

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091825\
 Data File : VU063610.D
 Acq On : 18 Sep 2025 14:13
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

Quant Time: Sep 19 06:35:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 19 06:13:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	151825	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	142341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72524	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34168	4.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.901	69	33538	4.470	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.554	65	17144	4.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	4.615	46	111745	49.751	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	5.049	84	86411	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.692	65	45413	4.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.714	84	156003	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	51993	4.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.888	98	143431	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.171	79	15007	4.955	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.624	63	76626	48.027	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.060%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	41778	4.684	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	53441	4.743	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	59201	4.900	ug/L	99
3) Chloromethane	1.515	50	65364	4.887	ug/L	98
5) Vinyl chloride	1.596	62	71969	5.028	ug/L	98
6) Bromomethane	1.840	94	39986	4.728	ug/L	99
8) Chloroethane	1.920	64	43890	4.968	ug/L	99
9) Trichlorofluoromethane	2.126	101	94380	5.039	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	53014	5.004	ug/L	97
12) 1,1-Dichloroethene	2.570	96	49931	5.085	ug/L	87
13) Acetone	2.615	43	119510	60.579	ug/L	98
14) Carbon disulfide	2.779	76	138975	5.356	ug/L	99
15) Methyl Acetate	2.940	43	22559	5.049	ug/L	98
16) Methylene chloride	3.030	84	59328	5.162	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	123008	5.081	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	52268	5.151	ug/L	97
19) 1,1-Dichloroethane	3.853	63	106664	5.161	ug/L	99
21) 2-Butanone	4.692	43	146173	51.074	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	59406	5.148	ug/L	97
23) Bromochloromethane	4.962	128	26586	5.201	ug/L	96
25) Chloroform	5.075	83	108728	5.132	ug/L	99

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 Quant Title : TRACE VOA SFAM1.0
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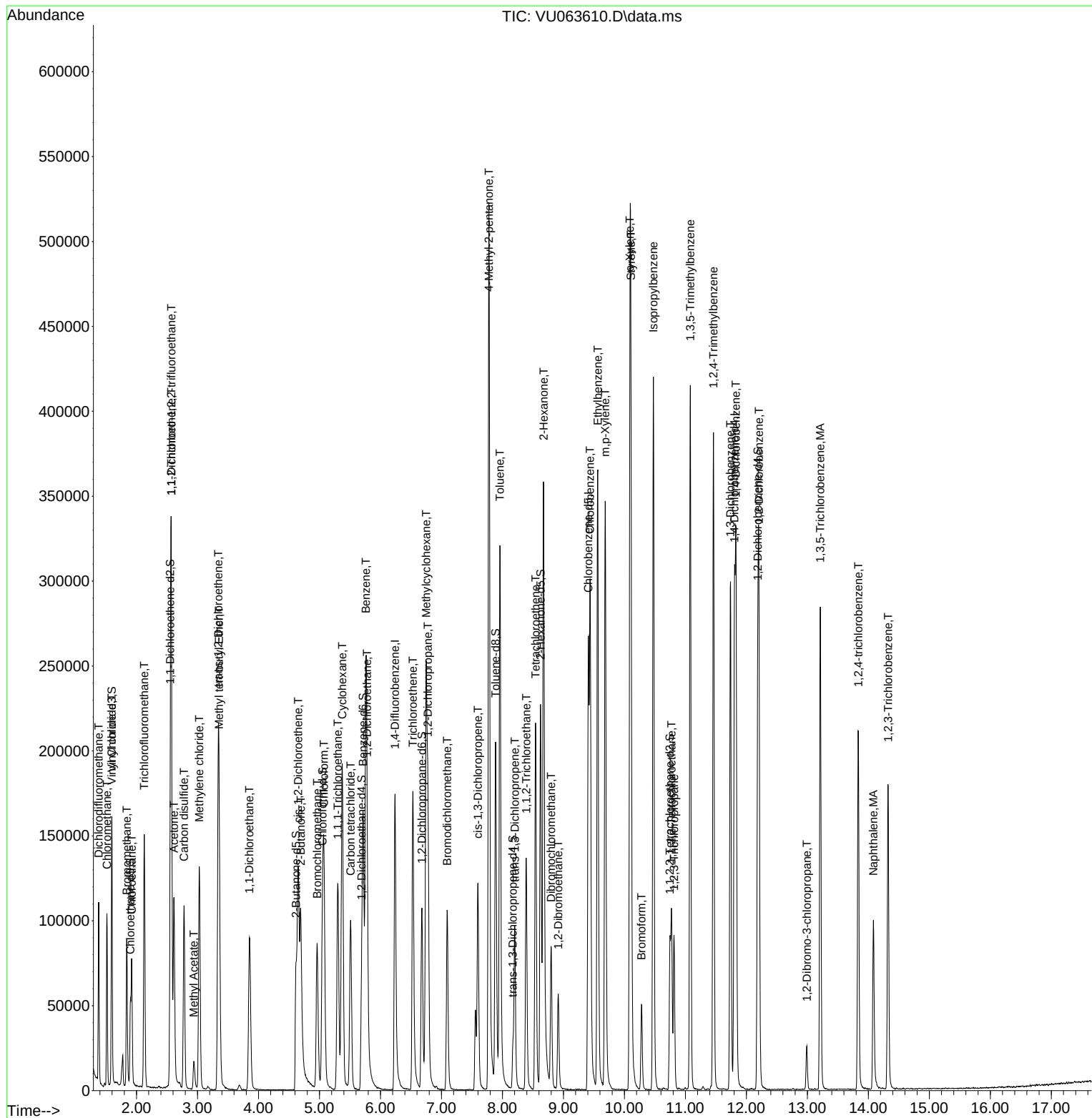
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	71768	5.111	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	86743	5.318	ug/L	99
30) Cyclohexane	5.374	56	98463	5.117	ug/L	98
31) Carbon tetrachloride	5.512	117	67074	5.252	ug/L	98
33) Benzene	5.763	78	232274	5.222	ug/L	100
34) Trichloroethene	6.531	95	63252	5.185	ug/L	99
35) Methylcyclohexane	6.750	83	93611	5.031	ug/L	99
37) 1,2-Dichloropropane	6.779	63	63591	5.277	ug/L	100
38) Bromodichloromethane	7.094	83	70151	5.443	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	73273	5.362	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	359574	52.134	ug/L	99
42) Toluene	7.959	91	248202	5.202	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	53901	5.369	ug/L	96
45) 1,1,2-Trichloroethane	8.390	97	44104	5.346	ug/L	96
47) Tetrachloroethene	8.544	164	47014	5.048	ug/L	95
48) 2-Hexanone	8.676	43	257525	53.227	ug/L	98
49) Dibromochloromethane	8.798	129	40602	5.383	ug/L	99
50) 1,2-Dibromoethane	8.914	107	39027	5.303	ug/L	95
51) Chlorobenzene	9.438	112	158088	5.117	ug/L	98
52) Ethylbenzene	9.563	91	272188	5.183	ug/L	99
53) m,p-Xylene	9.685	106	102711	5.214	ug/L	99
54) o-Xylene	10.090	106	101388	5.318	ug/L	97
55) Styrene	10.106	104	163063	5.214	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	50905	5.165	ug/L	99
59) Bromoform	10.280	173	22290	5.677	ug/L	97
60) Isopropylbenzene	10.476	105	272688	5.227	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	36164	5.031	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	223461	5.267	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	212755	5.252	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	119811	5.125	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	119753	5.073	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	109967	5.039	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	6367	5.736	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	86169	4.925	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	64469	4.774	ug/L	99
71) Naphthalene	14.084	128	86612	4.286	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	54986	4.743	ug/L	96

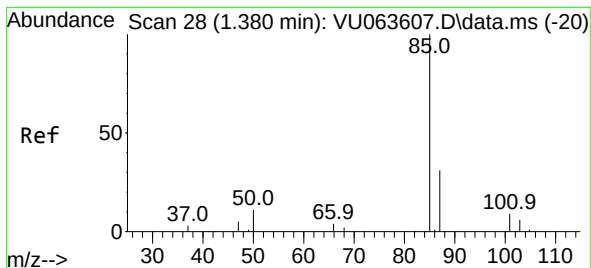
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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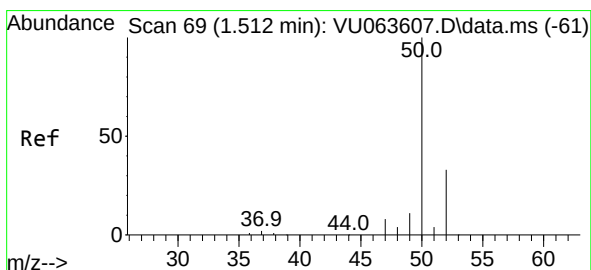
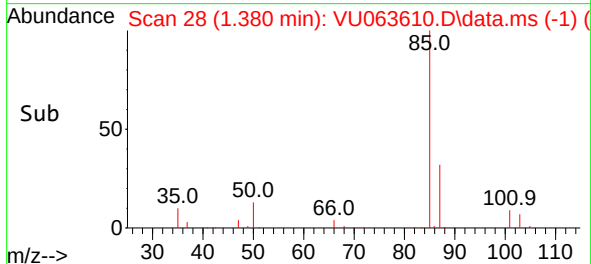
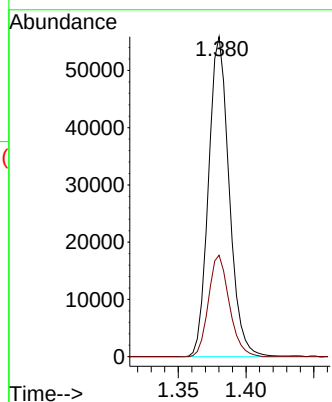
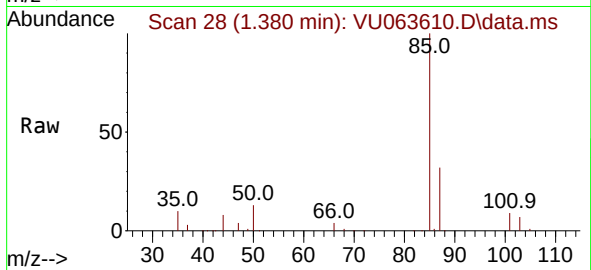




#2
 Dichlorodifluoromethane
 Concen: 4.900 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

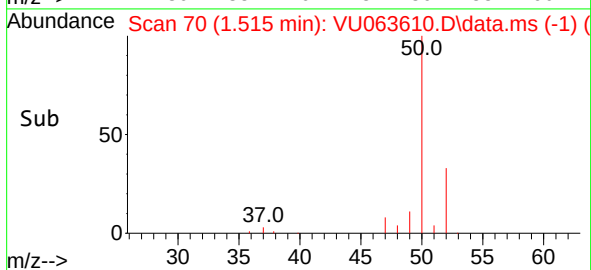
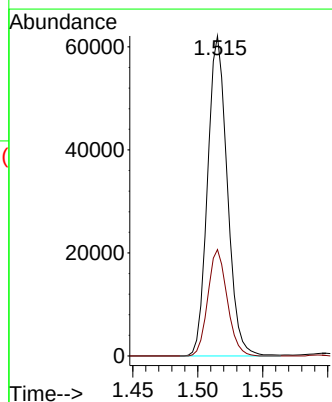
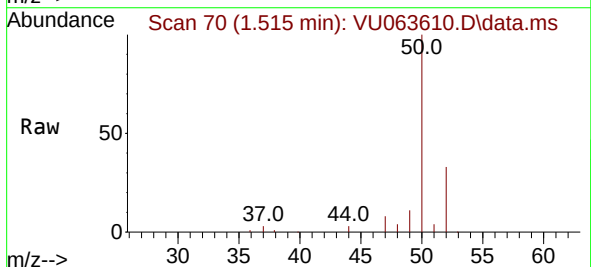
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

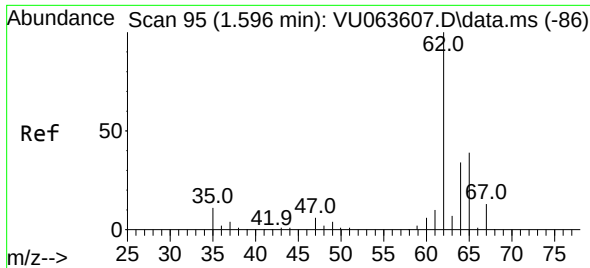
Tgt Ion: 85 Resp: 59201
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 4.887 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

Tgt Ion: 50 Resp: 65364
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.6 42.0

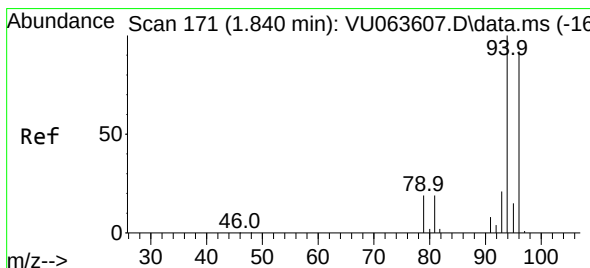
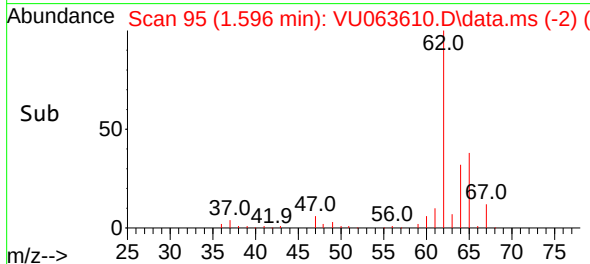
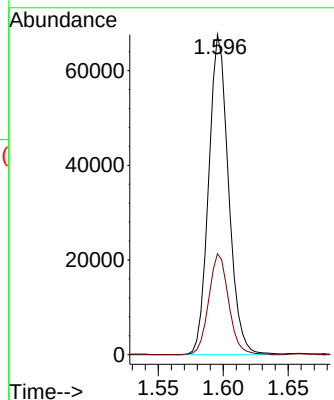
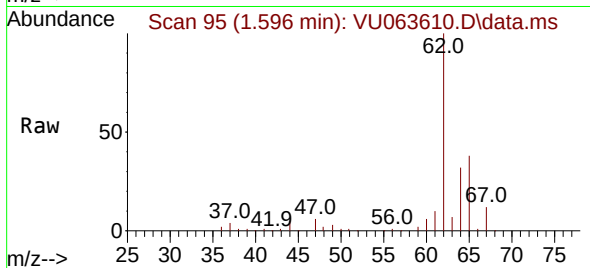




#5
 Vinyl chloride
 Concen: 5.028 ug/L
 RT: 1.596 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

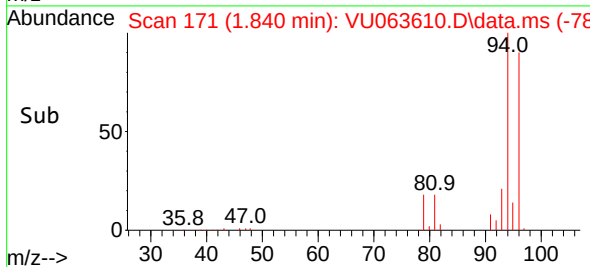
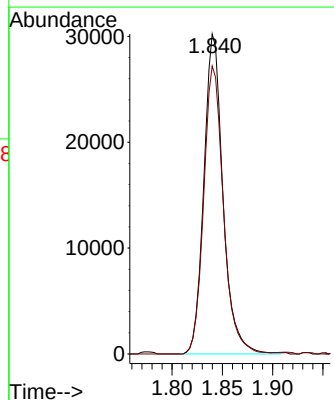
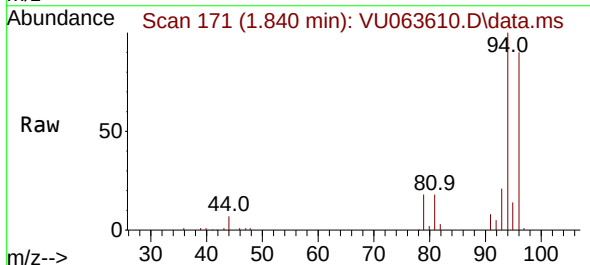
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

