

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063622.D
 Acq On : 22 Sep 2025 16:21
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	246399	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	241179	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	126091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	83311	50.410	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.820%	
7) Chloroethane-d5	1.891	69	73468	52.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 104.500%	
11) 1,1-Dichloroethene-d2	2.551	63	148541	50.298	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.600%	
21) 2-Butanone-d5	4.612	46	126351	110.805	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 110.800%	
24) Chloroform-d	5.046	84	160221	51.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.620%	
26) 1,2-Dichloroethane-d4	5.686	65	107035	53.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.260%	
32) Benzene-d6	5.711	84	298732	51.714	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.420%	
36) 1,2-Dichloropropane-d6	6.676	67	96479	51.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 102.240%	
41) Toluene-d8	7.885	98	280357	51.644	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 103.280%	
43) trans-1,3-Dichloroprop...	8.168	79	33872	49.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.100%	
47) 2-Hexanone-d5	8.621	63	75817	109.644	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 109.640%	
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152062	52.330	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 104.660%	
66) 1,2-Dichlorobenzene-d4	12.184	152	111302	52.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	63327	47.756	ug/L	99
3) Chloromethane	1.515	50	78946	46.181	ug/L	99
5) Vinyl chloride	1.596	62	98766	48.541	ug/L	99
6) Bromomethane	1.830	94	60716	47.099	ug/L	97
8) Chloroethane	1.914	64	67834	49.215	ug/L	99
9) Trichlorofluoromethane	2.120	101	145383	49.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	77539	47.548	ug/L	99
12) 1,1-Dichloroethene	2.563	96	69288	47.759	ug/L	97
13) Acetone	2.615	43	129950	95.489	ug/L	95
14) Carbon disulfide	2.776	76	165516	43.969	ug/L	99
15) Methyl Acetate	2.940	43	97510	48.303	ug/L	97
16) Methylene chloride	3.026	84	89841	48.978	ug/L	91
17) trans-1,2-Dichloroethene	3.338	96	76426	48.926	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	243365	48.160	ug/L	99
19) 1,1-Dichloroethane	3.850	63	154896	48.710	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	89307	48.821	ug/L	97
22) 2-Butanone	4.692	43	154458	98.213	ug/L	96
23) Bromochloromethane	4.959	128	46771	48.797	ug/L	98
25) Chloroform	5.071	83	165380	48.974	ug/L	98

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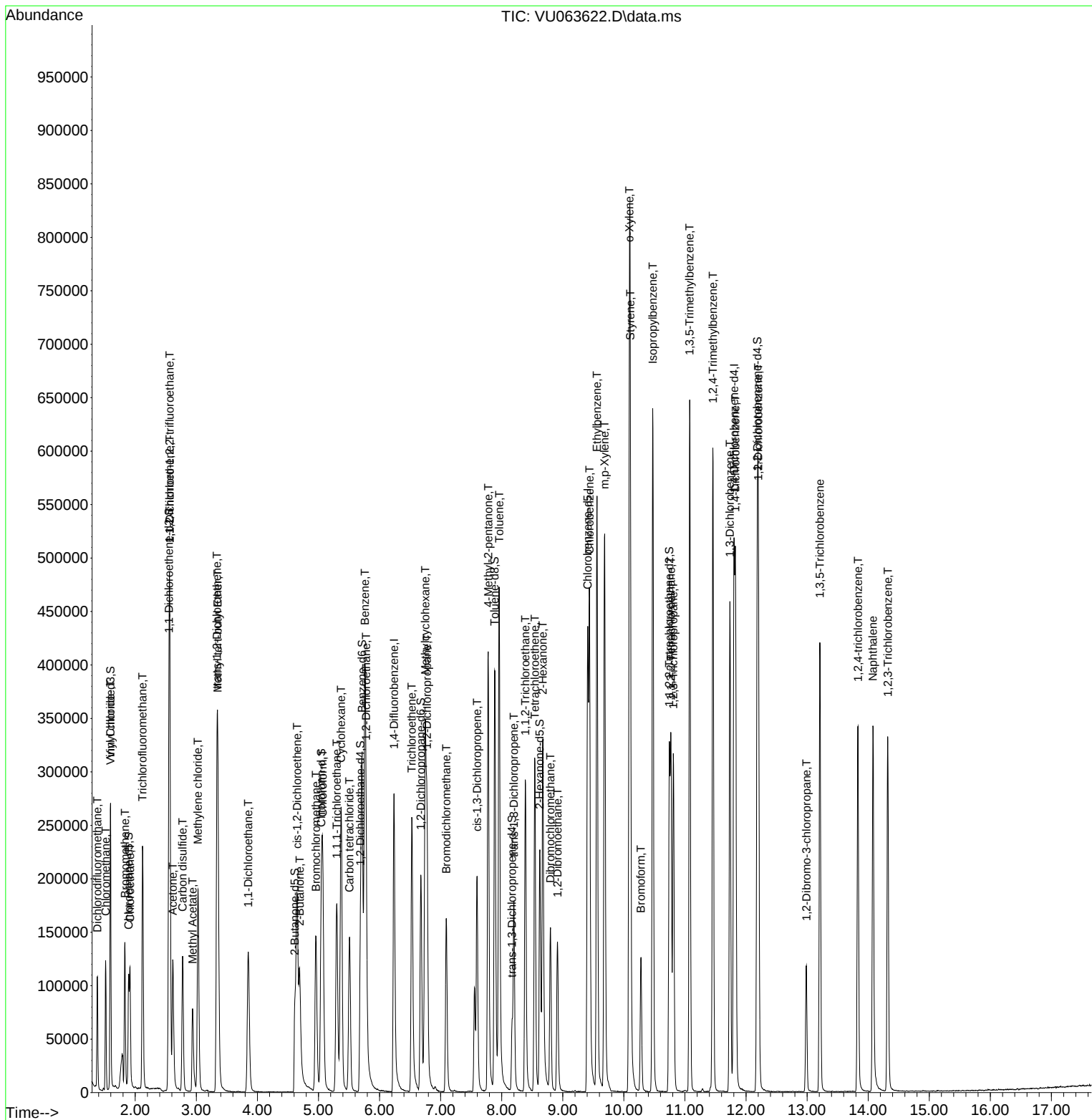
Instrument :
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 ClientSampleId :

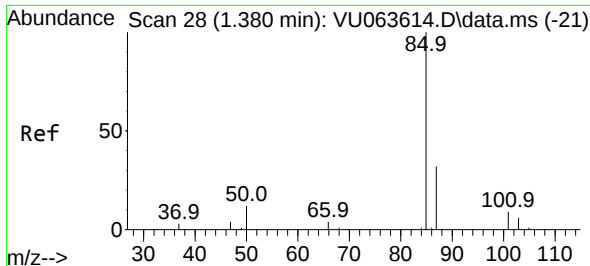
Quant Time: Sep 23 05:44:02 2025
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	132777	47.587	ug/L	99
29) Cyclohexane	5.370	56	137290	48.432	ug/L	99
30) 1,1,1-Trichloroethane	5.300	97	126439	47.685	ug/L	98
31) Carbon tetrachloride	5.509	117	96869	46.100	ug/L	100
33) Benzene	5.759	78	345390	49.315	ug/L	100
34) Trichloroethene	6.528	95	96690	49.296	ug/L	97
35) Methylcyclohexane	6.750	83	132196	47.208	ug/L	98
37) 1,2-Dichloropropane	6.776	63	93746	48.330	ug/L	100
38) Bromodichloromethane	7.094	83	106868	46.468	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	115719	45.888	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	274379	98.179	ug/L	99
42) Toluene	7.959	91	372721	48.542	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	97529	45.548	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	93155	49.482	ug/L	98
46) Tetrachloroethene	8.544	164	69224	48.455	ug/L	99
48) 2-Hexanone	8.673	43	221989	105.000	ug/L	98
49) Dibromochloromethane	8.798	129	78066	46.324	ug/L	98
50) 1,2-Dibromoethane	8.914	107	95527	48.993	ug/L	99
51) Chlorobenzene	9.438	112	246408	48.496	ug/L	99
52) Ethylbenzene	9.560	91	411761	48.496	ug/L	100
53) m,p-Xylene	9.685	106	151608	47.866	ug/L	100
54) o-Xylene	10.090	106	153493	48.631	ug/L	97
55) Styrene	10.107	104	255645	49.562	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	158213	49.718	ug/L	98
59) Bromoform	10.280	173	56194	45.766	ug/L #	96
60) 1,2,3-Trichloropropane	10.811	75	130256	48.999	ug/L	99
61) Isopropylbenzene	10.473	105	410209	47.698	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	340412	48.130	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	329073	47.992	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	183452	46.807	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	187058	47.175	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	182442	47.339	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	28166	47.242	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	128823	47.015	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	104238	46.078	ug/L	99
71) Naphthalene	14.077	128	290195	47.214	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	102634	47.335	ug/L	97

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

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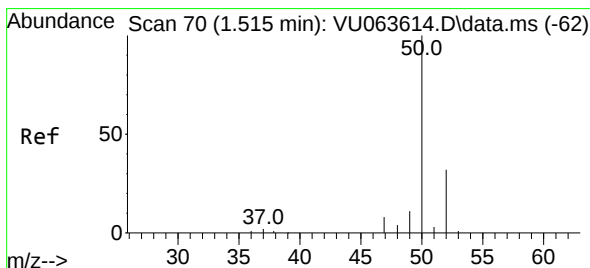
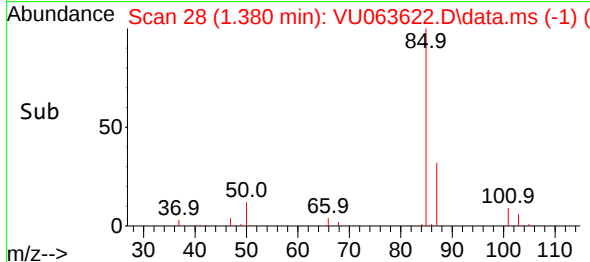
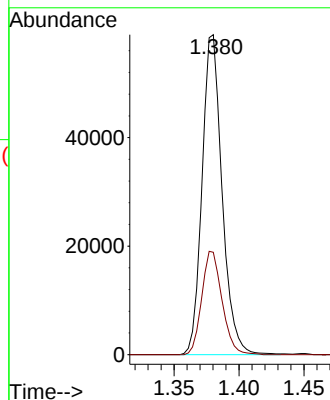
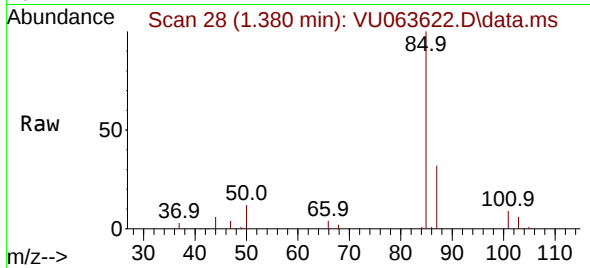




#2
 Dichlorodifluoromethane
 Concen: 47.756 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

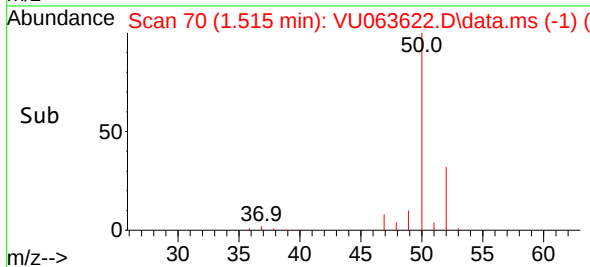
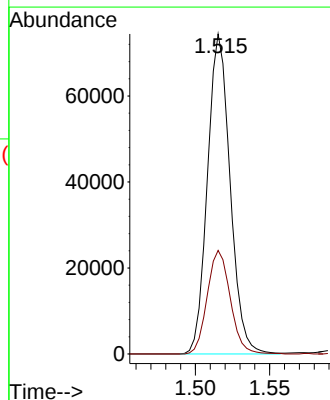
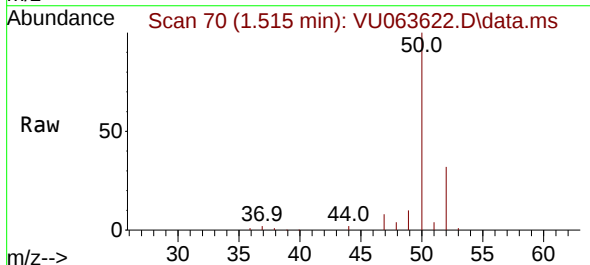
Instrument :
 MSVOA_U
 ClientSampleId :

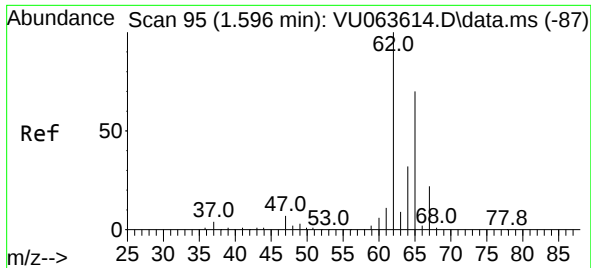
Tgt Ion: 85 Resp: 63327
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.5 38.3



#3
 Chloromethane
 Concen: 46.181 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

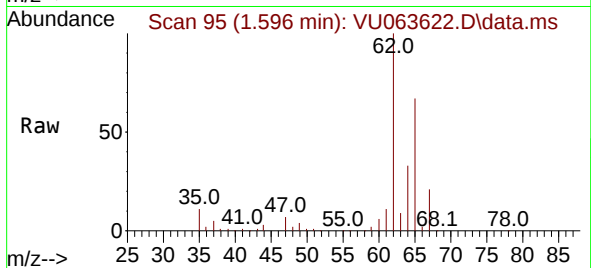
Tgt Ion: 50 Resp: 78946
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.2 41.2



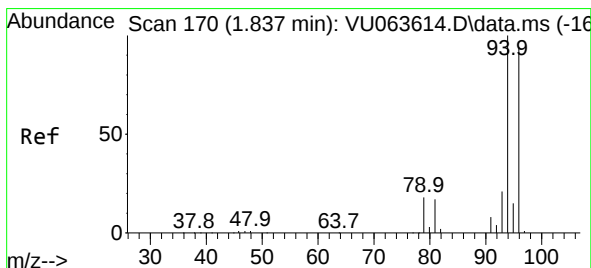
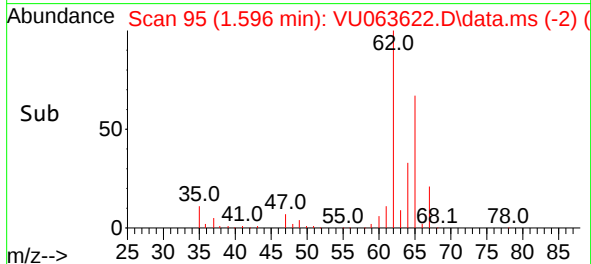
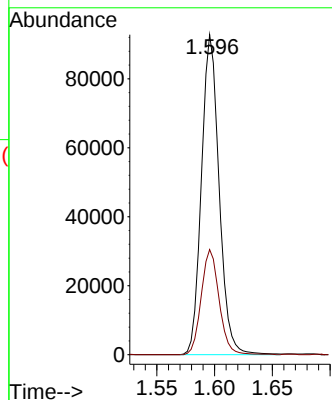


#5
 Vinyl chloride
 Concen: 48.541 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Instrument :
 MSVOA_U
 ClientSampleId :

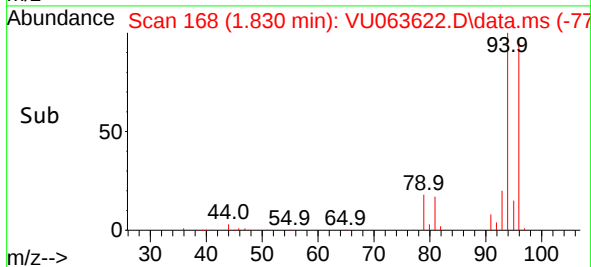
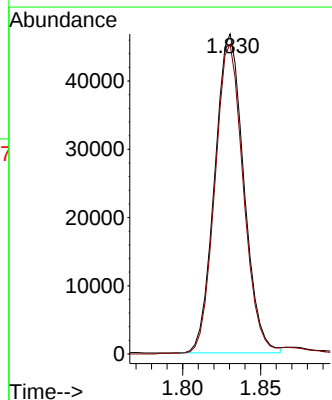
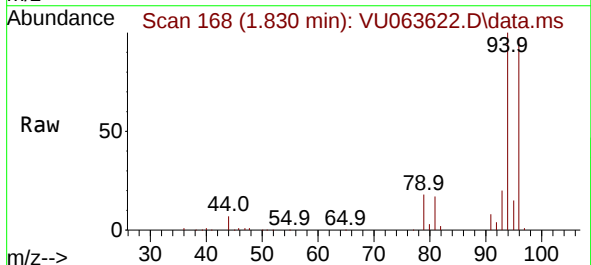


