

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063730.D
 Acq On : 17 Nov 2025 16:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Quant Time: Nov 18 02:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	318133	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	312177	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	168342	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	129321	47.074	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.140%
7) Chloroethane-d5	1.891	69	98462	46.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.040%
11) 1,1-Dichloroethene-d2	2.541	63	228700	48.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.060%
21) 2-Butanone-d5	4.595	46	157305	100.440	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.440%
24) Chloroform-d	5.029	84	219626	47.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
26) 1,2-Dichloroethane-d4	5.669	65	143788	47.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
32) Benzene-d6	5.695	84	428507	46.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
36) 1,2-Dichloropropane-d6	6.660	67	123469	45.963	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.872	98	398416	45.858	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	8.155	79	49622	44.700	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.400%
47) 2-Hexanone-d5	8.608	63	98872	101.231	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.230%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	186617	47.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.167	152	153688	48.362	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	90193	48.713	ug/L	100
3) Chloromethane	1.509	50	100902	48.166	ug/L	99
5) Vinyl chloride	1.589	62	121560	49.906	ug/L	99
6) Bromomethane	1.833	94	77248	50.045	ug/L	98
8) Chloroethane	1.914	64	80648	49.604	ug/L	97
9) Trichlorofluoromethane	2.116	101	194371	50.595	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	113168	49.841	ug/L	97
12) 1,1-Dichloroethene	2.554	96	103808	49.988	ug/L	93
13) Acetone	2.602	43	192126	90.643	ug/L	98
14) Carbon disulfide	2.766	76	253673	46.896	ug/L	97
15) Methyl Acetate	2.923	43	138062	54.243	ug/L	100
16) Methylene chloride	3.017	84	120992	49.978	ug/L	99
17) trans-1,2-Dichloroethene	3.322	96	110680	49.990	ug/L	99
18) Methyl tert-butyl Ether	3.335	73	380831	50.824	ug/L	99
19) 1,1-Dichloroethane	3.833	63	210618	49.368	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	129424	50.783	ug/L	98
22) 2-Butanone	4.673	43	209677	89.043	ug/L	95
23) Bromochloromethane	4.939	128	67495	51.512	ug/L	94
25) Chloroform	5.052	83	234488	50.777	ug/L	99

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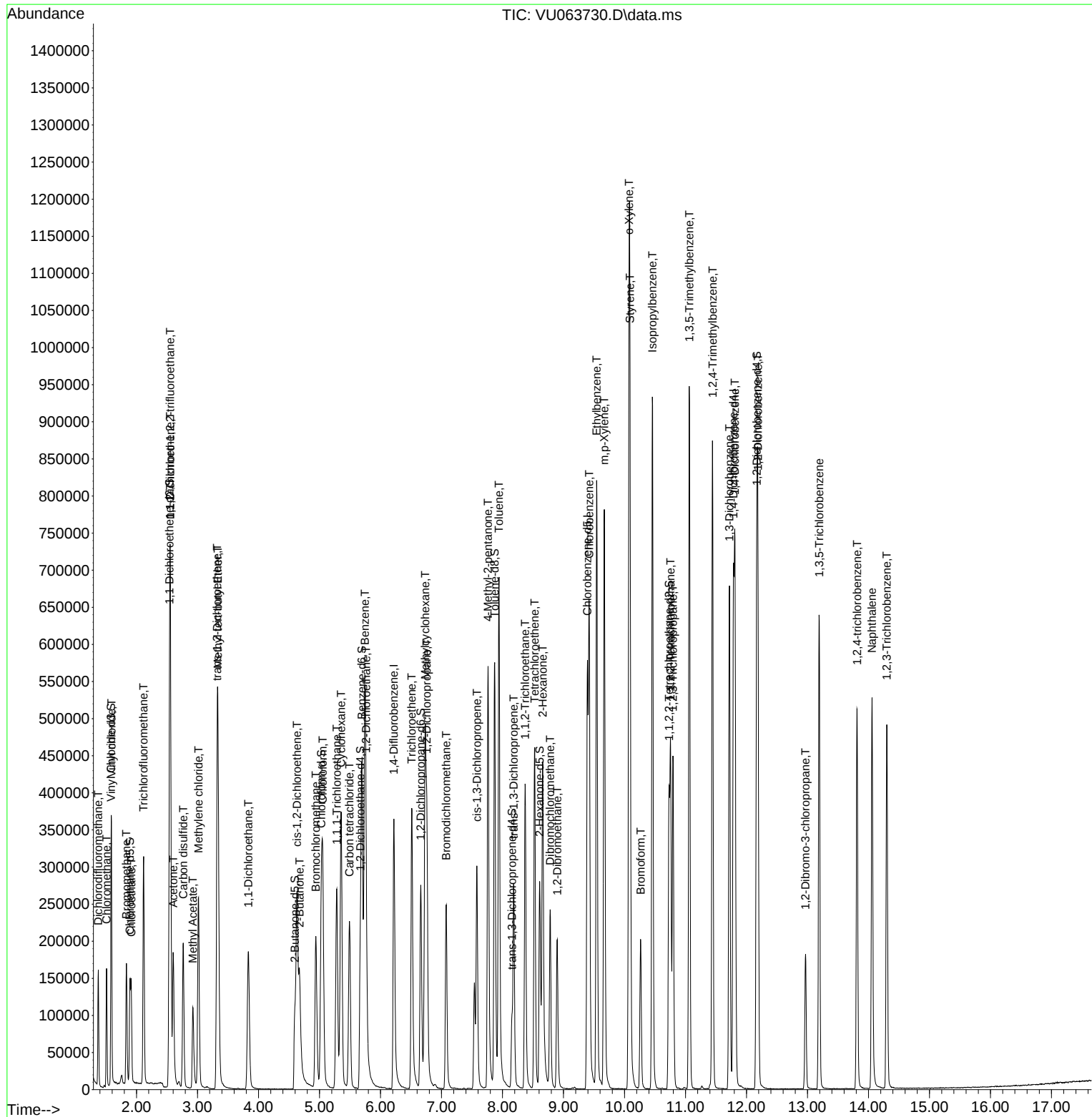
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.762	62	190561	50.548	ug/L	98
29) Cyclohexane	5.354	56	192112	48.911	ug/L	95
30) 1,1,1-Trichloroethane	5.283	97	197104	49.445	ug/L	100
31) Carbon tetrachloride	5.492	117	154501	49.290	ug/L	98
33) Benzene	5.743	78	470212	49.385	ug/L	100
34) Trichloroethene	6.512	95	136109	49.586	ug/L	98
35) Methylcyclohexane	6.734	83	190569	47.295	ug/L	99
37) 1,2-Dichloropropane	6.759	63	123916	50.078	ug/L	99
38) Bromodichloromethane	7.078	83	166499	49.138	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	178144	48.545	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	376710	105.178	ug/L	100
42) Toluene	7.942	91	532011	50.611	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	148604	46.391	ug/L	97
45) 1,1,2-Trichloroethane	8.370	97	131177	50.128	ug/L	99
46) Tetrachloroethene	8.528	164	102621	48.888	ug/L	98
48) 2-Hexanone	8.659	43	295732	105.198	ug/L	98
49) Dibromochloromethane	8.782	129	121060	47.903	ug/L	98
50) 1,2-Dibromoethane	8.897	107	138541	50.437	ug/L	96
51) Chlorobenzene	9.422	112	353665	49.856	ug/L	99
52) Ethylbenzene	9.544	91	602848	49.391	ug/L	99
53) m,p-Xylene	9.669	106	233209	50.129	ug/L	98
54) o-Xylene	10.074	106	224793	49.618	ug/L	99
55) Styrene	10.090	104	373604	50.895	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	212029	49.747	ug/L	99
59) Bromoform	10.264	173	87833	45.943	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	181604	49.426	ug/L	98
61) Isopropylbenzene	10.457	105	611212	48.128	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	507019	48.534	ug/L	98
63) 1,2,4-Trimethylbenzene	11.444	105	487510	48.889	ug/L	99
64) 1,3-Dichlorobenzene	11.720	146	272376	47.840	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	280156	48.042	ug/L	98
67) 1,2-Dichlorobenzene	12.187	146	263499	47.737	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	44824	49.405	ug/L	92
69) 1,3,5-Trichlorobenzene	13.193	180	186815	48.548	ug/L	100
70) 1,2,4-trichlorobenzene	13.814	180	153956	47.981	ug/L	100
71) Naphthalene	14.058	128	429880	50.342	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	145345	47.792	ug/L	99

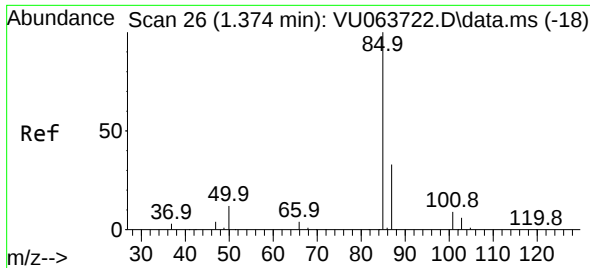
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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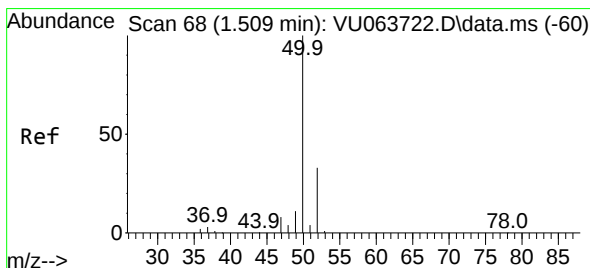
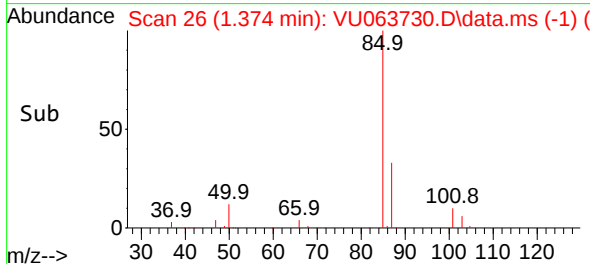
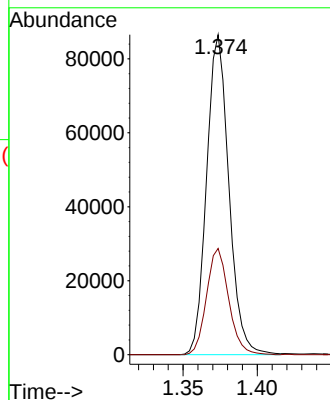
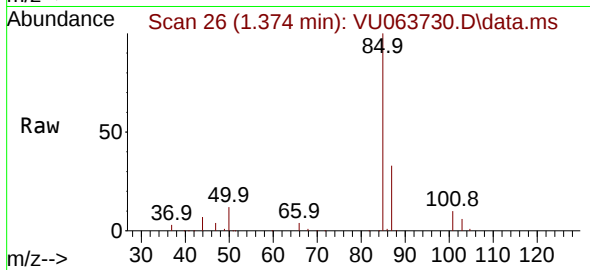




#2
 Dichlorodifluoromethane
 Concen: 48.713 ug/L
 RT: 1.374 min Scan# 26
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

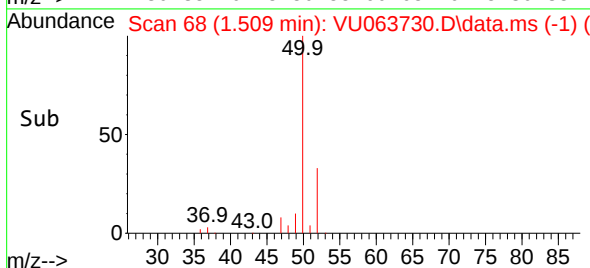
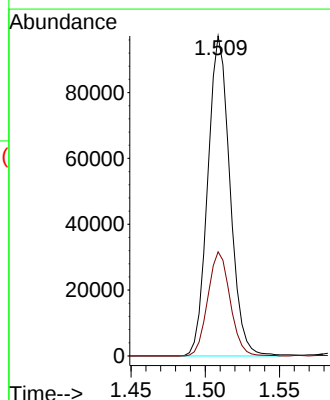
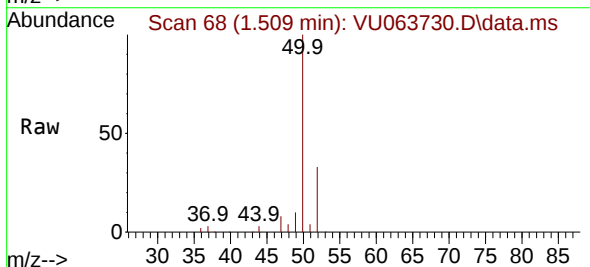
Instrument :
 MSVOA_U
 ClientSampleId :
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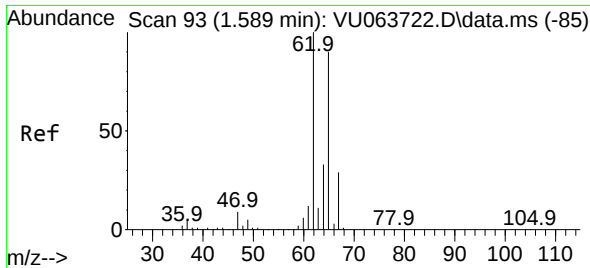
Tgt Ion: 85 Resp: 90193
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.2 39.2



#3
 Chloromethane
 Concen: 48.166 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 50 Resp: 100902
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2

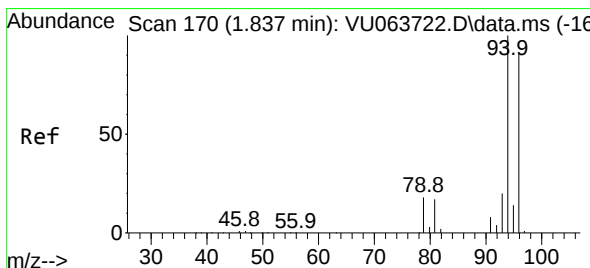
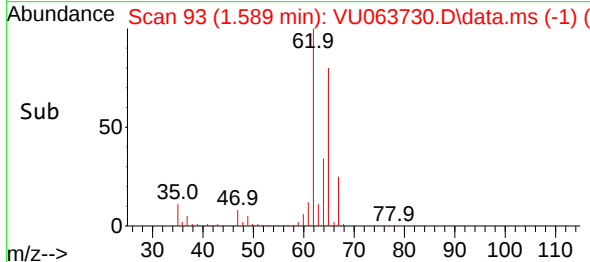
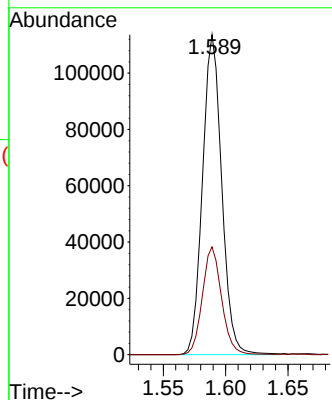
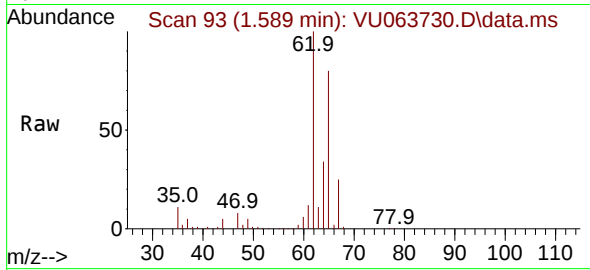




#5
 Vinyl chloride
 Concen: 49.906 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

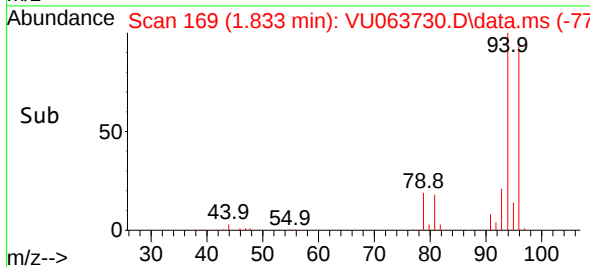
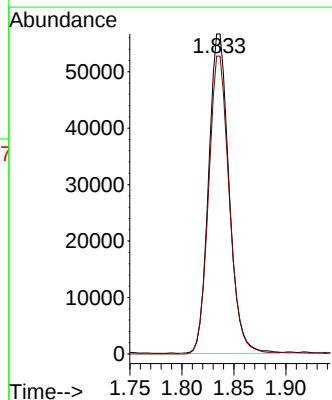
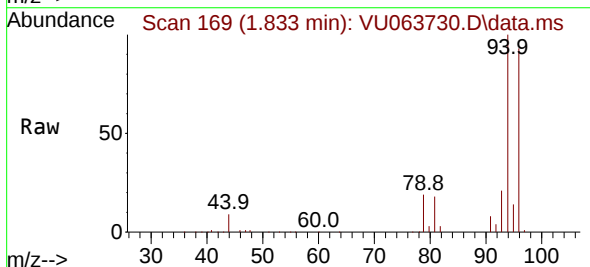
Instrument :
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 ClientSampleId :
 VSTD050112

