

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063629.D
 Acq On : 23 Sep 2025 12:09
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

Quant Time: Sep 24 01:11:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	219129	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	215885	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	112321	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	62388	42.448	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.900%
7) Chloroethane-d5	1.895	69	61115	48.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.740%
11) 1,1-Dichloroethene-d2	2.554	63	116440	44.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.660%
21) 2-Butanone-d5	4.615	46	118642	116.992	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.990%
24) Chloroform-d	5.046	84	142386	51.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
26) 1,2-Dichloroethane-d4	5.689	65	98034	54.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.440%
32) Benzene-d6	5.714	84	253036	48.936	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.880%
36) 1,2-Dichloropropane-d6	6.676	67	86364	51.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.260%
41) Toluene-d8	7.888	98	230330	47.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.168	79	27662	45.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
47) 2-Hexanone-d5	8.621	63	70096	113.247	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.250%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	140889	54.165	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.340%
66) 1,2-Dichlorobenzene-d4	12.184	152	96995	51.387	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	50218	42.583	ug/L	99
3) Chloromethane	1.515	50	77380	50.898	ug/L	97
5) Vinyl chloride	1.596	62	83585	46.192	ug/L	98
6) Bromomethane	1.834	94	61080	53.278	ug/L	99
8) Chloroethane	1.914	64	62982	51.382	ug/L	97
9) Trichlorofluoromethane	2.123	101	120224	45.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	63732	43.945	ug/L	99
12) 1,1-Dichloroethene	2.563	96	60311	46.745	ug/L	93
13) Acetone	2.618	43	104259	86.145	ug/L	99
14) Carbon disulfide	2.776	76	141516	42.272	ug/L	99
15) Methyl Acetate	2.940	43	106672	59.417	ug/L	97
16) Methylene chloride	3.030	84	88381	54.178	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	69308	49.891	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	252127	56.103	ug/L	100
19) 1,1-Dichloroethane	3.853	63	149503	52.864	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	90043	55.349	ug/L	95
22) 2-Butanone	4.692	43	141764	101.360	ug/L	99
23) Bromochloromethane	4.959	128	47476	55.696	ug/L	95
25) Chloroform	5.071	83	164930	54.919	ug/L	95

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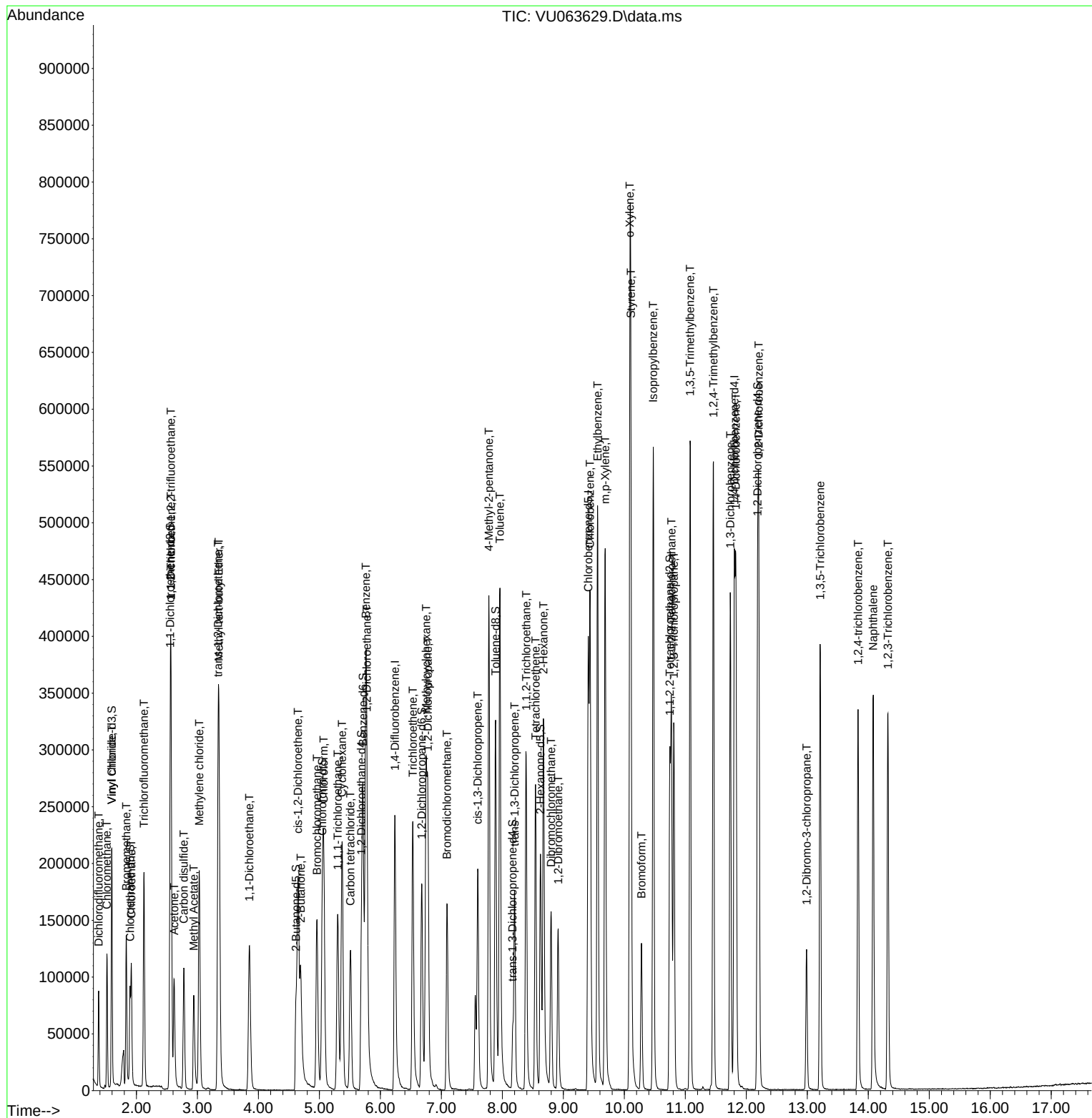
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	138046	55.632	ug/L	98
29) Cyclohexane	5.370	56	111846	44.079	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	113247	47.714	ug/L	100
31) Carbon tetrachloride	5.509	117	84208	44.769	ug/L	99
33) Benzene	5.759	78	333022	53.121	ug/L	100
34) Trichloroethene	6.531	95	87719	49.962	ug/L	99
35) Methylcyclohexane	6.750	83	106762	42.593	ug/L	98
37) 1,2-Dichloropropane	6.779	63	93873	54.066	ug/L	100
38) Bromodichloromethane	7.091	83	110551	53.701	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	113818	50.422	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	291493	116.523	ug/L	100
42) Toluene	7.959	91	351170	51.094	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	98607	51.447	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	96502	57.265	ug/L	95
46) Tetrachloroethene	8.544	164	60036	46.948	ug/L	96
48) 2-Hexanone	8.672	43	216928	114.628	ug/L	97
49) Dibromochloromethane	8.798	129	79775	52.884	ug/L	97
50) 1,2-Dibromoethane	8.914	107	98752	56.581	ug/L	100
51) Chlorobenzene	9.438	112	236458	51.991	ug/L	100
52) Ethylbenzene	9.560	91	378534	49.807	ug/L	100
53) m,p-Xylene	9.685	106	139960	49.366	ug/L	98
54) o-Xylene	10.090	106	144743	51.232	ug/L	97
55) Styrene	10.107	104	247200	53.540	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	164414	57.721	ug/L	97
59) Bromoform	10.280	173	55588	50.823	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	133835	56.518	ug/L	100
61) Isopropylbenzene	10.473	105	366701	47.867	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	307950	48.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	302487	49.523	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	174182	49.890	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	171902	48.668	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	174717	50.892	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	30145	56.760	ug/L	94
69) 1,3,5-Trichlorobenzene	13.209	180	119050	48.774	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	100285	49.765	ug/L	99
71) Naphthalene	14.081	128	286529	52.333	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	98362	50.926	ug/L	98

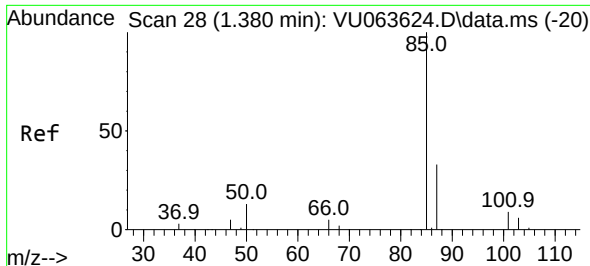
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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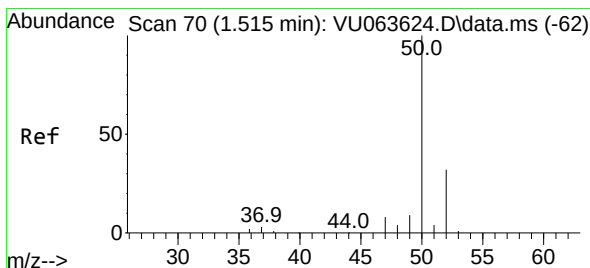
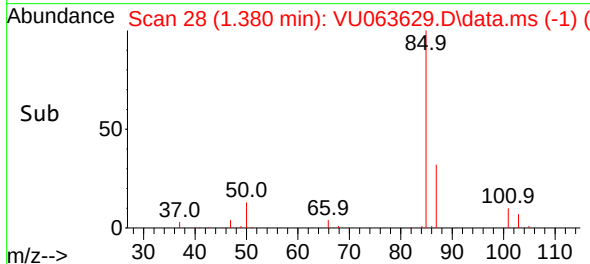
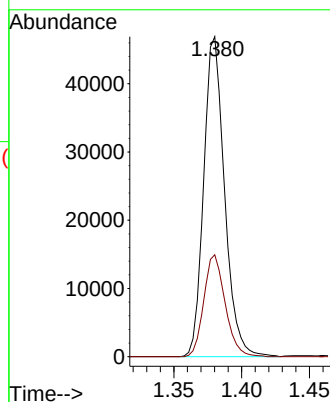
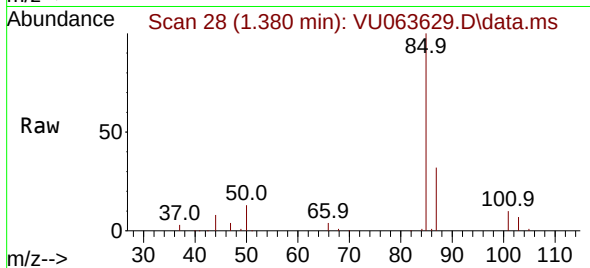




#2
 Dichlorodifluoromethane
 Concen: 42.583 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

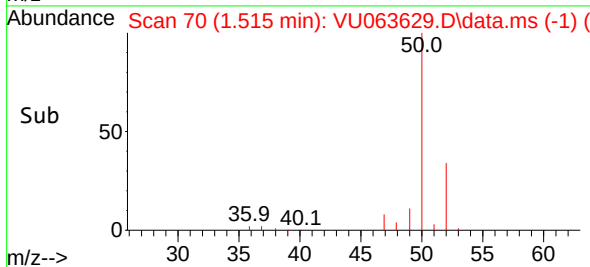
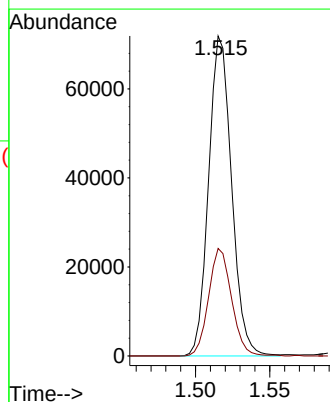
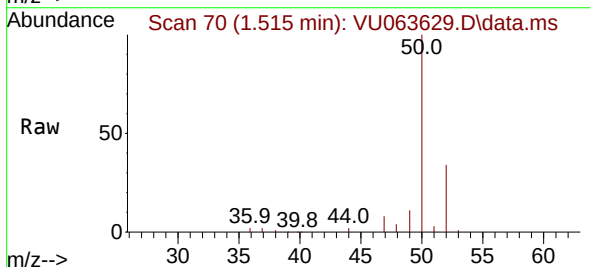
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

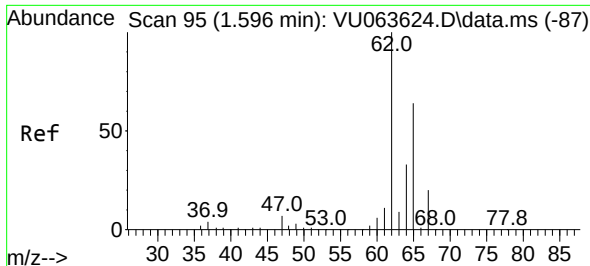
Tgt Ion: 85 Resp: 50218
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 50.898 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

Tgt Ion: 50 Resp: 77380
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.2 41.2

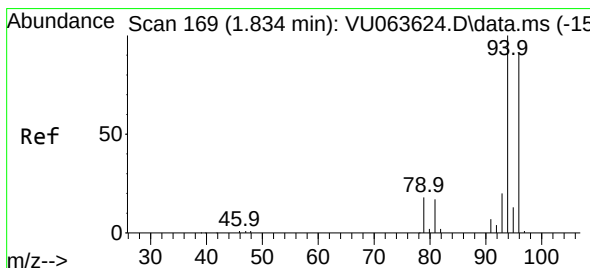
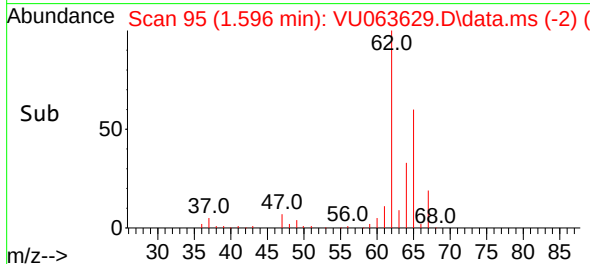
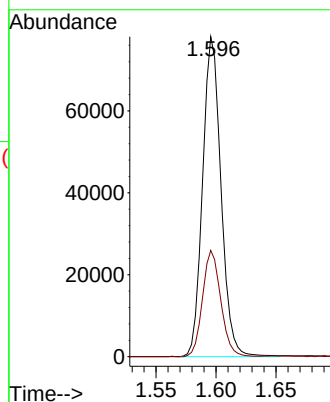
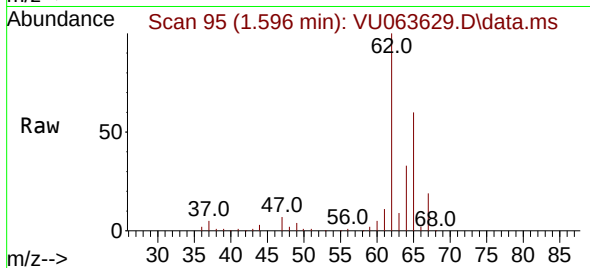




#5
 Vinyl chloride
 Concen: 46.192 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

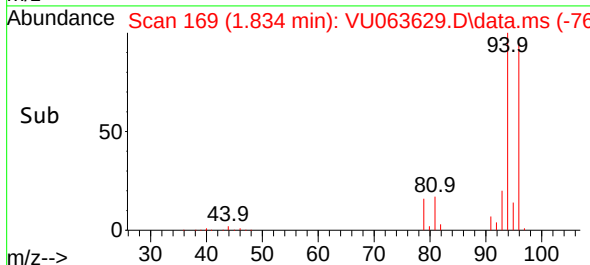
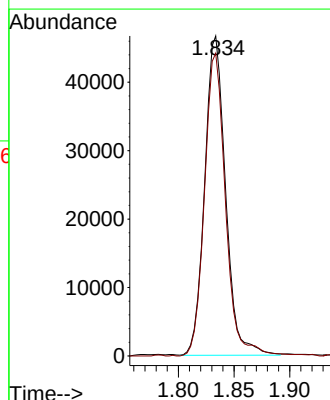
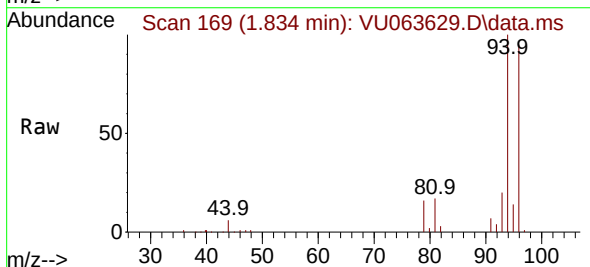
Instrument :
 MSVOA_U
 ClientSampleId :
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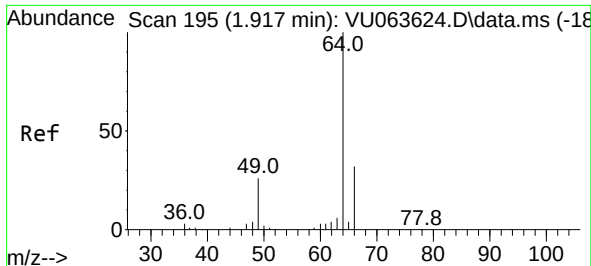
Tgt Ion: 62 Resp: 83585
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.5 41.7



