

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063754.D
 Acq On : 21 Nov 2025 08:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: Nov 21 22:24:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	304613	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	292788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	149265	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	125766	47.812	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.620%
7) Chloroethane-d5	1.891	69	98709	48.708	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.420%
11) 1,1-Dichloroethene-d2	2.544	63	222803	48.865	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.740%
21) 2-Butanone-d5	4.592	46	150309	100.233	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.230%
24) Chloroform-d	5.030	84	222615	50.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	5.669	65	141262	48.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.360%
32) Benzene-d6	5.695	84	426011	49.639	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.280%
36) 1,2-Dichloropropane-d6	6.660	67	125884	49.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.920%
41) Toluene-d8	7.872	98	397958	48.838	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.680%
43) trans-1,3-Dichloroprop...	8.155	79	47915	46.021	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.040%
47) 2-Hexanone-d5	8.608	63	91744	100.154	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.150%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	182289	49.475	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	12.167	152	144345	51.227	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	89886	50.702	ug/L	99
3) Chloromethane	1.509	50	96243	47.981	ug/L	99
5) Vinyl chloride	1.589	62	117361	50.321	ug/L	99
6) Bromomethane	1.837	94	75963	51.397	ug/L	96
8) Chloroethane	1.914	64	79392	50.998	ug/L	99
9) Trichlorofluoromethane	2.116	101	191932	52.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	113609	52.256	ug/L	97
12) 1,1-Dichloroethene	2.554	96	97408	48.988	ug/L	99
13) Acetone	2.602	43	205323	101.169	ug/L	98
14) Carbon disulfide	2.766	76	241074	46.545	ug/L	98
15) Methyl Acetate	2.923	43	127068	52.139	ug/L	100
16) Methylene chloride	3.017	84	115821	49.966	ug/L	100
17) trans-1,2-Dichloroethene	3.325	96	103214	48.687	ug/L	93
18) Methyl tert-butyl Ether	3.335	73	355042	49.485	ug/L	100
19) 1,1-Dichloroethane	3.833	63	204896	50.158	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	126107	51.678	ug/L	98
22) 2-Butanone	4.669	43	212384	94.196	ug/L	96
23) Bromochloromethane	4.943	128	63054	50.259	ug/L	97
25) Chloroform	5.055	83	227664	51.487	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063754.D
 Acq On : 21 Nov 2025 08:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

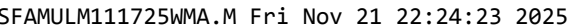
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

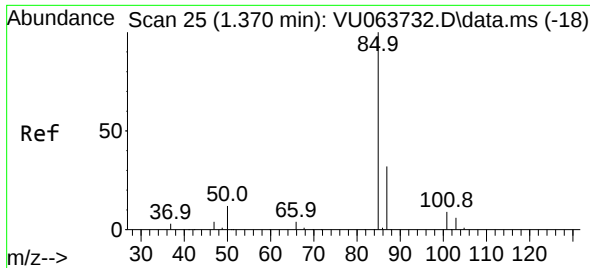
Quant Time: Nov 21 22:24:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	182016	50.424	ug/L	100
29) Cyclohexane	5.354	56	183585	49.835	ug/L	96
30) 1,1,1-Trichloroethane	5.284	97	186374	49.849	ug/L	99
31) Carbon tetrachloride	5.493	117	147267	50.094	ug/L	99
33) Benzene	5.743	78	448691	50.245	ug/L	100
34) Trichloroethene	6.515	95	130864	50.833	ug/L	97
35) Methylcyclohexane	6.734	83	183620	48.588	ug/L	98
37) 1,2-Dichloropropane	6.759	63	116725	50.296	ug/L	100
38) Bromodichloromethane	7.078	83	157434	49.540	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	167711	48.729	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	342887	102.074	ug/L	100
42) Toluene	7.943	91	500776	50.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	143156	47.649	ug/L	97
45) 1,1,2-Trichloroethane	8.373	97	123783	50.434	ug/L	99
46) Tetrachloroethene	8.528	164	100725	51.162	ug/L	98
48) 2-Hexanone	8.660	43	268708	101.915	ug/L	99
49) Dibromochloromethane	8.782	129	117549	49.594	ug/L	98
50) 1,2-Dibromoethane	8.898	107	127491	49.488	ug/L	98
51) Chlorobenzene	9.422	112	332545	49.984	ug/L	100
52) Ethylbenzene	9.544	91	580045	50.670	ug/L	100
53) m,p-Xylene	9.669	106	215687	49.433	ug/L	98
54) o-Xylene	10.074	106	214036	50.372	ug/L	98
55) Styrene	10.090	104	352488	51.199	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	197417	49.386	ug/L	98
59) Bromoform	10.264	173	85575	50.483	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	167513	51.418	ug/L	100
61) Isopropylbenzene	10.457	105	585117	51.961	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	483457	52.194	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	460998	52.139	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	264229	52.341	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	261767	50.626	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	251575	51.401	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	40063	49.801	ug/L	91
69) 1,3,5-Trichlorobenzene	13.190	180	181583	53.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	144878	50.922	ug/L	99
71) Naphthalene	14.058	128	364885	48.191	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	133402	49.471	ug/L	99

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

Quant Time: Nov 21 22:24:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 19 04:47:02 2025
Response via : Initial Calibration

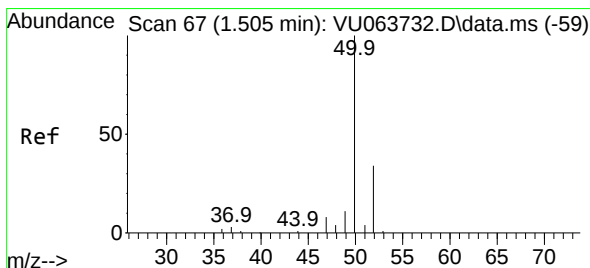
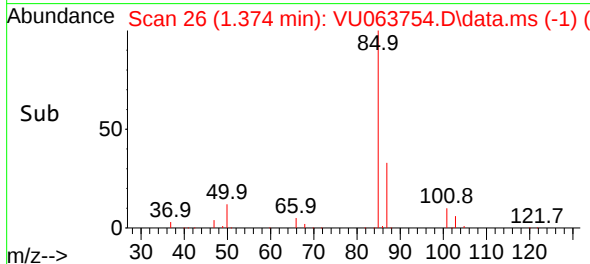
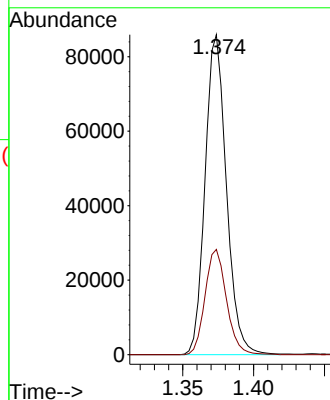
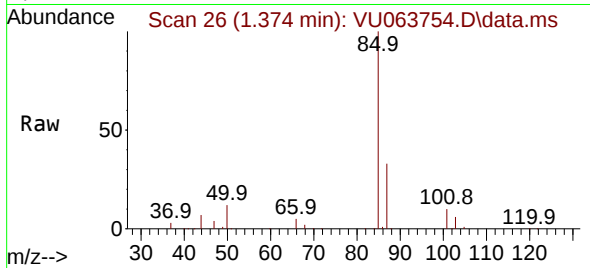




#2
Dichlorodifluoromethane
Concen: 50.702 ug/L
RT: 1.374 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

