

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063742.D
 Acq On : 19 Nov 2025 11:28
 Operator : MD/SY
 Sample : VSTD01030
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

Quant Time: Nov 20 02:50:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 02:48:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	174877	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	183258	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	123718	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	189300	17.123	ug/L	0.00
7) Chloroethane-d5	1.891	69	164333	15.996	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.541	65	86325	16.471	ug/L	0.00
20) 2-Butanone-d5	4.589	46	343679	125.587	ug/L	0.00
24) Chloroform-d	5.029	84	405524	16.004	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.669	65	203480	15.259	ug/L	0.00
32) Benzene-d6	5.695	84	788060	15.271	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	223283	13.795	ug/L	0.00
41) Toluene-d8	7.872	98	747984	15.872	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.155	79	73654	16.053	ug/L	0.00
46) 2-Hexanone-d5	8.605	63	278227	128.202	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	163812	12.977	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	260002	12.442	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	130865	9.433	ug/L	98
3) Chloromethane	1.509	50	95602	6.657	ug/L	97
5) Vinyl chloride	1.589	62	123814	7.839	ug/L	99
6) Bromomethane	1.837	94	78279	8.237	ug/L	93
8) Chloroethane	1.914	64	88578	8.792	ug/L	99
9) Trichlorofluoromethane	2.116	101	245929	10.986	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	151219	11.668	ug/L	99
12) 1,1-Dichloroethene	2.554	96	115057	9.941	ug/L	91
13) Acetone	2.602	43	256265	109.154	ug/L	98
14) Carbon disulfide	2.766	76	147082	5.429	ug/L	99
15) Methyl Acetate	2.927	43	51147	10.040	ug/L	97
16) Methylene chloride	3.017	84	165312	12.076	ug/L	98
17) Methyl tert-butyl Ether	3.335	73	381365	12.593	ug/L	99
18) trans-1,2-Dichloroethene	3.322	96	121323	10.183	ug/L	97
19) 1,1-Dichloroethane	3.833	63	287140	11.492	ug/L	100
21) 2-Butanone	4.666	43	370726	108.427	ug/L	97
22) cis-1,2-Dichloroethene	4.631	96	171194	12.123	ug/L	99
23) Bromochloromethane	4.939	128	71284	11.659	ug/L	95
25) Chloroform	5.052	83	333028	12.614	ug/L	96
27) 1,2-Dichloroethane	5.762	62	197942	11.599	ug/L	99
29) 1,1,1-Trichloroethane	5.283	97	265171	11.784	ug/L	99
30) Cyclohexane	5.354	56	193263	8.078	ug/L	99
31) Carbon tetrachloride	5.492	117	202450	11.614	ug/L	99
33) Benzene	5.743	78	601472	10.264	ug/L	100
34) Trichloroethene	6.515	95	174451	10.725	ug/L	99
35) Methylcyclohexane	6.734	83	208680	8.823	ug/L	96
37) 1,2-Dichloropropane	6.759	63	172304	10.773	ug/L	99
38) Bromodichloromethane	7.074	83	228345	12.636	ug/L	99
39) cis-1,3-Dichloropropene	7.579	75	228796	12.169	ug/L	96
40) 4-Methyl-2-pentanone	7.762	43	933308	102.987	ug/L	100
42) Toluene	7.942	91	679190	10.558	ug/L	98
44) trans-1,3-Dichloropropene	8.184	75	174403	12.422	ug/L	98

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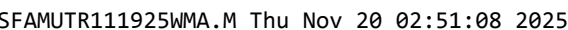
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

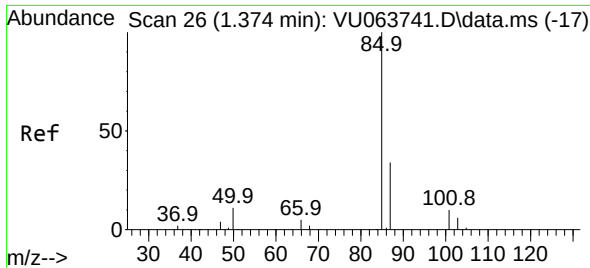
Quant Time: Nov 20 02:50:56 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	129689	11.378	ug/L	99
47) Tetrachloroethene	8.528	164	128694	10.357	ug/L	98
48) 2-Hexanone	8.656	43	673832	105.612	ug/L	97
49) Dibromochloromethane	8.782	129	137995	12.851	ug/L	99
50) 1,2-Dibromoethane	8.897	107	111565	11.170	ug/L	98
51) Chlorobenzene	9.422	112	486617	11.481	ug/L	100
52) Ethylbenzene	9.544	91	849549	11.758	ug/L	99
53) m,p-Xylene	9.669	106	319819	11.886	ug/L	99
54) o-Xylene	10.074	106	321210	12.262	ug/L	95
55) Styrene	10.090	104	540222	12.478	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	152516	11.246	ug/L	99
59) Bromoform	10.264	173	74494	10.682	ug/L	100
60) Isopropylbenzene	10.457	105	900451	9.903	ug/L	99
61) 1,2,3-Trichloropropane	10.794	75	110393	9.012	ug/L	99
62) 1,3,5-Trimethylbenzene	11.061	105	775145	10.445	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	756407	10.641	ug/L	99
64) 1,3-Dichlorobenzene	11.720	146	413679	10.149	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	411489	9.972	ug/L	99
67) 1,2-Dichlorobenzene	12.183	146	376556	9.918	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.968	75	20961	10.930	ug/L	99
69) 1,3,5-Trichlorobenzene	13.190	180	316836	10.341	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	249692	10.569	ug/L	99
71) Naphthalene	14.058	128	349101	10.076	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	205199	10.243	ug/L	100

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

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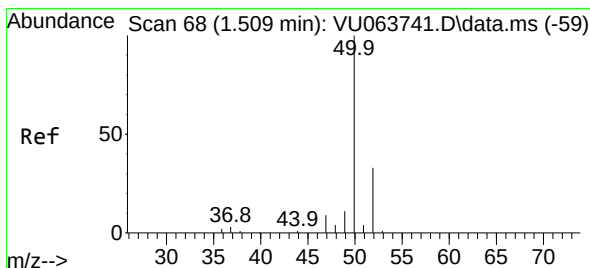
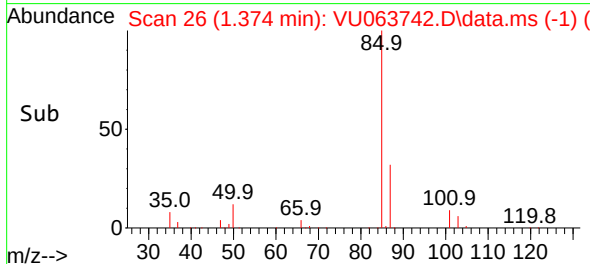
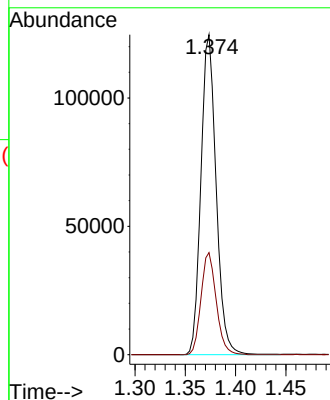
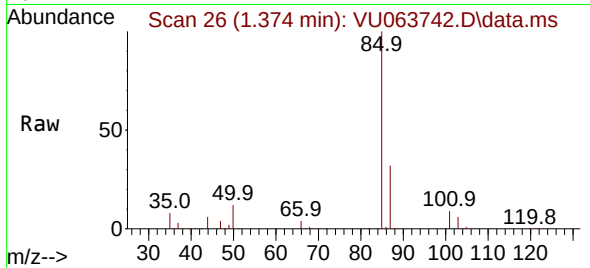




#2
 Dichlorodifluoromethane
 Concen: 9.433 ug/L
 RT: 1.374 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

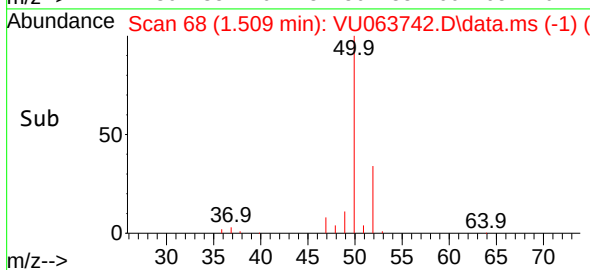
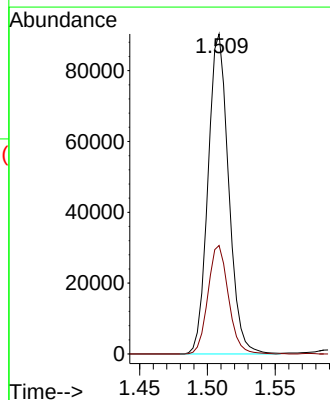
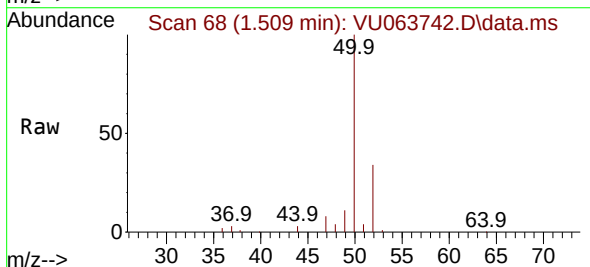
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

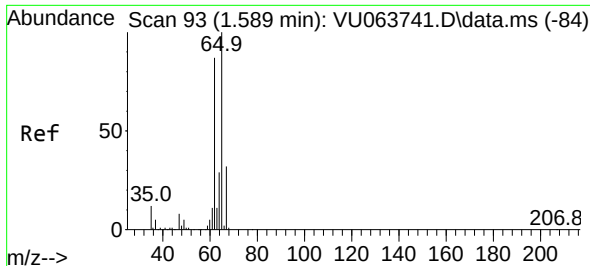
Tgt Ion: 85 Resp: 130865
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.4 39.6



#3
 Chloromethane
 Concen: 6.657 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

Tgt Ion: 50 Resp: 95602
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.7 42.3

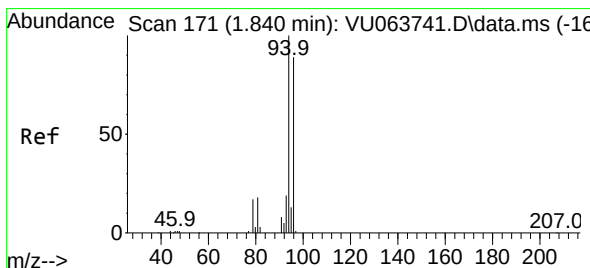
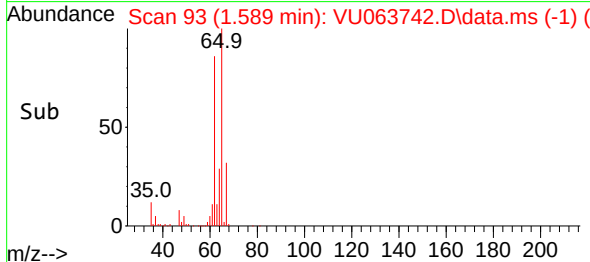
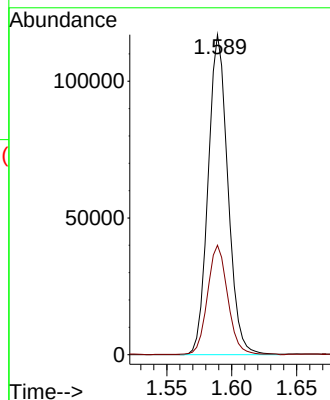
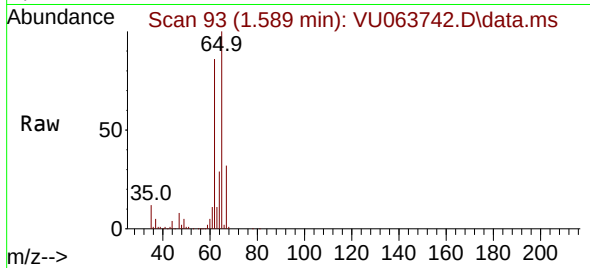




#5
 Vinyl chloride
 Concen: 7.839 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

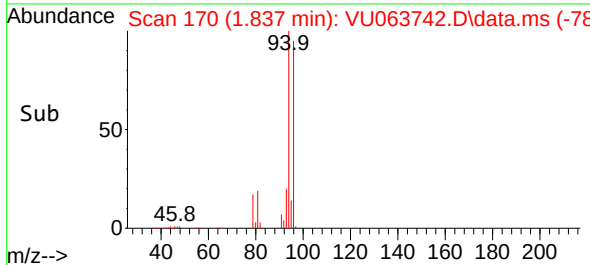
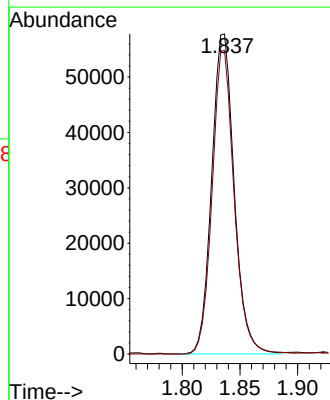
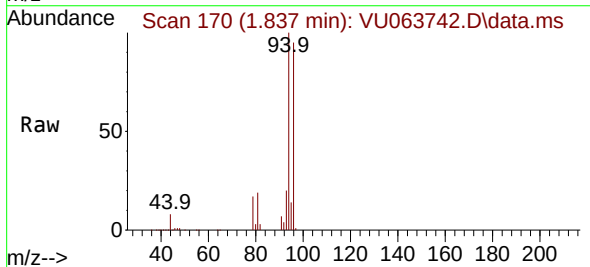
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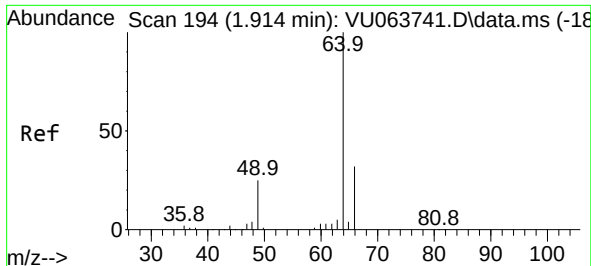
Tgt Ion: 62 Resp: 123814
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.5 43.7



#6
 Bromomethane
 Concen: 8.237 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. -0.003 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

Tgt Ion: 94 Resp: 78279
 Ion Ratio Lower Upper
 94 100
 96 94.8 62.1 115.3





#8

Chloroethane

Concen: 8.792 ug/L

RT: 1.914 min Scan# 194

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

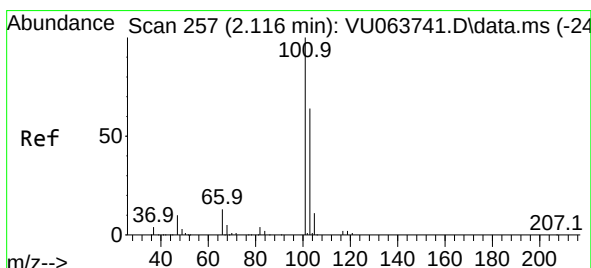
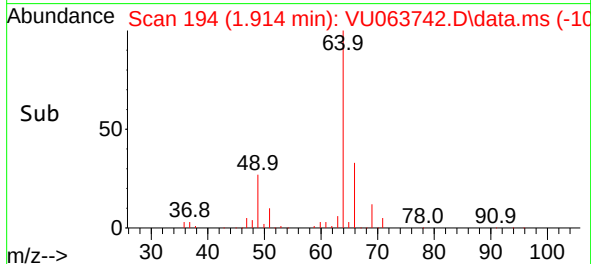
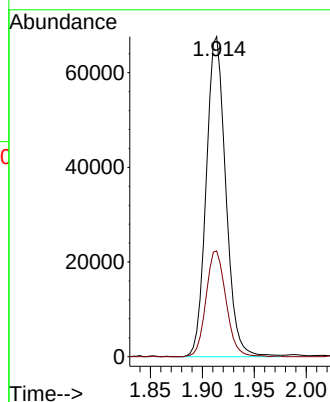
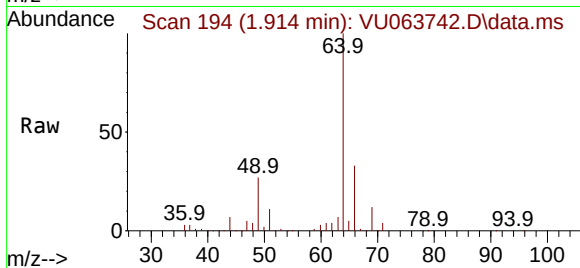
VSTD010030