#6
 Bromomethane
 Concen: 53.278 ug/L
 RT: 1.834 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

Tgt Ion: 94 Resp: 61080
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.7 122.1





#8

Chloroethane

Concen: 51.382 ug/L

RT: 1.914 min Scan# 19

Delta R.T. -0.003 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

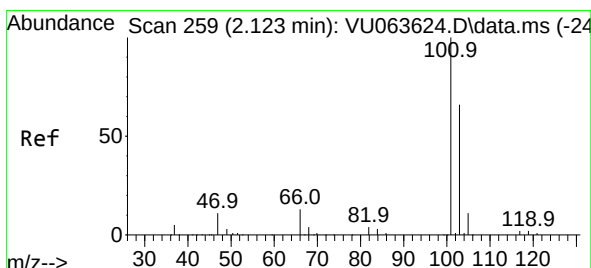
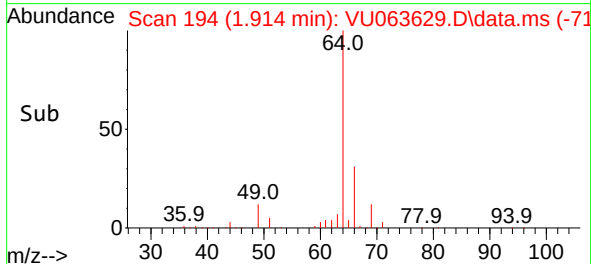
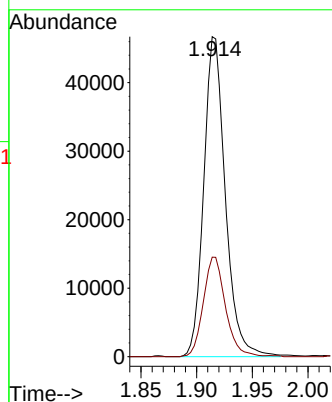
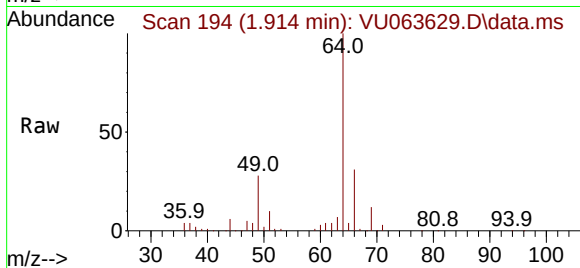
VSTD050111

Tgt Ion: 64 Resp: 62982

Ion Ratio Lower Upper

64 100

66 31.1 22.8 42.4



#9

Trichlorofluoromethane

Concen: 45.606 ug/L

RT: 2.123 min Scan# 259

Delta R.T. 0.000 min

Lab File: VU063629.D

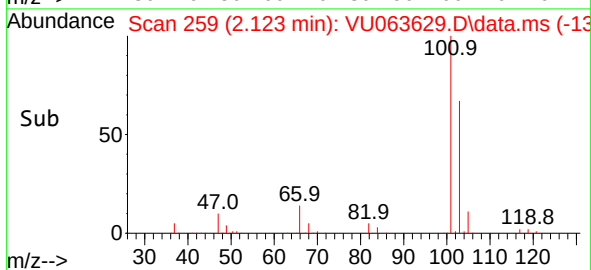
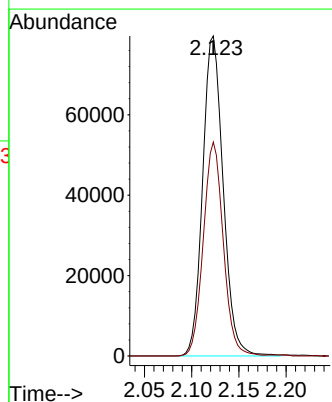
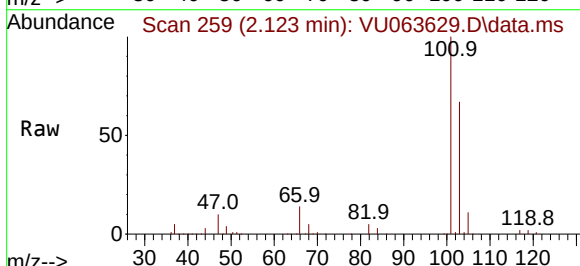
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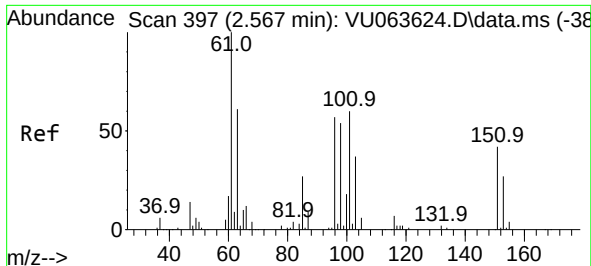
Tgt Ion:101 Resp: 120224

Ion Ratio Lower Upper

101 100

103 65.0 51.1 76.7

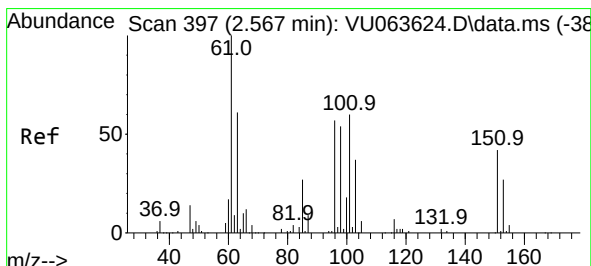
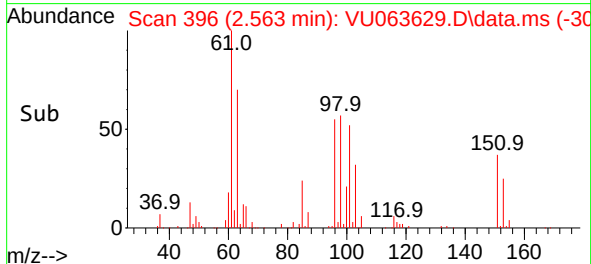
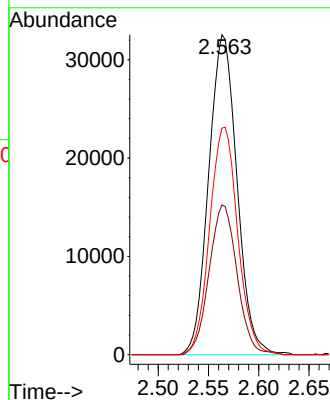
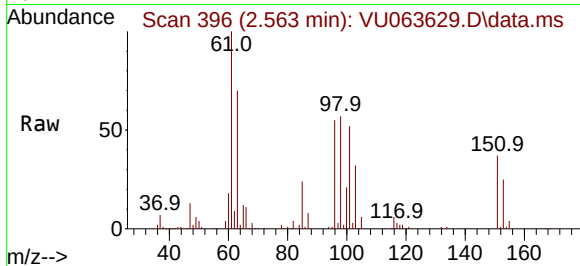




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.945 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

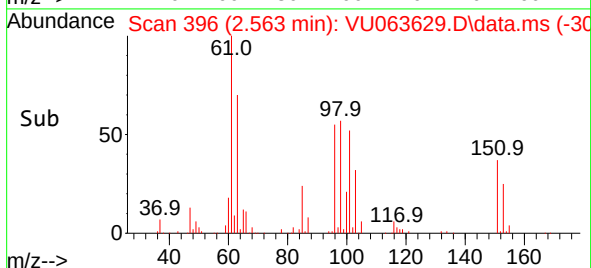
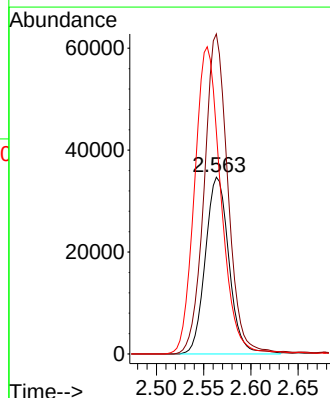
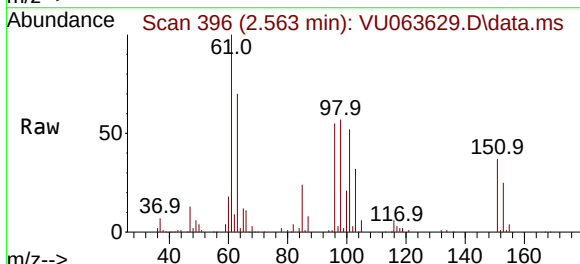
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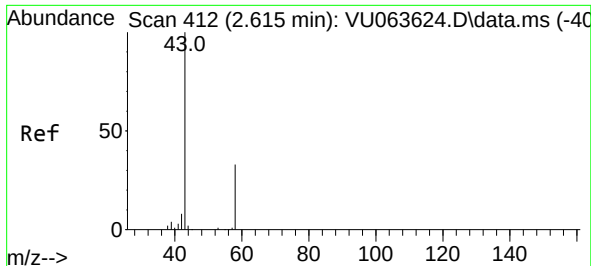
Tgt Ion:101 Resp: 63732
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.8 55.2
 151 70.8 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 46.745 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

Tgt Ion: 96 Resp: 60311
 Ion Ratio Lower Upper
 96 100
 61 180.9 121.4 225.4
 63 125.8 81.5 151.3





#13

Acetone

Concen: 86.145 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

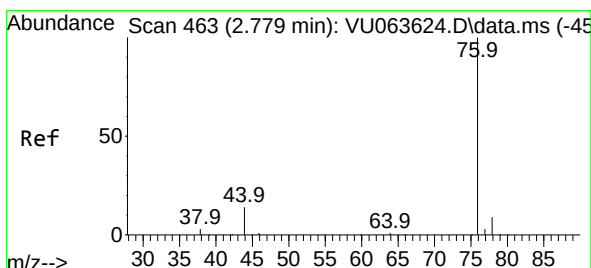
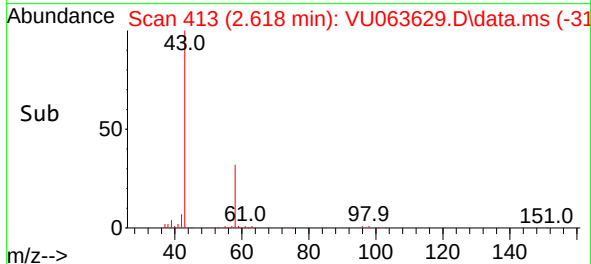
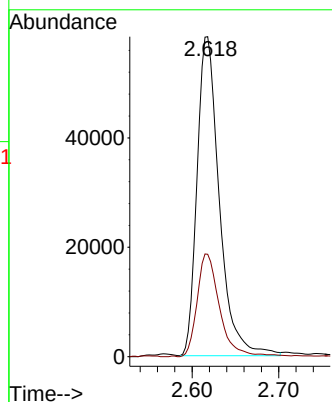
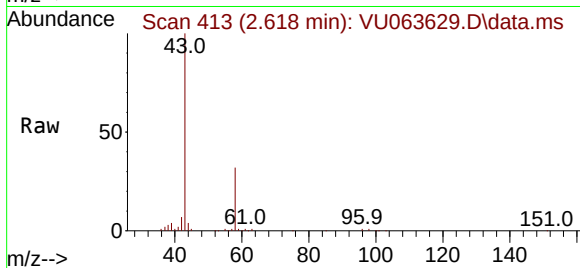
VSTD050111

Tgt Ion: 43 Resp: 104259

Ion Ratio Lower Upper

43 100

58 31.8 0.0 62.4



#14

Carbon disulfide

Concen: 42.272 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU063629.D

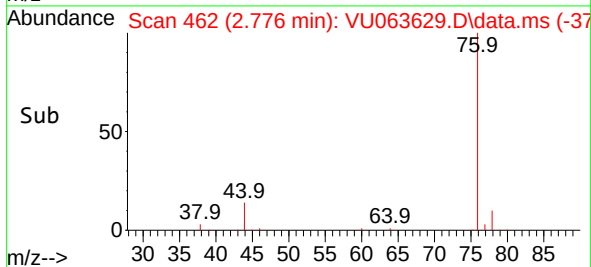
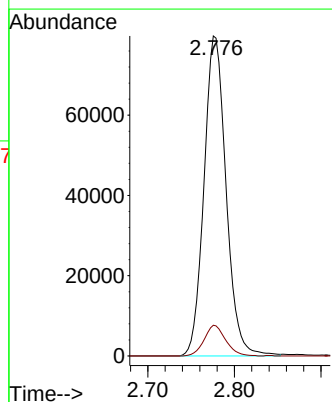
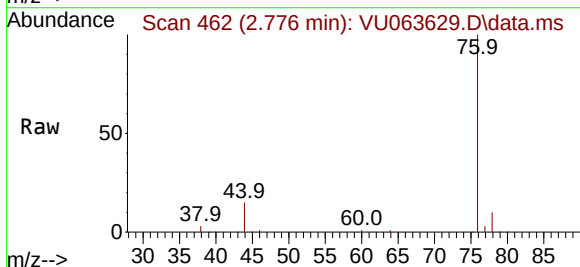
Acq: 23 Sep 2025 12:09

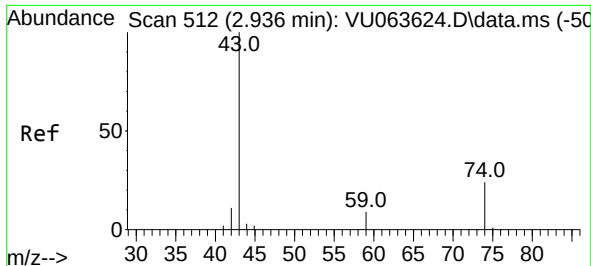
Tgt Ion: 76 Resp: 141516

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

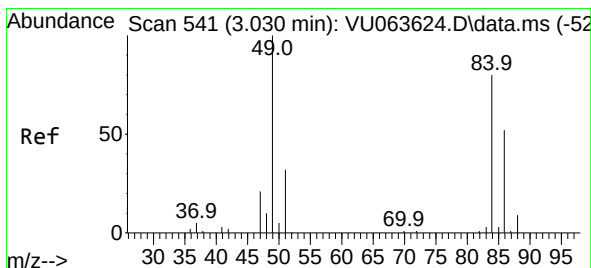
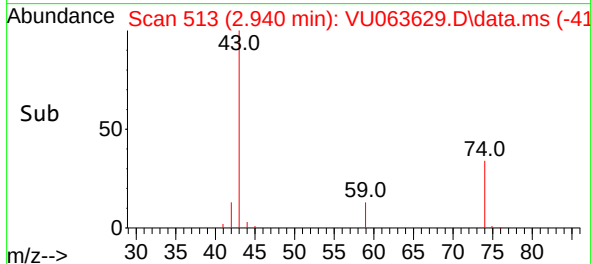
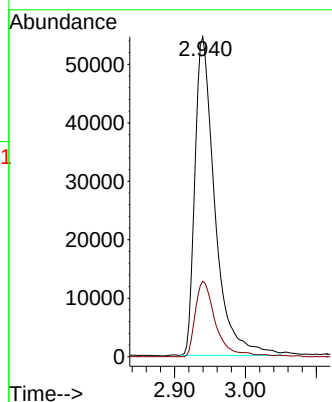
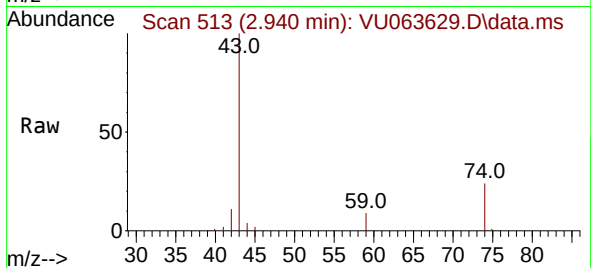




