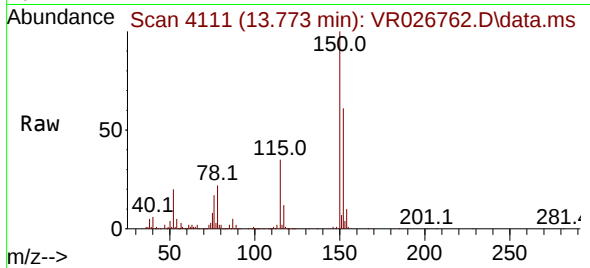




#71
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.773 min Scan# 4111
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

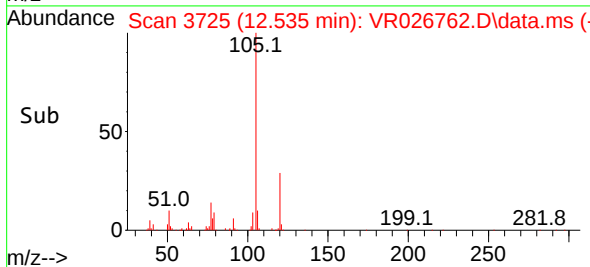
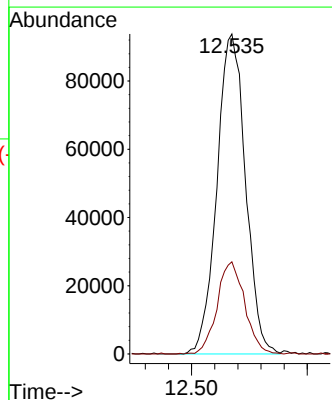
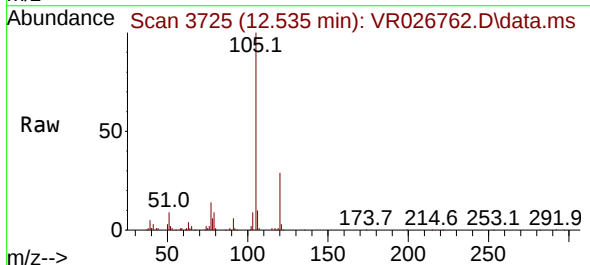
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

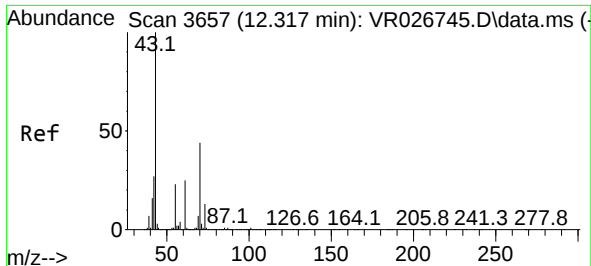
Tgt Ion:152 Resp: 527763
Ion Ratio Lower Upper
152 100
115 54.9 28.5 85.5
150 159.5 0.0 352.0



#72
Isopropylbenzene
Concen: 2.804 ug/l
RT: 12.535 min Scan# 3725
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:105 Resp: 160649
Ion Ratio Lower Upper
105 100
120 27.7 16.4 49.2

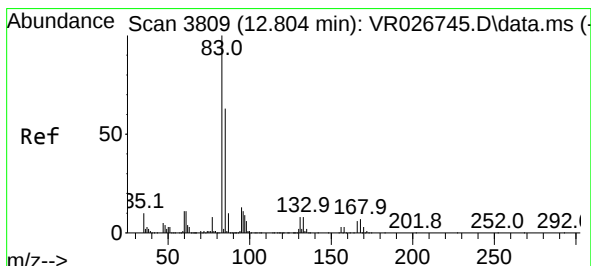
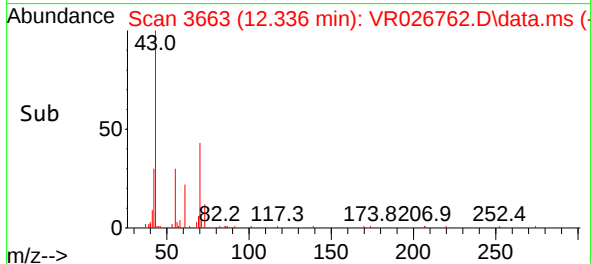
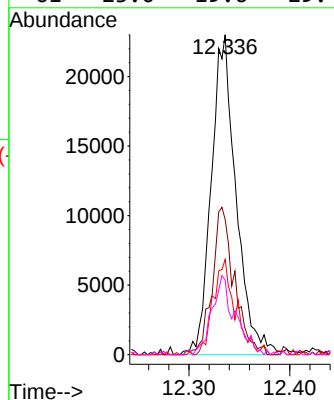
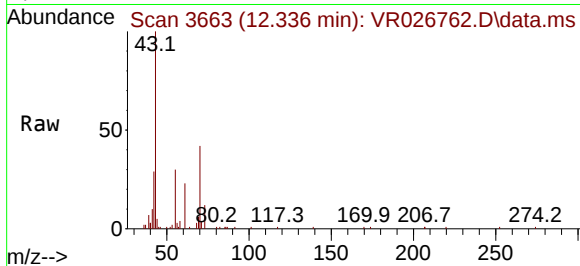




#73
N-ethyl acetate
Concen: 1.902 ug/l
RT: 12.336 min Scan# 3013
Delta R.T. 0.019 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

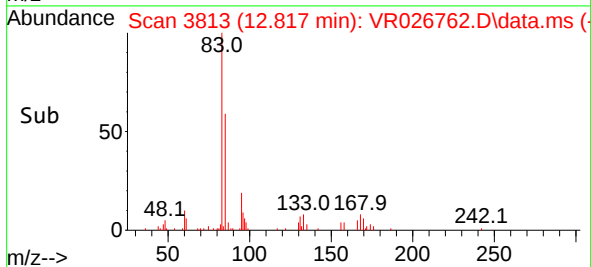
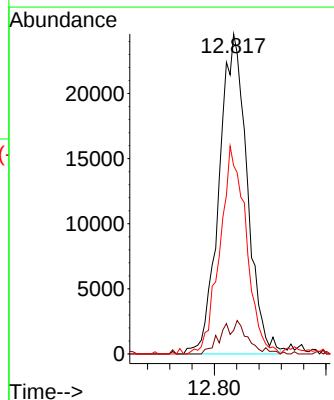
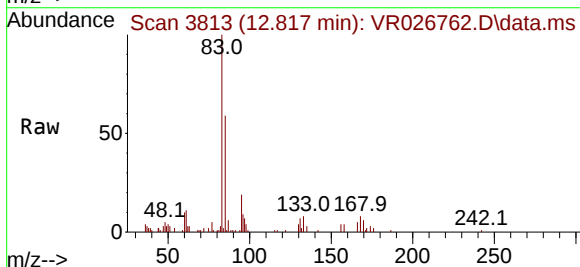
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