Tgt Ion: 64 Resp: 88578

Ion Ratio Lower Upper

64 100

66 33.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 10.986 ug/L

RT: 2.116 min Scan# 257

Delta R.T. 0.000 min

Lab File: VU063742.D

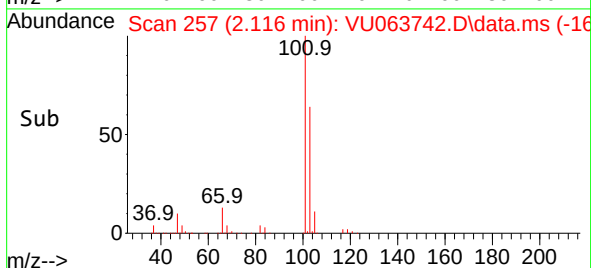
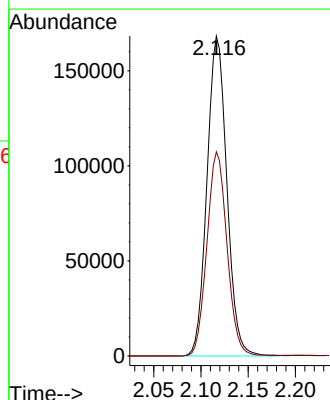
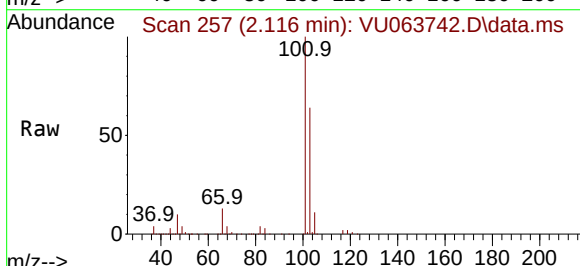
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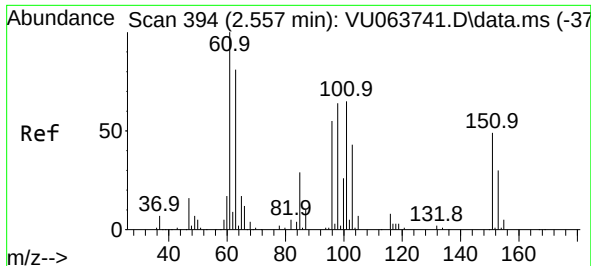
Tgt Ion: 101 Resp: 245929

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.4

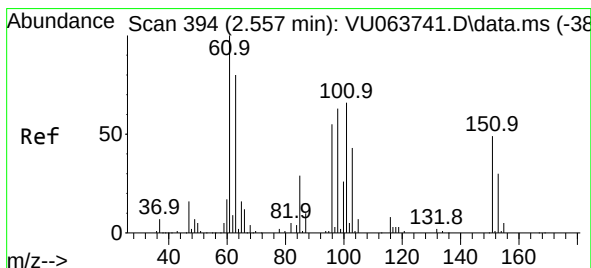
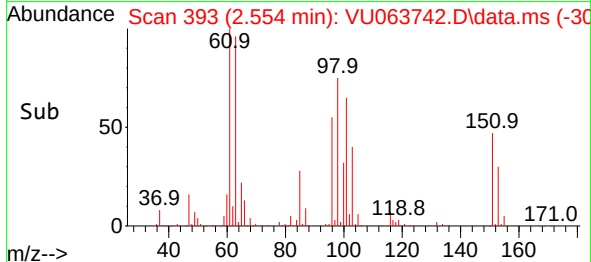
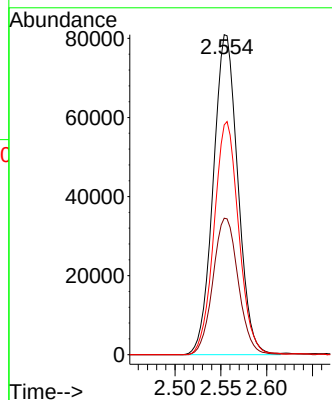
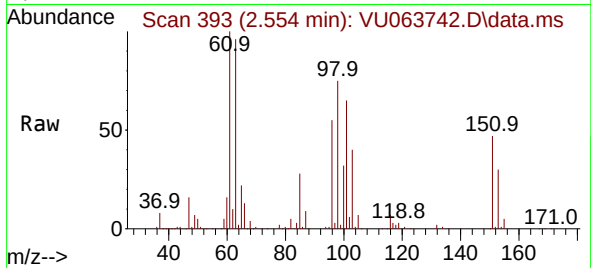




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.668 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

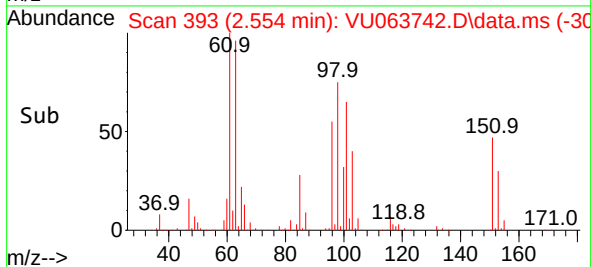
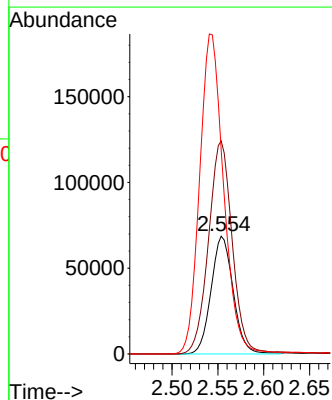
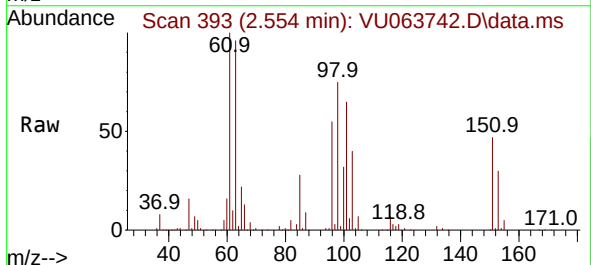
Instrument :
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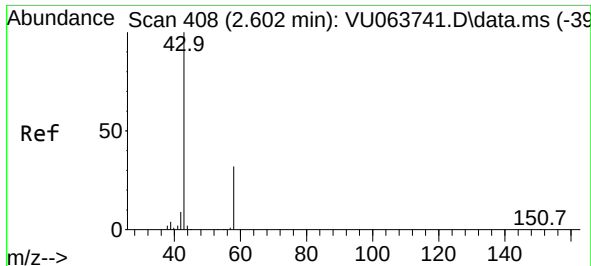
Tgt Ion:101 Resp: 151219
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.7 53.5
 151 73.0 58.1 87.1



#12
 1,1-Dichloroethene
 Concen: 9.941 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

Tgt Ion: 96 Resp: 115057
 Ion Ratio Lower Upper
 96 100
 61 180.8 126.6 235.2
 63 173.5 104.2 193.4





#13

Acetone

Concen: 109.154 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

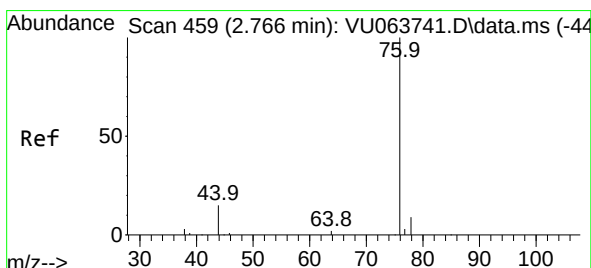
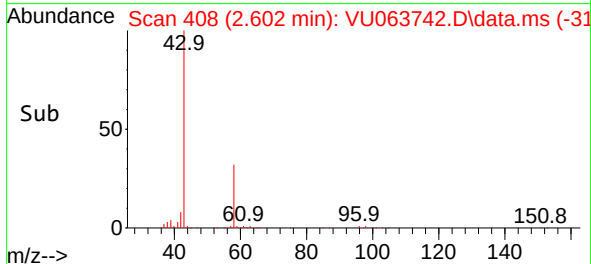
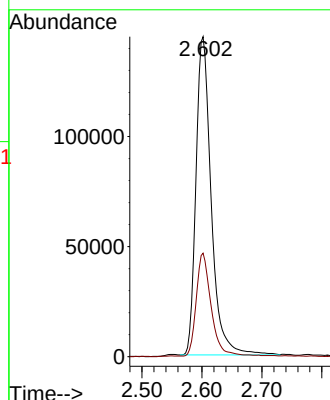
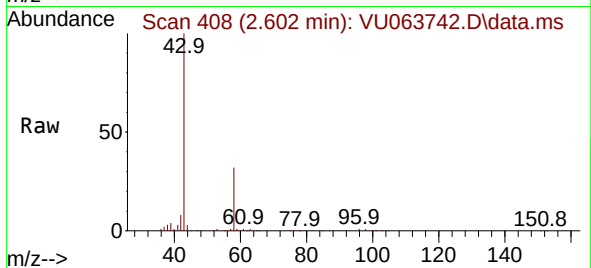
VSTD010030

Tgt Ion: 43 Resp: 256265

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.8



#14

Carbon disulfide

Concen: 5.429 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063742.D

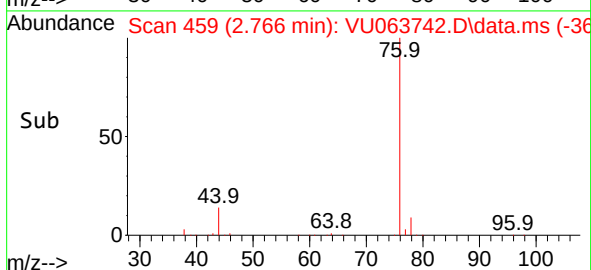
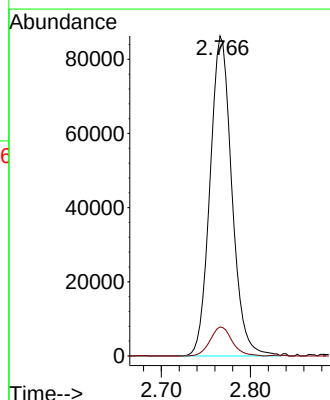
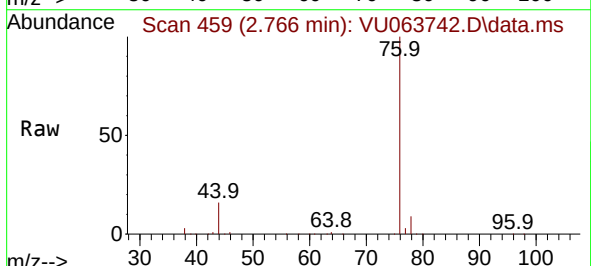
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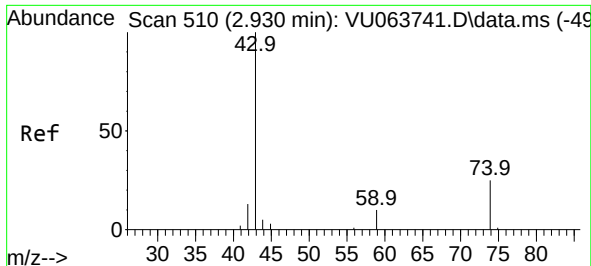
Tgt Ion: 76 Resp: 147082

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

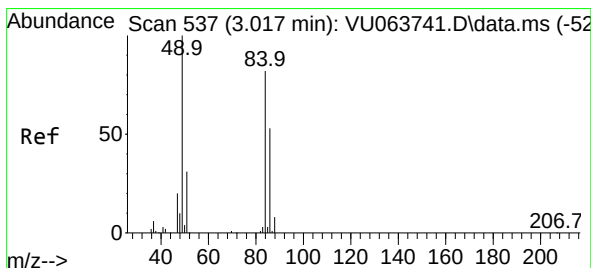
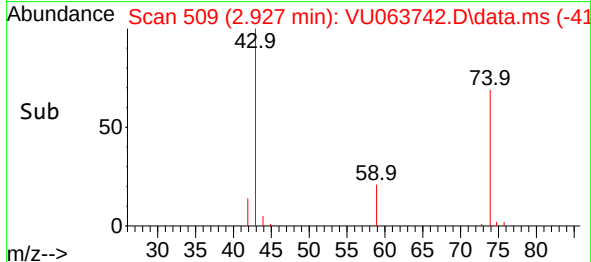
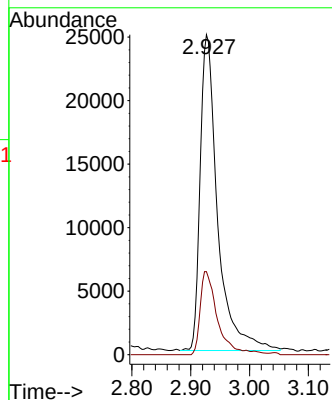
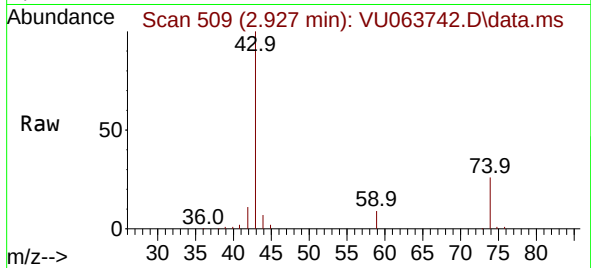




#15
Methyl Acetate
Concen: 10.040 ug/L
RT: 2.927 min Scan# 510
Delta R.T. -0.003 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

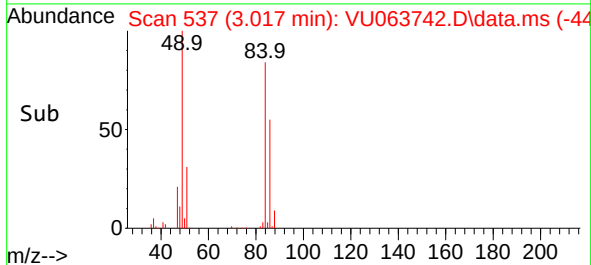
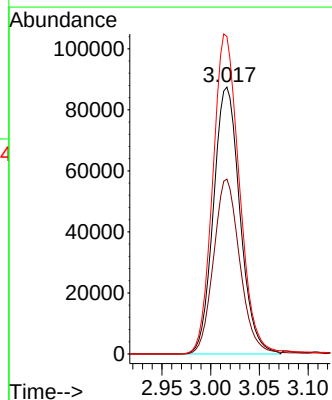
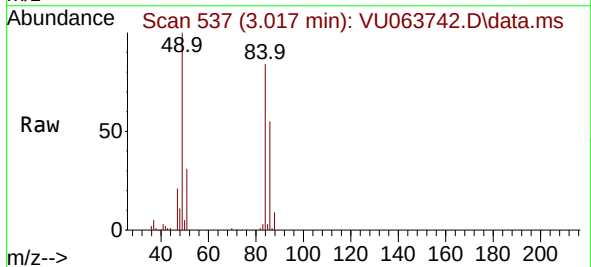
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

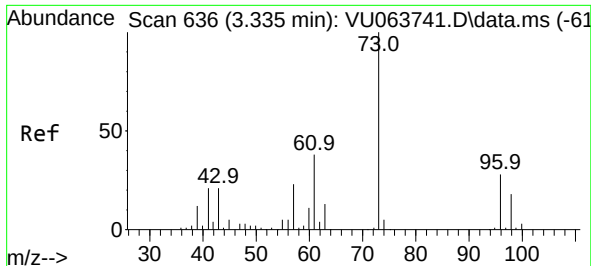
Tgt Ion: 43 Resp: 51147
Ion Ratio Lower Upper
43 100
74 25.6 21.7 32.5



#16
Methylene chloride
Concen: 12.076 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion: 84 Resp: 165312
Ion Ratio Lower Upper
84 100
86 65.6 45.1 83.9
49 118.9 85.2 158.2