#15
Methyl Acetate
Concen: 59.417 ug/L
RT: 2.940 min Scan# 512
Delta R.T. 0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

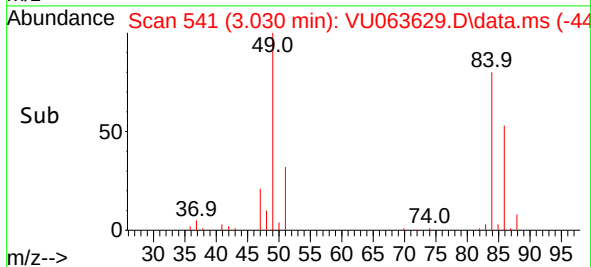
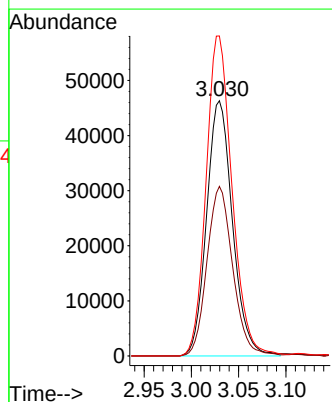
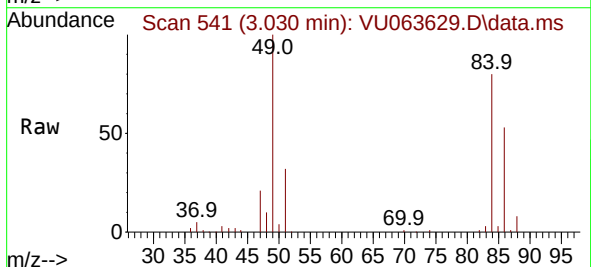
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

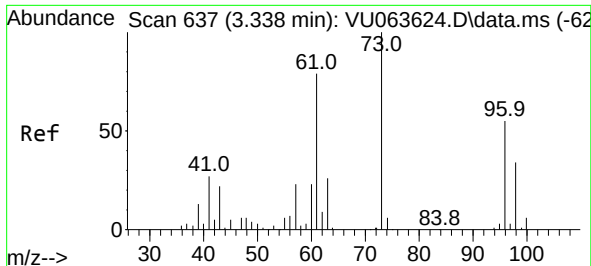
Tgt Ion: 43 Resp: 106672
Ion Ratio Lower Upper
43 100
74 23.8 18.0 27.0



#16
Methylene chloride
Concen: 54.178 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 84 Resp: 88381
Ion Ratio Lower Upper
84 100
86 66.5 47.2 87.6
49 125.4 90.2 167.4

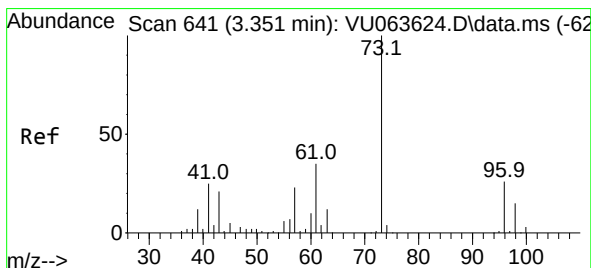
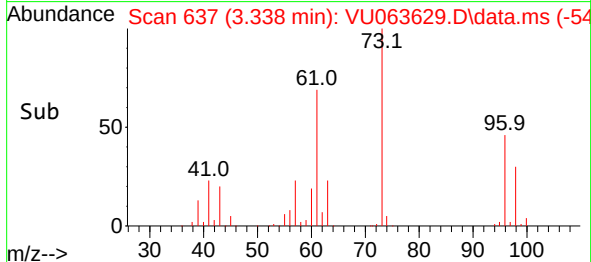
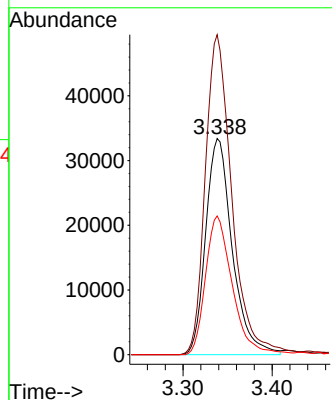
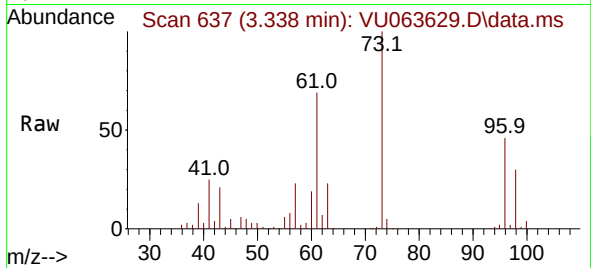




#17
trans-1,2-Dichloroethene
Concen: 49.891 ug/L
RT: 3.338 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

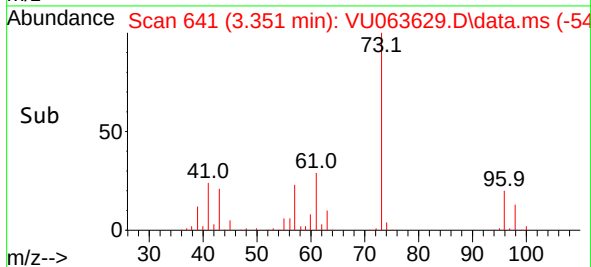
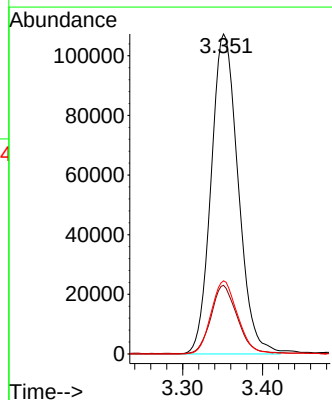
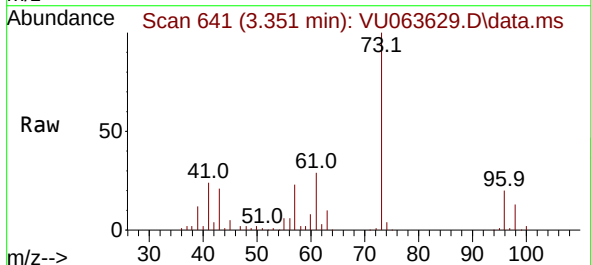
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

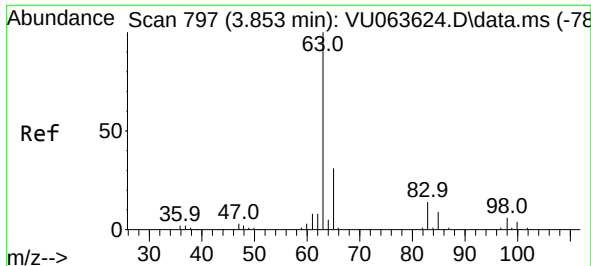
Tgt Ion: 96 Resp: 69308
Ion Ratio Lower Upper
96 100
61 148.0 102.2 189.8
98 64.2 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 56.103 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 73 Resp: 252127
Ion Ratio Lower Upper
73 100
43 20.9 16.5 24.7
57 22.3 17.8 26.6

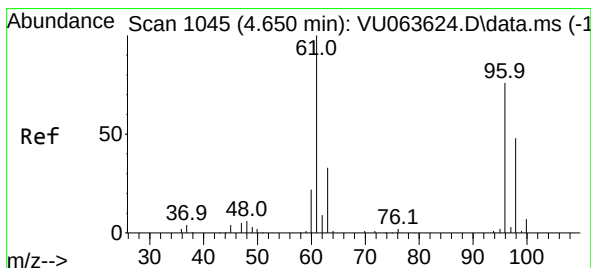
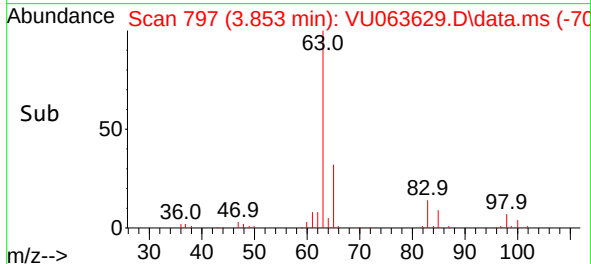
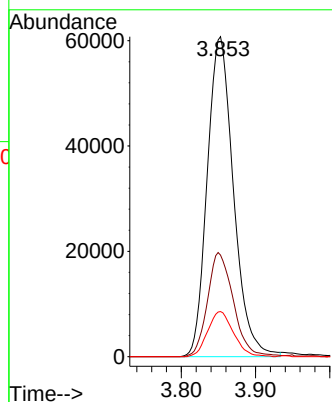
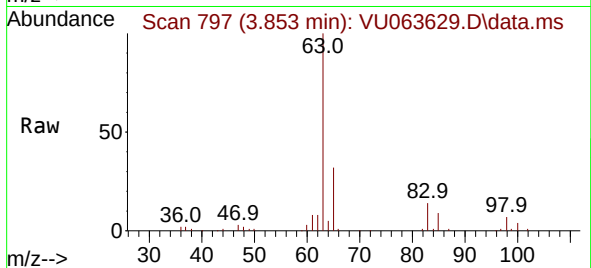




#19
1,1-Dichloroethane
Concen: 52.864 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

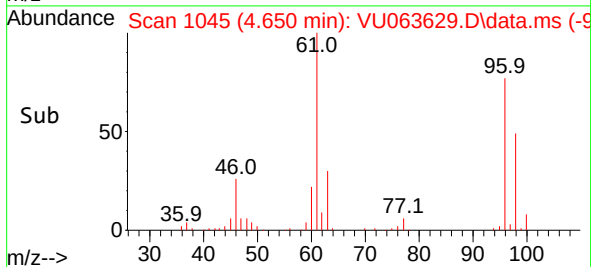
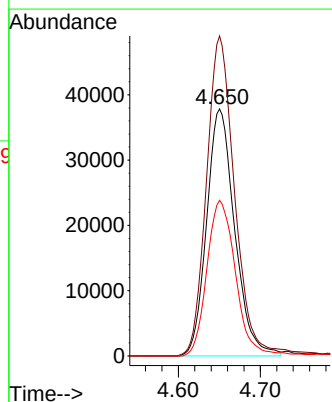
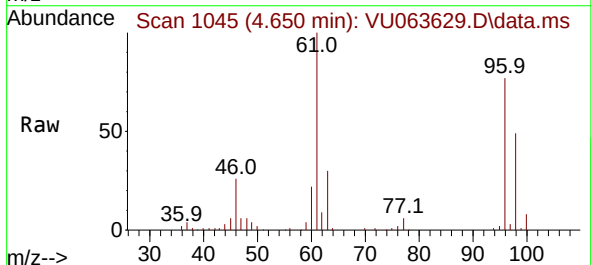
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

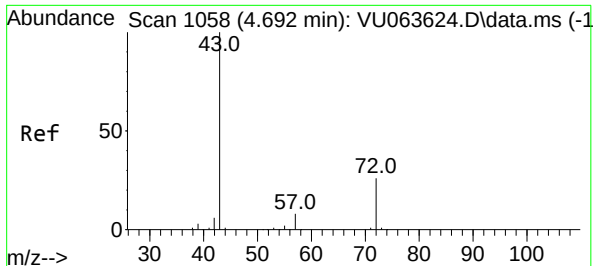
Tgt Ion: 63 Resp: 149503
Ion Ratio Lower Upper
63 100
65 31.7 23.0 42.8
83 14.1 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 55.349 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 96 Resp: 90043
Ion Ratio Lower Upper
96 100
61 129.5 95.5 177.3
98 63.0 46.1 85.7

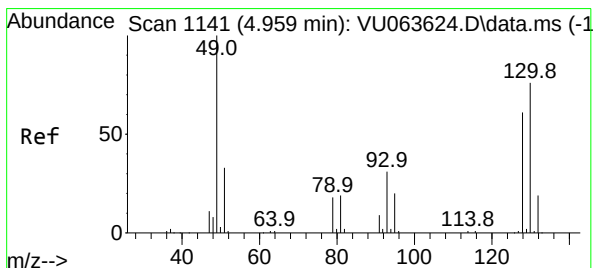
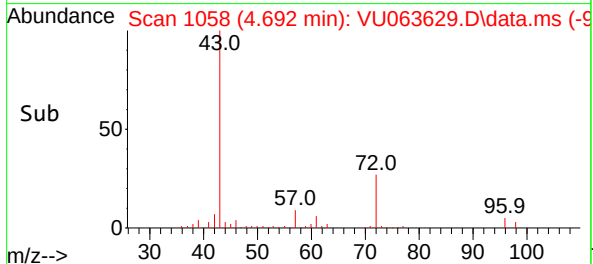
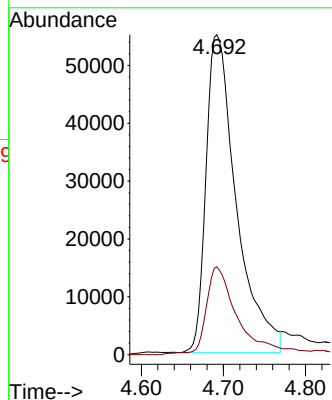
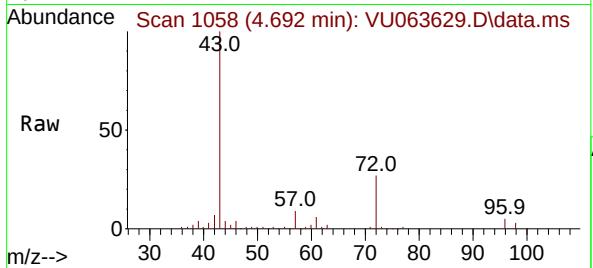




#22
2-Butanone
Concen: 101.360 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

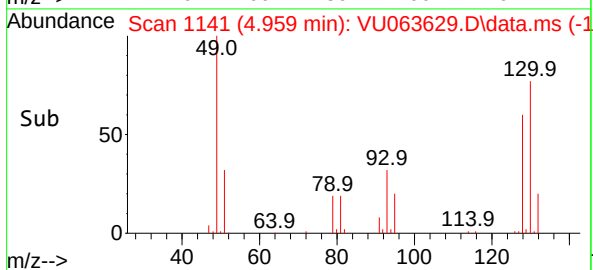
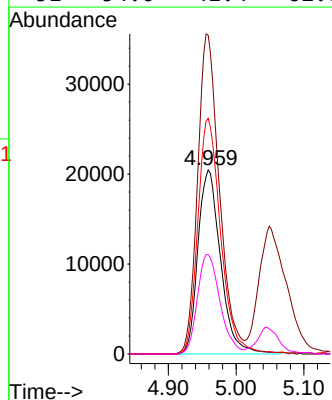
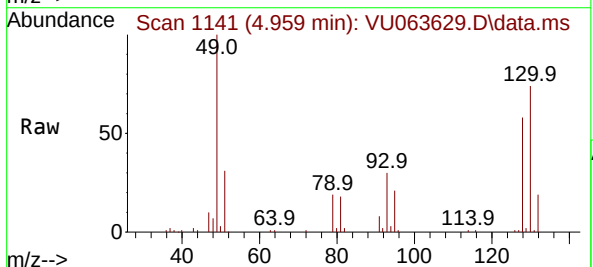
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

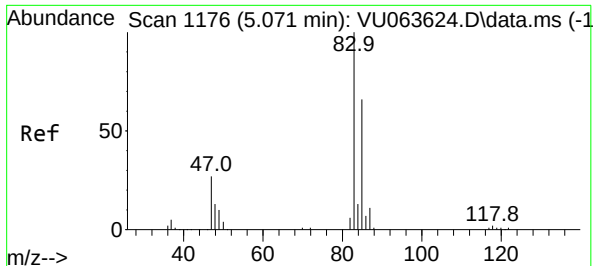
Tgt Ion: 43 Resp: 141764
Ion Ratio Lower Upper
43 100
72 26.0 12.7 38.1



#23
Bromochloromethane
Concen: 55.696 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:128 Resp: 47476
Ion Ratio Lower Upper
128 100
49 173.2 116.6 216.5
130 128.1 85.6 159.0
51 54.0 41.4 62.0