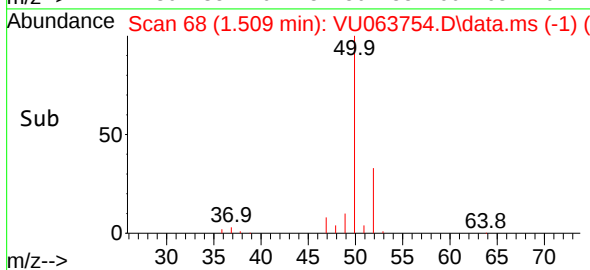
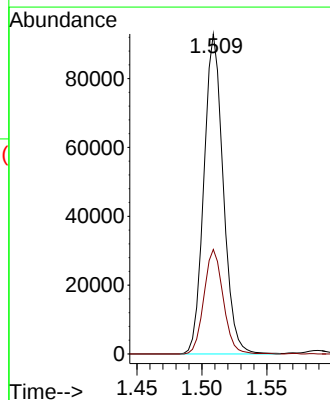
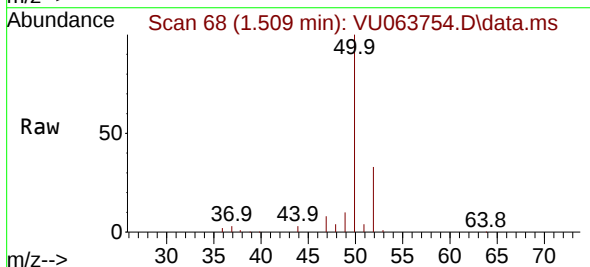
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

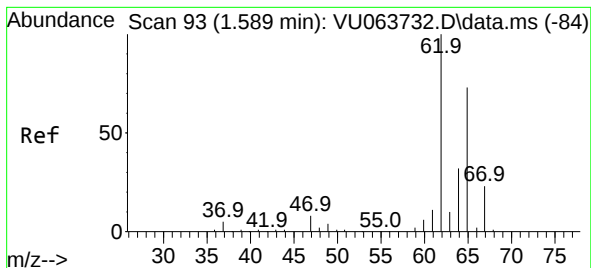
Tgt Ion: 85 Resp: 89886
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.2



#3
Chloromethane
Concen: 47.981 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 50 Resp: 96243
Ion Ratio Lower Upper
50 100
52 32.6 23.2 43.2

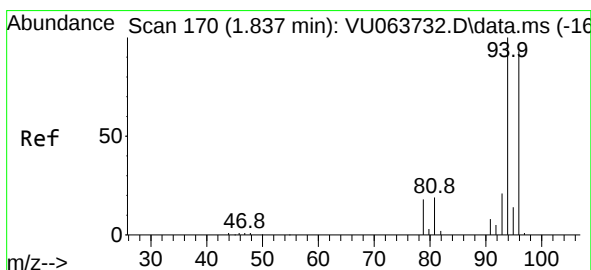
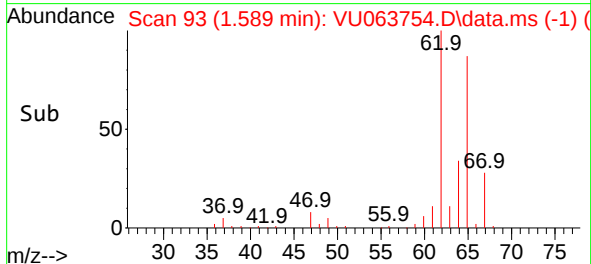
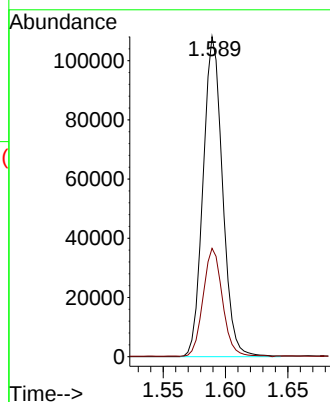
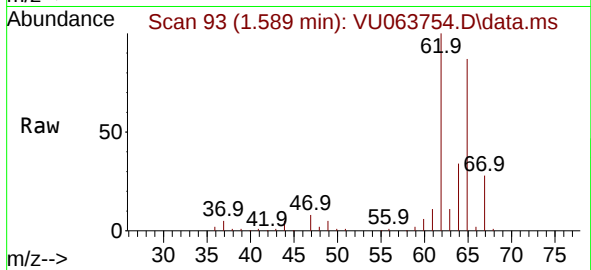




#5
 Vinyl chloride
 Concen: 50.321 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063754.D
 Acq: 21 Nov 2025 08:22

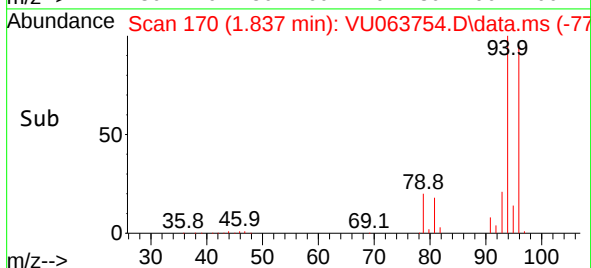
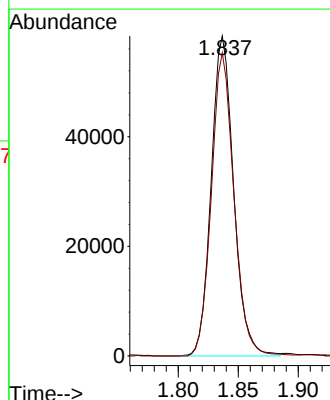
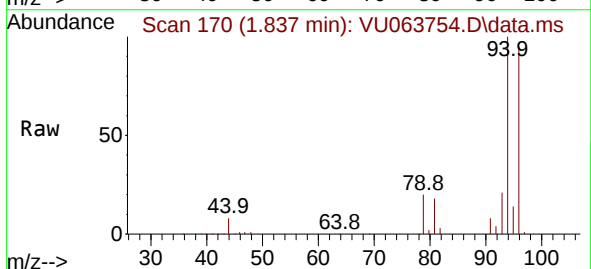
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

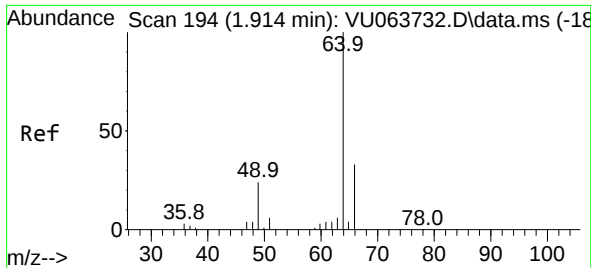
Tgt Ion: 62 Resp: 117361
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.2 43.2



#6
 Bromomethane
 Concen: 51.397 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.000 min
 Lab File: VU063754.D
 Acq: 21 Nov 2025 08:22

Tgt Ion: 94 Resp: 75963
 Ion Ratio Lower Upper
 94 100
 96 94.7 63.8 118.4

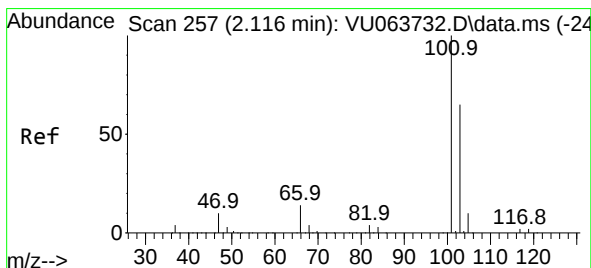
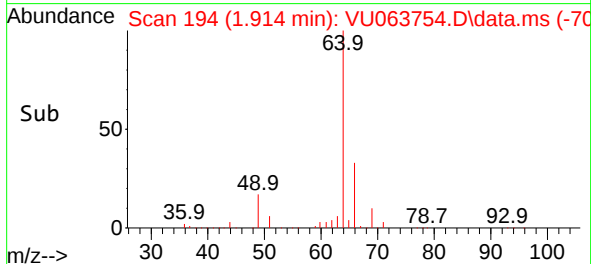
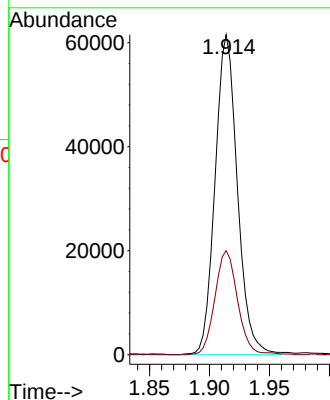
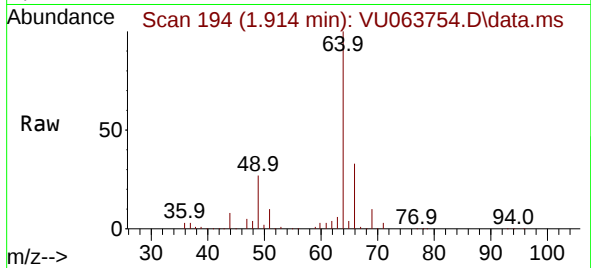