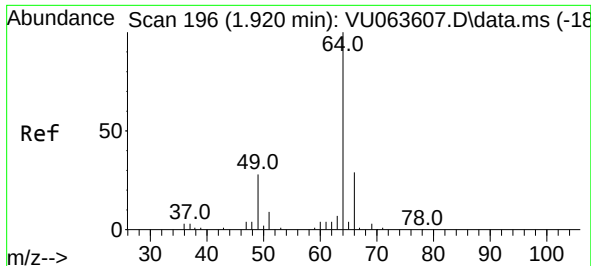
Tgt Ion: 62 Resp: 71969
 Ion Ratio Lower Upper
 62 100
 64 31.6 21.5 39.9



#6
 Bromomethane
 Concen: 4.728 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

Tgt Ion: 94 Resp: 39986
 Ion Ratio Lower Upper
 94 100
 96 90.0 62.4 116.0

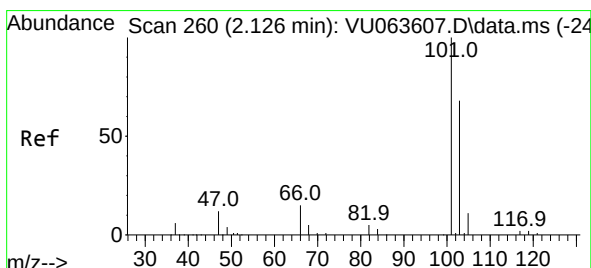
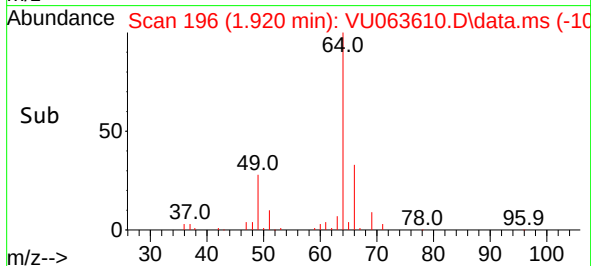
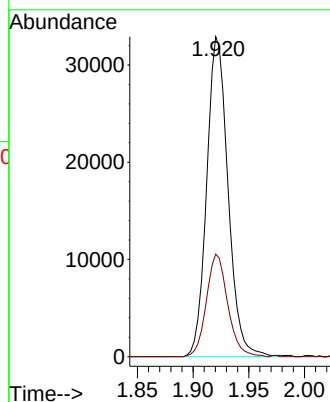
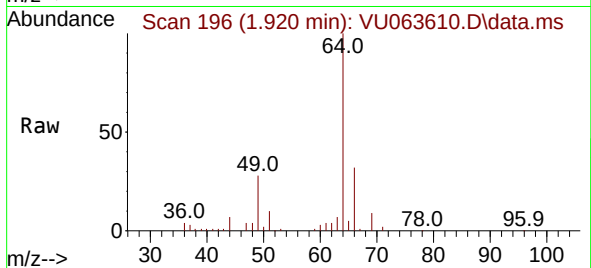




#8
Chloroethane
Concen: 4.968 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

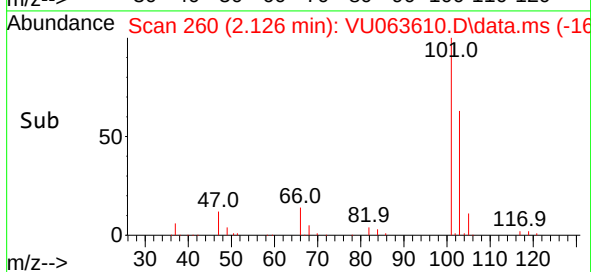
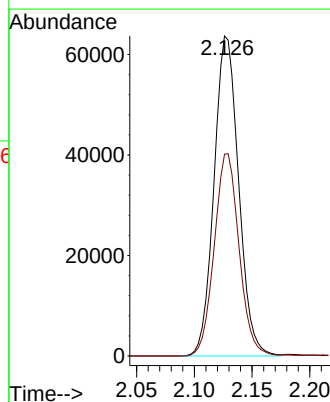
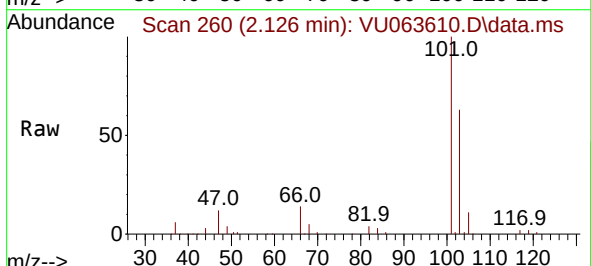
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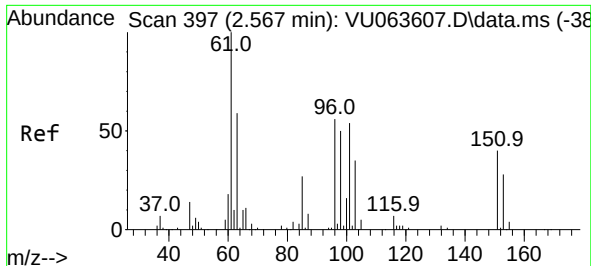
Tgt Ion: 64 Resp: 43890
Ion Ratio Lower Upper
64 100
66 32.1 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.039 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:101 Resp: 94380
Ion Ratio Lower Upper
101 100
103 63.9 52.8 79.2

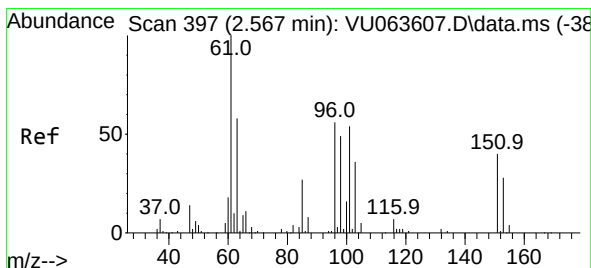
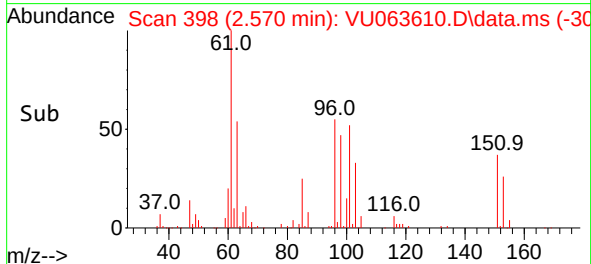
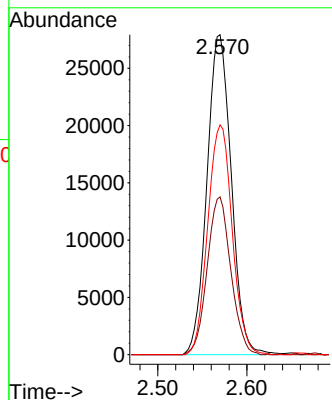
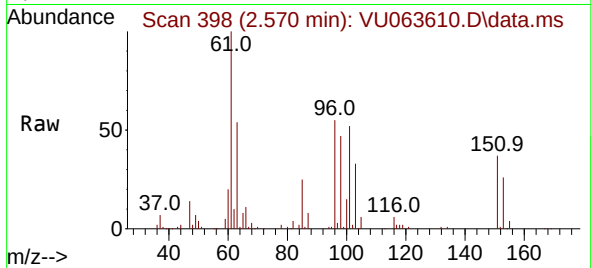




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.004 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063610.D
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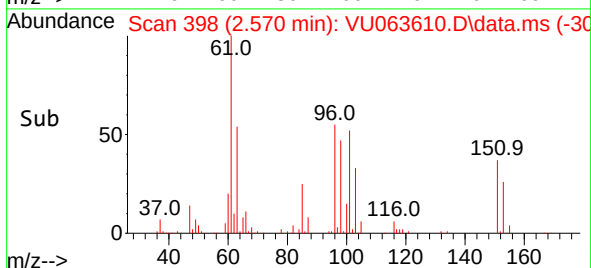
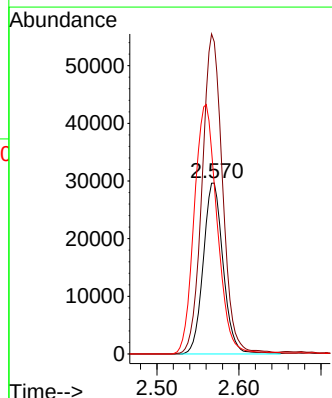
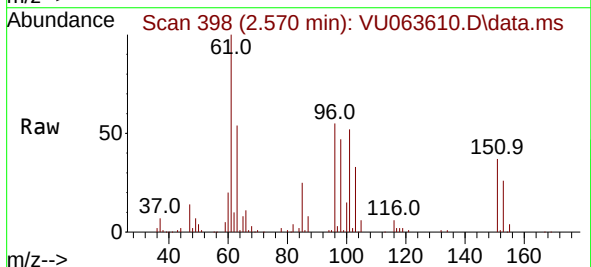
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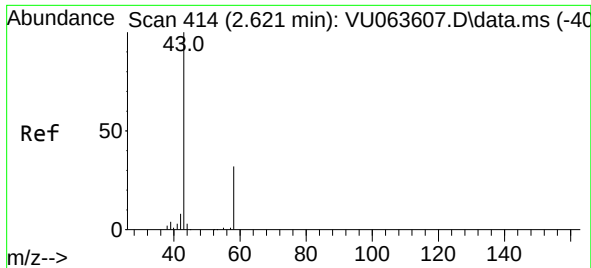
Tgt Ion: 101 Resp: 53014
 Ion Ratio Lower Upper
 101 100
 85 47.9 36.4 54.6
 151 72.1 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 5.085 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

Tgt Ion: 96 Resp: 49931
 Ion Ratio Lower Upper
 96 100
 61 182.6 132.4 245.8
 63 98.9 89.0 165.4





#13

Acetone

Concen: 60.579 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

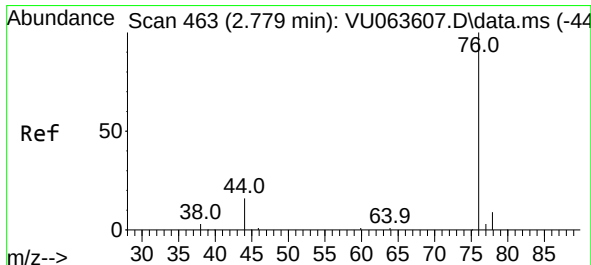
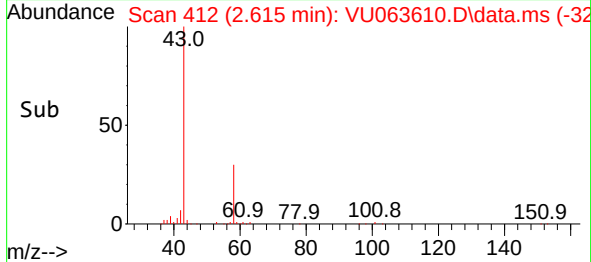
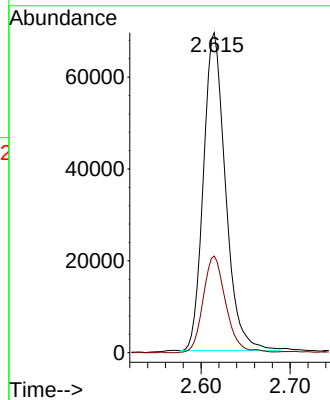
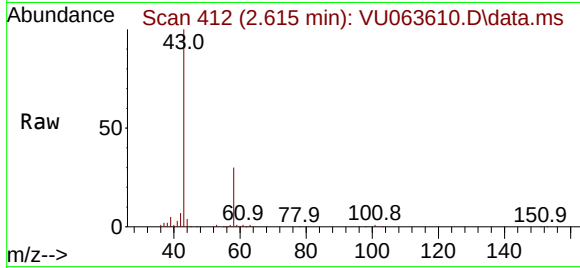
VSTD005147

Tgt Ion: 43 Resp: 119510

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.6



#14

Carbon disulfide

Concen: 5.356 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063610.D

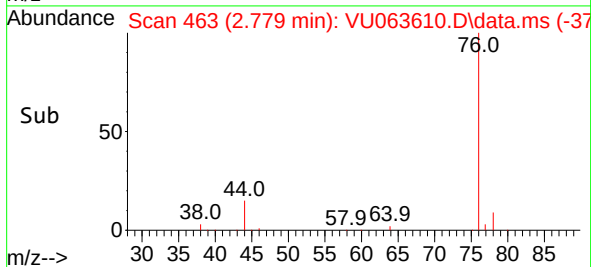
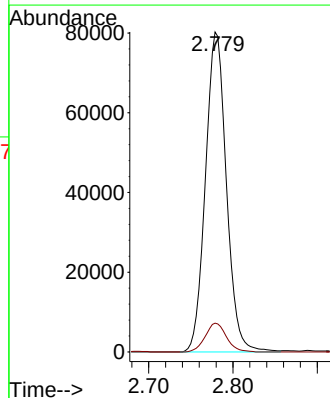
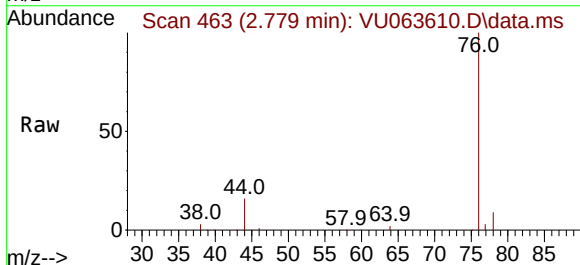
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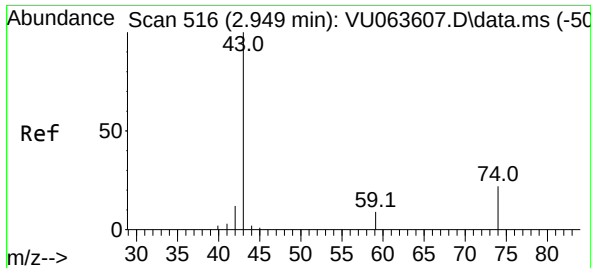
Tgt Ion: 76 Resp: 138975

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

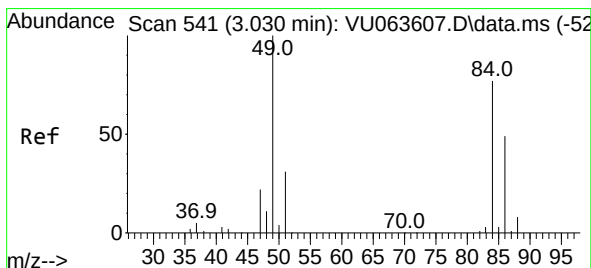
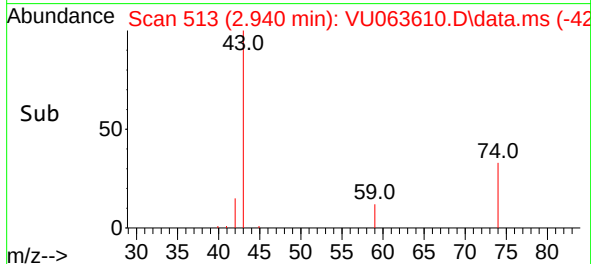
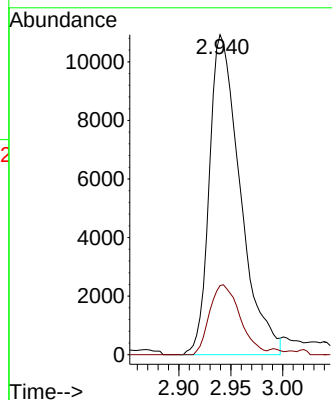
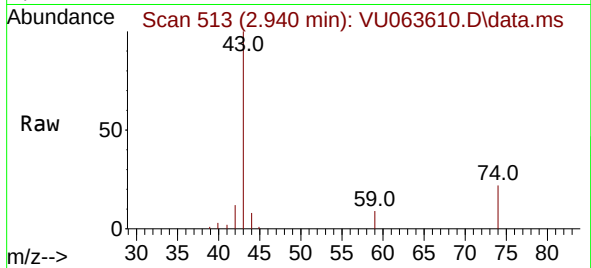




#15
Methyl Acetate
Concen: 5.049 ug/L
RT: 2.940 min Scan# 516
Delta R.T. -0.010 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