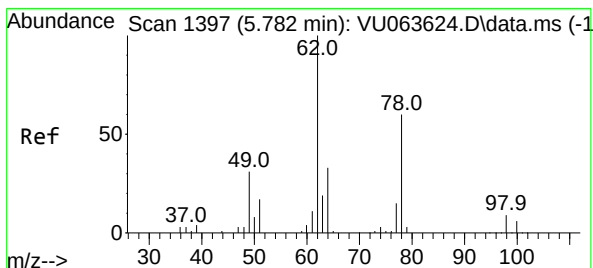
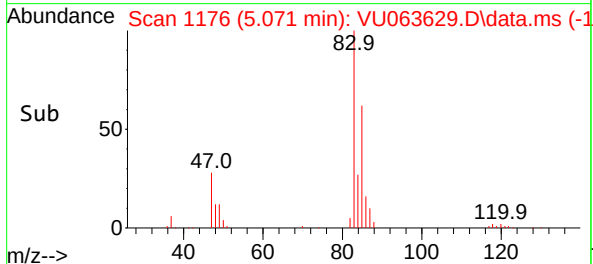
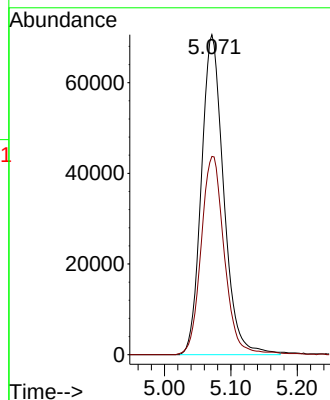
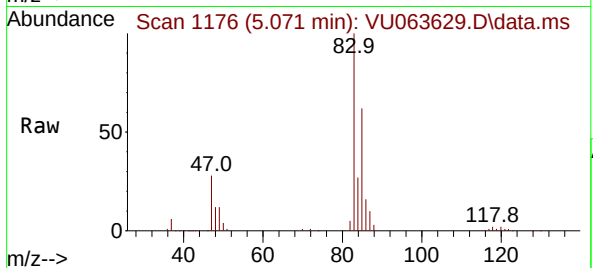




#25
Chloroform
Concen: 54.919 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

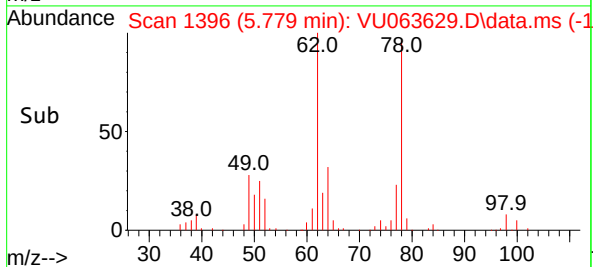
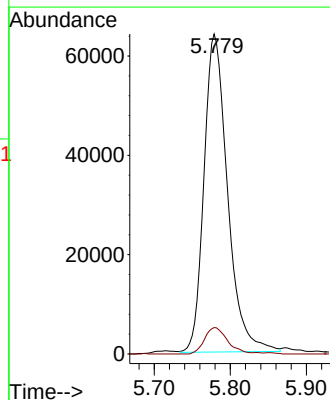
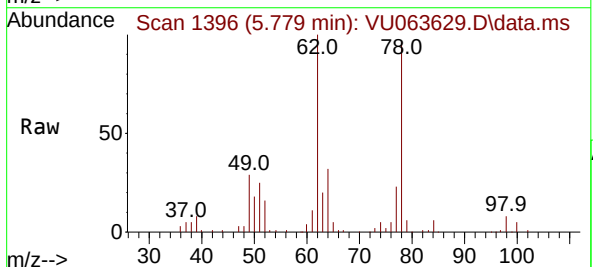
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

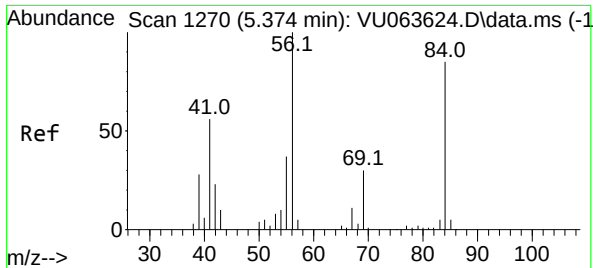
Tgt Ion: 83 Resp: 164930
Ion Ratio Lower Upper
83 100
85 62.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 55.632 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 62 Resp: 138046
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

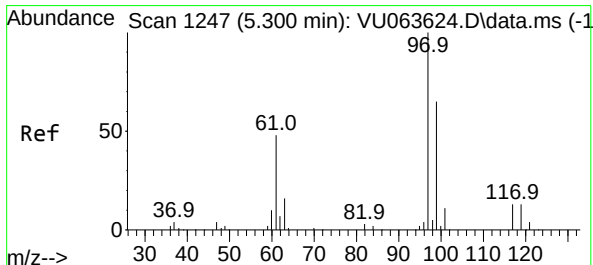
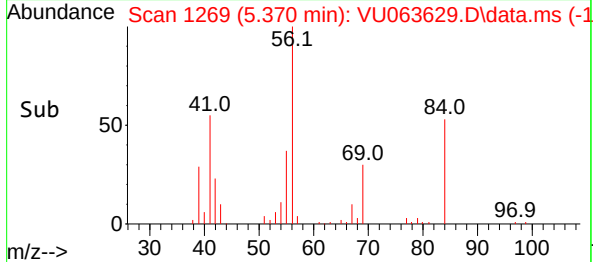
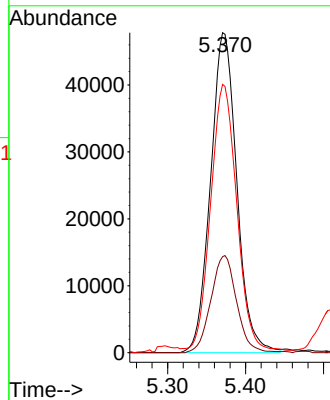
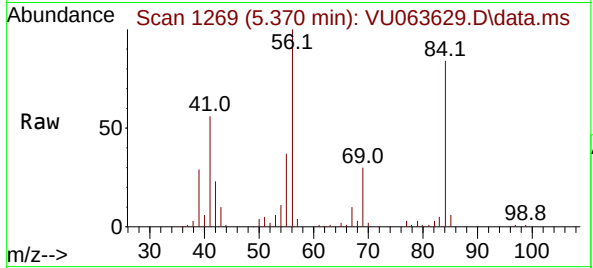




#29
Cyclohexane
Concen: 44.079 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

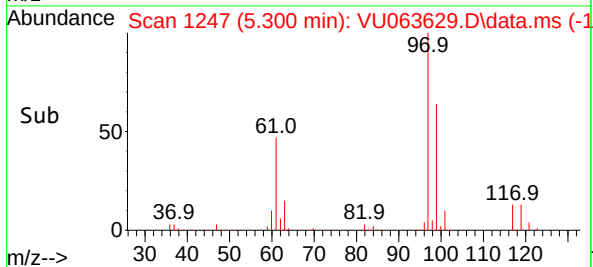
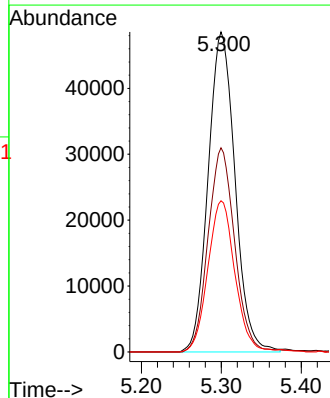
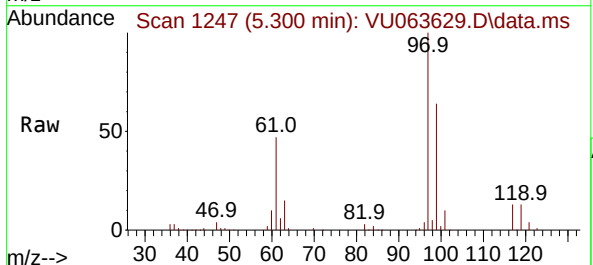
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

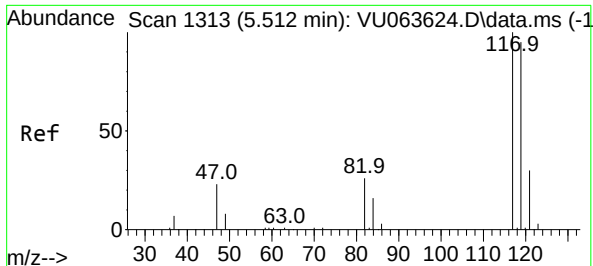
Tgt Ion:	56	Resp:	111846
Ion Ratio	Lower	Upper	
56	100		
69	29.7	24.0	36.0
84	82.3	65.7	98.5



#30
1,1,1-Trichloroethane
Concen: 47.714 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:	97	Resp:	113247
Ion Ratio	Lower	Upper	
97	100		
99	62.8	50.6	75.8
61	47.4	38.0	57.0

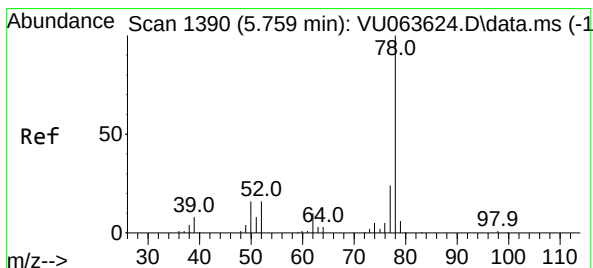
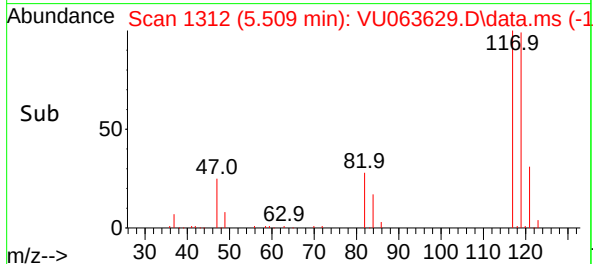
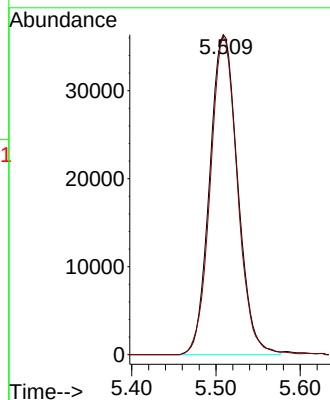
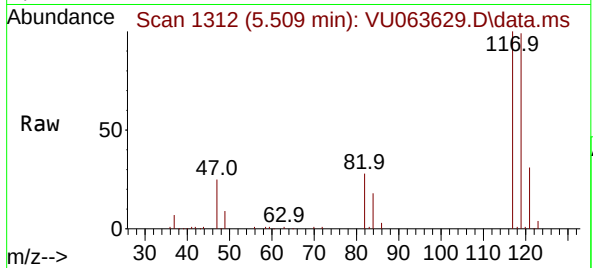




#31
Carbon tetrachloride
Concen: 44.769 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

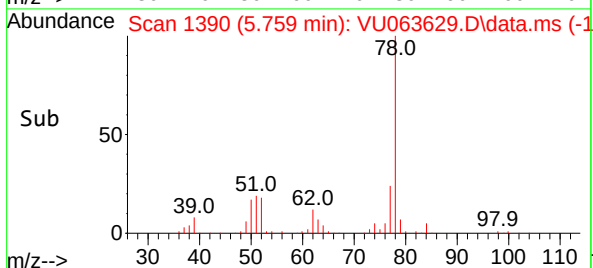
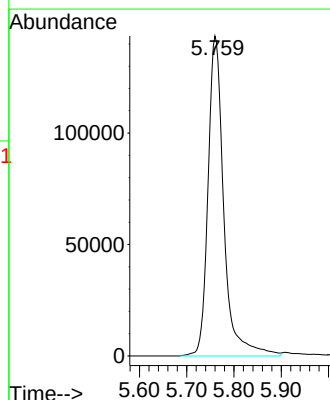
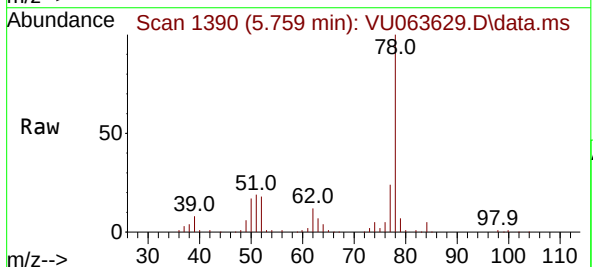
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

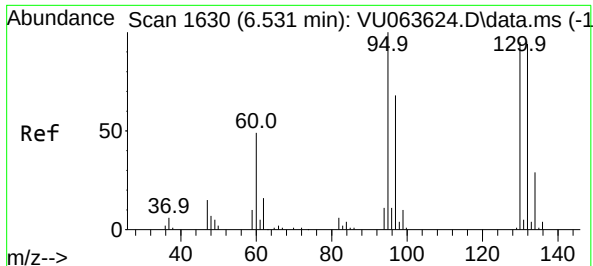
Tgt Ion:117 Resp: 84208
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.6



#33
Benzene
Concen: 53.121 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 78 Resp: 333022

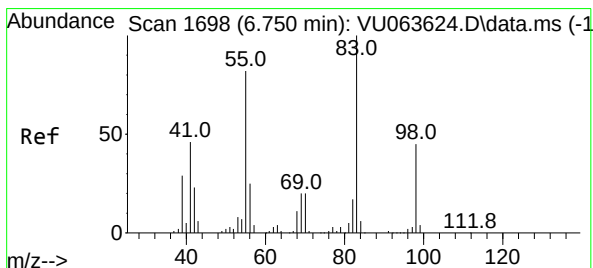
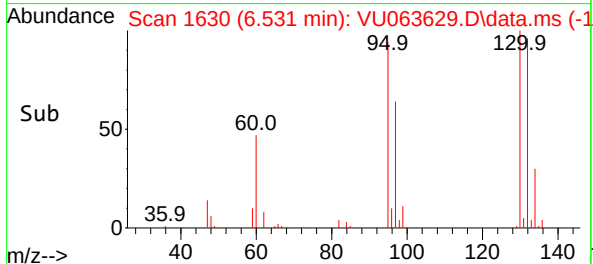
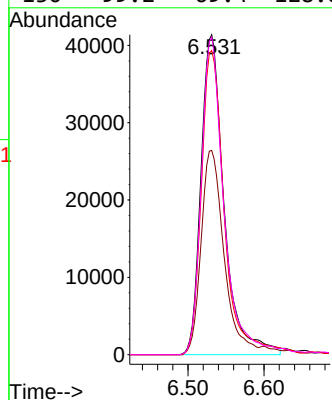
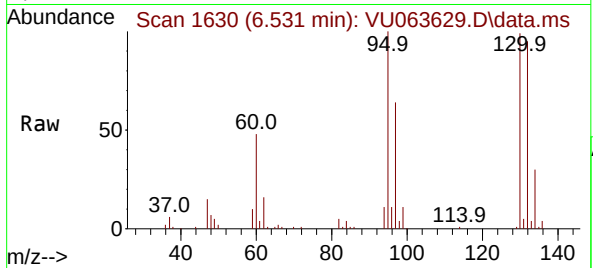




#34
Trichloroethene
Concen: 49.962 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

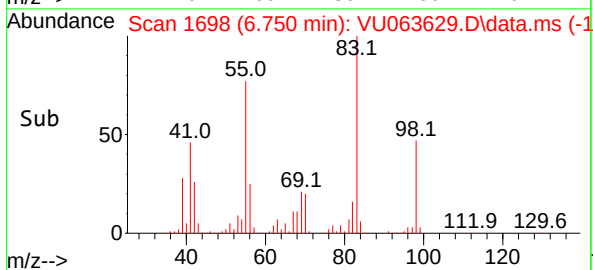
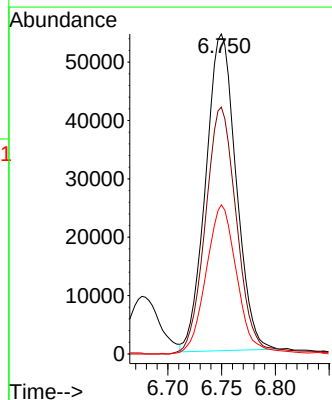
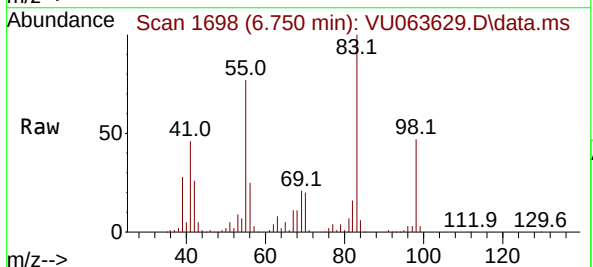
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

