

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091825\
 Data File : VU063607.D
 Acq On : 18 Sep 2025 08:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

Quant Time: Sep 19 06:06:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 06:17:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	155201	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145322	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74465	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	34809	4.363	ug/L	0.00
7) Chloroethane-d5	1.898	69	33313	4.343	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	16755	4.402	ug/L	0.00
20) 2-Butanone-d5	4.621	46	107357	46.758	ug/L	0.01
24) Chloroform-d	5.049	84	84571	4.436	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	45002	4.426	ug/L	0.00
32) Benzene-d6	5.714	84	157312	4.508	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	51210	4.534	ug/L	0.00
41) Toluene-d8	7.888	98	141070	4.505	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	13630	4.408	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	75778	46.521	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	41525	4.561	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	51164	4.422	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	54874	4.443	ug/L	98
3) Chloromethane	1.512	50	62294	4.556	ug/L	99
5) Vinyl chloride	1.596	62	65096	4.449	ug/L	94
6) Bromomethane	1.840	94	38298	4.430	ug/L	97
8) Chloroethane	1.920	64	40765	4.514	ug/L	94
9) Trichlorofluoromethane	2.126	101	85381	4.459	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	50024	4.619	ug/L	98
12) 1,1-Dichloroethene	2.567	96	45008	4.484	ug/L	88
13) Acetone	2.621	43	97542	48.368	ug/L	99
14) Carbon disulfide	2.779	76	122425	4.616	ug/L	99
15) Methyl Acetate	2.949	43	20646	4.520	ug/L	94
16) Methylene chloride	3.030	84	53276	4.535	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	111734	4.515	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	47000	4.531	ug/L	98
19) 1,1-Dichloroethane	3.853	63	95847	4.536	ug/L	100
21) 2-Butanone	4.698	43	126052	43.085	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	53419	4.528	ug/L	99
23) Bromochloromethane	4.962	128	24241	4.639	ug/L	92
25) Chloroform	5.071	83	97897	4.520	ug/L	100
27) 1,2-Dichloroethane	5.782	62	64636	4.503	ug/L	98
29) 1,1,1-Trichloroethane	5.300	97	79575	4.778	ug/L	98
30) Cyclohexane	5.374	56	89393	4.550	ug/L	99
31) Carbon tetrachloride	5.512	117	59809	4.587	ug/L	98
33) Benzene	5.763	78	213587	4.703	ug/L	100
34) Trichloroethene	6.531	95	56809	4.561	ug/L	98
35) Methylcyclohexane	6.750	83	86648	4.561	ug/L	99
37) 1,2-Dichloropropane	6.779	63	58602	4.763	ug/L	100
38) Bromodichloromethane	7.094	83	62886	4.779	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	64430	4.618	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	325481	46.223	ug/L	100
42) Toluene	7.959	91	221417	4.546	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	47676	4.651	ug/L	94

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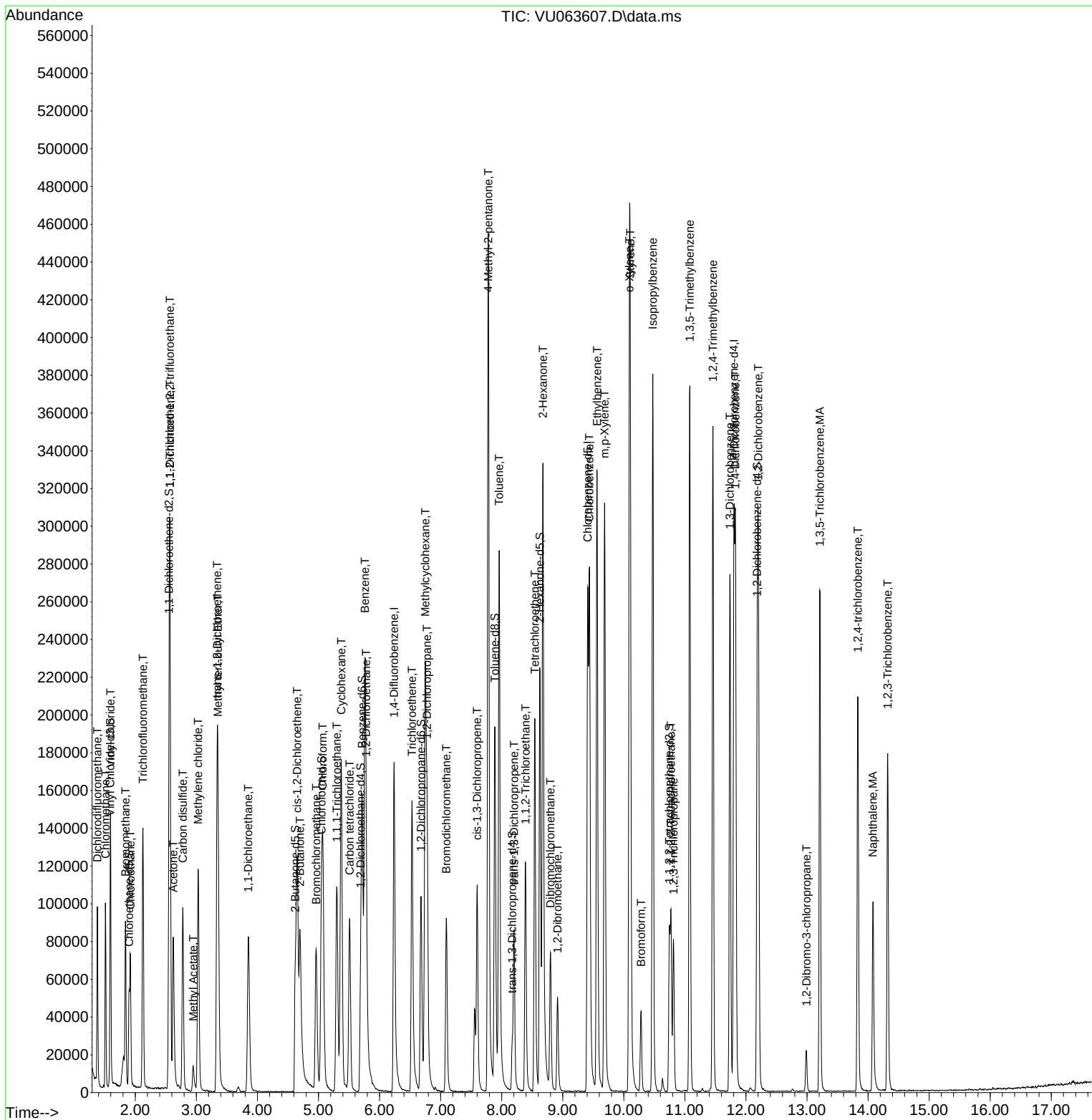
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

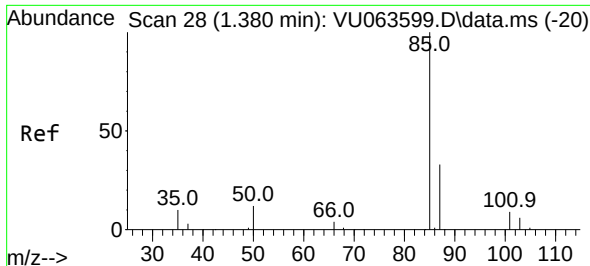
Quant Time: Sep 19 06:06:32 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	38843	4.612	ug/L	98
47) Tetrachloroethene	8.544	164	43120	4.535	ug/L	99
48) 2-Hexanone	8.676	43	228452	46.249	ug/L	99
49) Dibromochloromethane	8.798	129	36484	4.738	ug/L	95
50) 1,2-Dibromoethane	8.914	107	34347	4.571	ug/L	99
51) Chlorobenzene	9.438	112	144326	4.575	ug/L	99
52) Ethylbenzene	9.563	91	246527	4.598	ug/L	99
53) m,p-Xylene	9.685	106	93522	4.650	ug/L	95
54) o-Xylene	10.094	106	91279	4.690	ug/L	95
55) Styrene	10.106	104	149653	4.687	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	45325	4.505	ug/L	98
59) Bromoform	10.283	173	19406	4.813	ug/L	98
60) Isopropylbenzene	10.476	105	245023	4.574	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	33158	4.493	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	200635	4.606	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	196691	4.729	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	111150	4.630	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	110698	4.567	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	100888	4.502	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	5779	5.070	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	79888	4.447	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	62849	4.533	ug/L	99
71) Naphthalene	14.081	128	85994	4.145	ug/L	97
72) 1,2,3-Trichlorobenzene	14.322	180	52875	4.442	ug/L	99

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

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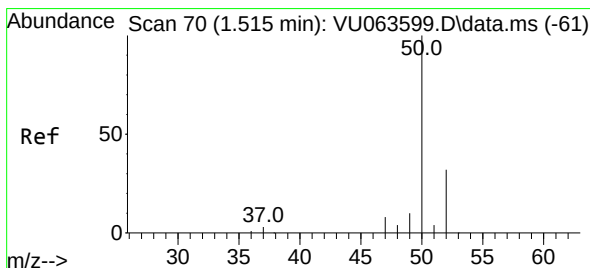
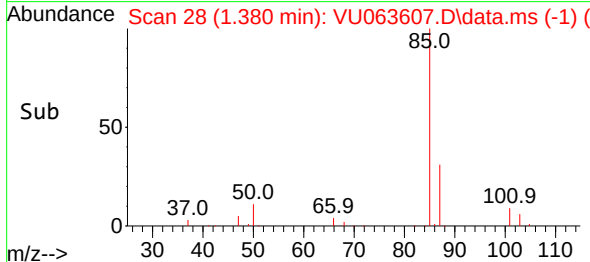
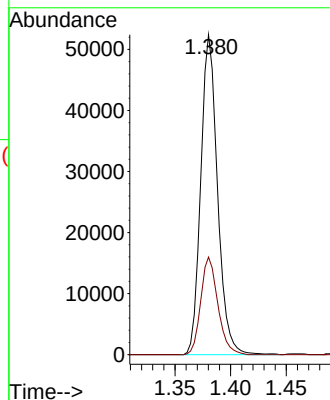
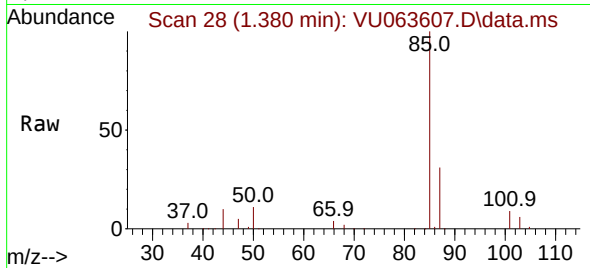




#2
 Dichlorodifluoromethane
 Concen: 4.443 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

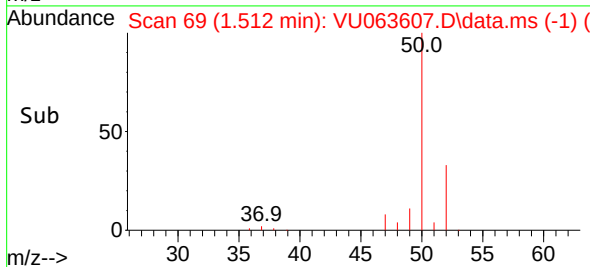
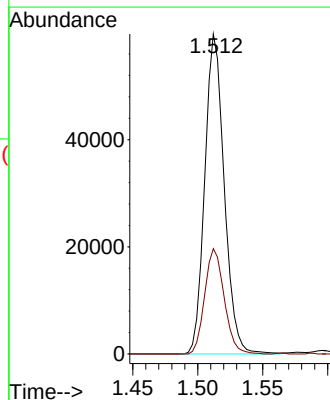
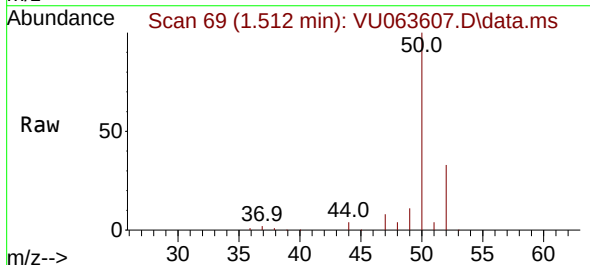
Instrument :
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 ClientSampleId :
 VSTD005146

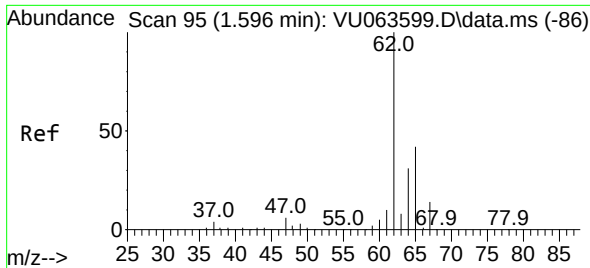
Tgt Ion: 85 Resp: 54874
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.8 38.8



#3
 Chloromethane
 Concen: 4.556 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.006 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

Tgt Ion: 50 Resp: 62294
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.6 42.0

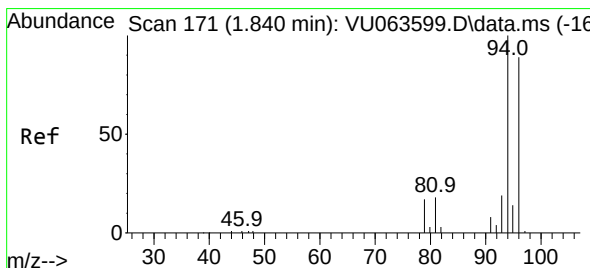
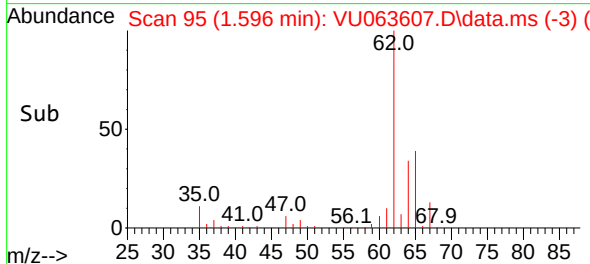
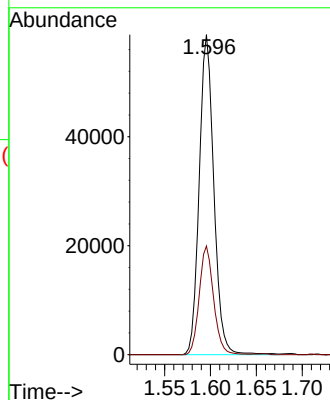
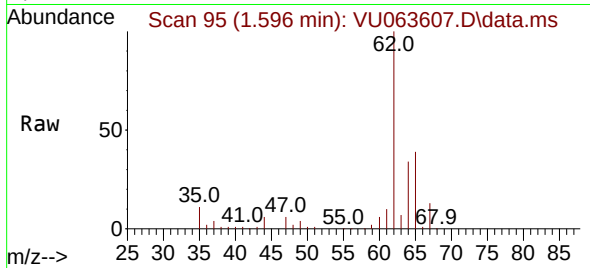




#5
 Vinyl chloride
 Concen: 4.449 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

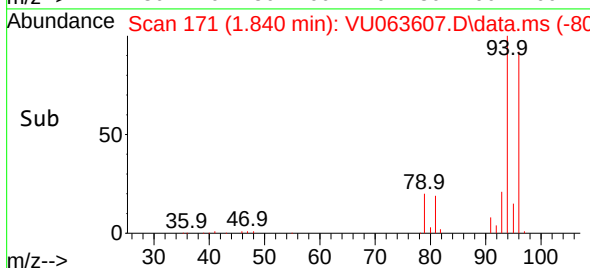
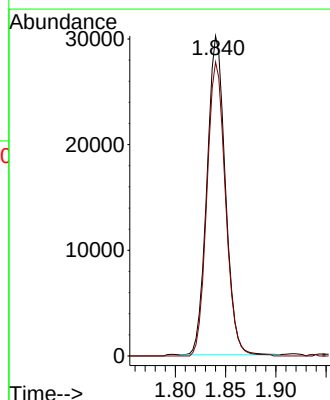
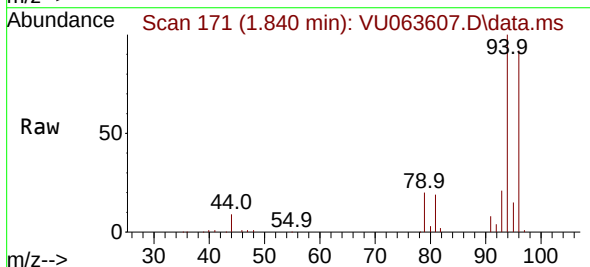
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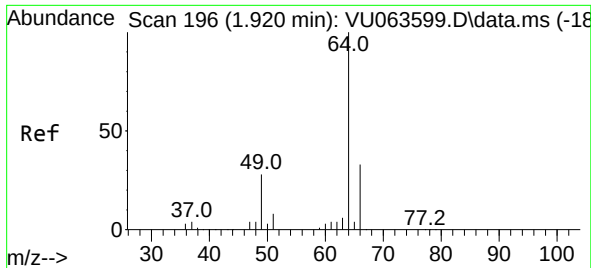
Tgt Ion: 62 Resp: 65096
 Ion Ratio Lower Upper
 62 100
 64 33.9 21.5 39.9