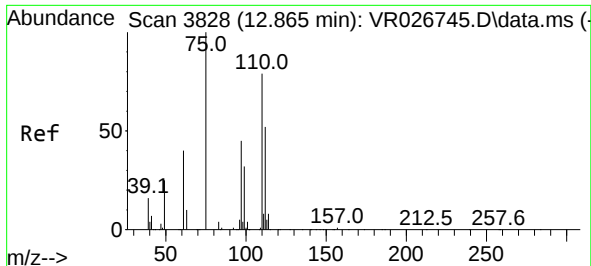
Tgt Ion: 43	Resp: 39348
Ion Ratio	Lower Upper
43 100	
70 41.3	34.1 51.1
55 26.1	18.1 27.1
61 23.0	19.6 29.4



#74
1,1,2,2-Tetrachloroethane
Concen: 2.616 ug/l
RT: 12.817 min Scan# 3813
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 83	Resp: 42905
Ion Ratio	Lower Upper
83 100	
131 4.5	4.6 13.8#
85 60.8	31.7 95.1

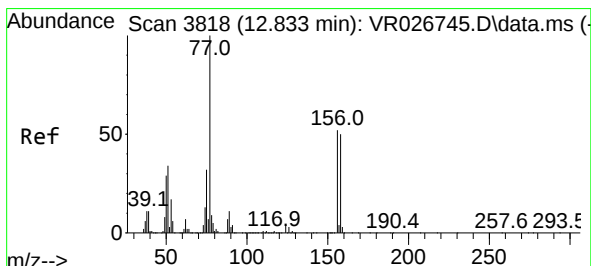
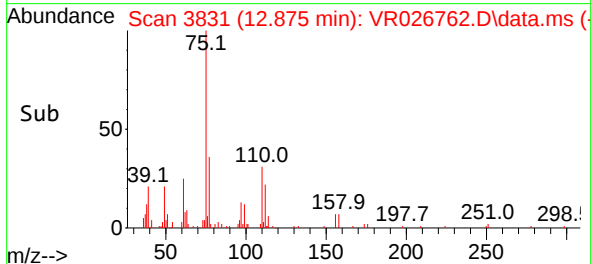
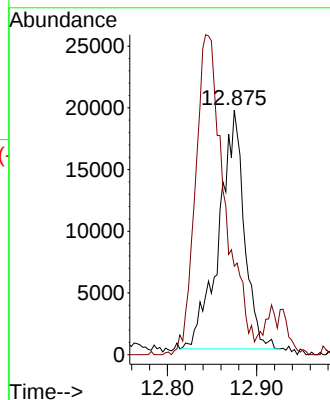
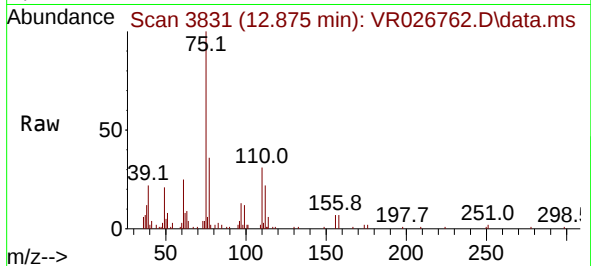




#75
1,2,3-Trichloropropane
Concen: 2.941 ug/l
RT: 12.875 min Scan# 3831
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

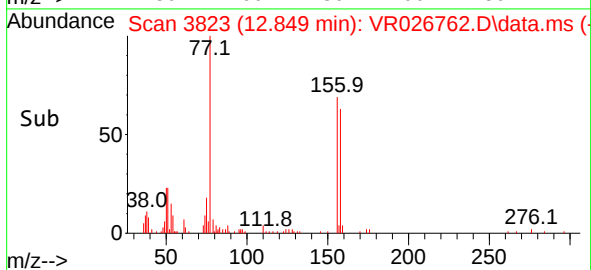
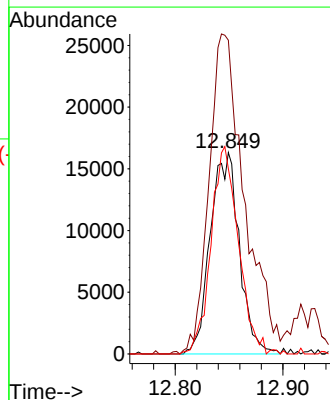
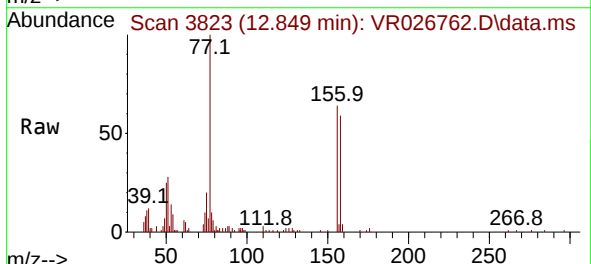
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

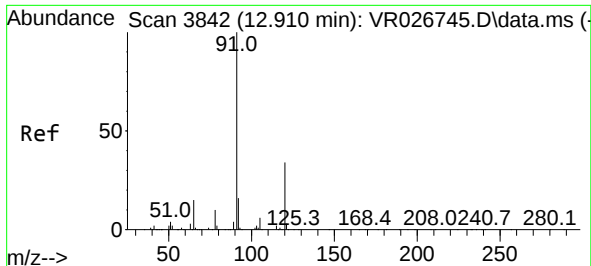
Tgt Ion: 75 Resp: 38259
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#76
Bromobenzene
Concen: 2.432 ug/l
RT: 12.849 min Scan# 3823
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:156 Resp: 30501
Ion Ratio Lower Upper
156 100
77 193.8 109.8 329.4
158 97.3 47.5 142.6

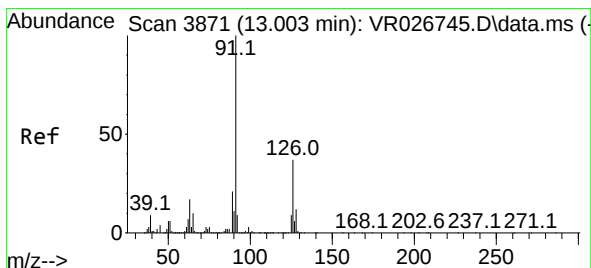
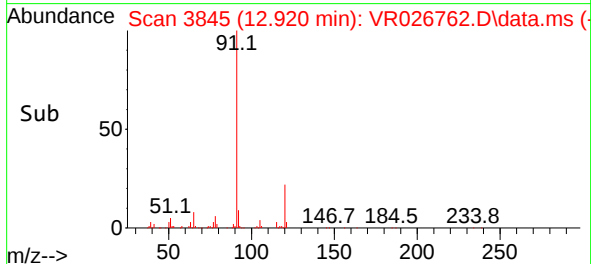
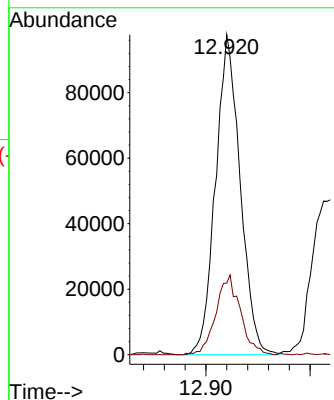
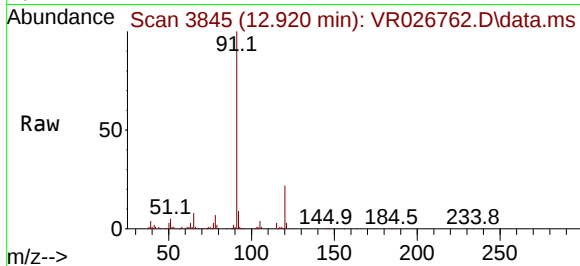