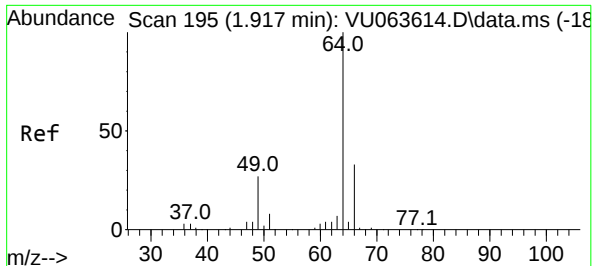
Tgt Ion: 62 Resp: 98766
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.5 41.7



#6
 Bromomethane
 Concen: 47.099 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.006 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Tgt Ion: 94 Resp: 60716
 Ion Ratio Lower Upper
 94 100
 96 96.8 65.7 122.1

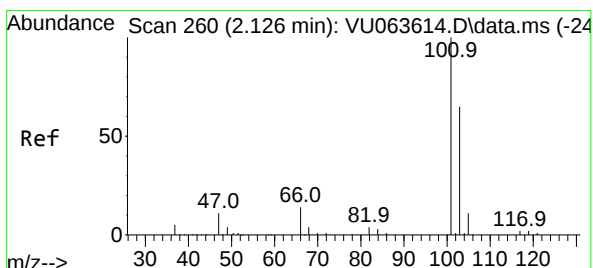
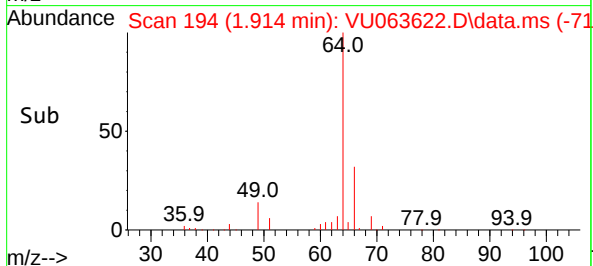
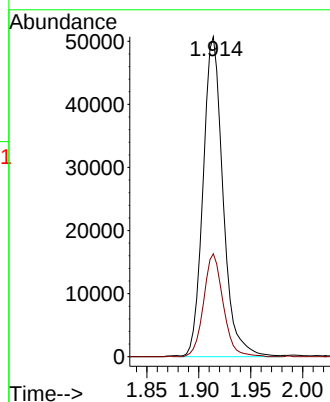
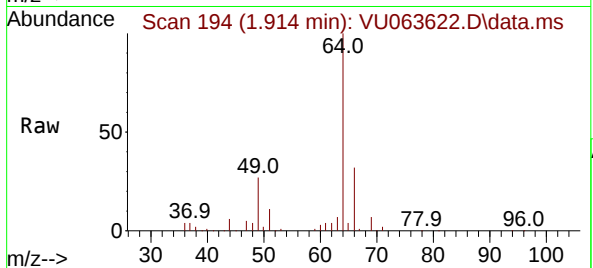




#8
Chloroethane
Concen: 49.215 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

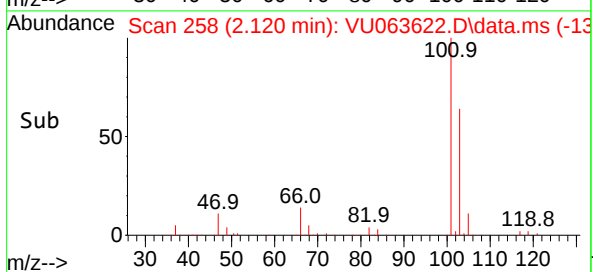
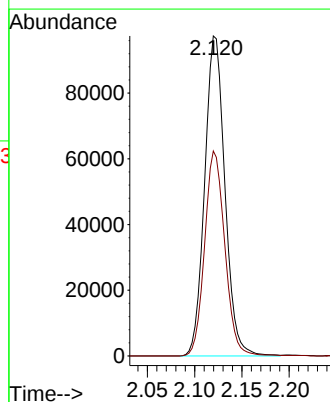
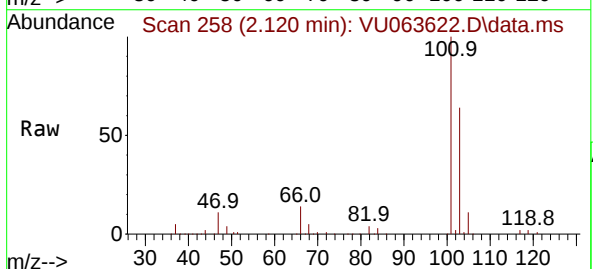
Instrument :
MSVOA_U
ClientSampleId :

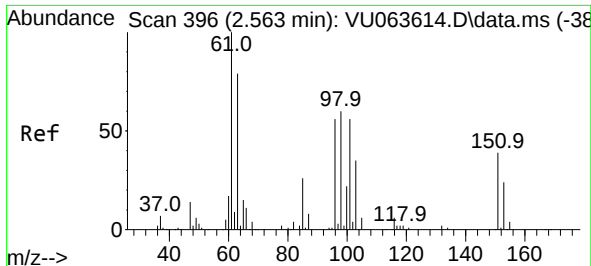
Tgt Ion: 64 Resp: 67834
Ion Ratio Lower Upper
64 100
66 32.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 49.046 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.006 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion:101 Resp: 145383
Ion Ratio Lower Upper
101 100
103 63.6 51.1 76.7

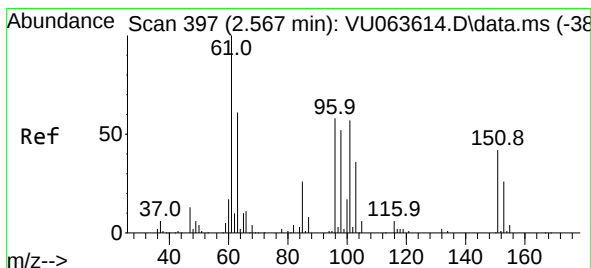
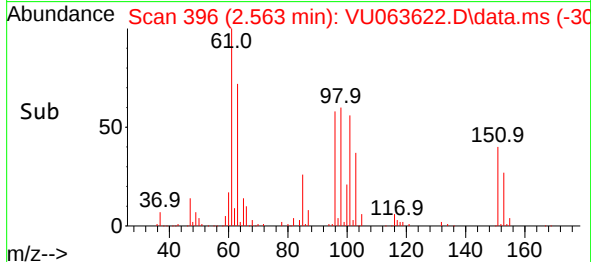
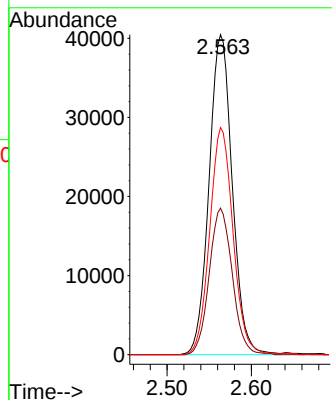
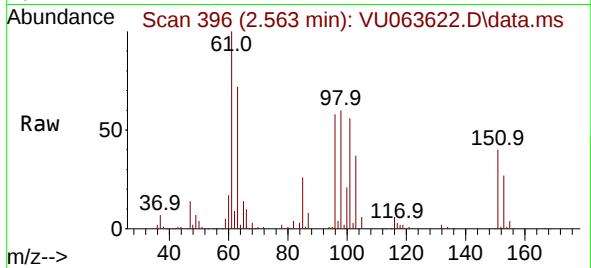




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.548 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

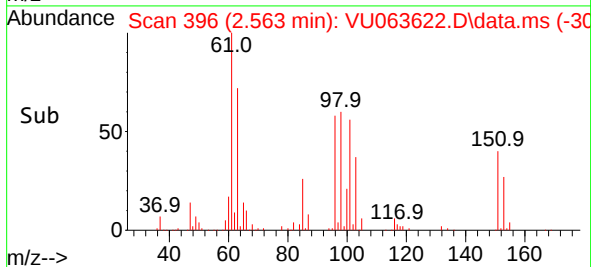
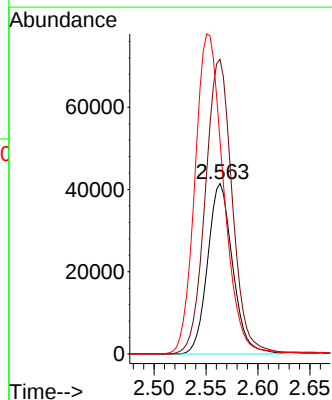
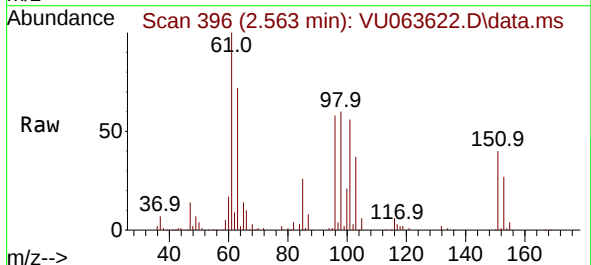
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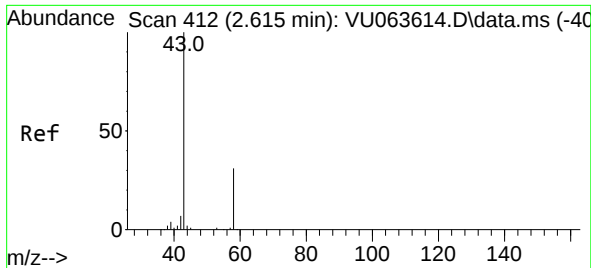
Tgt Ion:101 Resp: 77539
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.8 55.2
 151 71.3 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 47.759 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

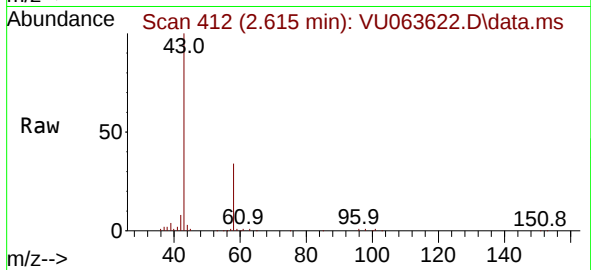
Tgt Ion: 96 Resp: 69288
 Ion Ratio Lower Upper
 96 100
 61 173.0 121.4 225.4
 63 125.1 81.5 151.3



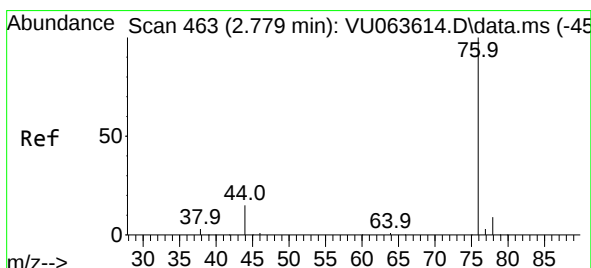
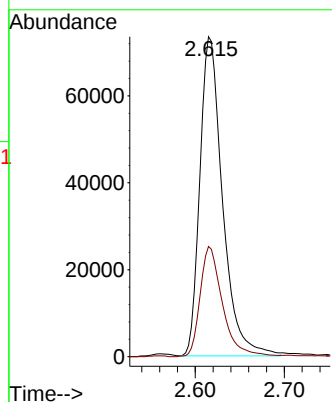
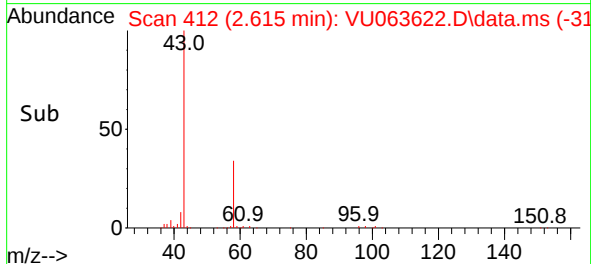


#13
Acetone
Concen: 95.489 ug/L
RT: 2.615 min Scan# 412
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Instrument :
MSVOA_U
ClientSampleId :

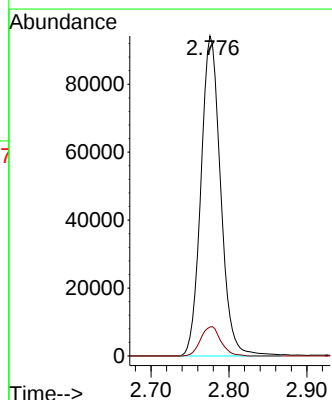
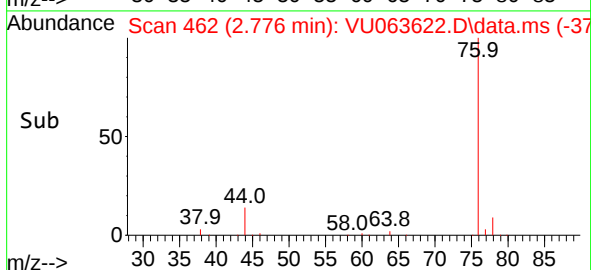
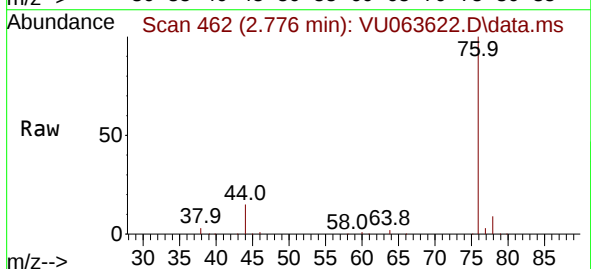


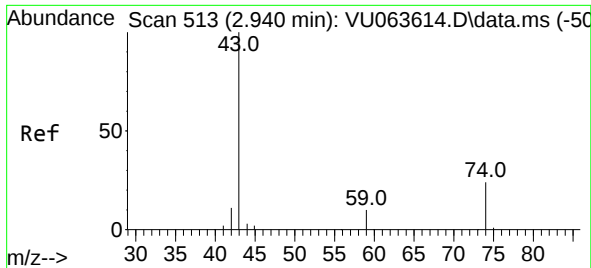
Tgt Ion: 43 Resp: 129950
Ion Ratio Lower Upper
43 100
58 34.1 0.0 62.4



#14
Carbon disulfide
Concen: 43.969 ug/L
RT: 2.776 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 76 Resp: 165516
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

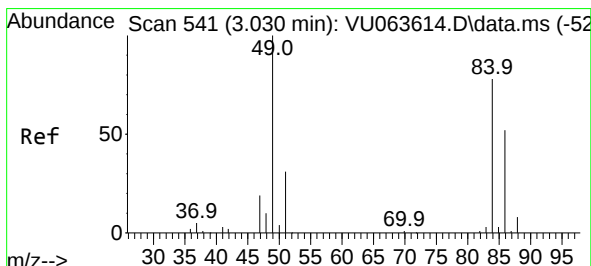
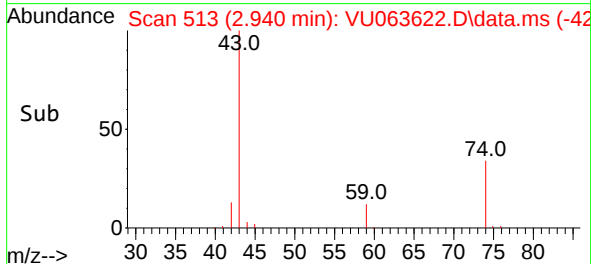
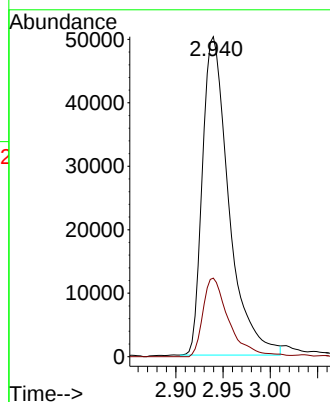
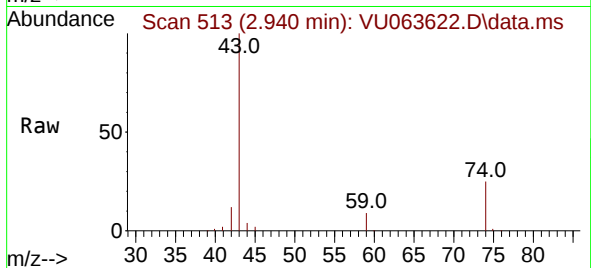