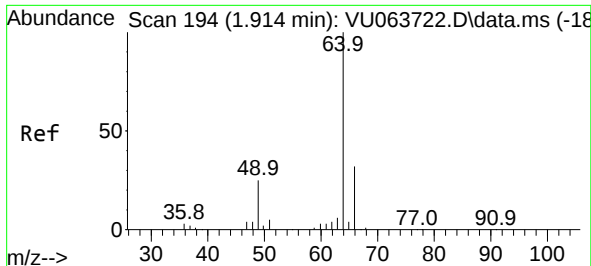
Tgt Ion: 62 Resp: 121560
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.2



#6
 Bromomethane
 Concen: 50.045 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 94 Resp: 77248
 Ion Ratio Lower Upper
 94 100
 96 93.1 63.8 118.4

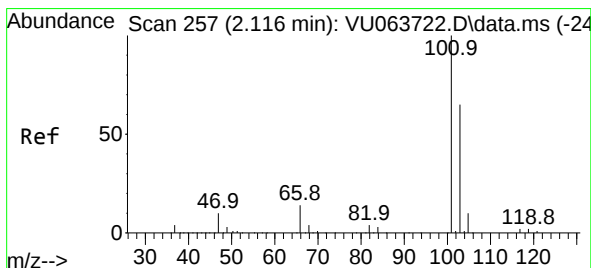
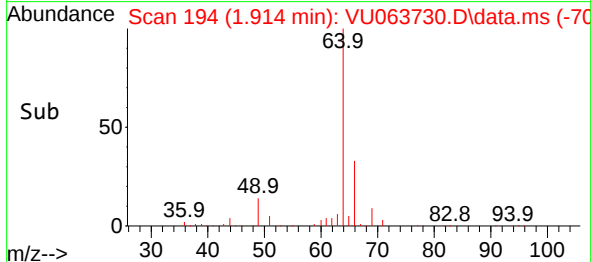
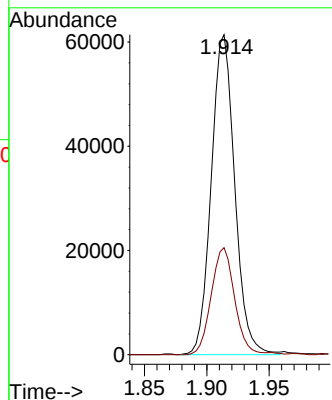
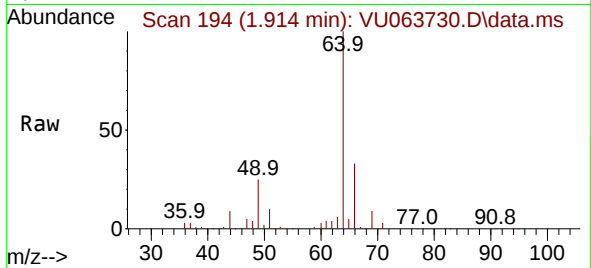




#8
Chloroethane
Concen: 49.604 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

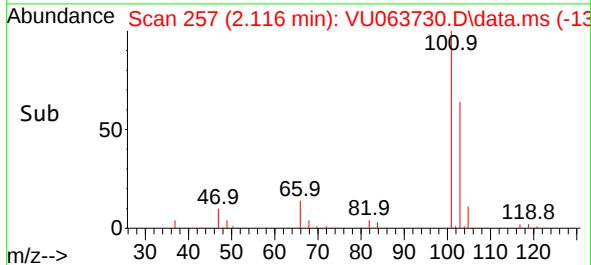
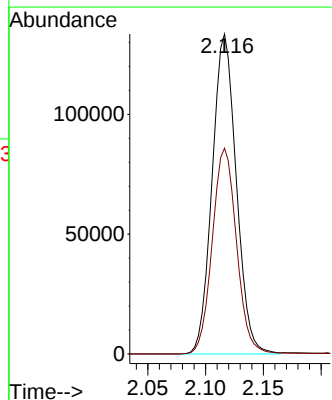
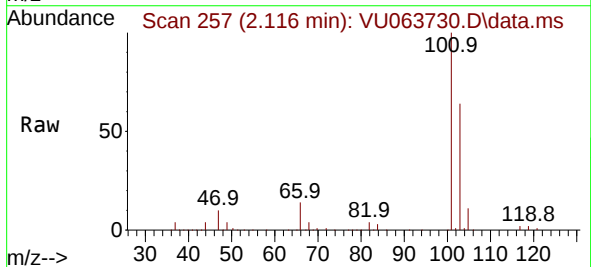
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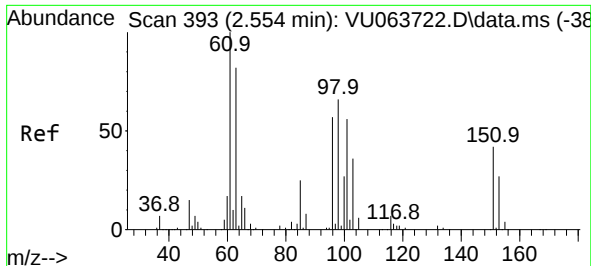
Tgt Ion: 64 Resp: 80648
Ion Ratio Lower Upper
64 100
66 33.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.595 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:101 Resp: 194371
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

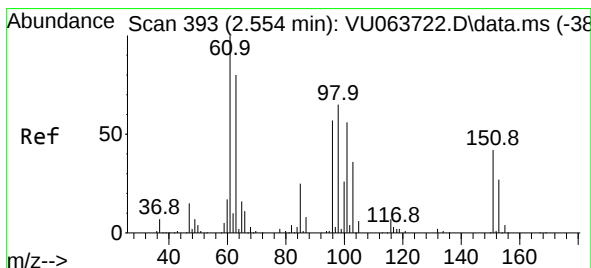
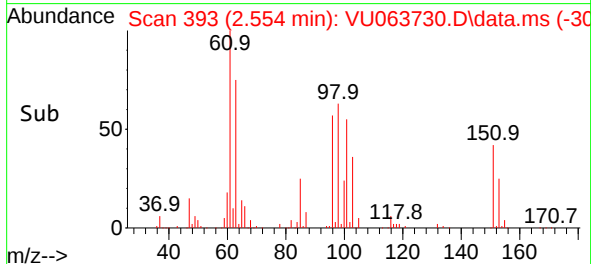
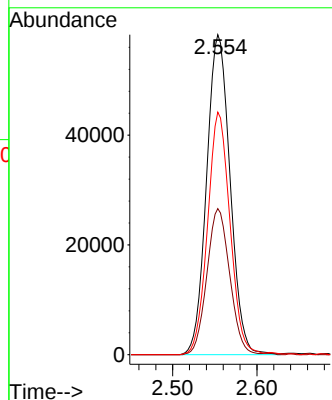
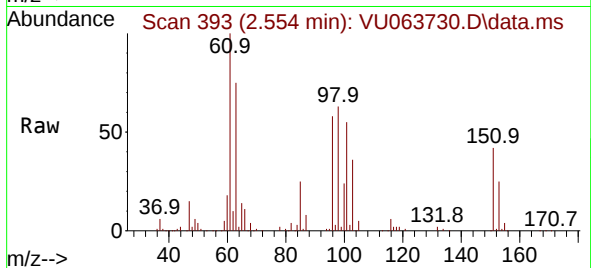




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.841 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

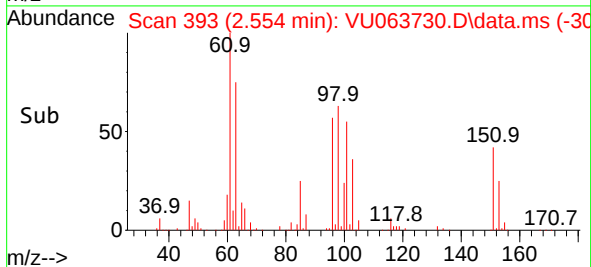
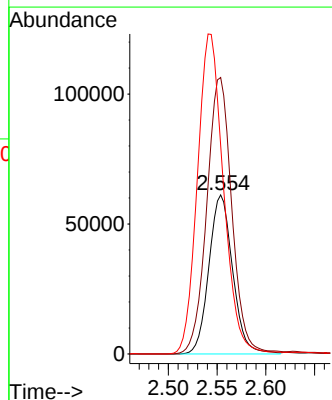
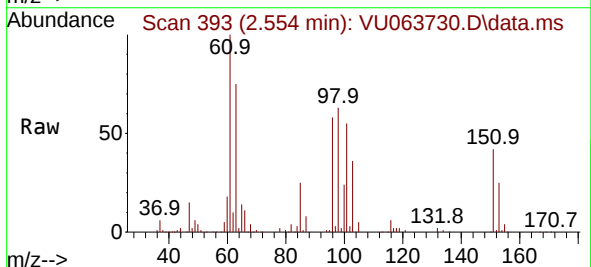
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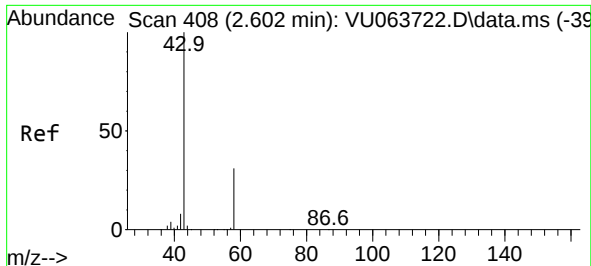
Tgt Ion:101 Resp: 113168
 Ion Ratio Lower Upper
 101 100
 85 44.3 36.3 54.5
 151 72.4 60.1 90.1



#12
 1,1-Dichloroethene
 Concen: 49.988 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 96 Resp: 103808
 Ion Ratio Lower Upper
 96 100
 61 173.8 123.3 228.9
 63 131.1 103.3 191.8





#13

Acetone

Concen: 90.643 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

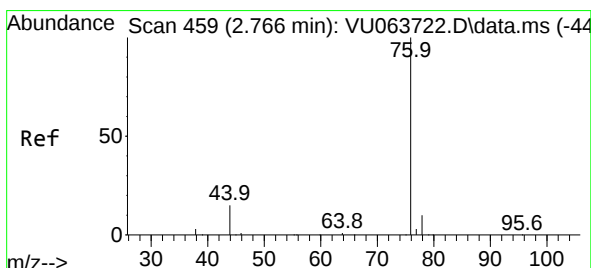
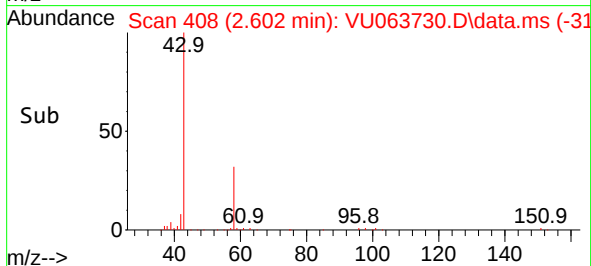
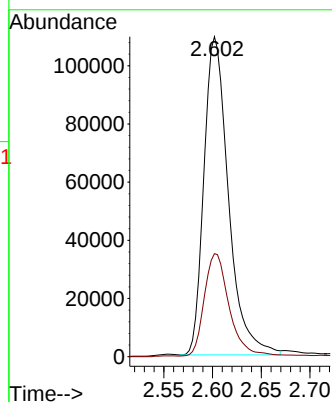
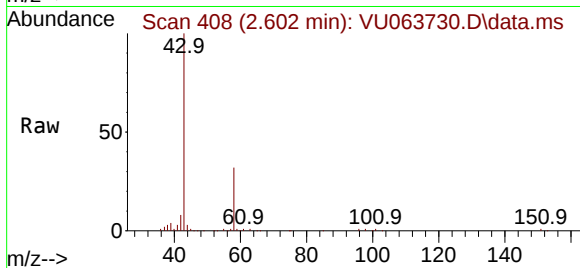
VSTD050112

Tgt Ion: 43 Resp: 192126

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.4



#14

Carbon disulfide

Concen: 46.896 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063730.D

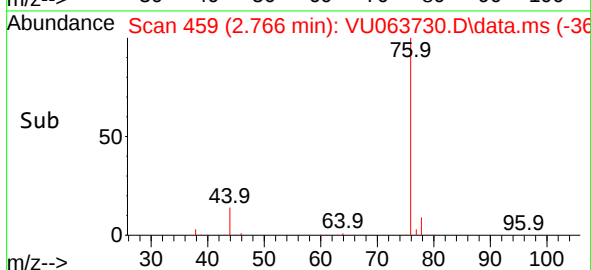
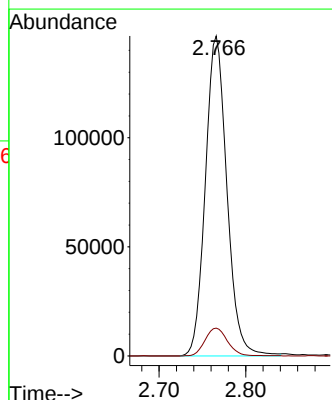
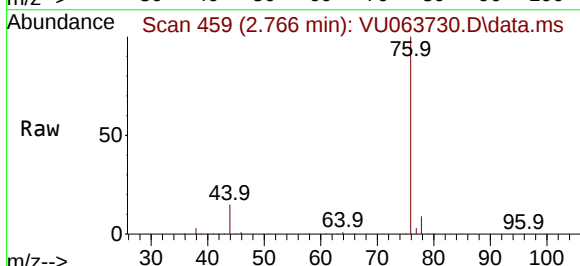
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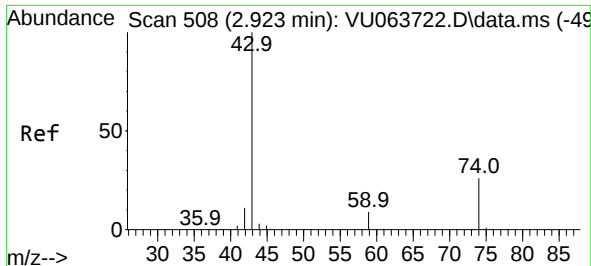
Tgt Ion: 76 Resp: 253673

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6

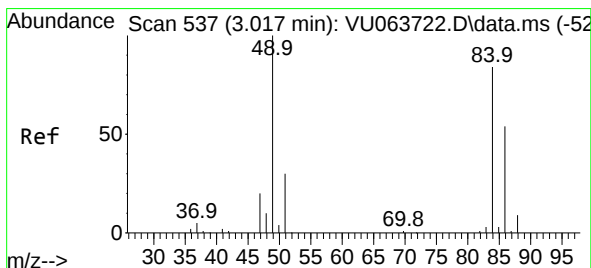
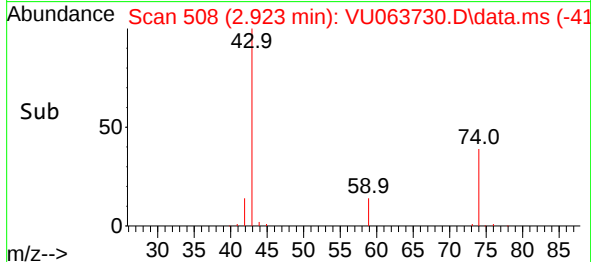
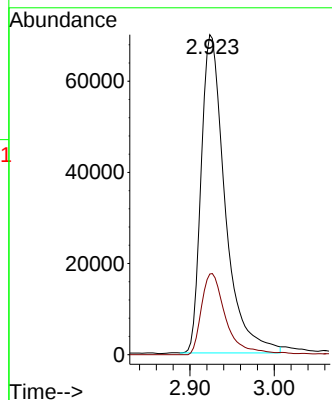
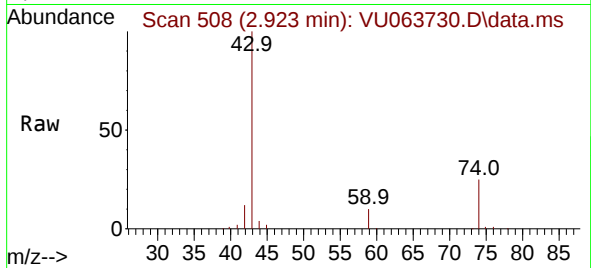