#77
n-propylbenzene
Concen: 2.610 ug/l
RT: 12.920 min Scan# 3845
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

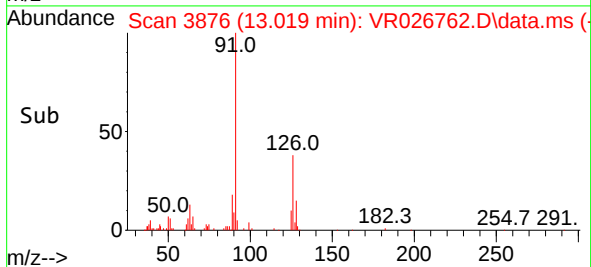
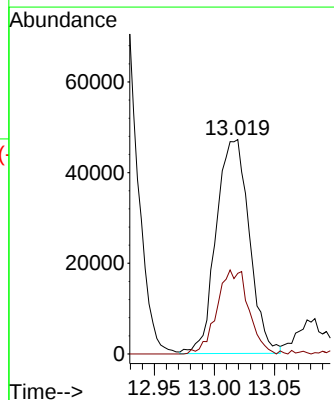
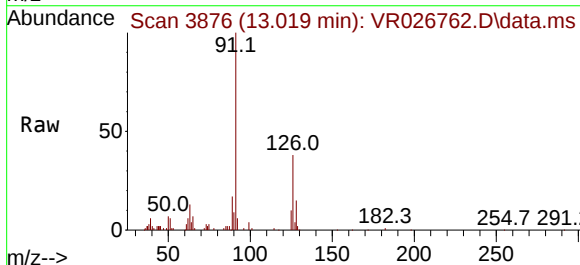
Instrument : MSVOA_R
ClientSampleId : MDL-WATER-03-QT3-2025

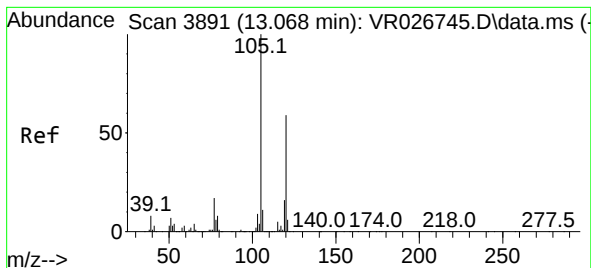
Tgt Ion: 91 Resp: 160321
Ion Ratio Lower Upper
91 100
120 24.6 14.2 42.8



#78
2-Chlorotoluene
Concen: 2.500 ug/l
RT: 13.019 min Scan# 3876
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 91 Resp: 90667
Ion Ratio Lower Upper
91 100
126 37.4 18.0 54.0





#79

1,3,5-Trimethylbenzene

Concen: 2.425 ug/l

RT: 13.080 min Scan# 3891

Delta R.T. 0.012 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

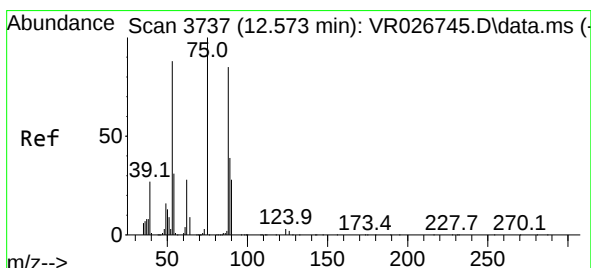
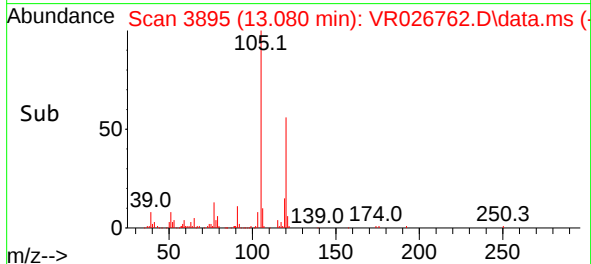
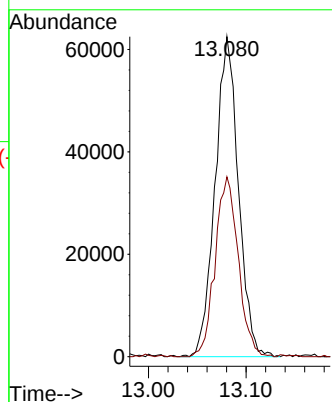
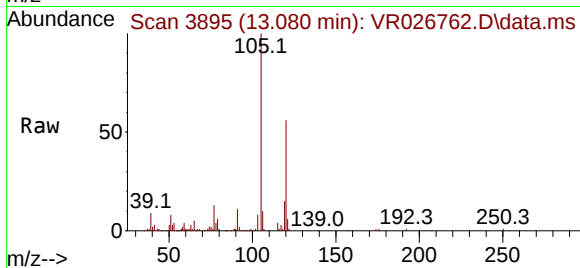
MDL-WATER-03-QT3-2025

Tgt Ion:105 Resp: 103753

Ion Ratio Lower Upper

105 100

120 55.7 27.8 83.4



#80

trans-1,4-Dichloro-2-butene

Concen: 75.538 ug/l

RT: 12.702 min Scan# 3777

Delta R.T. 0.129 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

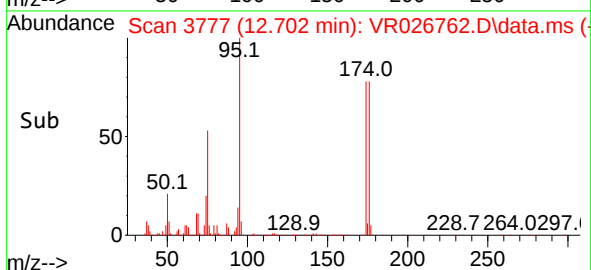
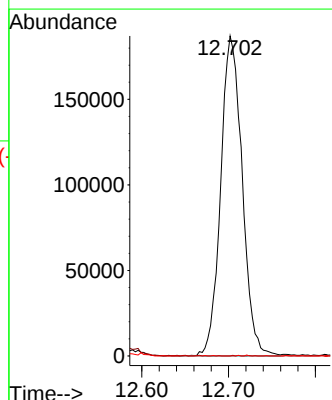
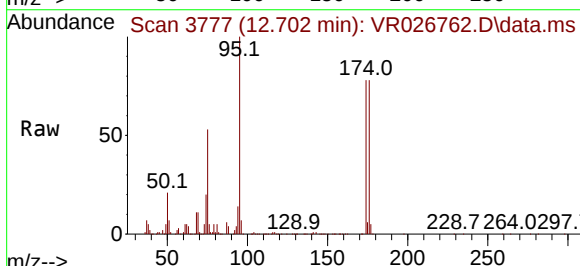
Tgt Ion: 75 Resp: 322085