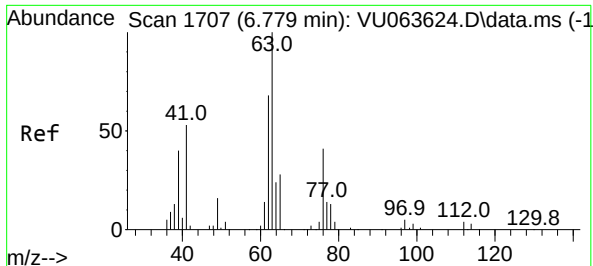
Tgt Ion: 95 Resp: 87719
Ion Ratio Lower Upper
95 100
97 63.8 46.6 86.6
132 95.1 66.8 124.2
130 99.2 69.4 128.8



#35
Methylcyclohexane
Concen: 42.593 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 83 Resp: 106762
Ion Ratio Lower Upper
83 100
55 81.3 63.4 95.0
98 47.8 37.3 55.9





#37

1,2-Dichloropropane

Concen: 54.066 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

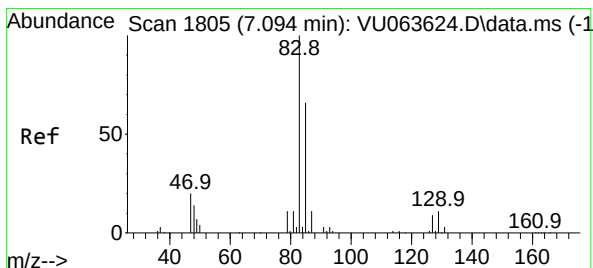
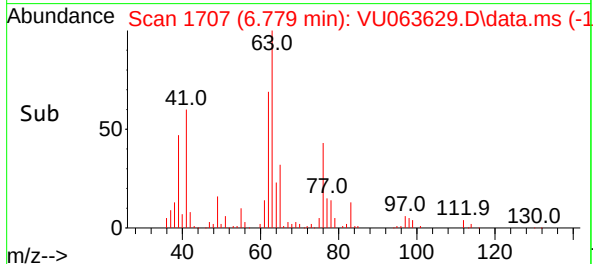
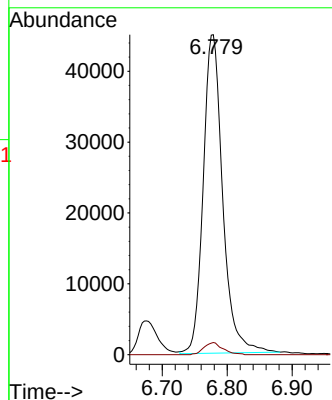
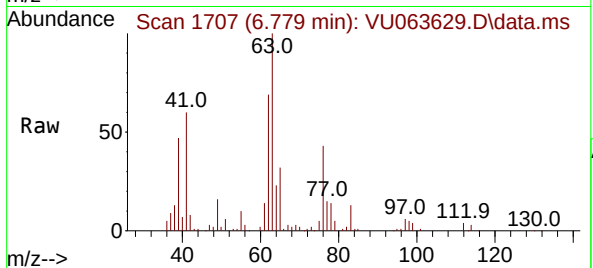
VSTD050111

Tgt Ion: 63 Resp: 93873

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 53.701 ug/L

RT: 7.091 min Scan# 1804

Delta R.T. -0.003 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

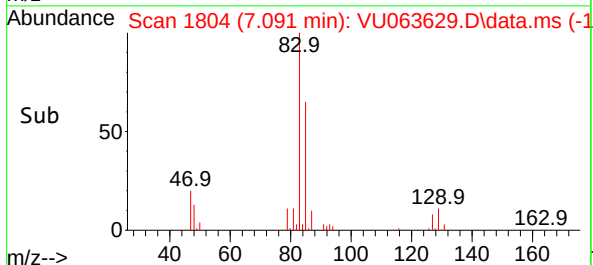
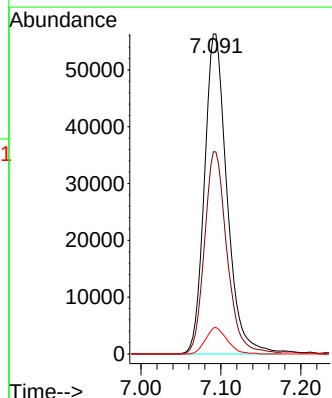
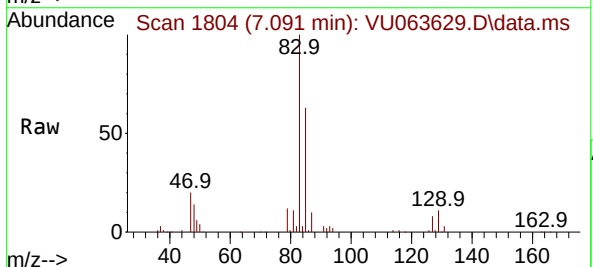
Tgt Ion: 83 Resp: 110551

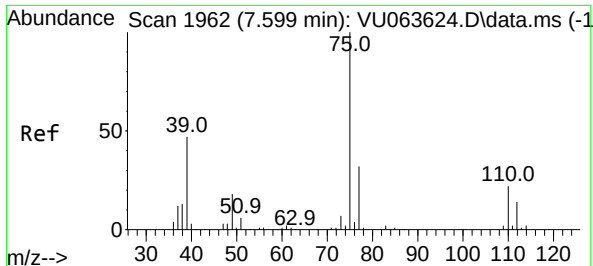
Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 50.422 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

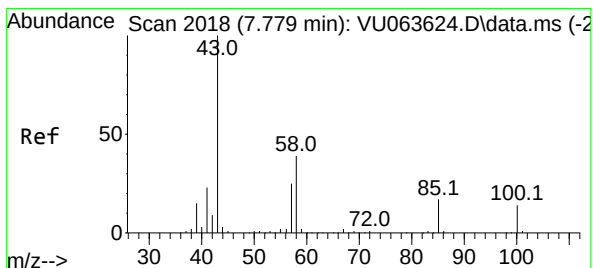
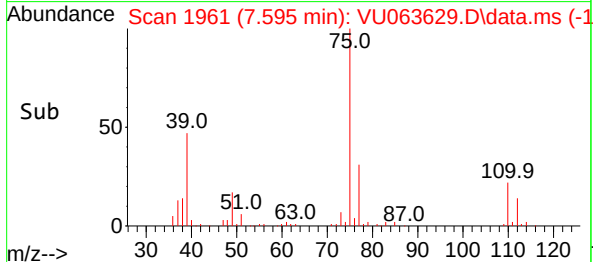
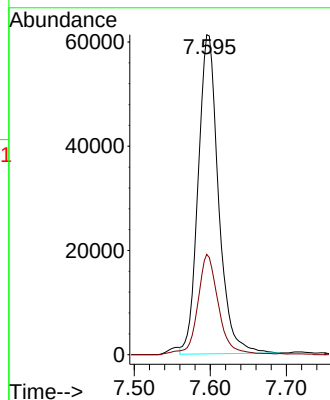
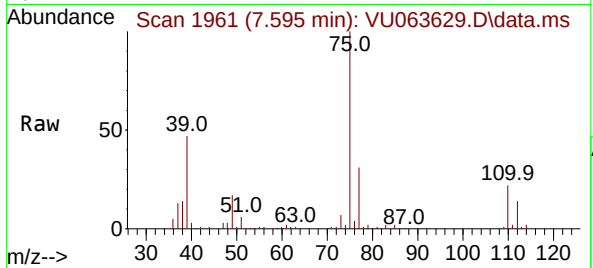
VSTD050111

Tgt Ion: 75 Resp: 113818

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 116.523 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

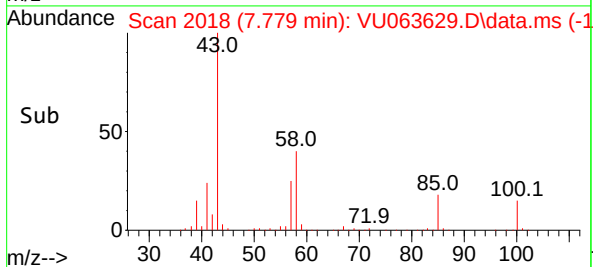
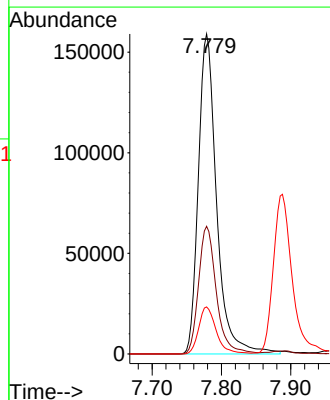
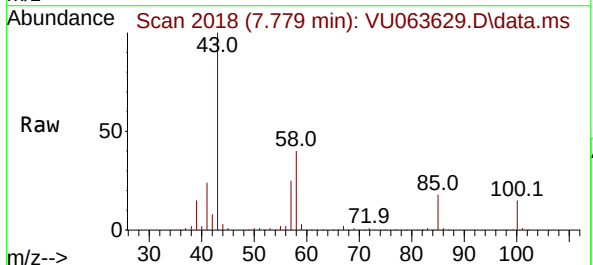
Tgt Ion: 43 Resp: 291493

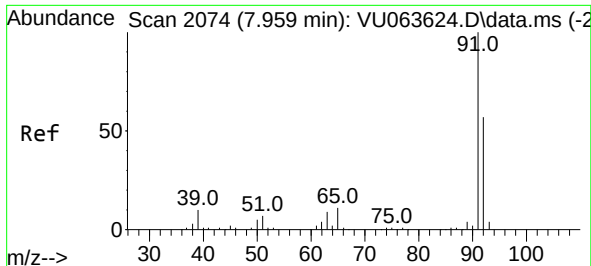
Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3

100 14.2 11.4 17.2





#42

Toluene

Concen: 51.094 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

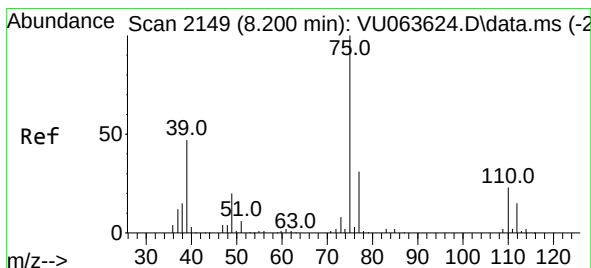
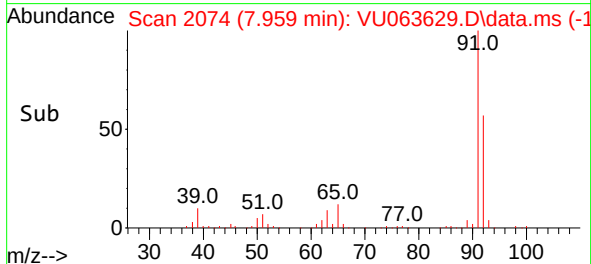
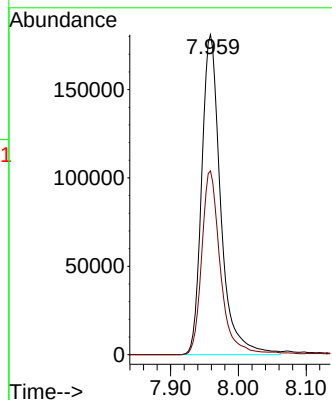
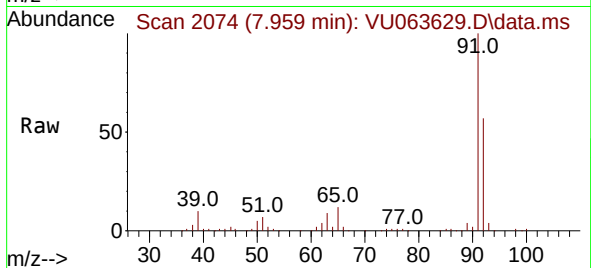
VSTD050111

Tgt Ion: 91 Resp: 351170

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 51.447 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063629.D

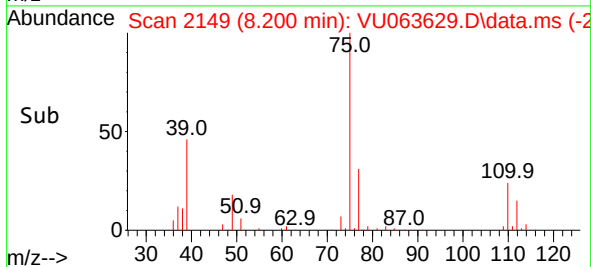
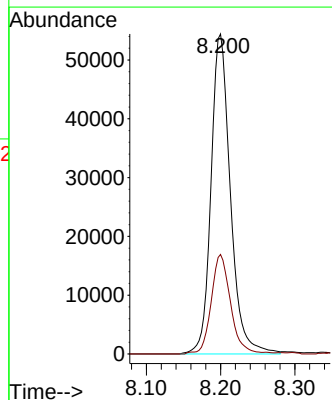
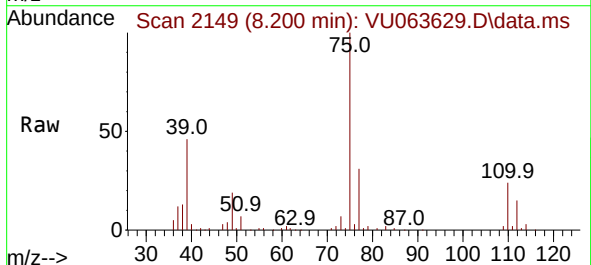
Acq: 23 Sep 2025 12:09

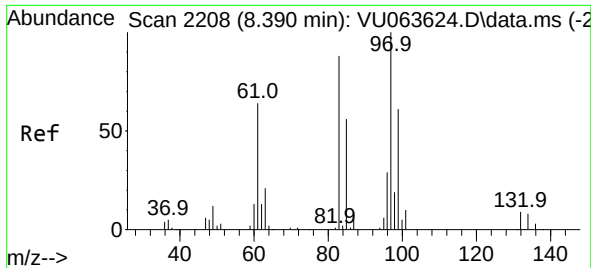
Tgt Ion: 75 Resp: 98607

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5

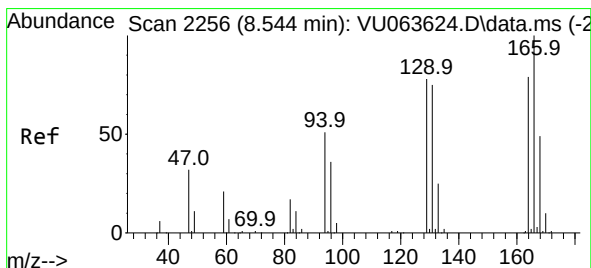
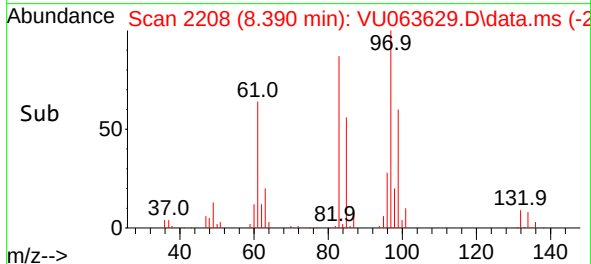
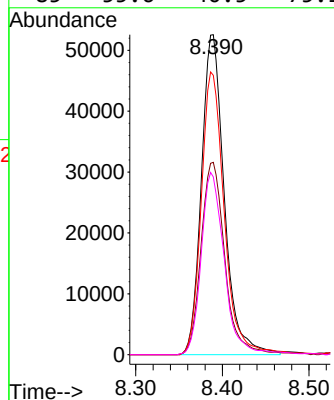
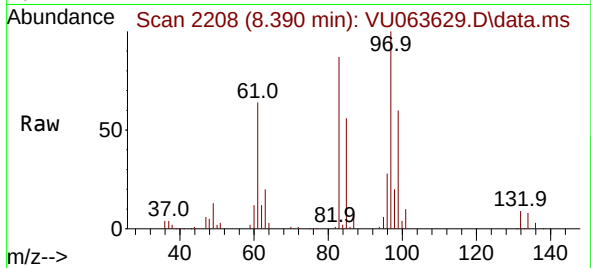




#45
1,1,2-Trichloroethane
Concen: 57.265 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