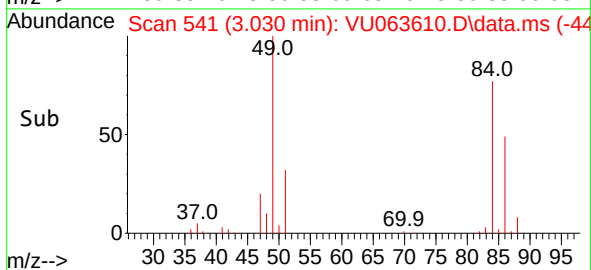
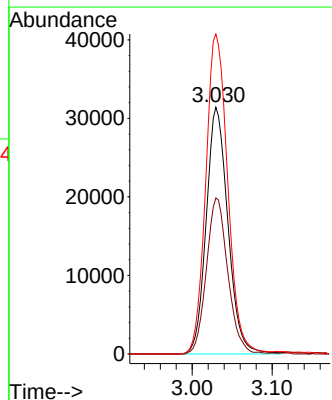
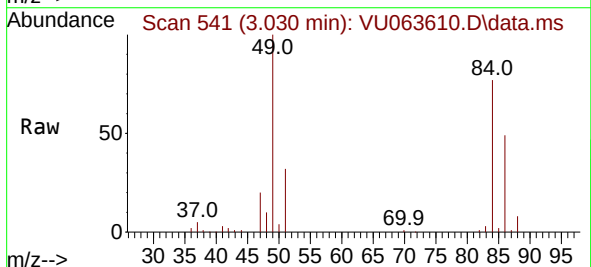
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

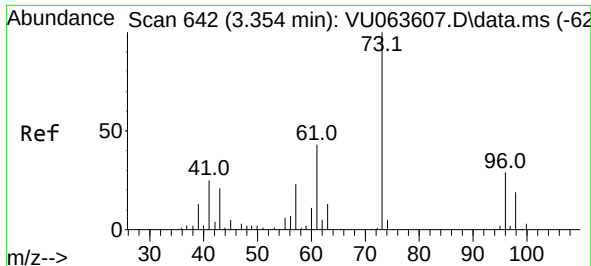
Tgt Ion: 43 Resp: 22559
Ion Ratio Lower Upper
43 100
74 21.5 18.2 27.2



#16
Methylene chloride
Concen: 5.162 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 84 Resp: 59328
Ion Ratio Lower Upper
84 100
86 63.2 43.1 80.1
49 129.7 90.6 168.2

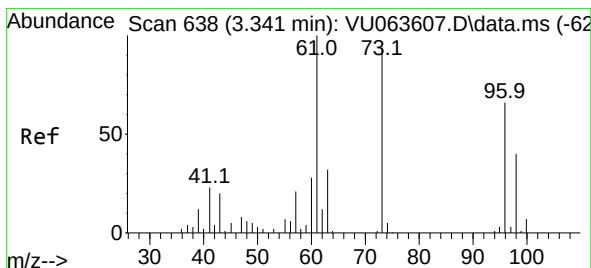
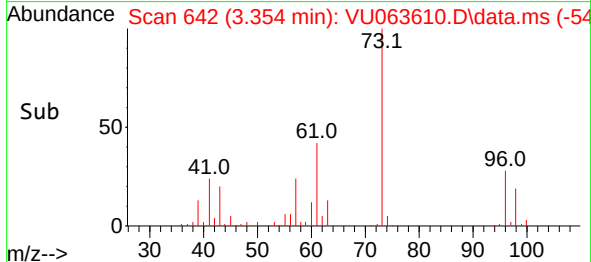
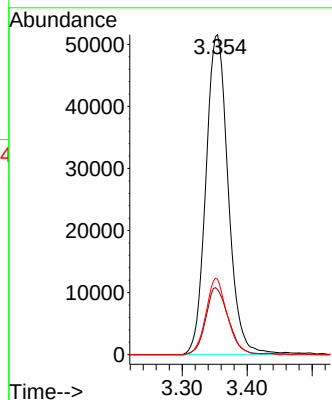
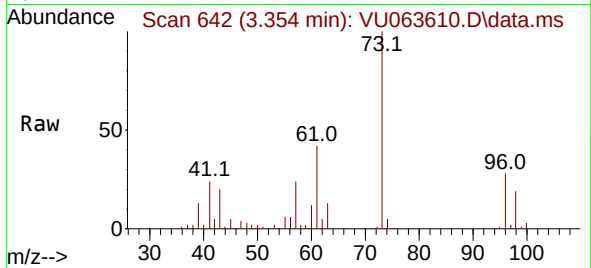




#17
Methyl tert-butyl Ether
Concen: 5.081 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

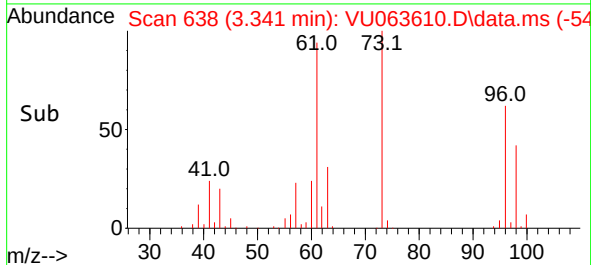
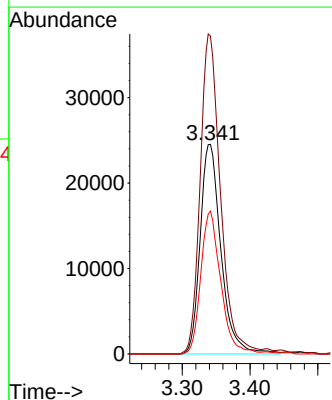
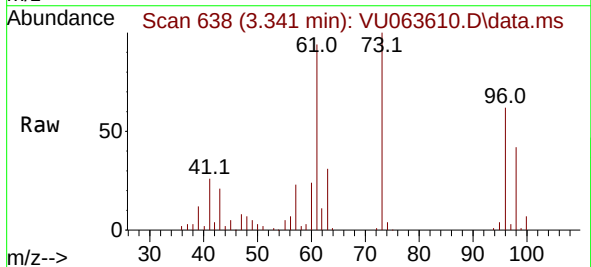
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

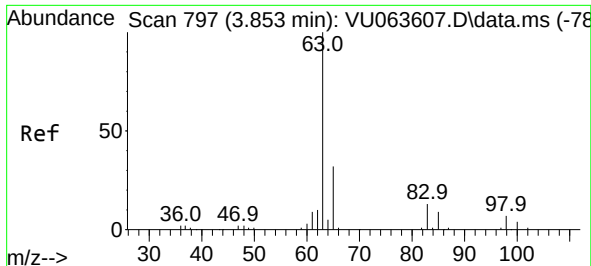
Tgt Ion: 73 Resp: 123008
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.4
57 23.0 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.151 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 96 Resp: 52268
Ion Ratio Lower Upper
96 100
61 151.7 104.9 194.7
98 68.2 44.3 82.3





#19

1,1-Dichloroethane

Concen: 5.161 ug/L

RT: 3.853 min Scan# 79

Delta R.T. -0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

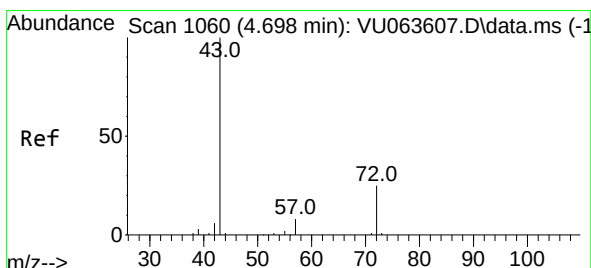
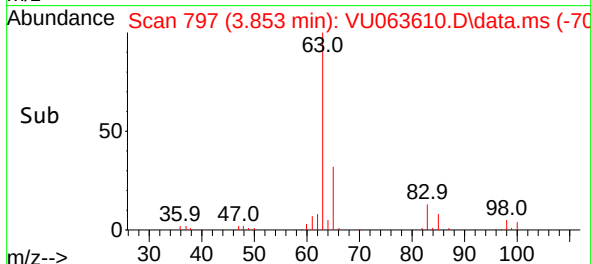
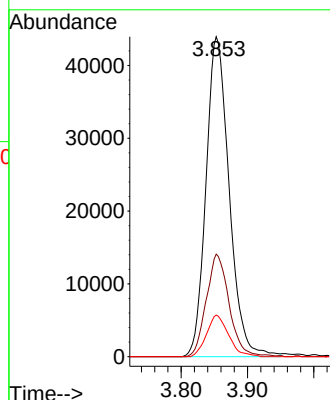
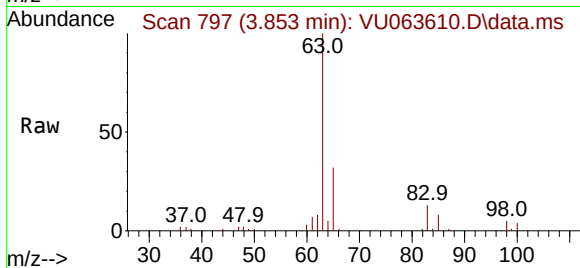
Tgt Ion: 63 Resp: 106664

Ion Ratio Lower Upper

63 100

65 32.1 22.1 41.1

83 13.0 9.7 17.9



#21

2-Butanone

Concen: 51.074 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.006 min

Lab File: VU063610.D

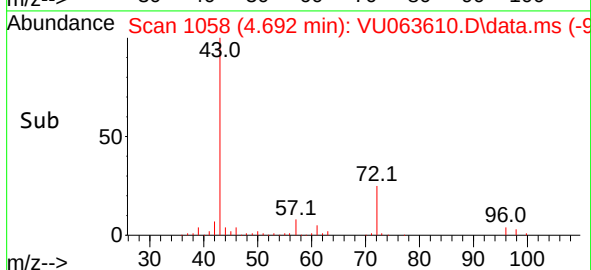
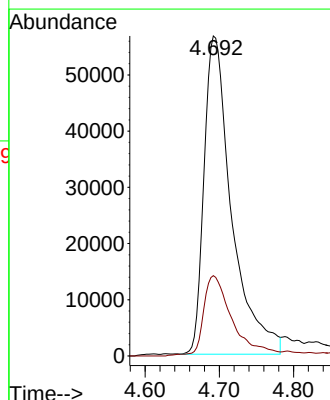
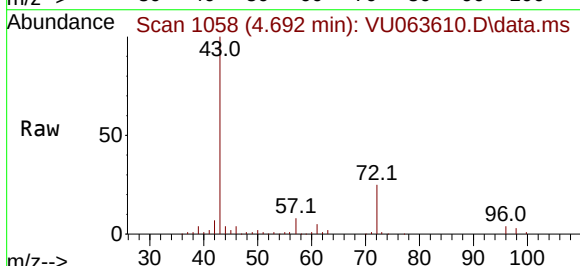
Acq: 18 Sep 2025 14:13

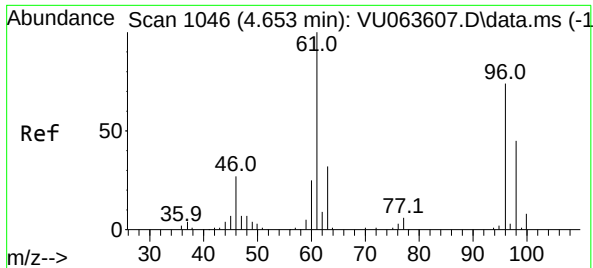
Tgt Ion: 43 Resp: 146173

Ion Ratio Lower Upper

43 100

72 26.3 11.9 35.7

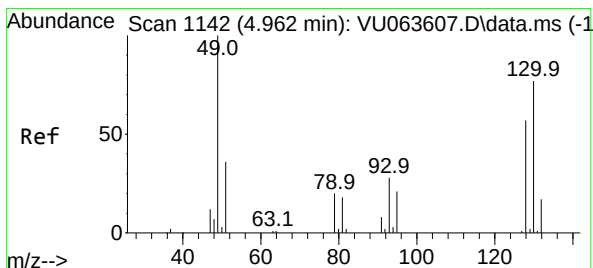
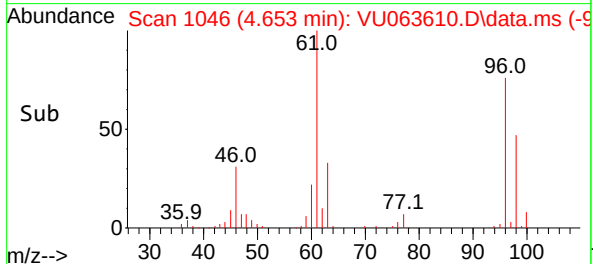
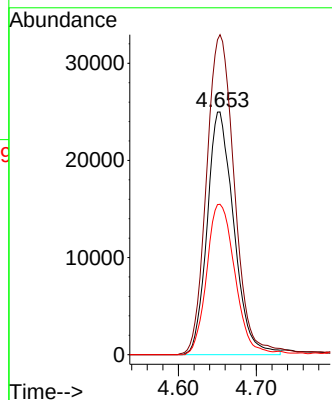
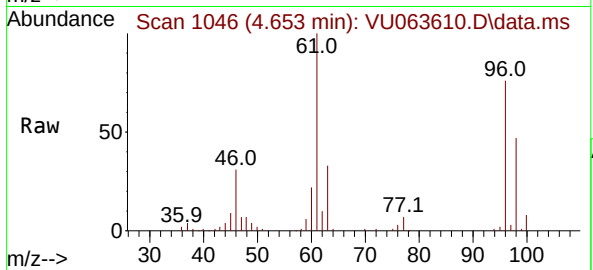




#22
 cis-1,2-Dichloroethene
 Concen: 5.148 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

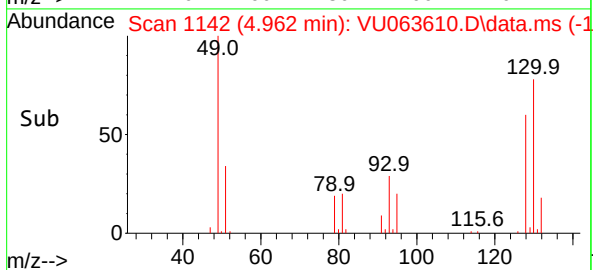
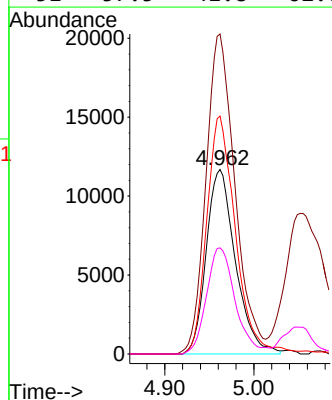
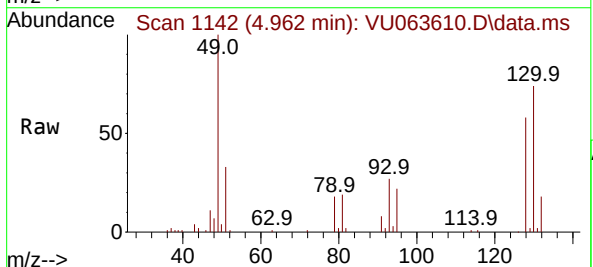
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

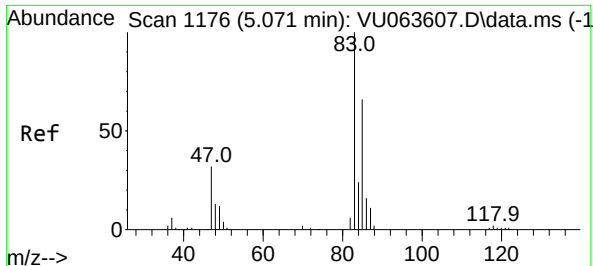
Tgt Ion: 96	Resp: 59406
Ion Ratio	Lower Upper
96 100	
61 131.8	95.8 177.8
98 62.0	43.5 80.9



#23
 Bromochloromethane
 Concen: 5.201 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

Tgt Ion: 128	Resp: 26586
Ion Ratio	Lower Upper
128 100	
49 173.4	118.4 219.8
130 129.0	87.6 162.6
51 57.5	41.8 62.6