#17

Methyl tert-butyl Ether

Concen: 12.593 ug/L

RT: 3.335 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

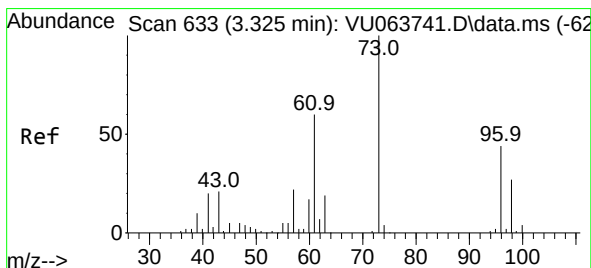
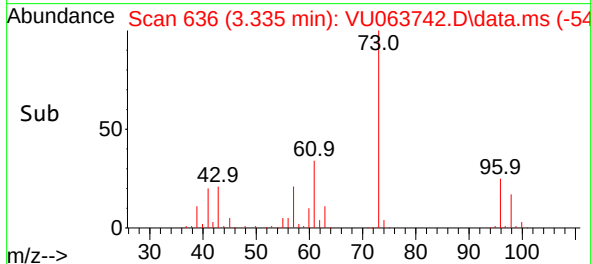
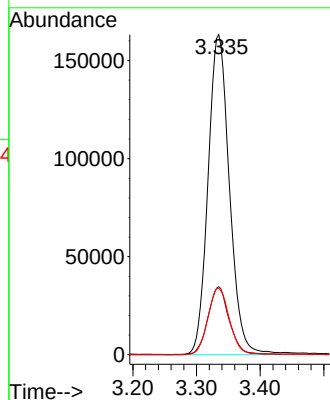
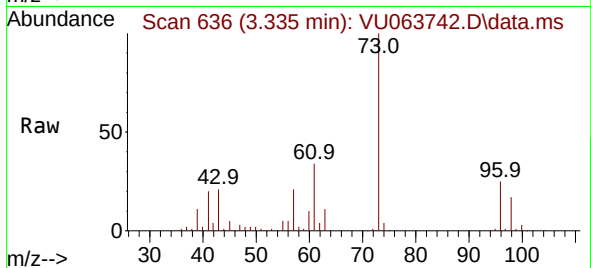
Tgt Ion: 73 Resp: 381365

Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.4

57 20.8 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 10.183 ug/L

RT: 3.322 min Scan# 632

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

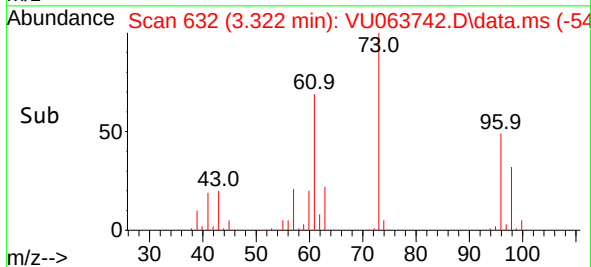
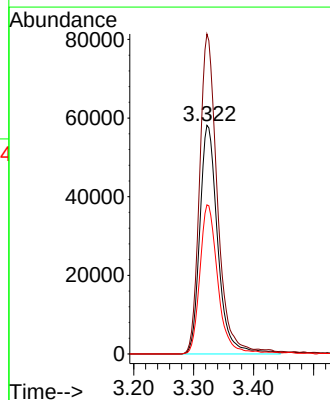
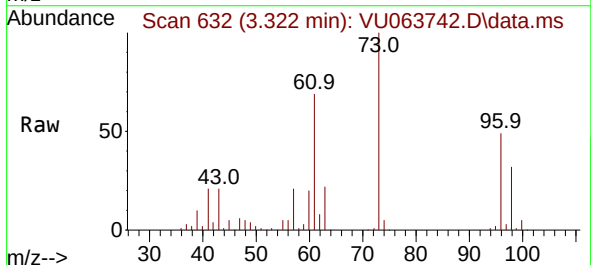
Tgt Ion: 96 Resp: 121323

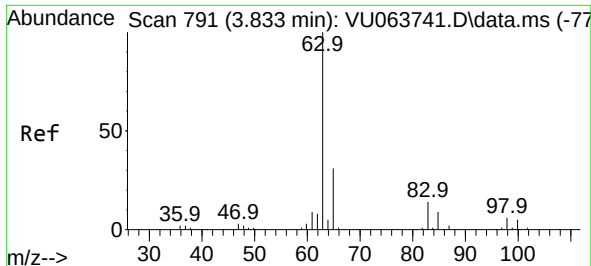
Ion Ratio Lower Upper

96 100

61 140.0 95.8 178.0

98 65.2 43.2 80.2





#19

1,1-Dichloroethane

Concen: 11.492 ug/L

RT: 3.833 min Scan# 791

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

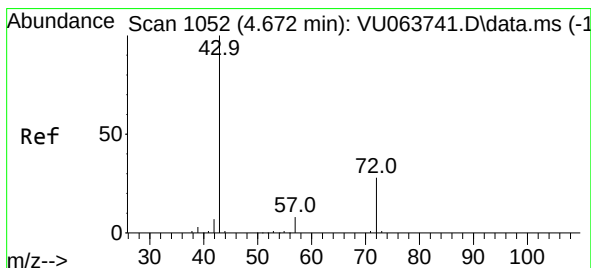
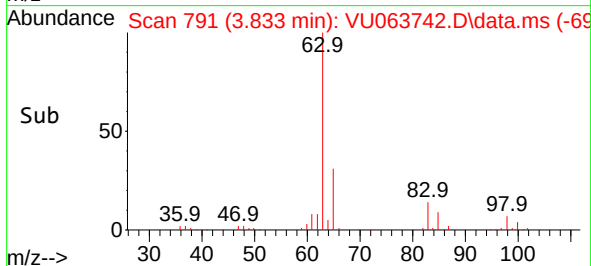
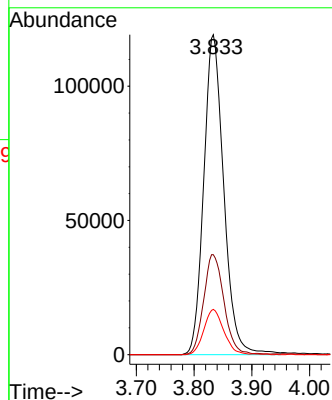
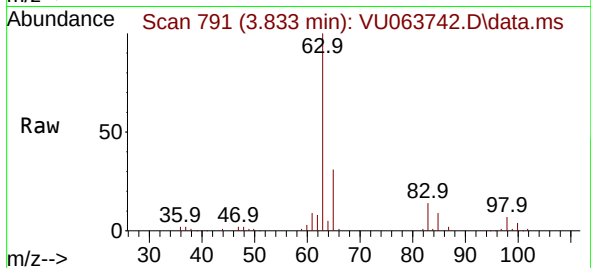
Tgt Ion: 63 Resp: 287140

Ion Ratio Lower Upper

63 100

65 31.2 22.0 40.8

83 14.1 9.9 18.3



#21

2-Butanone

Concen: 108.427 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VU063742.D

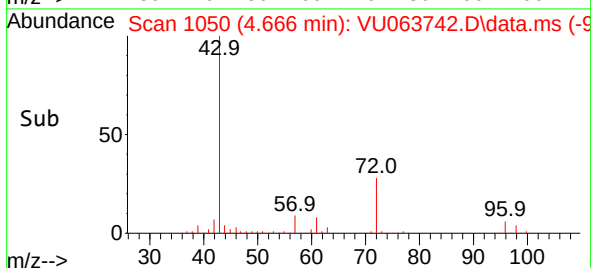
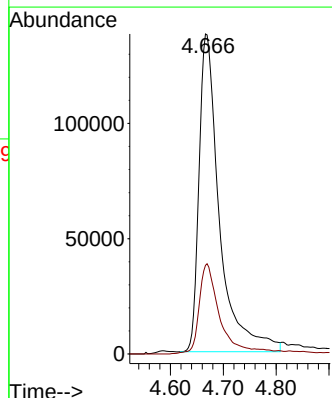
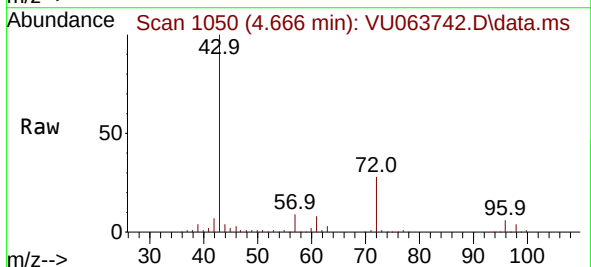
Acq: 19 Nov 2025 11:28

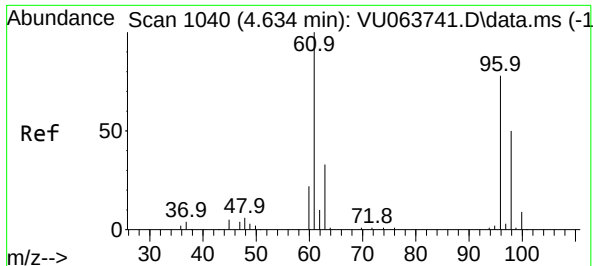
Tgt Ion: 43 Resp: 370726

Ion Ratio Lower Upper

43 100

72 28.7 13.6 40.8

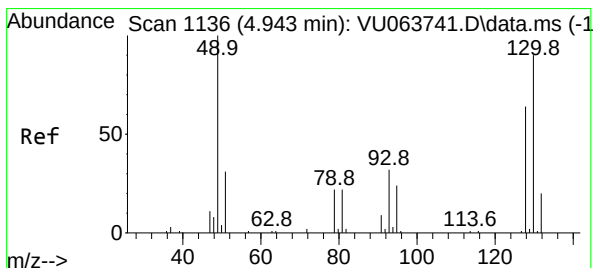
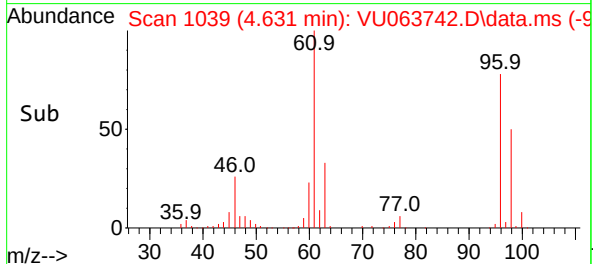
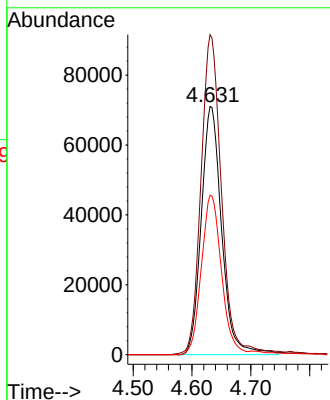
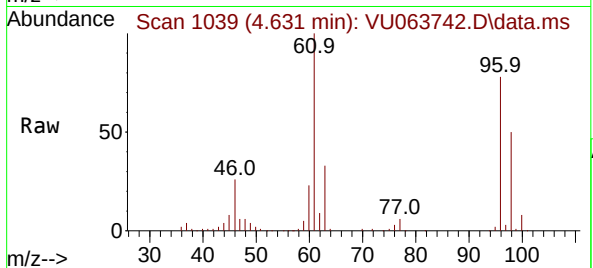




#22
 cis-1,2-Dichloroethene
 Concen: 12.123 ug/L
 RT: 4.631 min Scan# 1039
 Delta R.T. -0.003 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

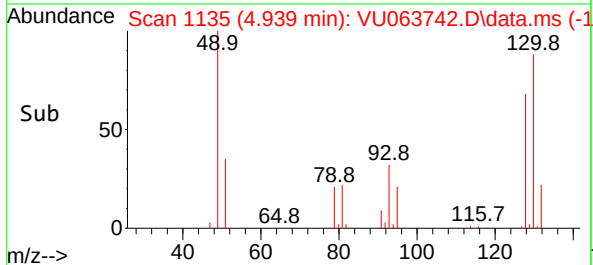
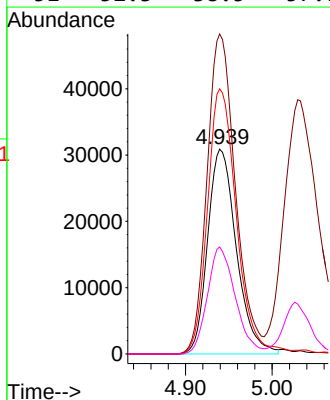
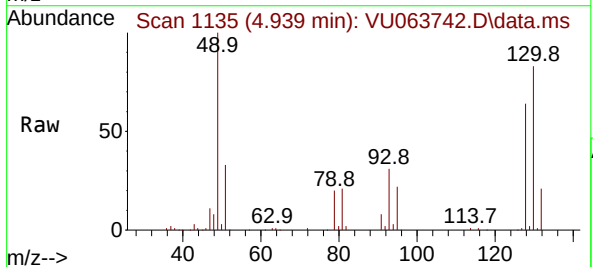
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

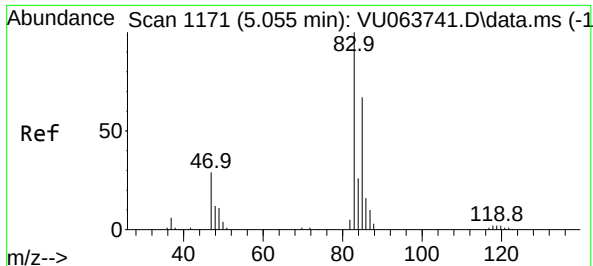
Tgt Ion: 96 Resp: 171194
 Ion Ratio Lower Upper
 96 100
 61 129.0 89.5 166.1
 98 64.3 44.6 82.8



#23
 Bromochloromethane
 Concen: 11.659 ug/L
 RT: 4.939 min Scan# 1135
 Delta R.T. -0.003 min
 Lab File: VU063742.D
 Acq: 19 Nov 2025 11:28

Tgt Ion:128 Resp: 71284
 Ion Ratio Lower Upper
 128 100
 49 156.3 110.0 204.4
 130 129.5 98.9 183.7
 51 52.3 38.5 57.7





#25

Chloroform

Concen: 12.614 ug/L

RT: 5.052 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

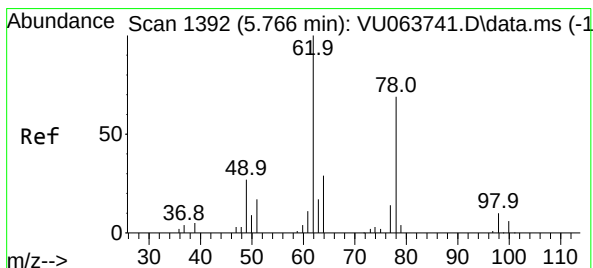
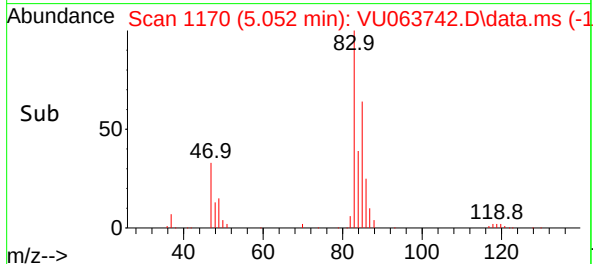
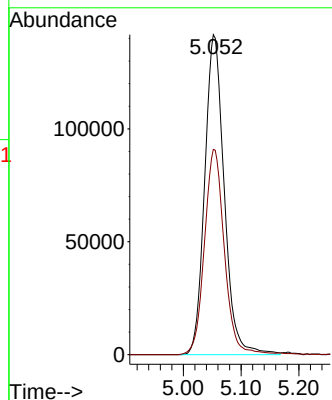
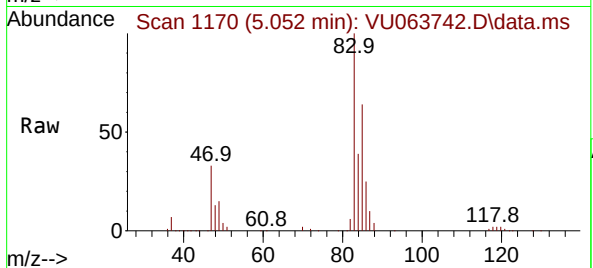
VSTD010030