#8
Chloroethane
Concen: 50.998 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

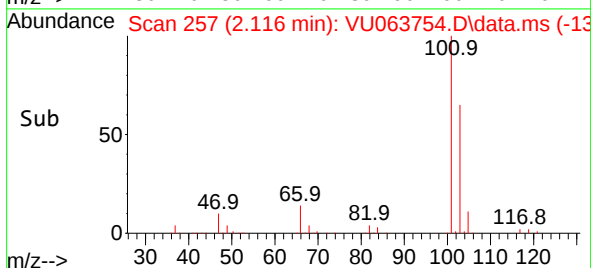
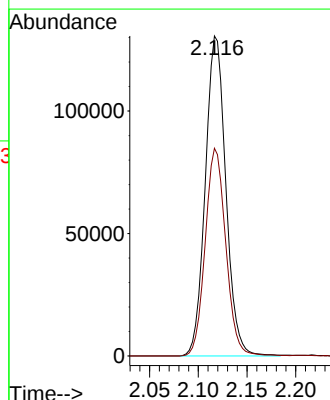
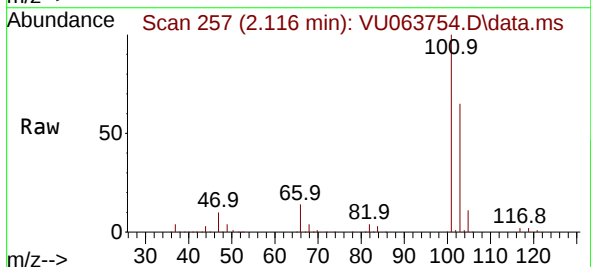
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

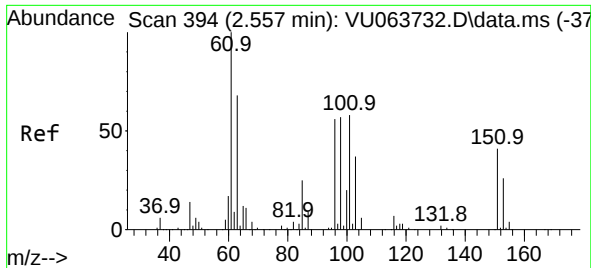
Tgt Ion: 64 Resp: 79392
Ion Ratio Lower Upper
64 100
66 32.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 52.177 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion:101 Resp: 191932
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

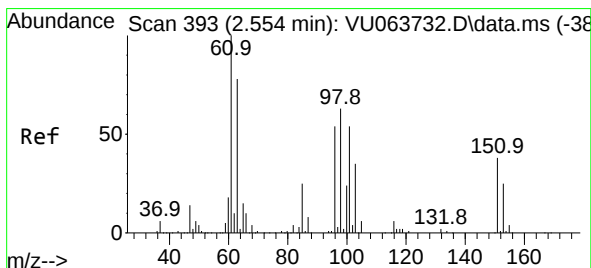
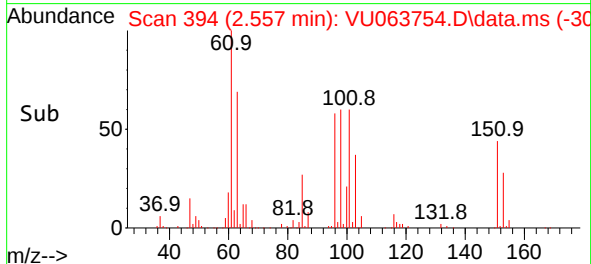
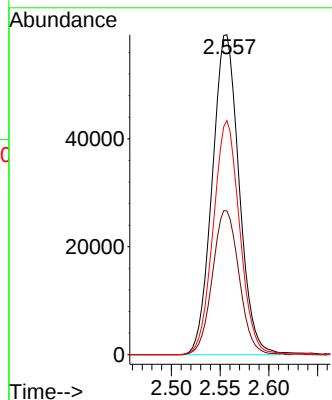
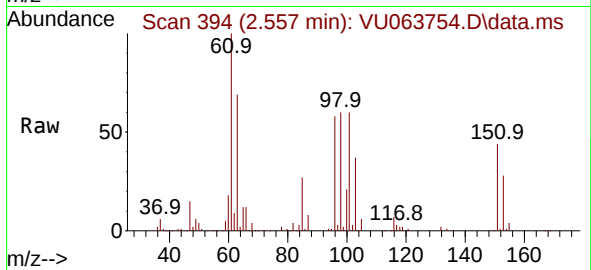




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.256 ug/L
RT: 2.557 min Scan# 394
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

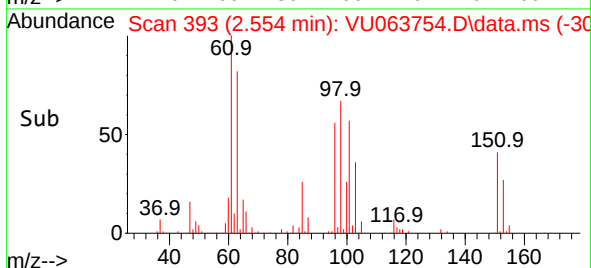
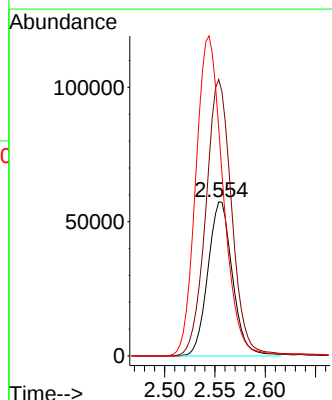
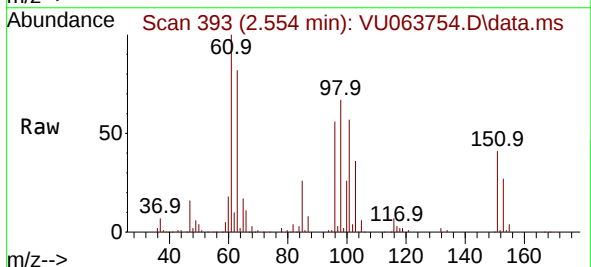
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

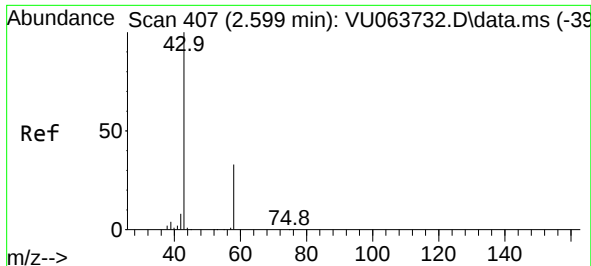
Tgt Ion:101 Resp: 113609
Ion Ratio Lower Upper
101 100
85 44.7 36.3 54.5
151 72.2 60.1 90.1



#12
1,1-Dichloroethene
Concen: 48.988 ug/L
RT: 2.554 min Scan# 393
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 96 Resp: 97408
Ion Ratio Lower Upper
96 100
61 179.4 123.3 228.9
63 147.6 103.3 191.8