#25

Chloroform

Concen: 5.132 ug/L

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

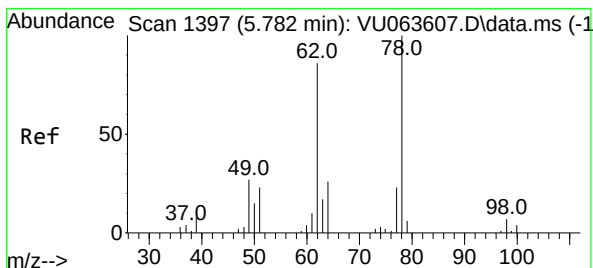
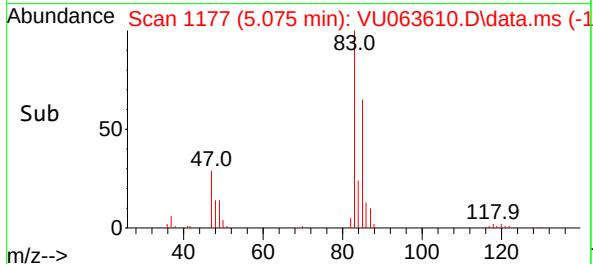
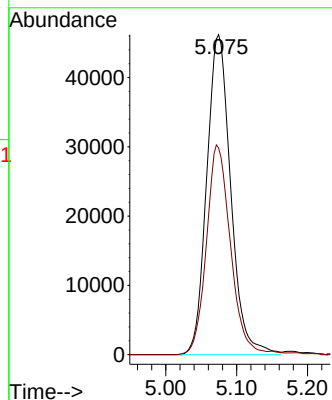
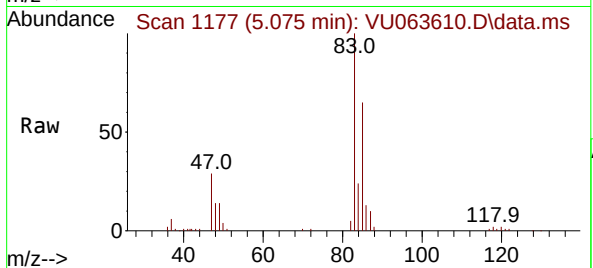
VSTD005147

Tgt Ion: 83 Resp: 108728

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.111 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU063610.D

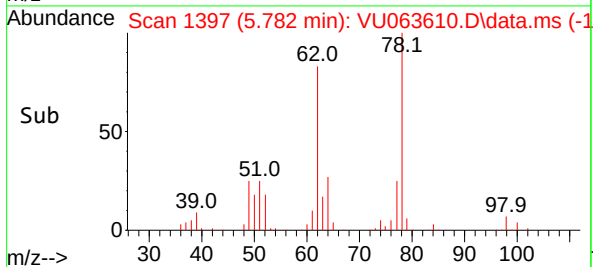
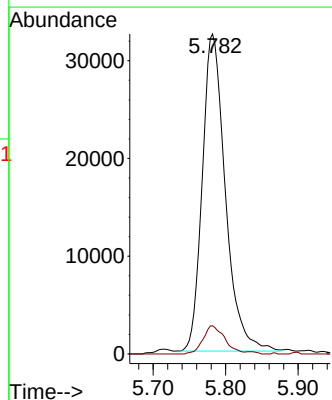
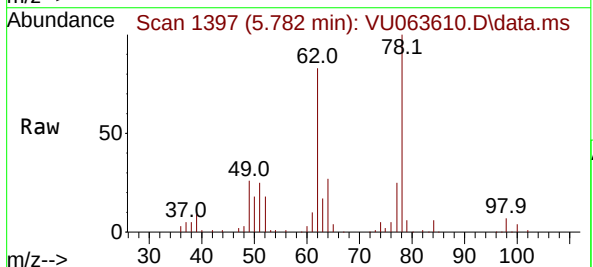
Acq: 18 Sep 2025 14:13

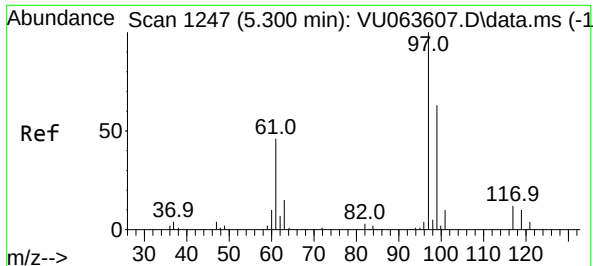
Tgt Ion: 62 Resp: 71768

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4



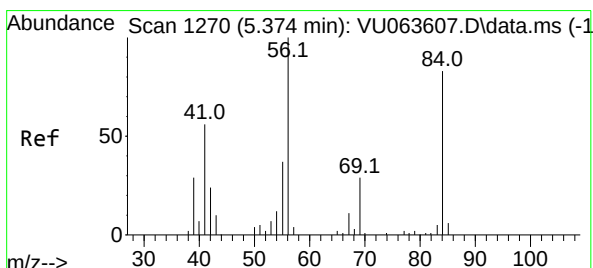
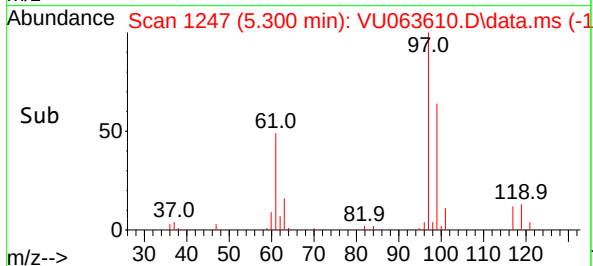
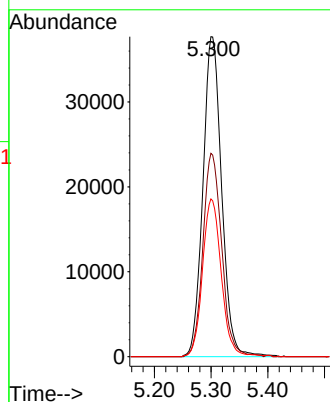
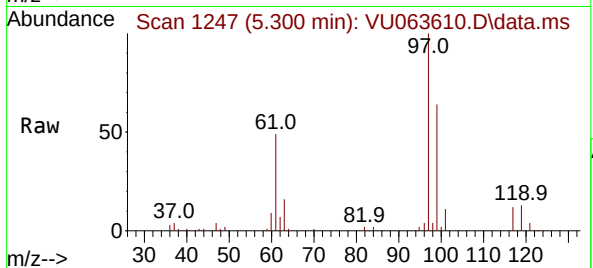


#29
1,1,1-Trichloroethane
Concen: 5.318 ug/L
RT: 5.300 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Tgt Ion: 97 Resp: 86743

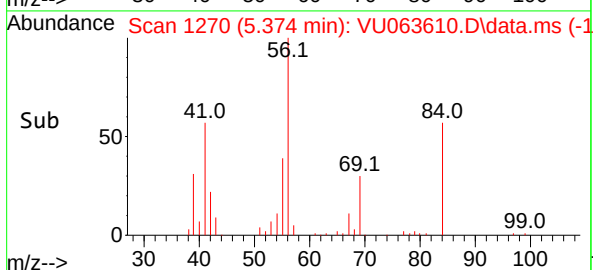
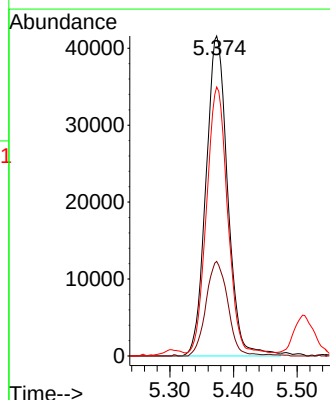
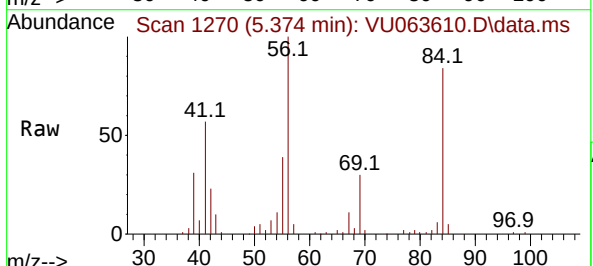
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	49.3	39.9	59.9

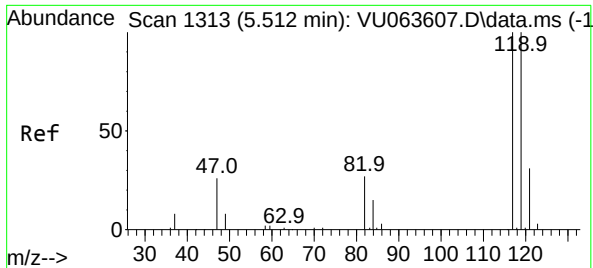


#30
Cyclohexane
Concen: 5.117 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 56 Resp: 98463

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.2	34.8
84	82.9	65.0	97.4

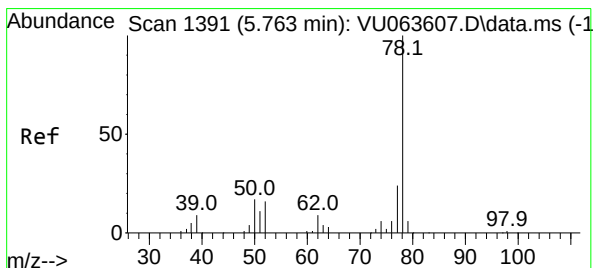
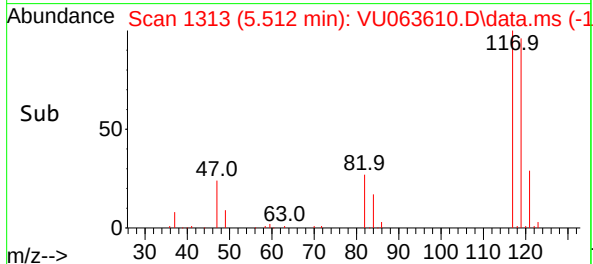
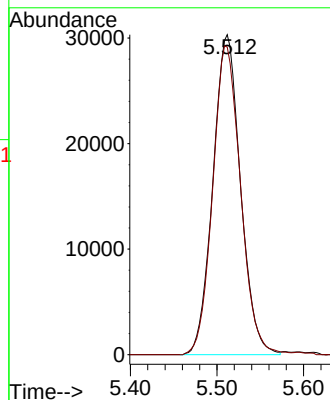
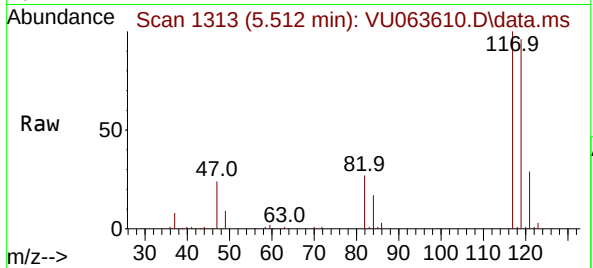




#31
Carbon tetrachloride
Concen: 5.252 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

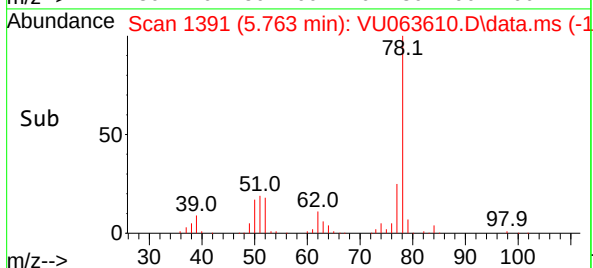
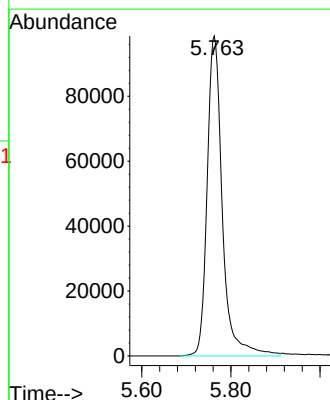
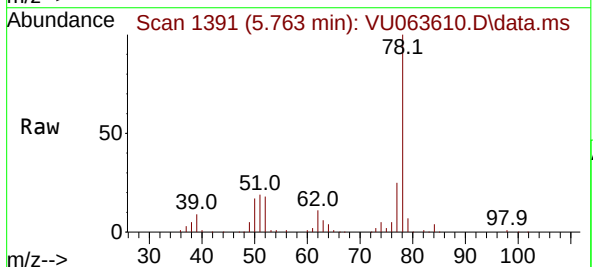
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

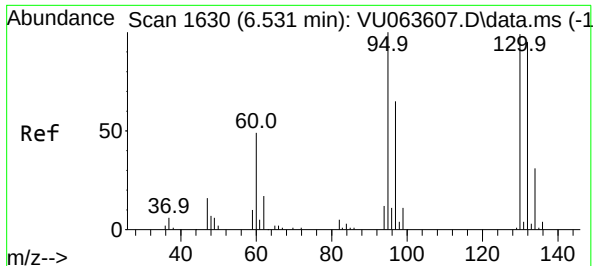
Tgt Ion:117 Resp: 67074
Ion Ratio Lower Upper
117 100
119 97.6 76.8 115.2



#33
Benzene
Concen: 5.222 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 78 Resp: 232274

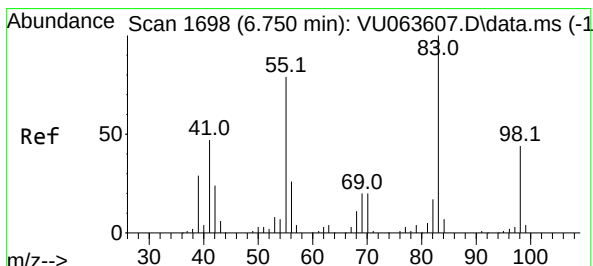
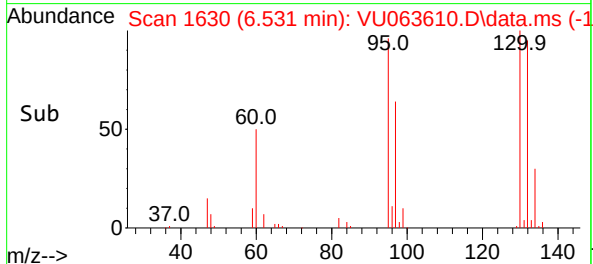
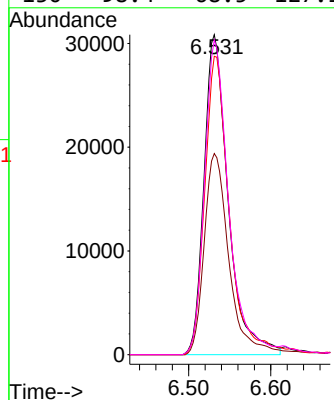
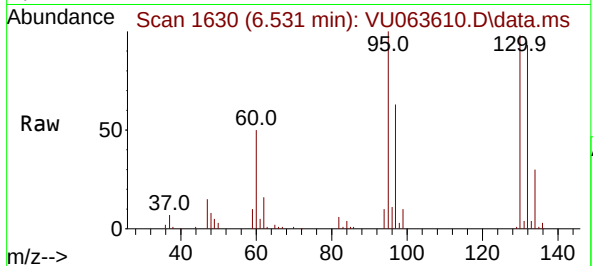




#34
Trichloroethene
Concen: 5.185 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

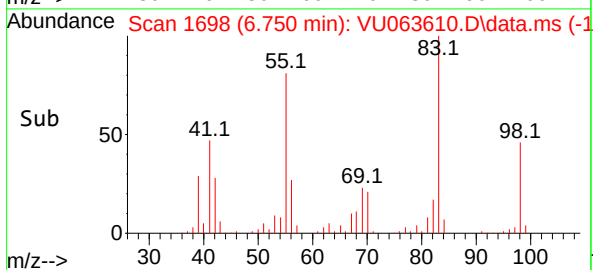
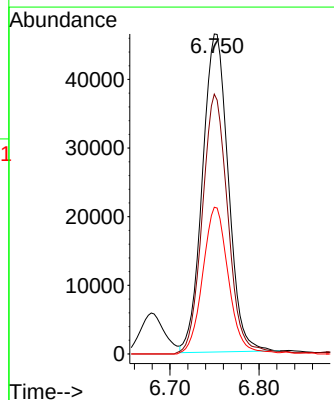
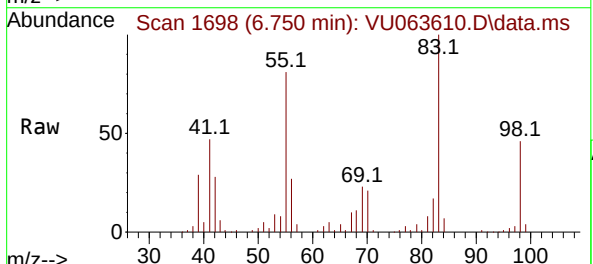
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