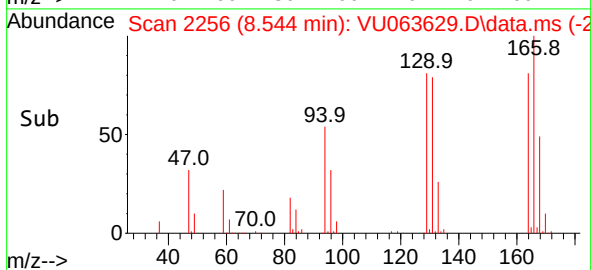
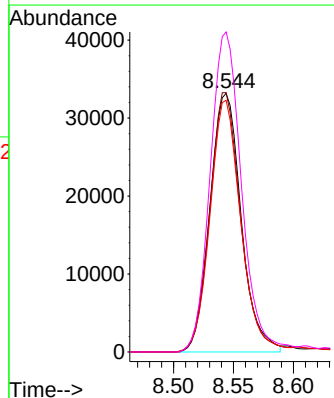
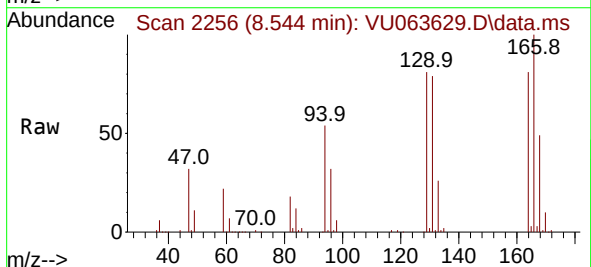
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

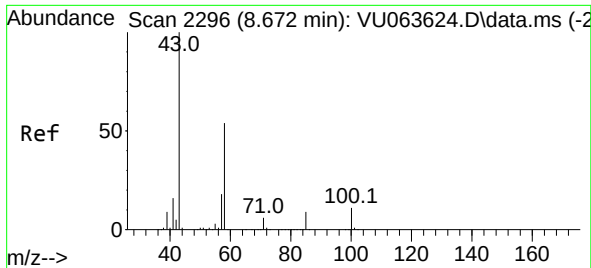
Tgt Ion:	97	Resp:	96502
Ion	Ratio	Lower	Upper
97	100		
99	60.1	45.8	85.0
83	87.3	64.4	119.6
85	55.6	40.5	75.1



#46
Tetrachloroethene
Concen: 46.948 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:	164	Resp:	60036
Ion	Ratio	Lower	Upper
164	100		
129	100.3	67.5	125.3
131	97.3	67.0	124.4
166	123.7	90.5	168.1

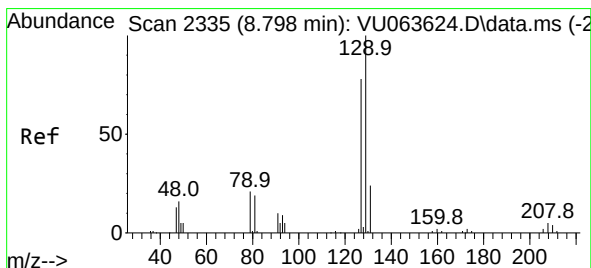
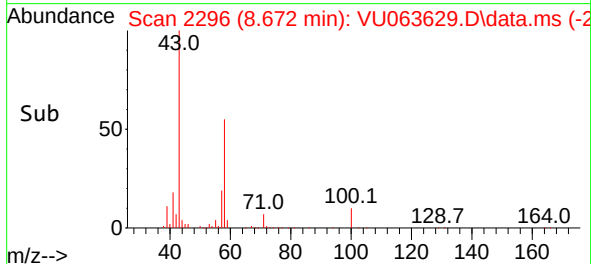
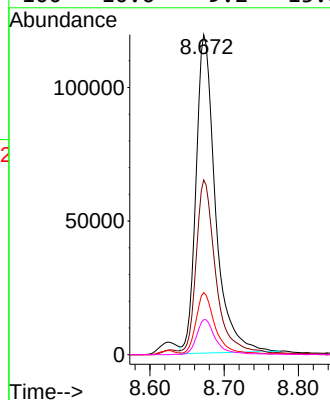
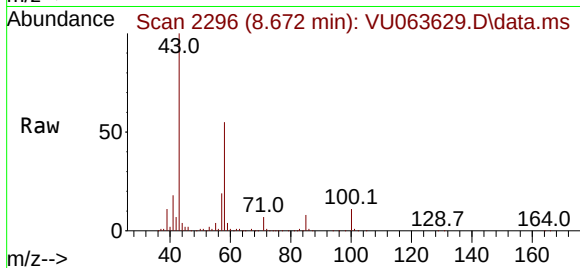




#48
2-Hexanone
Concen: 114.628 ug/L
RT: 8.672 min Scan# 216928
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

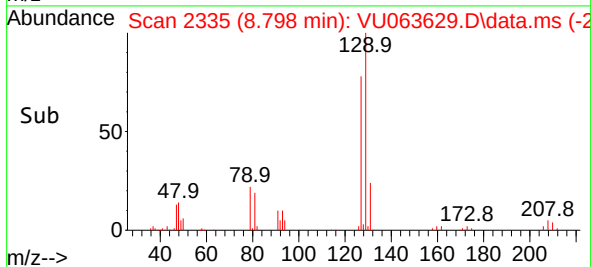
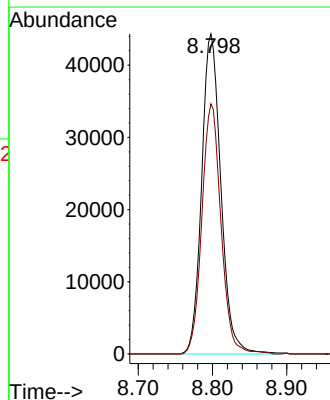
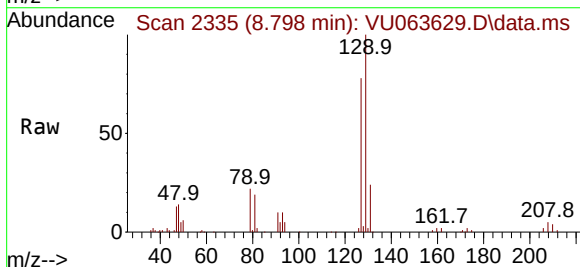
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

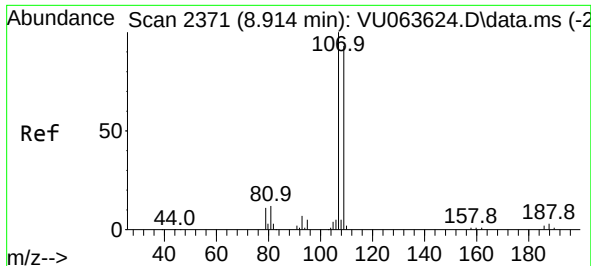
Tgt Ion:	43	Resp:	216928
Ion	Ratio	Lower	Upper
43	100		
58	54.6	41.7	62.5
57	19.6	14.7	22.1
100	10.6	9.2	13.8



#49
Dibromochloromethane
Concen: 52.884 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:	129	Resp:	79775
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.1	98.7





#50

1,2-Dibromoethane

Concen: 56.581 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

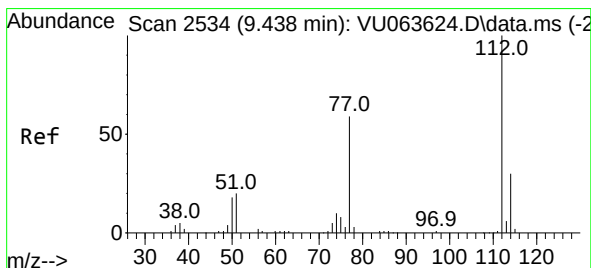
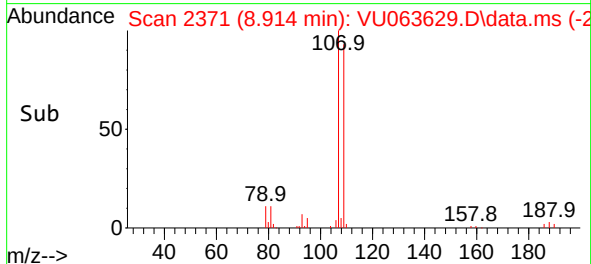
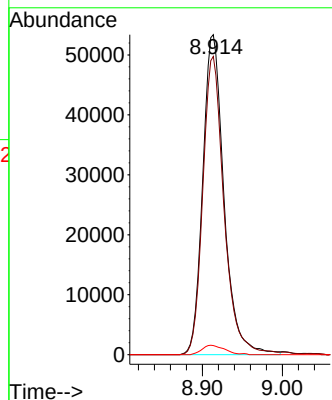
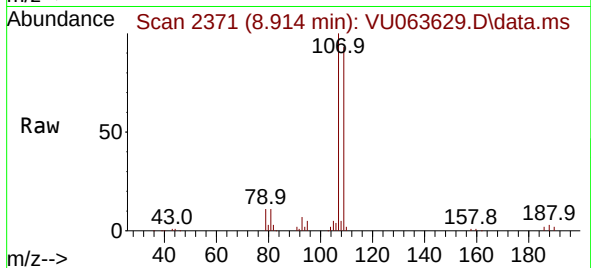
Tgt Ion:107 Resp: 98752

Ion Ratio Lower Upper

107 100

109 93.2 65.0 120.6

188 2.8 2.6 4.0



#51

Chlorobenzene

Concen: 51.991 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

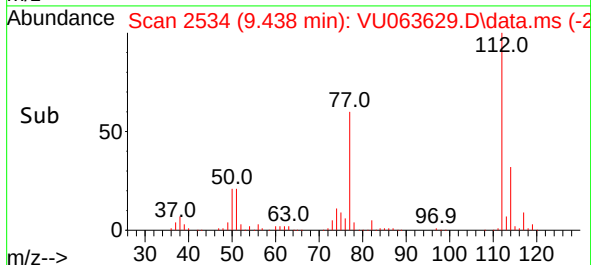
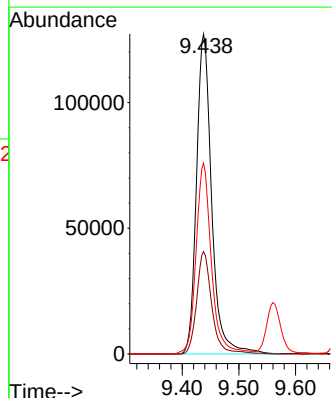
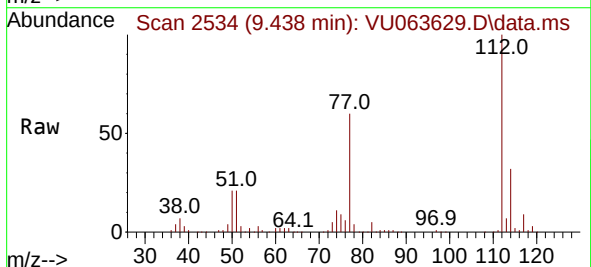
Tgt Ion:112 Resp: 236458

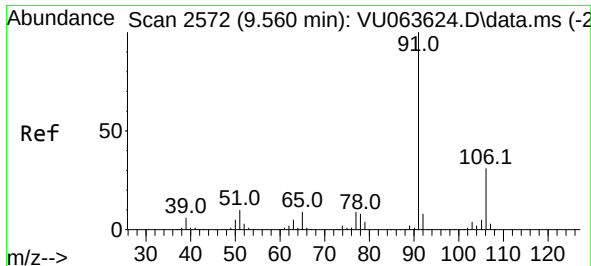
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 59.6 48.2 72.2

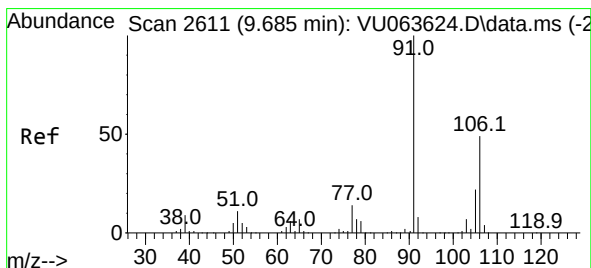
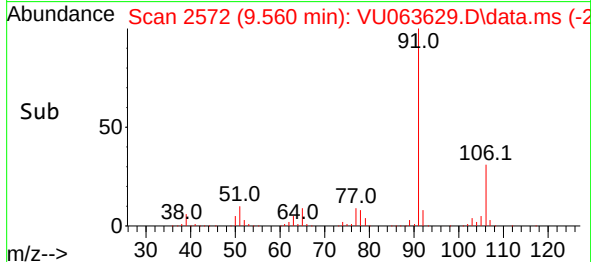
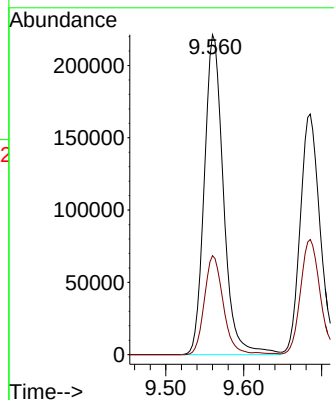
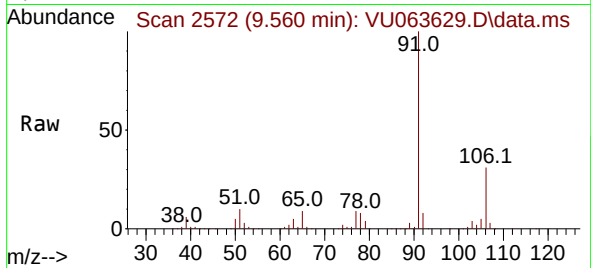




#52
Ethylbenzene
Concen: 49.807 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

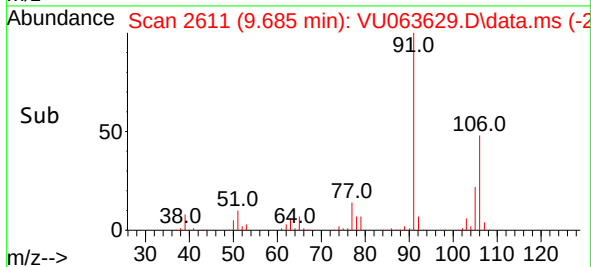
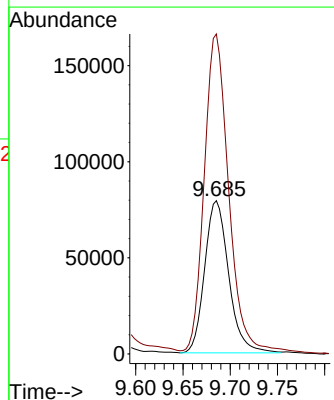
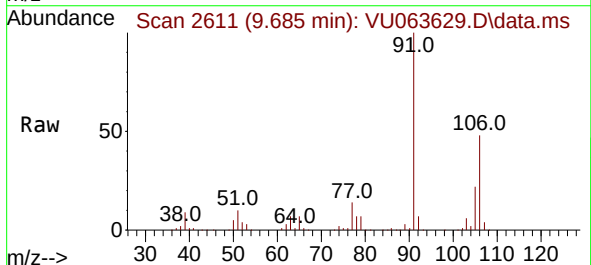
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

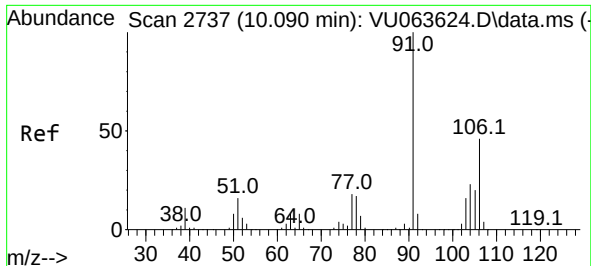
Tgt Ion: 91 Resp: 378534
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 49.366 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 106 Resp: 139960
Ion Ratio Lower Upper
106 100
91 208.9 144.1 267.7