#13

Acetone

Concen: 101.169 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

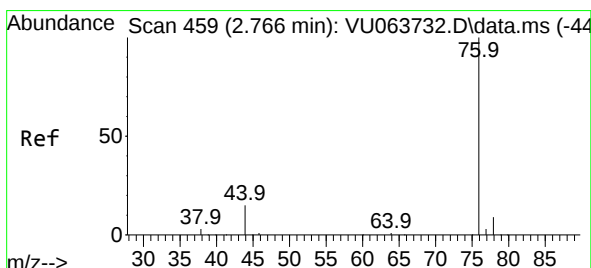
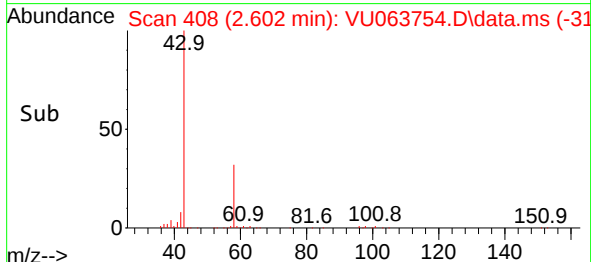
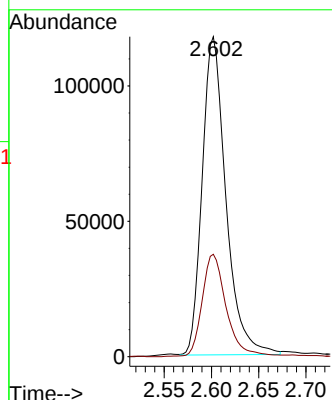
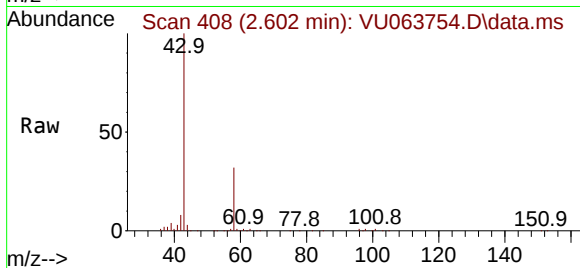
VSTD050115

Tgt Ion: 43 Resp: 205323

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.4



#14

Carbon disulfide

Concen: 46.545 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063754.D

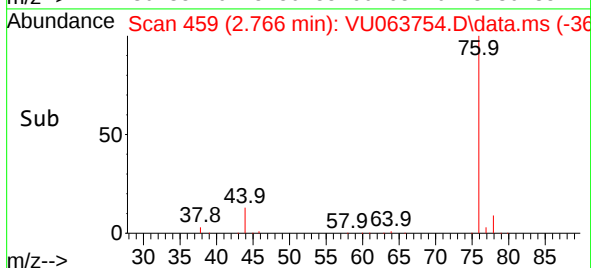
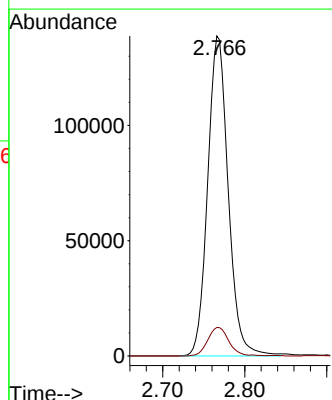
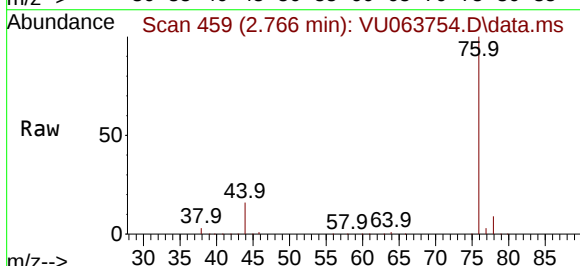
Acq: 21 Nov 2025 08:22

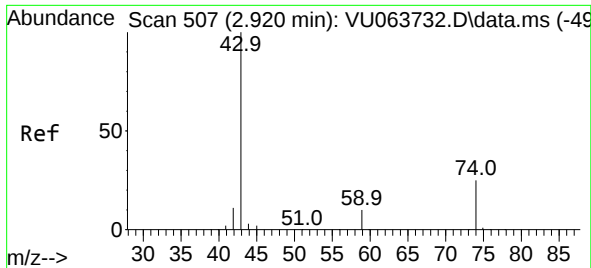
Tgt Ion: 76 Resp: 241074

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6

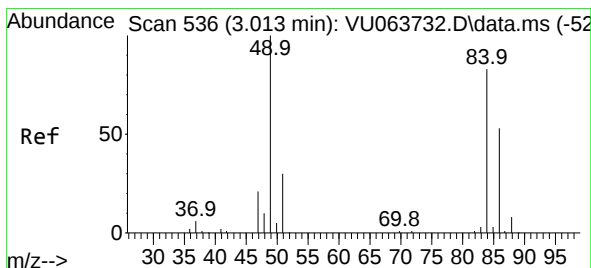
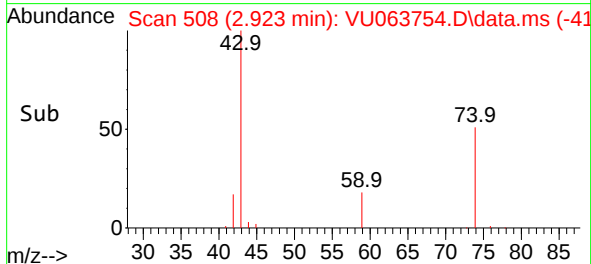
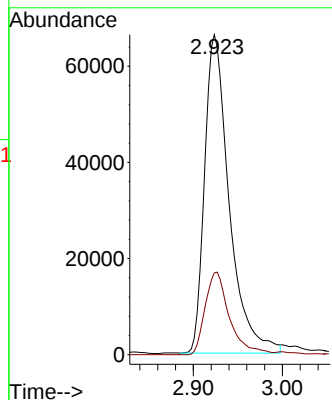
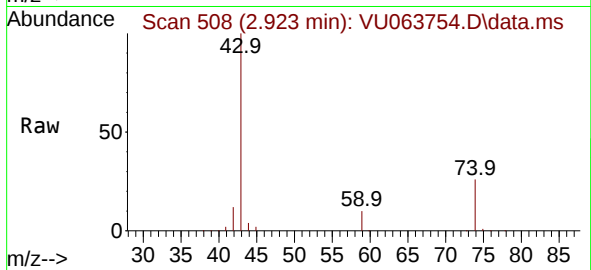




#15
Methyl Acetate
Concen: 52.139 ug/L
RT: 2.923 min Scan# 507
Delta R.T. 0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

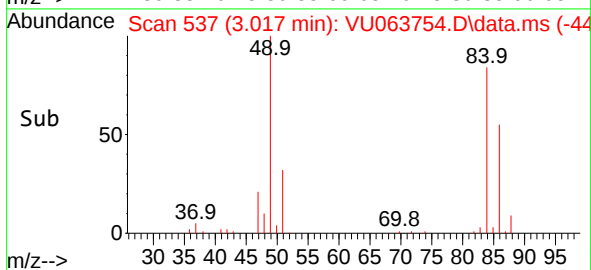
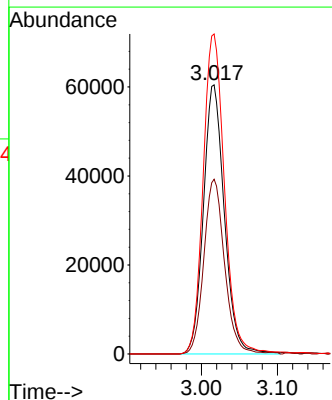
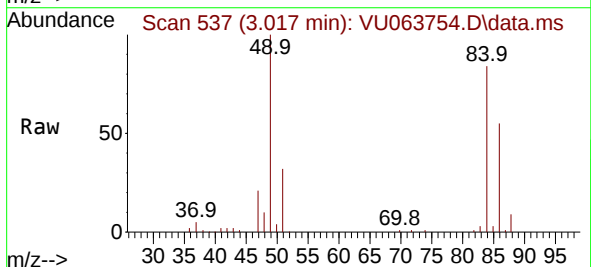
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

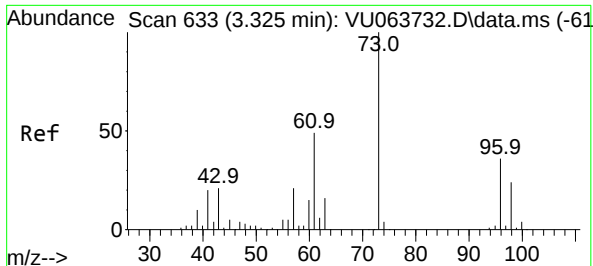
Tgt Ion: 43 Resp: 127068
Ion Ratio Lower Upper
43 100
74 25.7 20.5 30.7