Tgt Ion: 83 Resp: 333028

Ion Ratio Lower Upper

83 100

85 64.2 47.3 87.9



#27

1,2-Dichloroethane

Concen: 11.599 ug/L

RT: 5.762 min Scan# 1391

Delta R.T. -0.003 min

Lab File: VU063742.D

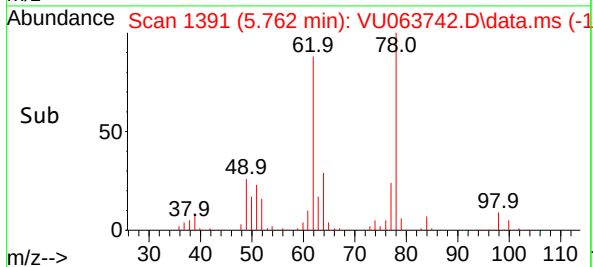
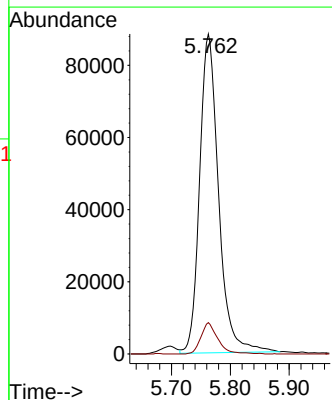
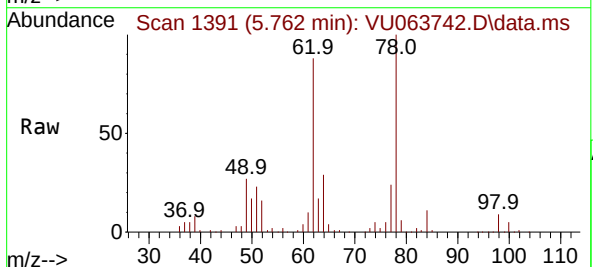
Acq: 19 Nov 2025 11:28

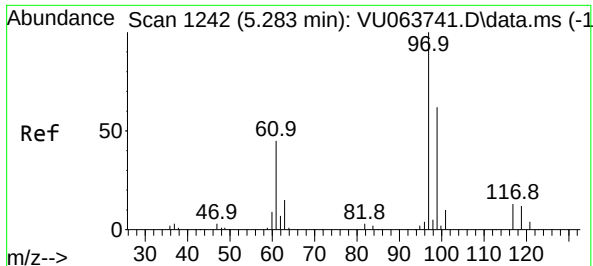
Tgt Ion: 62 Resp: 197942

Ion Ratio Lower Upper

62 100

98 9.8 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 11.784 ug/L

RT: 5.283 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

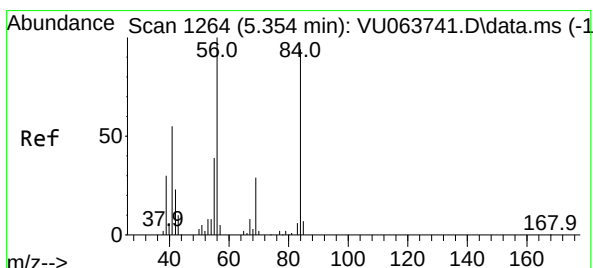
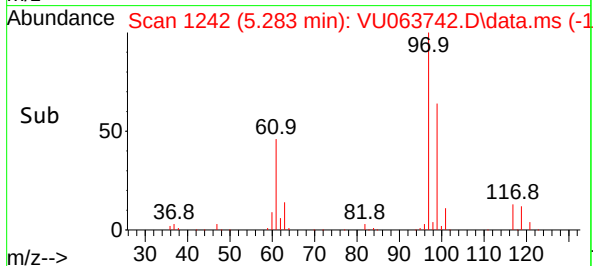
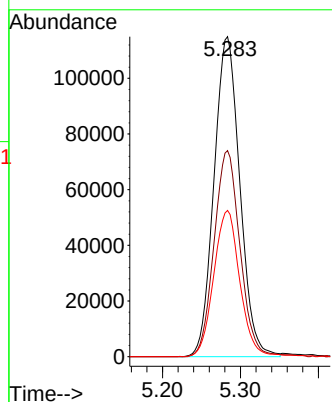
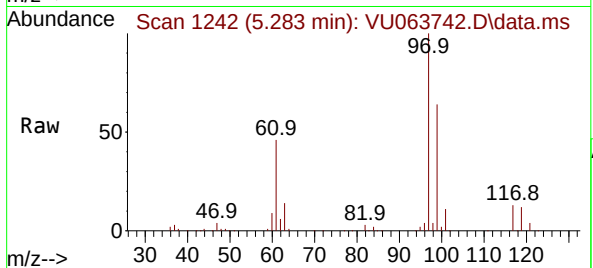
Tgt Ion: 97 Resp: 265171

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 46.3 37.4 56.2



#30

Cyclohexane

Concen: 8.078 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

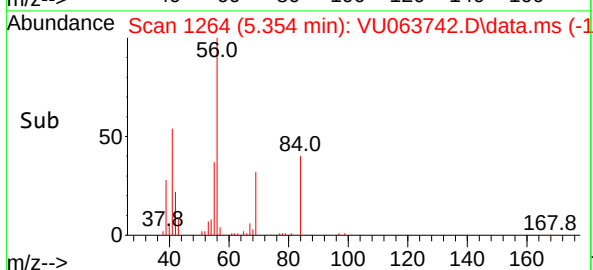
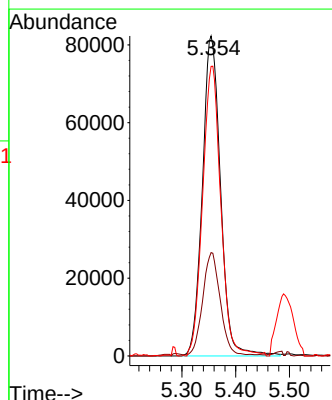
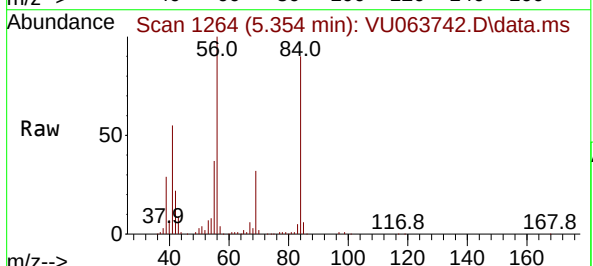
Tgt Ion: 56 Resp: 193263

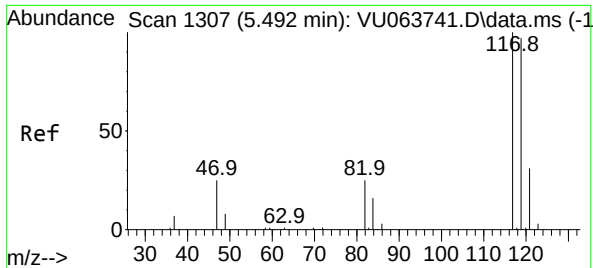
Ion Ratio Lower Upper

56 100

69 30.4 24.3 36.5

84 90.8 72.0 108.0

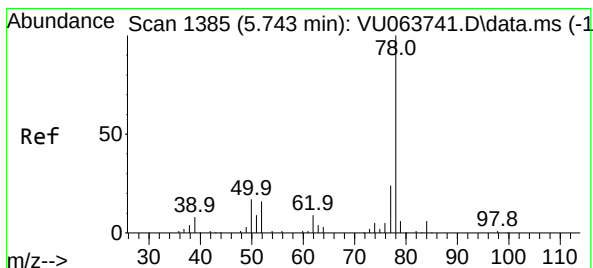
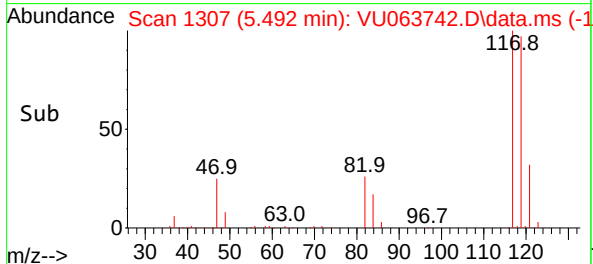
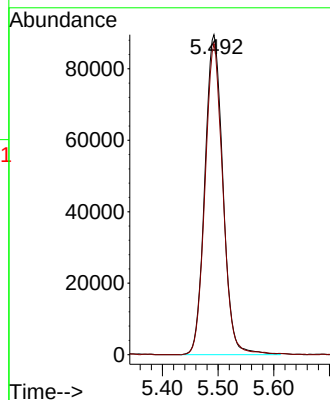
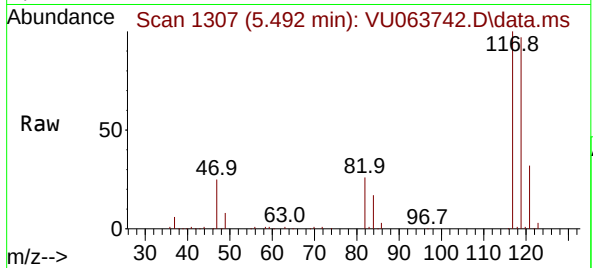




#31
Carbon tetrachloride
Concen: 11.614 ug/L
RT: 5.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

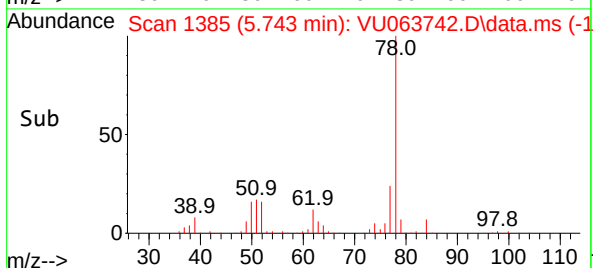
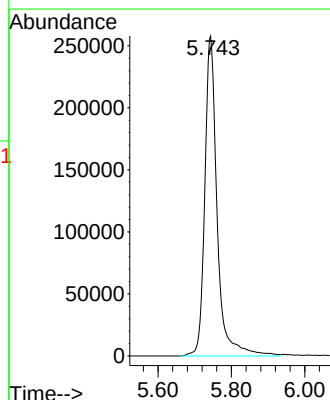
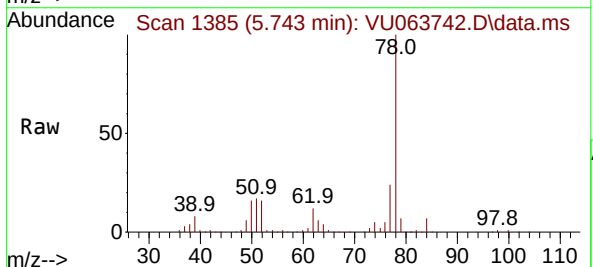
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

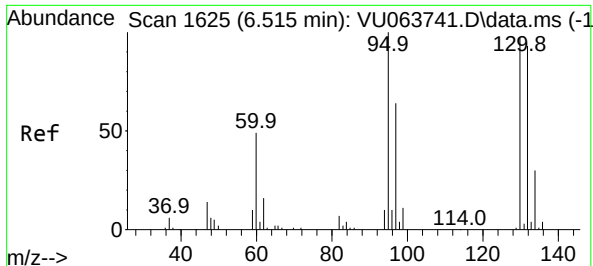
Tgt Ion:117 Resp: 202450
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.4



#33
Benzene
Concen: 10.264 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion: 78 Resp: 601472

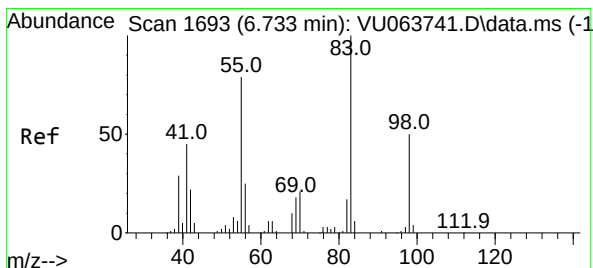
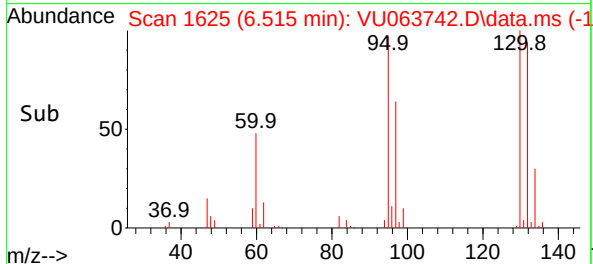
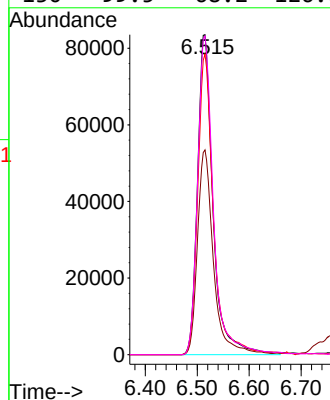
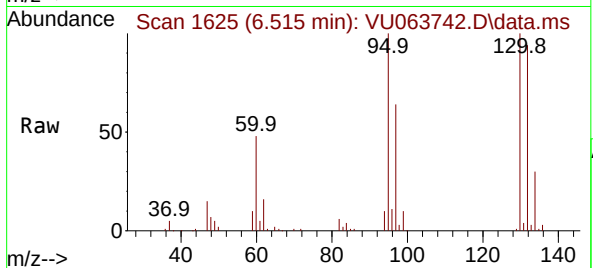




#34
Trichloroethene
Concen: 10.725 ug/L
RT: 6.515 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

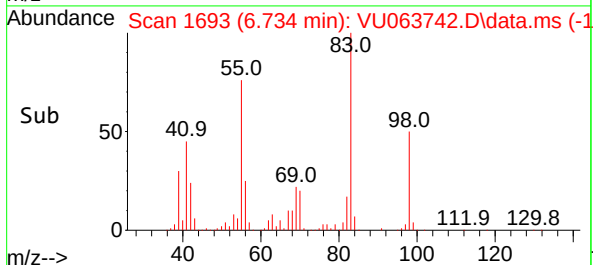
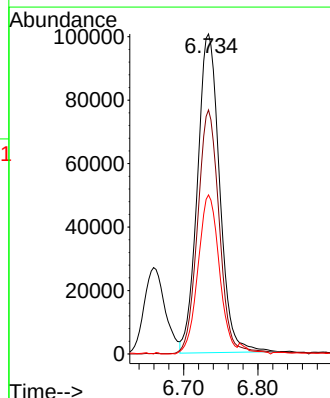
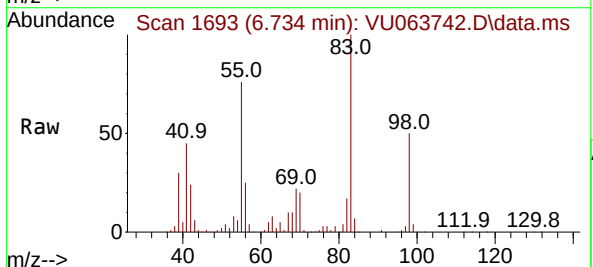
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

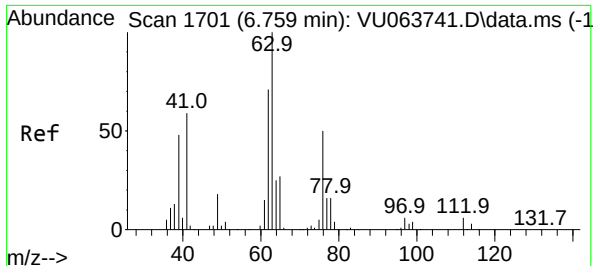
Tgt Ion: 95 Resp: 174451
Ion Ratio Lower Upper
95 100
97 64.0 44.9 83.5
132 93.9 65.4 121.4
130 99.5 68.2 126.6



#35
Methylcyclohexane
Concen: 8.823 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion: 83 Resp: 208680
Ion Ratio Lower Upper
83 100
55 74.6 62.5 93.7
98 47.7 40.3 60.5