#15
Methyl Acetate
Concen: 48.303 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

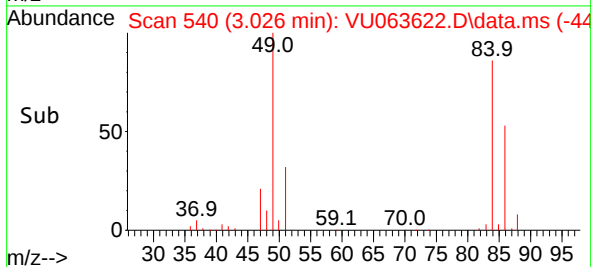
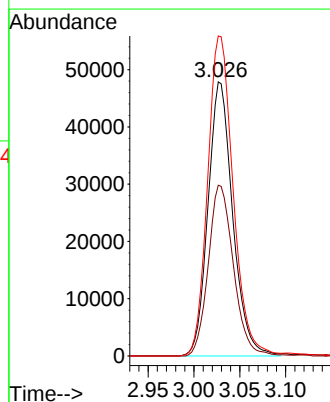
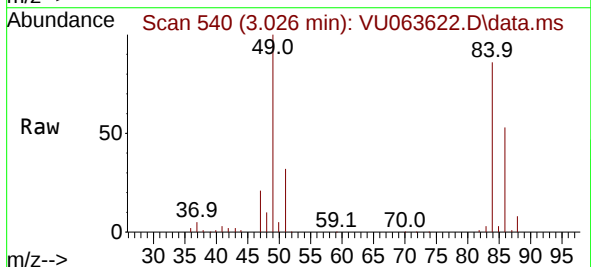
Instrument :
MSVOA_U
ClientSampleId :

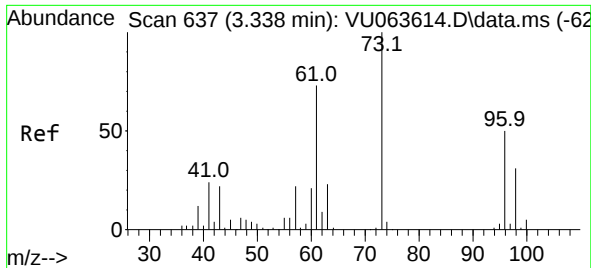
Tgt Ion: 43 Resp: 97510
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0



#16
Methylene chloride
Concen: 48.978 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

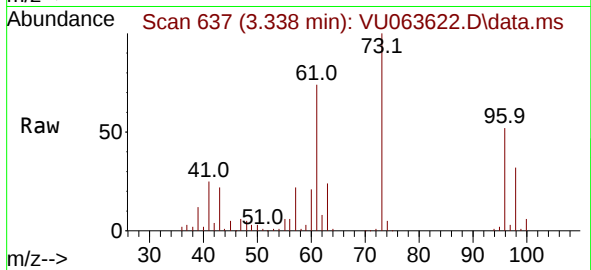
Tgt Ion: 84 Resp: 89841
Ion Ratio Lower Upper
84 100
86 62.3 47.2 87.6
49 116.8 90.2 167.4





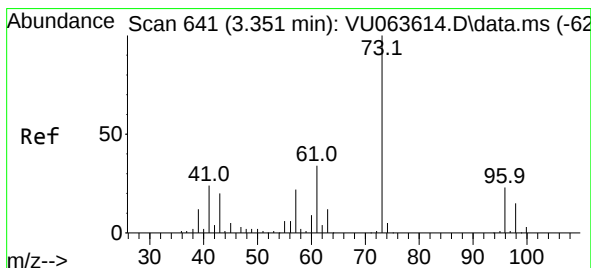
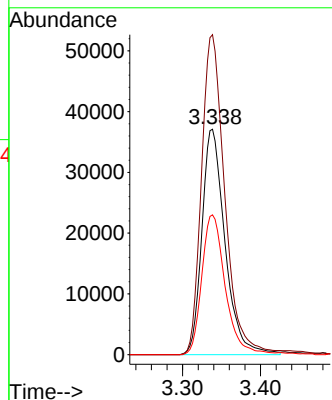
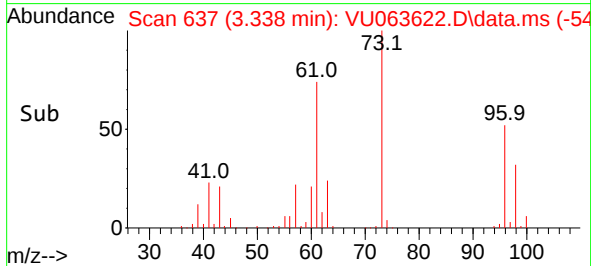
#17
 trans-1,2-Dichloroethene
 Concen: 48.926 ug/L
 RT: 3.338 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Instrument :
 MSVOA_U
 ClientSampleId :

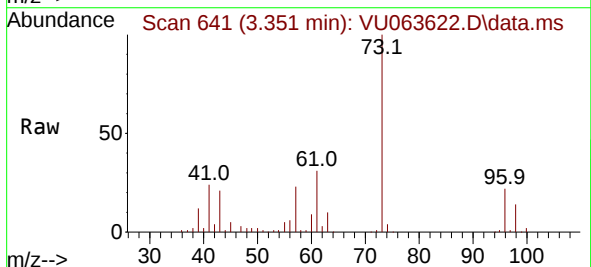


Tgt Ion: 96 Resp: 76426

Ion	Ratio	Lower	Upper
96	100		
61	142.0	102.2	189.8
98	62.1	43.7	81.1

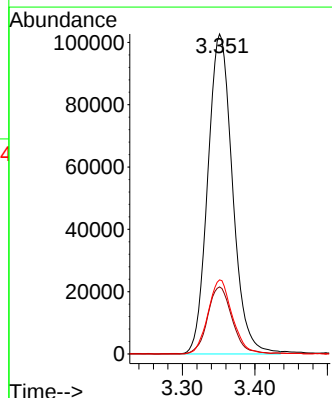
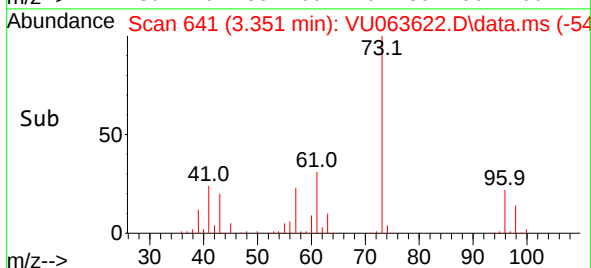


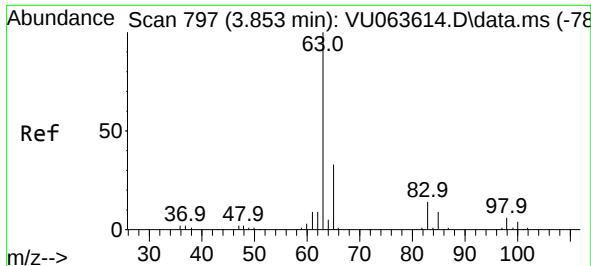
#18
 Methyl tert-butyl Ether
 Concen: 48.160 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21



Tgt Ion: 73 Resp: 243365

Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.5	24.7
57	22.7	17.8	26.6

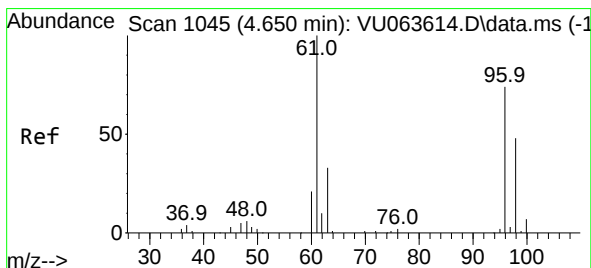
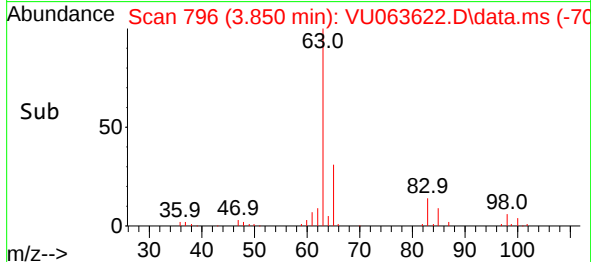
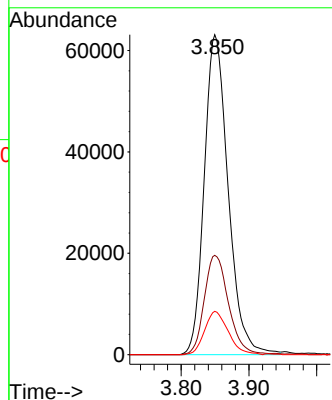
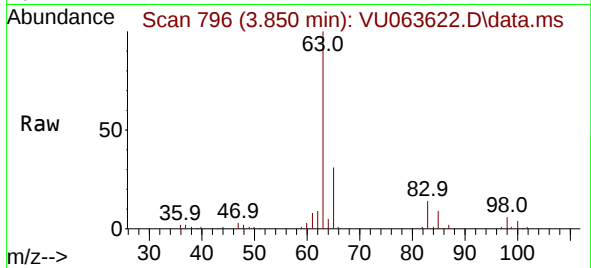




#19
1,1-Dichloroethane
Concen: 48.710 ug/L
RT: 3.850 min Scan# 797
Delta R.T. -0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

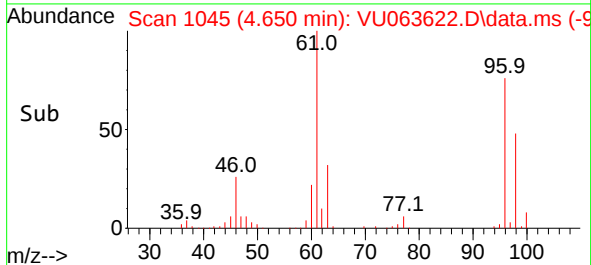
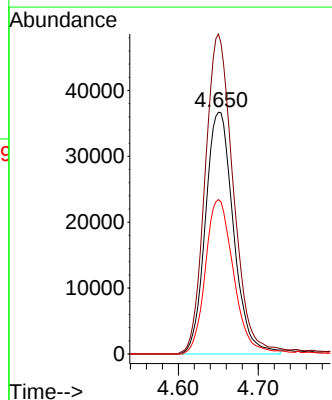
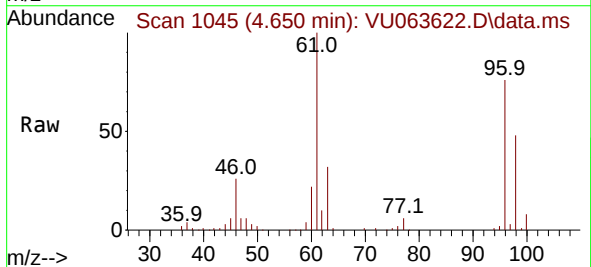
Instrument :
MSVOA_U
ClientSampleId :

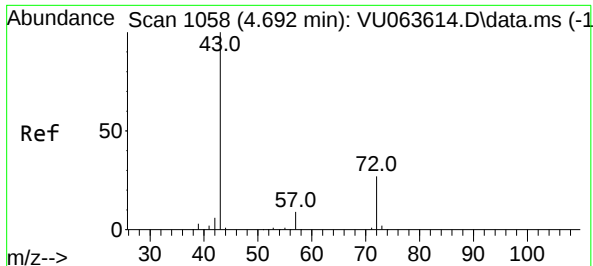
Tgt Ion: 63 Resp: 154896
Ion Ratio Lower Upper
63 100
65 31.0 23.0 42.8
83 13.5 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 48.821 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 96 Resp: 89307
Ion Ratio Lower Upper
96 100
61 132.3 95.5 177.3
98 63.9 46.1 85.7





#22

2-Butanone

Concen: 98.213 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

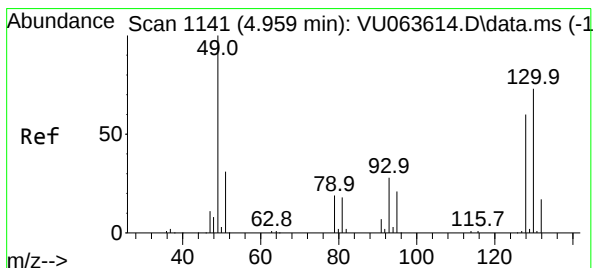
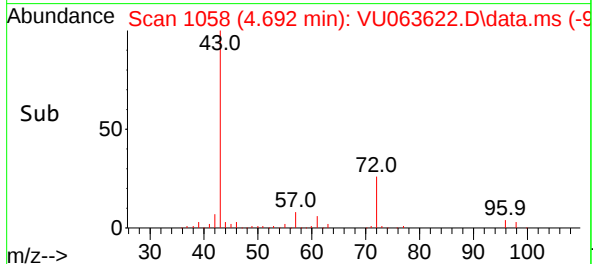
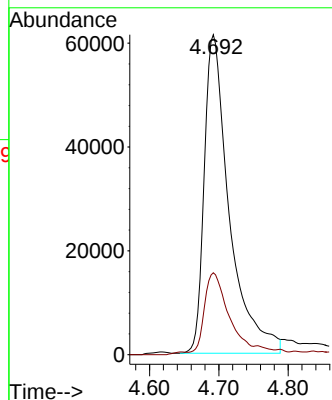
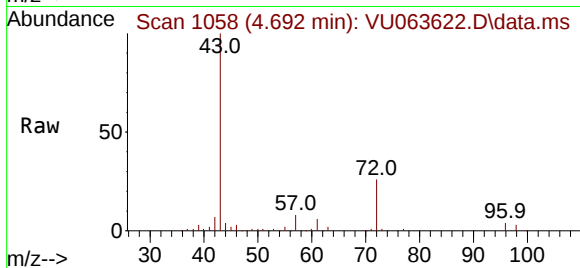
ClientSampleId :

Tgt Ion: 43 Resp: 154458

Ion Ratio Lower Upper

43 100

72 23.2 12.7 38.1



#23

Bromochloromethane

Concen: 48.797 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Tgt Ion:128 Resp: 46771

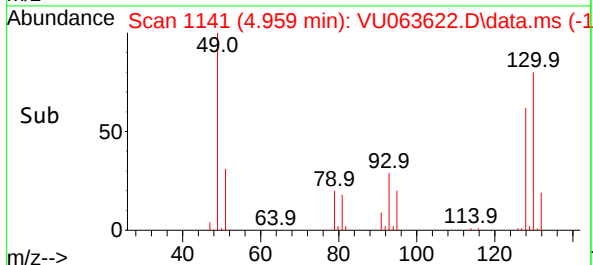
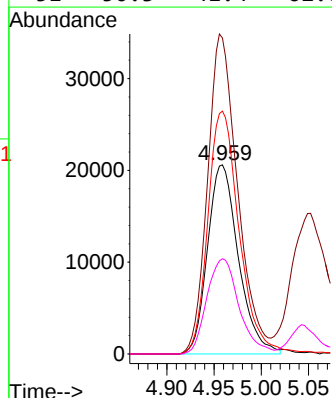
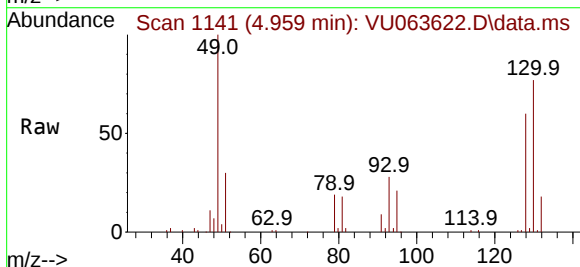
Ion Ratio Lower Upper