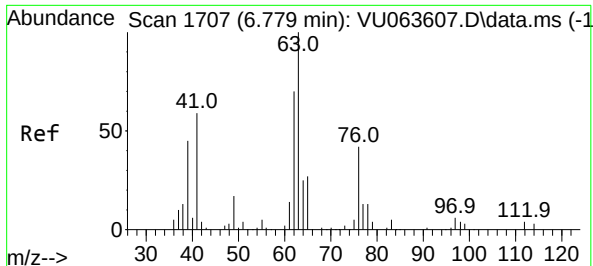
Tgt Ion: 95 Resp: 63252
Ion Ratio Lower Upper
95 100
97 62.9 44.0 81.6
132 93.3 67.1 124.5
130 98.4 68.5 127.1



#35
Methylcyclohexane
Concen: 5.031 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 83 Resp: 93611
Ion Ratio Lower Upper
83 100
55 81.1 63.9 95.9
98 45.9 36.2 54.2

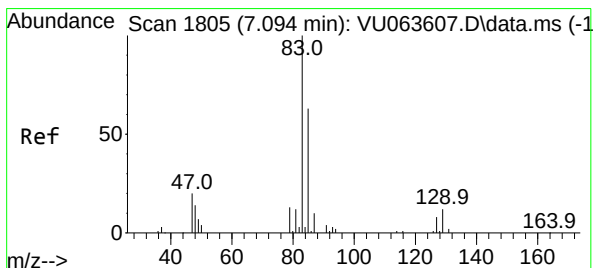
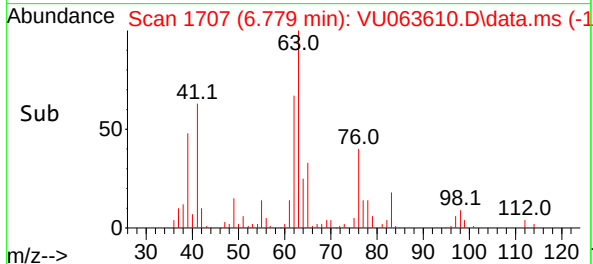
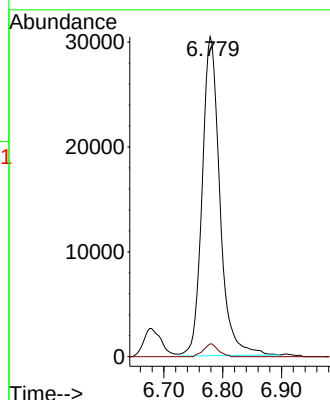
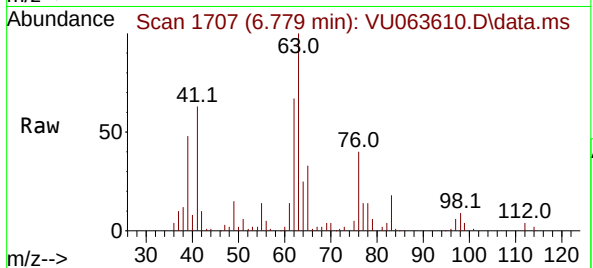




#37
1,2-Dichloropropane
Concen: 5.277 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

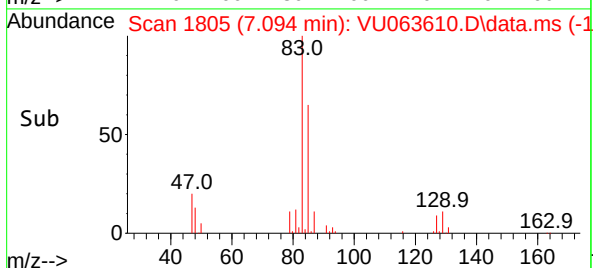
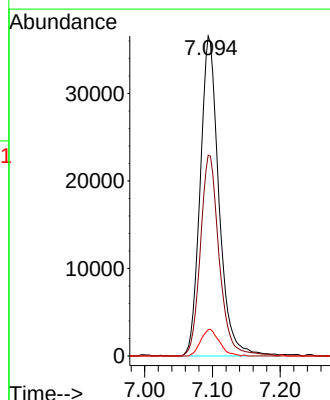
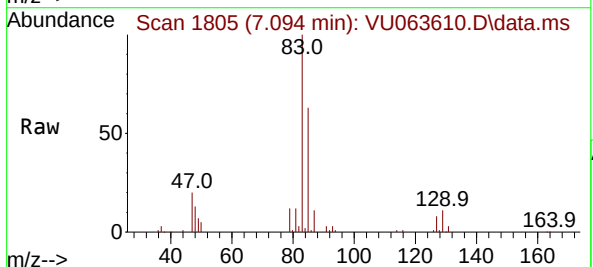
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

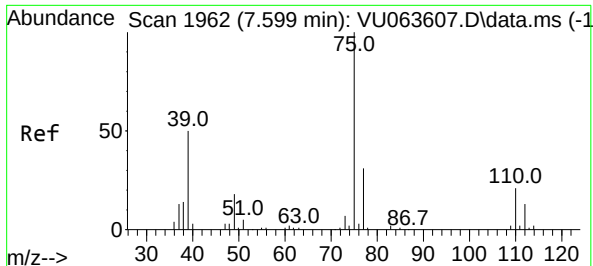
Tgt Ion: 63 Resp: 63591
Ion Ratio Lower Upper
63 100
112 3.4 2.8 4.2



#38
Bromodichloromethane
Concen: 5.443 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 83 Resp: 70151
Ion Ratio Lower Upper
83 100
85 62.7 44.4 82.4
127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 5.362 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

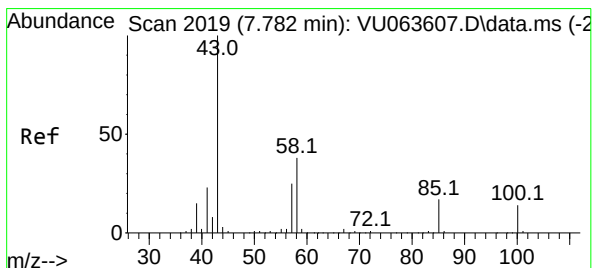
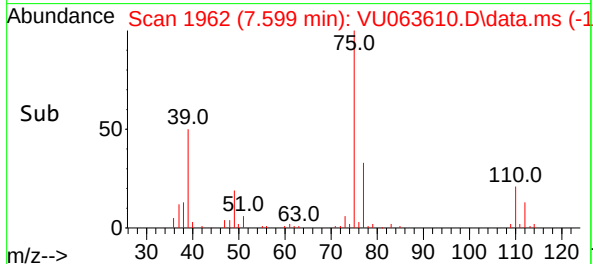
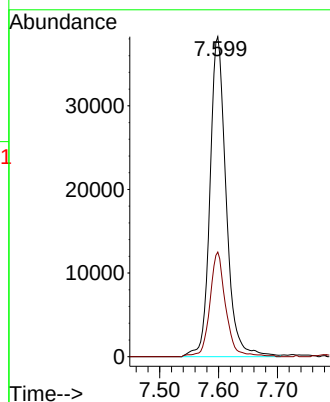
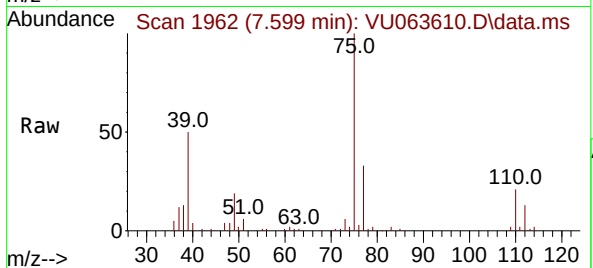
VSTD005147

Tgt Ion: 75 Resp: 73273

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 52.134 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

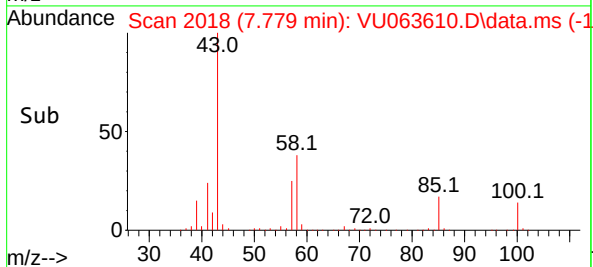
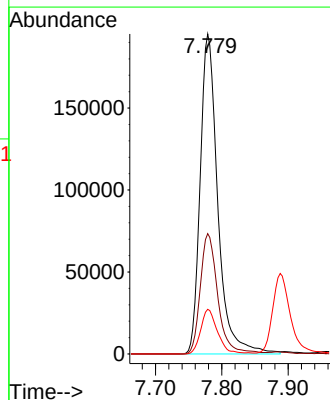
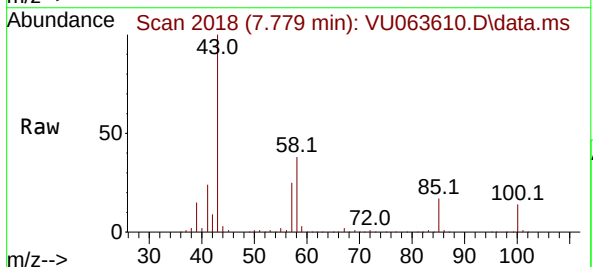
Tgt Ion: 43 Resp: 359574

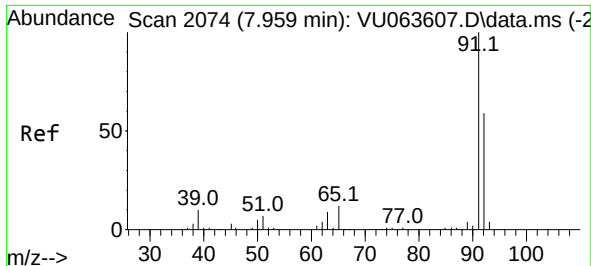
Ion Ratio Lower Upper

43 100

58 37.4 29.6 44.4

100 13.2 10.6 16.0





#42

Toluene

Concen: 5.202 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

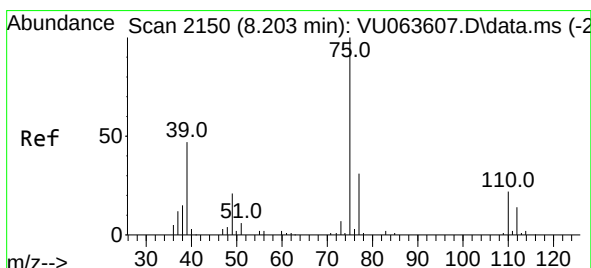
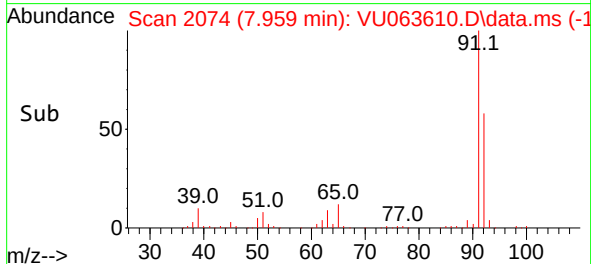
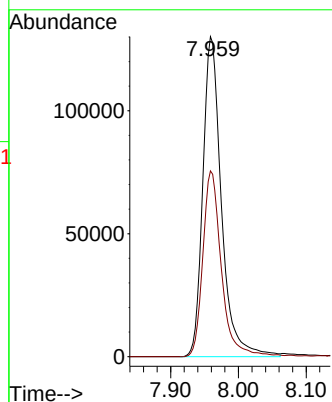
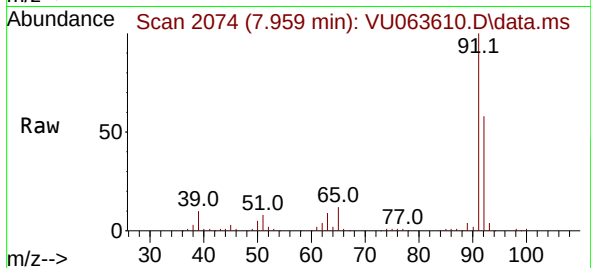
VSTD005147

Tgt Ion: 91 Resp: 248202

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.369 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063610.D

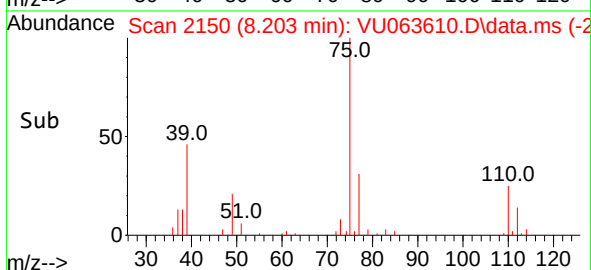
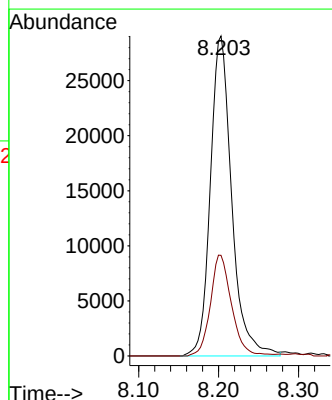
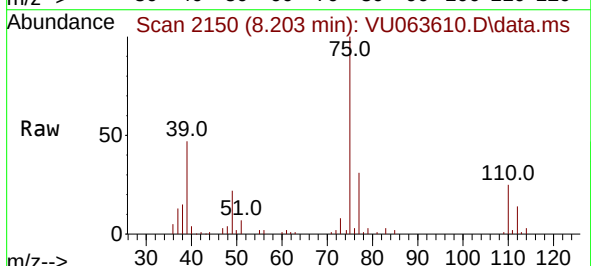
Acq: 18 Sep 2025 14:13

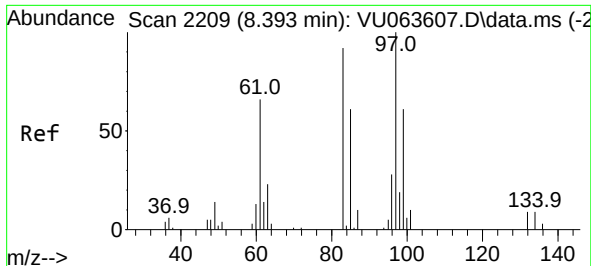
Tgt Ion: 75 Resp: 53901

Ion Ratio Lower Upper

75 100

77 31.4 23.7 44.1



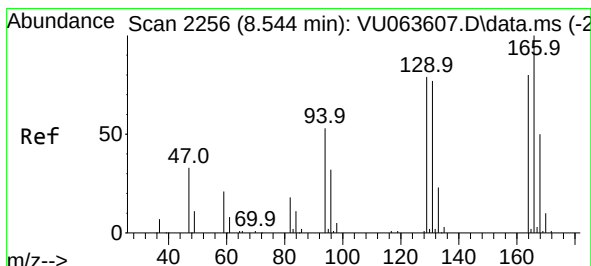
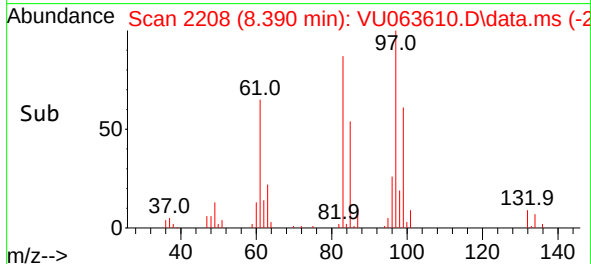
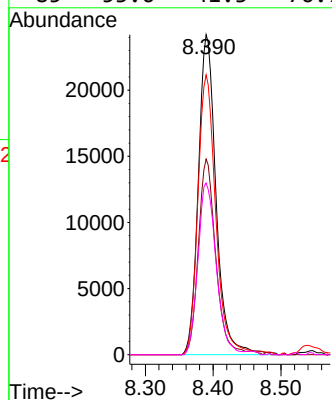
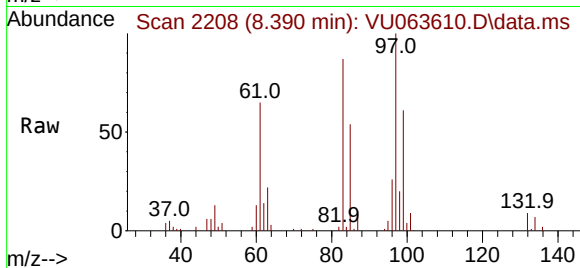


#45
1,1,2-Trichloroethane
Concen: 5.346 ug/L
RT: 8.390 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Tgt Ion: 97 Resp: 44104