#6
 Bromomethane
 Concen: 4.430 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

Tgt Ion: 94 Resp: 38298
 Ion Ratio Lower Upper
 94 100
 96 91.9 62.4 116.0

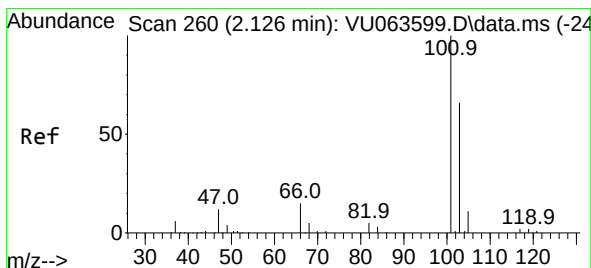
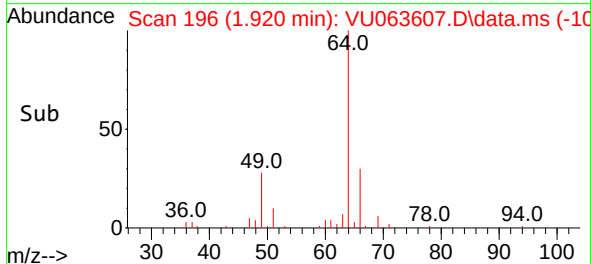
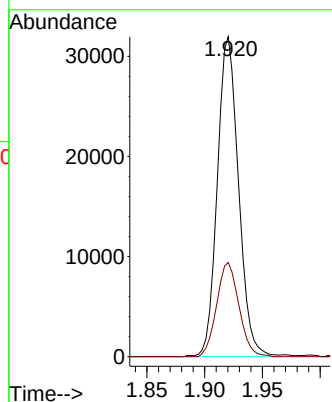
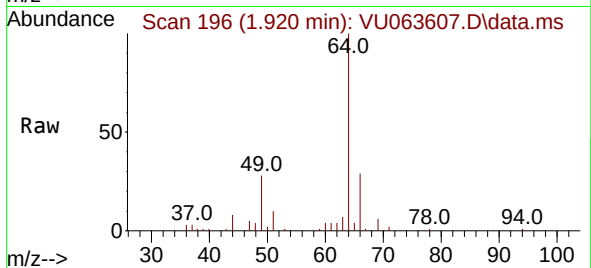




#8
Chloroethane
Concen: 4.514 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

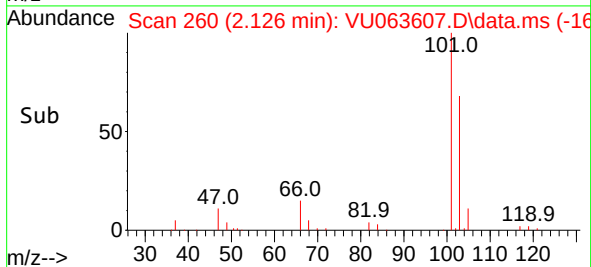
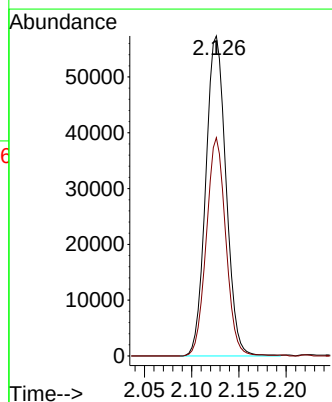
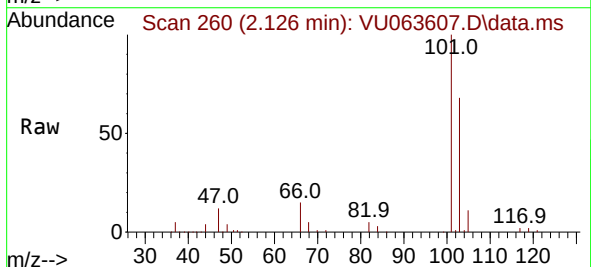
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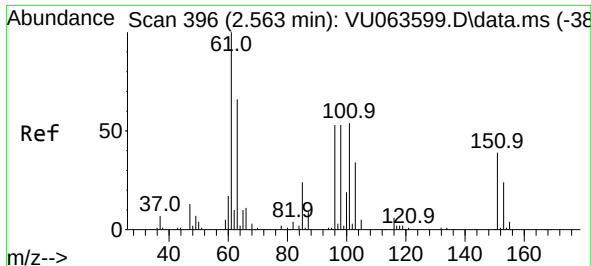
Tgt Ion: 64 Resp: 40765
Ion Ratio Lower Upper
64 100
66 29.5 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.459 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:101 Resp: 85381
Ion Ratio Lower Upper
101 100
103 65.4 52.8 79.2

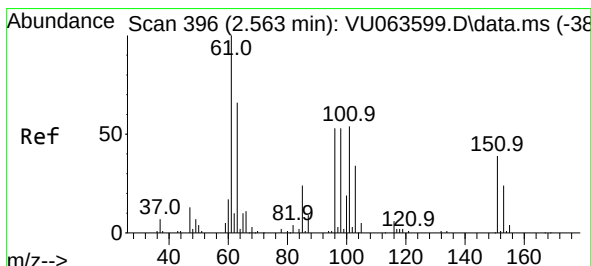
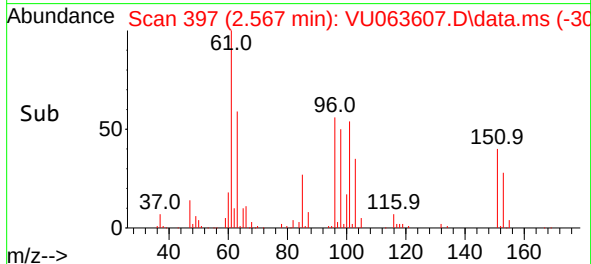
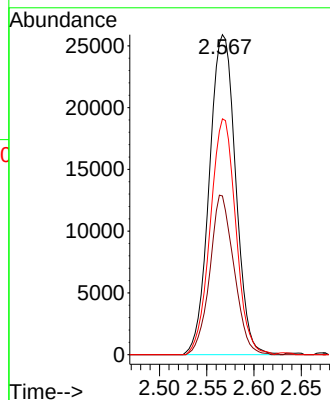
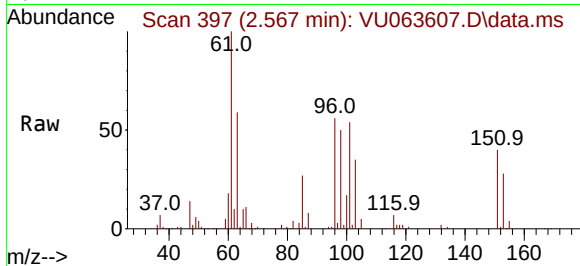




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.619 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

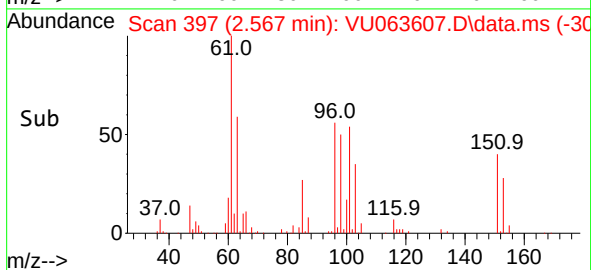
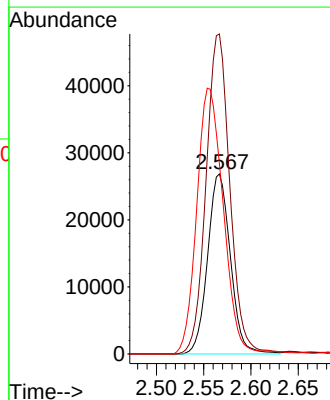
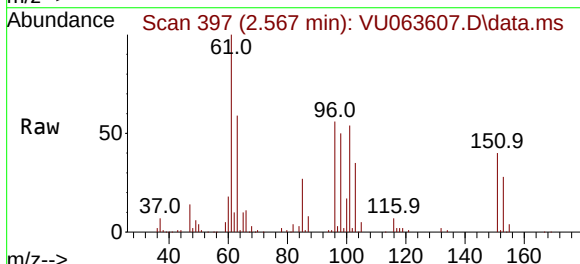
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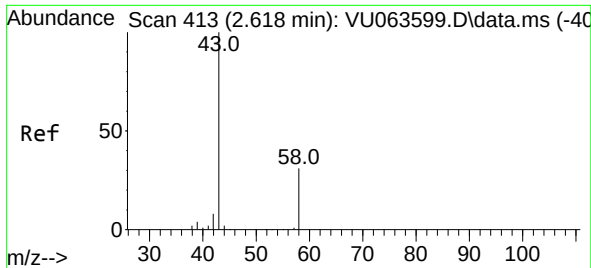
Tgt Ion:101 Resp: 50024
Ion Ratio Lower Upper
101 100
85 45.9 36.4 54.6
151 71.7 59.2 88.8



#12
1,1-Dichloroethene
Concen: 4.484 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 96 Resp: 45008
Ion Ratio Lower Upper
96 100
61 177.7 132.4 245.8
63 105.7 89.0 165.4





#13

Acetone

Concen: 48.368 ug/L

RT: 2.621 min Scan# 413

Delta R.T. 0.006 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

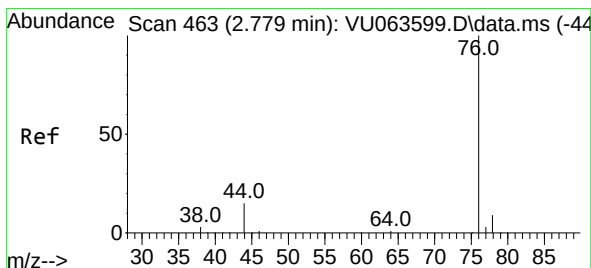
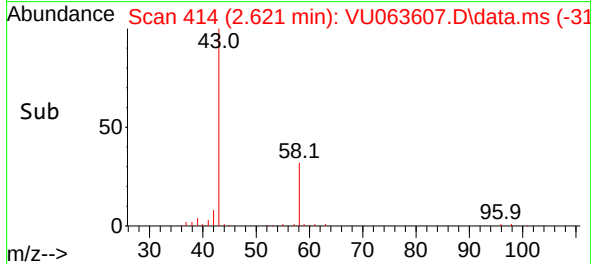
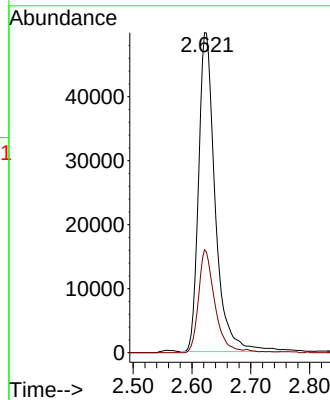
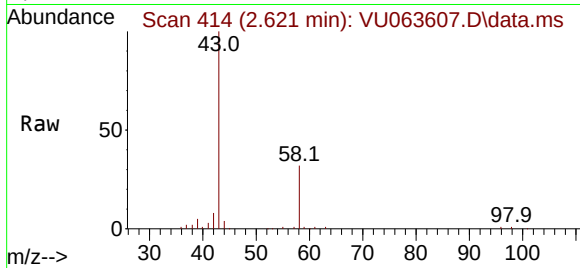
VSTD005146

Tgt Ion: 43 Resp: 97542

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.6



#14

Carbon disulfide

Concen: 4.616 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063607.D

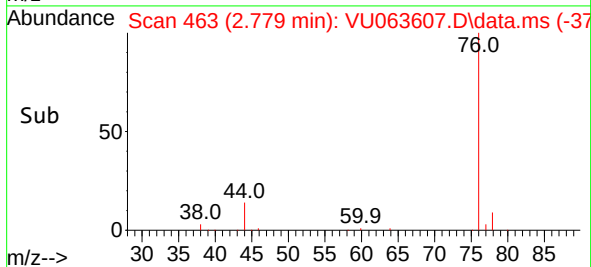
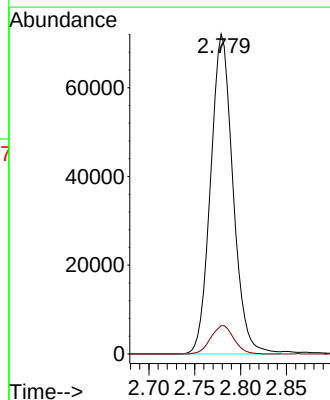
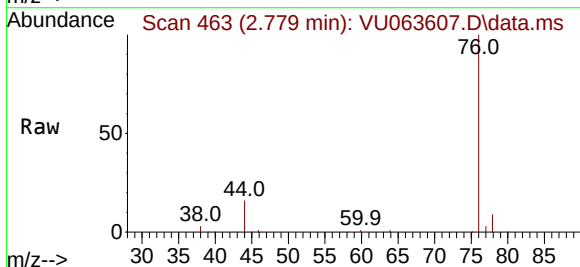
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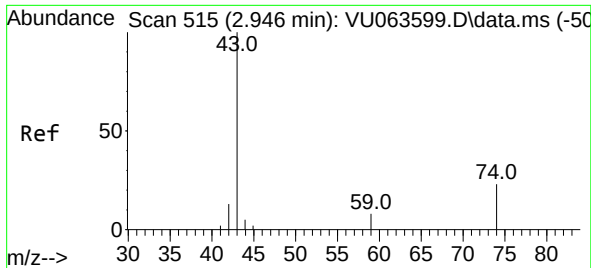
Tgt Ion: 76 Resp: 122425

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

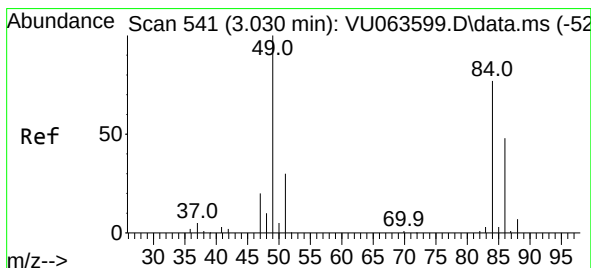
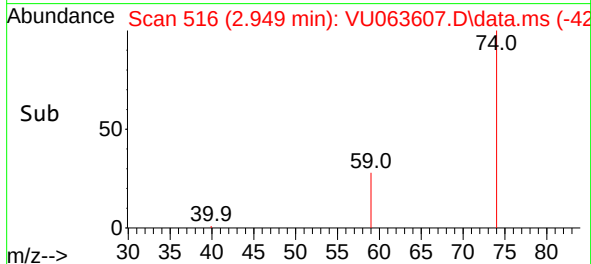
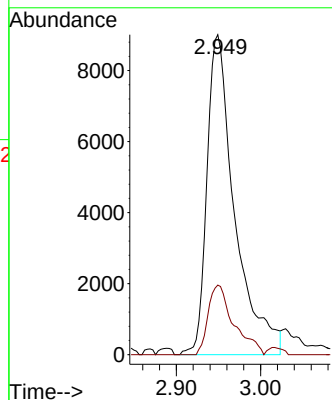
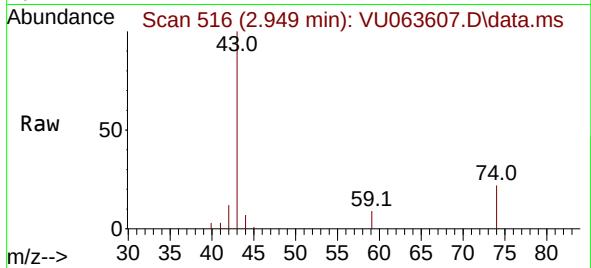




#15
Methyl Acetate
Concen: 4.520 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.006 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