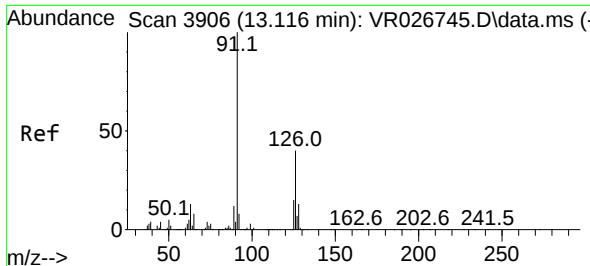
Ion Ratio Lower Upper

75 100

53 0.0 70.9 106.3#

89 0.0 33.4 50.0#

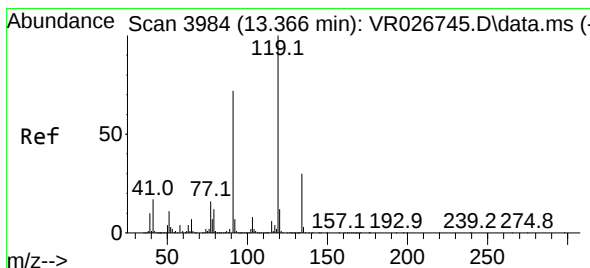
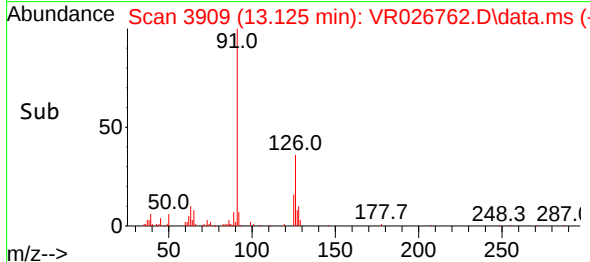
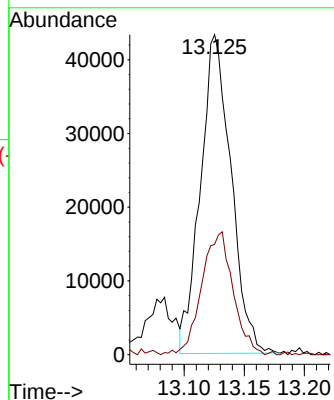
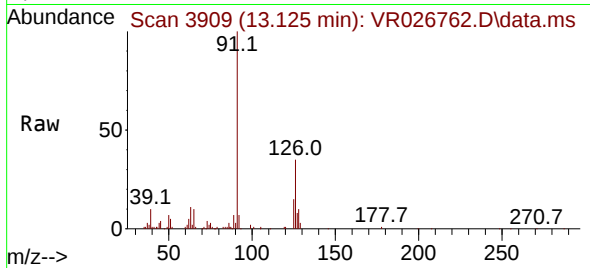




#81
4-Chlorotoluene
Concen: 2.303 ug/l
RT: 13.125 min Scan# 3906
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

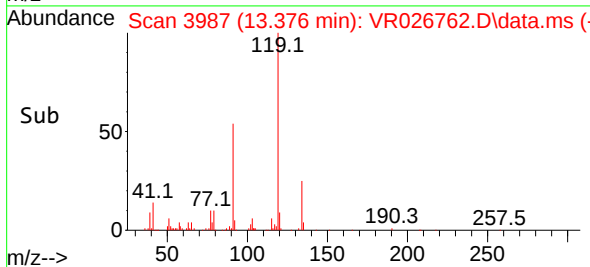
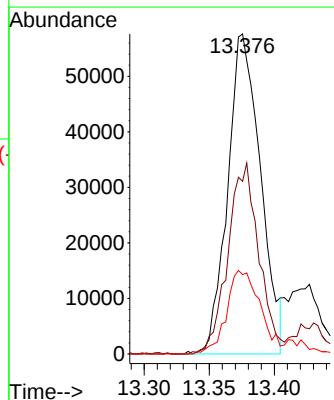
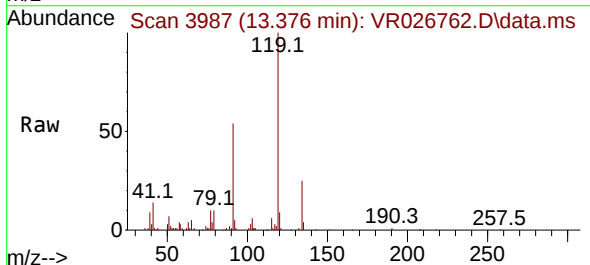
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

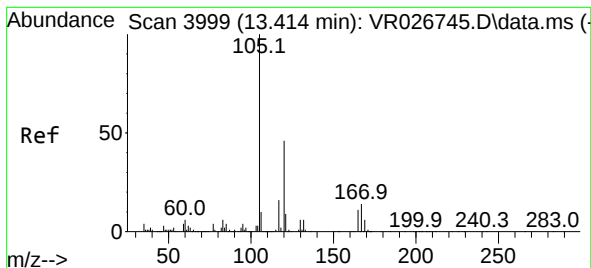
Tgt Ion: 91 Resp: 76540
Ion Ratio Lower Upper
91 100
126 39.6 18.2 54.6



#82
tert-Butylbenzene
Concen: 2.528 ug/l
RT: 13.376 min Scan# 3987
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion: 119 Resp: 101092
Ion Ratio Lower Upper
119 100
91 56.4 33.5 100.5
134 26.8 14.9 44.9





#83

1,2,4-Trimethylbenzene

Concen: 2.205 ug/l

RT: 13.427 min Scan# 4003

Delta R.T. 0.013 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

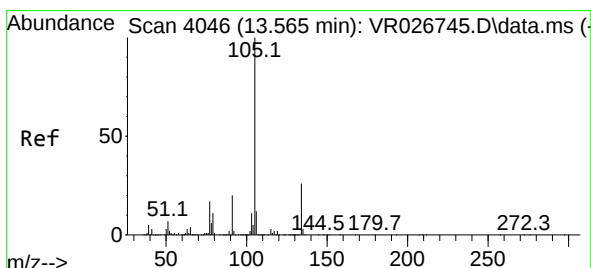
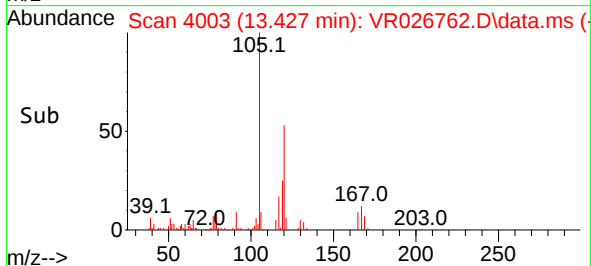
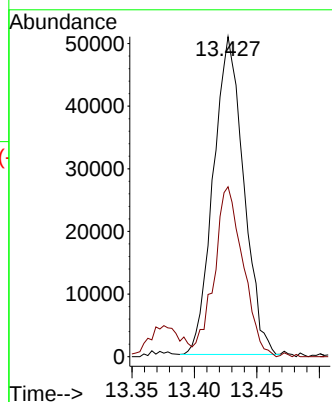
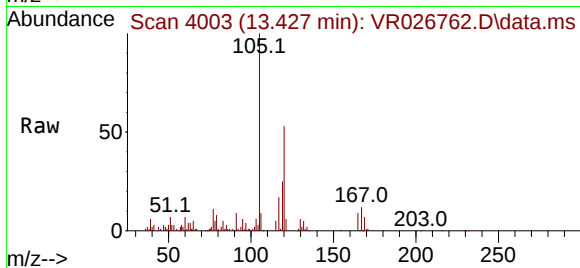
MDL-WATER-03-QT3-2025