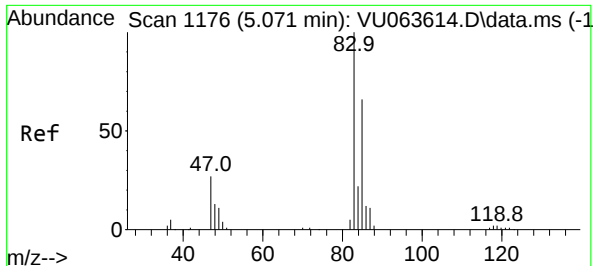
128 100

49 167.1 116.6 216.5

130 128.4 85.6 159.0

51 50.3 41.4 62.0

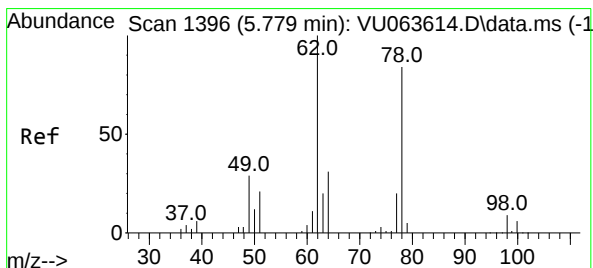
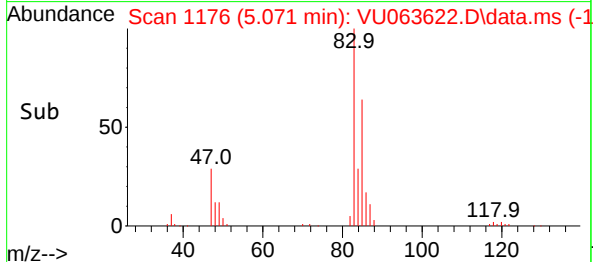
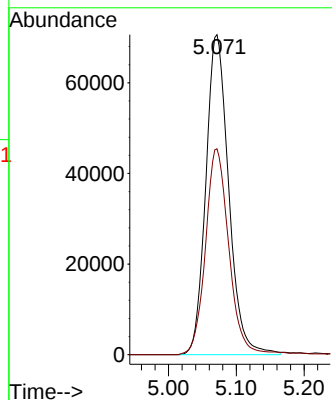
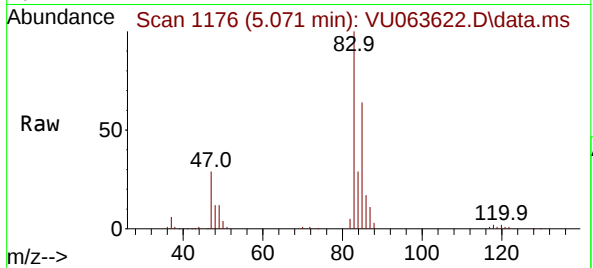




#25
Chloroform
Concen: 48.974 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

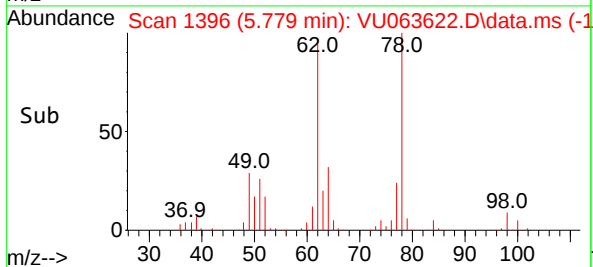
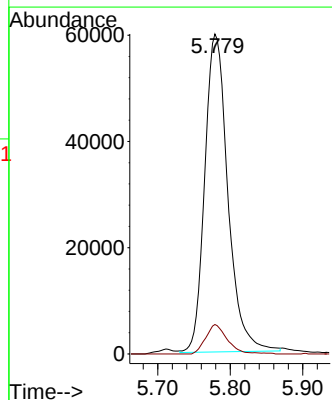
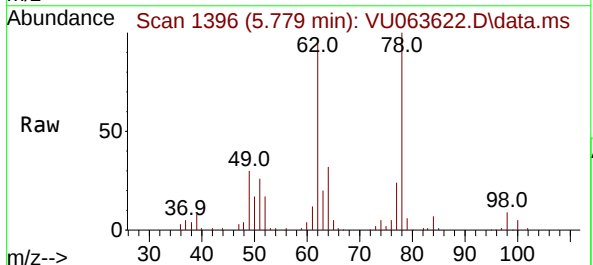
Instrument :
MSVOA_U
ClientSampleId :

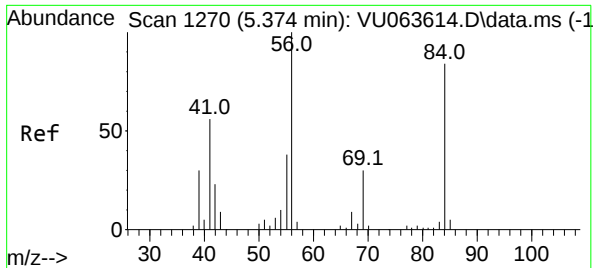
Tgt Ion: 83 Resp: 165380
Ion Ratio Lower Upper
83 100
85 64.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 47.587 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

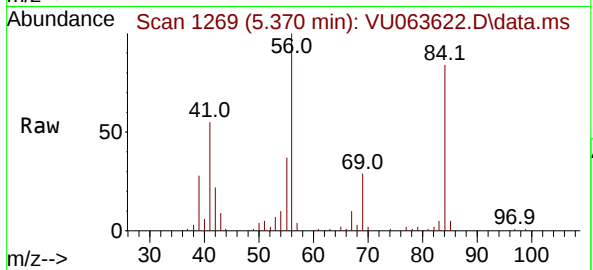
Tgt Ion: 62 Resp: 132777
Ion Ratio Lower Upper
62 100
98 9.2 7.1 10.7



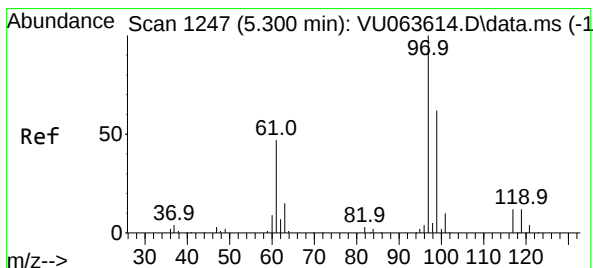
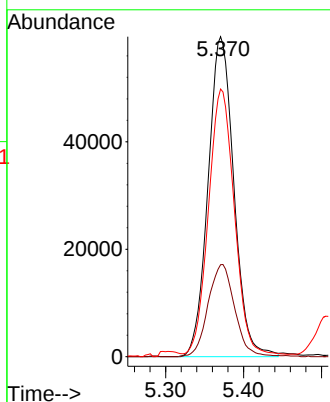
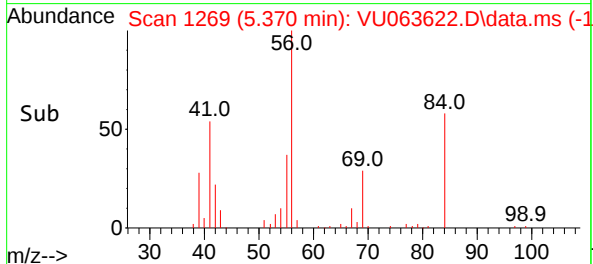


#29
Cyclohexane
Concen: 48.432 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

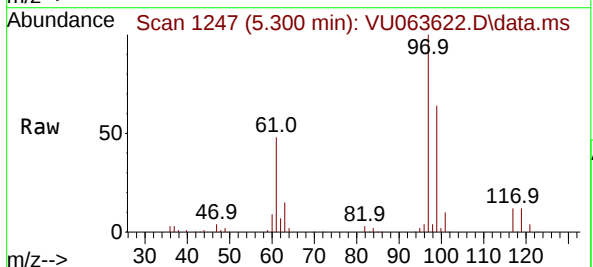
Instrument :
MSVOA_U
ClientSampleId :



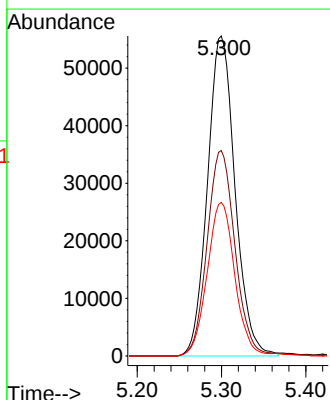
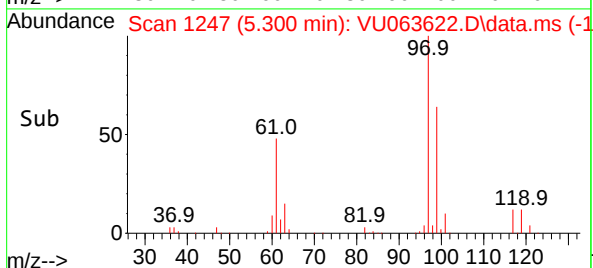
Tgt Ion:	56	Resp:	137290
Ion Ratio	Lower	Upper	
56	100		
69	29.6	24.0	36.0
84	82.7	65.7	98.5

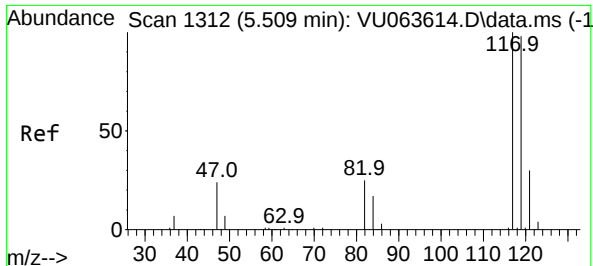


#30
1,1,1-Trichloroethane
Concen: 47.685 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21



Tgt Ion:	97	Resp:	126439
Ion Ratio	Lower	Upper	
97	100		
99	64.9	50.6	75.8
61	47.9	38.0	57.0

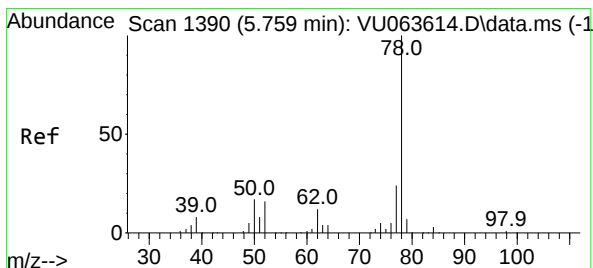
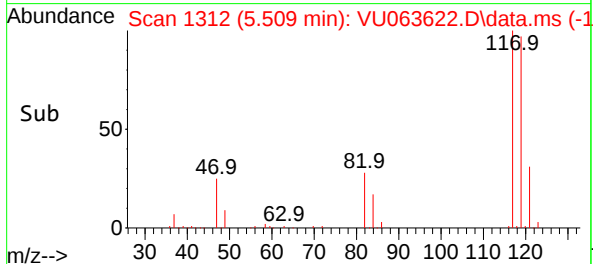
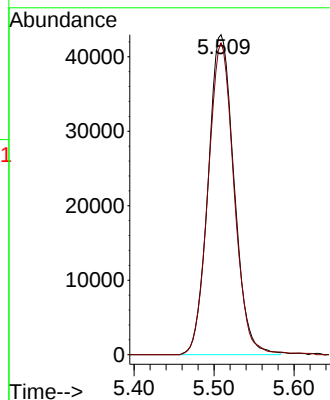
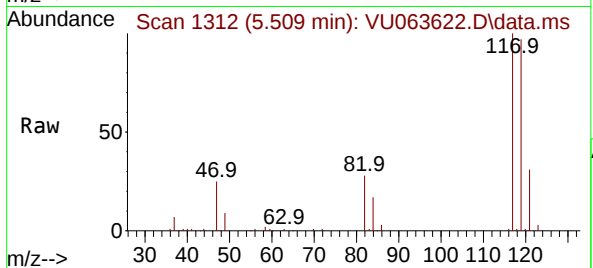




#31
Carbon tetrachloride
Concen: 46.100 ug/L
RT: 5.509 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

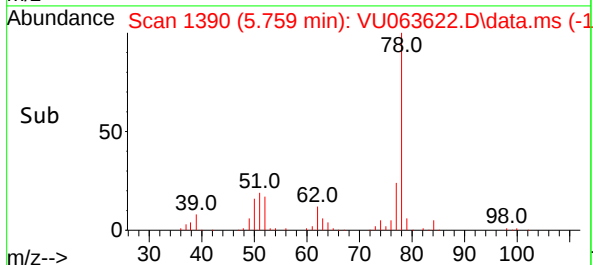
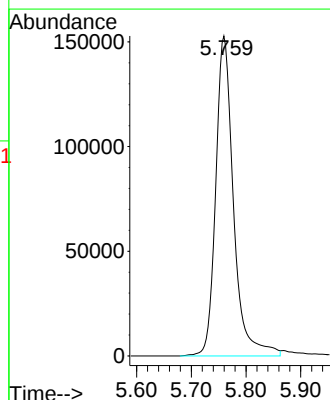
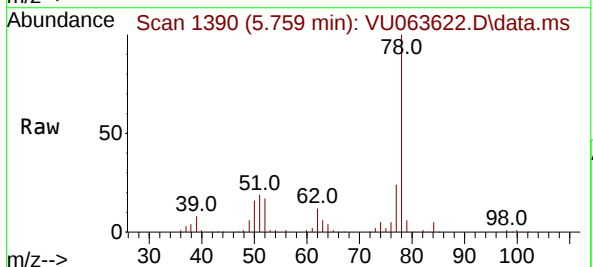
Instrument :
MSVOA_U
ClientSampleId :

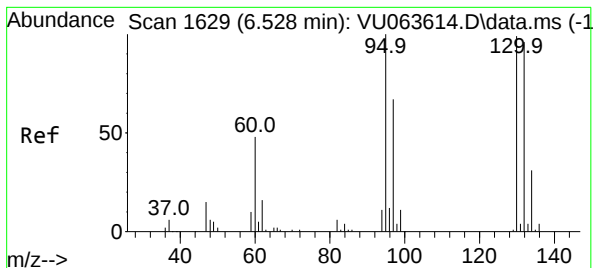
Tgt Ion:117 Resp: 96869
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.6



#33
Benzene
Concen: 49.315 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 78 Resp: 345390





#34

Trichloroethene

Concen: 49.296 ug/L

RT: 6.528 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 96690

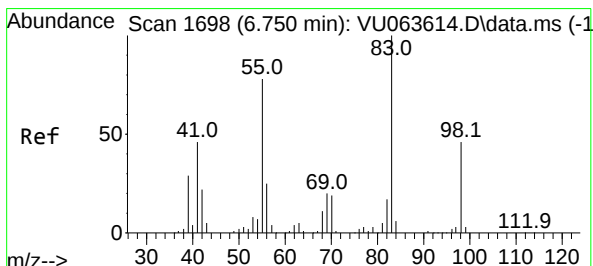
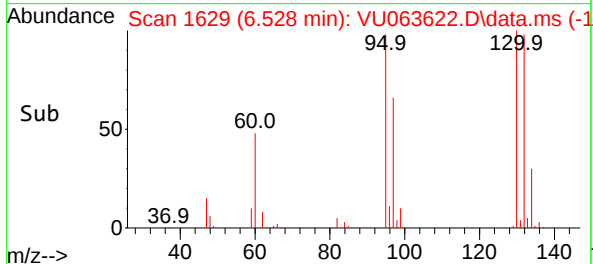
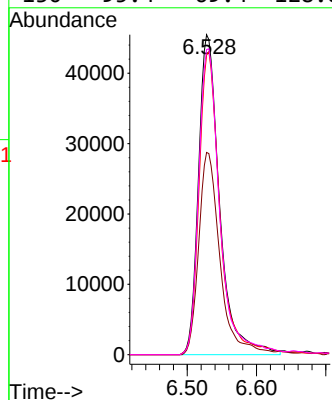
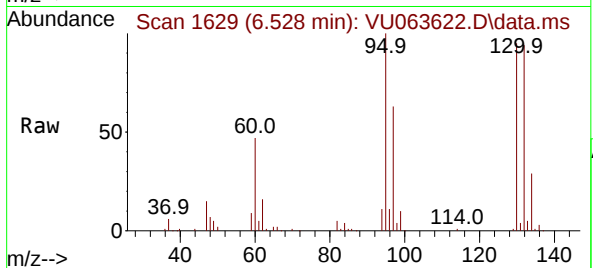
Ion Ratio Lower Upper

95 100

97 63.2 46.6 86.6

132 93.7 66.8 124.2

130 95.4 69.4 128.8



#35

Methylcyclohexane

Concen: 47.208 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

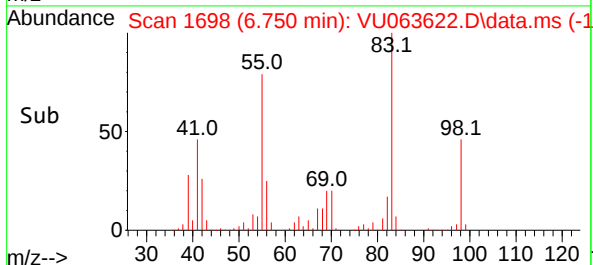
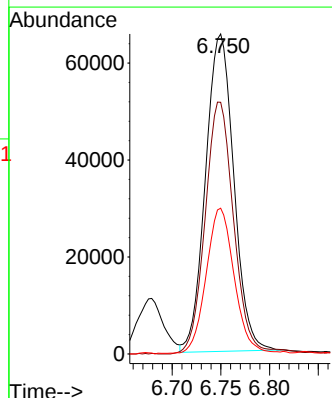
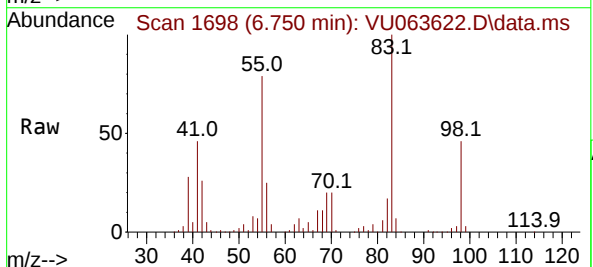
Tgt Ion: 83 Resp: 132196