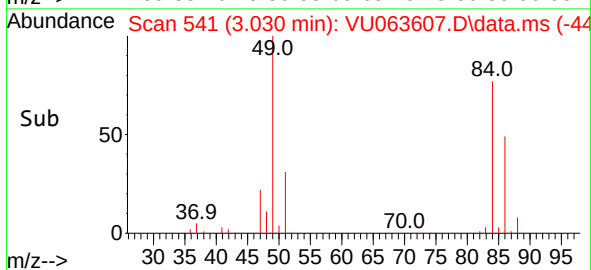
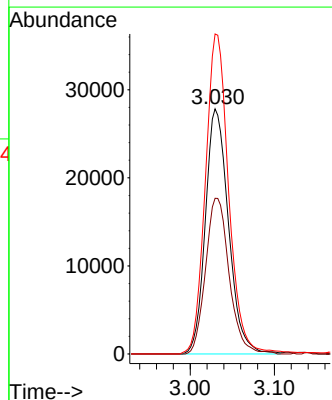
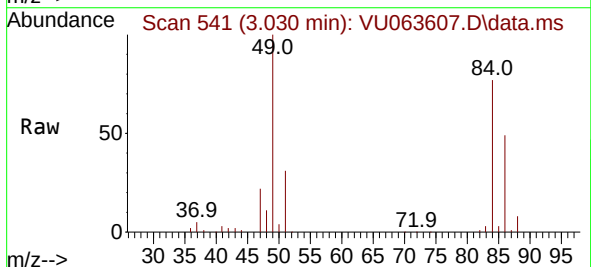
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ClientSampleId :
VSTD005146

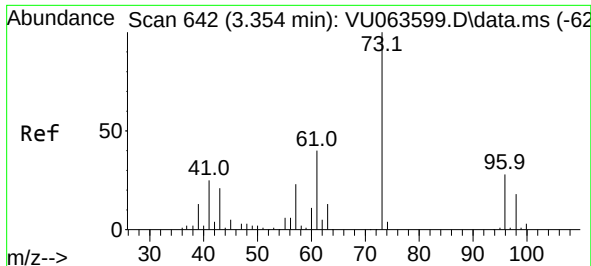
Tgt Ion: 43 Resp: 20646
Ion Ratio Lower Upper
43 100
74 20.0 18.2 27.2



#16
Methylene chloride
Concen: 4.535 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 84 Resp: 53276
Ion Ratio Lower Upper
84 100
86 63.5 43.1 80.1
49 130.5 90.6 168.2

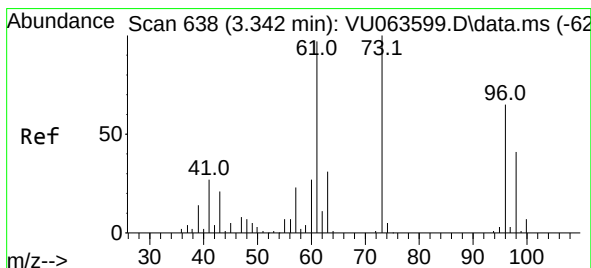
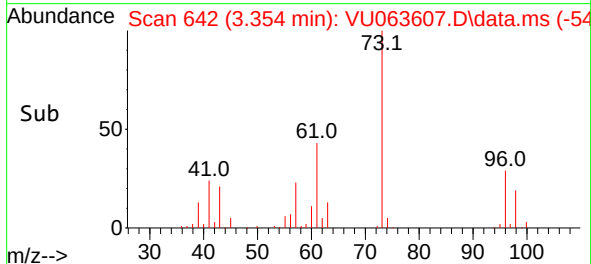
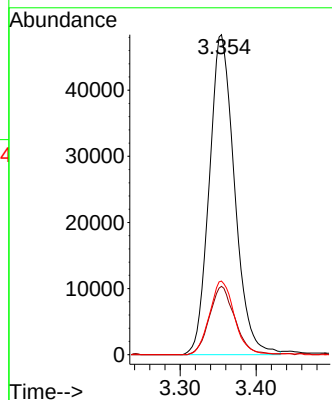
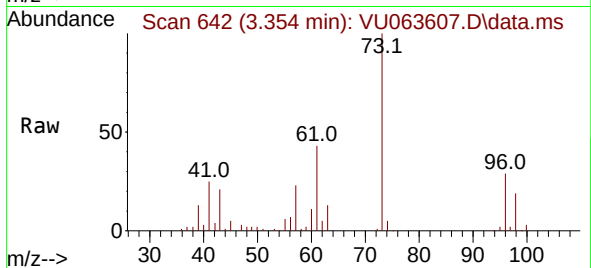




#17
Methyl tert-butyl Ether
Concen: 4.515 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

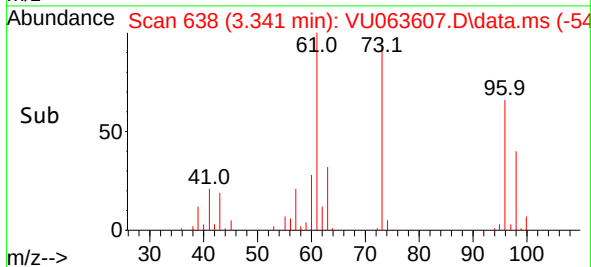
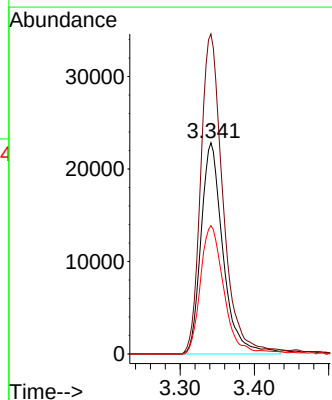
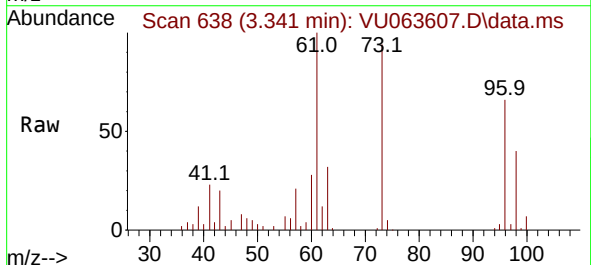
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

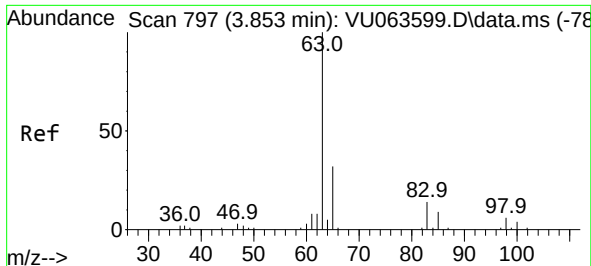
Tgt Ion: 73 Resp: 111734
Ion Ratio Lower Upper
73 100
43 21.5 17.0 25.4
57 22.7 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.531 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 96 Resp: 47000
Ion Ratio Lower Upper
96 100
61 151.5 104.9 194.7
98 60.7 44.3 82.3

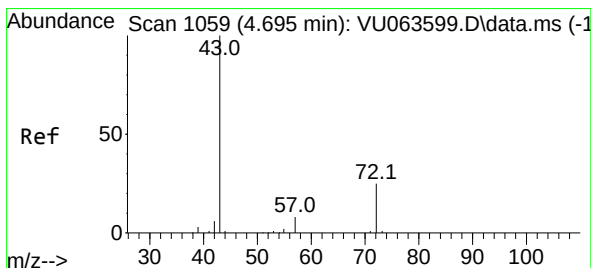
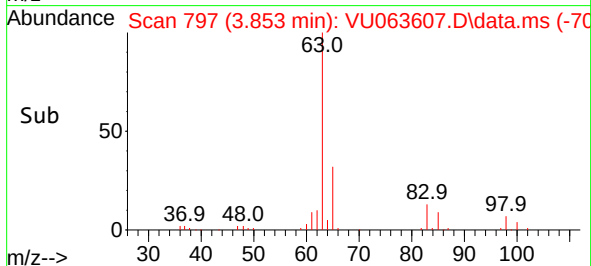
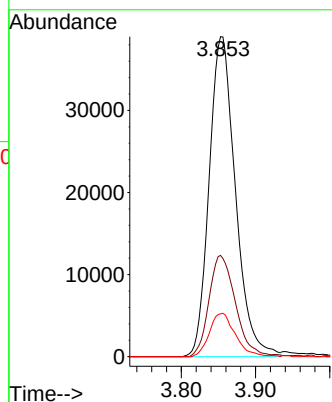
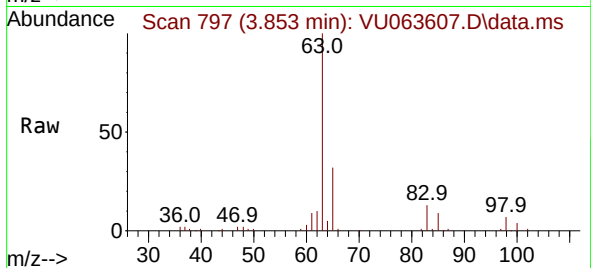




#19
1,1-Dichloroethane
Concen: 4.536 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

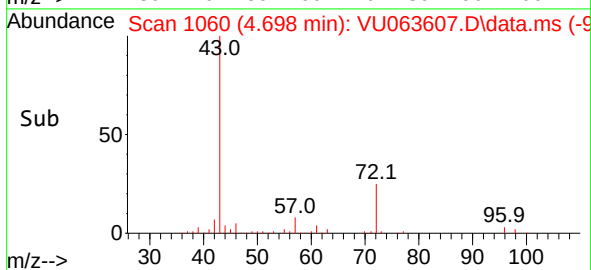
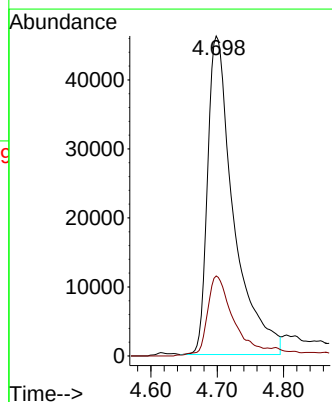
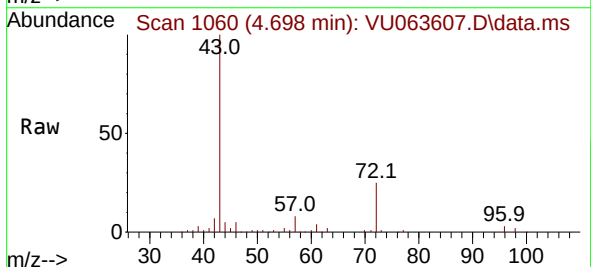
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

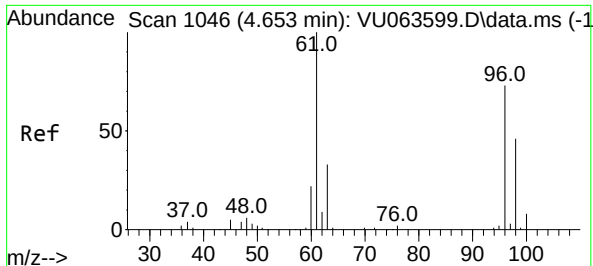
Tgt Ion: 63 Resp: 95847
Ion Ratio Lower Upper
63 100
65 31.7 22.1 41.1
83 13.4 9.7 17.9



#21
2-Butanone
Concen: 43.085 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.010 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 43 Resp: 126052
Ion Ratio Lower Upper
43 100
72 24.9 11.9 35.7

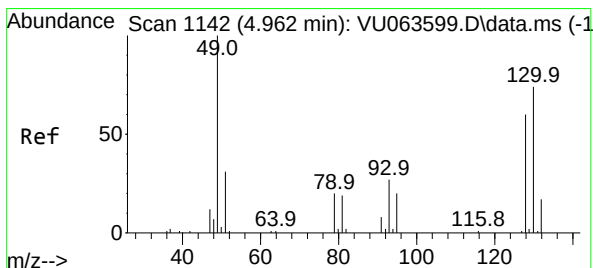
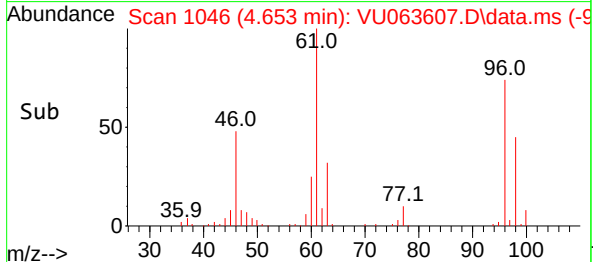
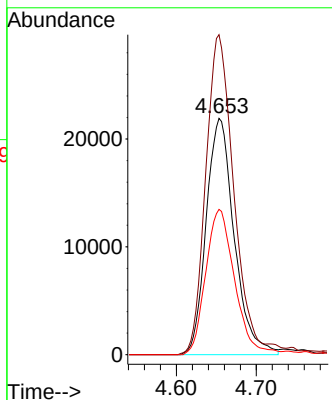
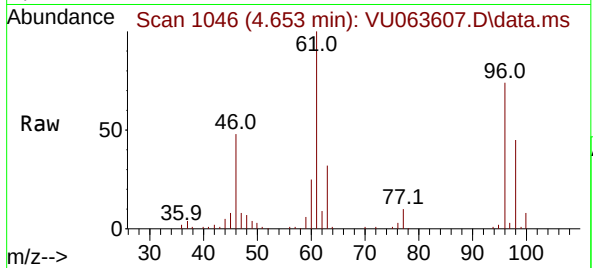




#22
 cis-1,2-Dichloroethene
 Concen: 4.528 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

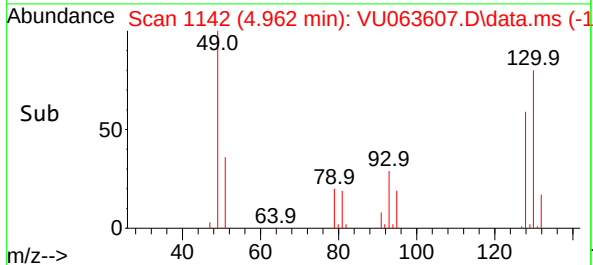
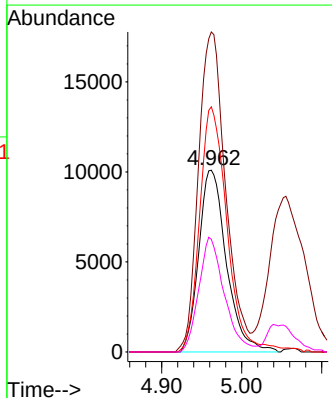
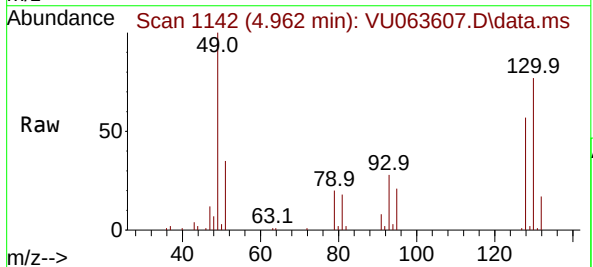
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

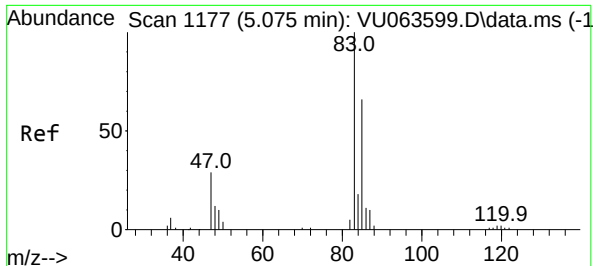
Tgt Ion:	96	Resp:	53419
Ion	Ratio	Lower	Upper
96	100		
61	135.4	95.8	177.8
98	61.5	43.5	80.9



#23
 Bromochloromethane
 Concen: 4.639 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. -0.003 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

Tgt Ion:	128	Resp:	24241
Ion	Ratio	Lower	Upper
128	100		
49	176.0	118.4	219.8
130	134.8	87.6	162.6
51	61.9	41.8	62.6