Tgt Ion:105 Resp: 86016

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.9



#84

sec-Butylbenzene

Concen: 2.487 ug/l

RT: 13.575 min Scan# 4049

Delta R.T. 0.010 min

Lab File: VR026762.D

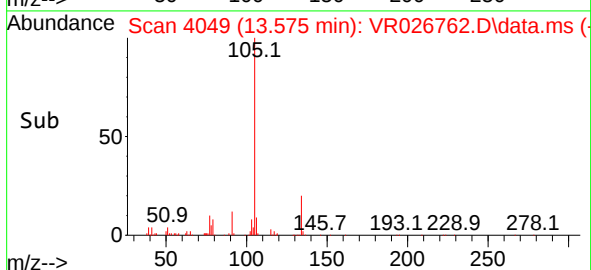
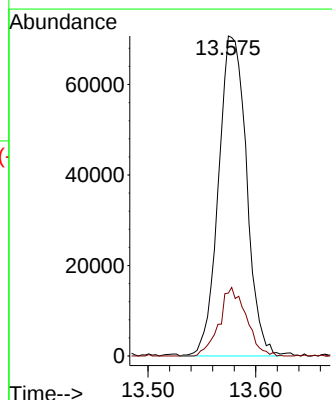
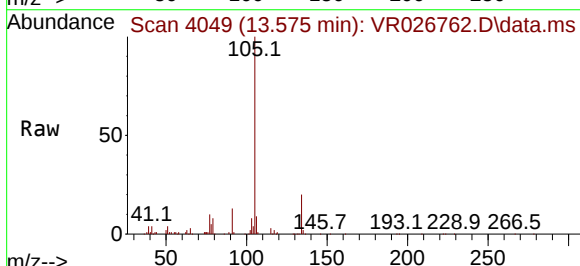
Acq: 25 Aug 2025 15:46

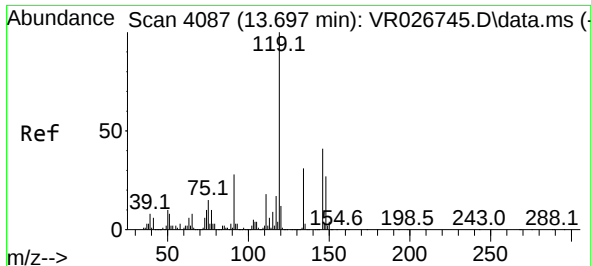
Tgt Ion:105 Resp: 127932

Ion Ratio Lower Upper

105 100

134 20.6 11.6 34.7

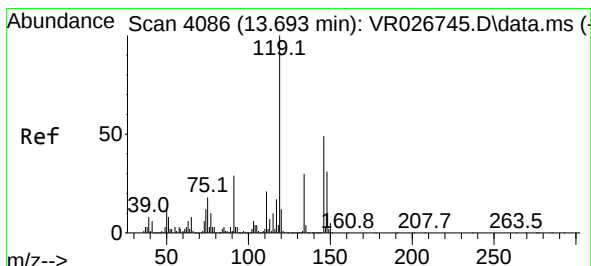
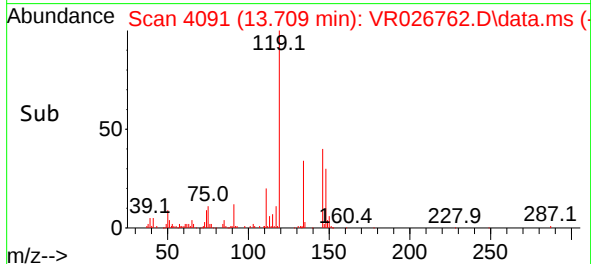
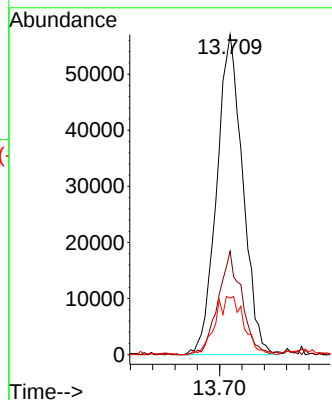
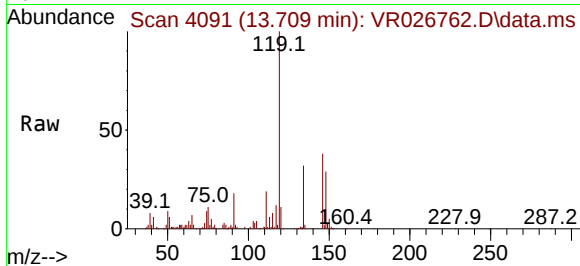




#85
 p-Isopropyltoluene
 Concen: 2.310 ug/l
 RT: 13.709 min Scan# 4091
 Delta R.T. 0.013 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

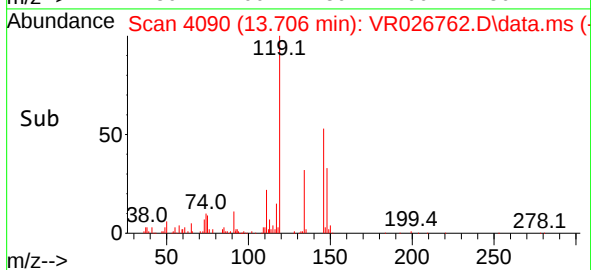
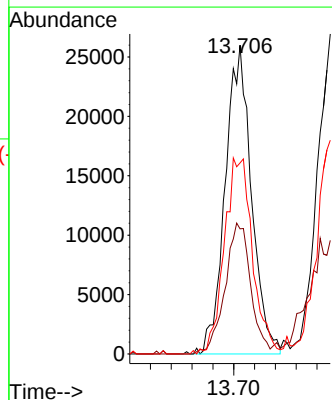
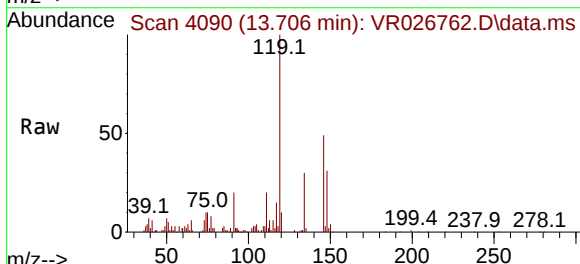
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025