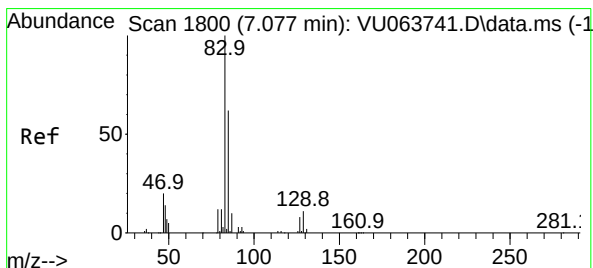
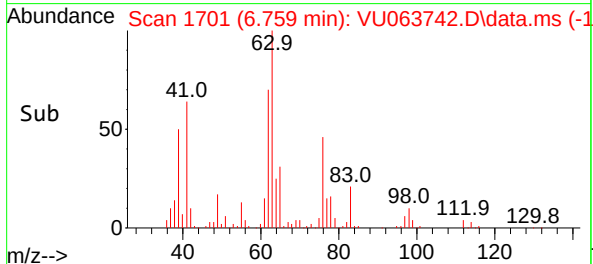
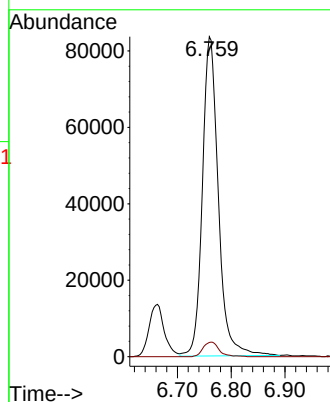
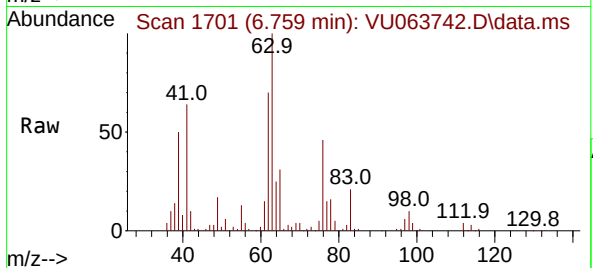




#37
1,2-Dichloropropane
Concen: 10.773 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

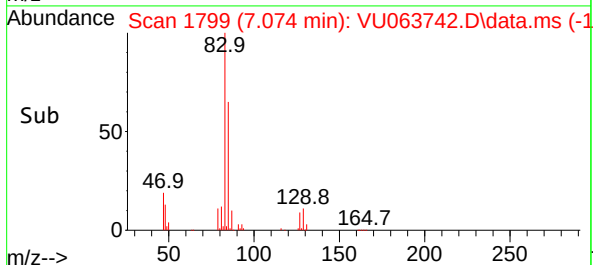
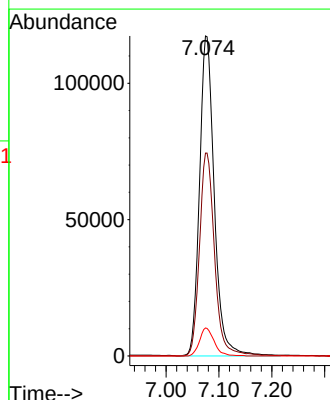
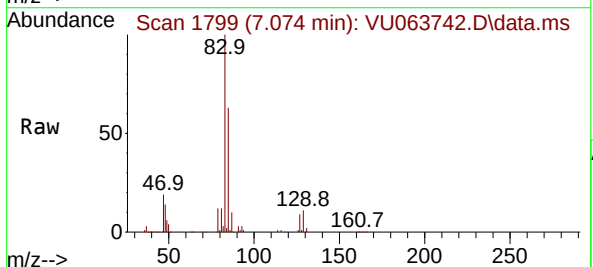
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

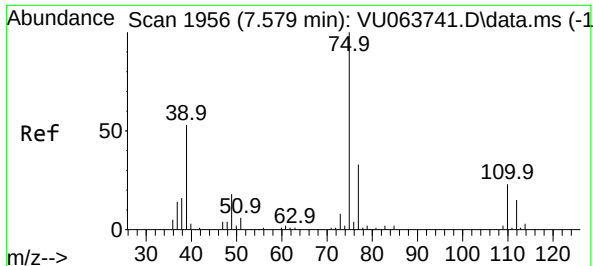
Tgt Ion: 63 Resp: 172304
Ion Ratio Lower Upper
63 100
112 4.5 3.8 5.8



#38
Bromodichloromethane
Concen: 12.636 ug/L
RT: 7.074 min Scan# 1799
Delta R.T. -0.003 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion: 83 Resp: 228345
Ion Ratio Lower Upper
83 100
85 63.4 43.7 81.1
127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 12.169 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

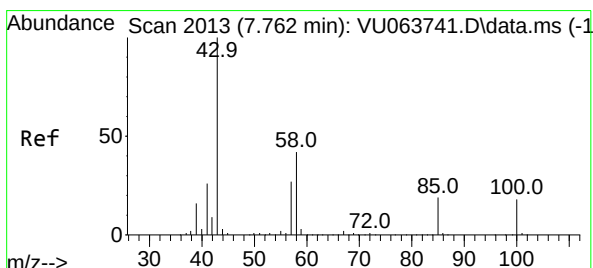
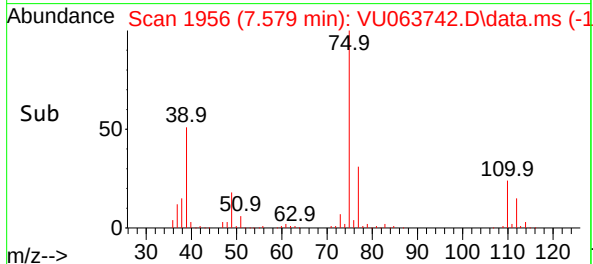
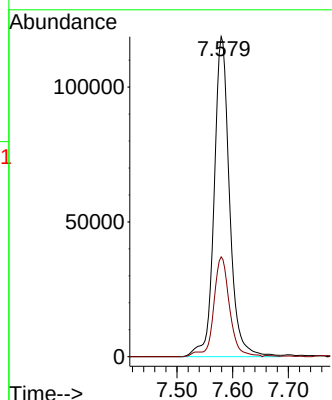
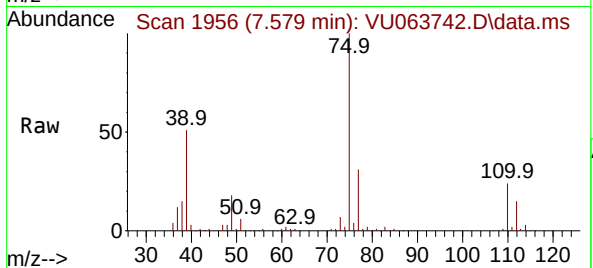
VSTD010030

Tgt Ion: 75 Resp: 228796

Ion Ratio Lower Upper

75 100

77 31.2 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 102.987 ug/L

RT: 7.762 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

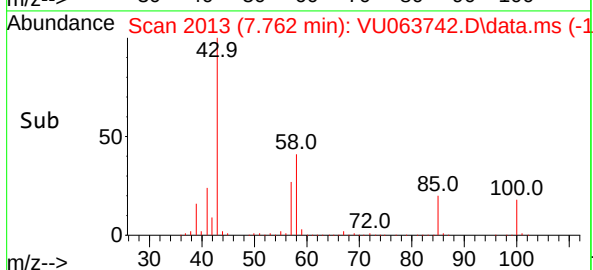
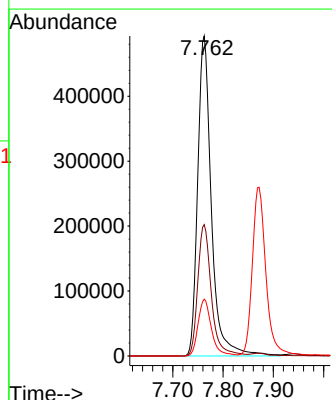
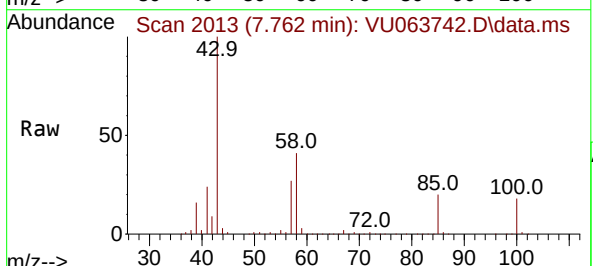
Tgt Ion: 43 Resp: 933308

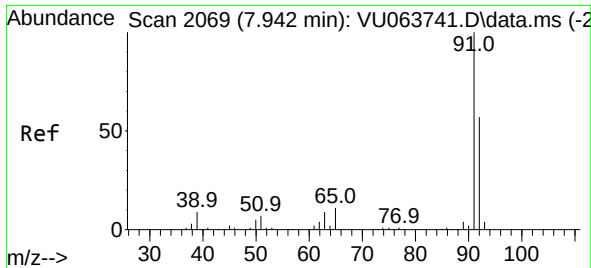
Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0

100 17.3 13.9 20.9





#42

Toluene

Concen: 10.558 ug/L

RT: 7.942 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

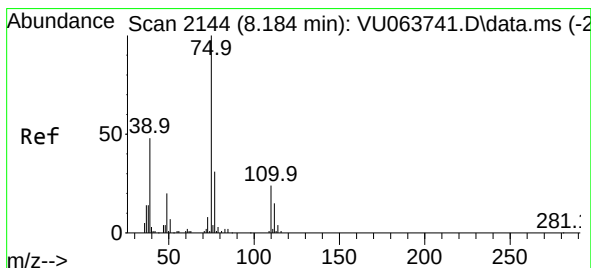
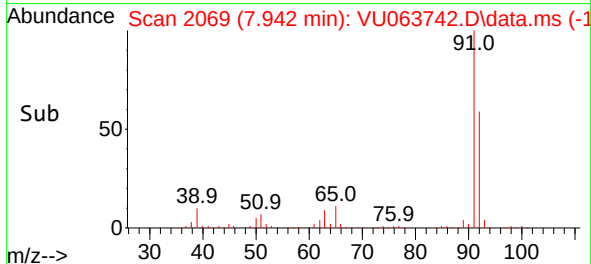
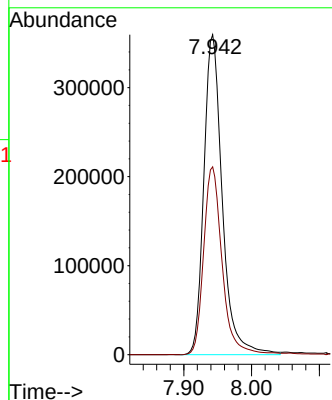
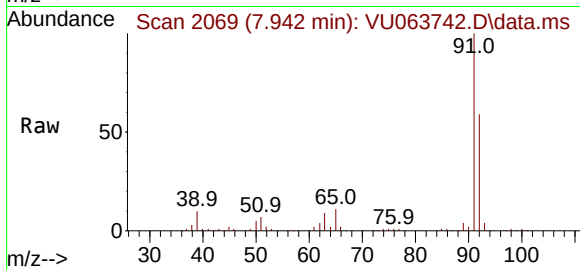
VSTD010030

Tgt Ion: 91 Resp: 679190

Ion Ratio Lower Upper

91 100

92 58.7 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 12.422 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063742.D

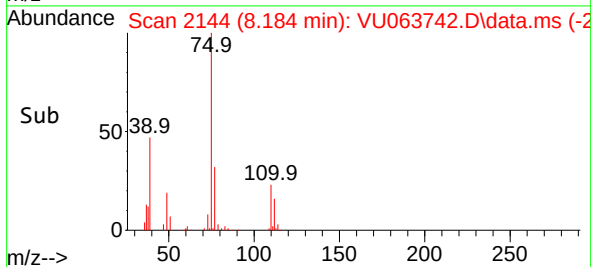
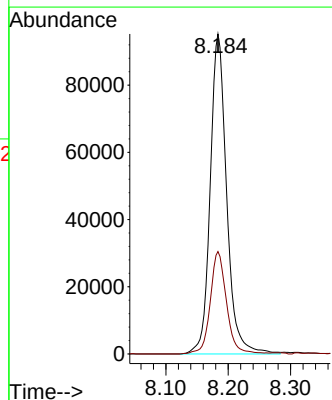
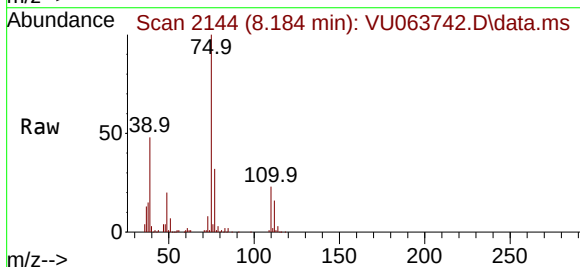
Acq: 19 Nov 2025 11:28

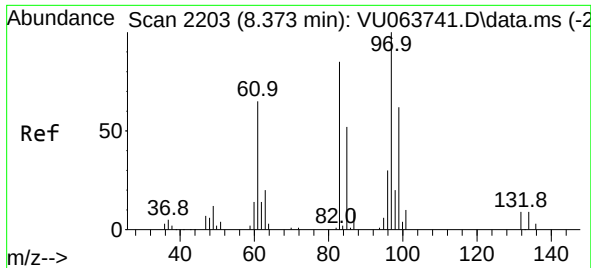
Tgt Ion: 75 Resp: 174403

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3

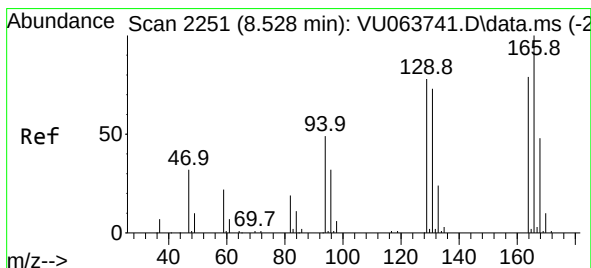
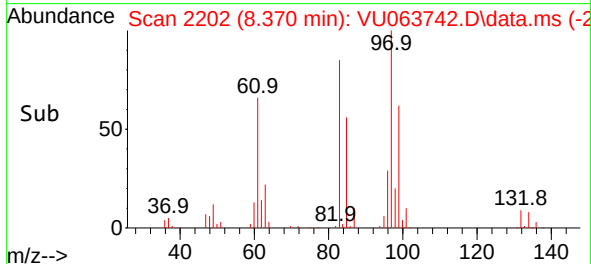
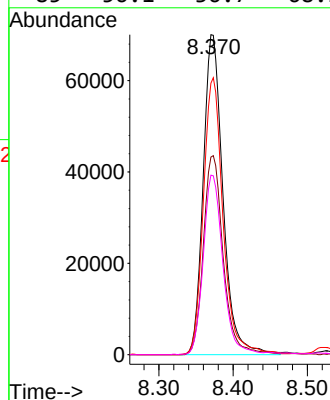
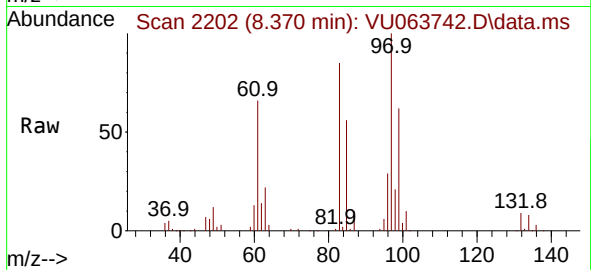




#45
1,1,2-Trichloroethane
Concen: 11.378 ug/L
RT: 8.370 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

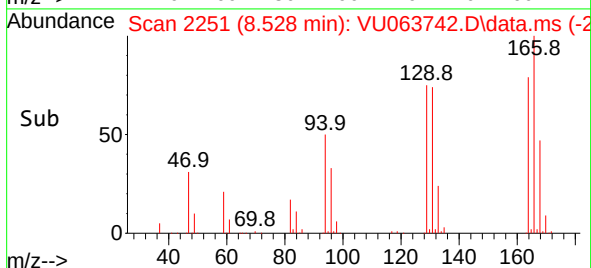
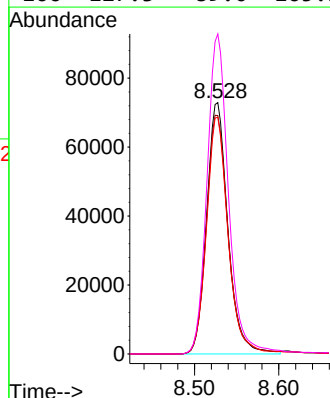
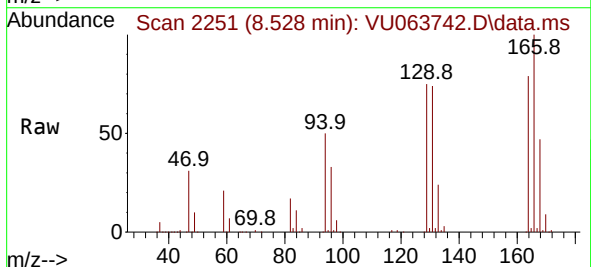
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