#15
Methyl Acetate
Concen: 54.243 ug/L
RT: 2.923 min Scan# 508
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

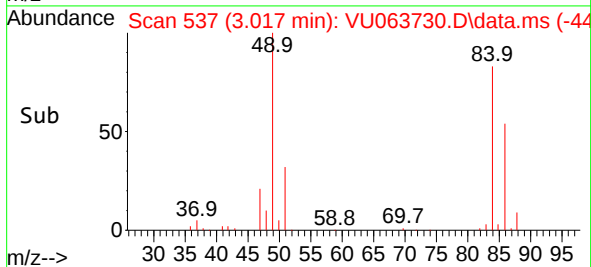
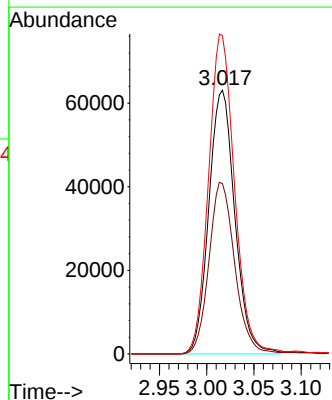
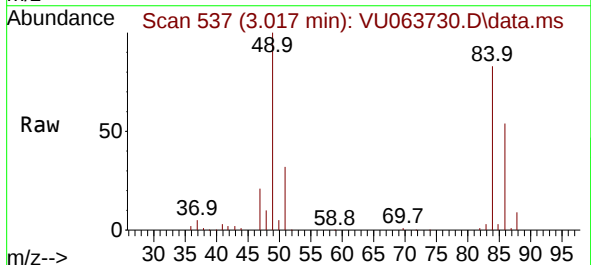
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

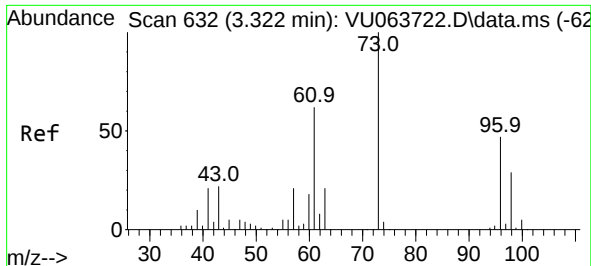
Tgt Ion: 43 Resp: 138062
Ion Ratio Lower Upper
43 100
74 25.8 20.5 30.7



#16
Methylene chloride
Concen: 49.978 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion: 84 Resp: 120992
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 120.7 83.6 155.2



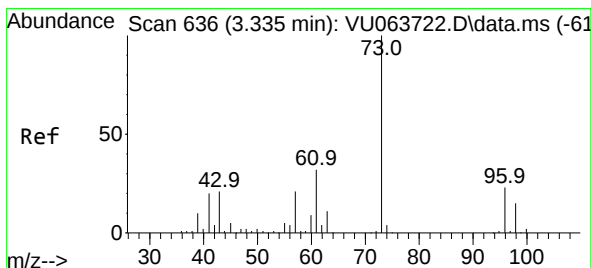
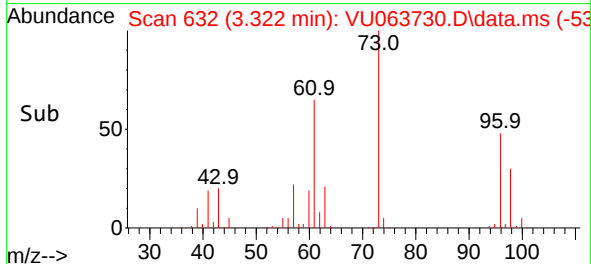
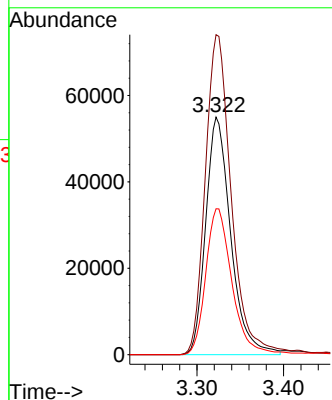
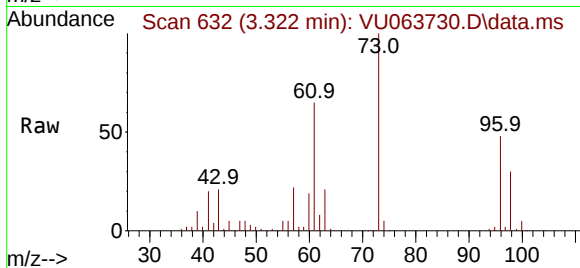


#17
 trans-1,2-Dichloroethene
 Concen: 49.990 ug/L
 RT: 3.322 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Tgt Ion: 96 Resp: 110680

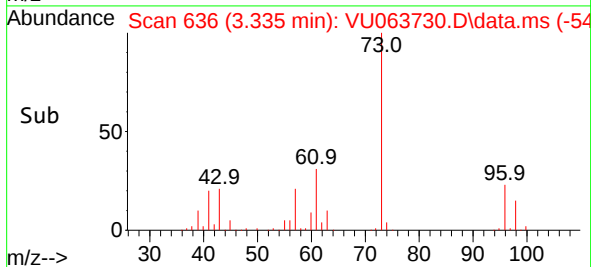
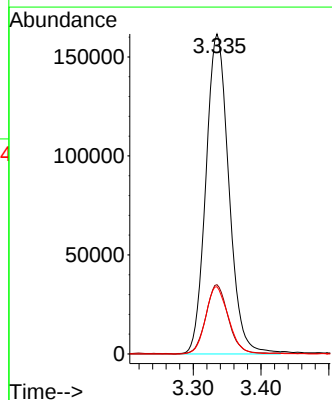
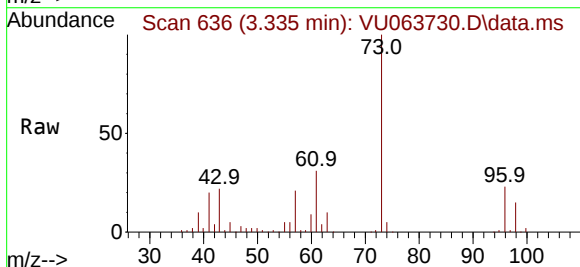
Ion	Ratio	Lower	Upper
96	100		
61	134.7	92.7	172.1
98	61.4	43.2	80.2

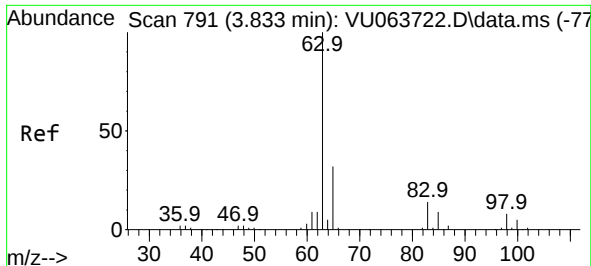


#18
 Methyl tert-butyl Ether
 Concen: 50.824 ug/L
 RT: 3.335 min Scan# 636
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 73 Resp: 380831

Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.6	24.8
57	20.8	16.3	24.5

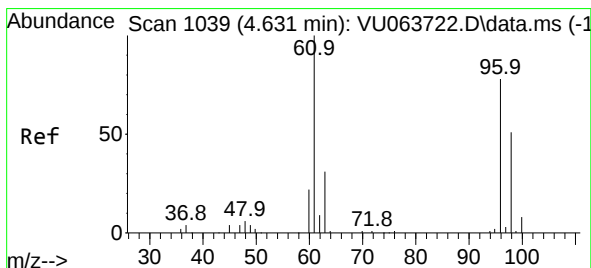
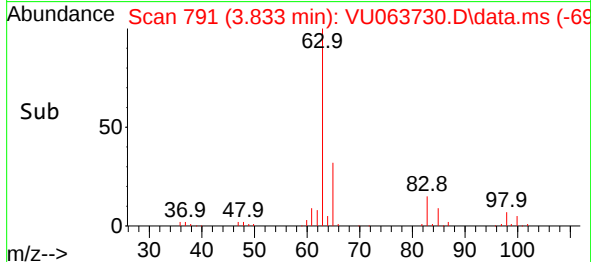
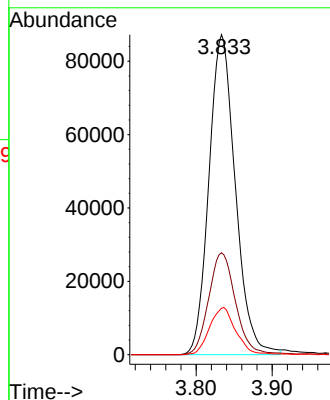
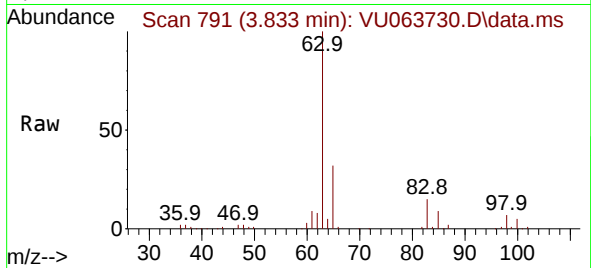




#19
 1,1-Dichloroethane
 Concen: 49.368 ug/L
 RT: 3.833 min Scan# 791
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

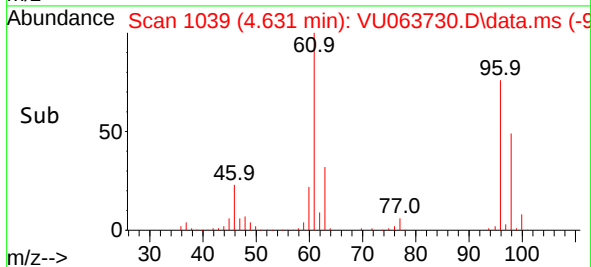
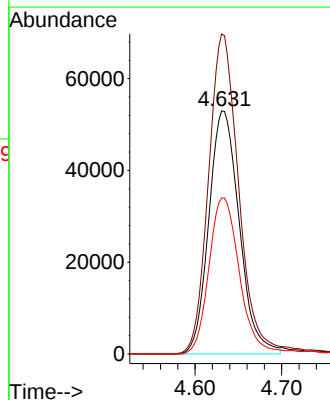
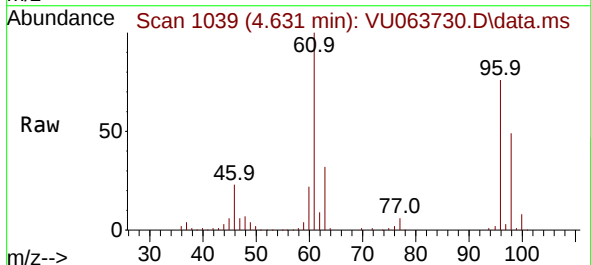
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

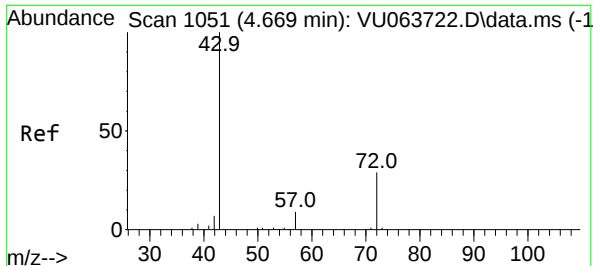
Tgt Ion: 63 Resp: 210618
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 41.0
 83 14.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.783 ug/L
 RT: 4.631 min Scan# 1039
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 96 Resp: 129424
 Ion Ratio Lower Upper
 96 100
 61 131.7 90.3 167.7
 98 64.2 46.3 86.1

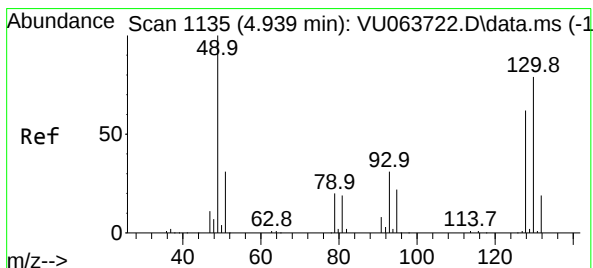
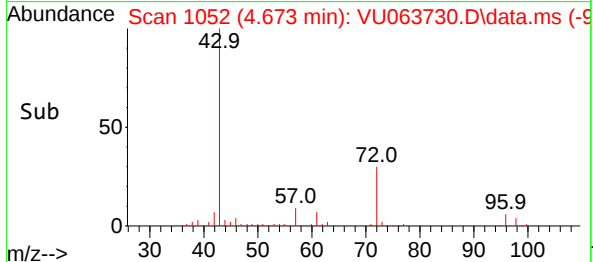
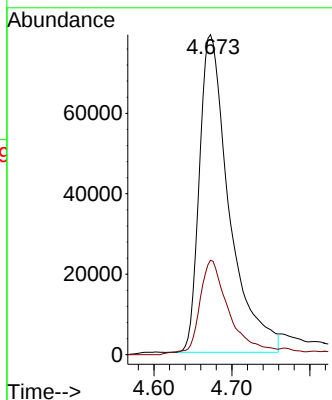
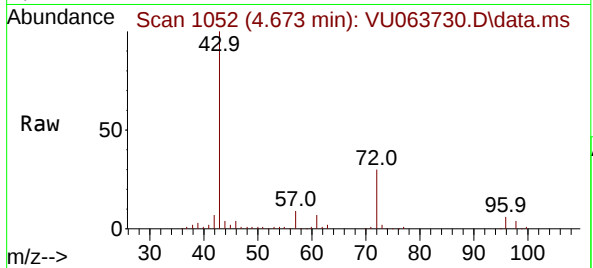




#22
2-Butanone
Concen: 89.043 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

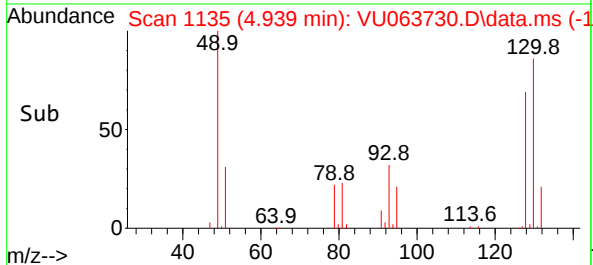
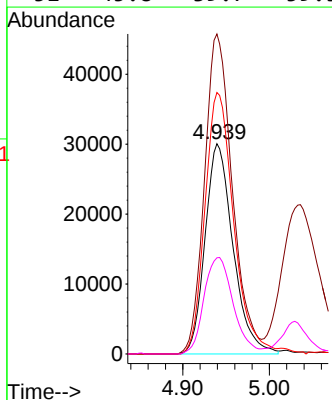
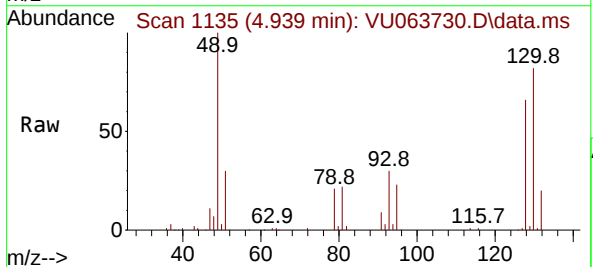
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

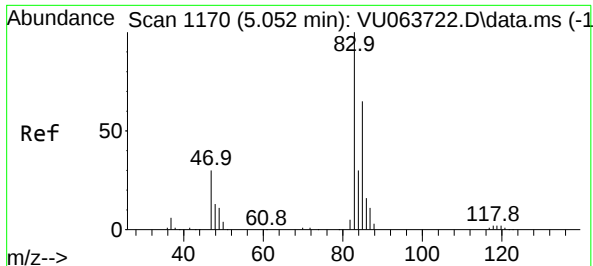
Tgt Ion: 43 Resp: 209677
Ion Ratio Lower Upper
43 100
72 29.8 13.6 40.7



#23
Bromochloromethane
Concen: 51.512 ug/L
RT: 4.939 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:128 Resp: 67495
Ion Ratio Lower Upper
128 100
49 152.2 113.5 210.7
130 124.3 89.8 166.8
51 45.8 39.7 59.5