#25

Chloroform

Concen: 4.520 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

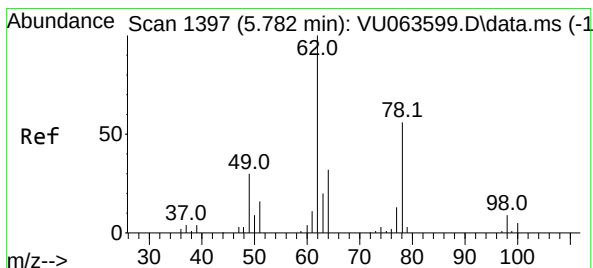
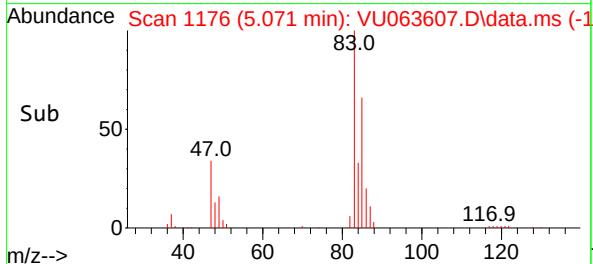
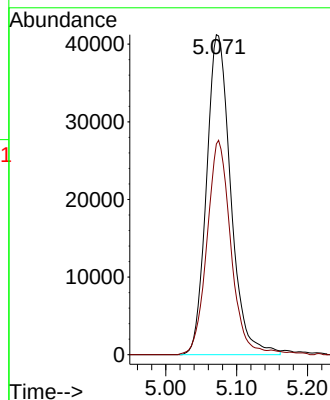
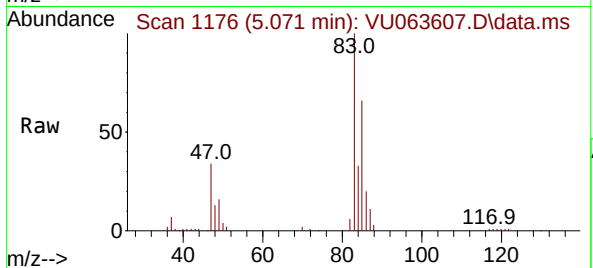
VSTD005146

Tgt Ion: 83 Resp: 97897

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.503 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063607.D

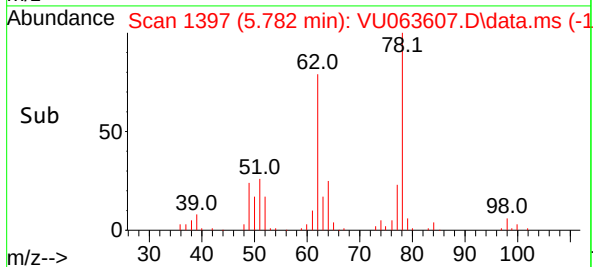
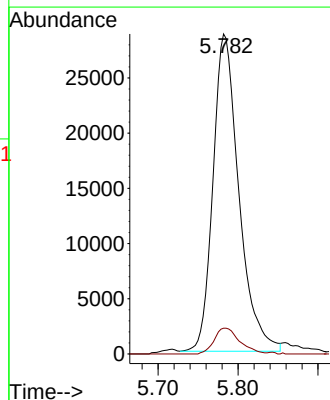
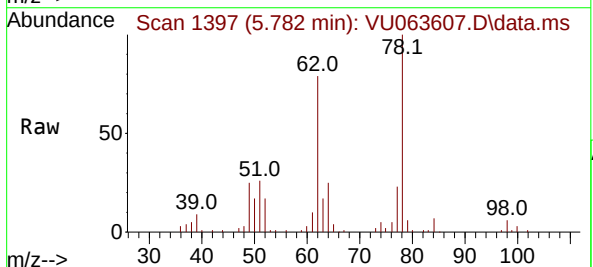
Acq: 18 Sep 2025 08:38

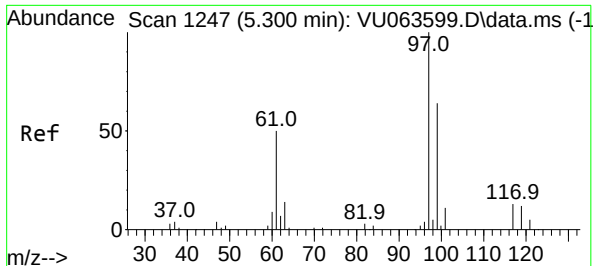
Tgt Ion: 62 Resp: 64636

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.4

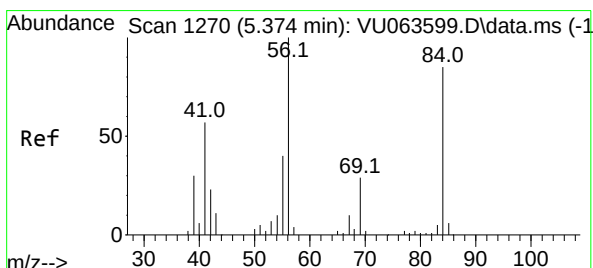
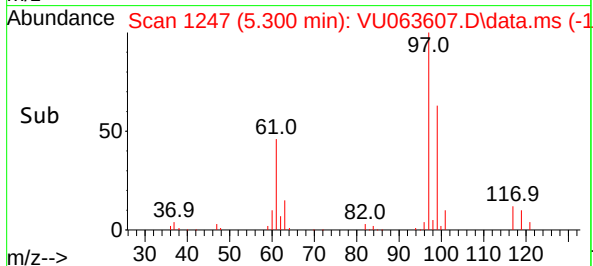
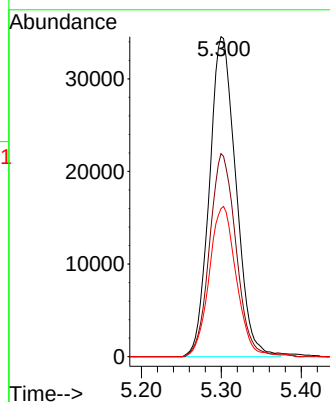
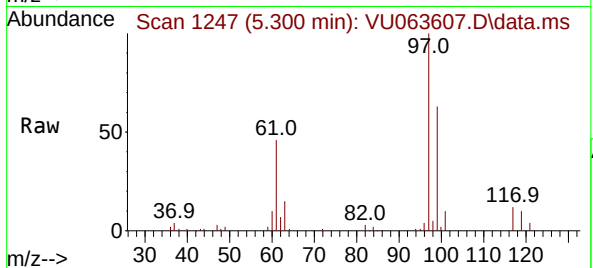




#29
1,1,1-Trichloroethane
Concen: 4.778 ug/L
RT: 5.300 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

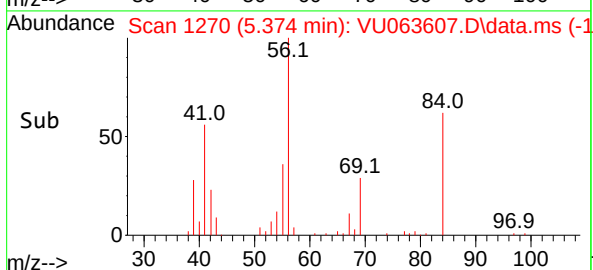
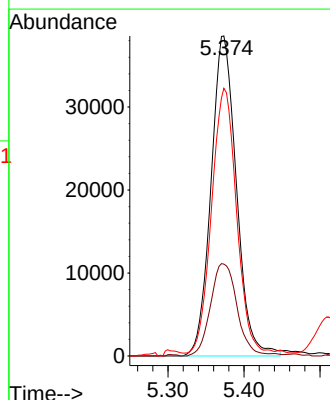
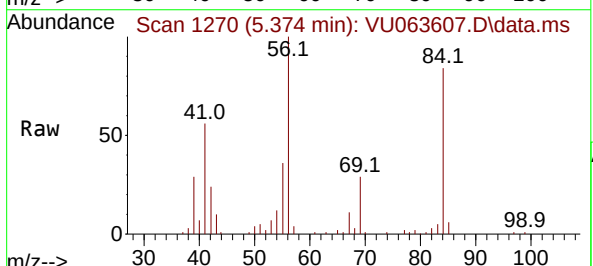
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

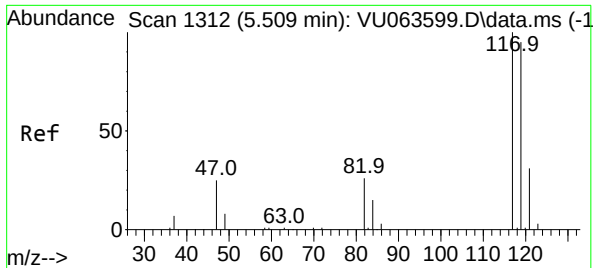
Tgt Ion:	97	Resp:	79575
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.6
61	47.9	39.9	59.9



#30
Cyclohexane
Concen: 4.550 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:	56	Resp:	89393
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.2	34.8
84	80.8	65.0	97.4

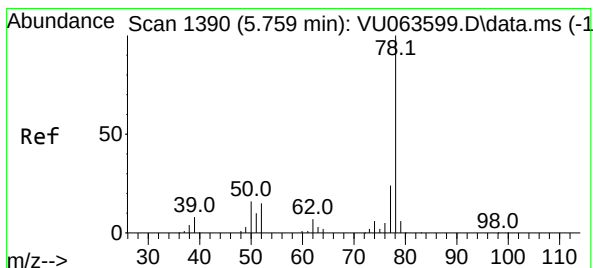
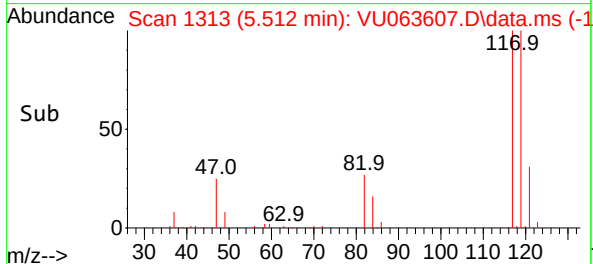
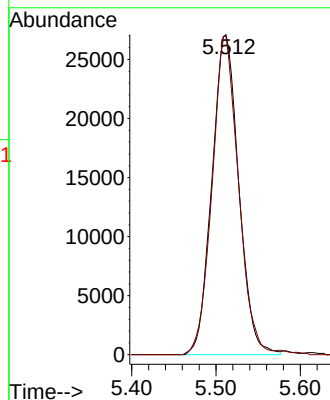
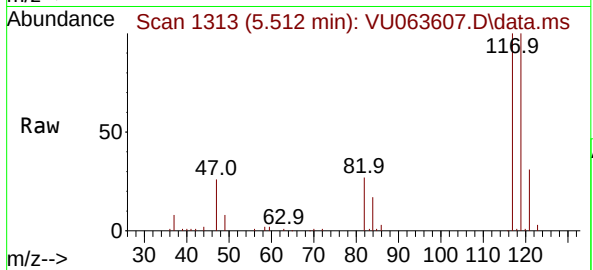




#31
Carbon tetrachloride
Concen: 4.587 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

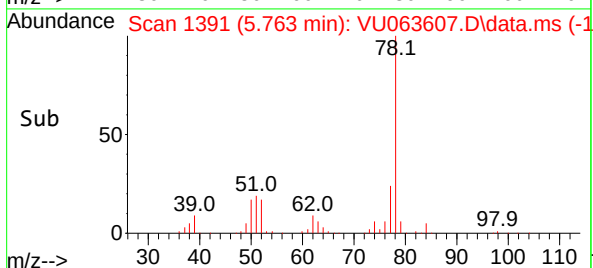
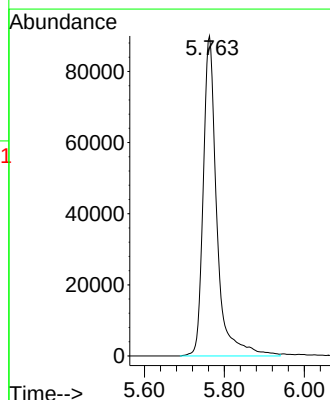
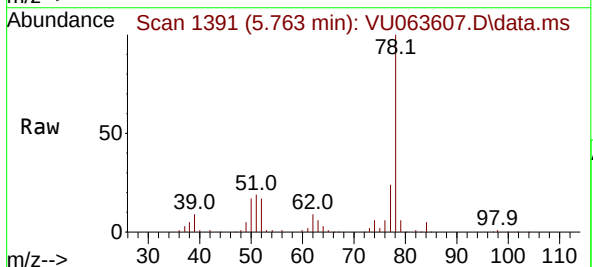
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

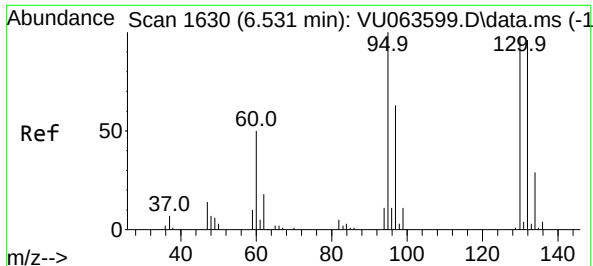
Tgt Ion:117 Resp: 59809
Ion Ratio Lower Upper
117 100
119 97.7 76.8 115.2



#33
Benzene
Concen: 4.703 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 78 Resp: 213587



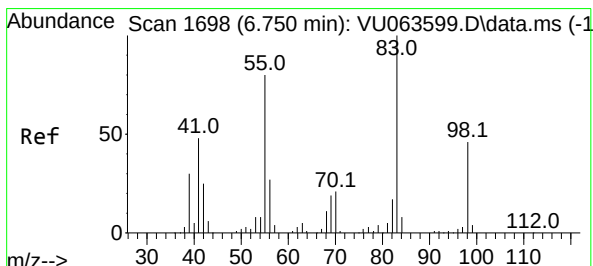
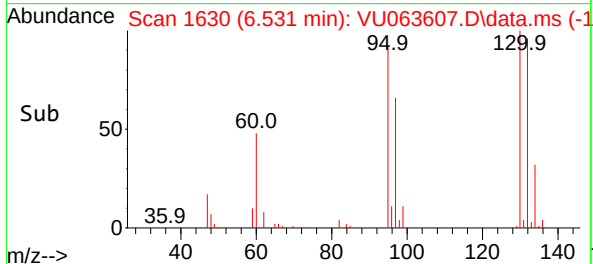
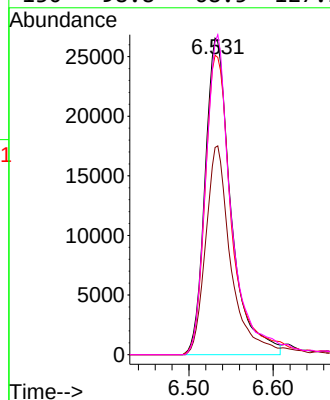
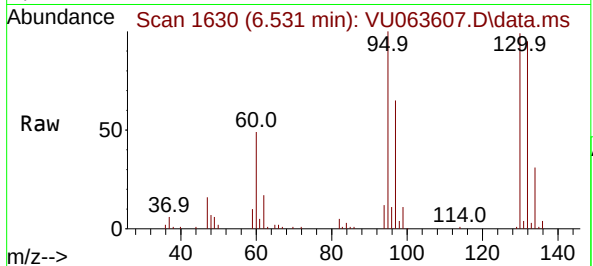


#34
Trichloroethene
Concen: 4.561 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

Tgt Ion: 95 Resp: 56809

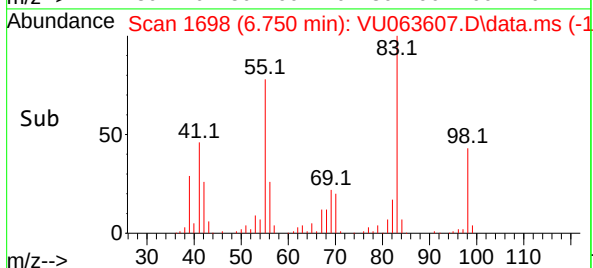
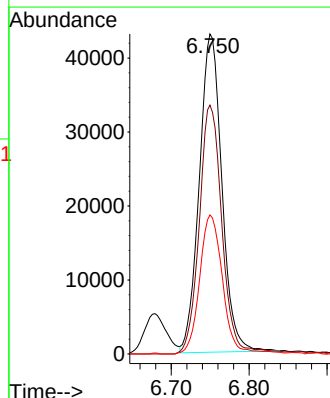
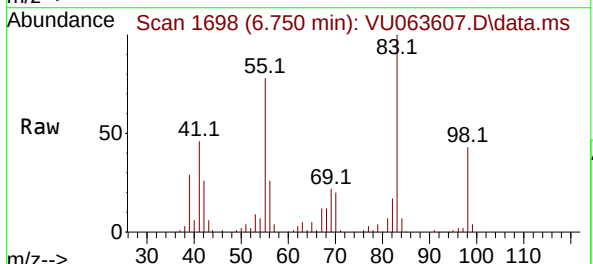
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.0	81.6
132	94.6	67.1	124.5
130	98.8	68.5	127.1