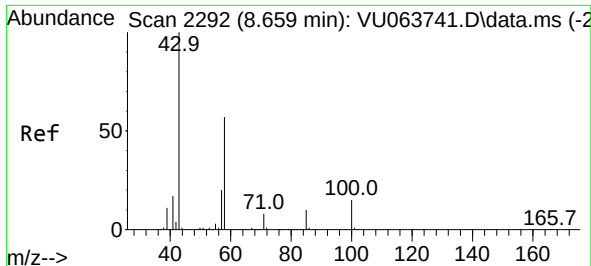
Tgt Ion:	97	Resp:	129689
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.4	80.6
83	84.9	59.4	110.2
85	56.1	36.7	68.1



#47
Tetrachloroethene
Concen: 10.357 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion:	164	Resp:	128694
Ion	Ratio	Lower	Upper
164	100		
129	94.9	69.5	129.1
131	94.2	65.2	121.2
166	127.3	89.0	165.2

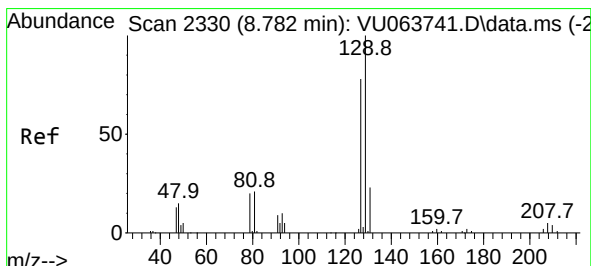
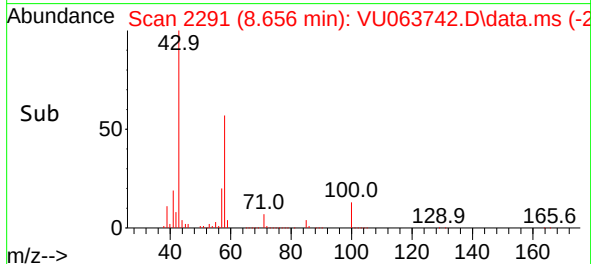
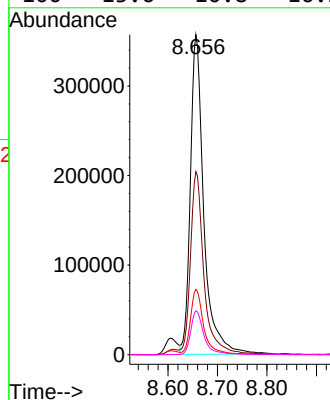
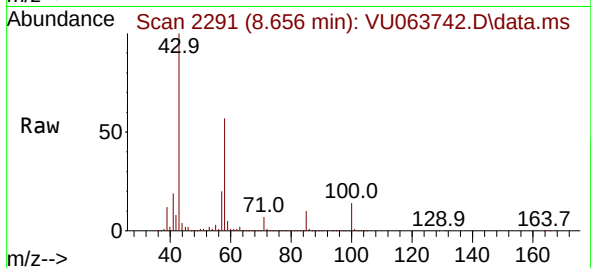




#48
2-Hexanone
Concen: 105.612 ug/L
RT: 8.656 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

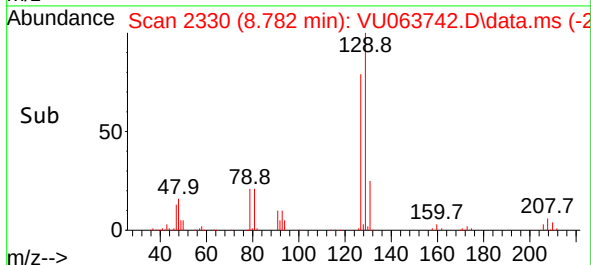
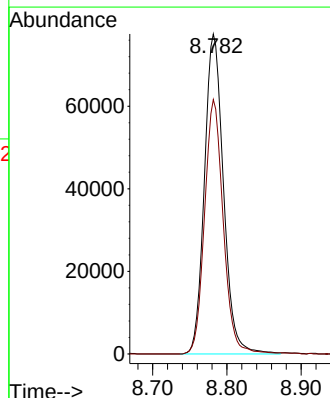
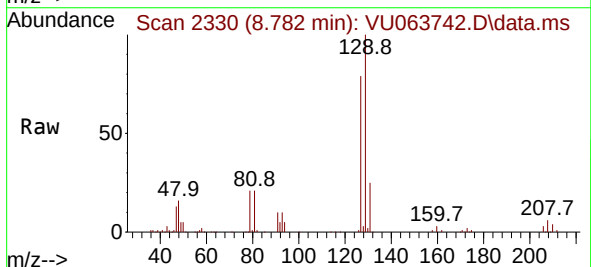
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

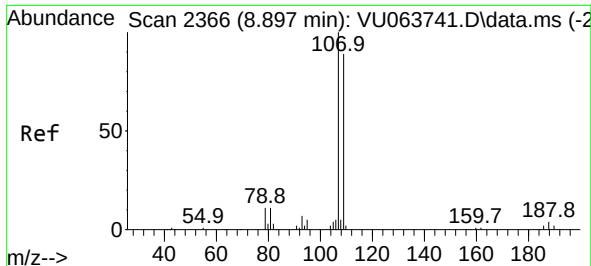
Tgt Ion: 43 Resp: 673832
Ion Ratio Lower Upper
43 100
58 56.8 43.3 64.9
57 19.9 16.2 24.2
100 13.6 10.8 16.2



#49
Dibromochloromethane
Concen: 12.851 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion:129 Resp: 137995
Ion Ratio Lower Upper
129 100
127 79.5 54.9 102.1

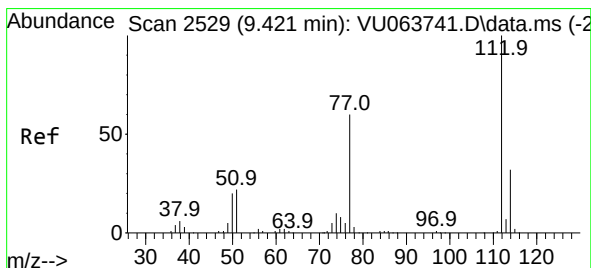
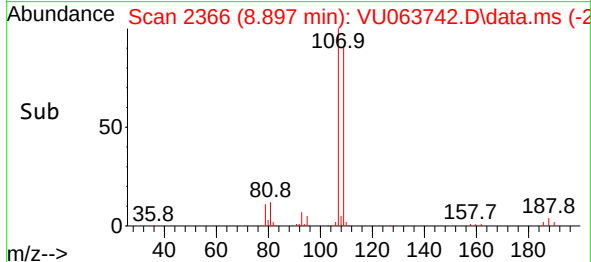
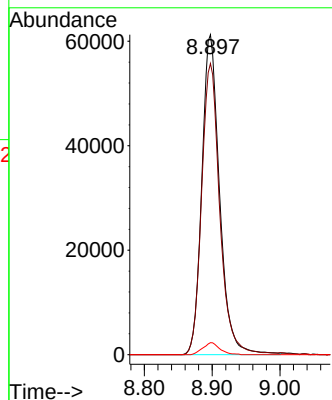
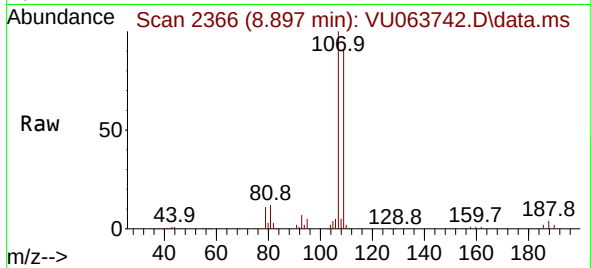




#50
1,2-Dibromoethane
Concen: 11.170 ug/L
RT: 8.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

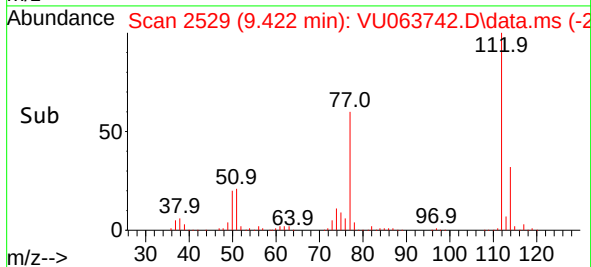
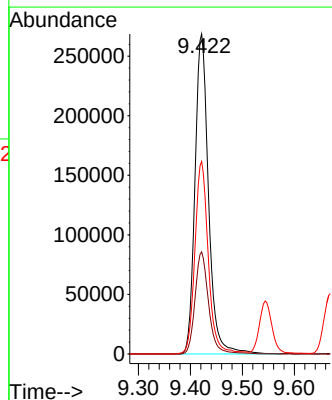
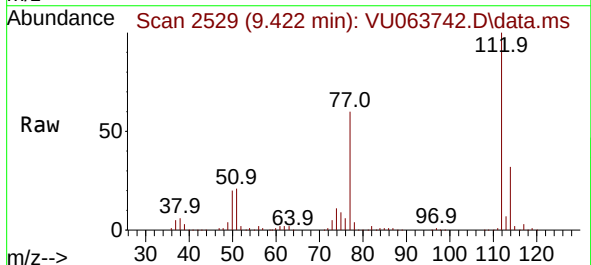
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

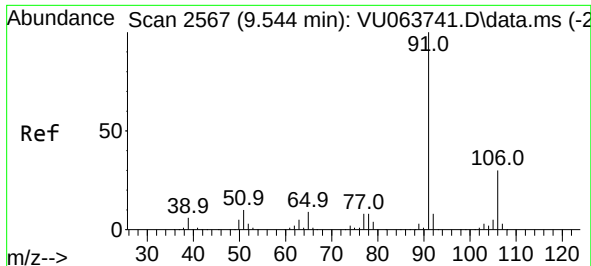
Tgt Ion:107 Resp: 111565
Ion Ratio Lower Upper
107 100
109 91.0 62.6 116.3
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 11.481 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion:112 Resp: 486617
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 60.1 48.3 72.5

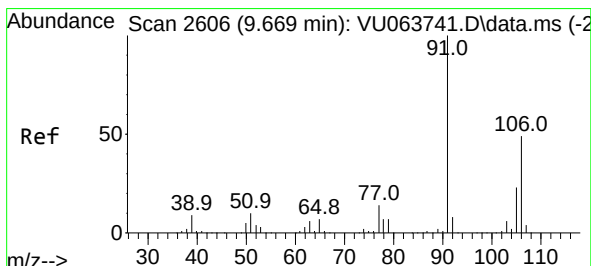
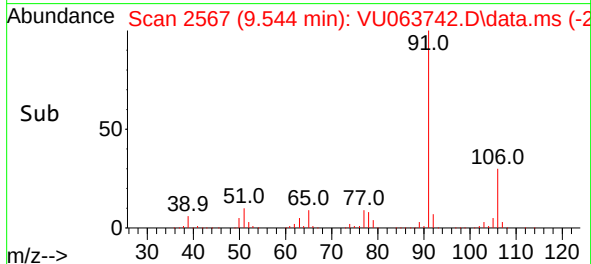
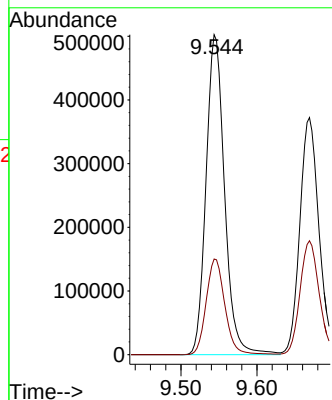
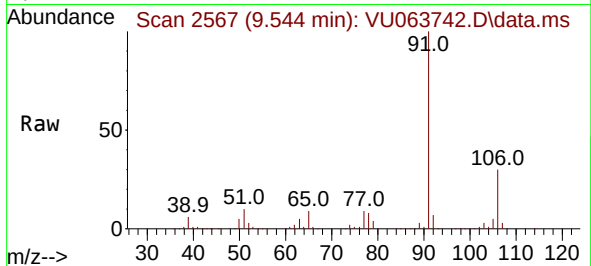




#52
Ethylbenzene
Concen: 11.758 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

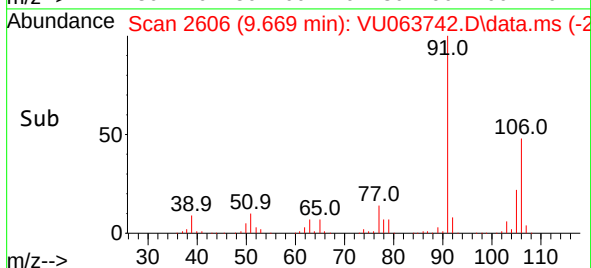
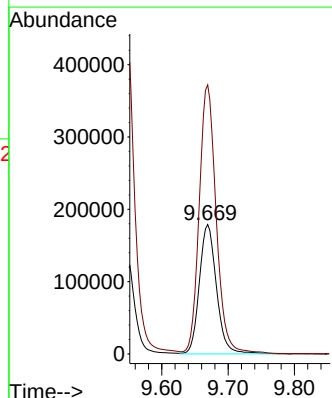
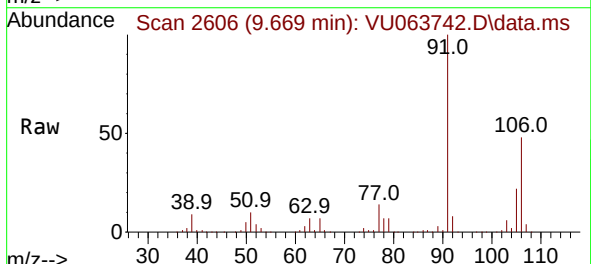
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

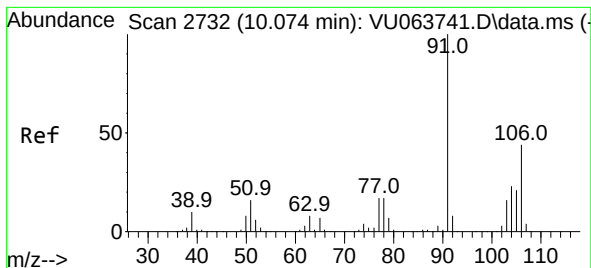
Tgt Ion: 91 Resp: 849549
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#53
m,p-Xylene
Concen: 11.886 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion: 106 Resp: 319819
Ion Ratio Lower Upper
106 100
91 207.9 144.5 268.3





#54

o-Xylene

Concen: 12.262 ug/L

RT: 10.074 min Scan# 2732

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

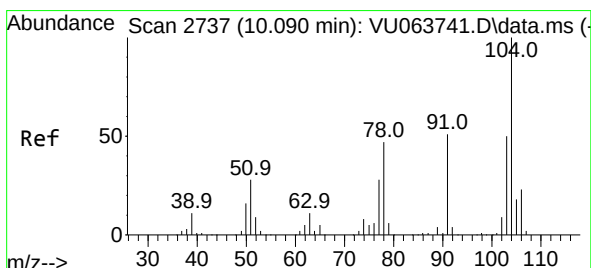
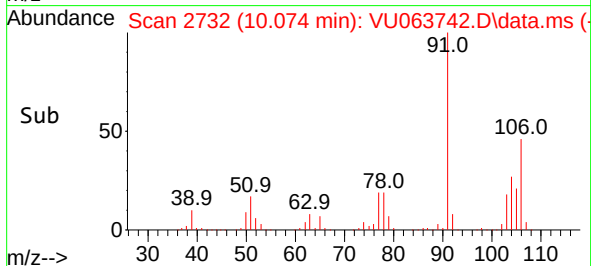
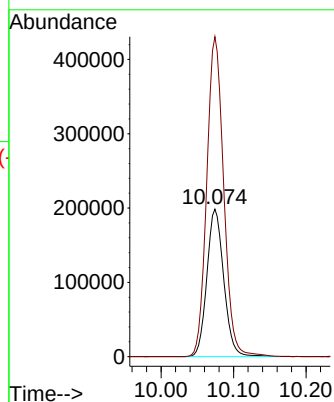
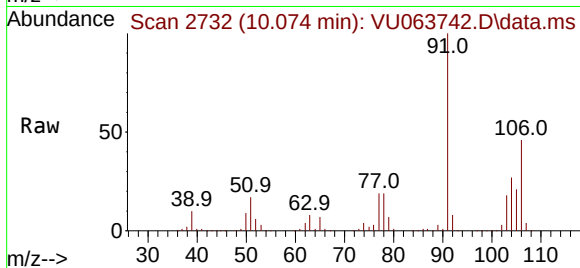
VSTD010030