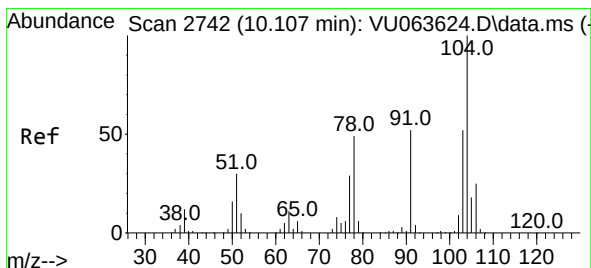
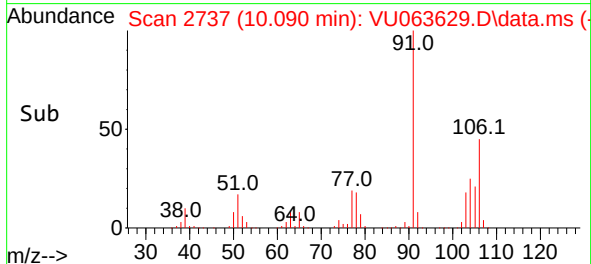
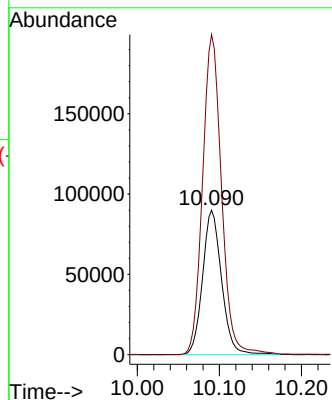
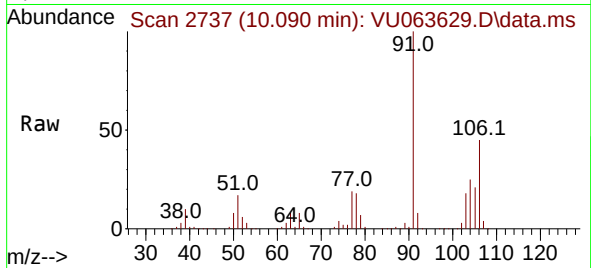




#54
o-Xylene
Concen: 51.232 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

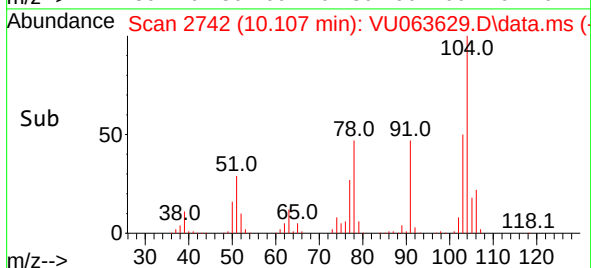
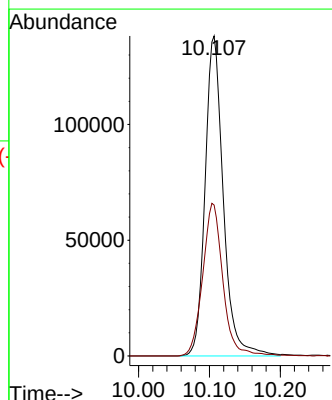
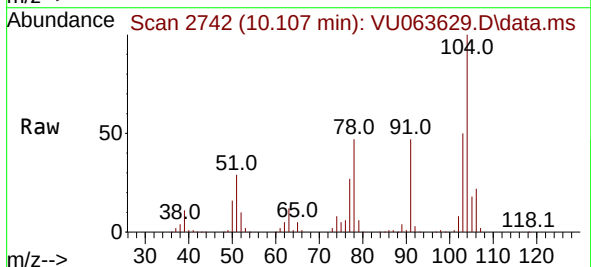
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

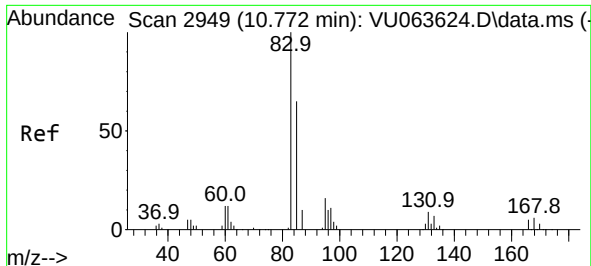
Tgt Ion:106 Resp: 144743
Ion Ratio Lower Upper
106 100
91 221.5 158.5 294.3



#55
Styrene
Concen: 53.540 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:104 Resp: 247200
Ion Ratio Lower Upper
104 100
78 47.2 34.5 64.1

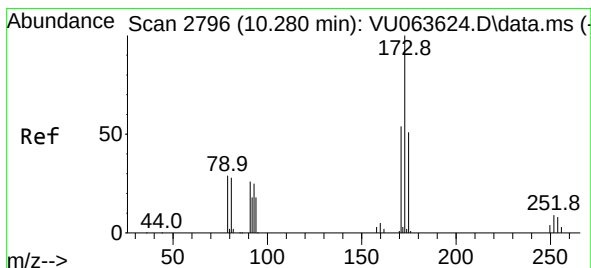
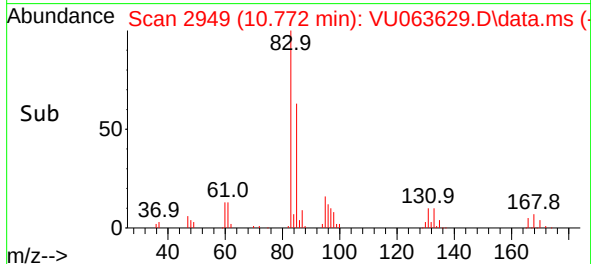
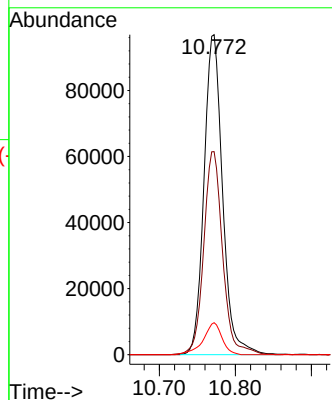
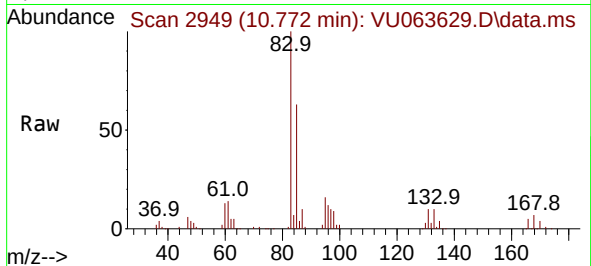




#57
1,1,2,2-Tetrachloroethane
Concen: 57.721 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

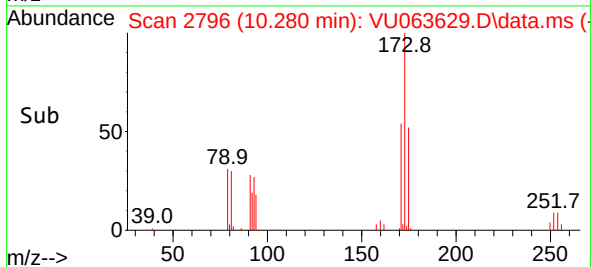
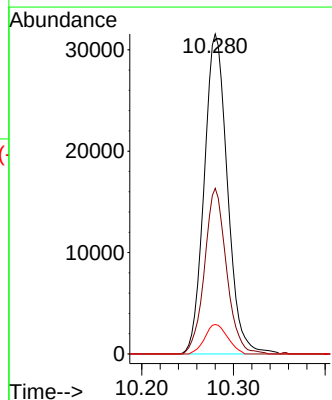
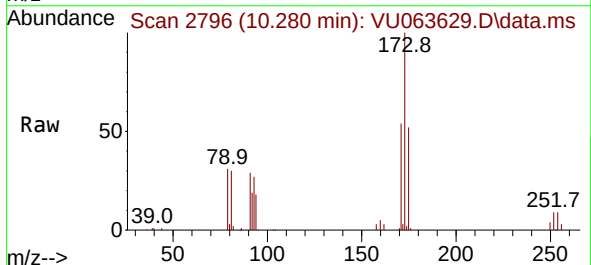
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

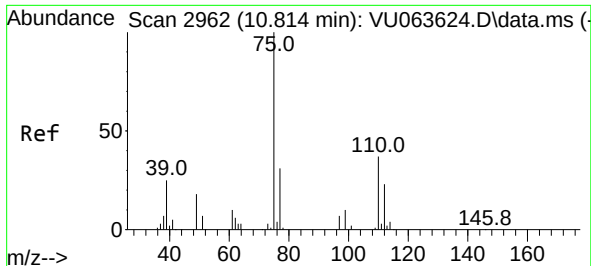
Tgt Ion: 83 Resp: 164414
Ion Ratio Lower Upper
83 100
85 63.5 46.0 85.4
131 10.0 7.4 11.2



#59
Bromoform
Concen: 50.823 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:173 Resp: 55588
Ion Ratio Lower Upper
173 100
175 48.9 39.3 58.9
254 9.0 6.2 9.4

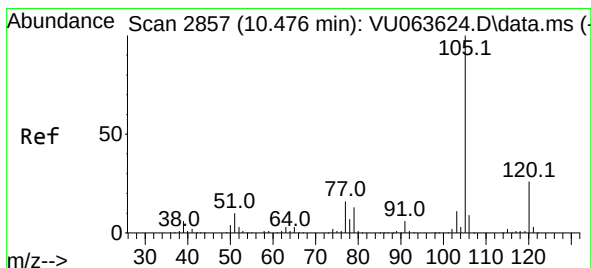
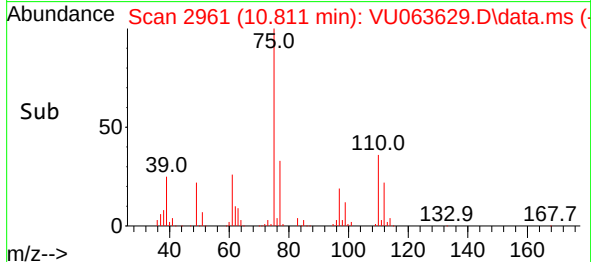
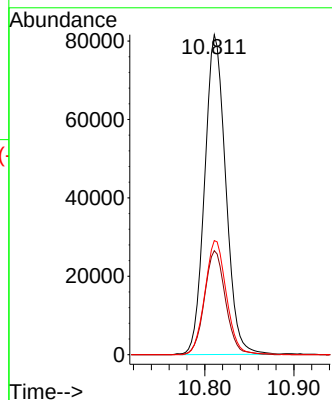
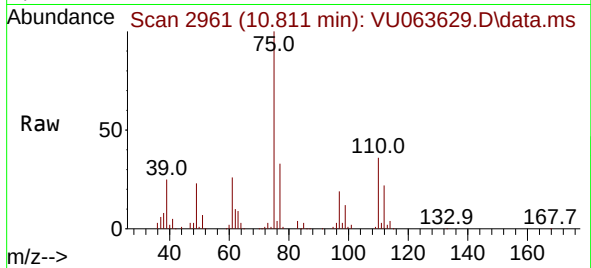




#60
1,2,3-Trichloropropane
Concen: 56.518 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

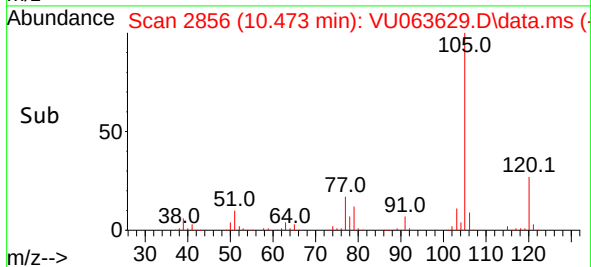
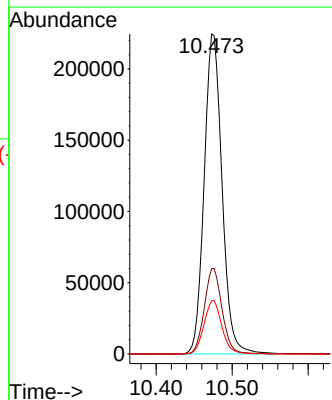
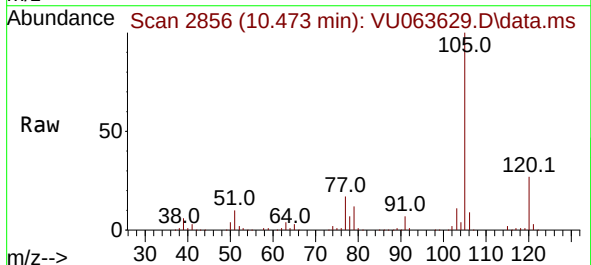
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

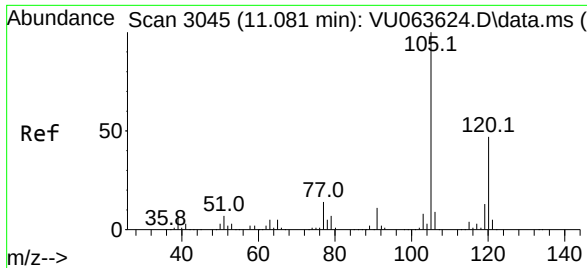
Tgt Ion: 75 Resp: 133835
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5
110 36.4 29.2 43.8



#61
Isopropylbenzene
Concen: 47.867 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 105 Resp: 366701
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8
77 16.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 48.878 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. -0.003 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

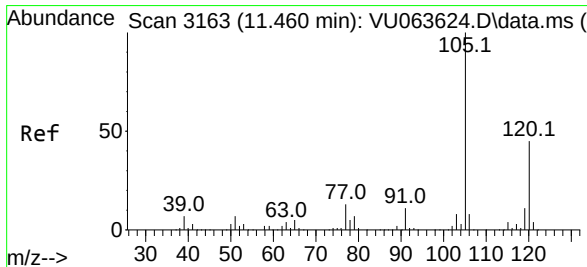
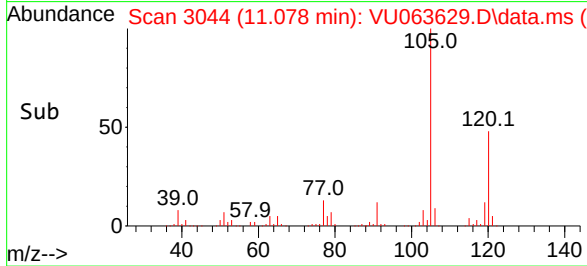
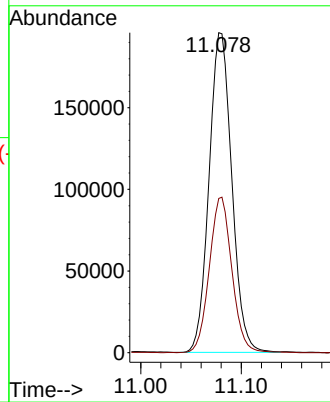
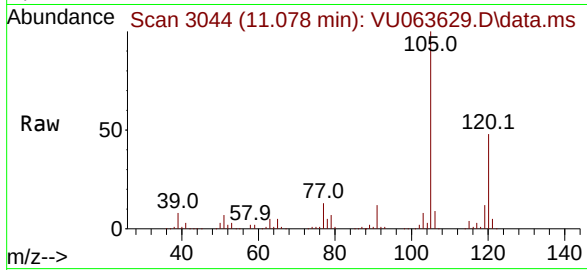
VSTD050111

Tgt Ion:105 Resp: 307950

Ion Ratio Lower Upper

105 100

120 48.3 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 49.523 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063629.D

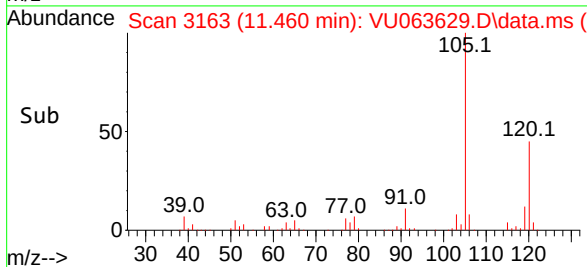
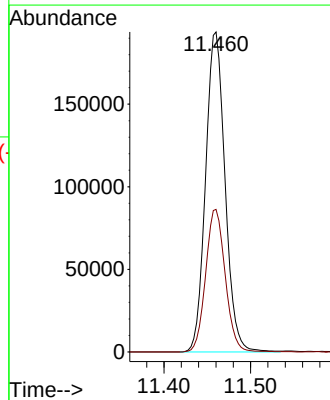
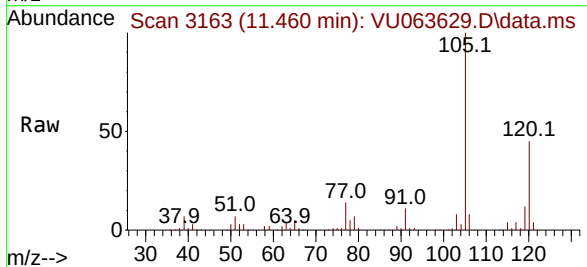
Acq: 23 Sep 2025 12:09