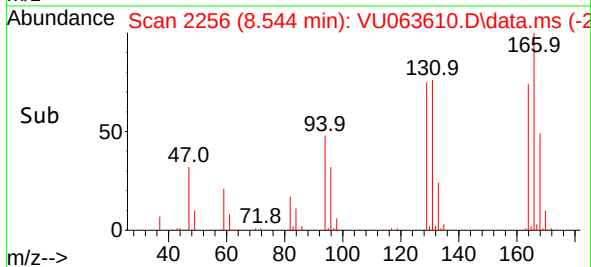
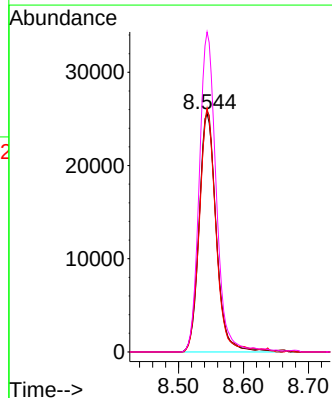
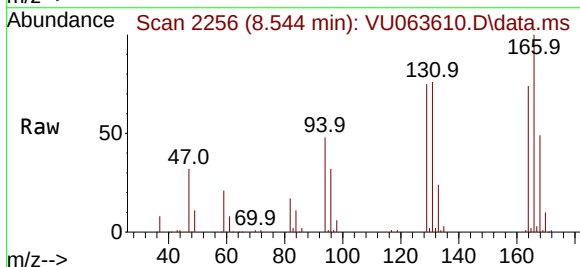
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.6
83	87.5	63.1	117.3
85	53.6	41.3	76.7

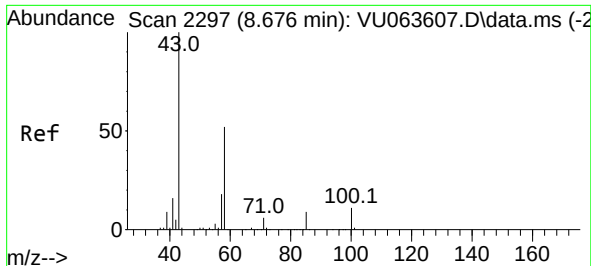


#47
Tetrachloroethene
Concen: 5.048 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion: 164 Resp: 47014

Ion	Ratio	Lower	Upper
164	100		
129	101.1	70.0	130.0
131	102.3	67.1	124.5
166	134.3	89.0	165.2

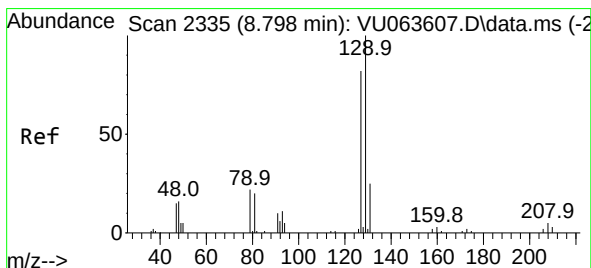
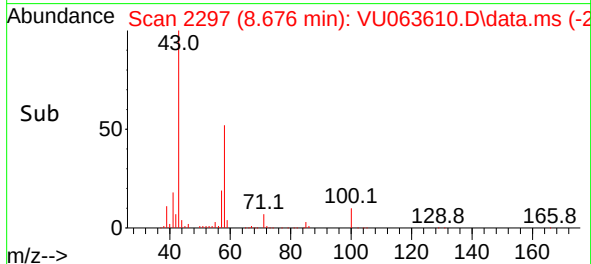
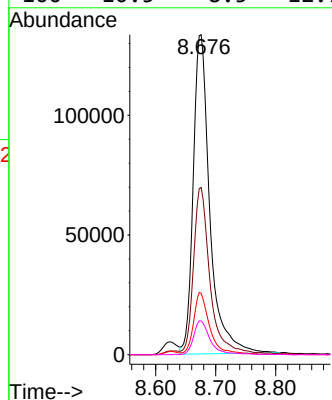
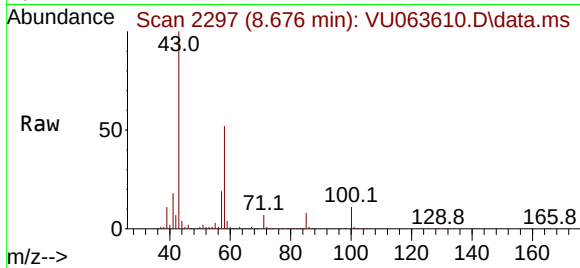




#48
2-Hexanone
Concen: 53.227 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

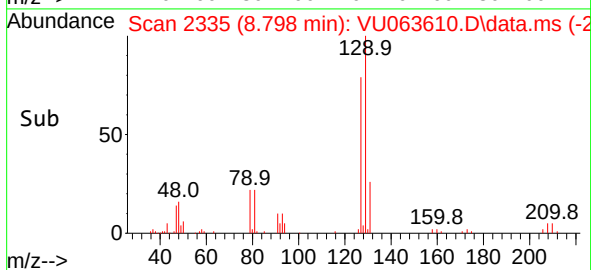
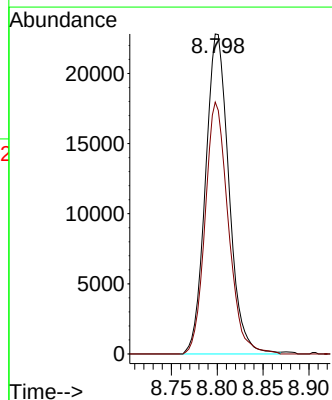
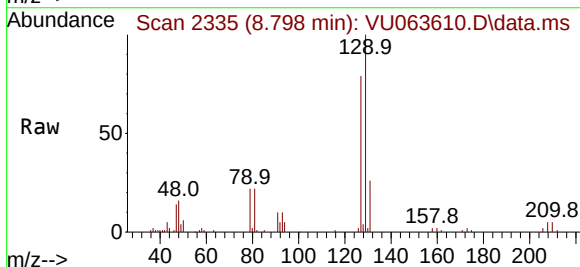
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

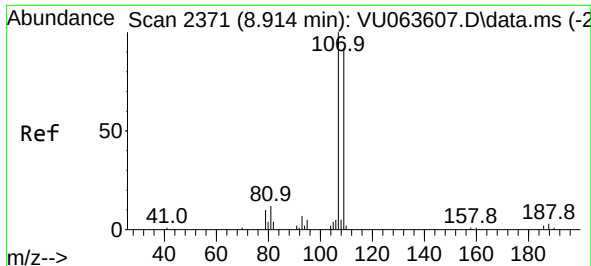
Tgt Ion:	43	Resp:	257525
Ion	Ratio	Lower	Upper
43	100		
58	50.5	42.2	63.2
57	18.7	15.0	22.4
100	10.5	8.5	12.7



#49
Dibromochloromethane
Concen: 5.383 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:	129	Resp:	40602
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.3	100.8

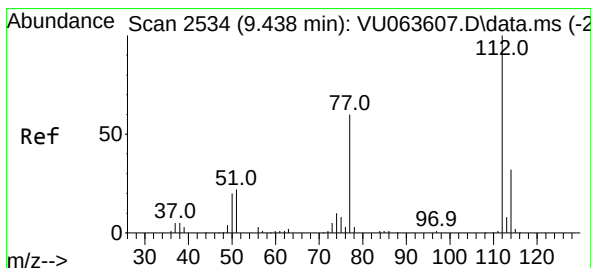
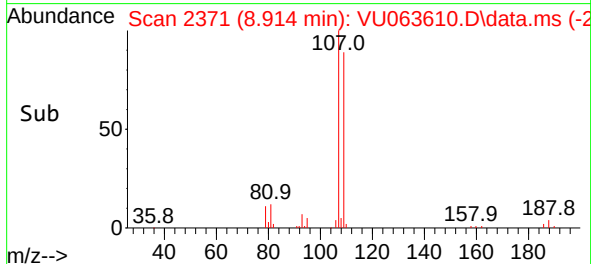
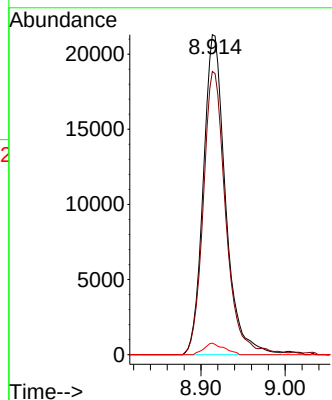
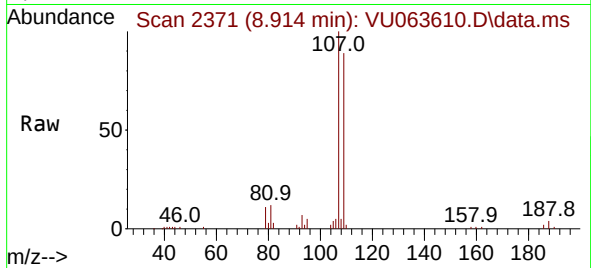




#50
1,2-Dibromoethane
Concen: 5.303 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

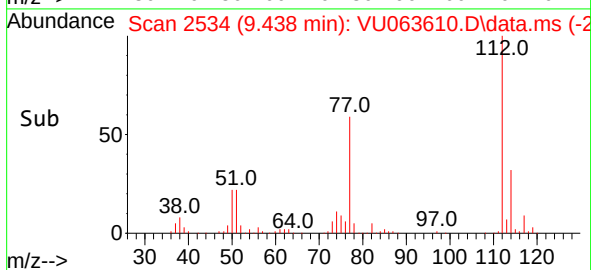
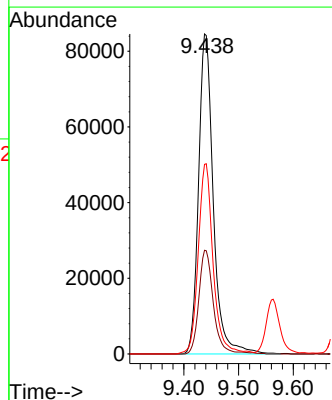
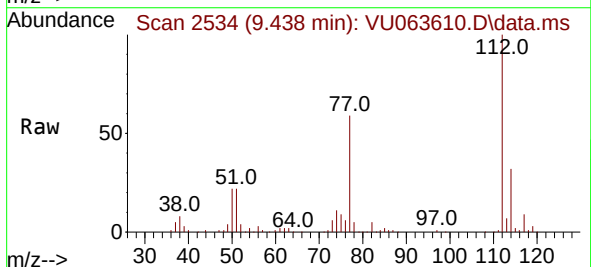
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

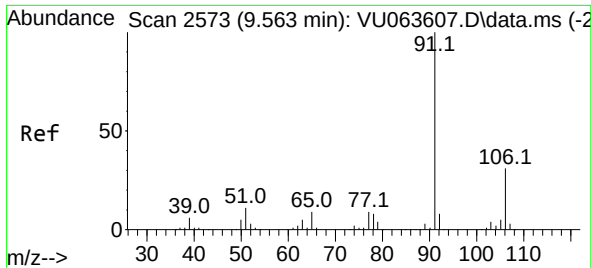
Tgt Ion:107 Resp: 39027
Ion Ratio Lower Upper
107 100
109 88.5 65.4 121.4
188 3.6 2.8 4.2



#51
Chlorobenzene
Concen: 5.117 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:112 Resp: 158088
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 59.3 48.9 73.3

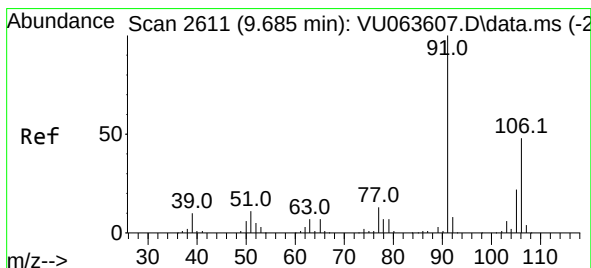
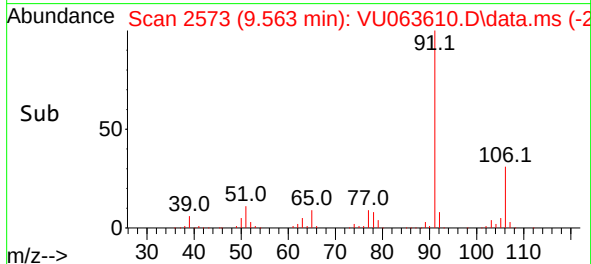
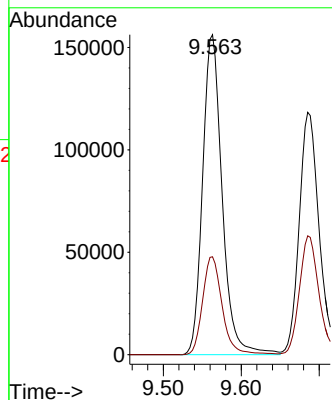
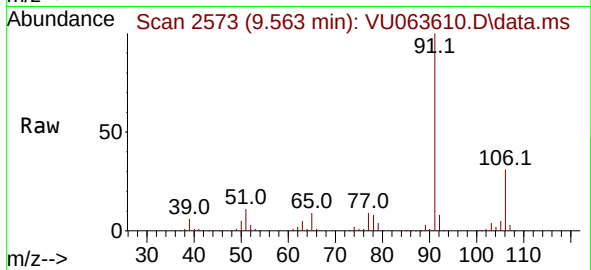




#52
Ethylbenzene
Concen: 5.183 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

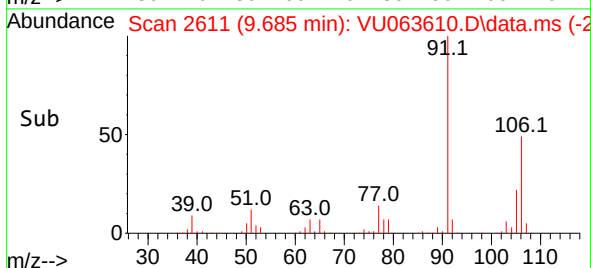
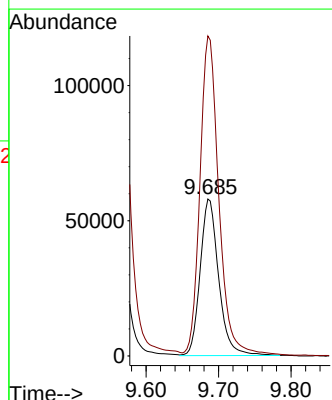
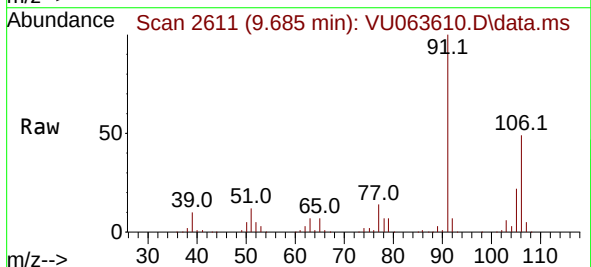
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

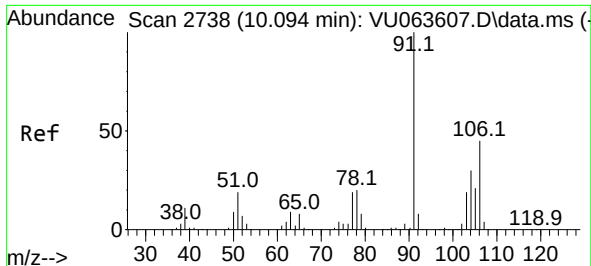
Tgt Ion: 91 Resp: 272188
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 5.214 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:106 Resp: 102711
Ion Ratio Lower Upper
106 100
91 203.9 141.5 262.7