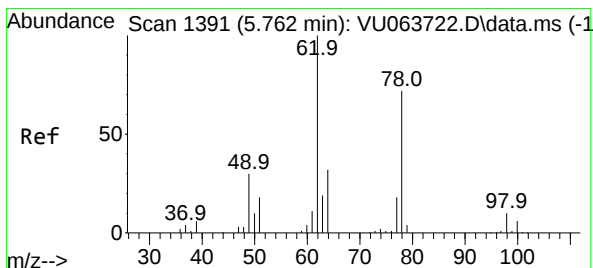
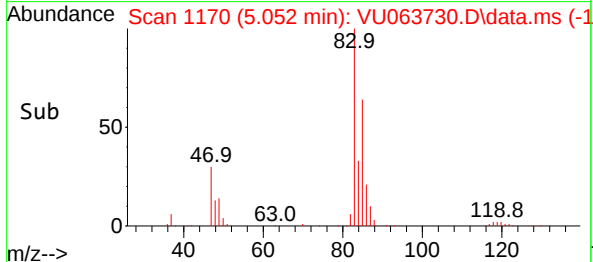
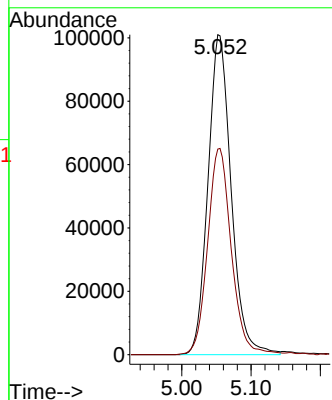
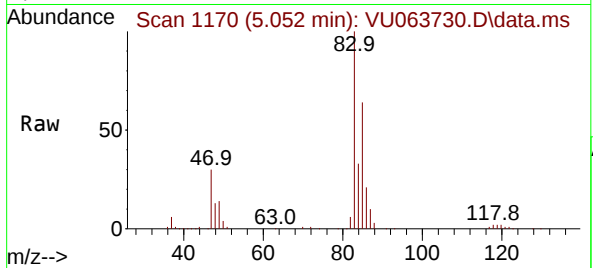




#25
Chloroform
Concen: 50.777 ug/L
RT: 5.052 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

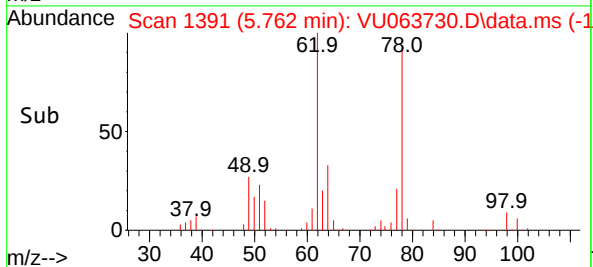
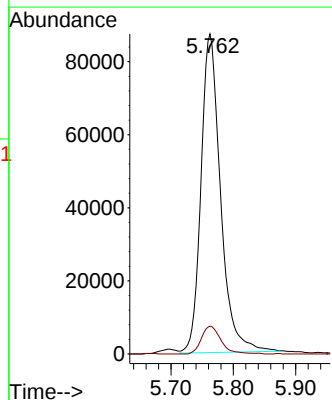
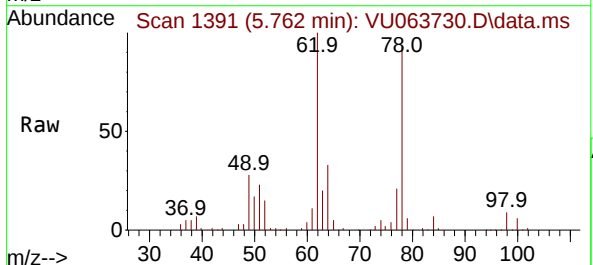
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

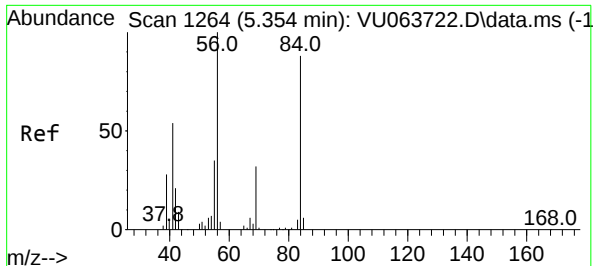
Tgt Ion: 83 Resp: 234488
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.548 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion: 62 Resp: 190561
Ion Ratio Lower Upper
62 100
98 8.7 7.6 11.4





#29

Cyclohexane

Concen: 48.911 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

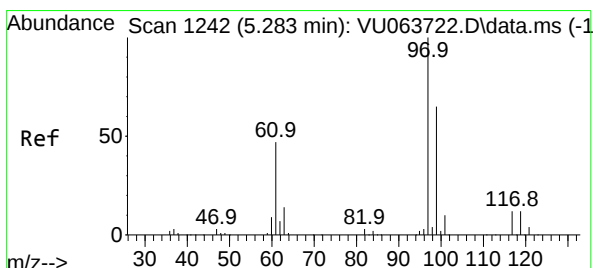
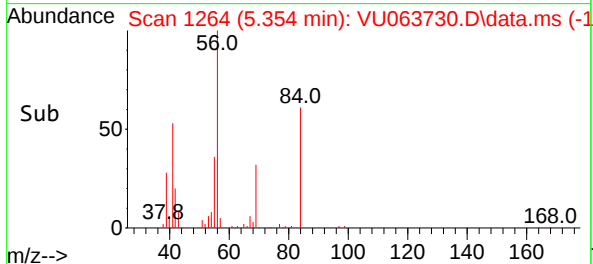
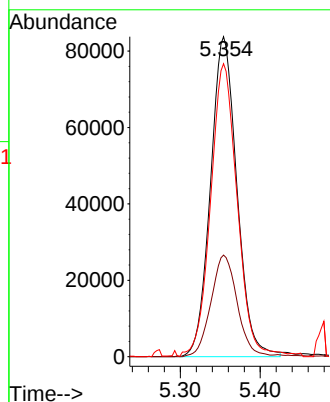
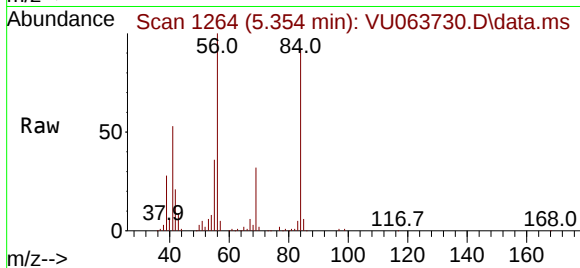
Tgt Ion: 56 Resp: 192112

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.8

84 92.3 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 49.445 ug/L

RT: 5.283 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

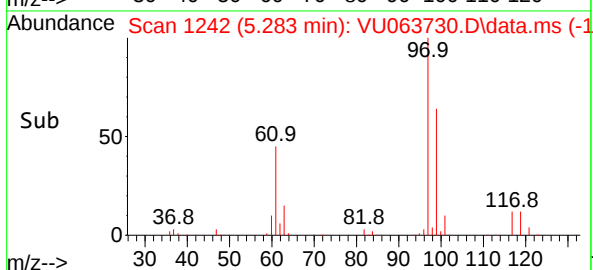
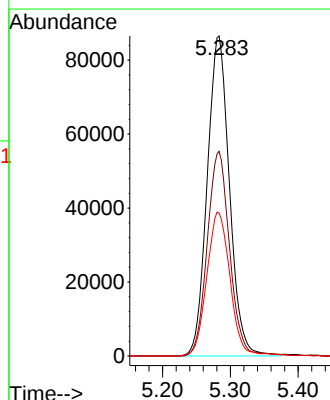
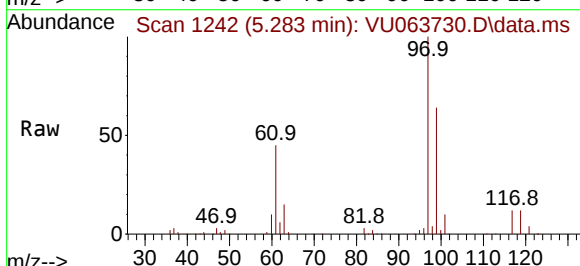
Tgt Ion: 97 Resp: 197104

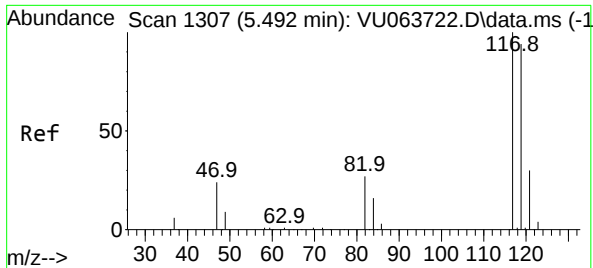
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 46.5 37.2 55.8

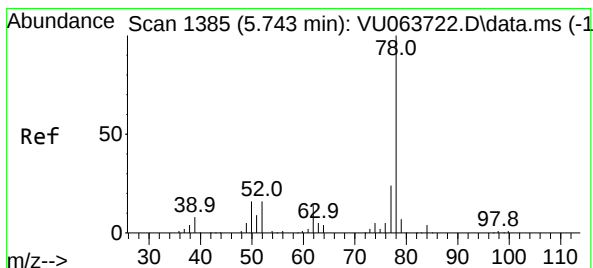
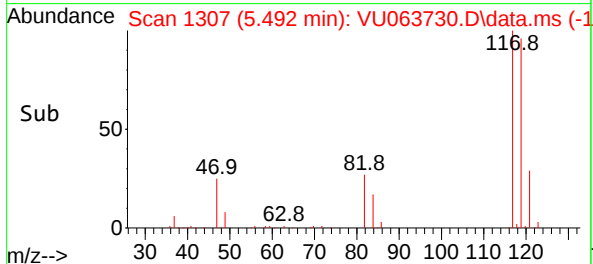
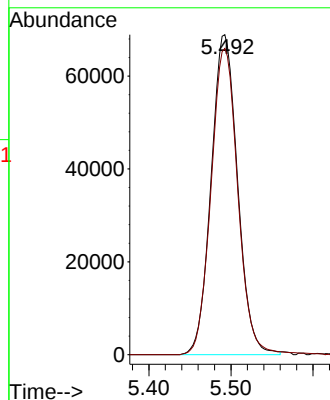
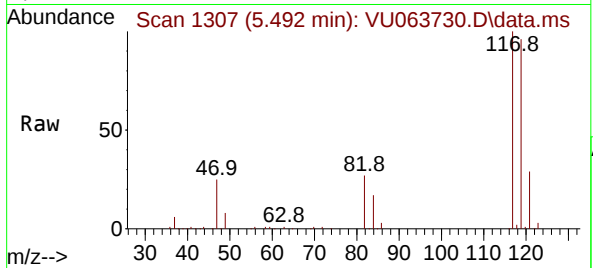




#31
Carbon tetrachloride
Concen: 49.290 ug/L
RT: 5.492 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

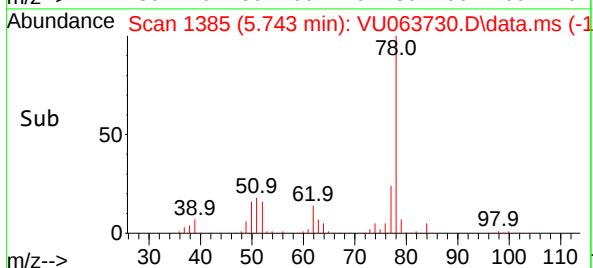
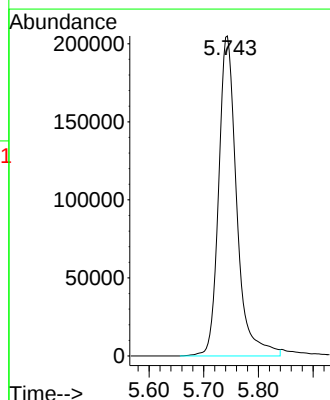
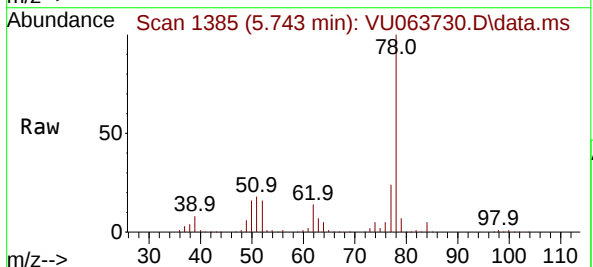
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

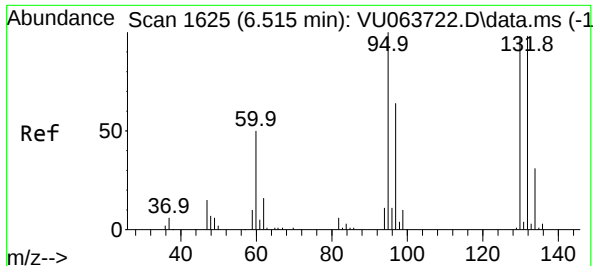
Tgt Ion:117 Resp: 154501
Ion Ratio Lower Upper
117 100
119 97.1 76.0 114.0



#33
Benzene
Concen: 49.385 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion: 78 Resp: 470212





#34

Trichloroethene

Concen: 49.586 ug/L

RT: 6.512 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

Tgt Ion: 95 Resp: 136109

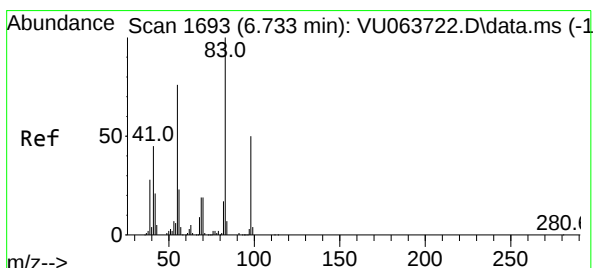
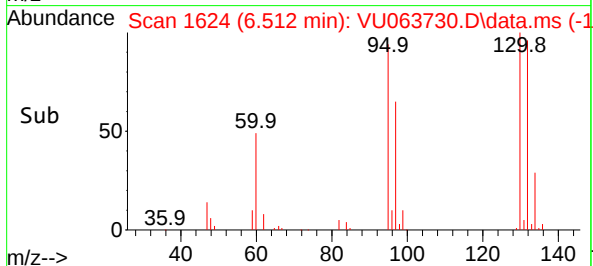
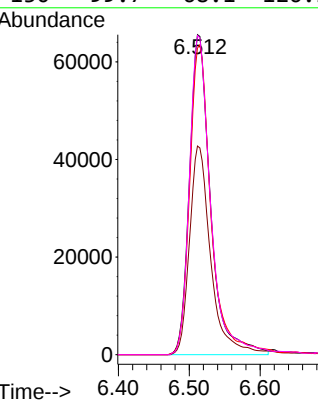
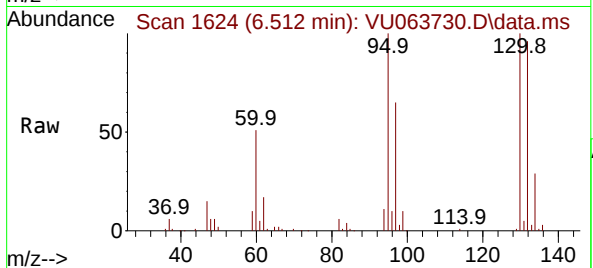
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.9

132 95.8 68.3 126.8

130 99.7 68.1 126.5



#35

Methylcyclohexane

Concen: 47.295 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

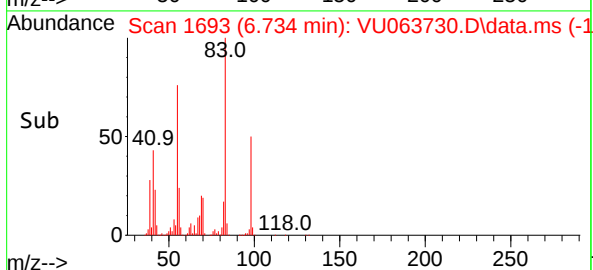
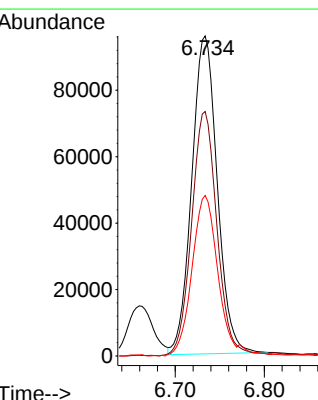
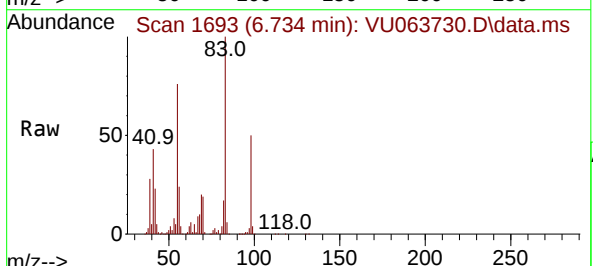
Tgt Ion: 83 Resp: 190569