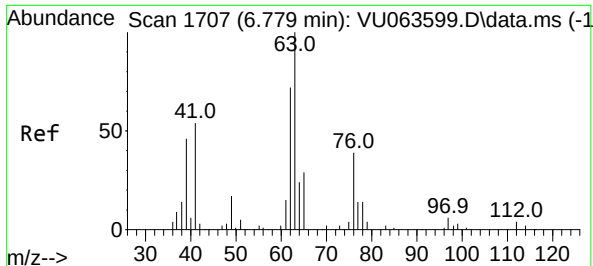


#35
Methylcyclohexane
Concen: 4.561 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 83 Resp: 86648

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.9	95.9
98	44.5	36.2	54.2





#37

1,2-Dichloropropane

Concen: 4.763 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

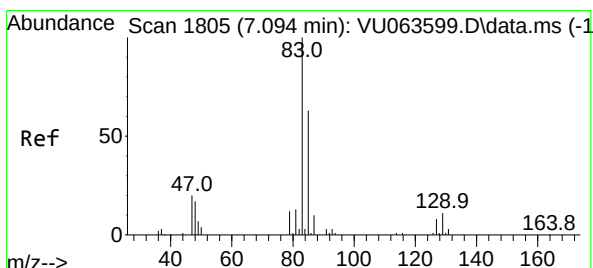
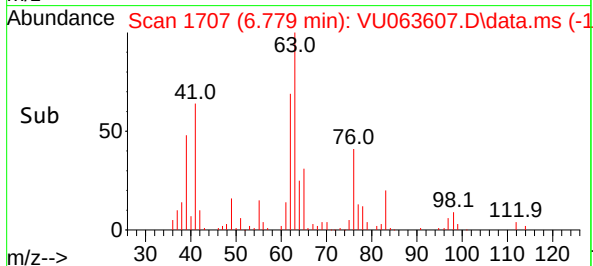
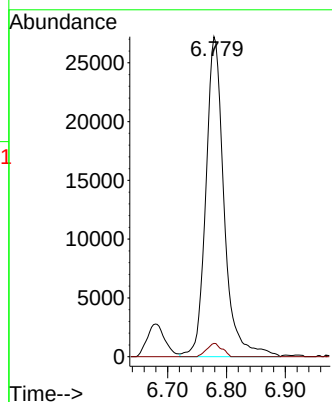
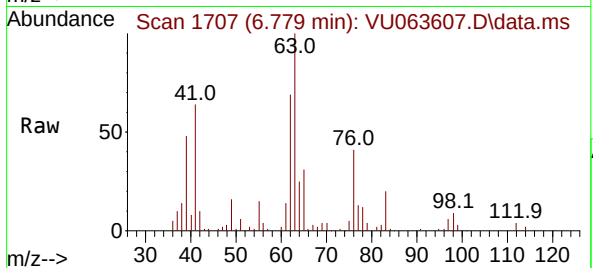
VSTD005146

Tgt Ion: 63 Resp: 58602

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 4.779 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.003 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

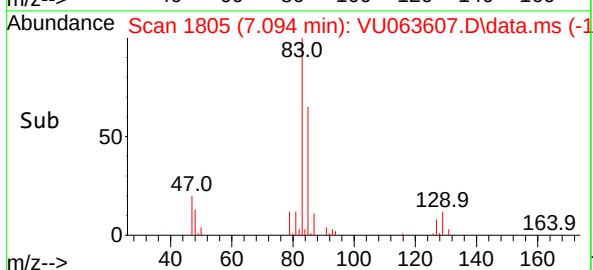
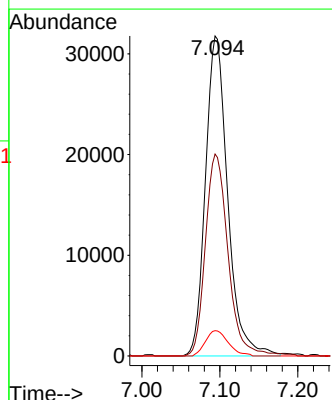
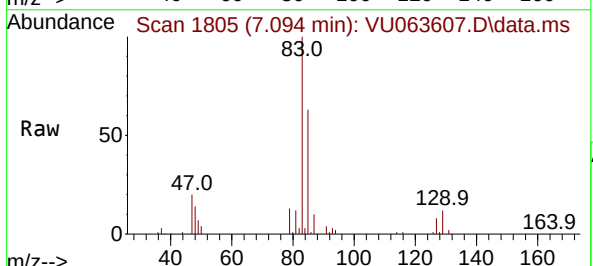
Tgt Ion: 83 Resp: 62886

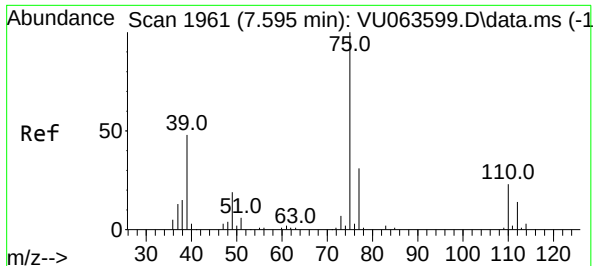
Ion Ratio Lower Upper

83 100

85 63.1 44.4 82.4

127 7.9 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.618 ug/L

RT: 7.599 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

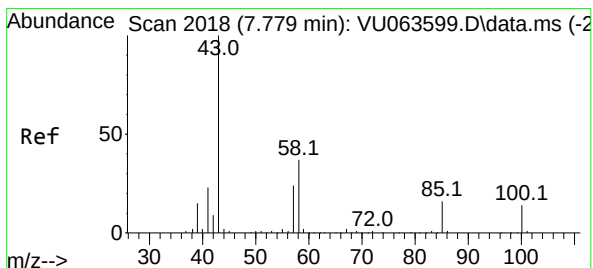
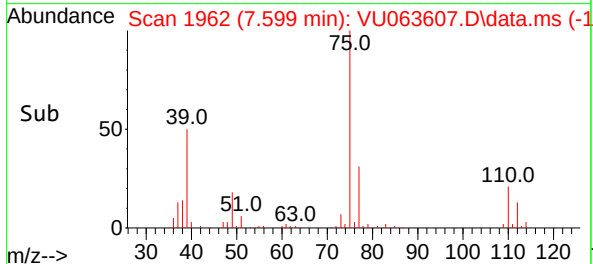
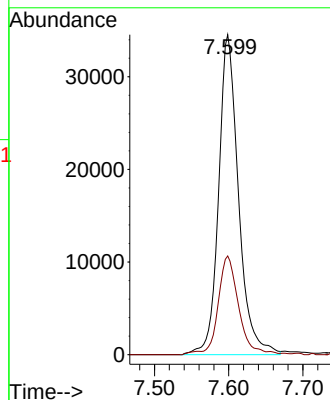
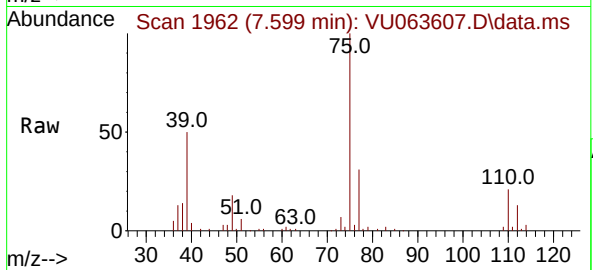
VSTD005146

Tgt Ion: 75 Resp: 64430

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 46.223 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

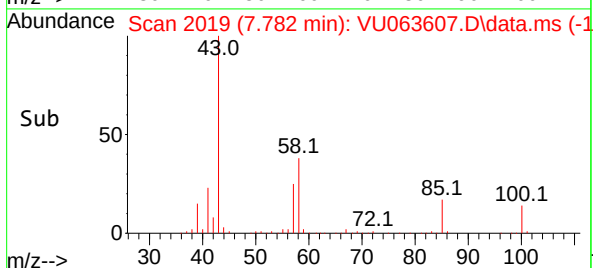
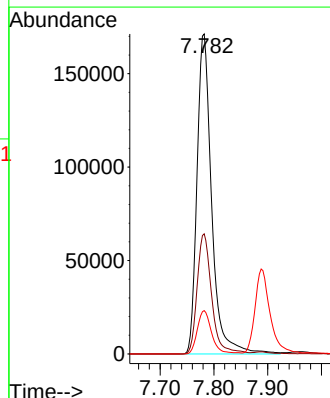
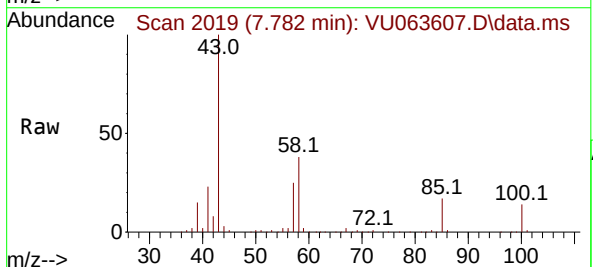
Tgt Ion: 43 Resp: 325481

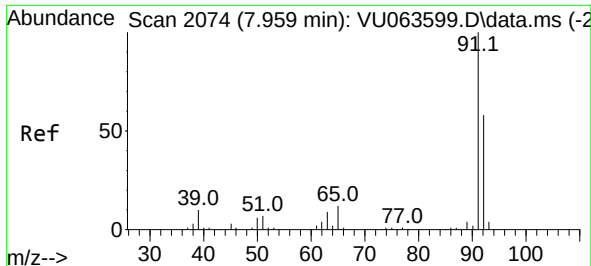
Ion Ratio Lower Upper

43 100

58 37.1 29.6 44.4

100 13.2 10.6 16.0





#42

Toluene

Concen: 4.546 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

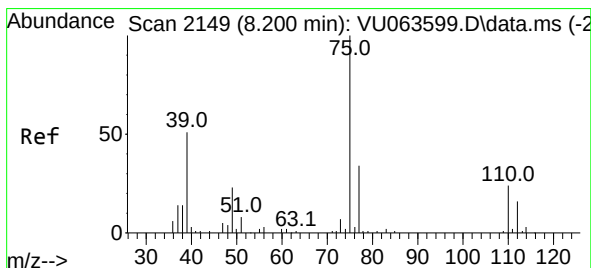
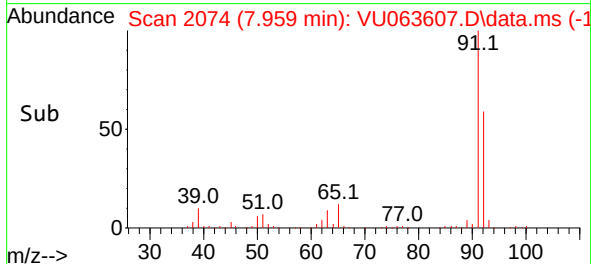
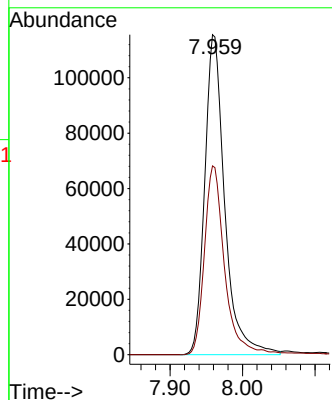
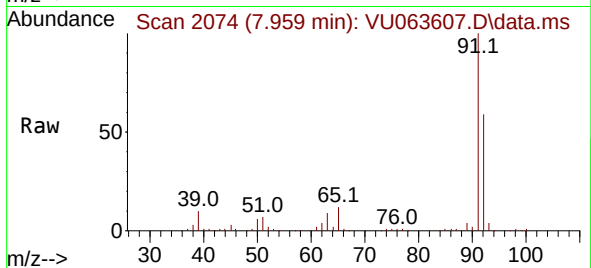
VSTD005146

Tgt Ion: 91 Resp: 221417

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.651 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063607.D

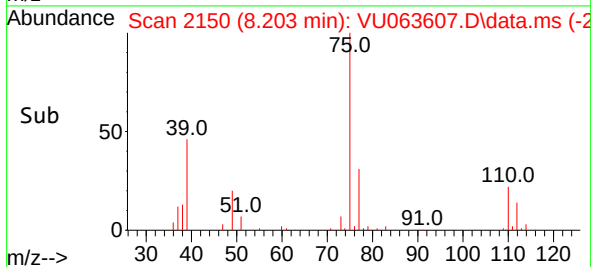
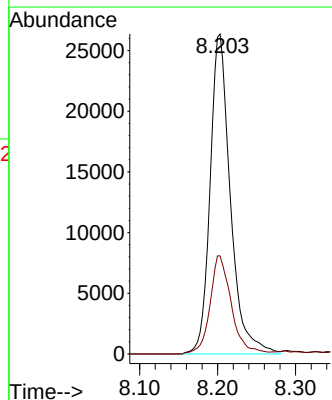
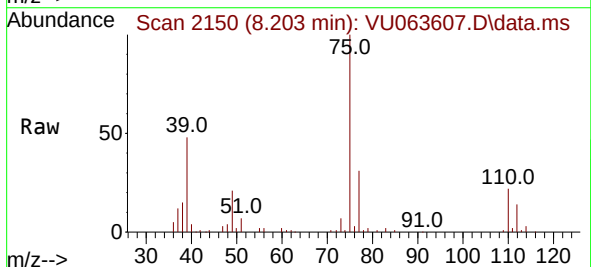
Acq: 18 Sep 2025 08:38

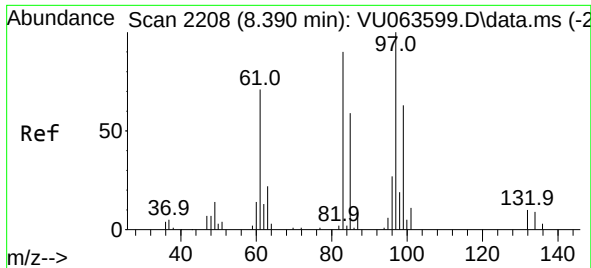
Tgt Ion: 75 Resp: 47676

Ion Ratio Lower Upper

75 100

77 30.7 23.7 44.1

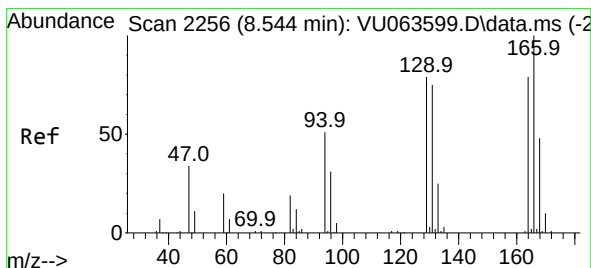
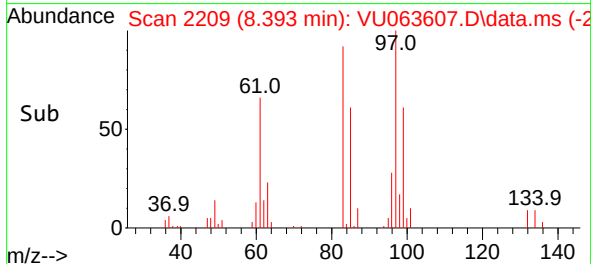
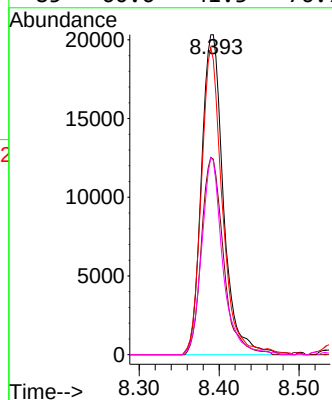
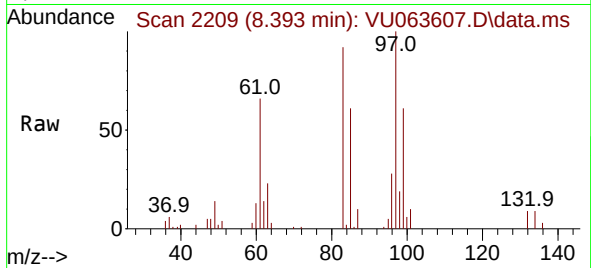




#45
1,1,2-Trichloroethane
Concen: 4.612 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