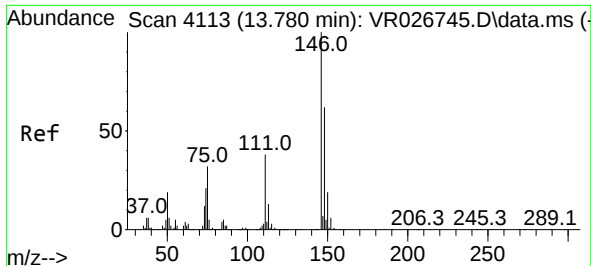
Tgt Ion:119 Resp: 92349
 Ion Ratio Lower Upper
 119 100
 134 29.4 14.4 43.2
 91 20.2 12.7 38.0



#86
 1,3-Dichlorobenzene
 Concen: 2.440 ug/l
 RT: 13.706 min Scan# 4090
 Delta R.T. 0.013 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Tgt Ion:146 Resp: 45446
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.7
 148 68.1 31.8 95.3





#87

1,4-Dichlorobenzene

Concen: 2.762 ug/l

RT: 13.793 min Scan# 4113

Delta R.T. 0.013 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

Instrument :

MSVOA_R

ClientSampleId :

MDL-WATER-03-QT3-2025

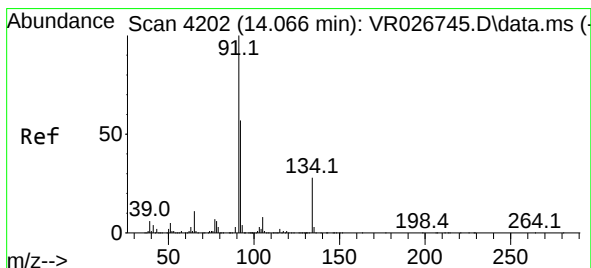
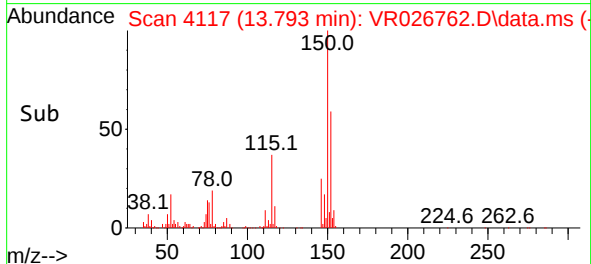
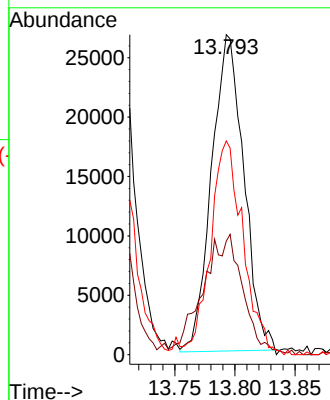
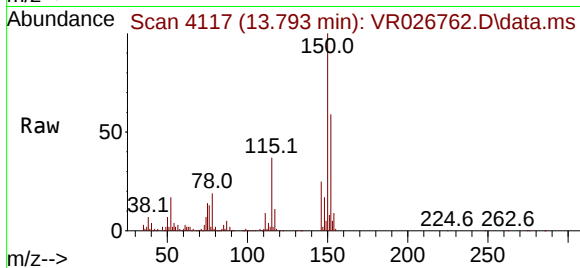
Tgt Ion:146 Resp: 49559

Ion Ratio Lower Upper

146 100

111 46.3 18.6 55.6

148 68.1 31.5 94.5



#88

n-Butylbenzene

Concen: 2.693 ug/l

RT: 14.082 min Scan# 4207

Delta R.T. 0.016 min

Lab File: VR026762.D

Acq: 25 Aug 2025 15:46

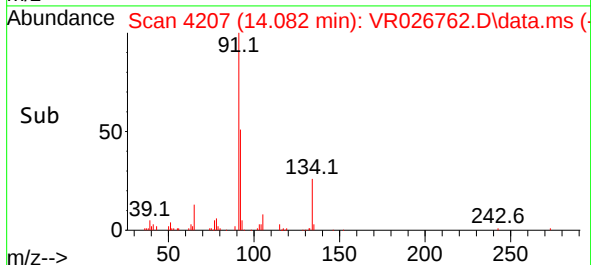
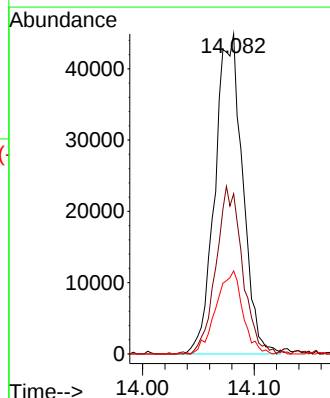
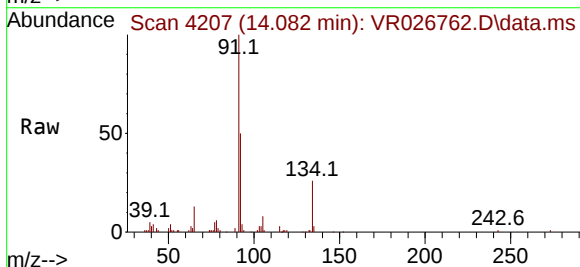
Tgt Ion: 91 Resp: 76918

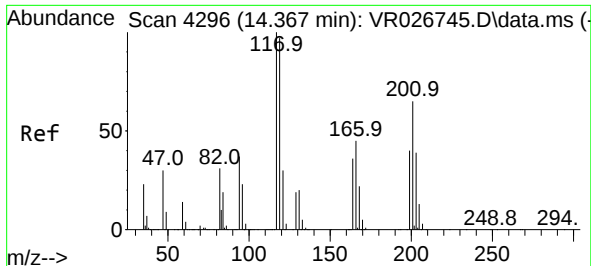
Ion Ratio Lower Upper

91 100

92 50.2 27.7 83.0

134 25.2 13.5 40.5

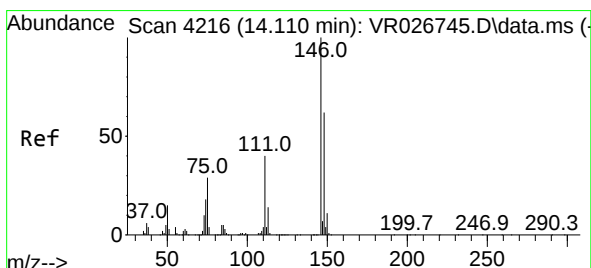
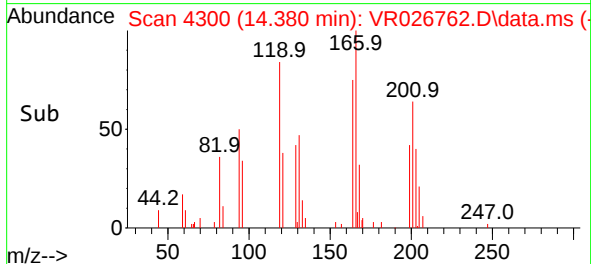
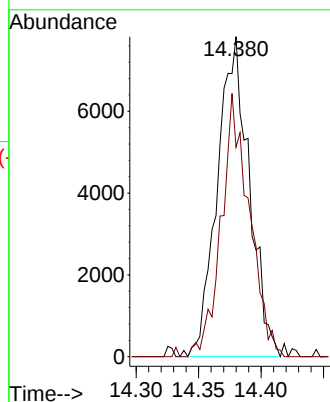
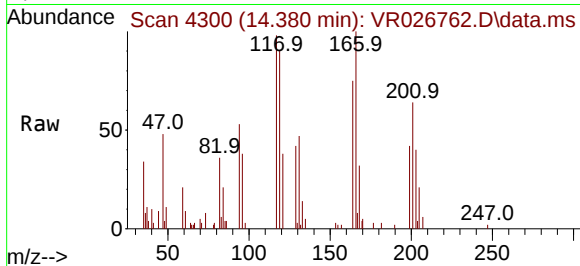