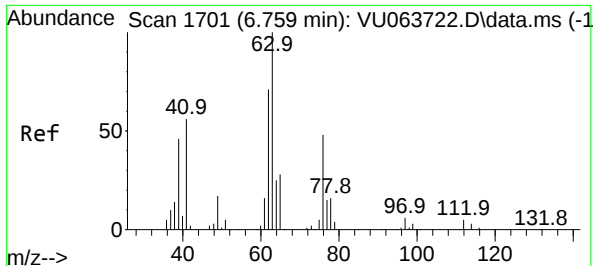
Ion Ratio Lower Upper

83 100

55 76.5 60.9 91.3

98 50.2 39.7 59.5





#37

1,2-Dichloropropane

Concen: 50.078 ug/L

RT: 6.759 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

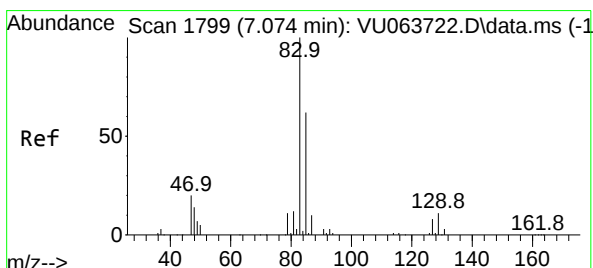
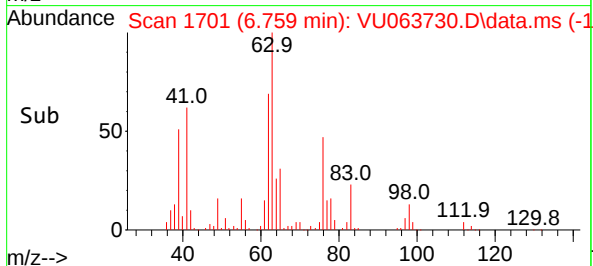
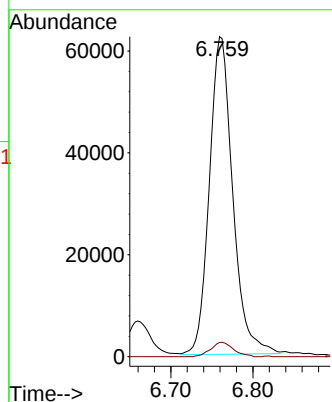
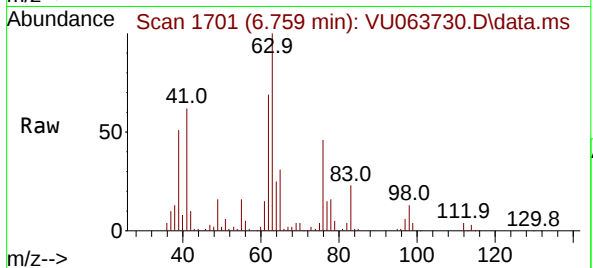
VSTD050112

Tgt Ion: 63 Resp: 123916

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 49.138 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.003 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

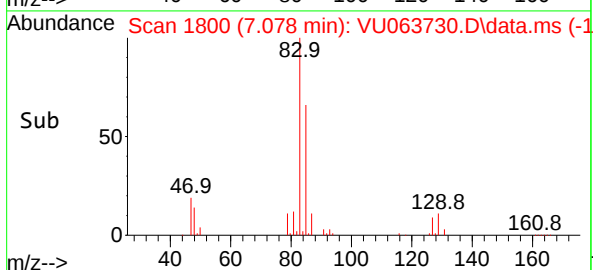
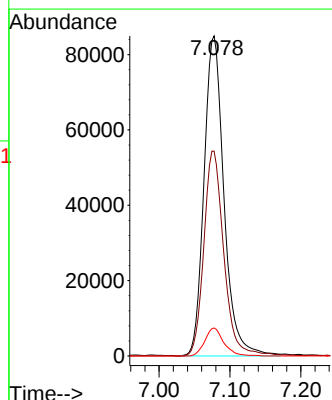
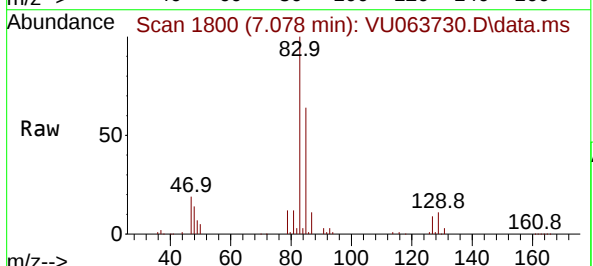
Tgt Ion: 83 Resp: 166499

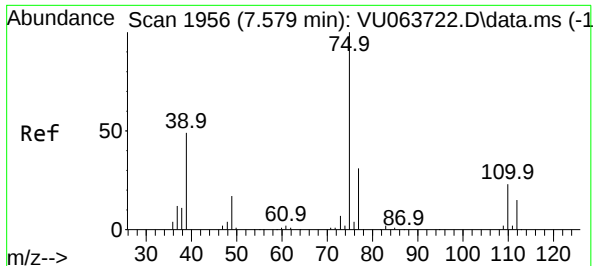
Ion Ratio Lower Upper

83 100

85 64.0 43.1 80.1

127 8.7 6.6 10.0

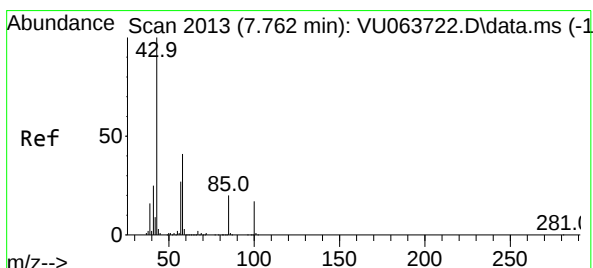
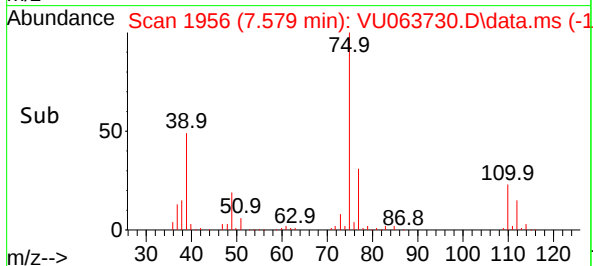
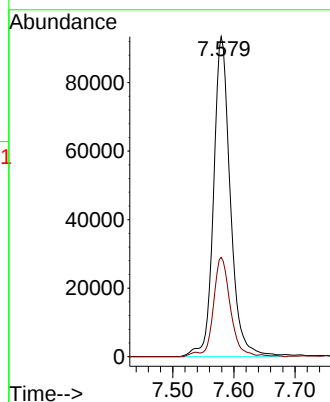
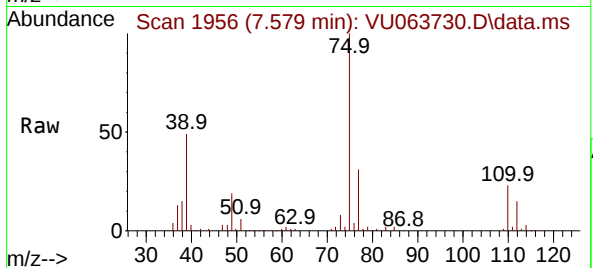




#39
 cis-1,3-Dichloropropene
 Concen: 48.545 ug/L
 RT: 7.579 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

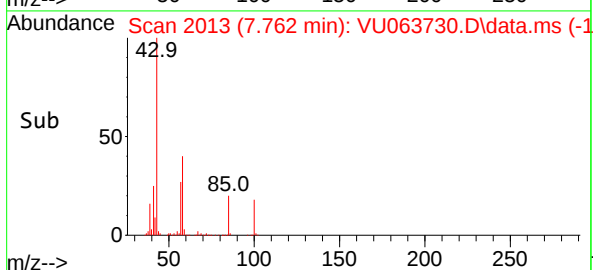
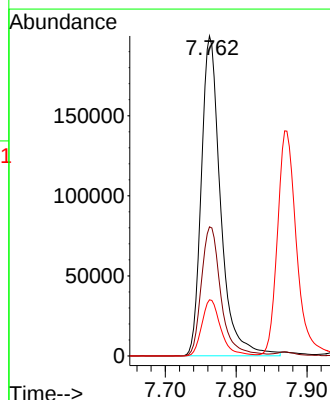
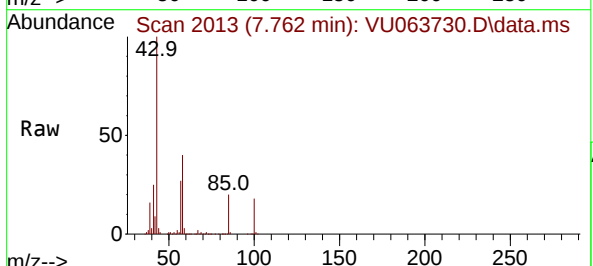
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

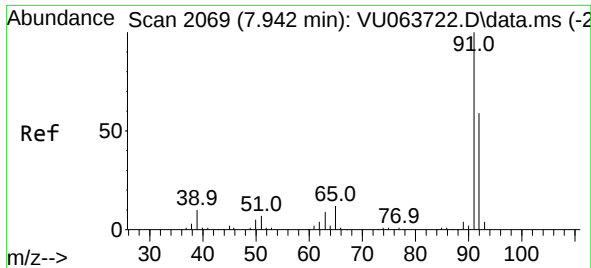
Tgt Ion: 75 Resp: 178144
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 105.178 ug/L
 RT: 7.762 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion: 43 Resp: 376710
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.9 49.3
 100 17.4 13.9 20.9





#42

Toluene

Concen: 50.611 ug/L

RT: 7.942 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

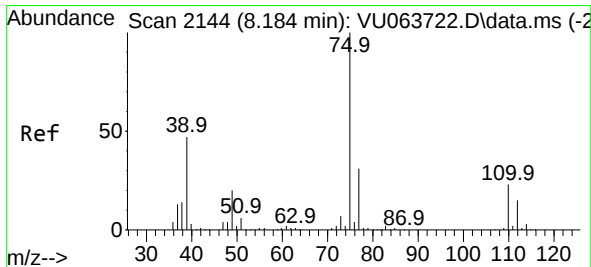
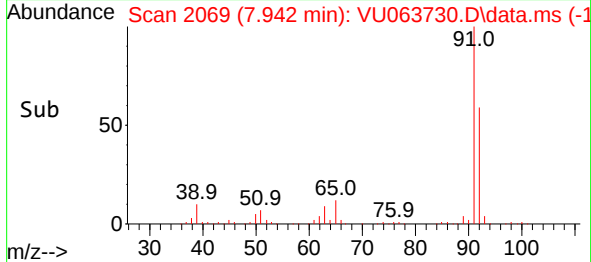
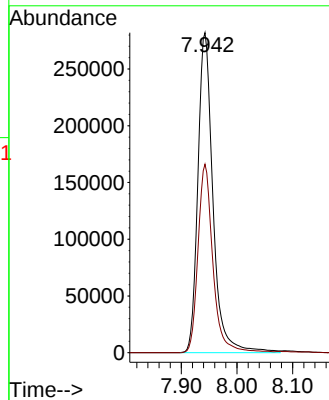
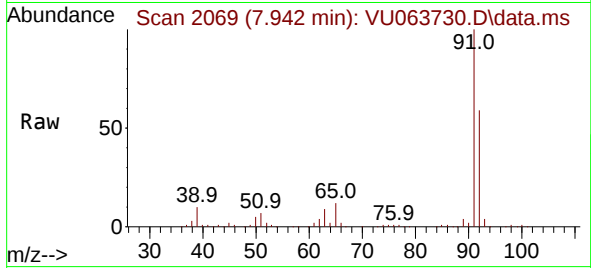
VSTD050112

Tgt Ion: 91 Resp: 532011

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 46.391 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063730.D

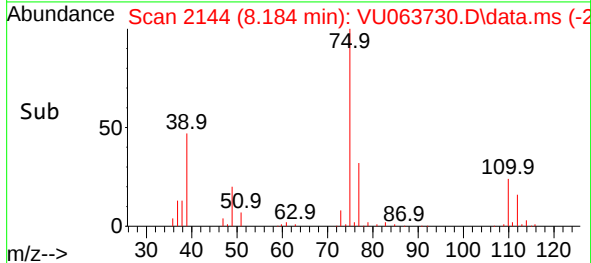
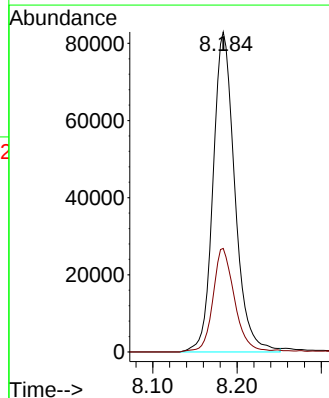
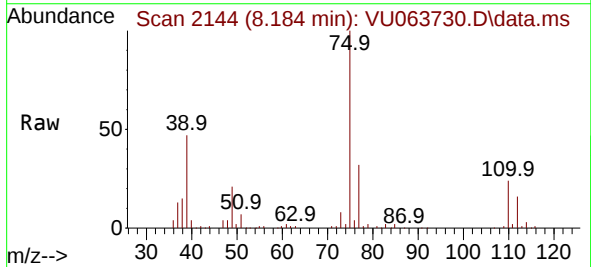
Acq: 17 Nov 2025 16:21

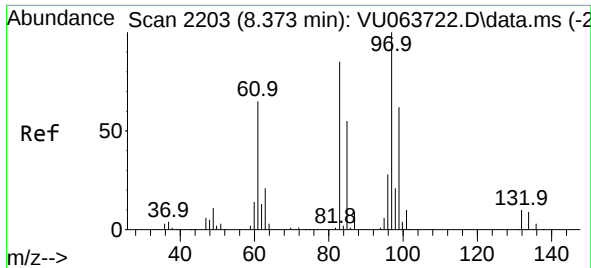
Tgt Ion: 75 Resp: 148604

Ion Ratio Lower Upper

75 100

77 32.4 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 50.128 ug/L

RT: 8.370 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

Tgt Ion: 97 Resp: 131177

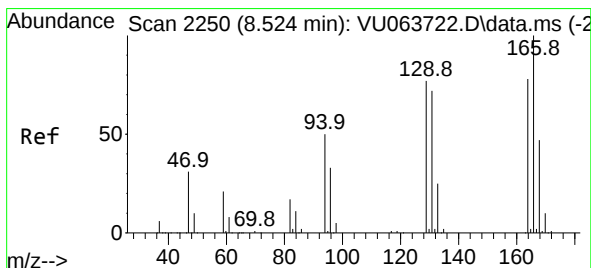
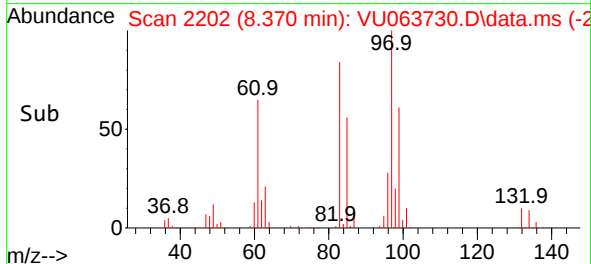
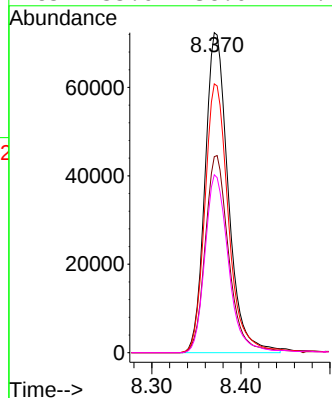
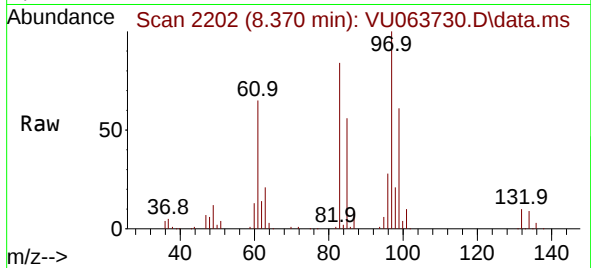
Ion Ratio Lower Upper

97 100

99 61.3 43.7 81.1

83 84.0 59.7 110.9

85 55.6 38.6 71.6



#46

Tetrachloroethene

Concen: 48.888 ug/L

RT: 8.528 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Tgt Ion:164 Resp: 102621