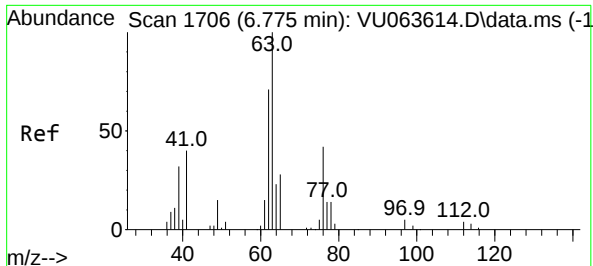
Ion Ratio Lower Upper

83 100

55 80.8 63.4 95.0

98 45.7 37.3 55.9

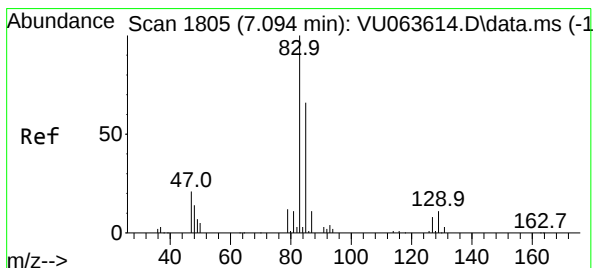
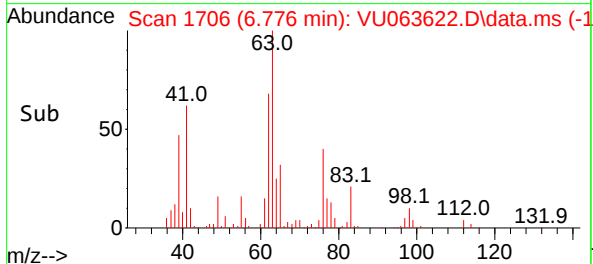
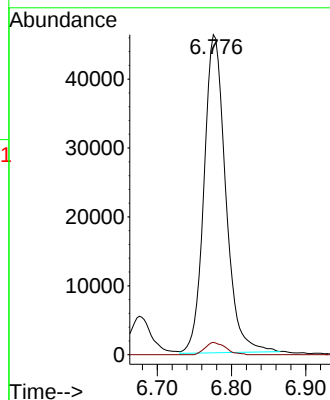
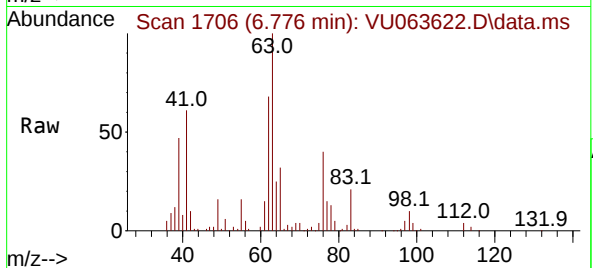




#37
1,2-Dichloropropane
Concen: 48.330 ug/L
RT: 6.776 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

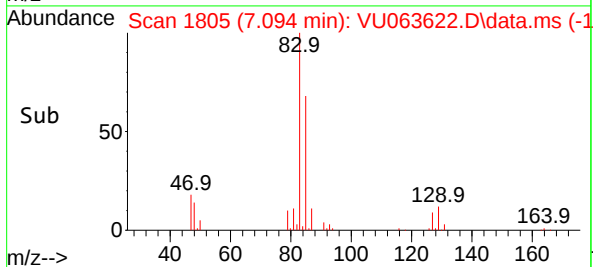
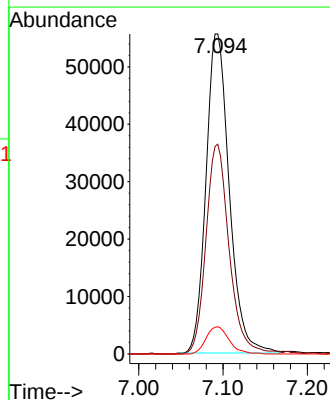
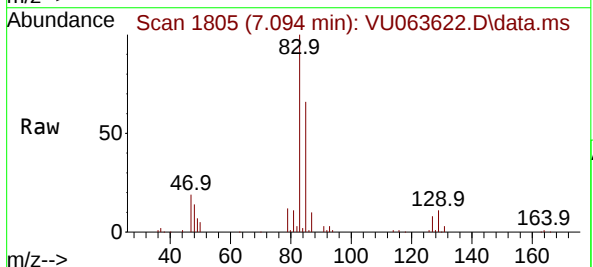
Instrument :
MSVOA_U
ClientSampleId :

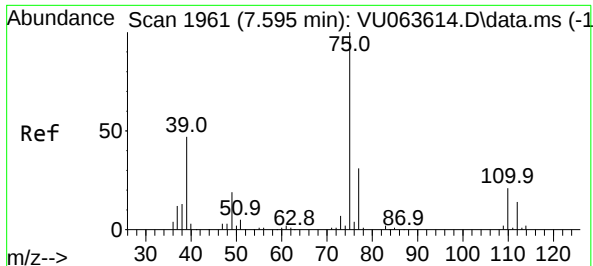
Tgt Ion: 63 Resp: 93746
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 46.468 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 83 Resp: 106868
Ion Ratio Lower Upper
83 100
85 65.5 45.9 85.3
127 8.5 6.7 10.1

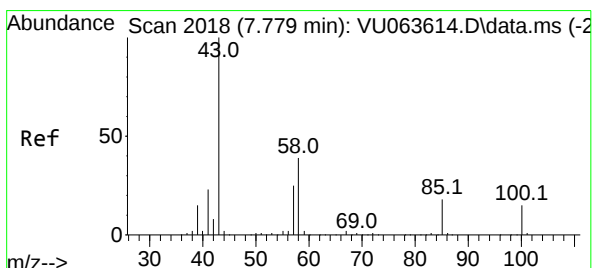
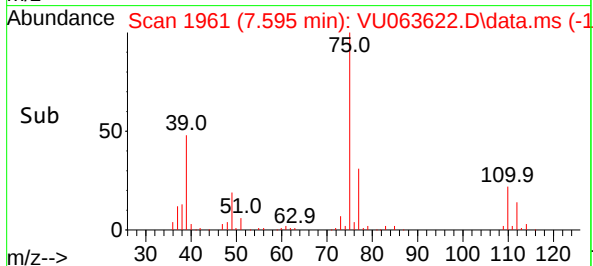
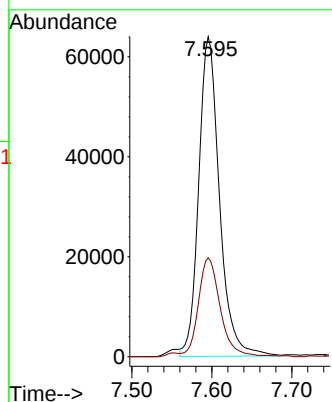
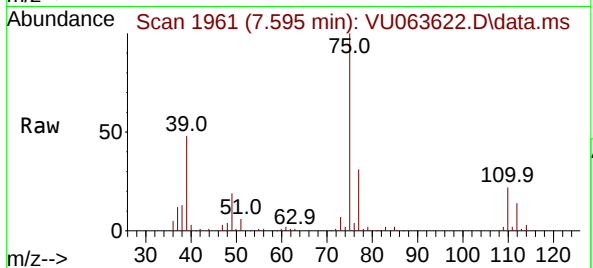




#39
 cis-1,3-Dichloropropene
 Concen: 45.888 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

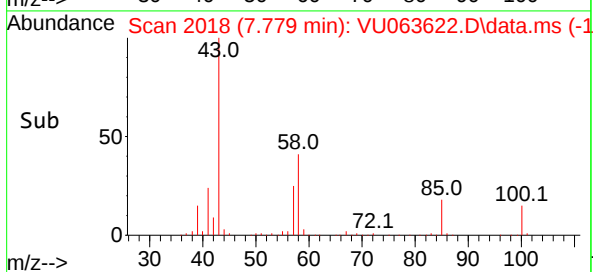
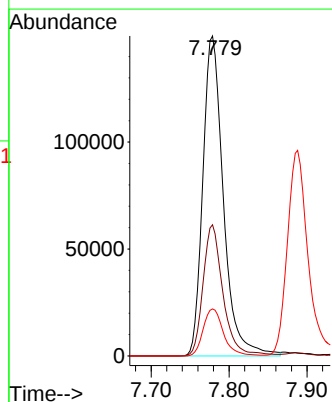
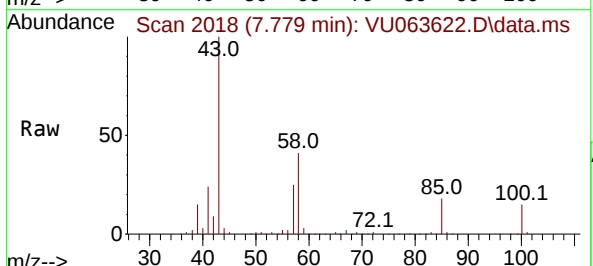
Instrument :
 MSVOA_U
 ClientSampleId :

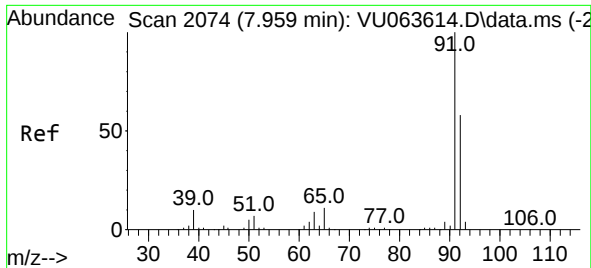
Tgt Ion: 75 Resp: 115719
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 98.179 ug/L
 RT: 7.779 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Tgt Ion: 43 Resp: 274379
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.9 46.3
 100 14.5 11.4 17.2

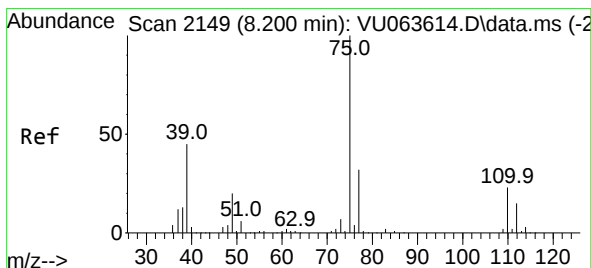
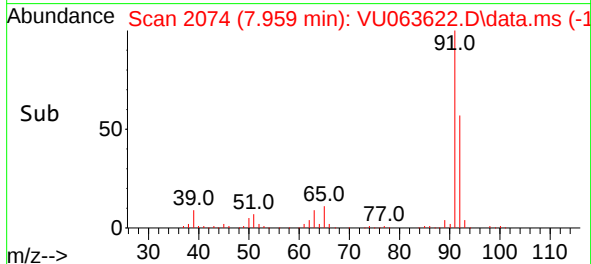
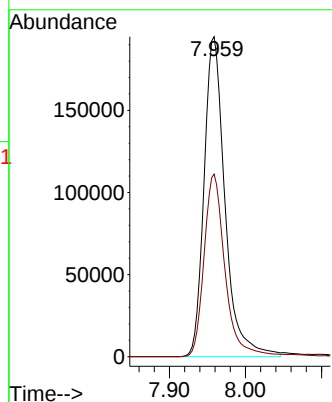
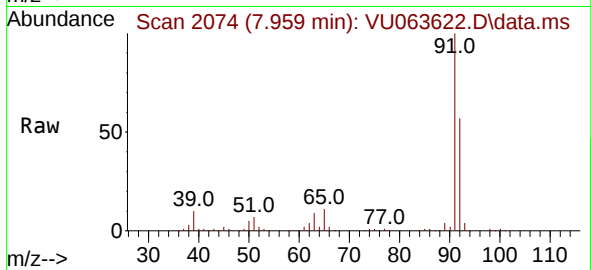




#42
Toluene
Concen: 48.542 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

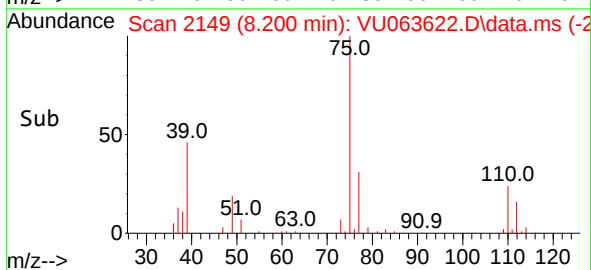
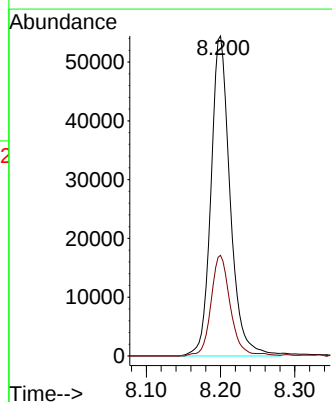
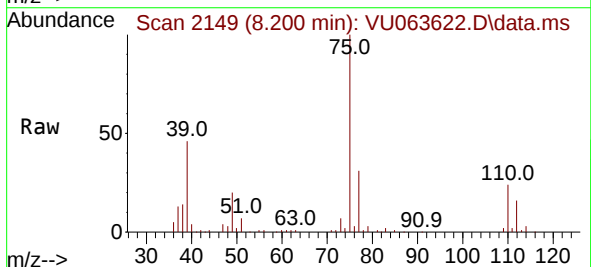
Instrument :
MSVOA_U
ClientSampleId :

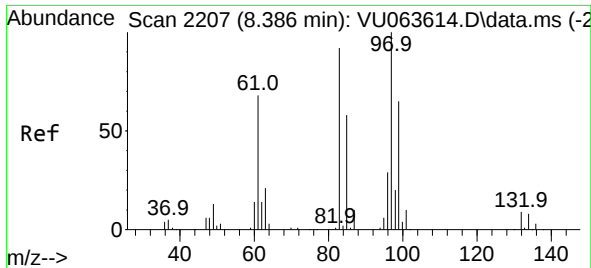
Tgt Ion: 91 Resp: 372721
Ion Ratio Lower Upper
91 100
92 57.0 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 45.548 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

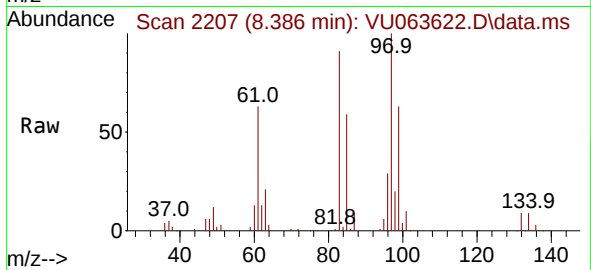
Tgt Ion: 75 Resp: 97529
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.5



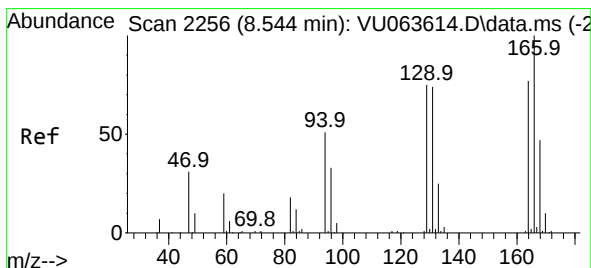
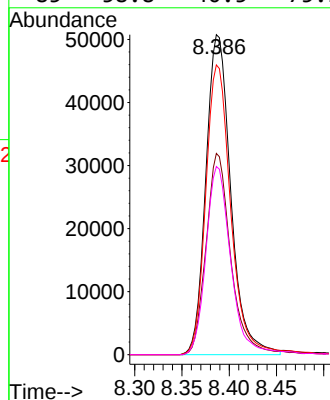
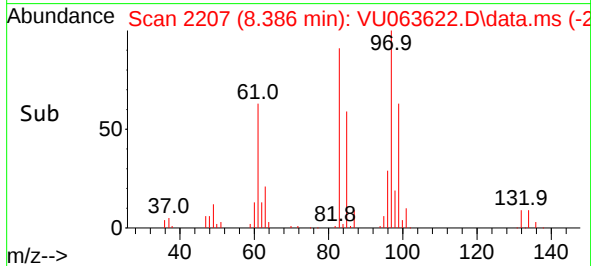


#45
1,1,2-Trichloroethane
Concen: 49.482 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Instrument :
MSVOA_U
ClientSampleId :