Tgt Ion:106 Resp: 321210

Ion Ratio Lower Upper

106 100

91 217.0 157.4 292.4



#55

Styrene

Concen: 12.478 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063742.D

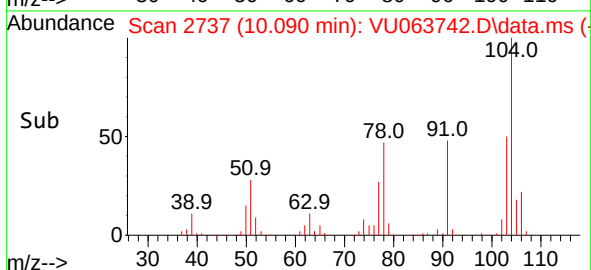
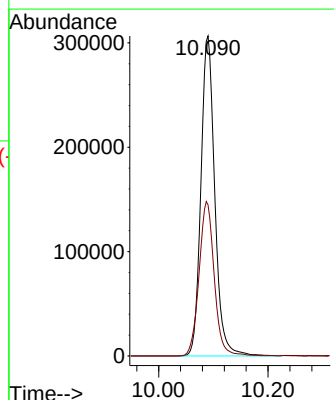
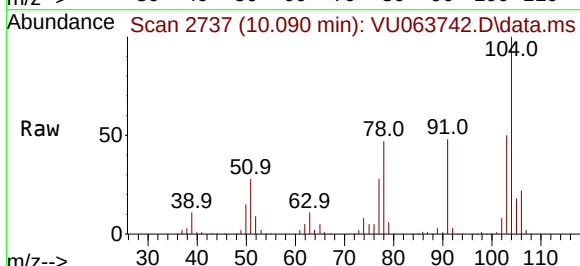
Acq: 19 Nov 2025 11:28

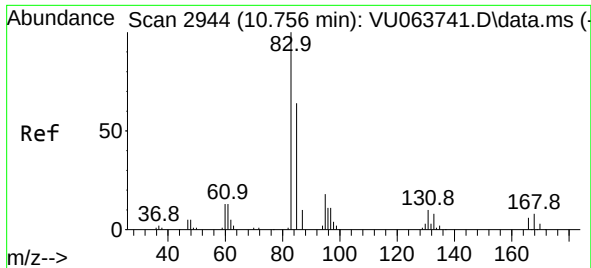
Tgt Ion:104 Resp: 540222

Ion Ratio Lower Upper

104 100

78 47.2 32.7 60.7

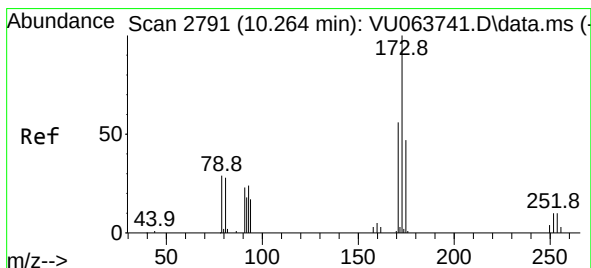
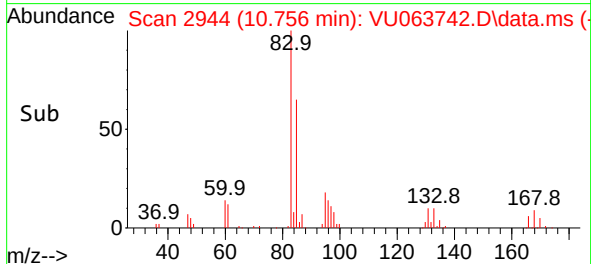
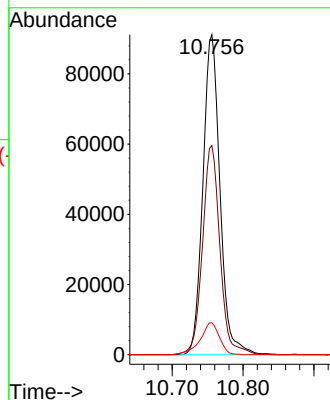
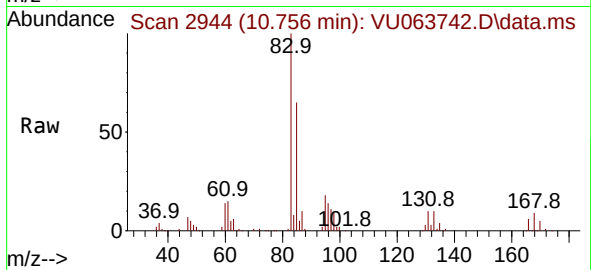




#57
1,1,2-Tetrachloroethane
Concen: 11.246 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

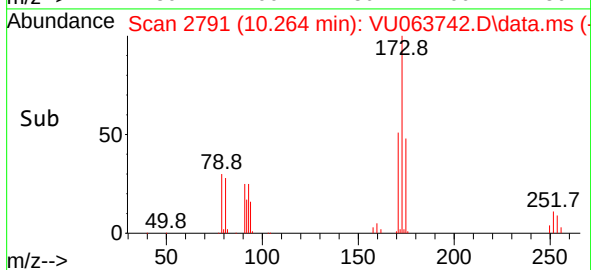
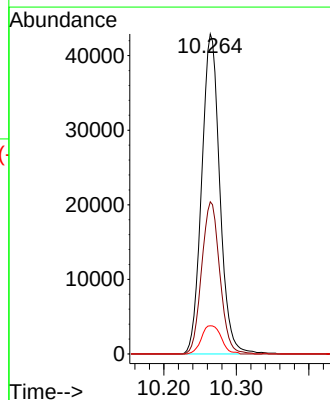
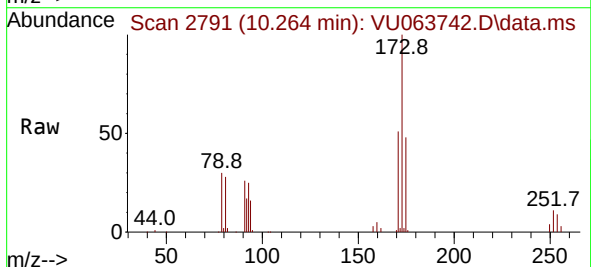
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

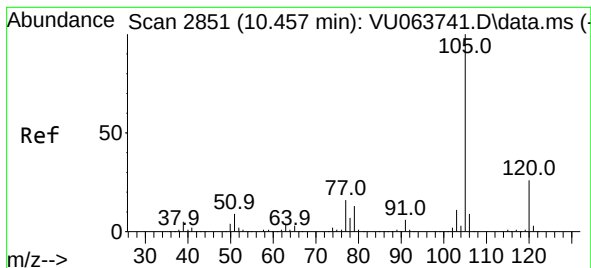
Tgt Ion: 83 Resp: 152516
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0
131 10.0 8.4 12.6



#59
Bromoform
Concen: 10.682 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion:173 Resp: 74494
Ion Ratio Lower Upper
173 100
175 47.6 37.8 56.8
254 9.7 7.8 11.8





#60

Isopropylbenzene

Concen: 9.903 ug/L

RT: 10.457 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

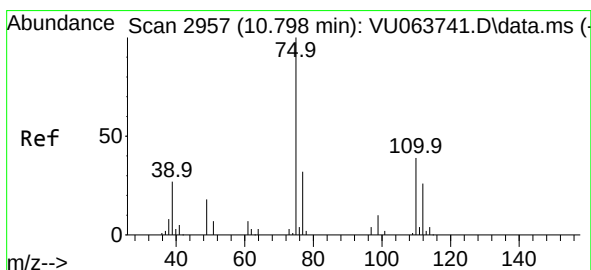
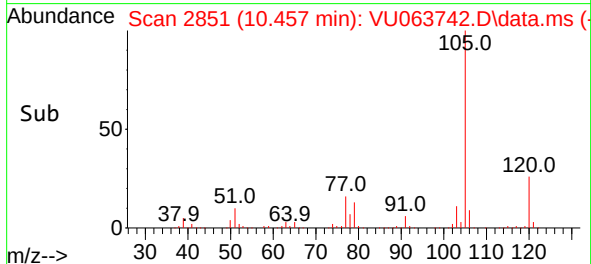
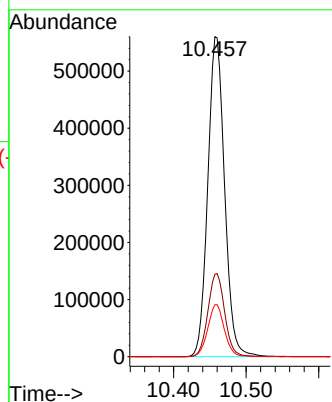
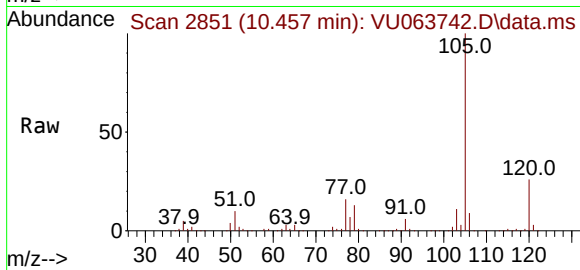
Tgt Ion:105 Resp: 900451

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 16.1 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 9.012 ug/L

RT: 10.794 min Scan# 2956

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

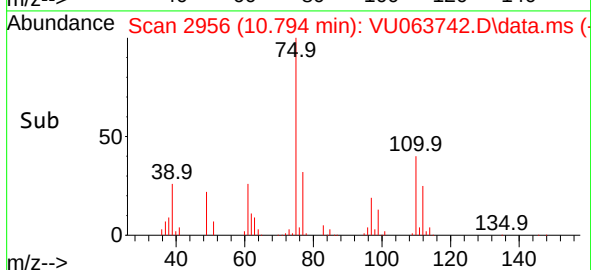
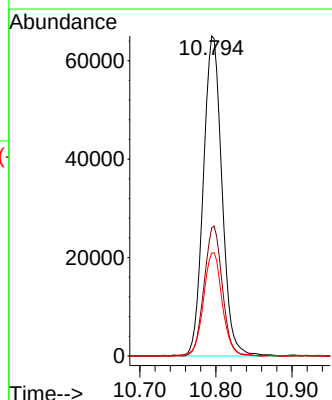
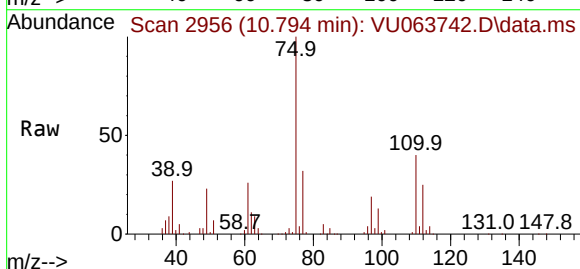
Tgt Ion: 75 Resp: 110393

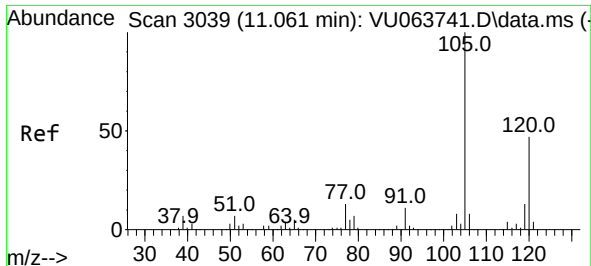
Ion Ratio Lower Upper

75 100

110 39.6 31.2 46.8

77 32.7 26.6 40.0





#62

1,3,5-Trimethylbenzene

Concen: 10.445 ug/L

RT: 11.061 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

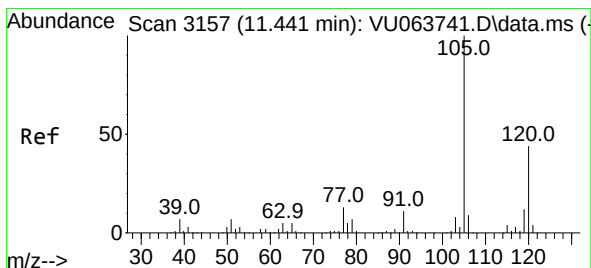
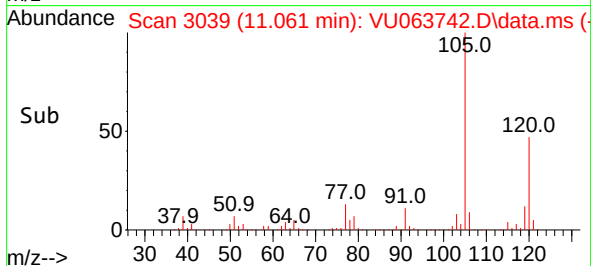
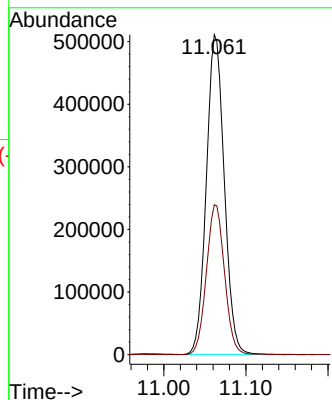
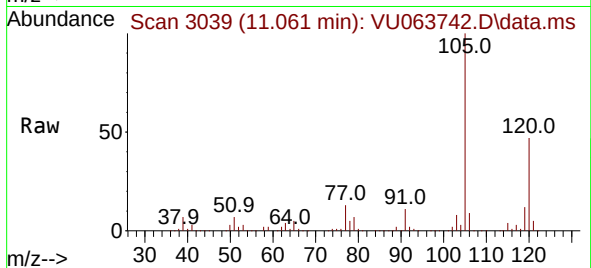
VSTD010030

Tgt Ion:105 Resp: 775145

Ion Ratio Lower Upper

105 100

120 47.4 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 10.641 ug/L

RT: 11.441 min Scan# 3157

Delta R.T. 0.000 min

Lab File: VU063742.D

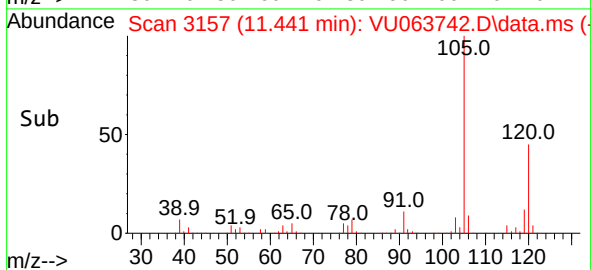
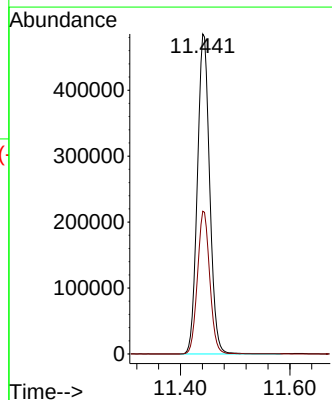
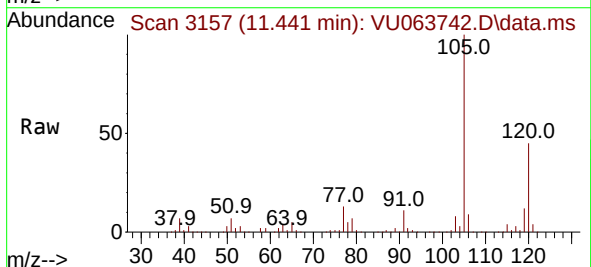
Acq: 19 Nov 2025 11:28