#89
Hexachloroethane
Concen: 2.141 ug/l
RT: 14.380 min Scan# 411
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

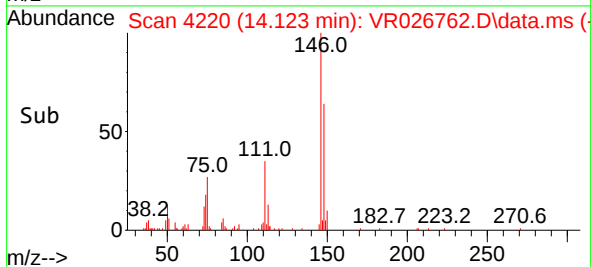
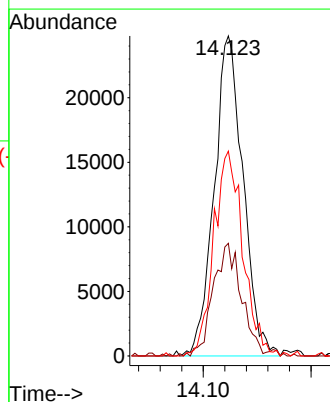
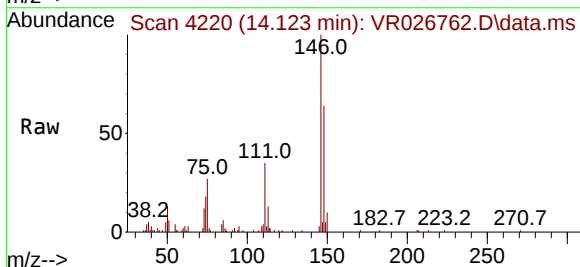
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

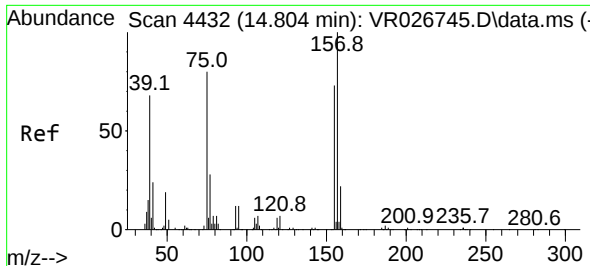
Tgt Ion:117 Resp: 13884
Ion Ratio Lower Upper
117 100
201 72.6 33.3 99.9



#90
1,2-Dichlorobenzene
Concen: 2.949 ug/l
RT: 14.123 min Scan# 4220
Delta R.T. 0.013 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

Tgt Ion:146 Resp: 46128
Ion Ratio Lower Upper
146 100
111 34.5 19.9 59.7
148 64.7 31.5 94.5

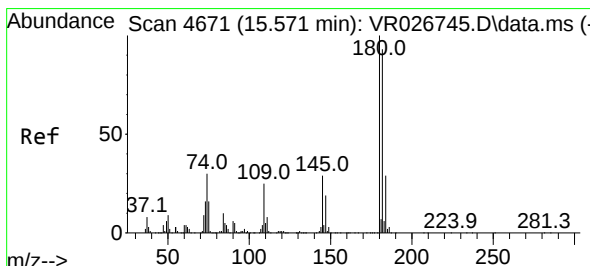
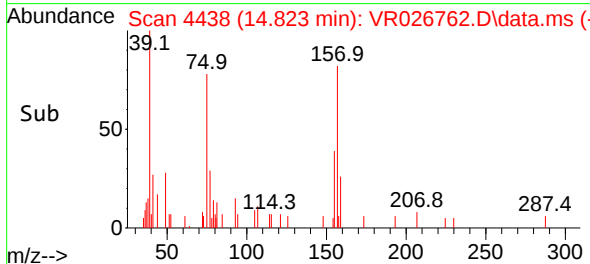
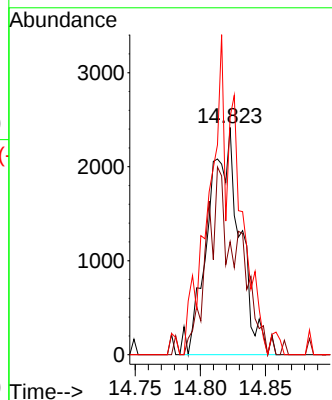
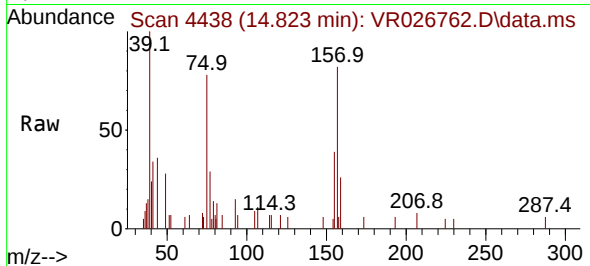




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 2.529 ug/l
 RT: 14.823 min Scan# 4438
 Delta R.T. 0.019 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

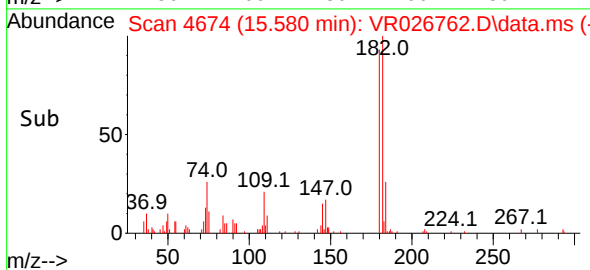
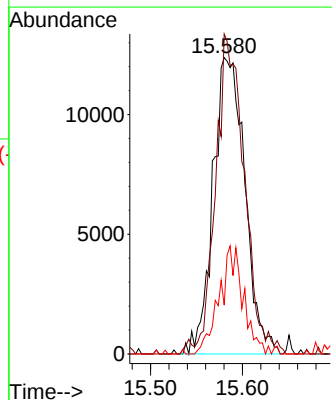
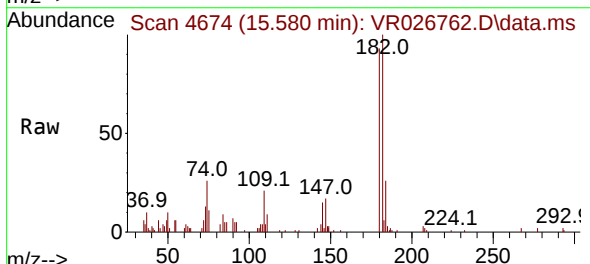
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025