#16
Methylene chloride
Concen: 49.966 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 84 Resp: 115821
Ion Ratio Lower Upper
84 100
86 65.0 45.2 84.0
49 118.9 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 48.687 ug/L

RT: 3.325 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

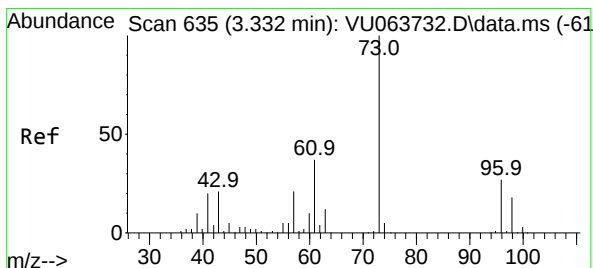
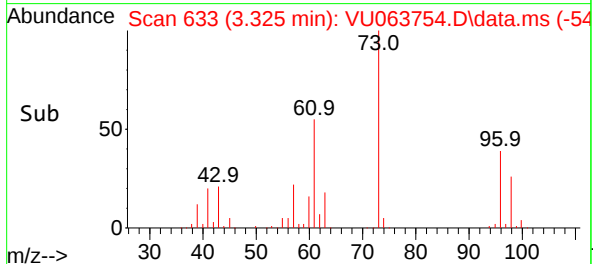
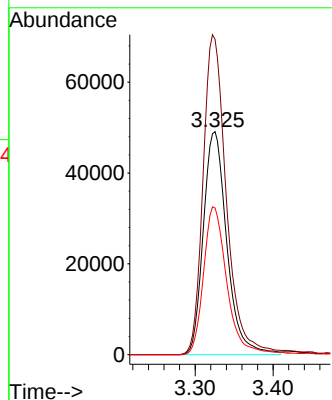
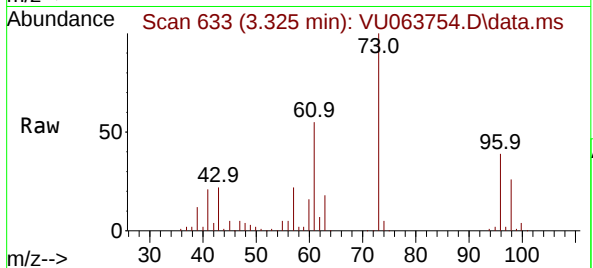
Tgt Ion: 96 Resp: 103214

Ion Ratio Lower Upper

96 100

61 141.3 92.7 172.1

98 65.8 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 49.485 ug/L

RT: 3.335 min Scan# 636

Delta R.T. 0.003 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

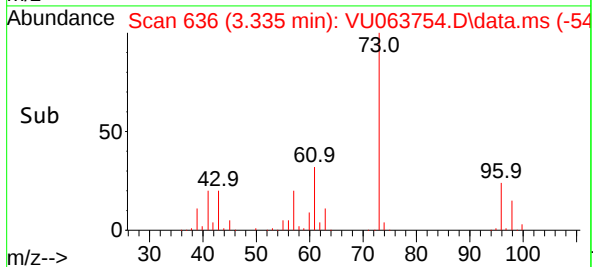
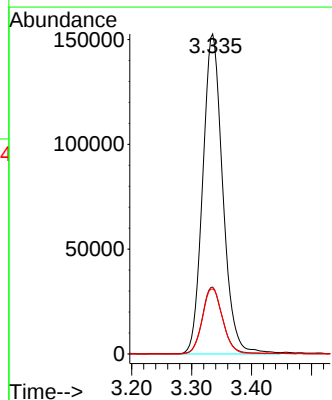
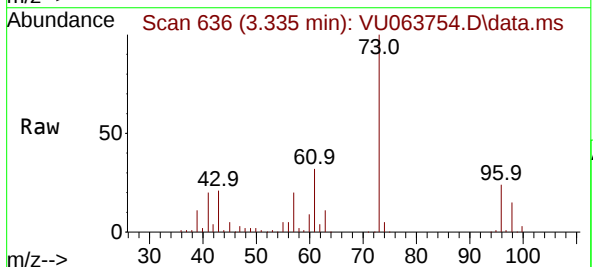
Tgt Ion: 73 Resp: 355042

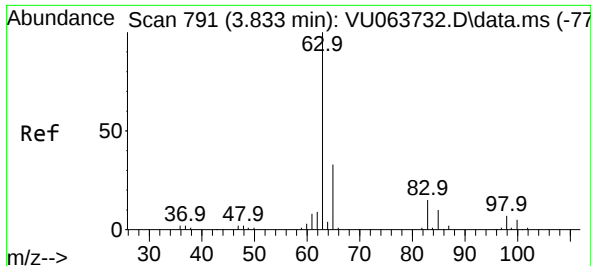
Ion Ratio Lower Upper

73 100

43 20.7 16.6 24.8

57 20.5 16.3 24.5

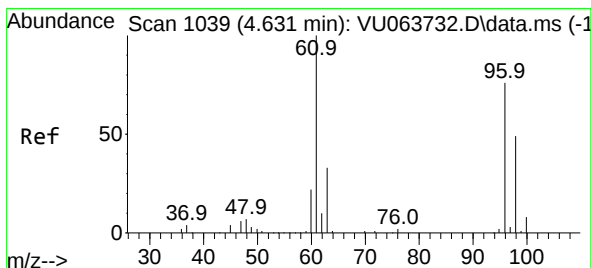
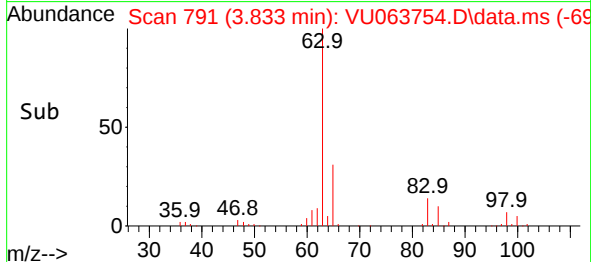
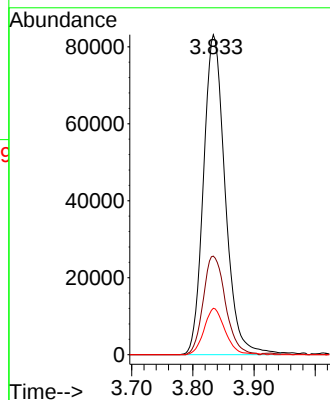
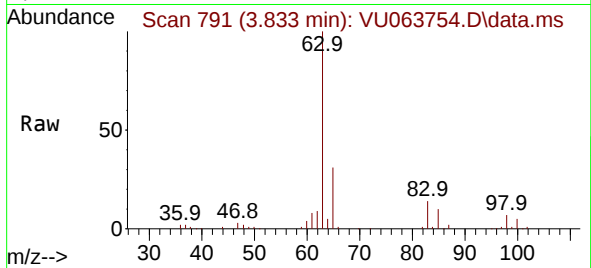




#19
1,1-Dichloroethane
Concen: 50.158 ug/L
RT: 3.833 min Scan# 791
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

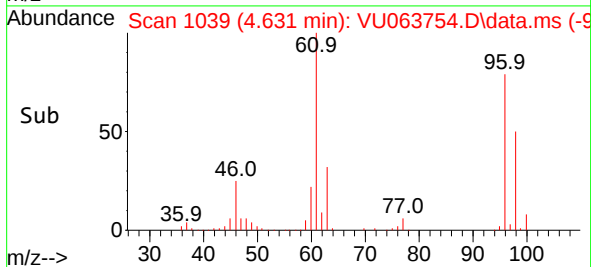
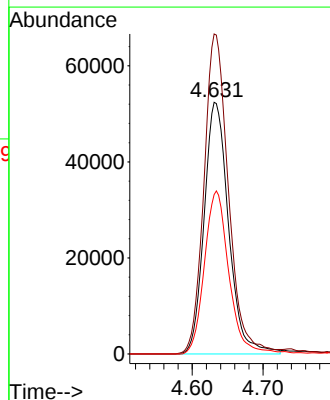
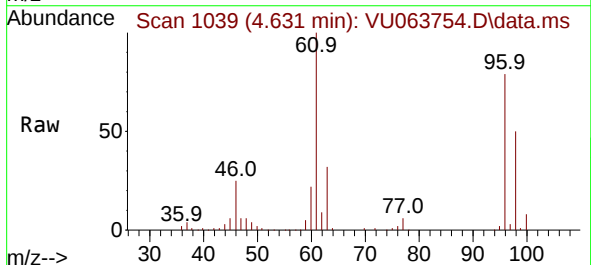
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