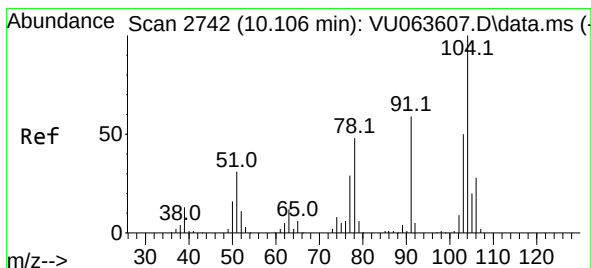
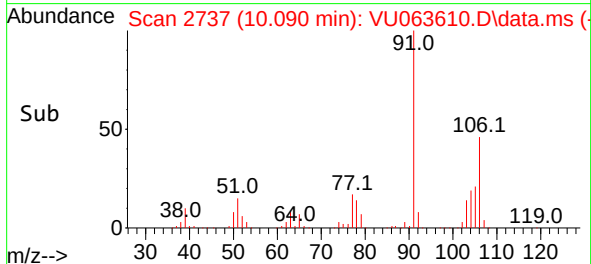
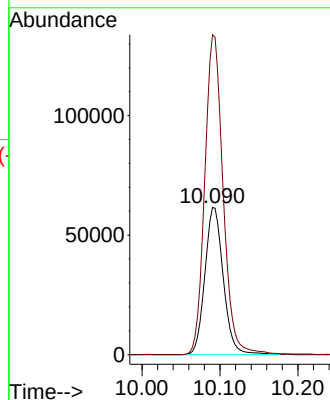
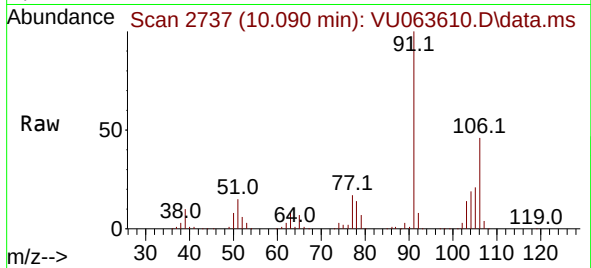




#54
o-Xylene
Concen: 5.318 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

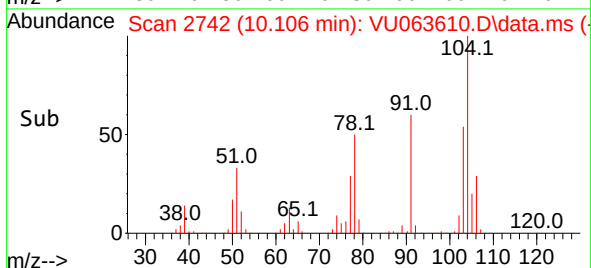
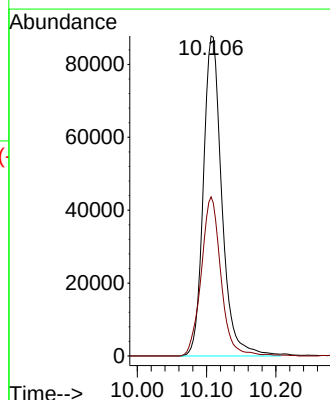
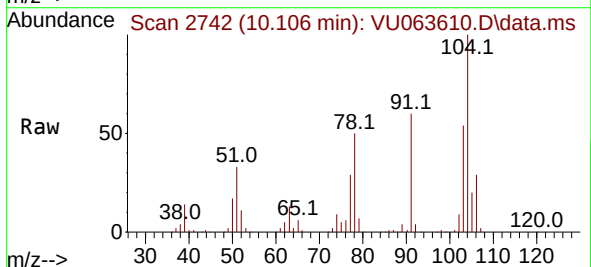
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

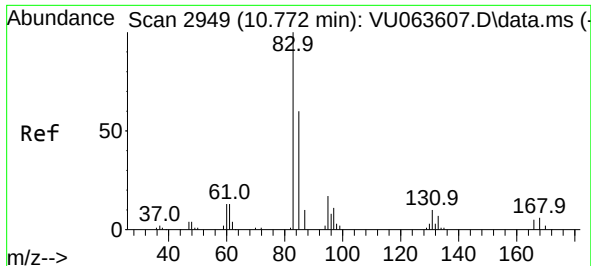
Tgt Ion:106 Resp: 101388
Ion Ratio Lower Upper
106 100
91 217.5 149.4 277.4



#55
Styrene
Concen: 5.214 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:104 Resp: 163063
Ion Ratio Lower Upper
104 100
78 49.7 32.8 61.0

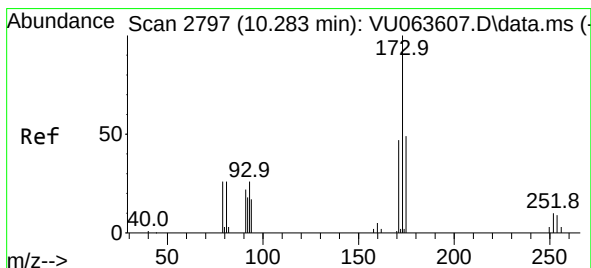
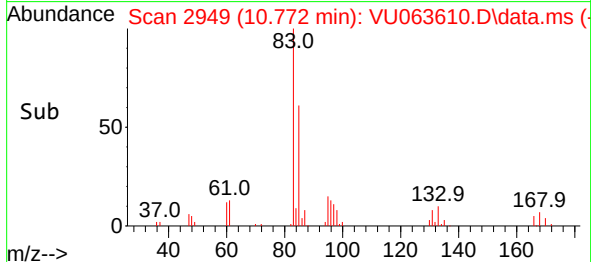
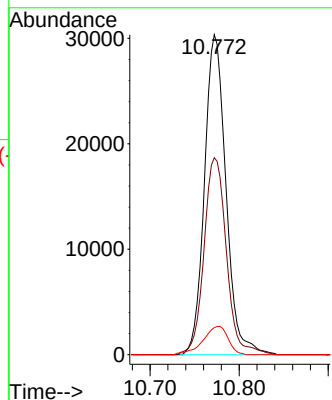
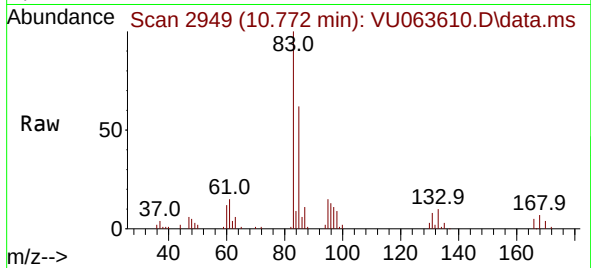




#57
1,1,2,2-Tetrachloroethane
Concen: 5.165 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

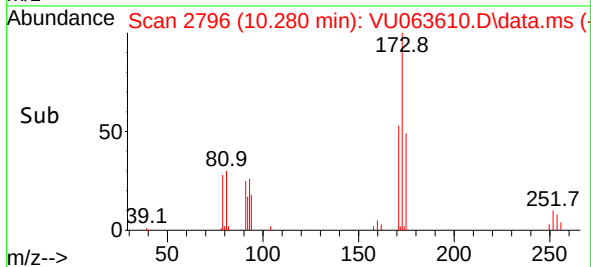
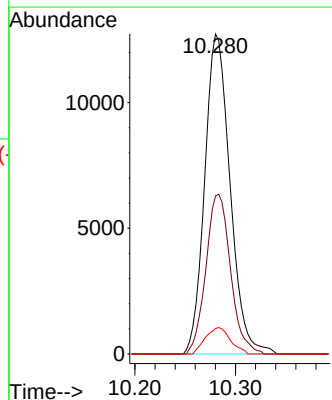
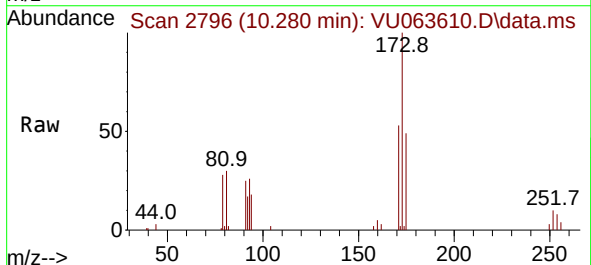
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

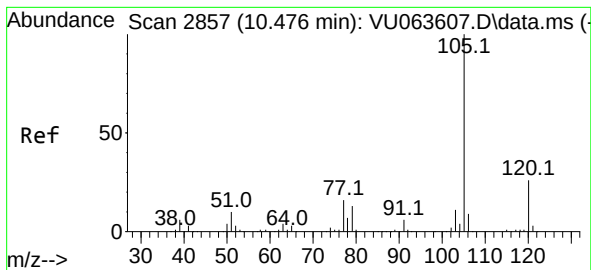
Tgt Ion: 83 Resp: 50905
Ion Ratio Lower Upper
83 100
85 61.5 43.5 80.7
131 8.4 7.3 10.9



#59
Bromoform
Concen: 5.677 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.003 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:173 Resp: 22290
Ion Ratio Lower Upper
173 100
175 48.4 40.3 60.5
254 8.1 6.4 9.6





#60

Isopropylbenzene

Concen: 5.227 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

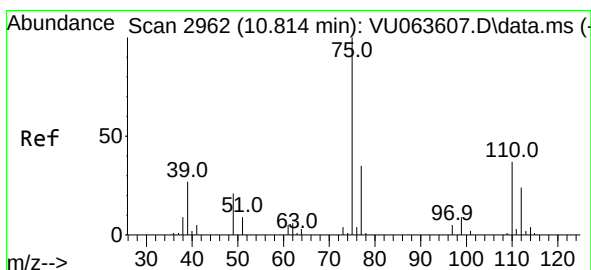
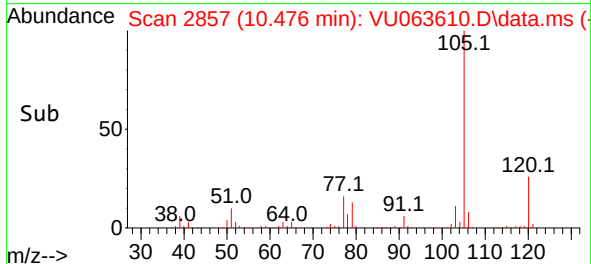
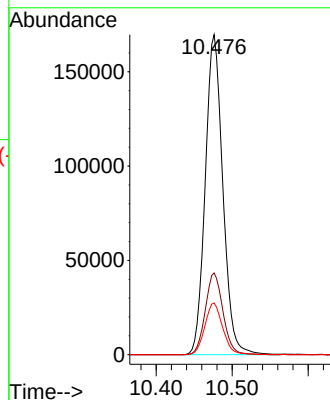
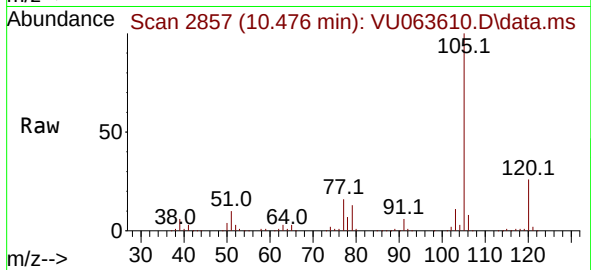
Tgt Ion:105 Resp: 272688

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

77 16.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.031 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

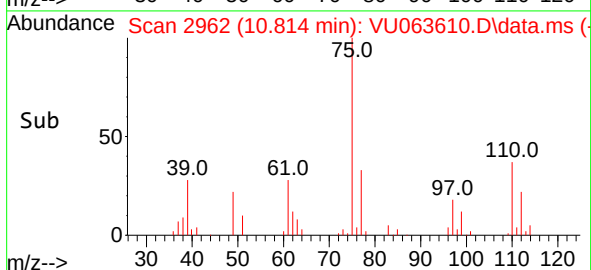
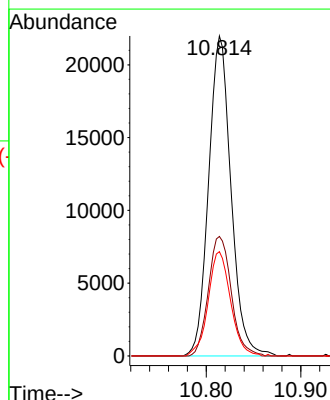
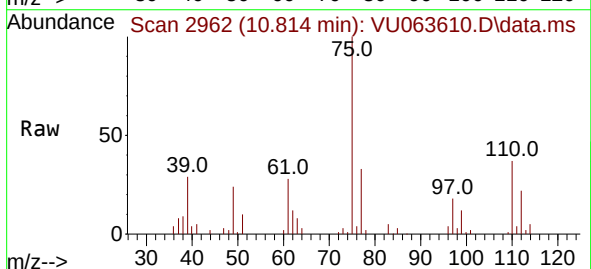
Tgt Ion: 75 Resp: 36164

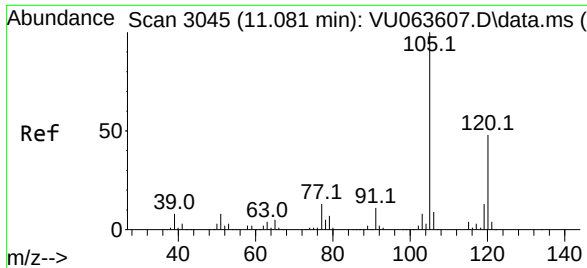
Ion Ratio Lower Upper

75 100

110 38.3 28.3 42.5

77 32.6 25.2 37.8

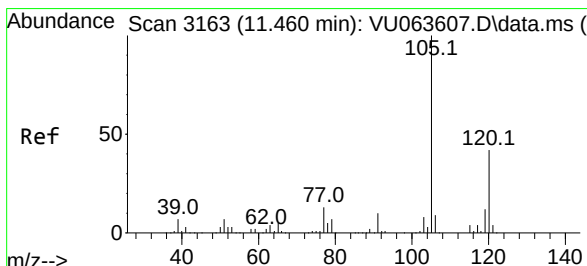
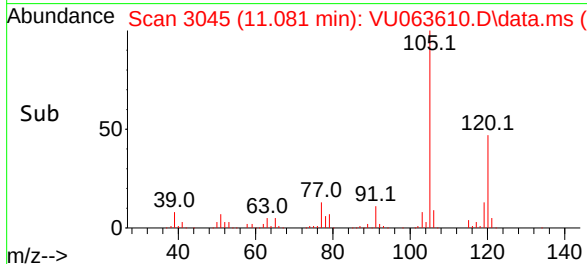
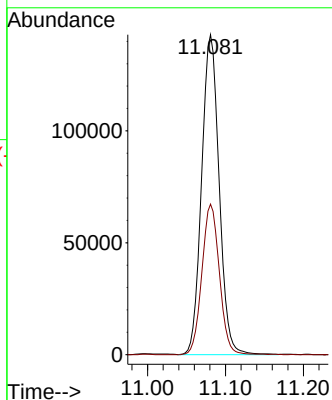
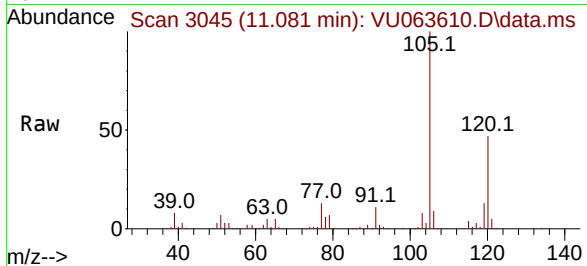




#62
 1,3,5-Trimethylbenzene
 Concen: 5.267 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. 0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

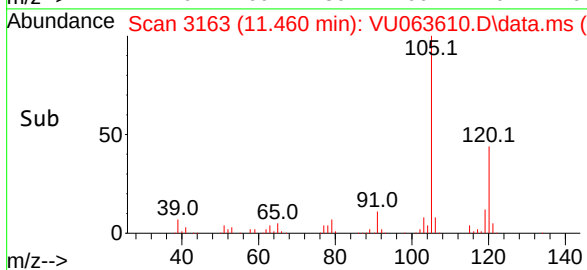
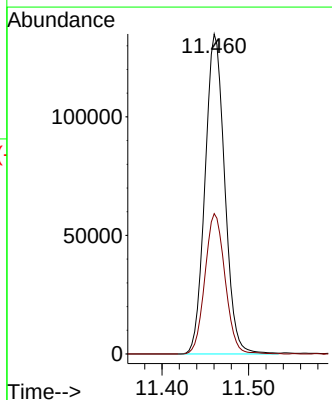
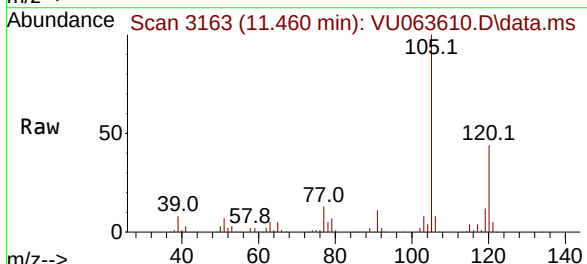
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

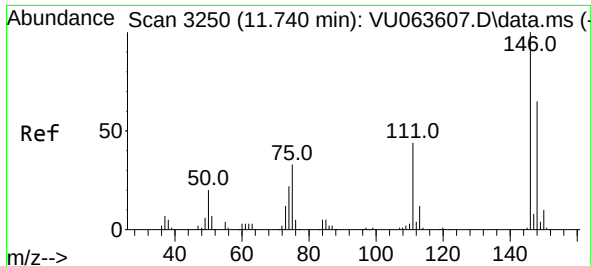
Tgt Ion:105 Resp: 223461
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.4 57.6