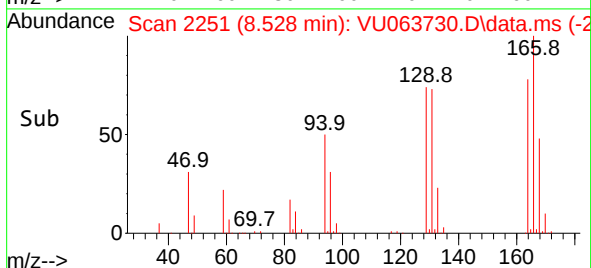
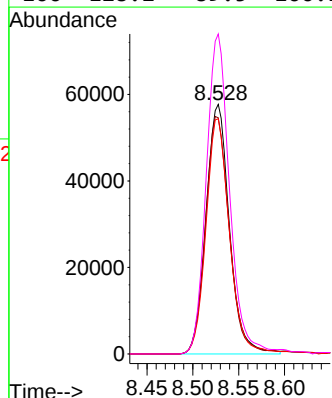
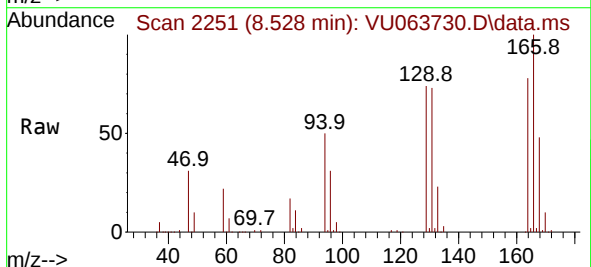
Ion Ratio Lower Upper

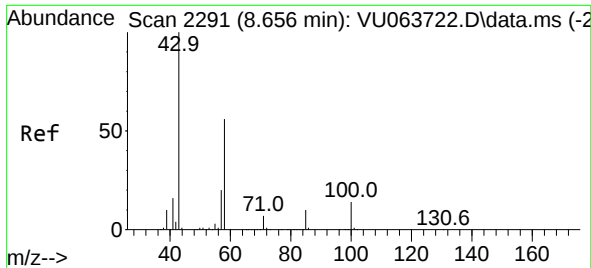
164 100

129 94.6 68.5 127.3

131 94.2 64.3 119.3

166 128.2 89.5 166.1

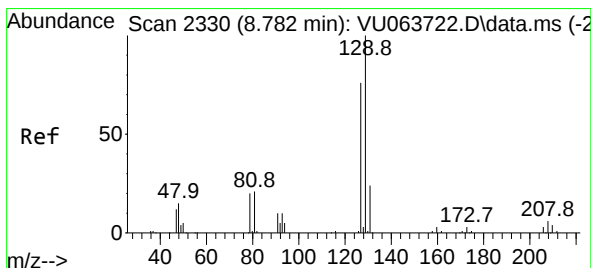
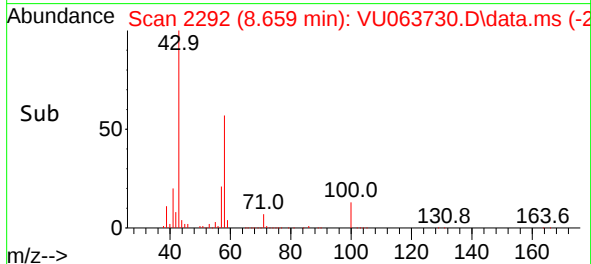
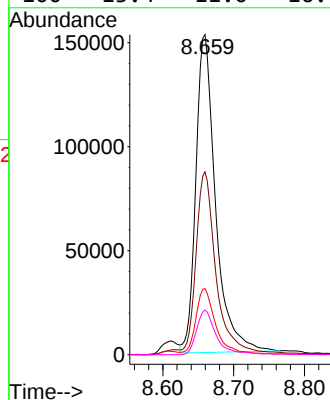
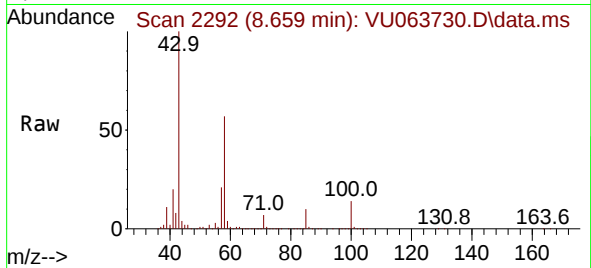




#48
2-Hexanone
Concen: 105.198 ug/L
RT: 8.659 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

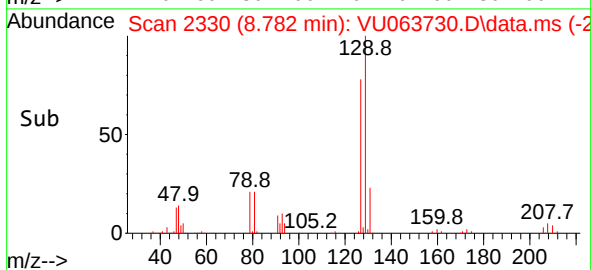
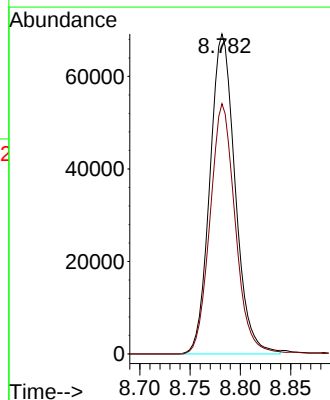
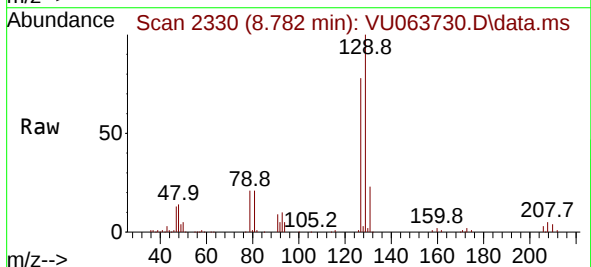
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

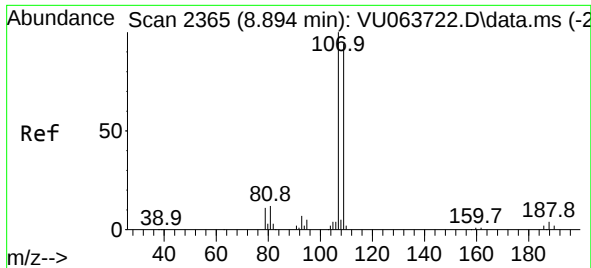
Tgt Ion: 43 Resp: 295732
Ion Ratio Lower Upper
43 100
58 57.6 44.8 67.2
57 20.1 16.6 24.8
100 13.4 11.0 16.4



#49
Dibromochloromethane
Concen: 47.903 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:129 Resp: 121060
Ion Ratio Lower Upper
129 100
127 78.2 53.4 99.2

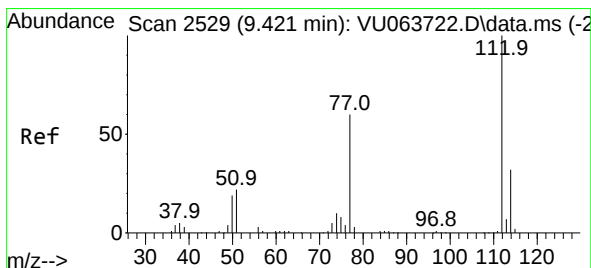
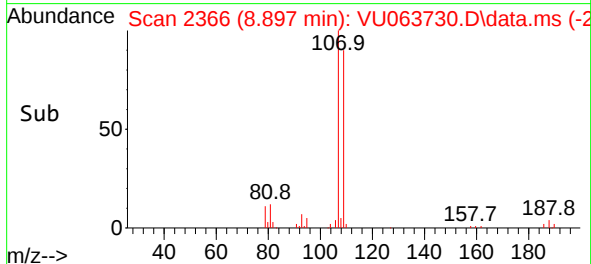
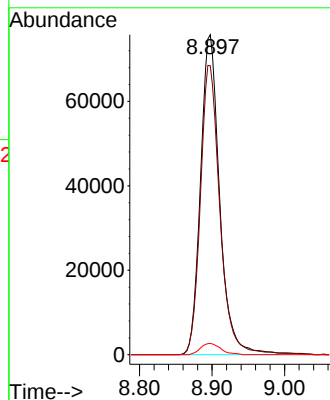
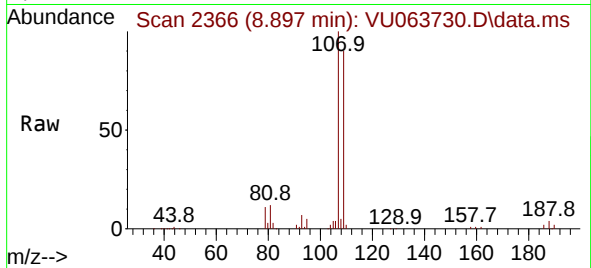




#50
 1,2-Dibromoethane
 Concen: 50.437 ug/L
 RT: 8.897 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

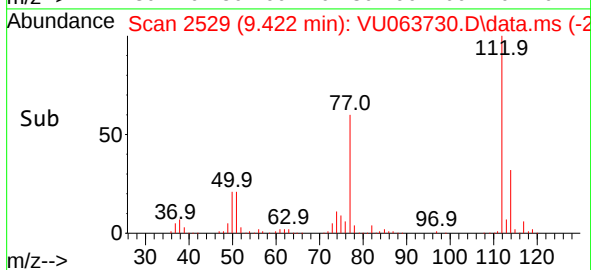
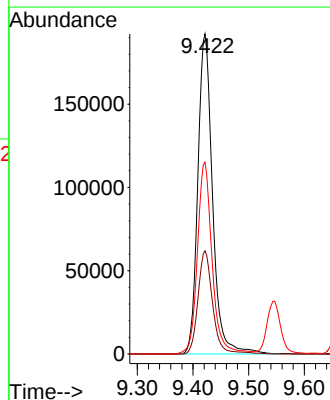
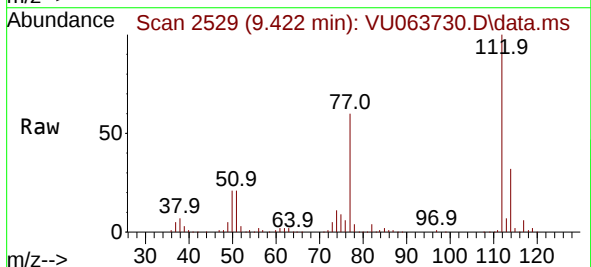
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

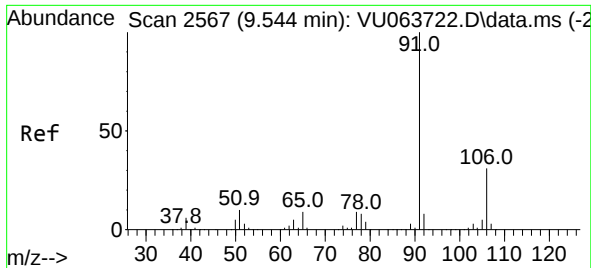
Tgt Ion:107 Resp: 138541
 Ion Ratio Lower Upper
 107 100
 109 90.3 65.8 122.2
 188 3.5 3.2 4.8



#51
 Chlorobenzene
 Concen: 49.856 ug/L
 RT: 9.422 min Scan# 2529
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion:112 Resp: 353665
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.1 41.1
 77 59.9 48.0 72.0

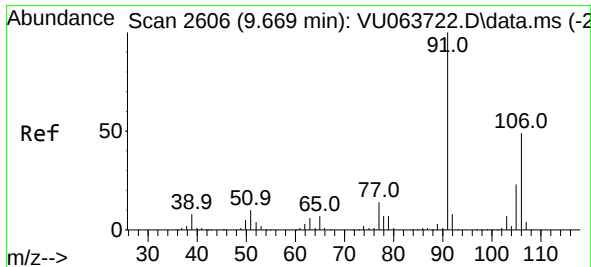
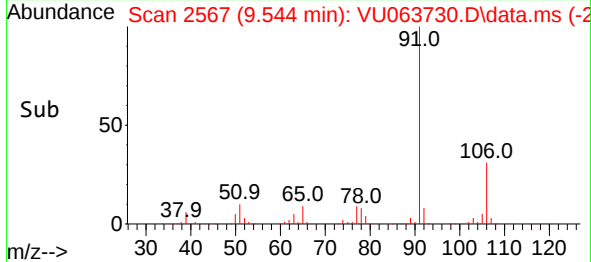
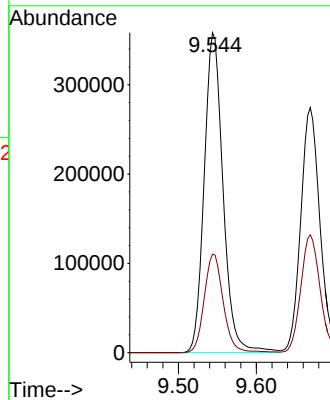
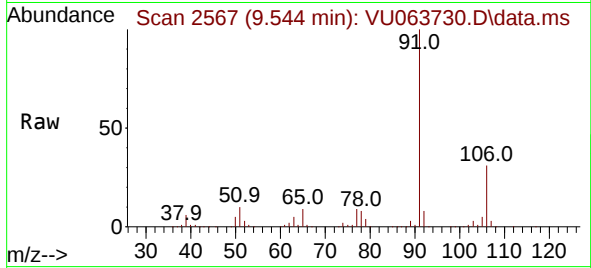




#52
Ethylbenzene
Concen: 49.391 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

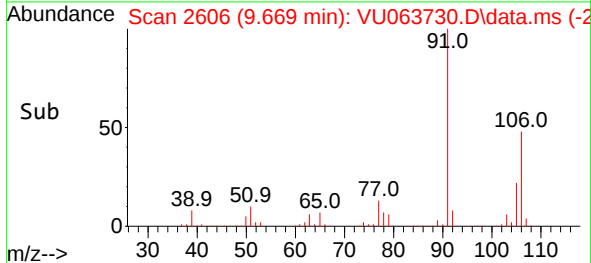
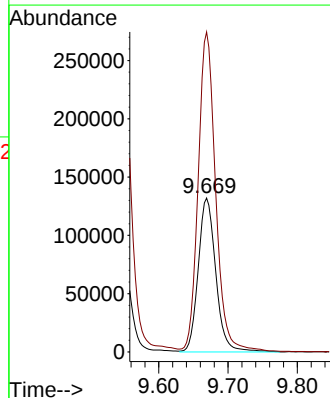
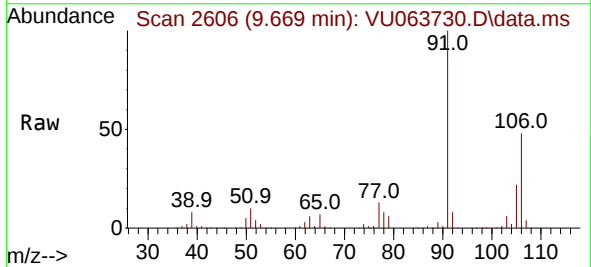
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

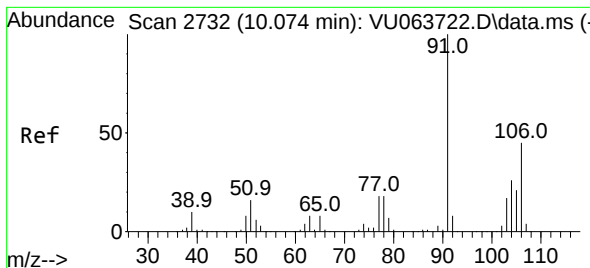
Tgt Ion: 91 Resp: 602848
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.6



#53
m,p-Xylene
Concen: 50.129 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:106 Resp: 233209
Ion Ratio Lower Upper
106 100
91 207.8 143.6 266.6