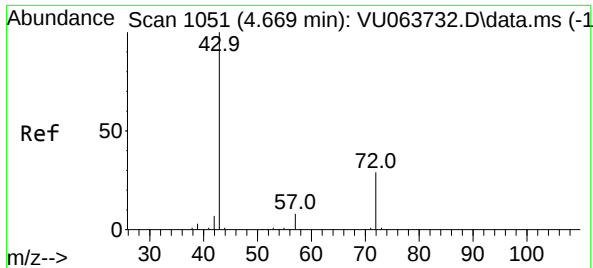
Tgt Ion: 63 Resp: 204896
Ion Ratio Lower Upper
63 100
65 30.8 22.0 41.0
83 14.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 51.678 ug/L
RT: 4.631 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 96 Resp: 126107
Ion Ratio Lower Upper
96 100
61 127.1 90.3 167.7
98 63.3 46.3 86.1

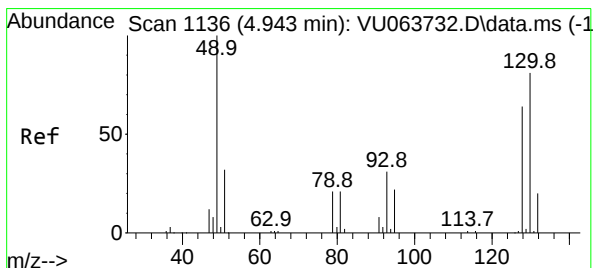
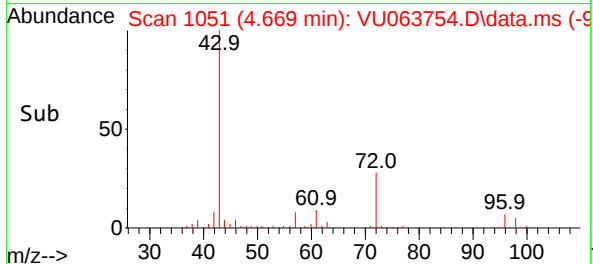
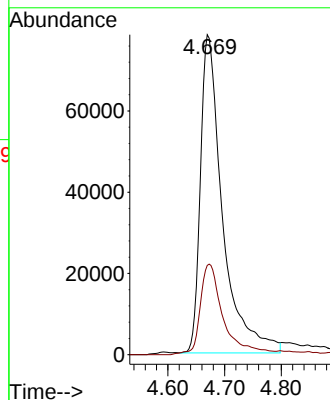
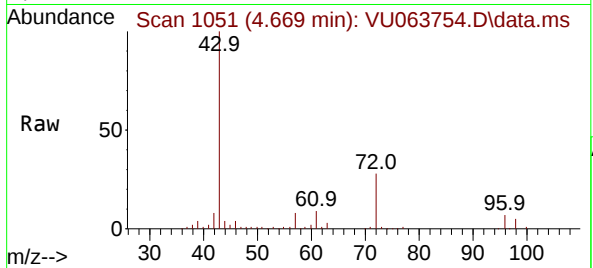




#22
2-Butanone
Concen: 94.196 ug/L
RT: 4.669 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

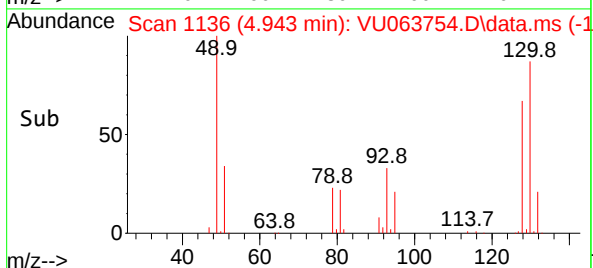
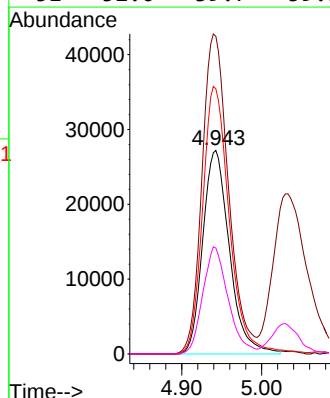
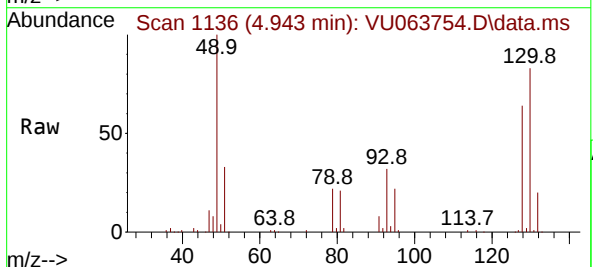
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

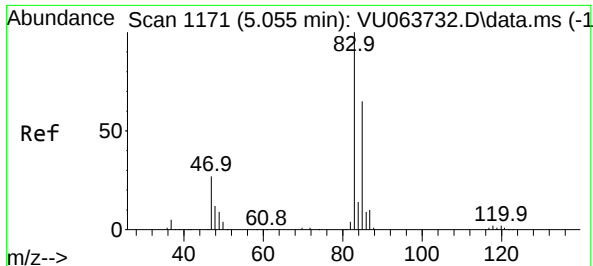
Tgt Ion: 43 Resp: 212384
Ion Ratio Lower Upper
43 100
72 25.2 13.6 40.7



#23
Bromochloromethane
Concen: 50.259 ug/L
RT: 4.943 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 128 Resp: 63054
Ion Ratio Lower Upper
128 100
49 156.0 113.5 210.7
130 130.2 89.8 166.8
51 52.0 39.7 59.5





#25

Chloroform

Concen: 51.487 ug/L

RT: 5.055 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

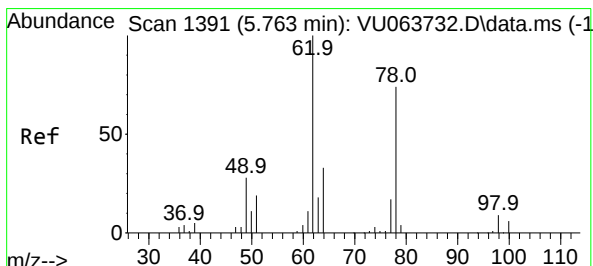
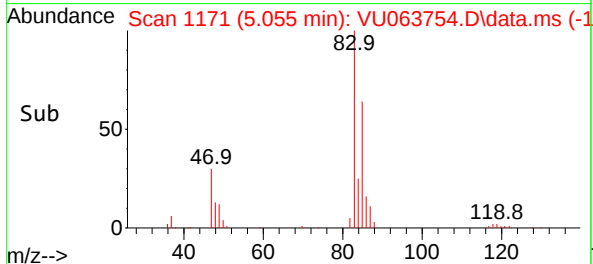
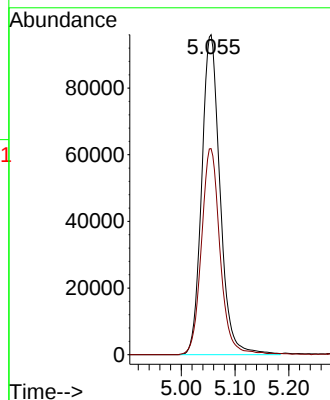
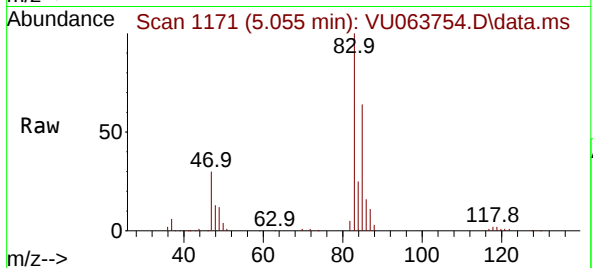
VSTD050115