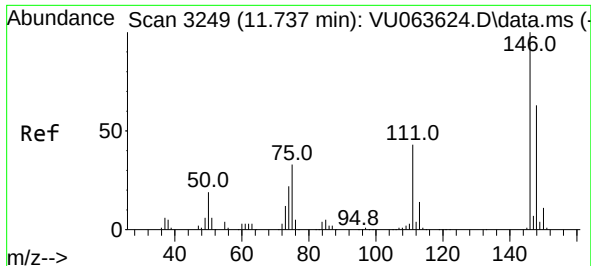
Tgt Ion:105 Resp: 302487

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4

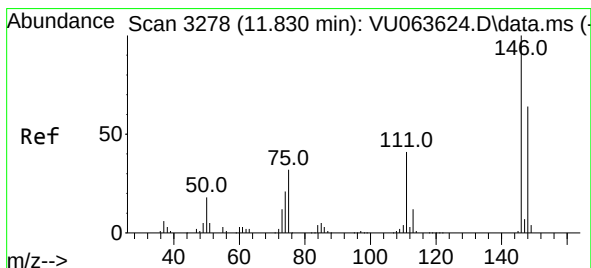
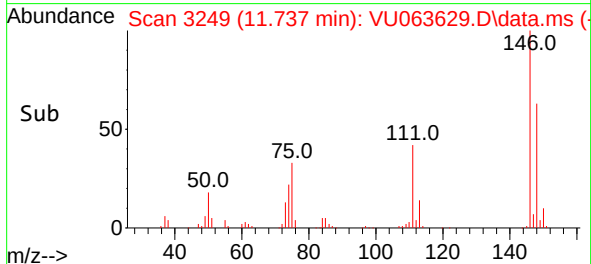
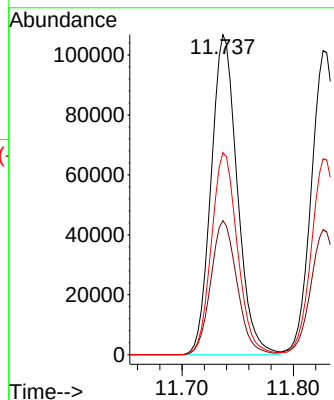
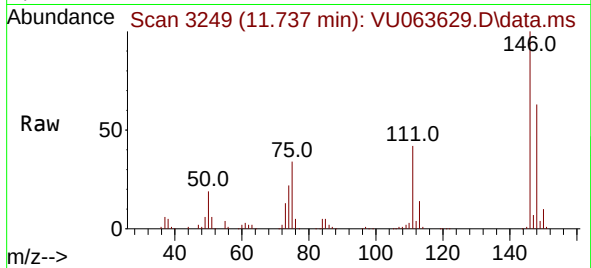




#64
1,3-Dichlorobenzene
Concen: 49.890 ug/L
RT: 11.737 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

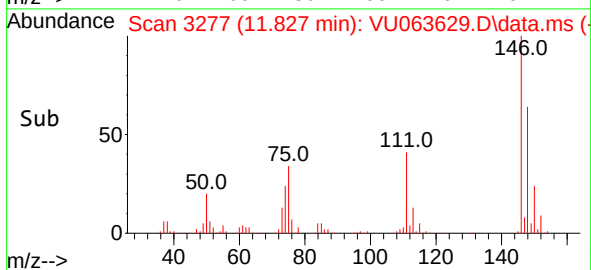
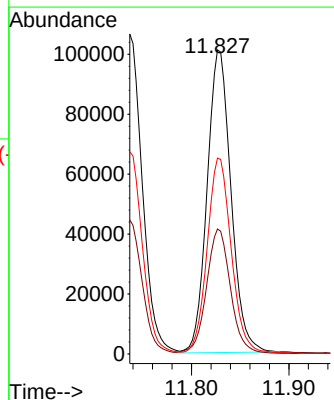
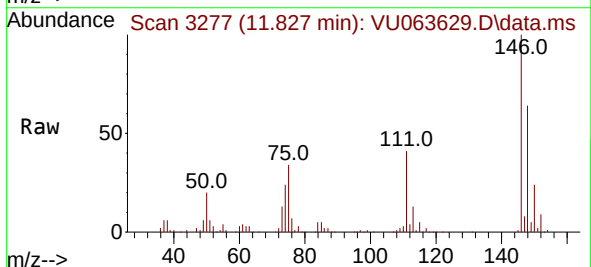
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

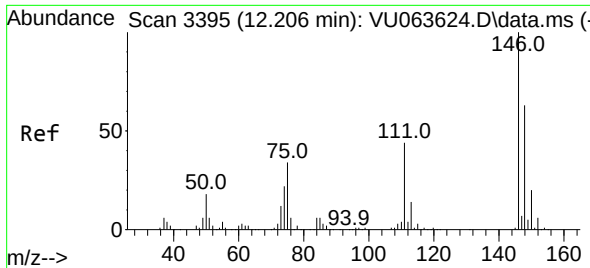
Tgt Ion:146 Resp: 174182
Ion Ratio Lower Upper
146 100
111 41.9 28.6 53.0
148 63.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 48.668 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion:146 Resp: 171902
Ion Ratio Lower Upper
146 100
111 41.1 27.9 51.9
148 64.4 44.0 81.8

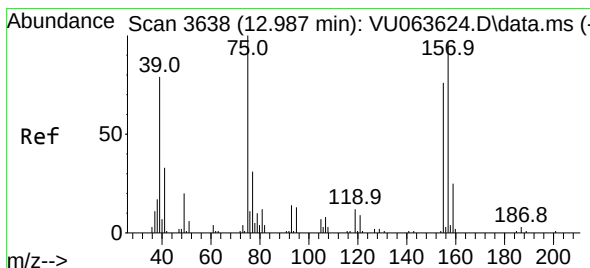
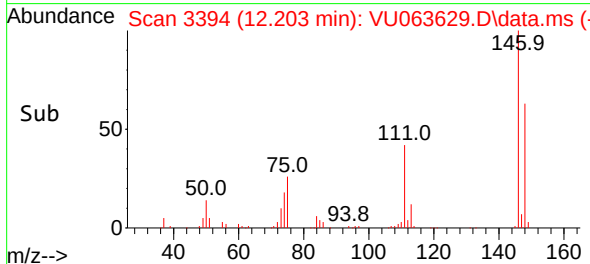
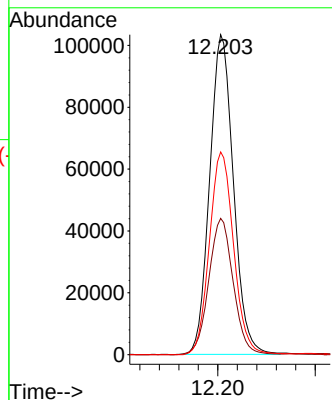
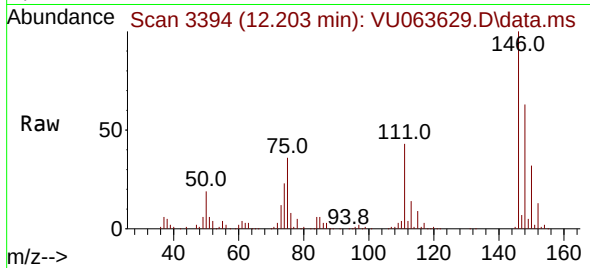




#67
1,2-Dichlorobenzene
Concen: 50.892 ug/L
RT: 12.203 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

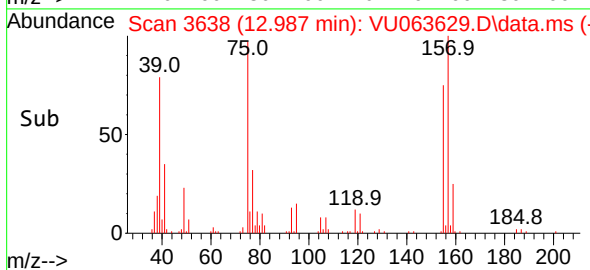
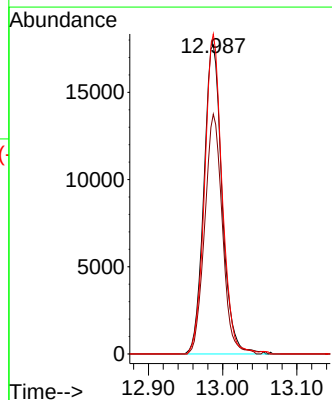
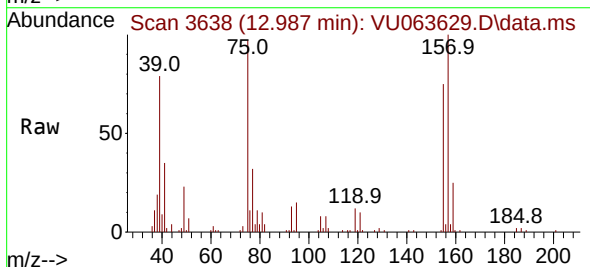
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

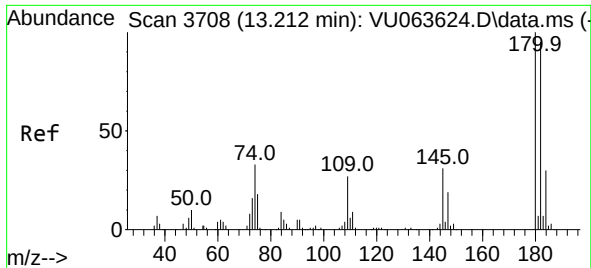
Tgt Ion:146 Resp: 174717
Ion Ratio Lower Upper
146 100
111 42.6 33.6 50.4
148 63.4 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 56.760 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU063629.D
Acq: 23 Sep 2025 12:09

Tgt Ion: 75 Resp: 30145
Ion Ratio Lower Upper
75 100
155 77.6 66.6 99.8
157 103.6 87.6 131.4

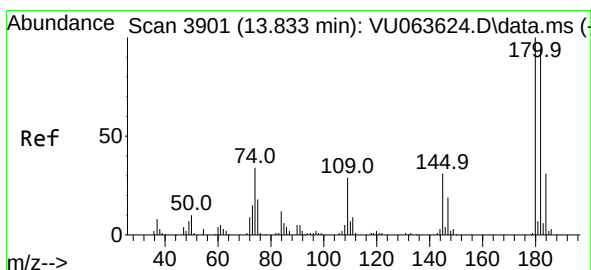
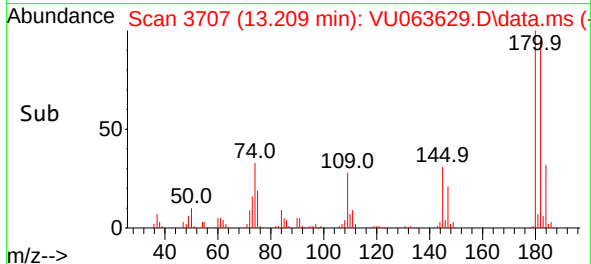
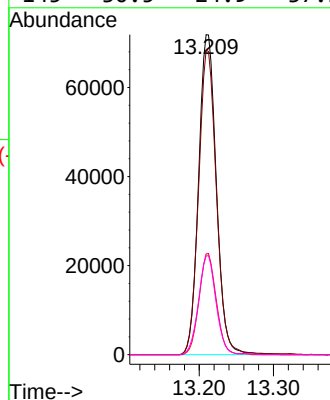
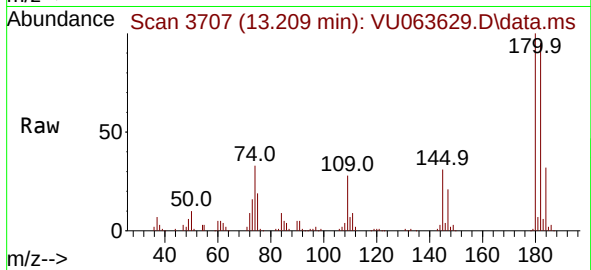




#69
 1,3,5-Trichlorobenzene
 Concen: 48.774 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

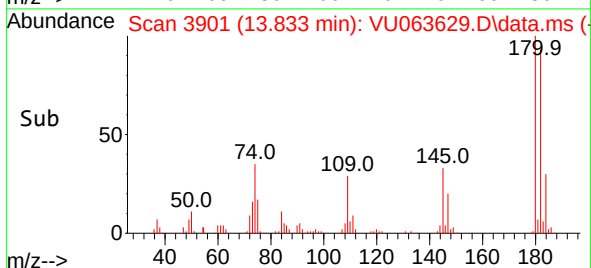
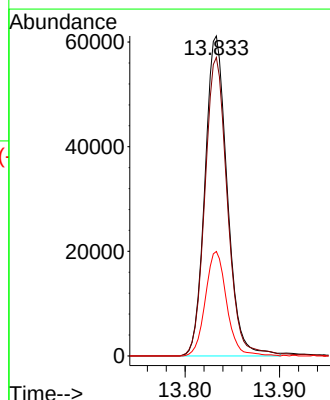
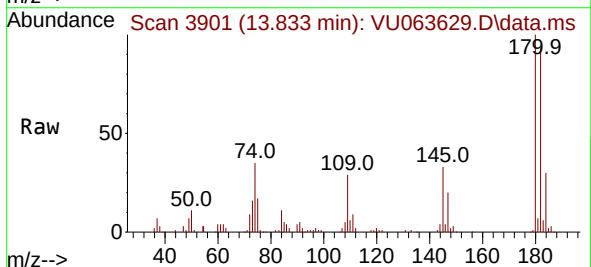
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

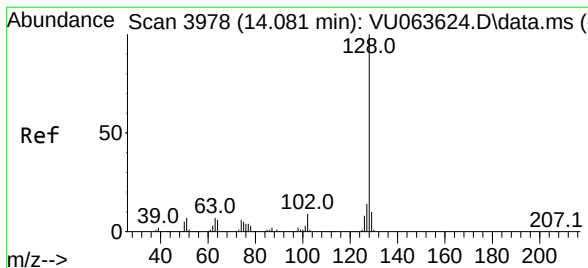
Tgt Ion:180 Resp: 119050
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 184 30.6 24.4 36.6
 145 30.5 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 49.765 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063629.D
 Acq: 23 Sep 2025 12:09

Tgt Ion:180 Resp: 100285
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.4 113.0
 145 31.2 24.6 37.0





#71

Naphthalene

Concen: 52.333 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

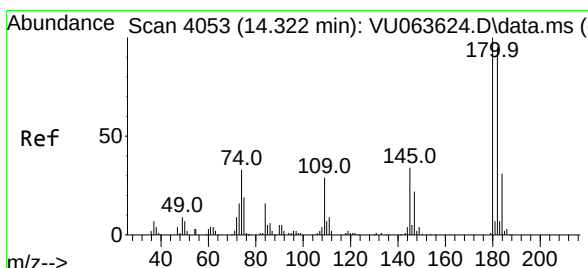
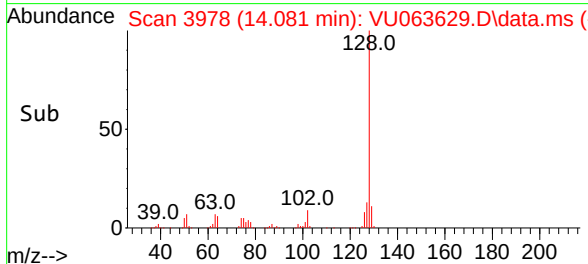
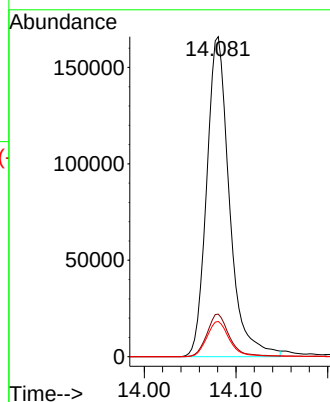
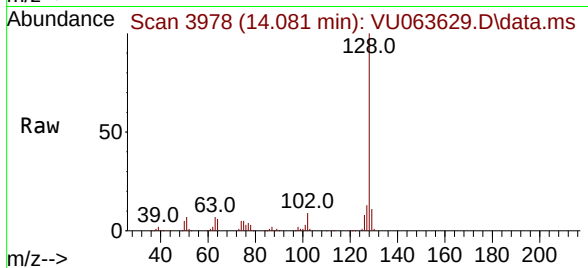
Tgt Ion:128 Resp: 286529

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.926 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063629.D

Acq: 23 Sep 2025 12:09

Tgt Ion:180 Resp: 98362

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

145 33.6 25.9 38.9