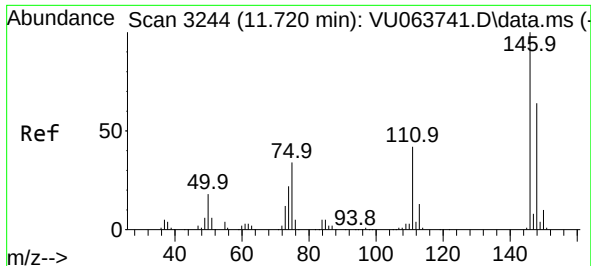
Tgt Ion:105 Resp: 756407

Ion Ratio Lower Upper

105 100

120 44.5 35.1 52.7

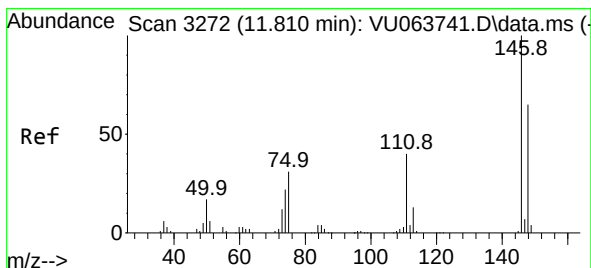
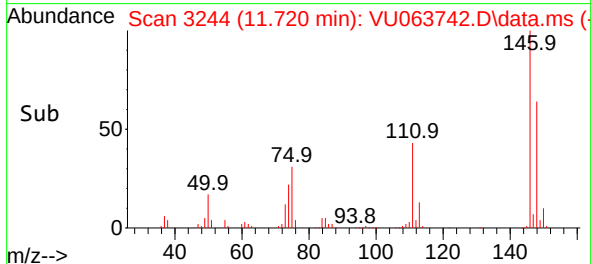
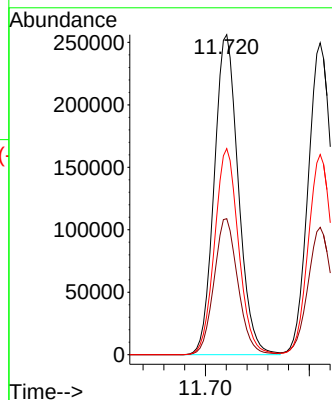
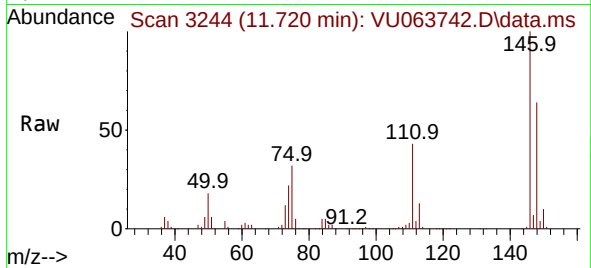




#64
1,3-Dichlorobenzene
Concen: 10.149 ug/L
RT: 11.720 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

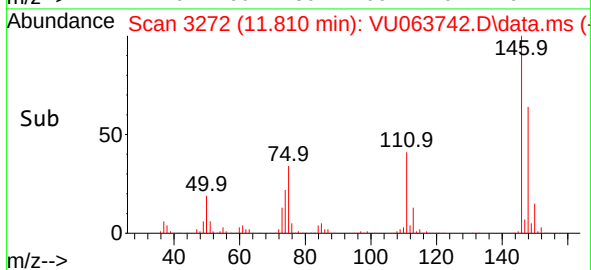
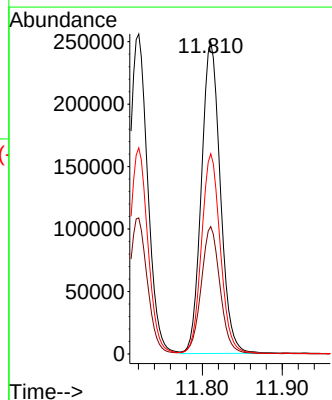
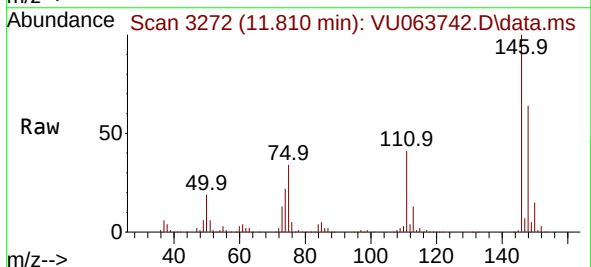
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

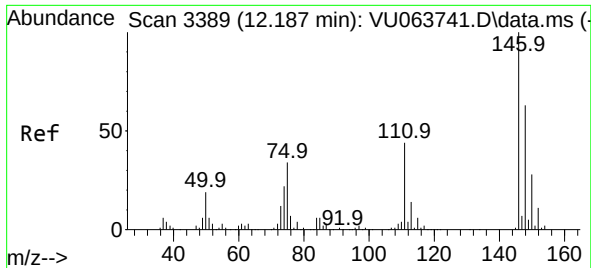
Tgt Ion:146 Resp: 413679
Ion Ratio Lower Upper
146 100
111 42.5 29.5 54.9
148 64.4 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 9.972 ug/L
RT: 11.810 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063742.D
Acq: 19 Nov 2025 11:28

Tgt Ion:146 Resp: 411489
Ion Ratio Lower Upper
146 100
111 40.8 27.9 51.7
148 64.2 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 9.918 ug/L

RT: 12.183 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

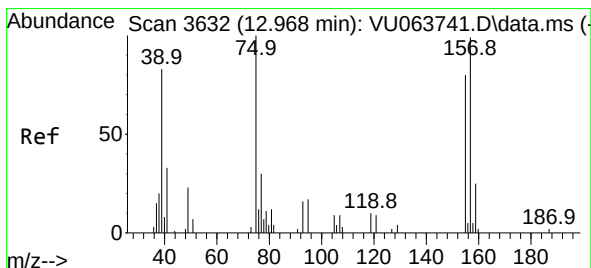
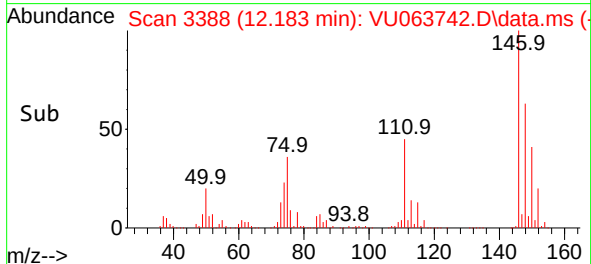
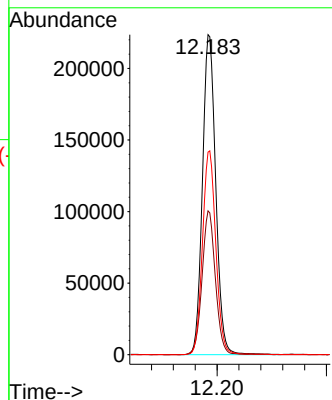
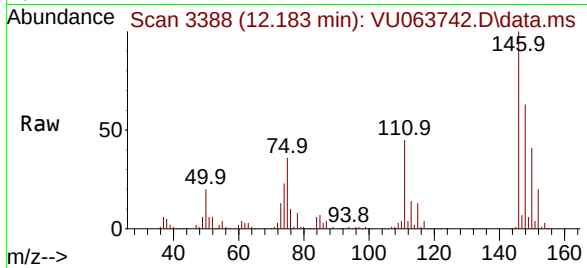
Tgt Ion:146 Resp: 376556

Ion Ratio Lower Upper

146 100

111 45.0 35.0 52.4

148 63.3 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 10.930 ug/L

RT: 12.968 min Scan# 3632

Delta R.T. 0.000 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

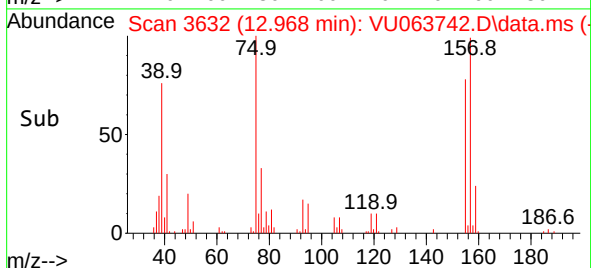
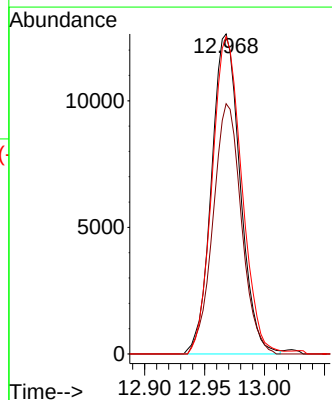
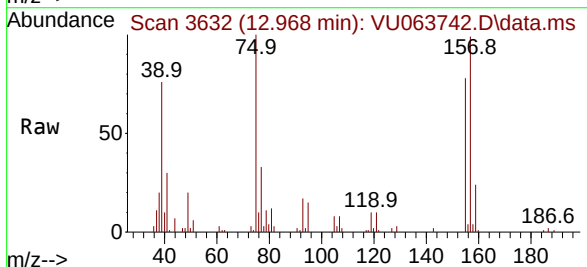
Tgt Ion: 75 Resp: 20961

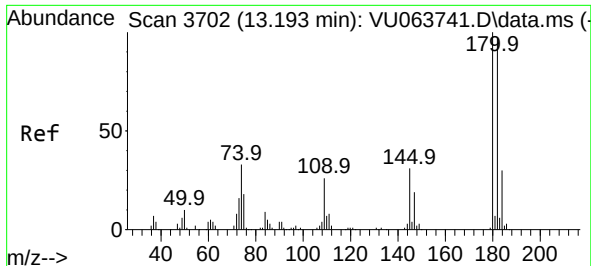
Ion Ratio Lower Upper

75 100

155 78.2 64.1 96.1

157 99.2 79.0 118.4





#69

1,3,5-Trichlorobenzene

Concen: 10.341 ug/L

RT: 13.190 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

Tgt Ion:180 Resp: 316836

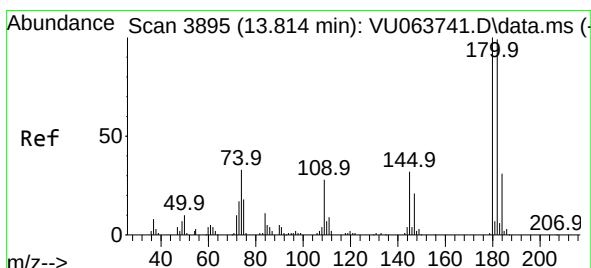
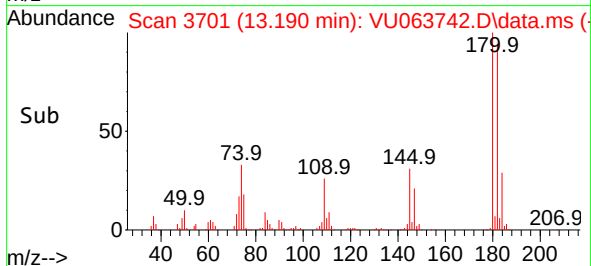
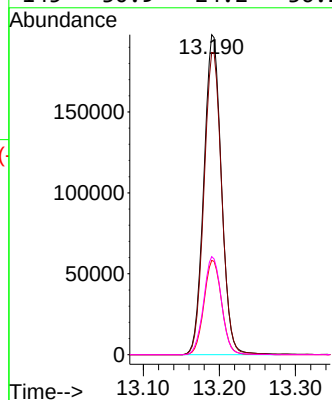
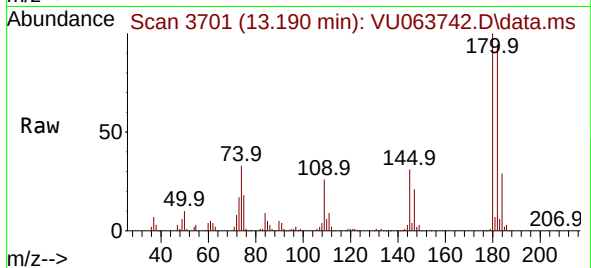
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

184 29.7 23.8 35.6

145 30.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 10.569 ug/L

RT: 13.810 min Scan# 3894

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

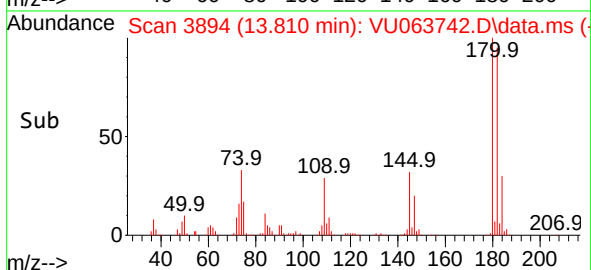
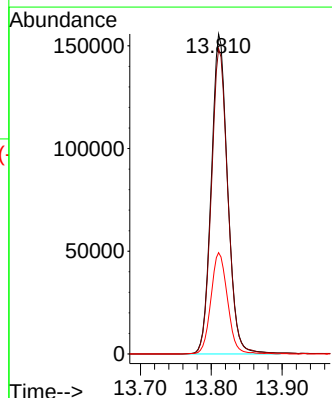
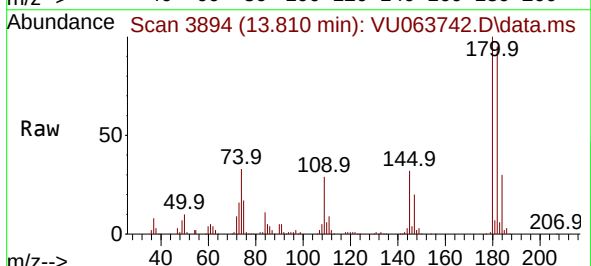
Tgt Ion:180 Resp: 249692

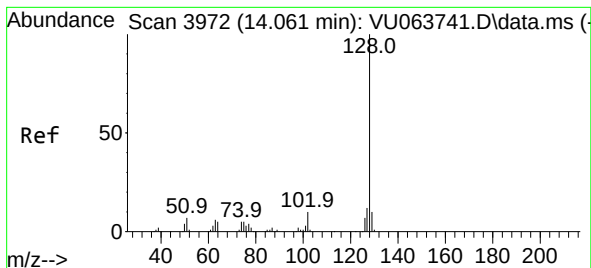
Ion Ratio Lower Upper

180 100

182 96.2 77.8 116.6

145 32.0 26.1 39.1





#71

Naphthalene

Concen: 10.076 ug/L

RT: 14.058 min Scan# 3971

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

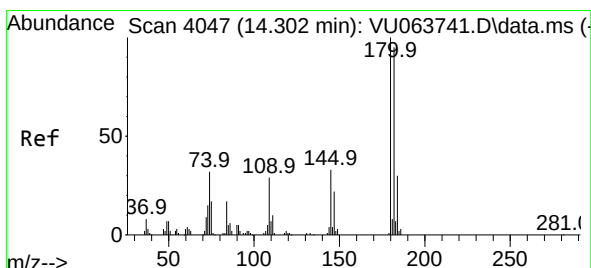
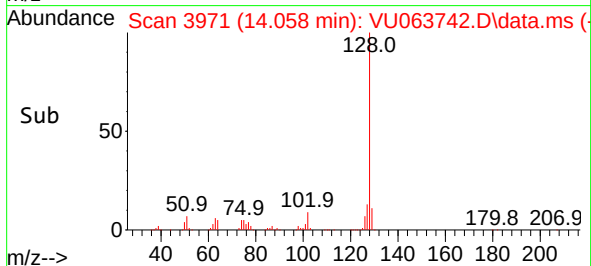
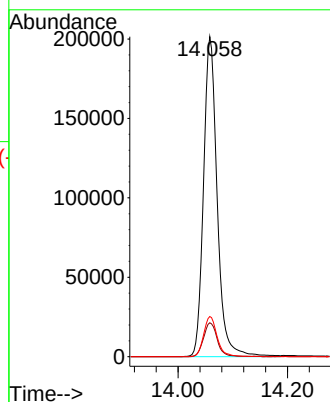
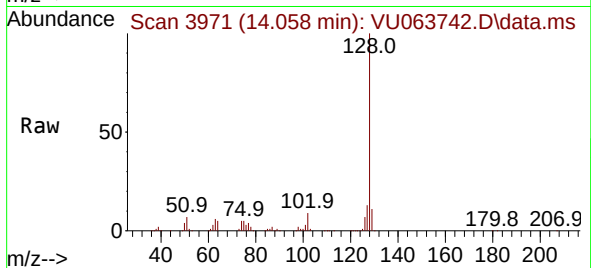
Tgt Ion:128 Resp: 349101

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 12.4 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 10.243 ug/L

RT: 14.299 min Scan# 4046

Delta R.T. -0.003 min

Lab File: VU063742.D

Acq: 19 Nov 2025 11:28

Tgt Ion:180 Resp: 205199

Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

145 33.5 27.1 40.7