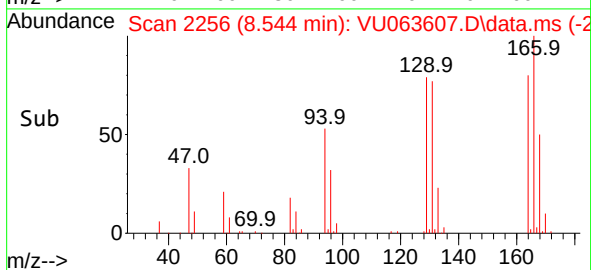
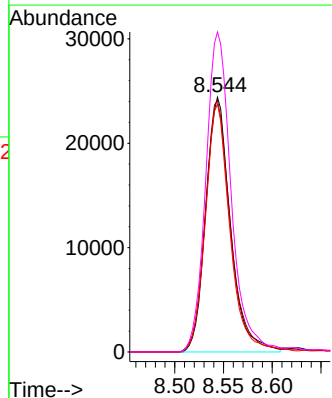
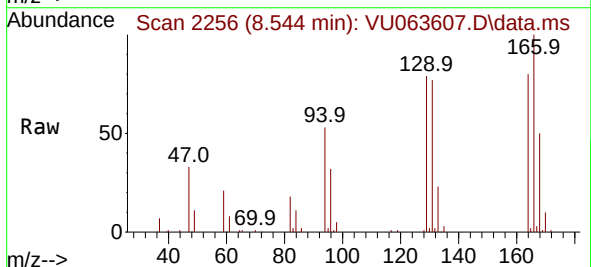
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

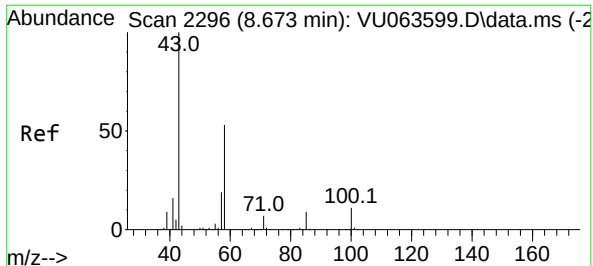
Tgt Ion:	97	Resp:	38843
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.6
83	92.2	63.1	117.3
85	60.6	41.3	76.7



#47
Tetrachloroethene
Concen: 4.535 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:	164	Resp:	43120
Ion	Ratio	Lower	Upper
164	100		
129	98.8	70.0	130.0
131	97.3	67.1	124.5
166	125.6	89.0	165.2

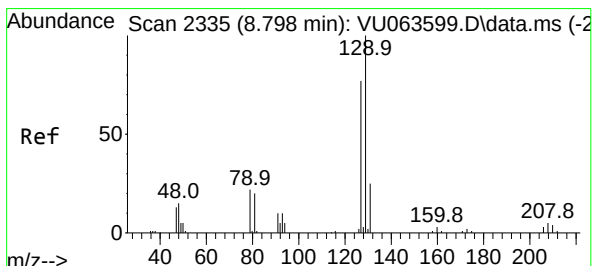
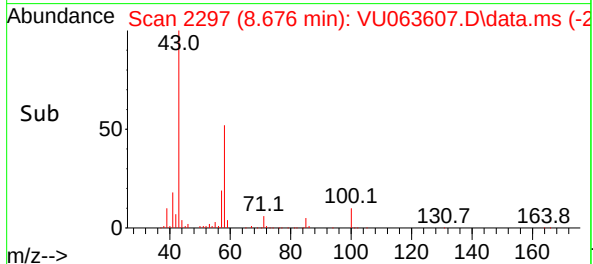
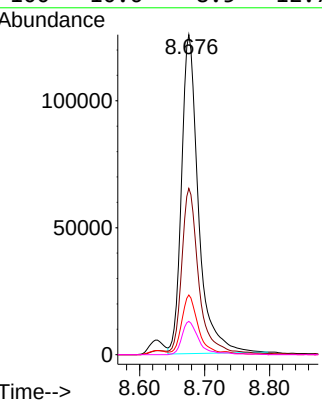
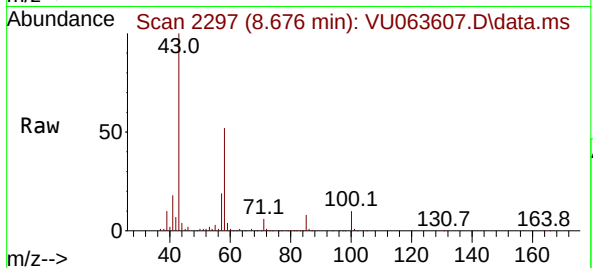




#48
2-Hexanone
Concen: 46.249 ug/L
RT: 8.676 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

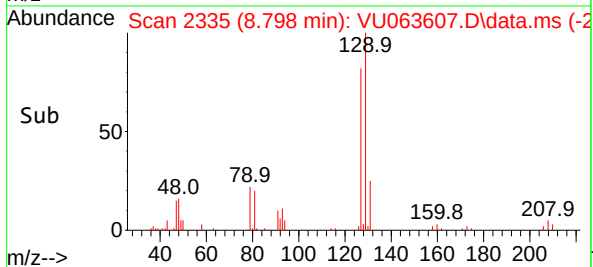
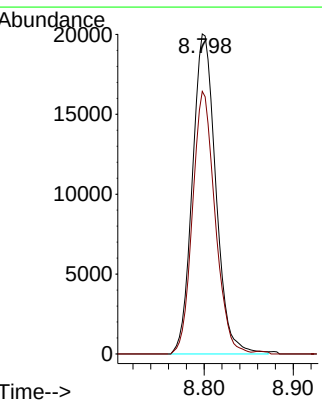
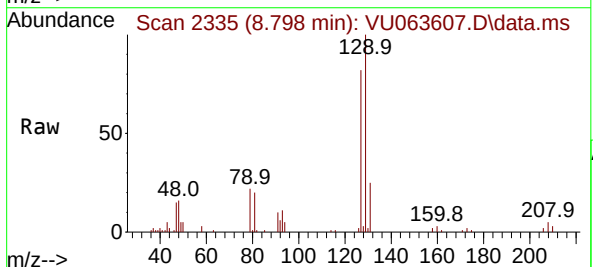
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

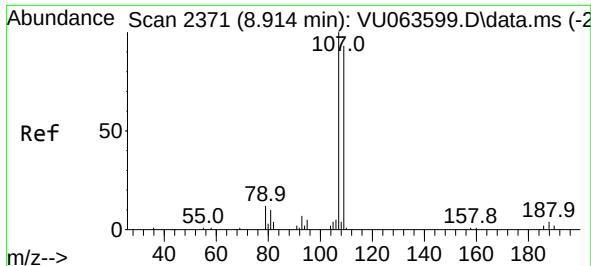
Tgt Ion:	43	Resp:	228452
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.2	63.2
57	16.7	15.0	22.4
100	10.6	8.5	12.7



#49
Dibromochloromethane
Concen: 4.738 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:	129	Resp:	36484
Ion	Ratio	Lower	Upper
129	100		
127	82.1	54.3	100.8





#50

1,2-Dibromoethane

Concen: 4.571 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

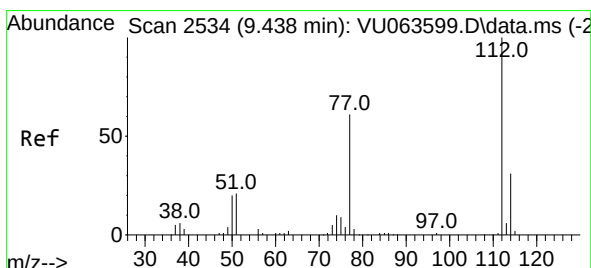
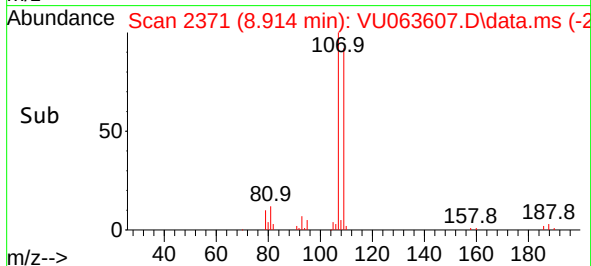
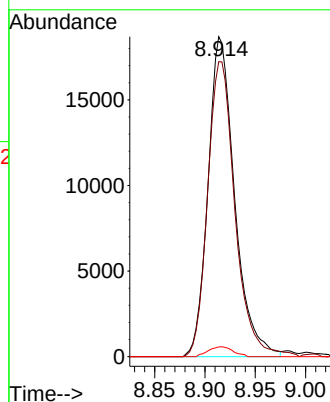
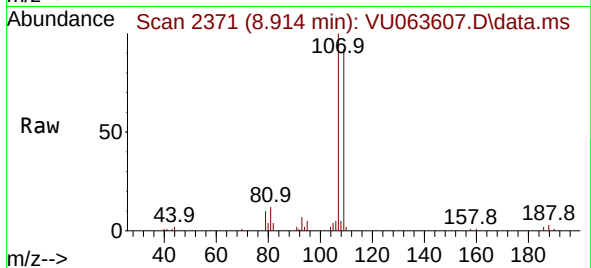
Tgt Ion:107 Resp: 34347

Ion Ratio Lower Upper

107 100

109 92.2 65.4 121.4

188 3.0 2.8 4.2



#51

Chlorobenzene

Concen: 4.575 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

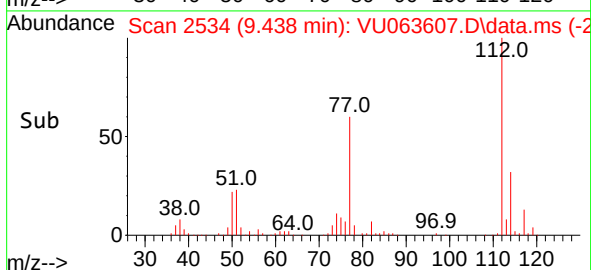
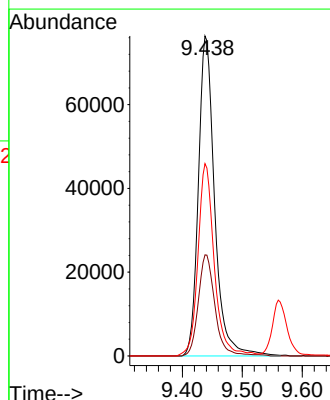
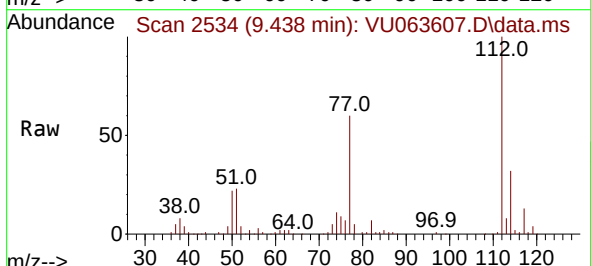
Tgt Ion:112 Resp: 144326

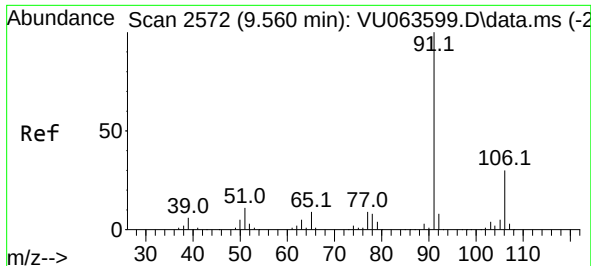
Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

77 60.1 48.9 73.3

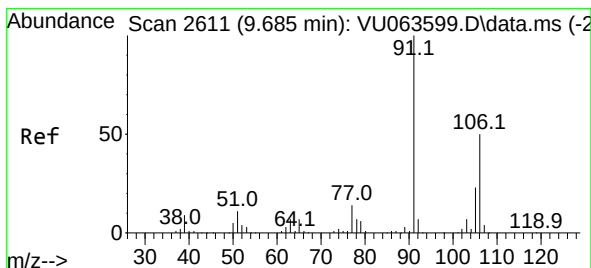
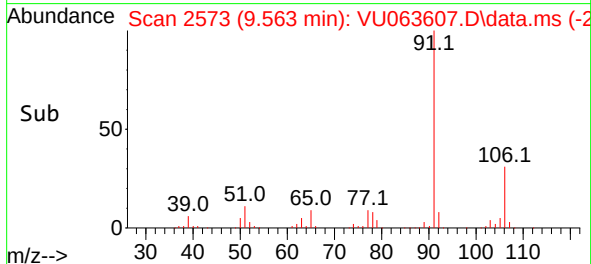
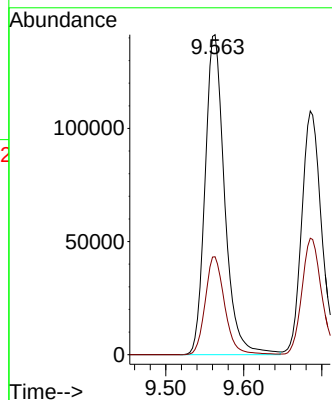
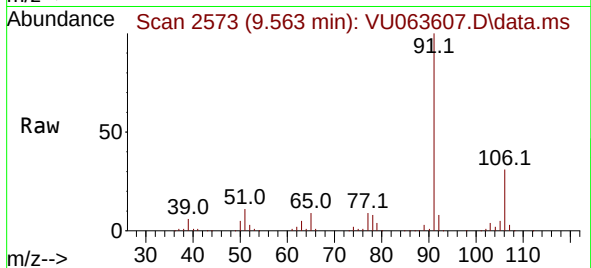




#52
Ethylbenzene
Concen: 4.598 ug/L
RT: 9.563 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

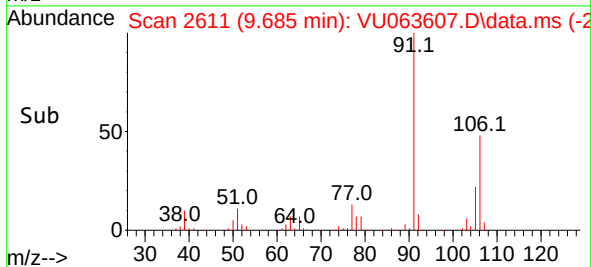
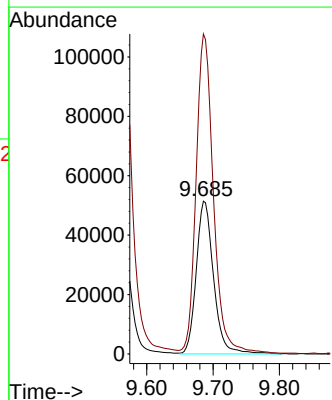
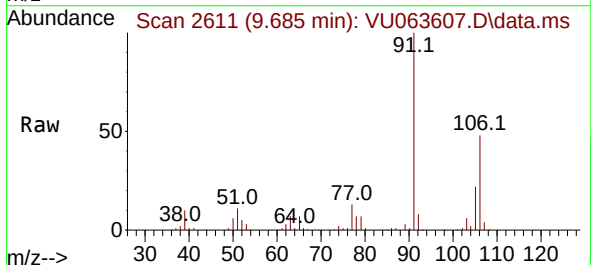
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

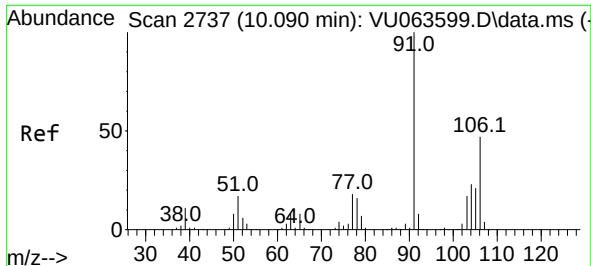
Tgt Ion: 91 Resp: 246527
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 4.650 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 106 Resp: 93522
Ion Ratio Lower Upper
106 100
91 209.4 141.5 262.7

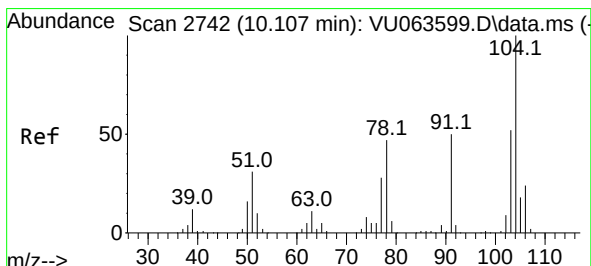
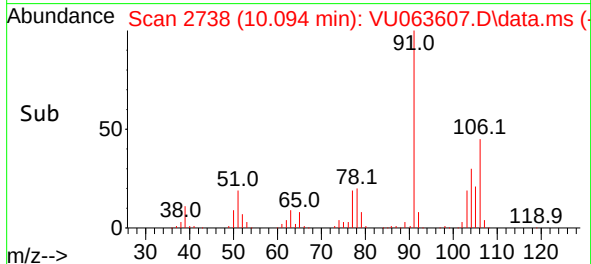
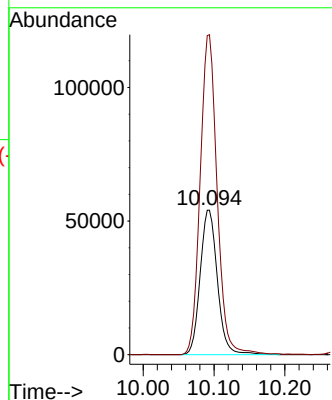
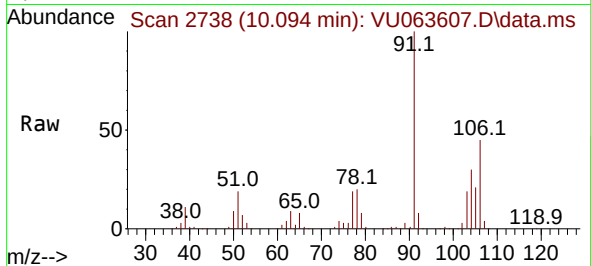