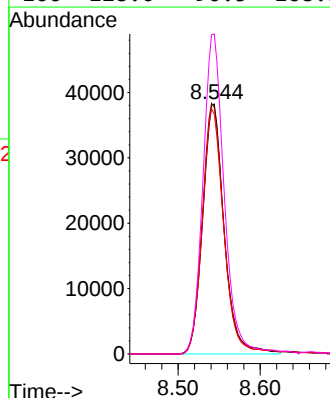
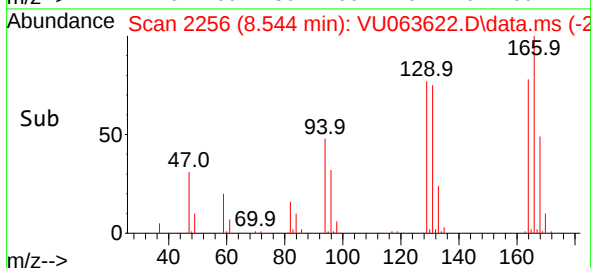
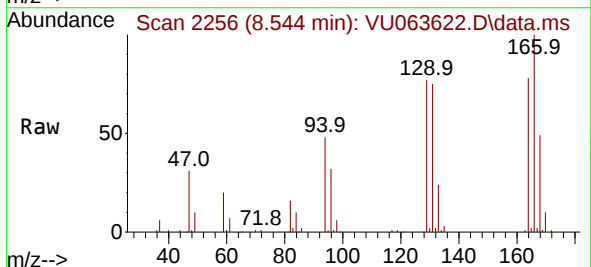


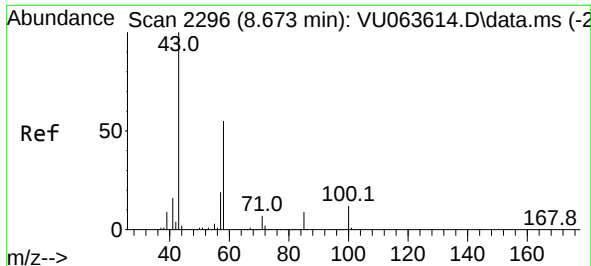
Tgt Ion:	97	Resp:	93155
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.8	85.0
83	90.6	64.4	119.6
85	58.8	40.5	75.1



#46
Tetrachloroethene
Concen: 48.455 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion:	164	Resp:	69224
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.5	125.3
131	95.9	67.0	124.4
166	128.0	90.5	168.1

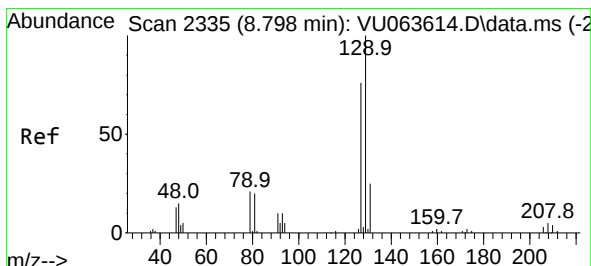
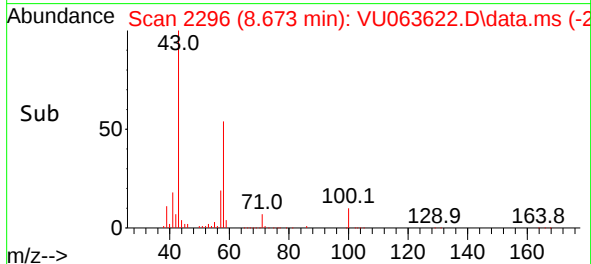
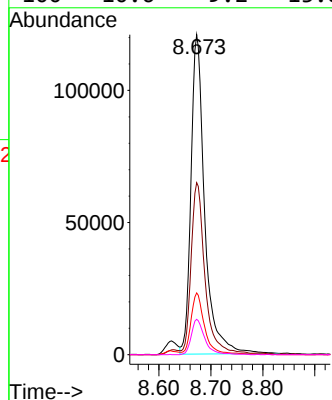
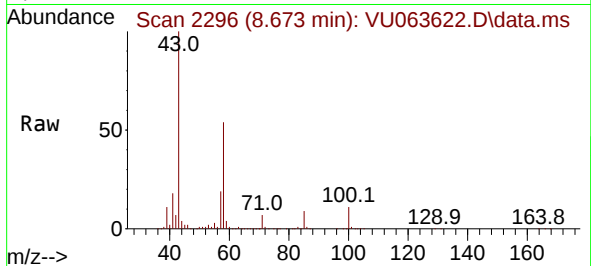




#48
2-Hexanone
Concen: 105.000 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

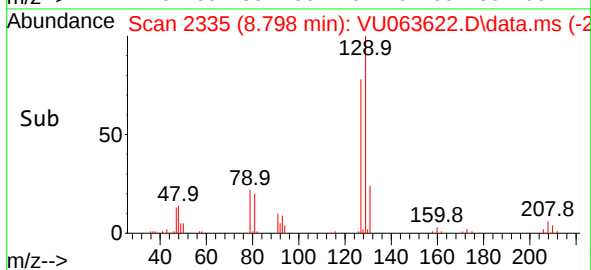
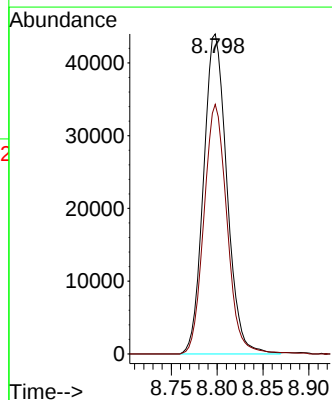
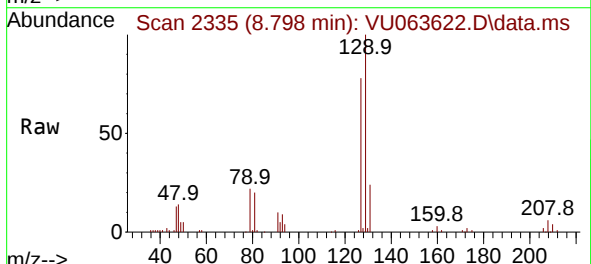
Instrument :
MSVOA_U
ClientSampleId :

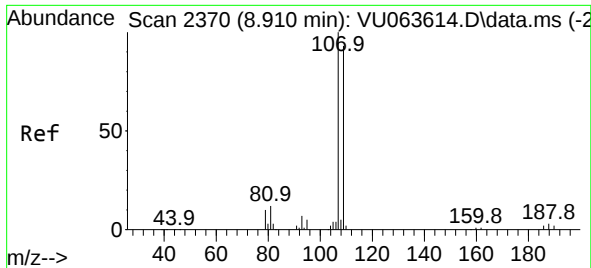
Tgt Ion: 43 Resp: 221989
Ion Ratio Lower Upper
43 100
58 50.9 41.7 62.5
57 17.8 14.7 22.1
100 10.6 9.2 13.8



#49
Dibromochloromethane
Concen: 46.324 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 129 Resp: 78066
Ion Ratio Lower Upper
129 100
127 78.0 53.1 98.7





#50

1,2-Dibromoethane

Concen: 48.993 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063622.D

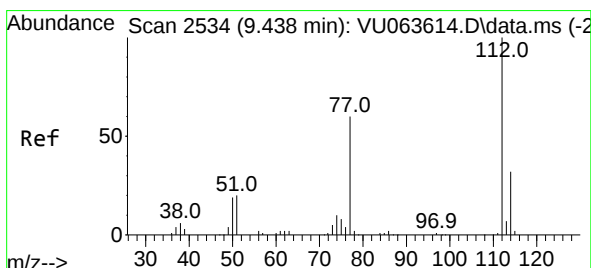
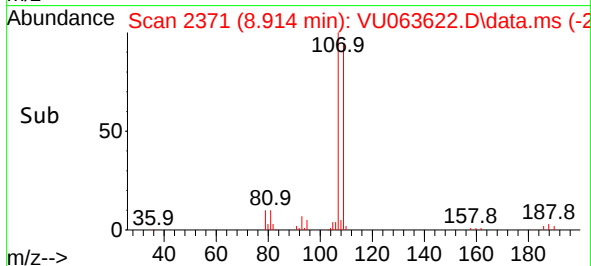
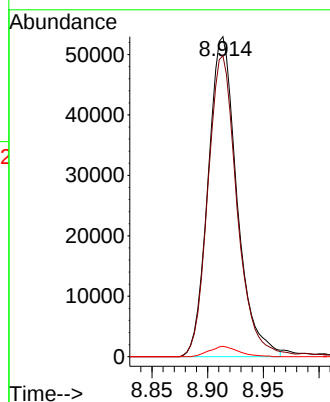
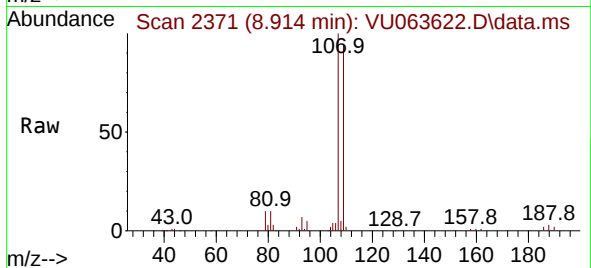
Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	95527
Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.0	120.6
188	3.3	2.6	4.0



#51

Chlorobenzene

Concen: 48.496 ug/L

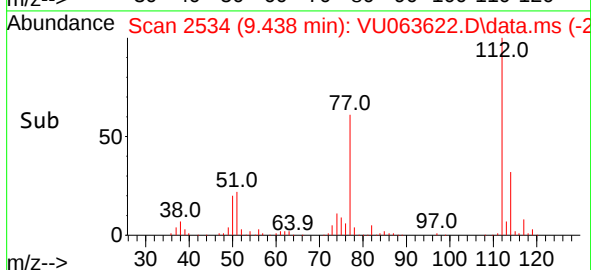
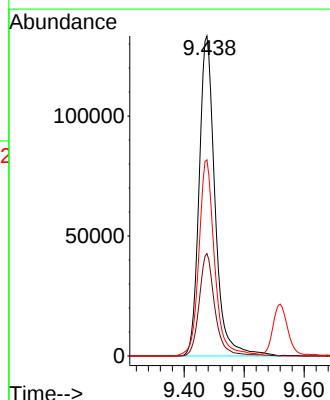
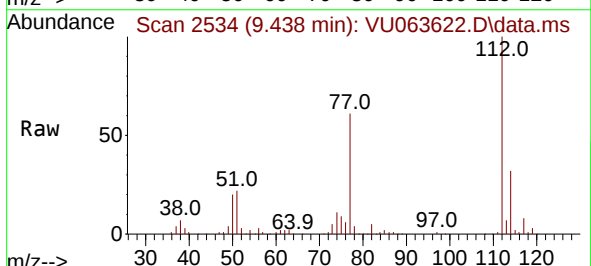
RT: 9.438 min Scan# 2534

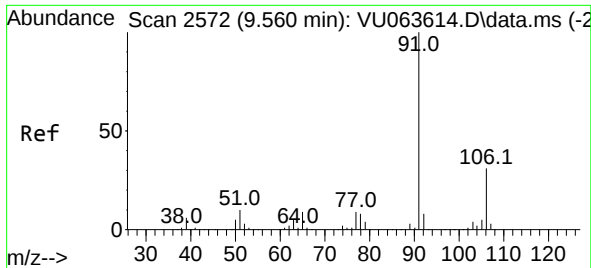
Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Tgt Ion:	112	Resp:	246408
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	61.3	48.2	72.2

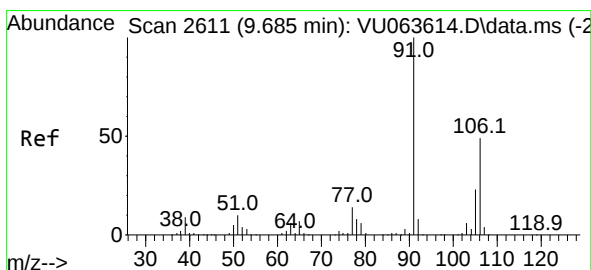
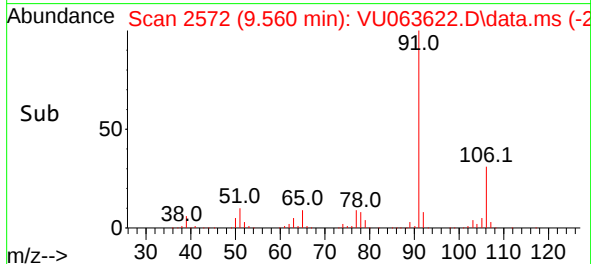
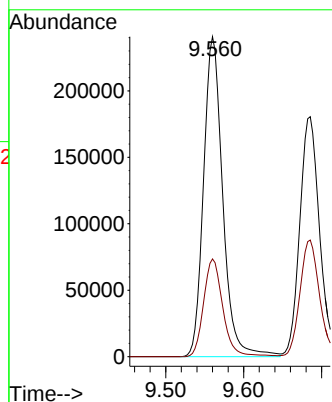
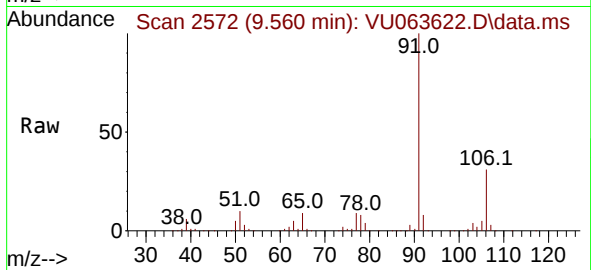




#52
Ethylbenzene
Concen: 48.496 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

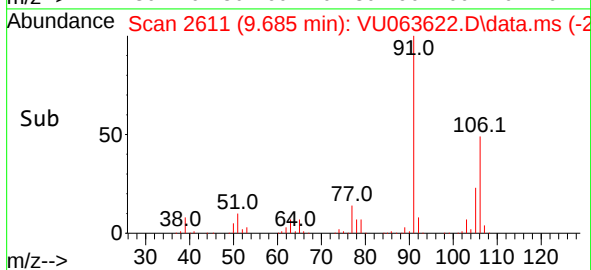
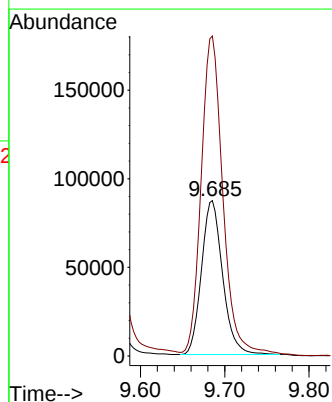
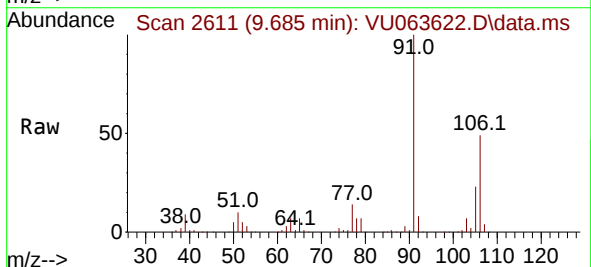
Instrument :
MSVOA_U
ClientSampleId :

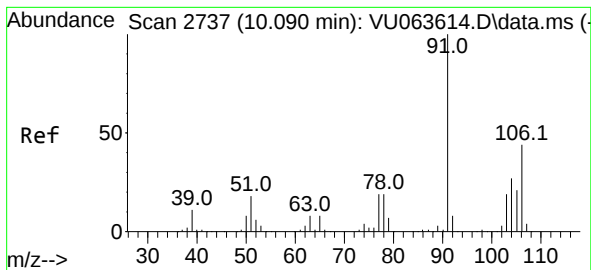
Tgt Ion: 91 Resp: 411761
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 47.866 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 106 Resp: 151608
Ion Ratio Lower Upper
106 100
91 205.9 144.1 267.7