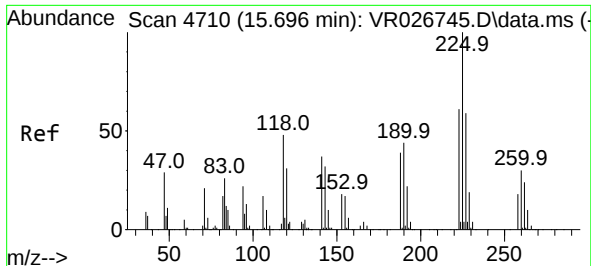
Tgt Ion: 75 Resp: 4113
 Ion Ratio Lower Upper
 75 100
 155 56.4 48.4 145.3
 157 71.0 62.3 186.8



#92
 1,2,4-Trichlorobenzene
 Concen: 2.899 ug/l
 RT: 15.580 min Scan# 4674
 Delta R.T. 0.009 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Tgt Ion: 180 Resp: 29784
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.1 141.4
 145 27.5 14.4 43.4

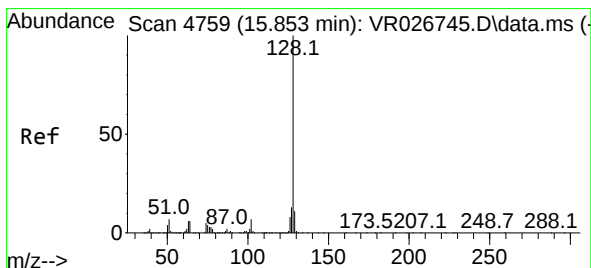
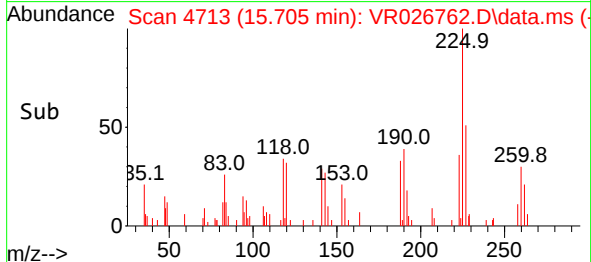
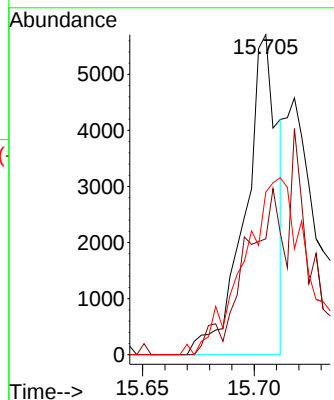
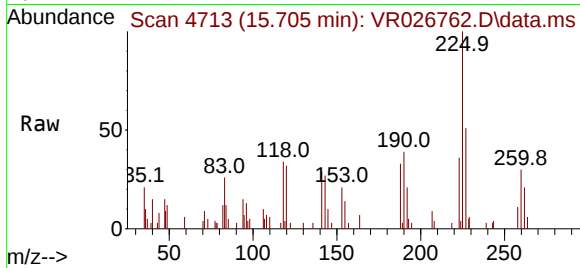




#93
Hexachlorobutadiene
Concen: 1.704 ug/l
RT: 15.705 min Scan# 4713
Delta R.T. 0.010 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

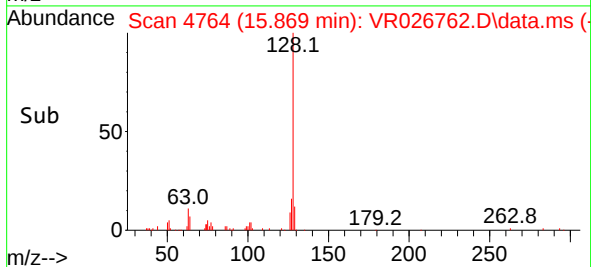
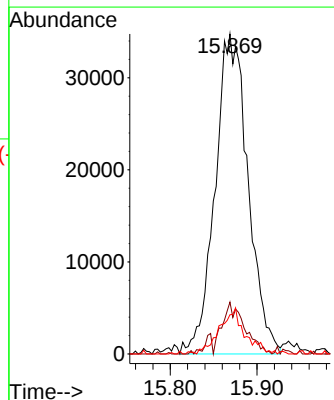
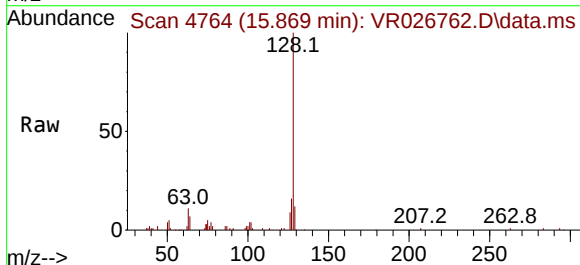
Instrument :
MSVOA_R
ClientSampleId :
MDL-WATER-03-QT3-2025

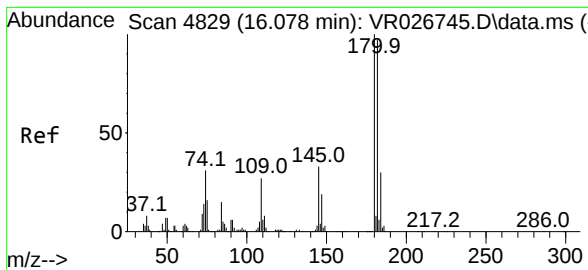
Tgt Ion:225 Resp: 5770
Ion Ratio Lower Upper
225 100
223 60.5 31.5 94.5
227 0.0 31.3 93.8#



#94
Naphthalene
Concen: 3.128 ug/l
RT: 15.869 min Scan# 4764
Delta R.T. 0.016 min
Lab File: VR026762.D
Acq: 25 Aug 2025 15:46

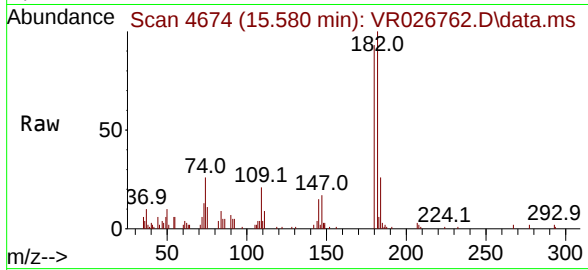
Tgt Ion:128 Resp: 91903
Ion Ratio Lower Upper
128 100
127 10.9 10.0 15.0
129 10.9 8.7 13.1





#95
 1,2,3-Trichlorobenzene
 Concen: 2.987 ug/l
 RT: 15.580 min Scan# 4
 Delta R.T. -0.497 min
 Lab File: VR026762.D
 Acq: 25 Aug 2025 15:46

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025



Tgt Ion:	180	Resp:	29784
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	27.5	15.6	46.8