#54
o-Xylene
Concen: 4.690 ug/L
RT: 10.094 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

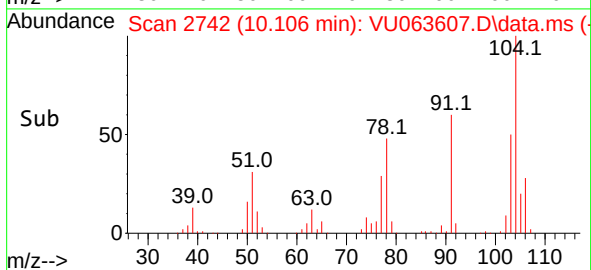
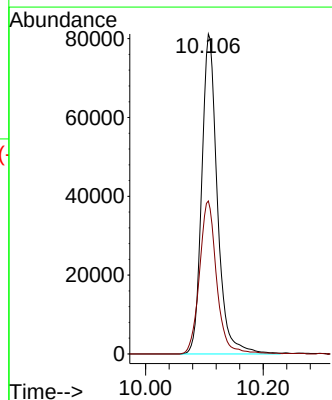
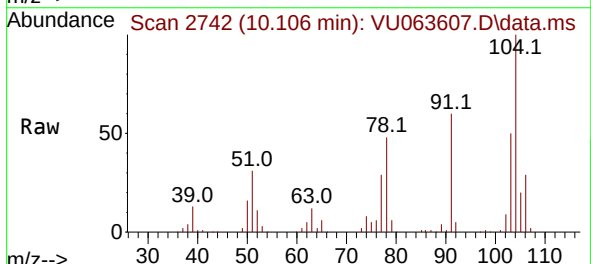
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

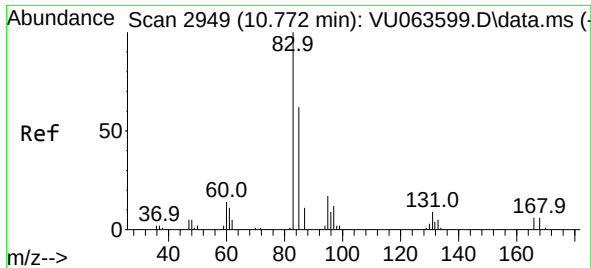
Tgt Ion:106 Resp: 91279
Ion Ratio Lower Upper
106 100
91 221.5 149.4 277.4



#55
Styrene
Concen: 4.687 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:104 Resp: 149653
Ion Ratio Lower Upper
104 100
78 47.8 32.8 61.0

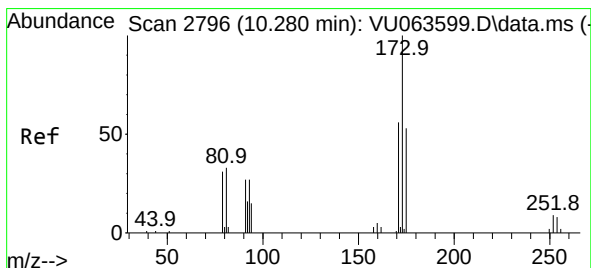
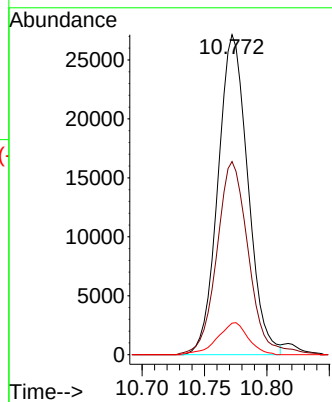
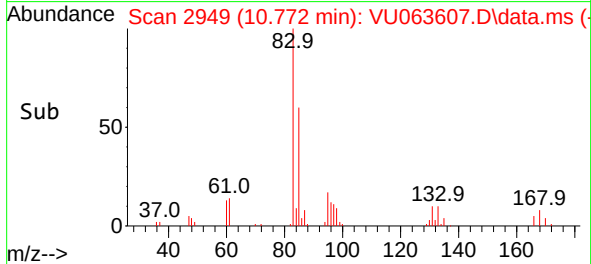
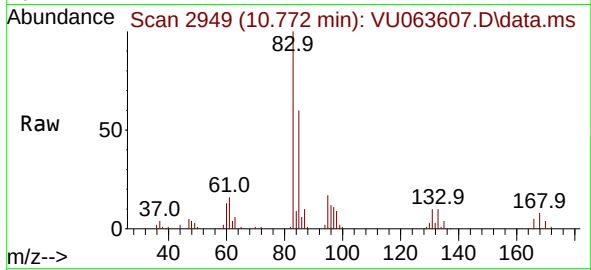




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.505 ug/L
 RT: 10.772 min Scan# 2949
 Delta R.T. 0.000 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

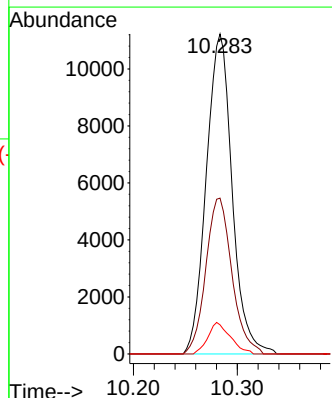
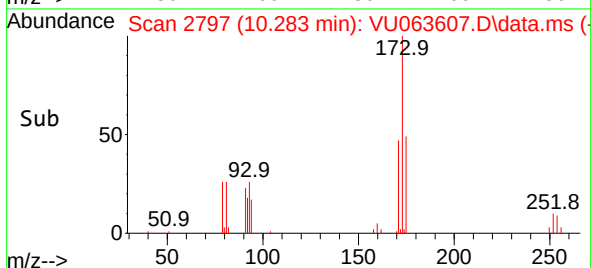
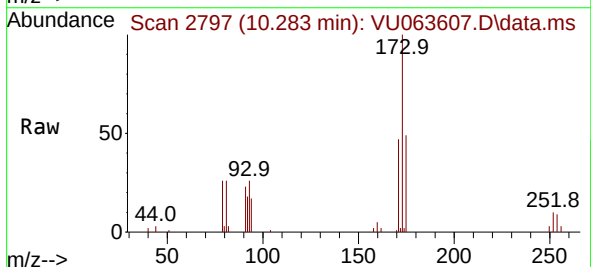
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

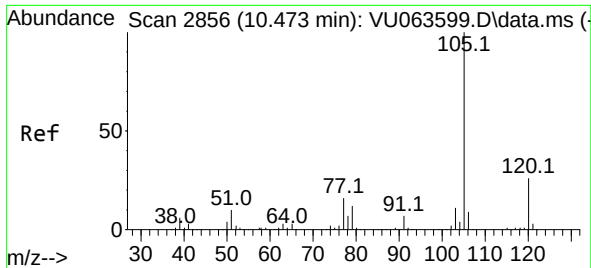
Tgt Ion:	83	Resp:	45325
Ion	Ratio	Lower	Upper
83	100		
85	60.4	43.5	80.7
131	9.9	7.3	10.9



#59
 Bromoform
 Concen: 4.813 ug/L
 RT: 10.283 min Scan# 2797
 Delta R.T. 0.000 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

Tgt Ion:	173	Resp:	19406
Ion	Ratio	Lower	Upper
173	100		
175	49.1	40.3	60.5
254	8.6	6.4	9.6

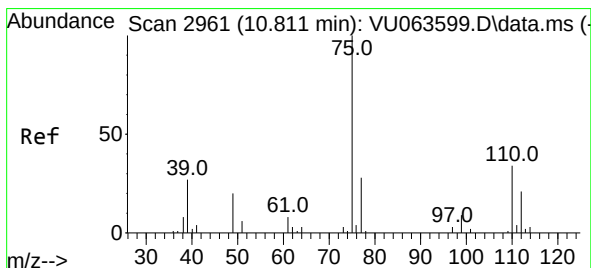
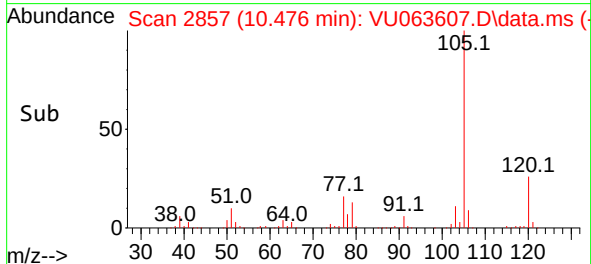
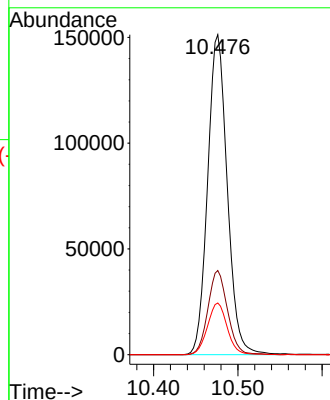
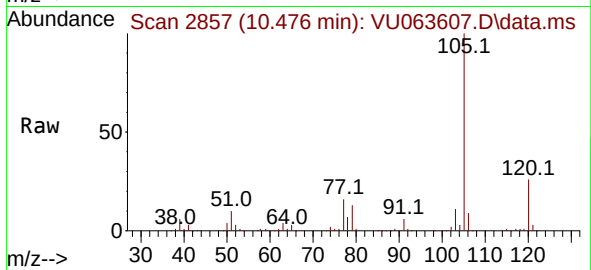




#60
Isopropylbenzene
Concen: 4.574 ug/L
RT: 10.476 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

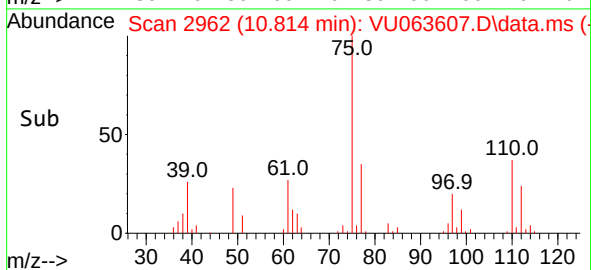
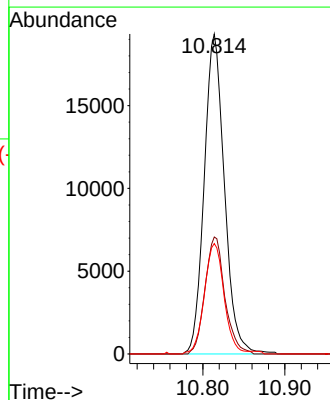
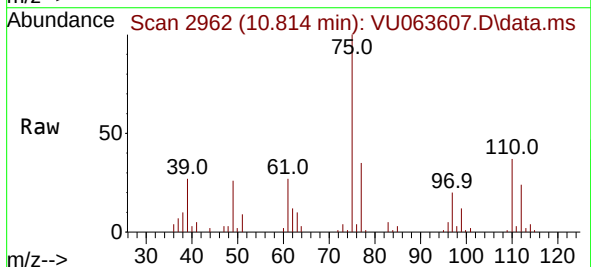
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

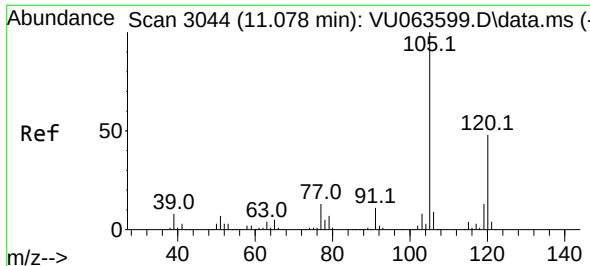
Tgt Ion:105 Resp: 245023
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.493 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion: 75 Resp: 33158
Ion Ratio Lower Upper
75 100
110 35.9 28.3 42.5
77 33.6 25.2 37.8

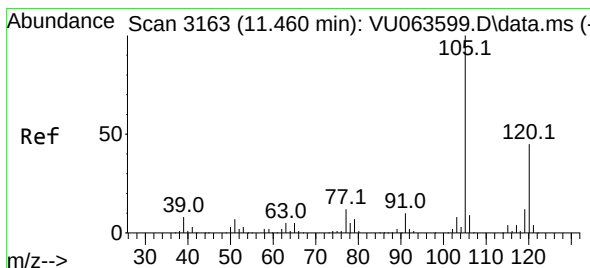
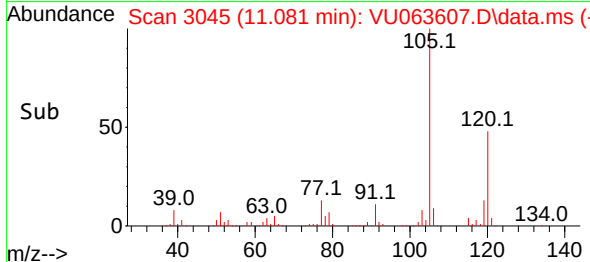
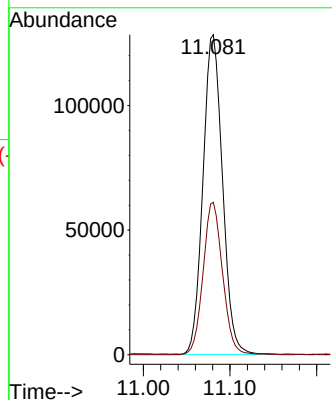
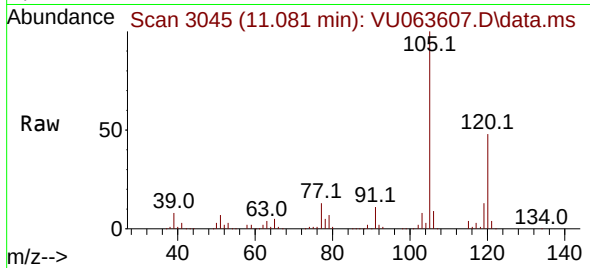




#62
1,3,5-Trimethylbenzene
Concen: 4.606 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

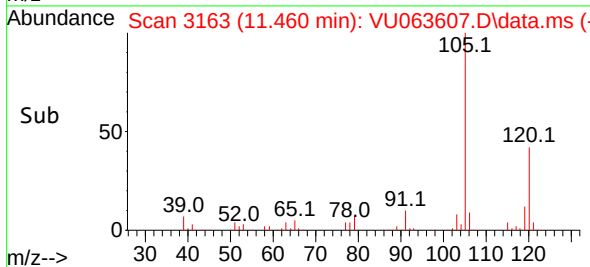
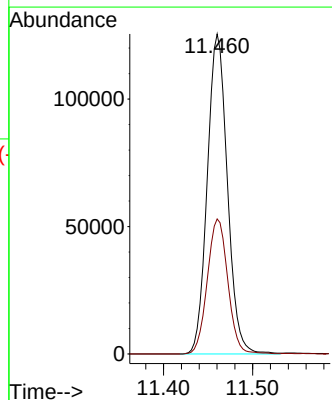
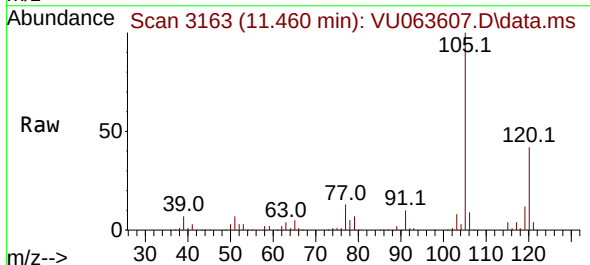
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