Tgt Ion: 83 Resp: 227664

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 50.424 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VU063754.D

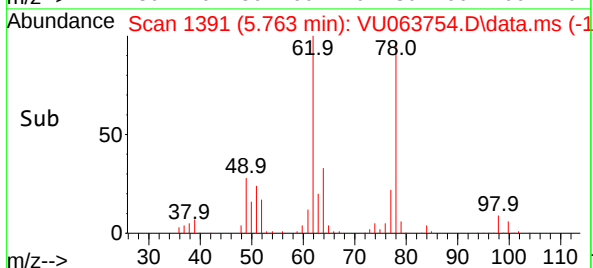
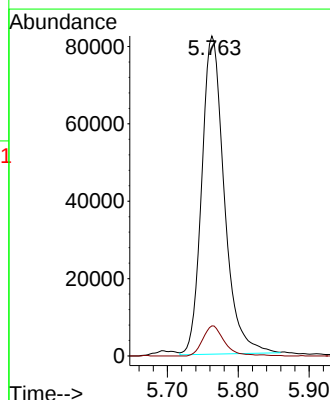
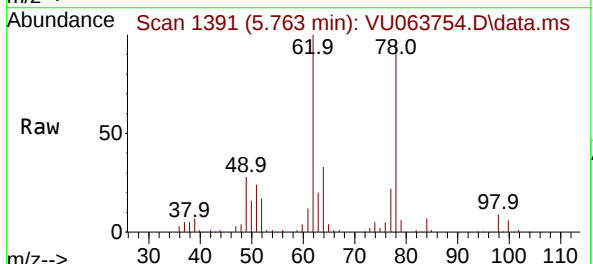
Acq: 21 Nov 2025 08:22

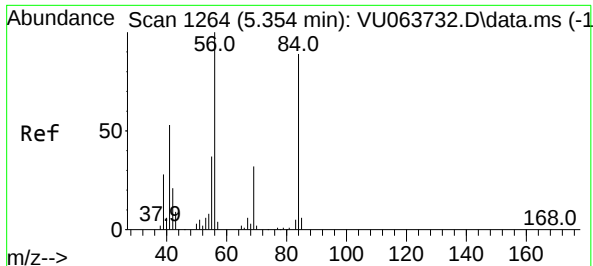
Tgt Ion: 62 Resp: 182016

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 49.835 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

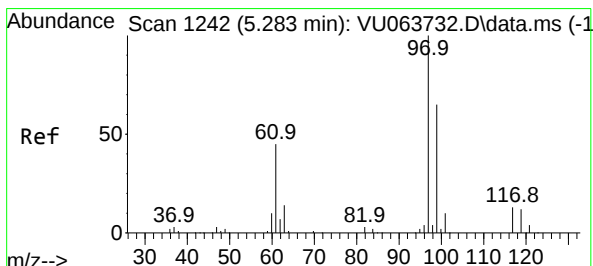
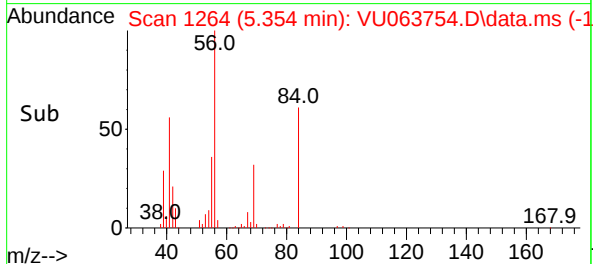
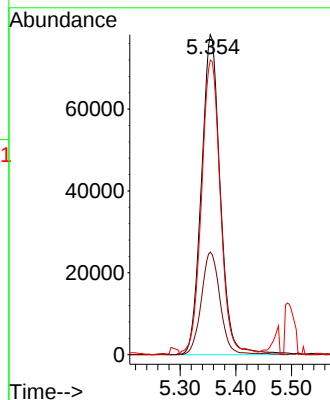
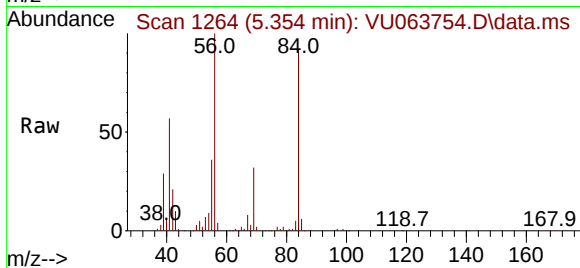
Tgt Ion: 56 Resp: 183585

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

84 91.1 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 49.849 ug/L

RT: 5.284 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

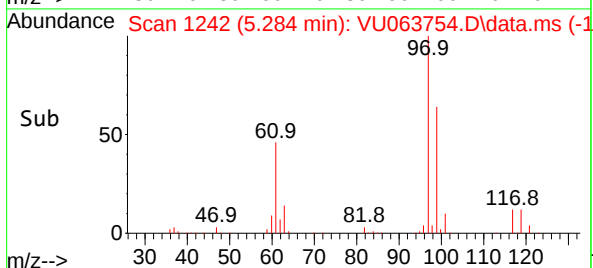
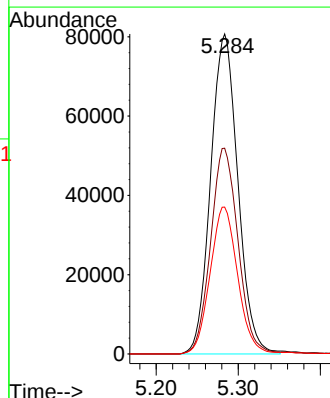
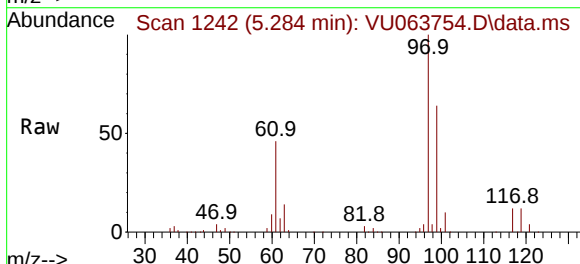
Tgt Ion: 97 Resp: 186374

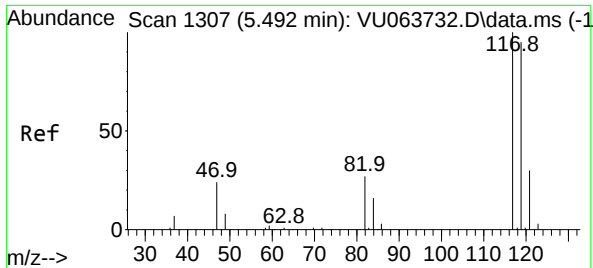
Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 46.4 37.2 55.8

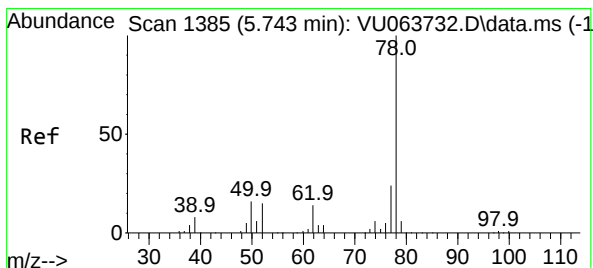
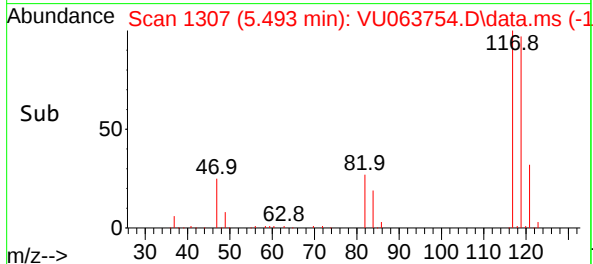
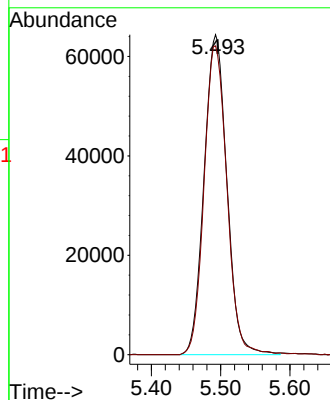
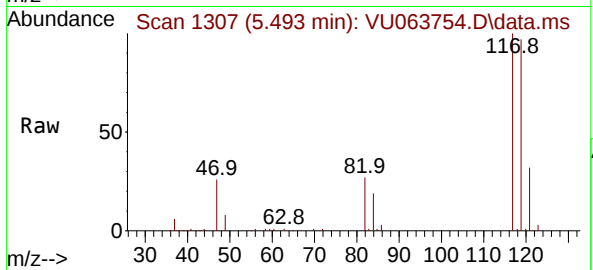