#54

o-Xylene

Concen: 48.631 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

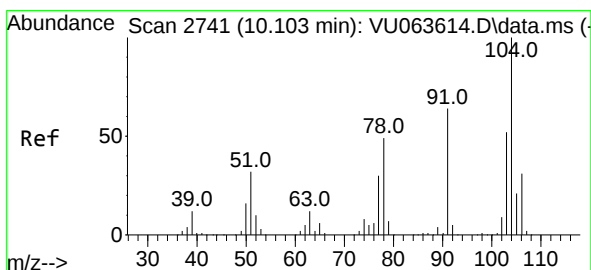
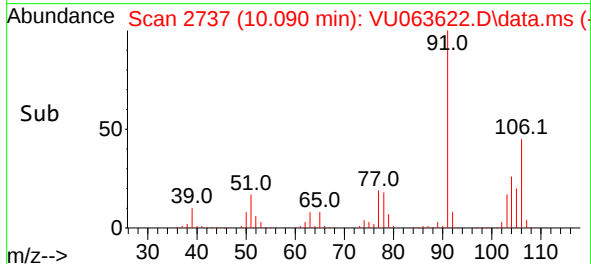
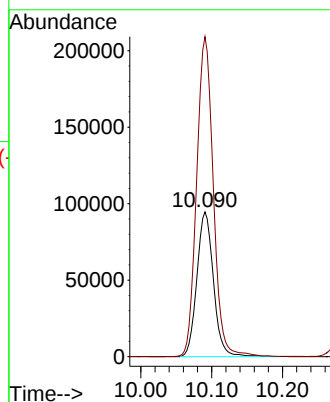
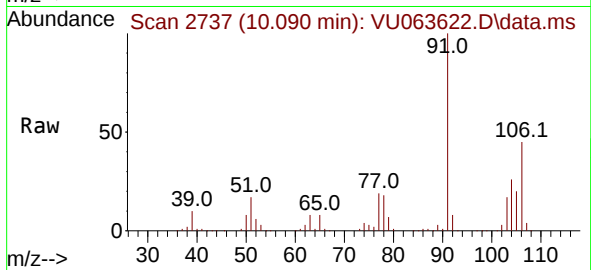
ClientSampleId :

Tgt Ion:106 Resp: 153493

Ion Ratio Lower Upper

106 100

91 220.9 158.5 294.3



#55

Styrene

Concen: 49.562 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VU063622.D

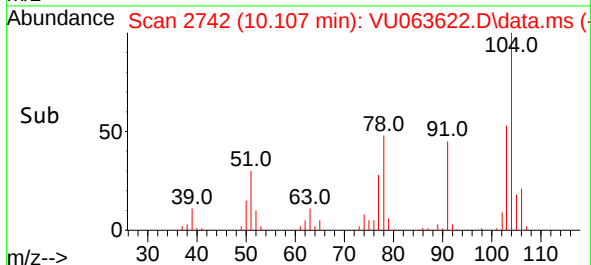
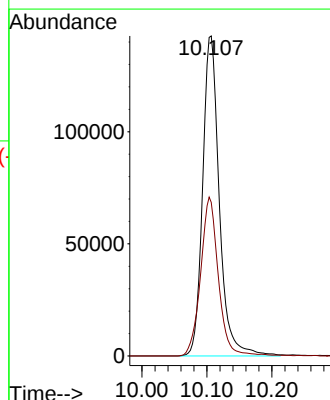
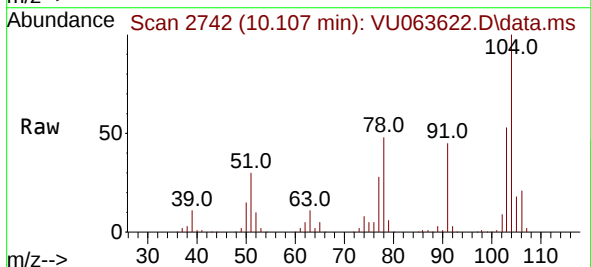
Acq: 22 Sep 2025 16:21

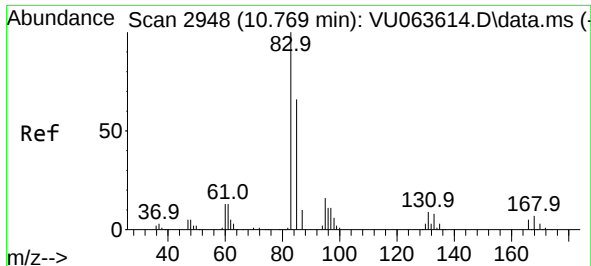
Tgt Ion:104 Resp: 255645

Ion Ratio Lower Upper

104 100

78 48.0 34.5 64.1

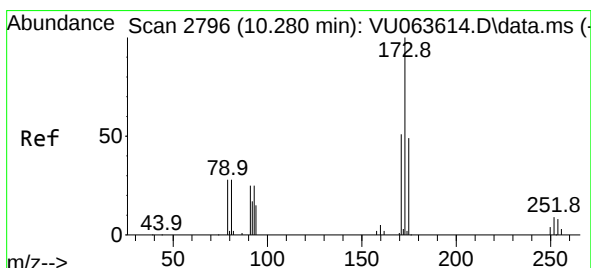
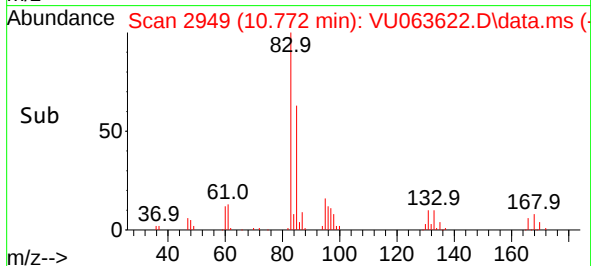
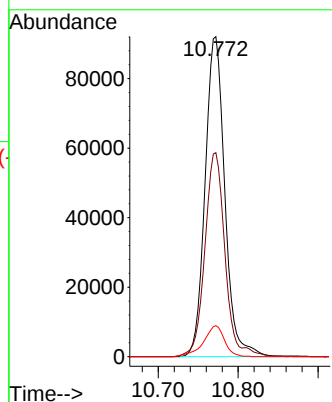
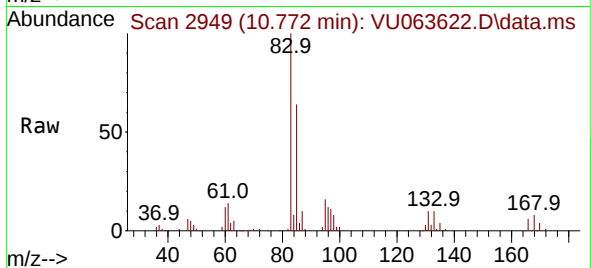




#57
1,1,2,2-Tetrachloroethane
Concen: 49.718 ug/L
RT: 10.772 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

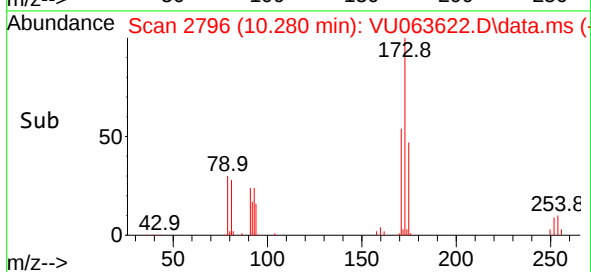
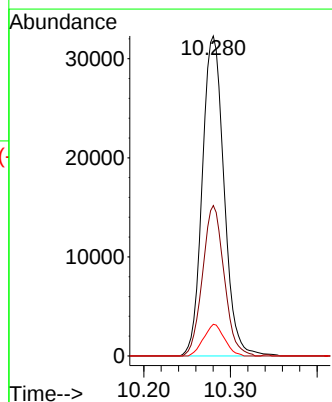
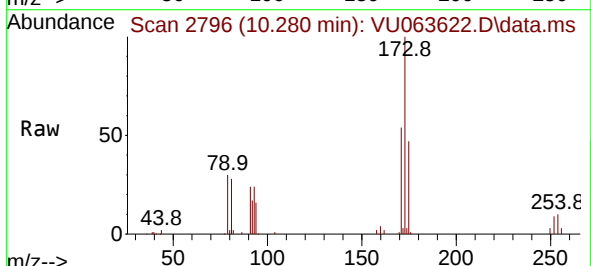
Instrument :
MSVOA_U
ClientSampleId :

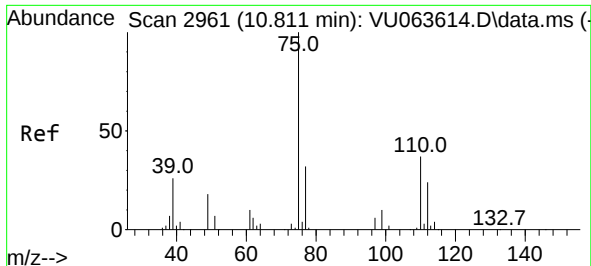
Tgt Ion:	83	Resp:	158213
Ion	Ratio	Lower	Upper
83	100		
85	63.8	46.0	85.4
131	9.7	7.4	11.2



#59
Bromoform
Concen: 45.766 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion:	173	Resp:	56194
Ion	Ratio	Lower	Upper
173	100		
175	46.7	39.3	58.9
254	9.5	6.2	9.4

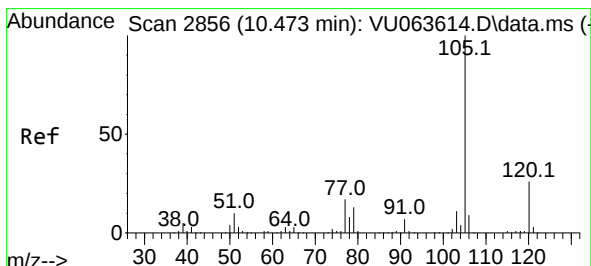
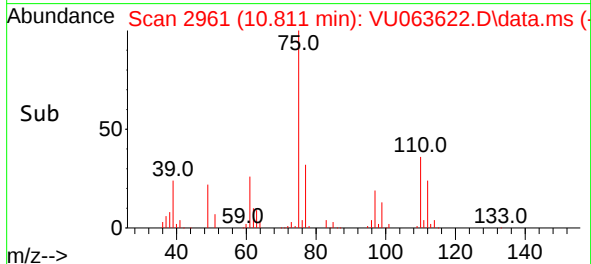
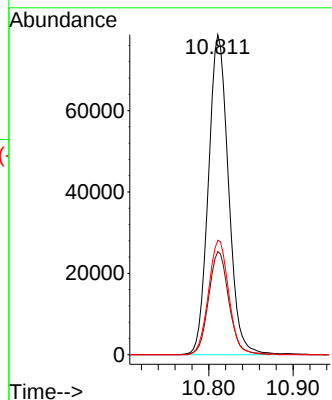
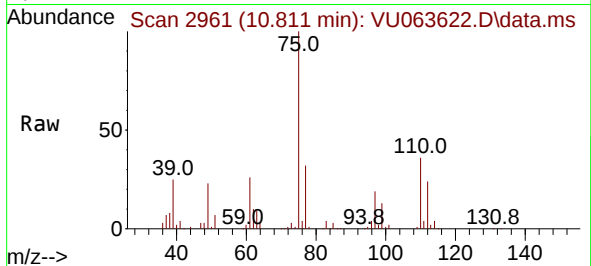




#60
1,2,3-Trichloropropane
Concen: 48.999 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

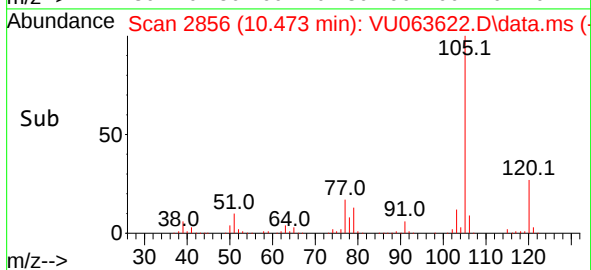
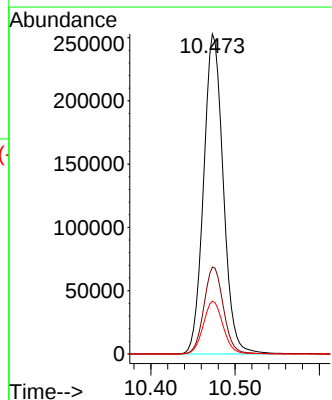
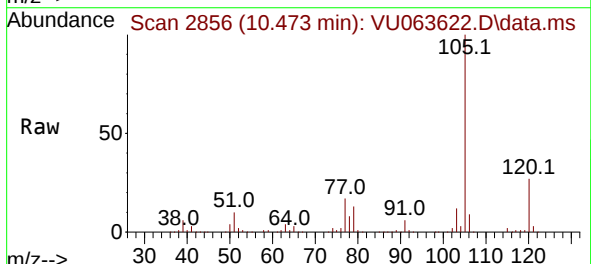
Instrument :
MSVOA_U
ClientSampleId :

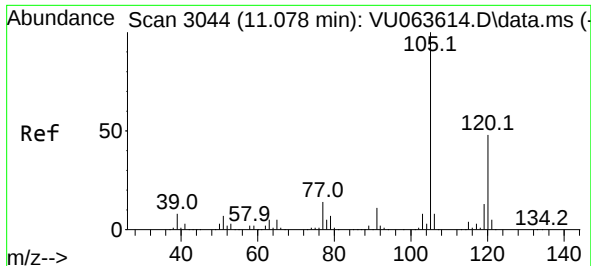
Tgt Ion: 75 Resp: 130256
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5
110 36.1 29.2 43.8



#61
Isopropylbenzene
Concen: 47.698 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion: 105 Resp: 410209
Ion Ratio Lower Upper
105 100
120 27.1 21.2 31.8
77 16.7 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 48.130 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

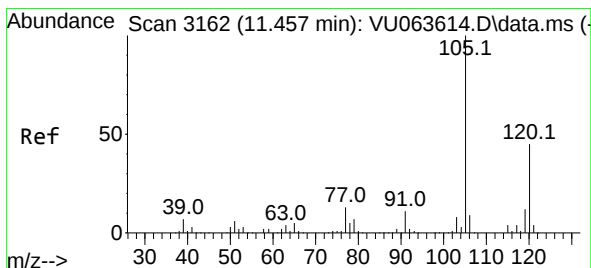
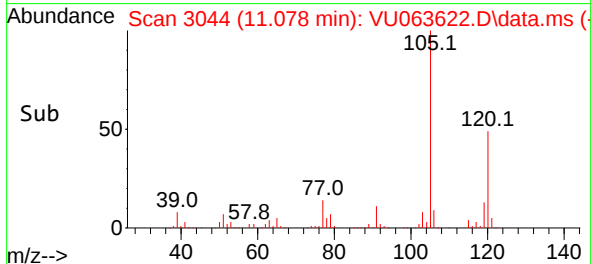
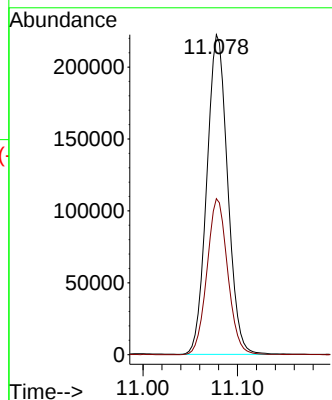
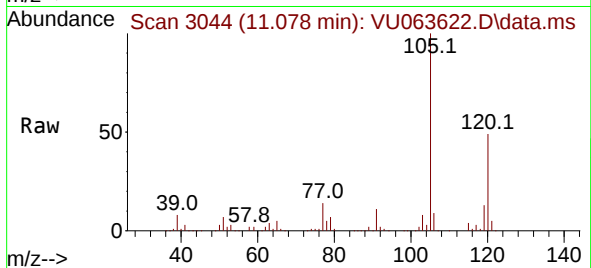
ClientSampleId :

Tgt Ion:105 Resp: 340412

Ion Ratio Lower Upper

105 100

120 48.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 47.992 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VU063622.D

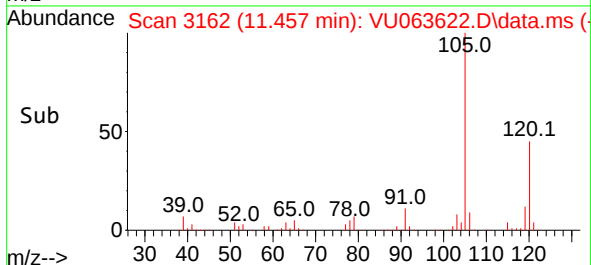
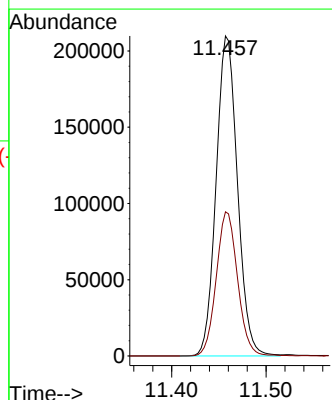
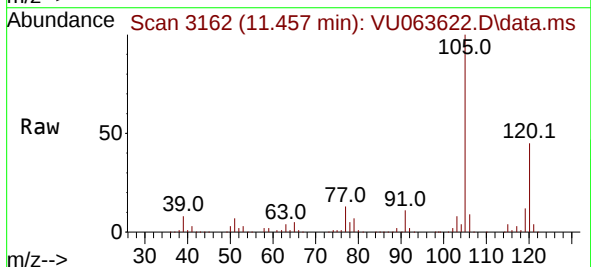
Acq: 22 Sep 2025 16:21