#54

o-Xylene

Concen: 49.618 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

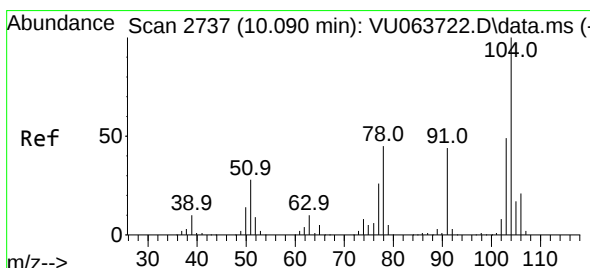
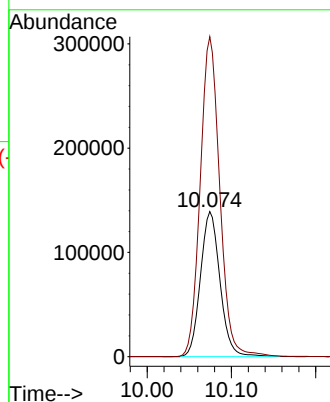
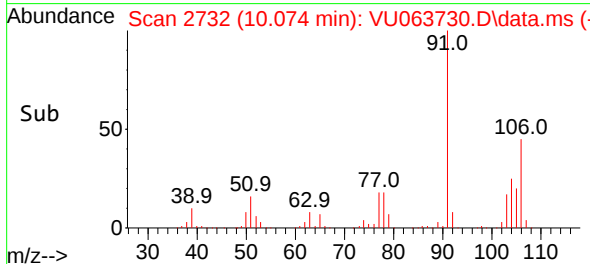
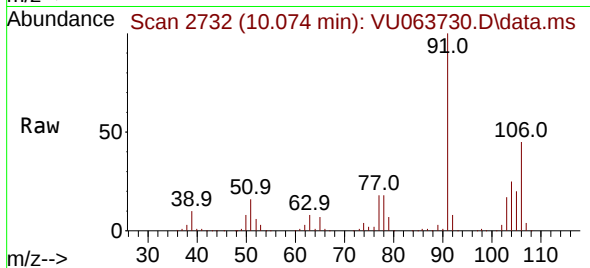
VSTD050112

Tgt Ion:106 Resp: 224793

Ion Ratio Lower Upper

106 100

91 220.4 156.0 289.6



#55

Styrene

Concen: 50.895 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063730.D

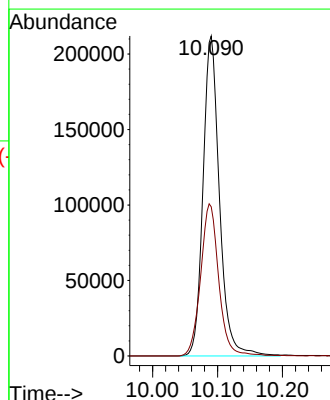
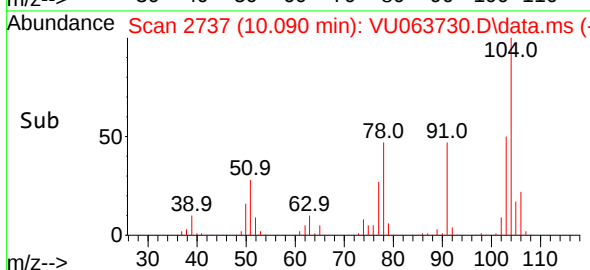
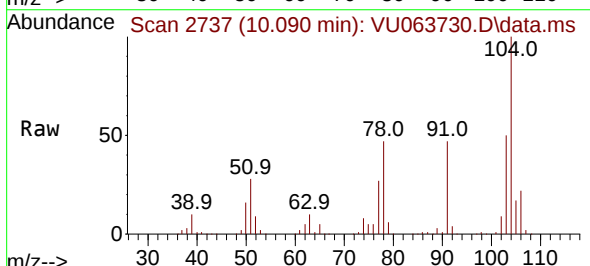
Acq: 17 Nov 2025 16:21

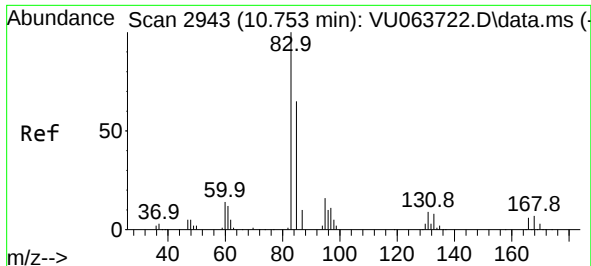
Tgt Ion:104 Resp: 373604

Ion Ratio Lower Upper

104 100

78 46.6 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 49.747 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.003 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

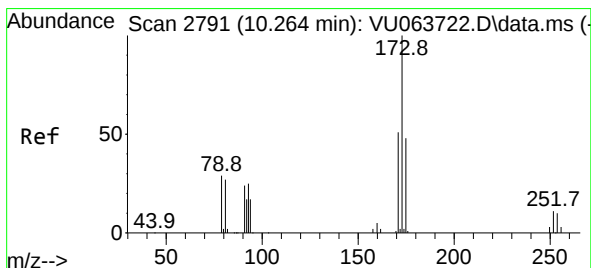
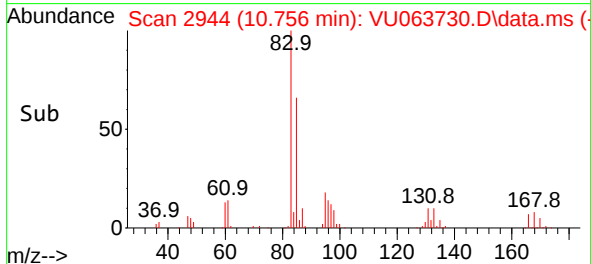
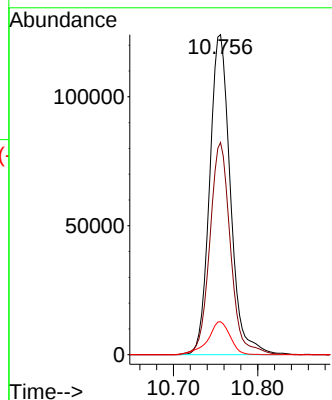
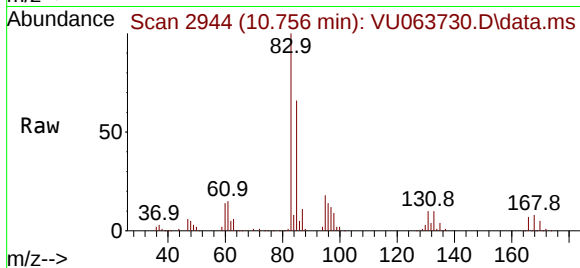
Tgt Ion: 83 Resp: 212029

Ion Ratio Lower Upper

83 100

85 66.3 45.7 84.9

131 10.3 7.4 11.2



#59

Bromoform

Concen: 45.943 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

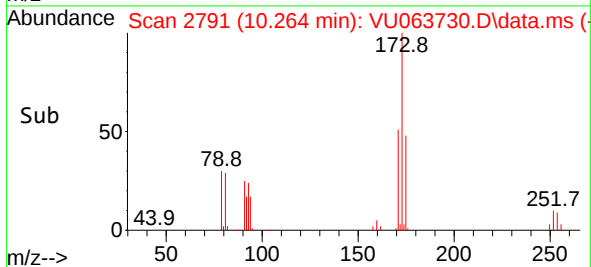
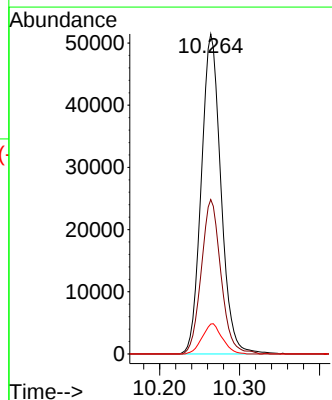
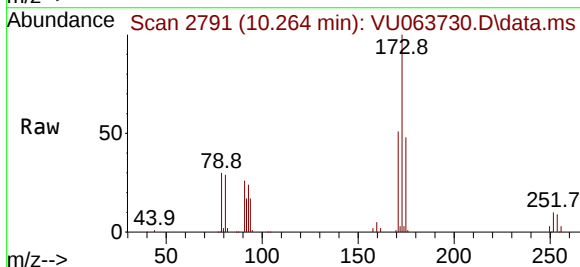
Tgt Ion:173 Resp: 87833

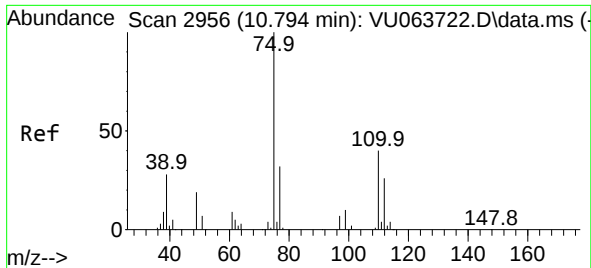
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.4

254 9.7 6.9 10.3

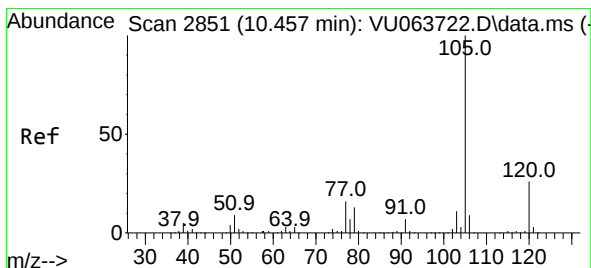
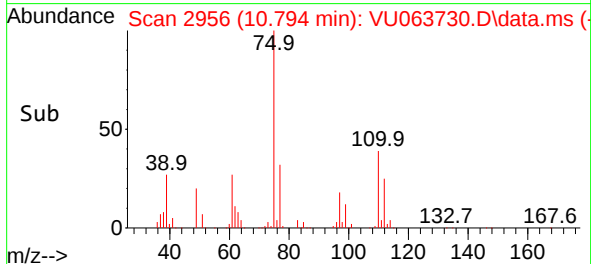
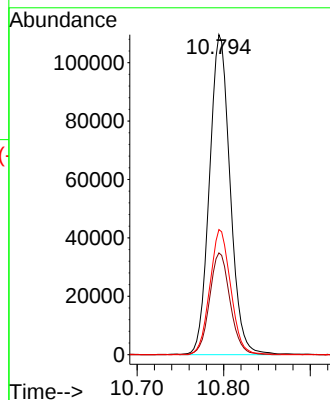
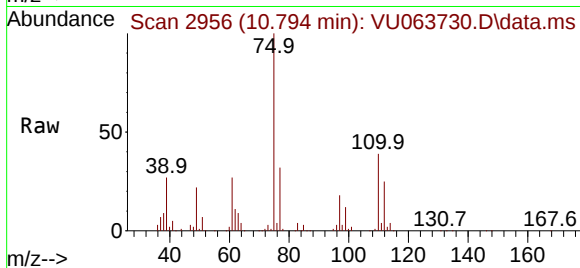




#60
1,2,3-Trichloropropane
Concen: 49.426 ug/L
RT: 10.794 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

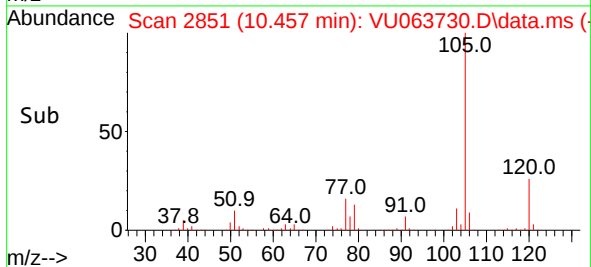
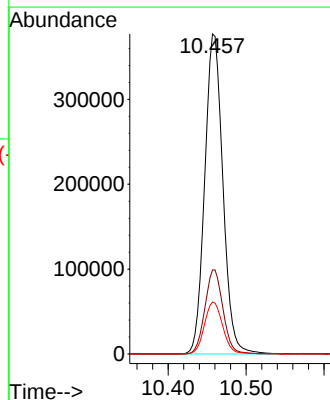
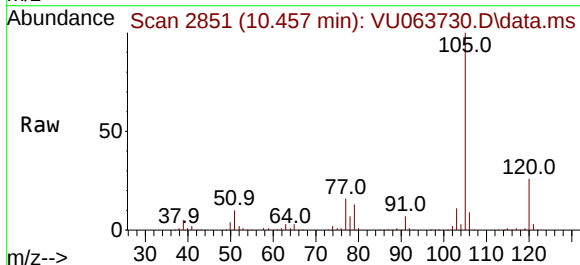
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

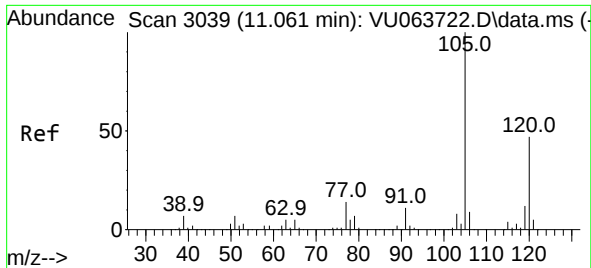
Tgt Ion: 75 Resp: 181604
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1
110 39.4 32.3 48.5



#61
Isopropylbenzene
Concen: 48.128 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion: 105 Resp: 611212
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 16.3 12.9 19.3

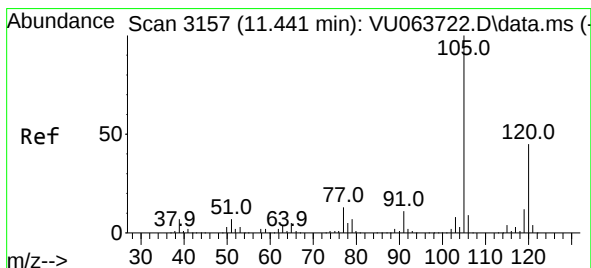
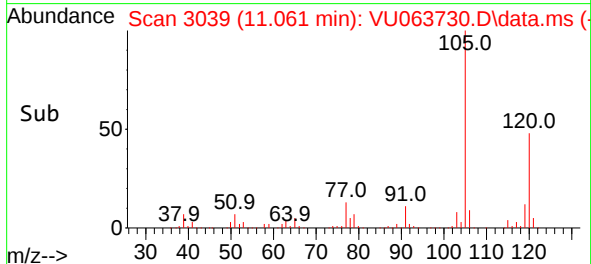
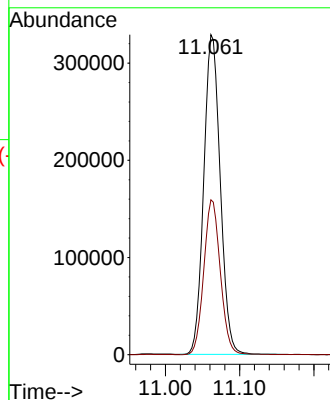
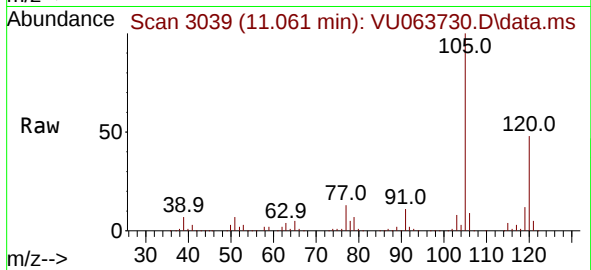




#62
1,3,5-Trimethylbenzene
Concen: 48.534 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

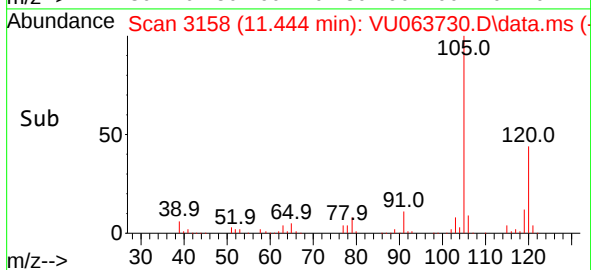
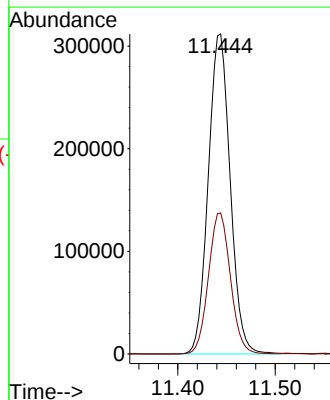
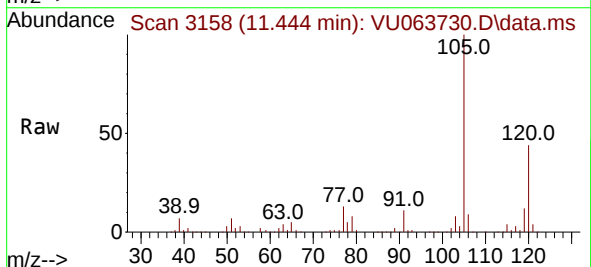
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