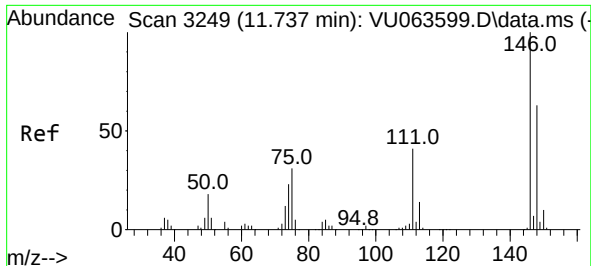
Tgt Ion:105 Resp: 200635
Ion Ratio Lower Upper
105 100
120 47.6 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 4.729 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:105 Resp: 196691
Ion Ratio Lower Upper
105 100
120 43.1 35.3 52.9

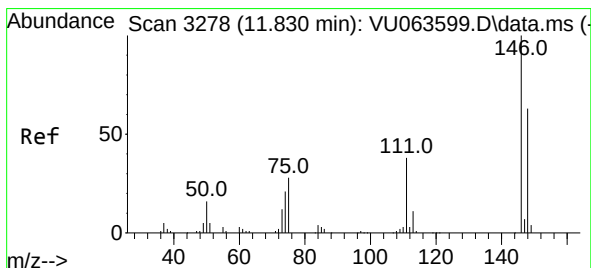
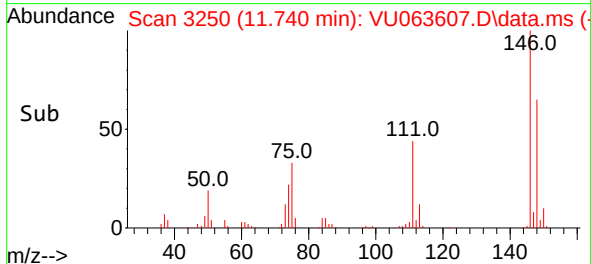
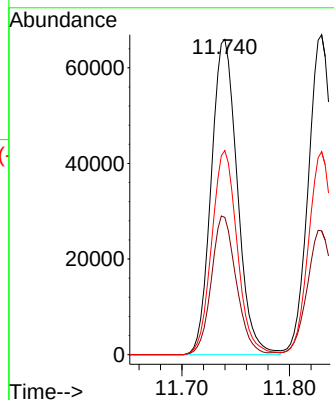
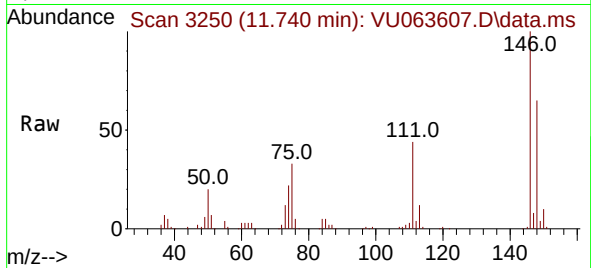




#64
1,3-Dichlorobenzene
Concen: 4.630 ug/L
RT: 11.740 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

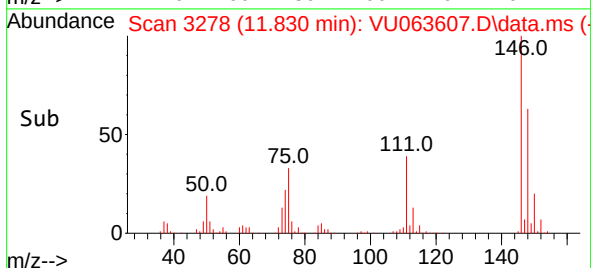
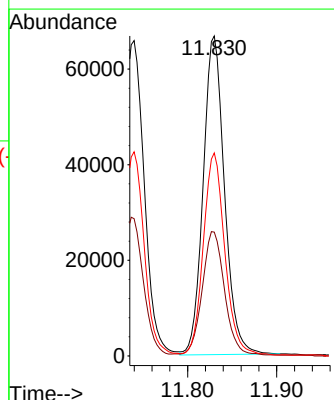
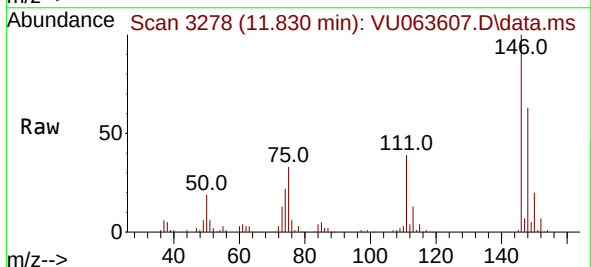
Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

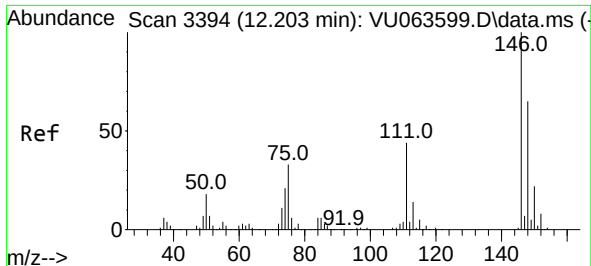
Tgt Ion:146 Resp: 111150
Ion Ratio Lower Upper
146 100
111 43.5 29.0 53.8
148 64.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.567 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:146 Resp: 110698
Ion Ratio Lower Upper
146 100
111 38.7 27.2 50.4
148 63.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.502 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD005146

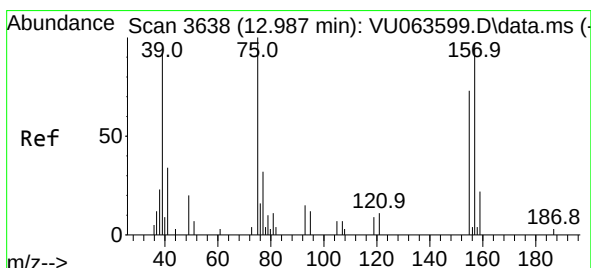
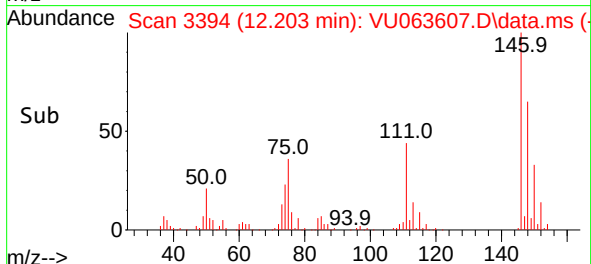
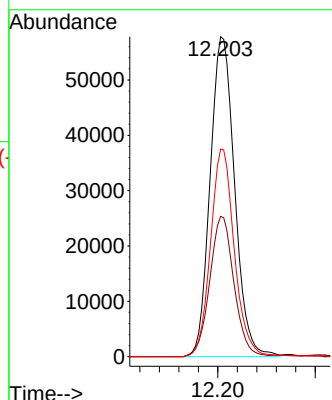
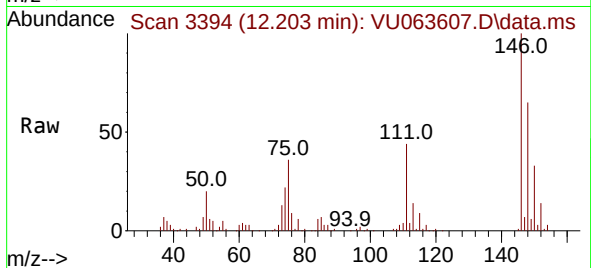
Tgt Ion:146 Resp: 100888

Ion Ratio Lower Upper

146 100

111 43.8 35.5 53.3

148 64.9 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.070 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU063607.D

Acq: 18 Sep 2025 08:38

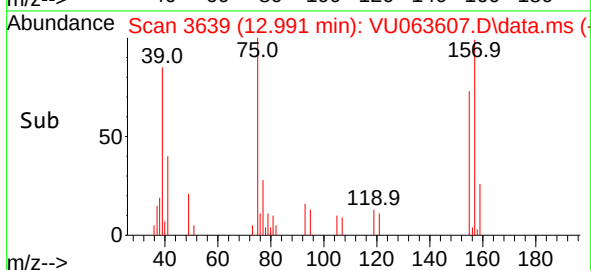
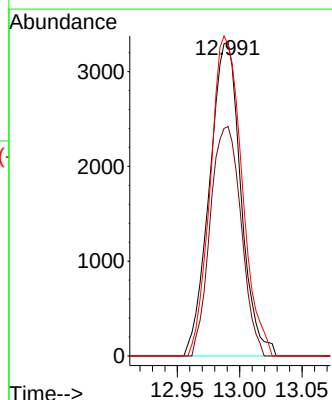
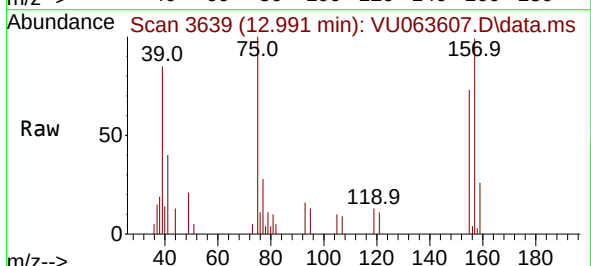
Tgt Ion: 75 Resp: 5779

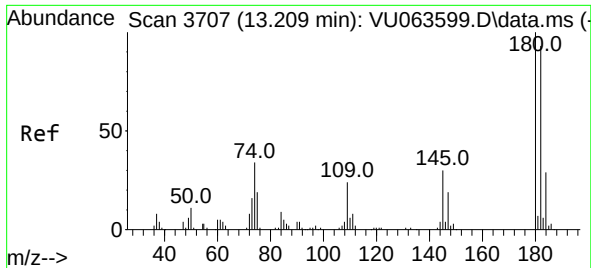
Ion Ratio Lower Upper

75 100

155 73.1 58.4 87.6

157 99.4 77.8 116.8

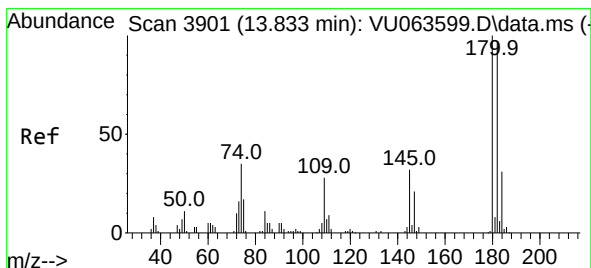
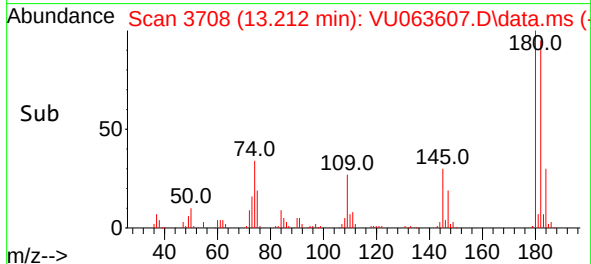
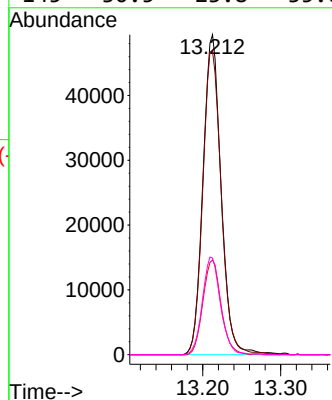
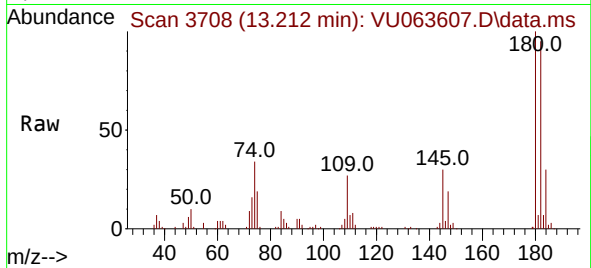




#69
 1,3,5-Trichlorobenzene
 Concen: 4.447 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

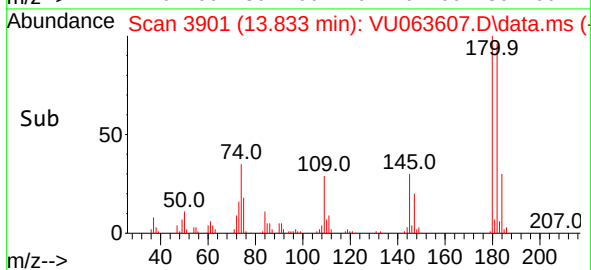
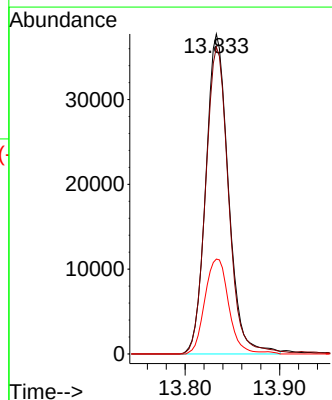
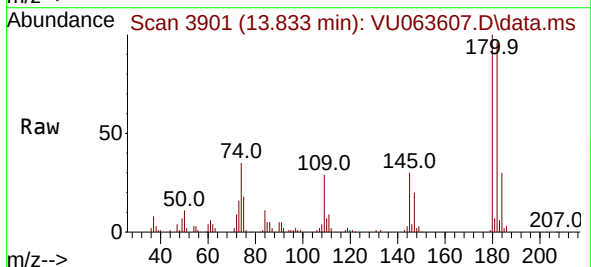
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005146

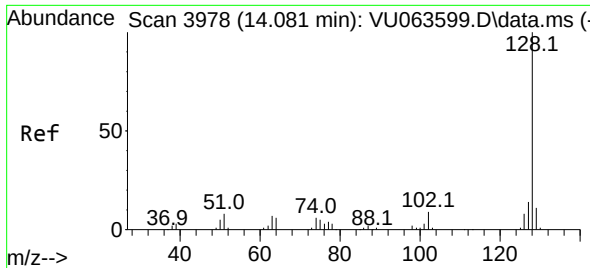
Tgt Ion:180 Resp: 79888
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.6 111.8
 184 29.6 23.4 35.2
 145 30.5 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.533 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063607.D
 Acq: 18 Sep 2025 08:38

Tgt Ion:180 Resp: 62849
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.6 114.8
 145 31.1 25.0 37.4

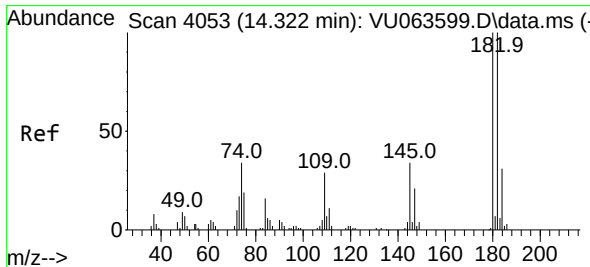
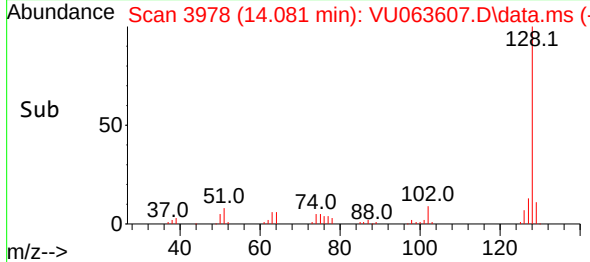
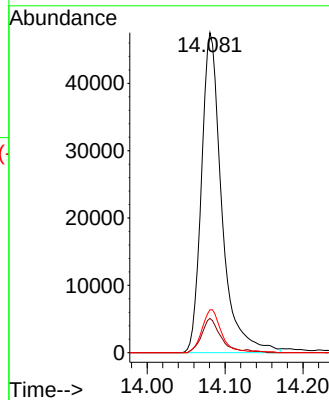
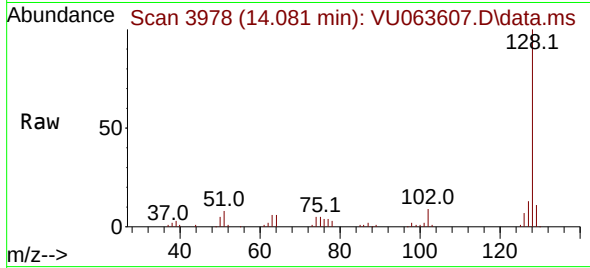




#71
Naphthalene
Concen: 4.145 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD005146

Tgt Ion:128	Resp:	85994
Ion Ratio	Lower	Upper
128	100	
129	9.9	8.8 13.2
127	12.7	11.0 16.4



#72
1,2,3-Trichlorobenzene
Concen: 4.442 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063607.D
Acq: 18 Sep 2025 08:38

Tgt Ion:180	Resp:	52875
Ion Ratio	Lower	Upper
180	100	
182	98.8	78.2 117.2
145	33.6	26.0 39.0