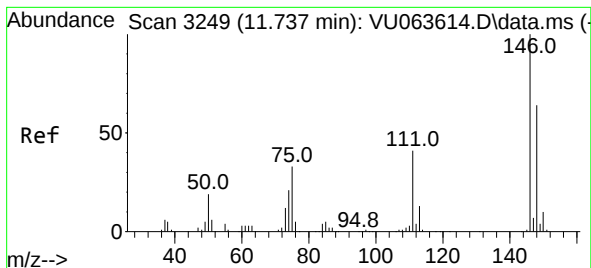
Tgt Ion:105 Resp: 329073

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 46.807 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

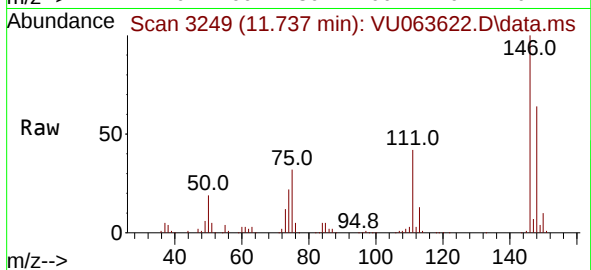
Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :



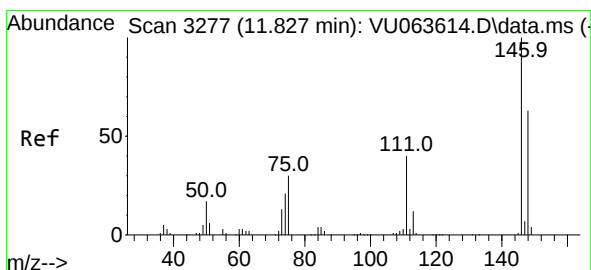
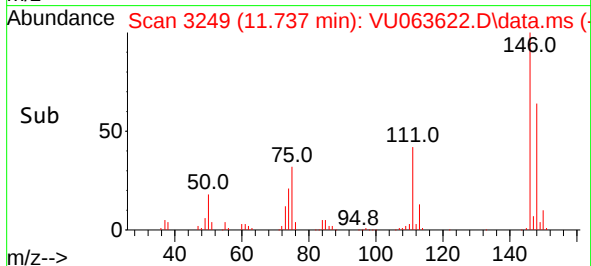
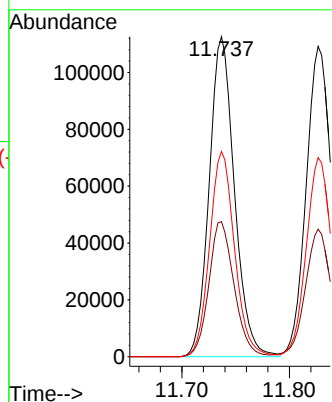
Tgt Ion:146 Resp: 183452

Ion Ratio Lower Upper

146 100

111 42.2 28.6 53.0

148 64.2 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 47.175 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

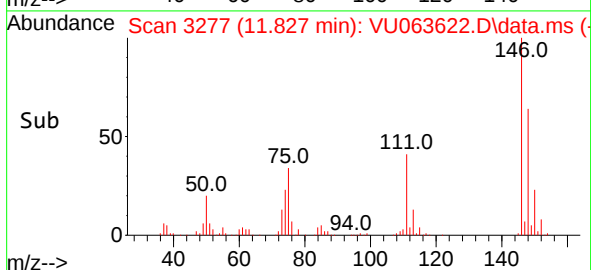
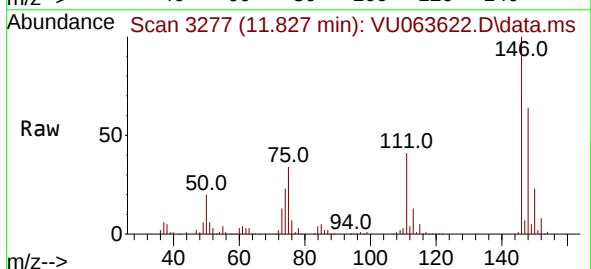
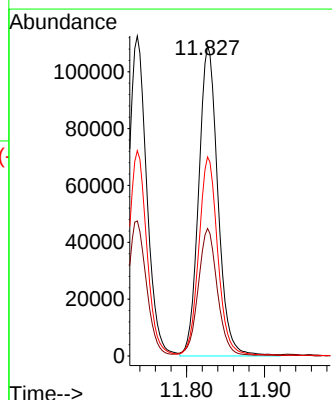
Tgt Ion:146 Resp: 187058

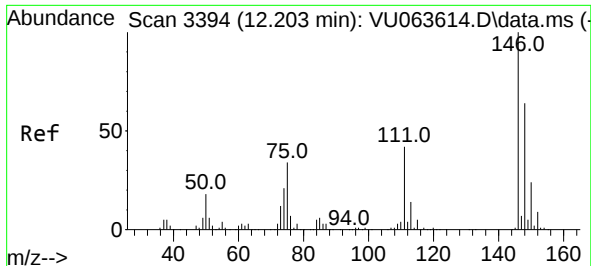
Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.9

148 64.2 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 47.339 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

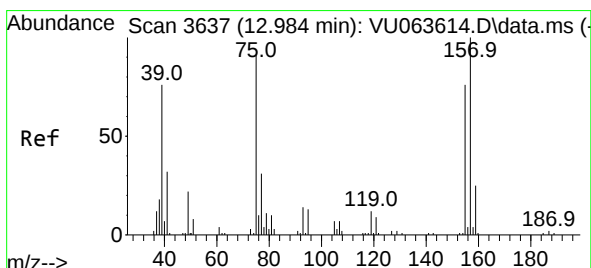
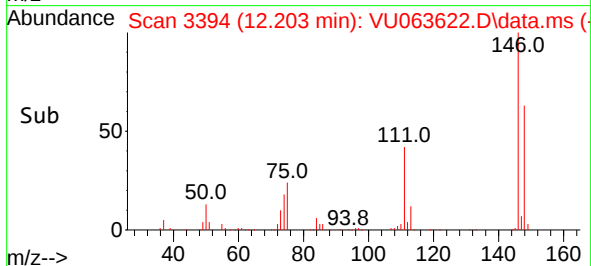
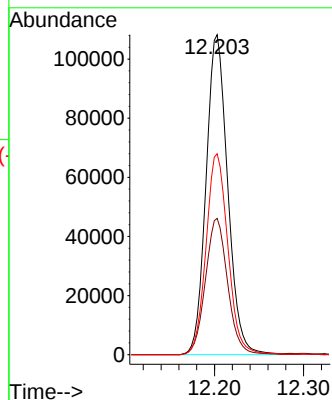
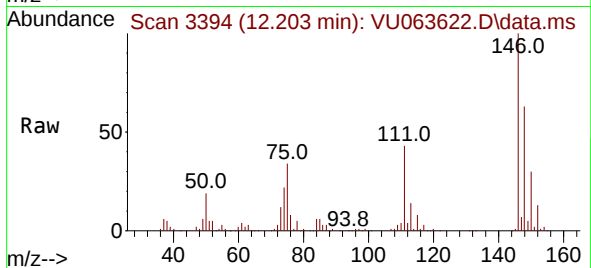
Tgt Ion:146 Resp: 182442

Ion Ratio Lower Upper

146 100

111 42.6 33.6 50.4

148 62.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.242 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.003 min

Lab File: VU063622.D

Acq: 22 Sep 2025 16:21

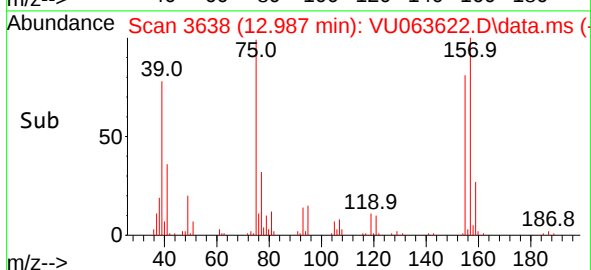
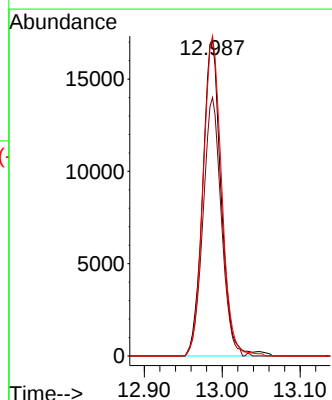
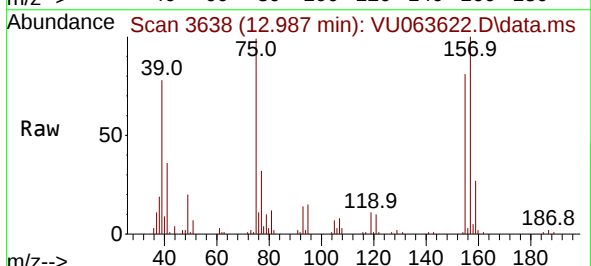
Tgt Ion: 75 Resp: 28166

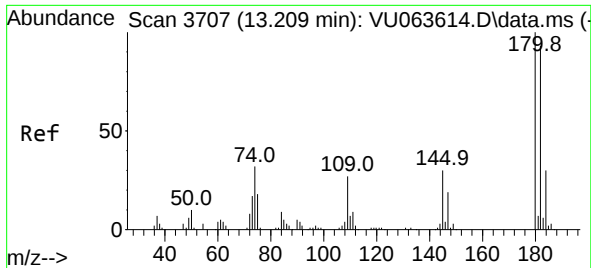
Ion Ratio Lower Upper

75 100

155 81.7 66.6 99.8

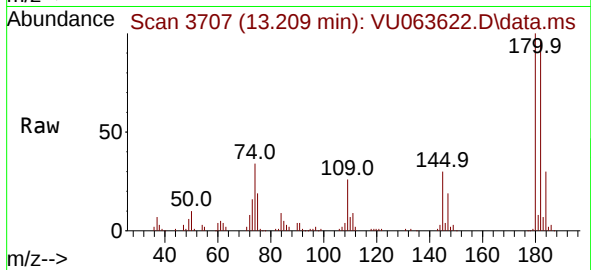
157 101.2 87.6 131.4





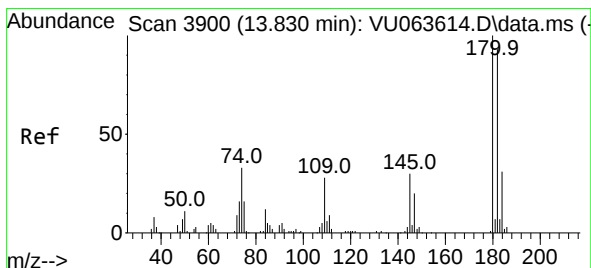
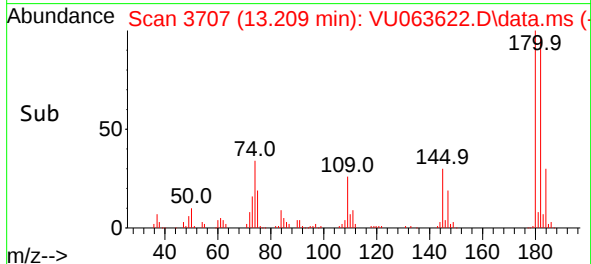
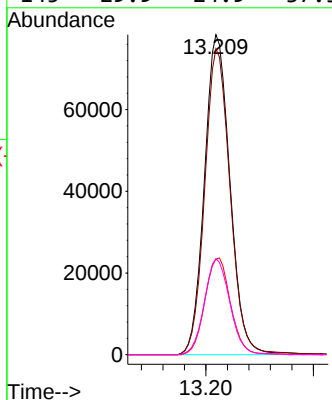
#69
 1,3,5-Trichlorobenzene
 Concen: 47.015 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 128823

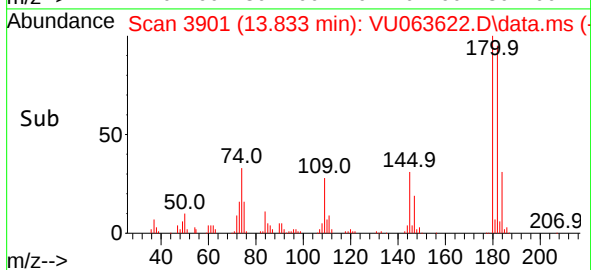
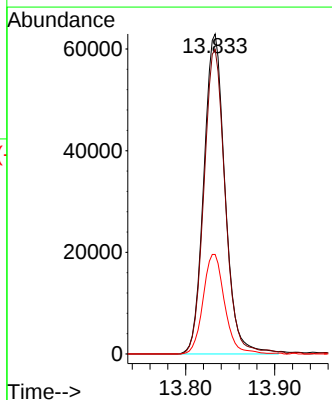
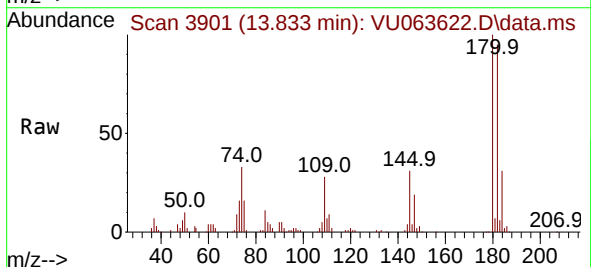
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
184	30.4	24.4	36.6
145	29.9	24.9	37.3

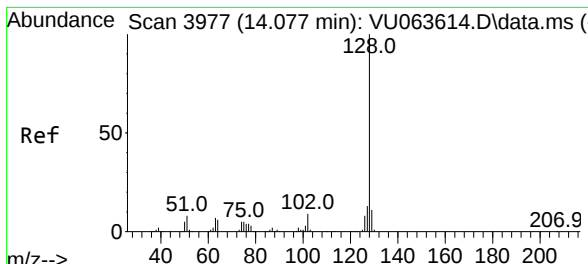


#70
 1,2,4-trichlorobenzene
 Concen: 46.078 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.003 min
 Lab File: VU063622.D
 Acq: 22 Sep 2025 16:21

Tgt Ion:180 Resp: 104238

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.4	113.0
145	31.5	24.6	37.0

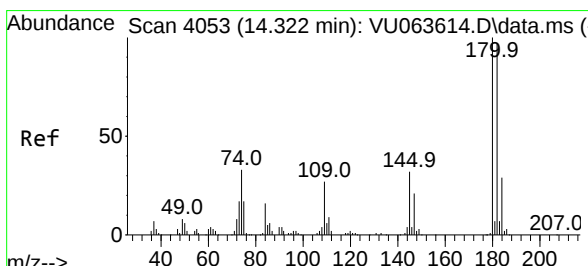
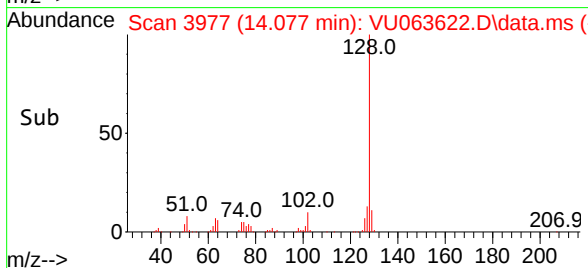
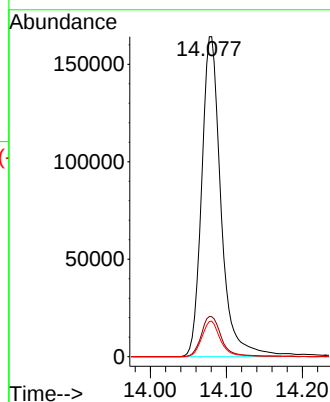
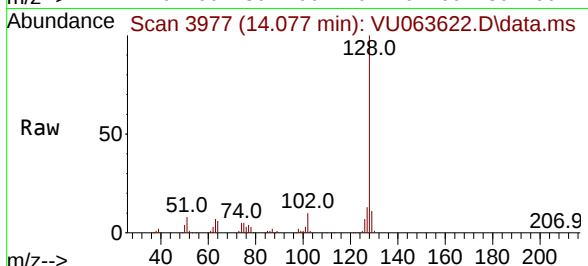




#71
Naphthalene
Concen: 47.214 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp: 290195
Ion Ratio	Lower Upper
128	100
127	13.0 10.2 15.4
129	10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 47.335 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063622.D
Acq: 22 Sep 2025 16:21

Tgt Ion:180	Resp: 102634
Ion Ratio	Lower Upper
180	100
182	93.4 77.4 116.2
145	32.8 25.9 38.9