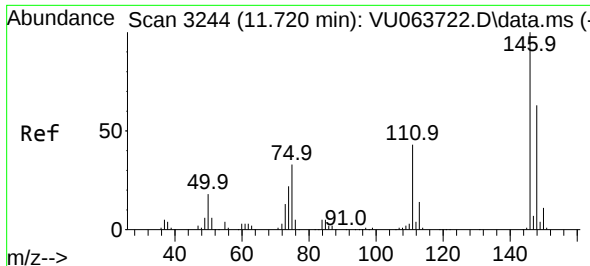
Tgt Ion:105 Resp: 507019
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 48.889 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:105 Resp: 487510
Ion Ratio Lower Upper
105 100
120 44.0 35.6 53.4

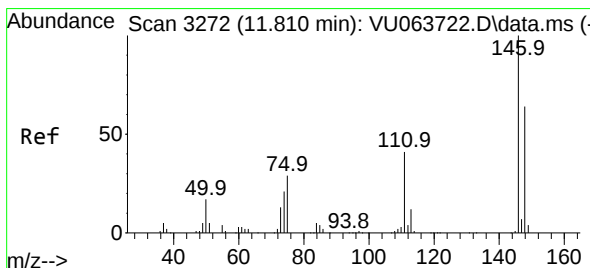
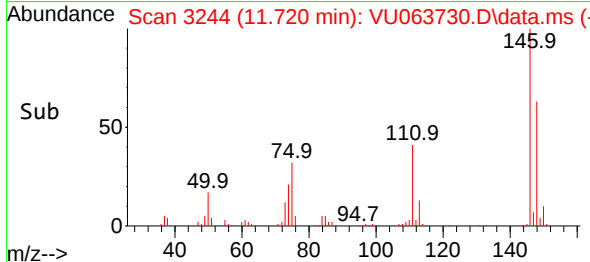
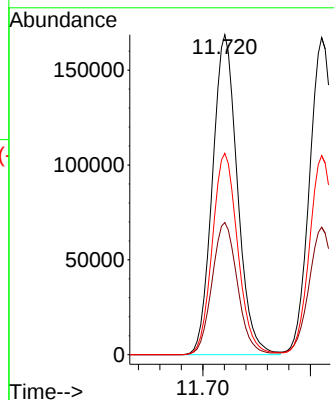
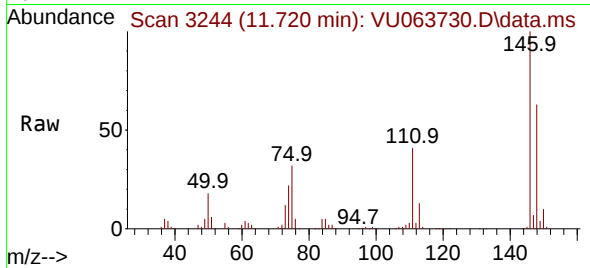




#64
 1,3-Dichlorobenzene
 Concen: 47.840 ug/L
 RT: 11.720 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

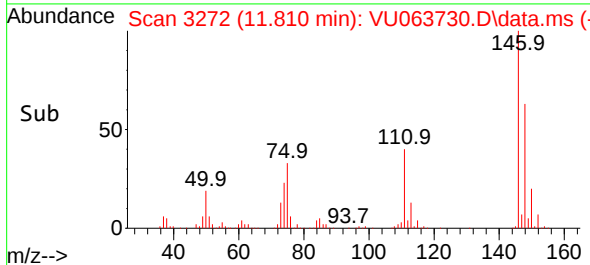
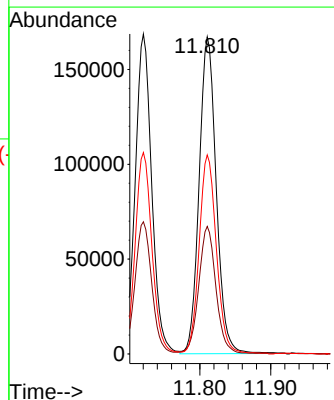
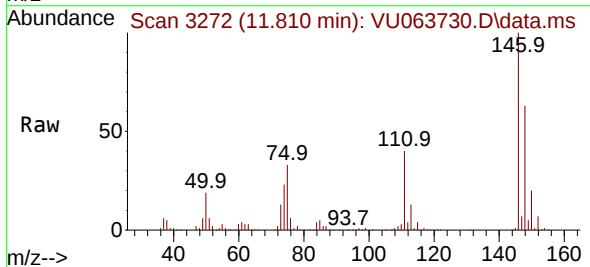
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

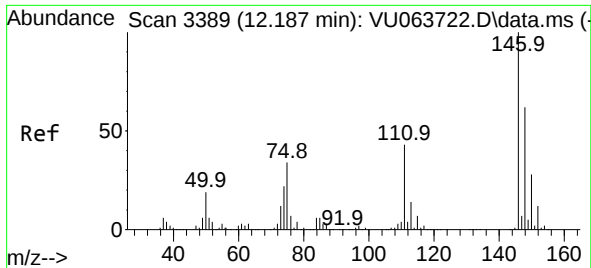
Tgt Ion:146 Resp: 272376
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.8 55.3
 148 62.9 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 48.042 ug/L
 RT: 11.810 min Scan# 3272
 Delta R.T. 0.000 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion:146 Resp: 280156
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.8 53.4
 148 62.8 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.737 ug/L

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

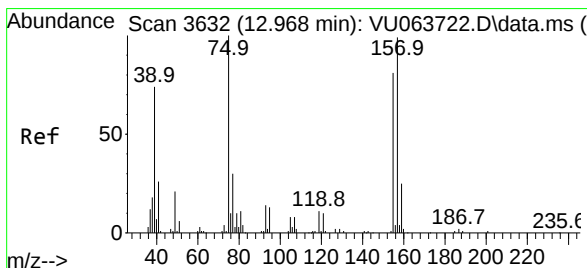
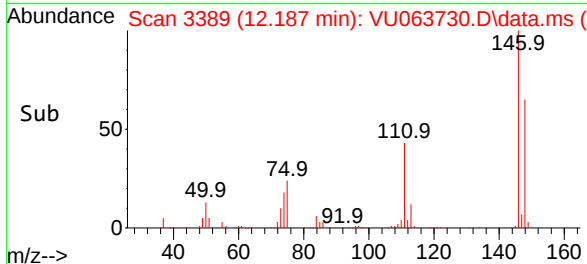
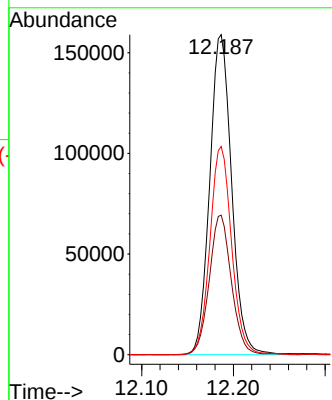
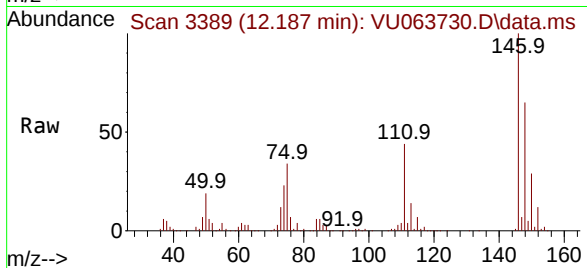
Tgt Ion:146 Resp: 263499

Ion Ratio Lower Upper

146 100

111 43.6 34.2 51.4

148 65.0 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 49.405 ug/L

RT: 12.968 min Scan# 3632

Delta R.T. 0.000 min

Lab File: VU063730.D

Acq: 17 Nov 2025 16:21

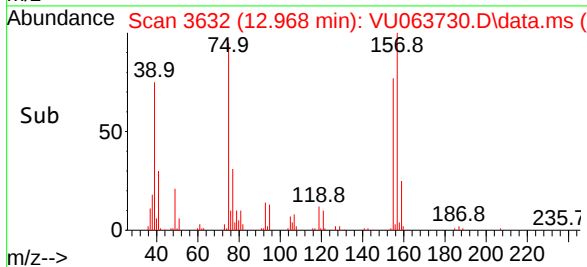
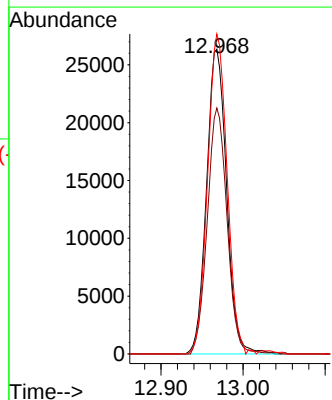
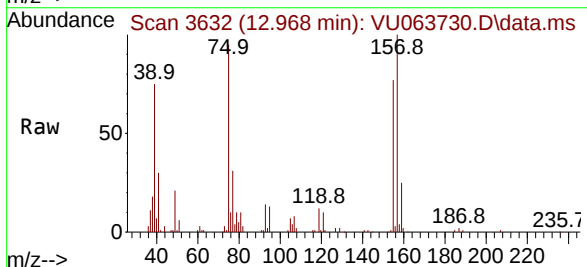
Tgt Ion: 75 Resp: 44824

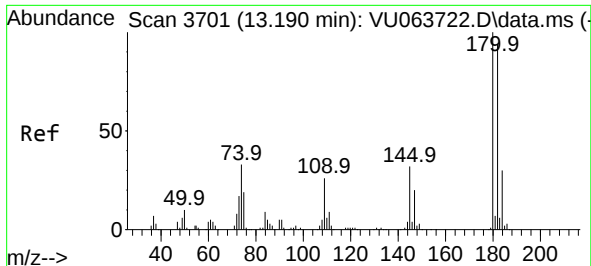
Ion Ratio Lower Upper

75 100

155 84.2 64.6 97.0

157 109.2 78.8 118.2



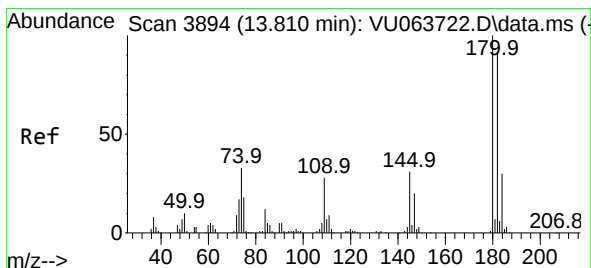
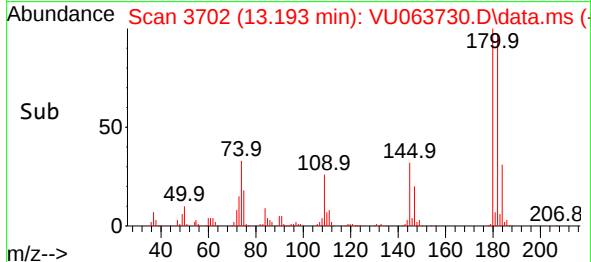
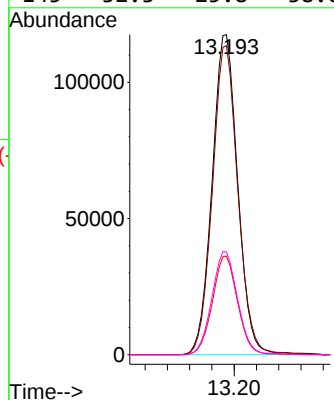
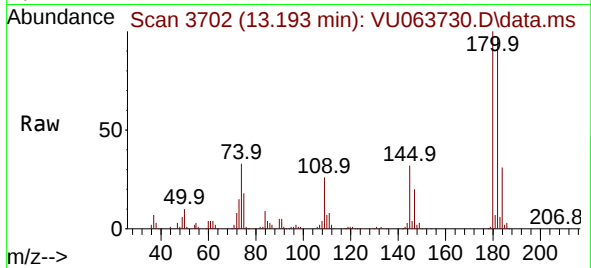


#69
 1,3,5-Trichlorobenzene
 Concen: 48.548 ug/L
 RT: 13.193 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Tgt Ion:180 Resp: 186815

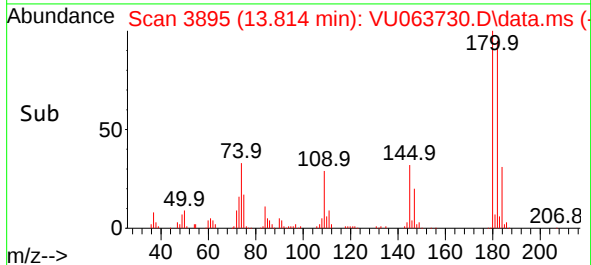
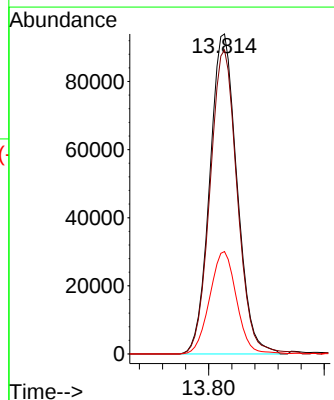
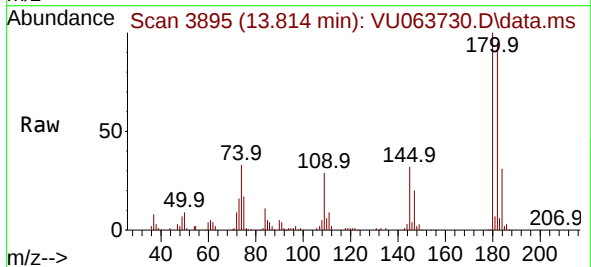
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
184	30.3	24.4	36.6
145	32.3	25.8	38.6

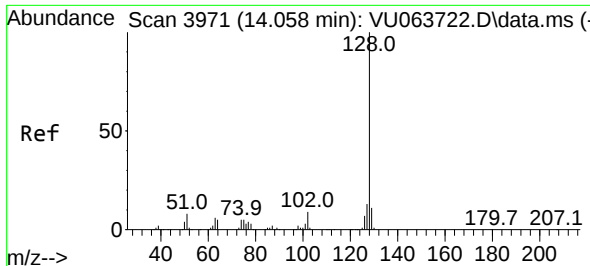


#70
 1,2,4-trichlorobenzene
 Concen: 47.981 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.003 min
 Lab File: VU063730.D
 Acq: 17 Nov 2025 16:21

Tgt Ion:180 Resp: 153956

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	31.6	25.7	38.5

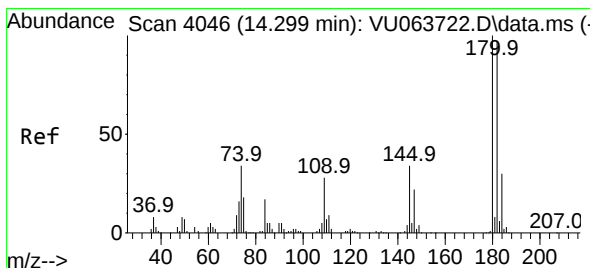
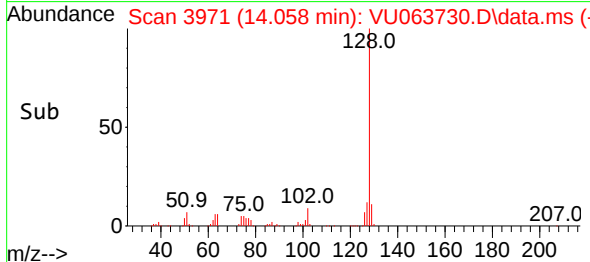
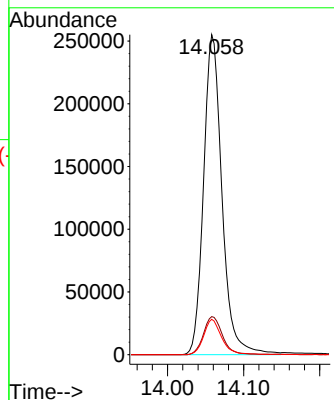
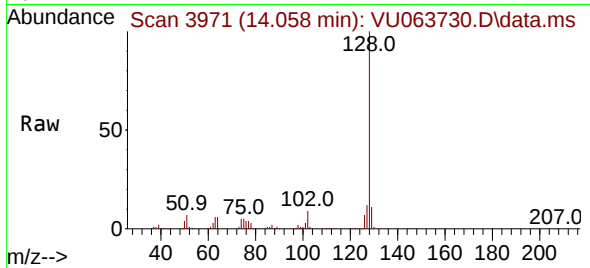




#71
Naphthalene
Concen: 50.342 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

Tgt Ion:128 Resp: 429880
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 47.792 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. 0.000 min
Lab File: VU063730.D
Acq: 17 Nov 2025 16:21

Tgt Ion:180 Resp: 145345
Ion Ratio Lower Upper
180 100
182 97.2 76.9 115.3
145 34.4 26.6 39.8