#63
 1,2,4-Trimethylbenzene
 Concen: 5.252 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

Tgt Ion:105 Resp: 212755
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.3 52.9

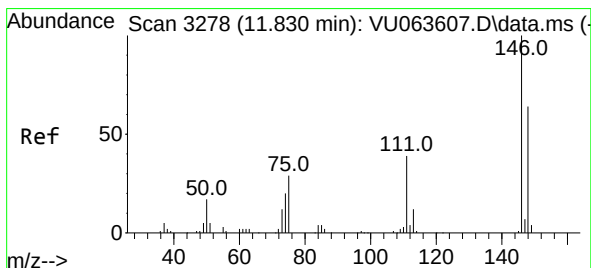
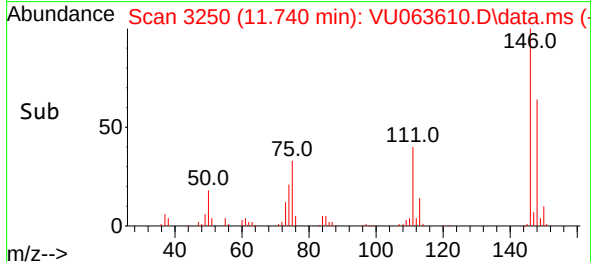
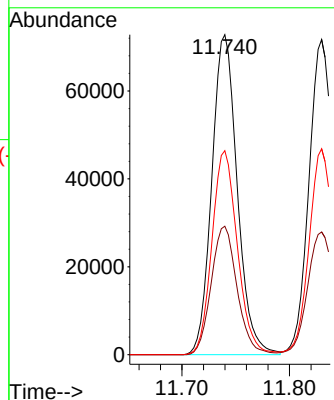
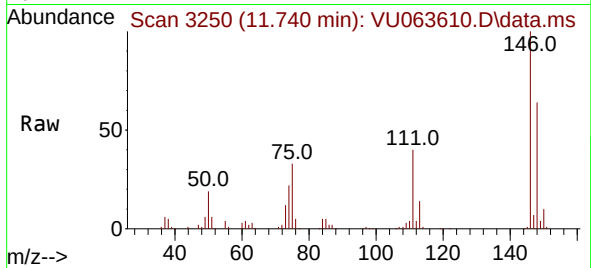




#64
1,3-Dichlorobenzene
Concen: 5.125 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

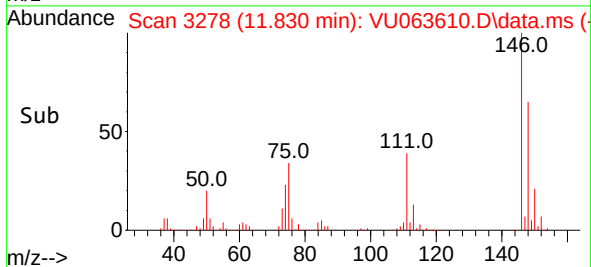
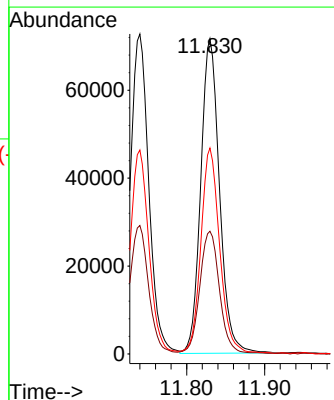
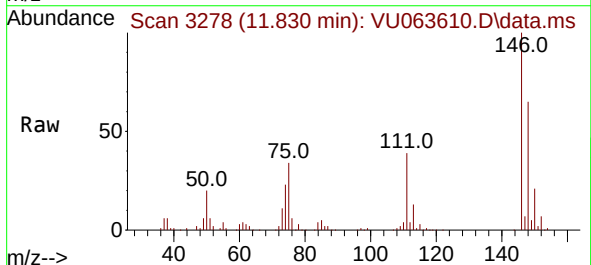
Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

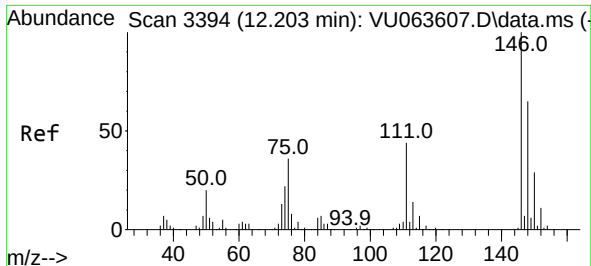
Tgt Ion:146 Resp: 119811
Ion Ratio Lower Upper
146 100
111 40.1 29.0 53.8
148 63.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.073 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:146 Resp: 119753
Ion Ratio Lower Upper
146 100
111 38.9 27.2 50.4
148 65.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 5.039 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005147

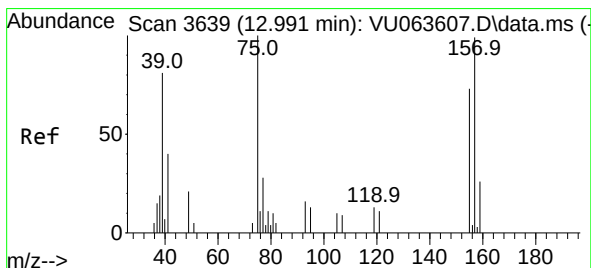
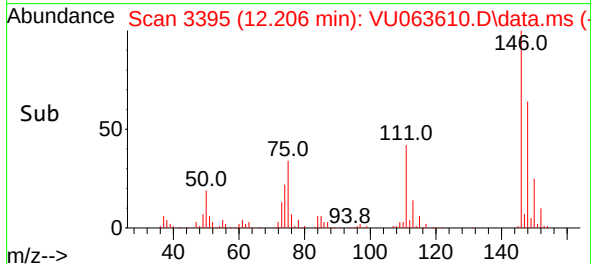
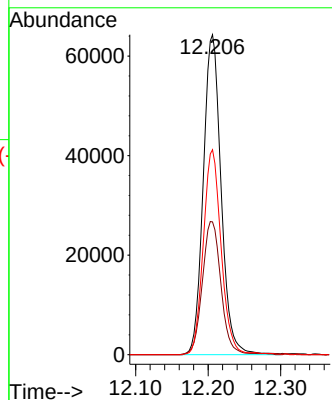
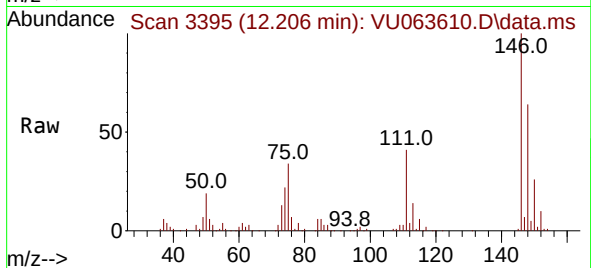
Tgt Ion:146 Resp: 109967

Ion Ratio Lower Upper

146 100

111 41.5 35.5 53.3

148 64.1 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.736 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU063610.D

Acq: 18 Sep 2025 14:13

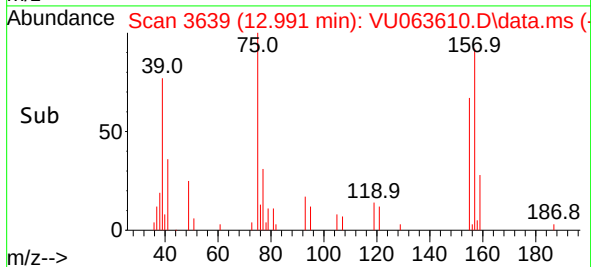
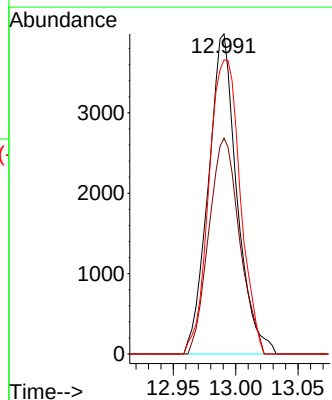
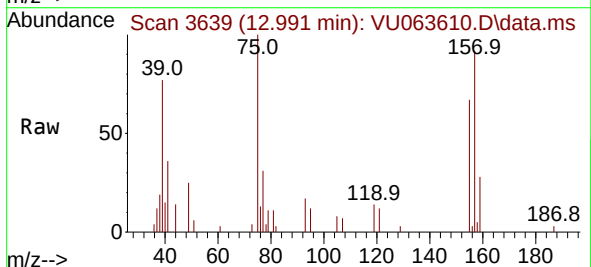
Tgt Ion: 75 Resp: 6367

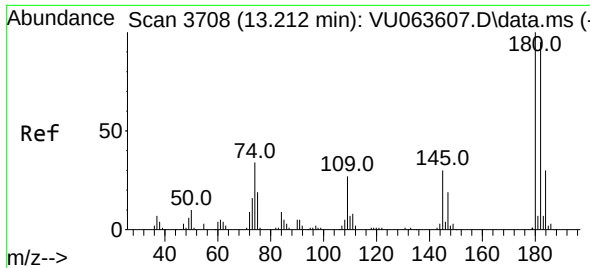
Ion Ratio Lower Upper

75 100

155 67.4 58.4 87.6

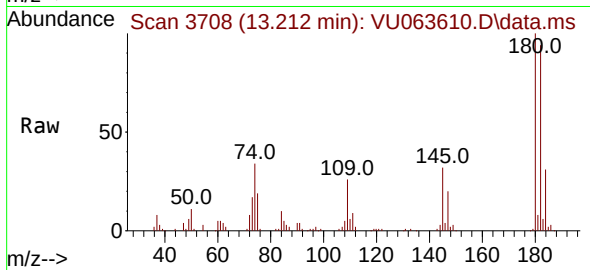
157 91.9 77.8 116.8



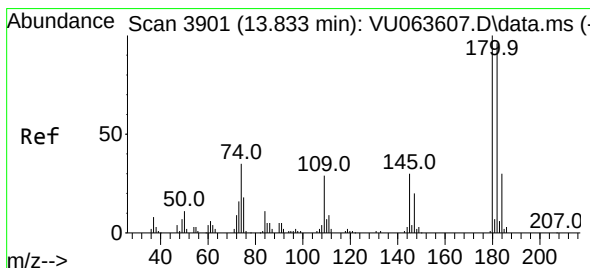
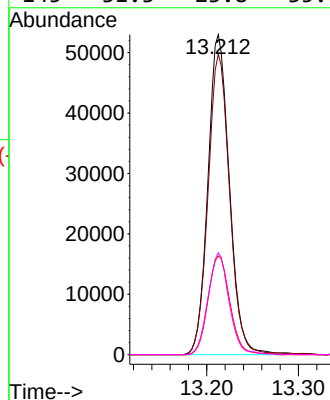
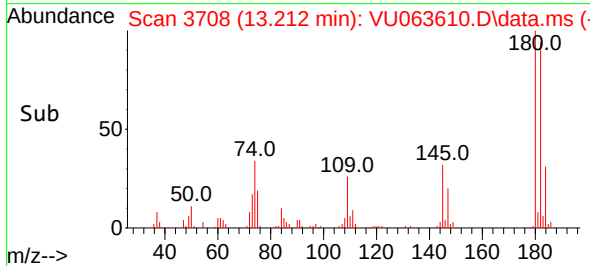


#69
 1,3,5-Trichlorobenzene
 Concen: 4.925 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13

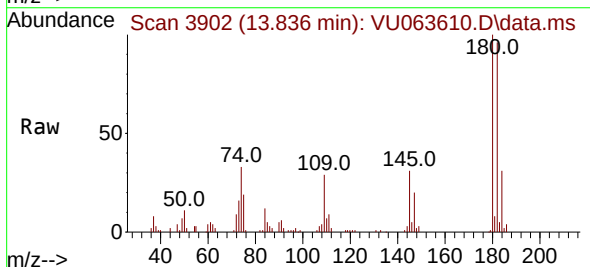
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147



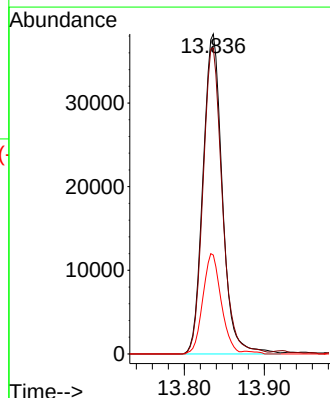
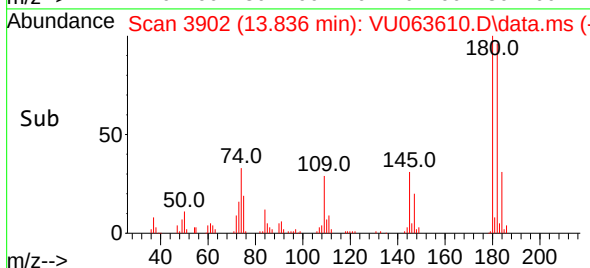
Tgt Ion:180 Resp: 86169
 Ion Ratio Lower Upper
 180 100
 182 94.4 74.6 111.8
 184 31.4 23.4 35.2
 145 31.3 23.8 35.6

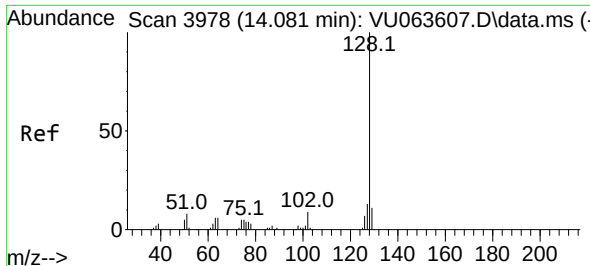


#70
 1,2,4-trichlorobenzene
 Concen: 4.774 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU063610.D
 Acq: 18 Sep 2025 14:13



Tgt Ion:180 Resp: 64469
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 29.7 25.0 37.4

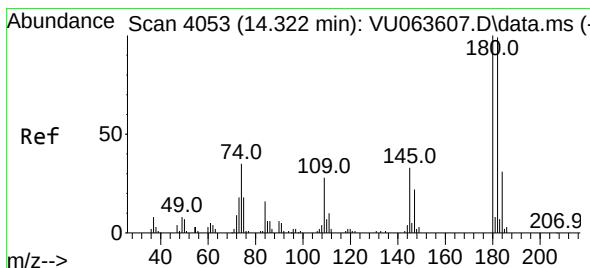
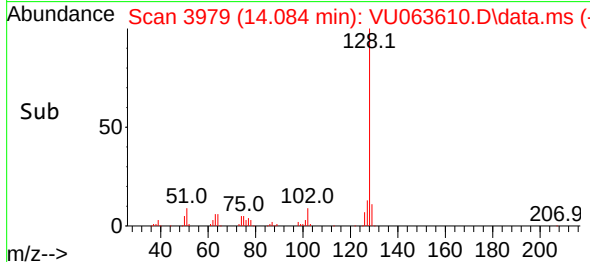
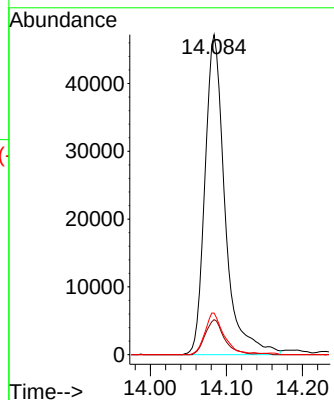
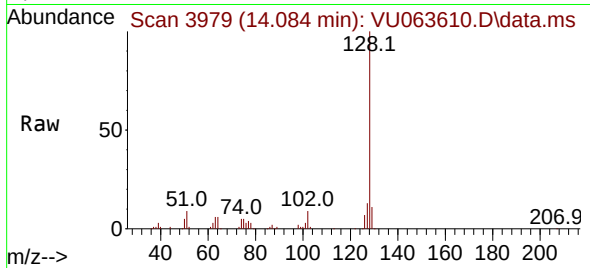




#71
Naphthalene
Concen: 4.286 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005147

Tgt Ion:128 Resp: 86612
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.2 11.0 16.4



#72
1,2,3-Trichlorobenzene
Concen: 4.743 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU063610.D
Acq: 18 Sep 2025 14:13

Tgt Ion:180 Resp: 54986
Ion Ratio Lower Upper
180 100
182 92.7 78.2 117.2
145 33.3 26.0 39.0