#31
Carbon tetrachloride
Concen: 50.094 ug/L
RT: 5.493 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

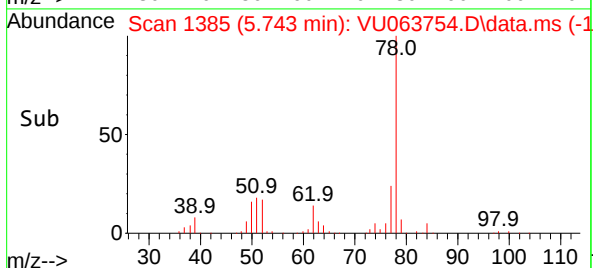
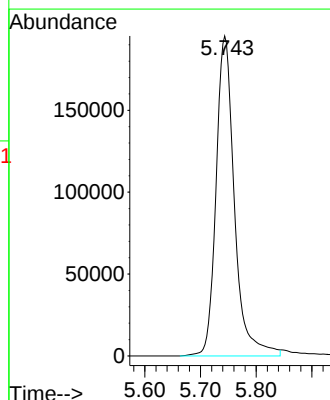
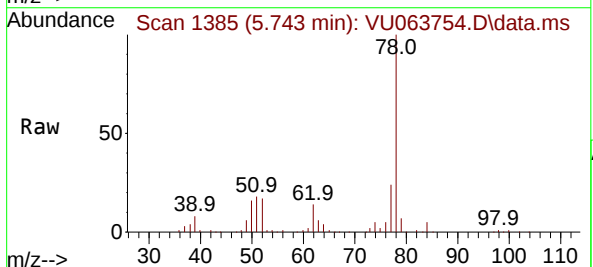
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

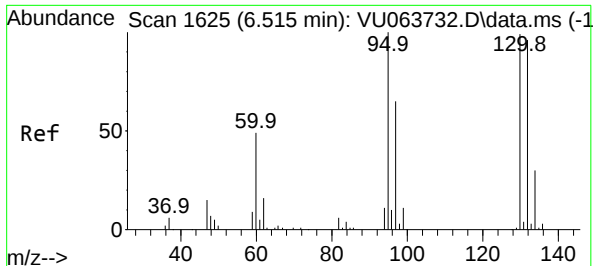
Tgt Ion:117 Resp: 147267
Ion Ratio Lower Upper
117 100
119 96.2 76.0 114.0



#33
Benzene
Concen: 50.245 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 78 Resp: 448691

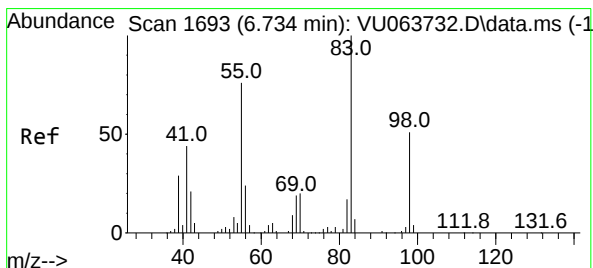
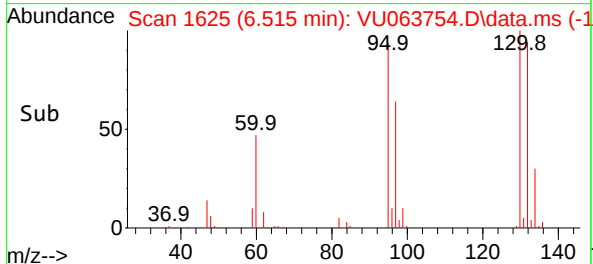
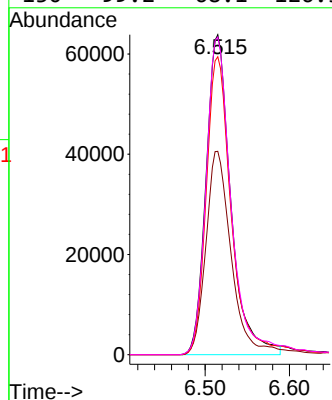
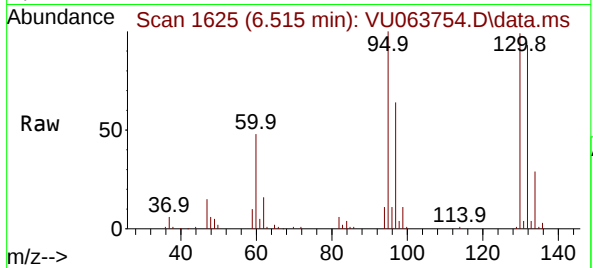




#34
Trichloroethene
Concen: 50.833 ug/L
RT: 6.515 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

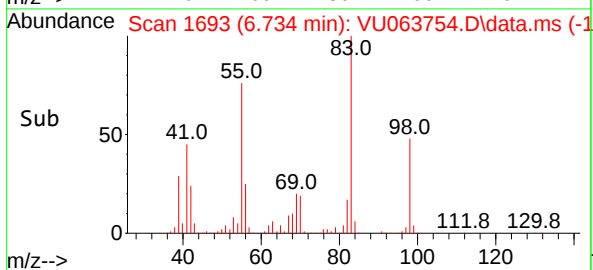
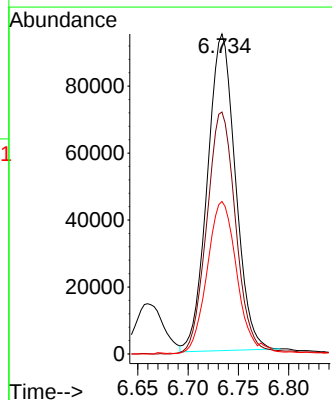
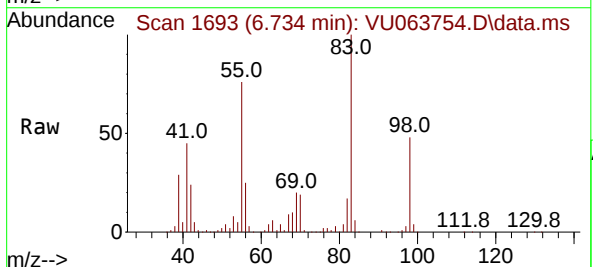
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

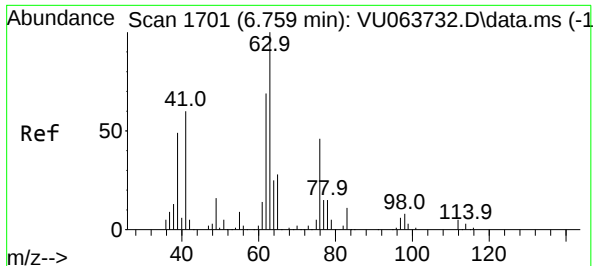
Tgt Ion: 95 Resp: 130864
Ion Ratio Lower Upper
95 100
97 63.5 45.1 83.9
132 93.1 68.3 126.8
130 99.2 68.1 126.5



#35
Methylcyclohexane
Concen: 48.588 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 83 Resp: 183620
Ion Ratio Lower Upper
83 100
55 79.2 60.9 91.3
98 49.8 39.7 59.5





#37

1,2-Dichloropropane

Concen: 50.296 ug/L

RT: 6.759 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

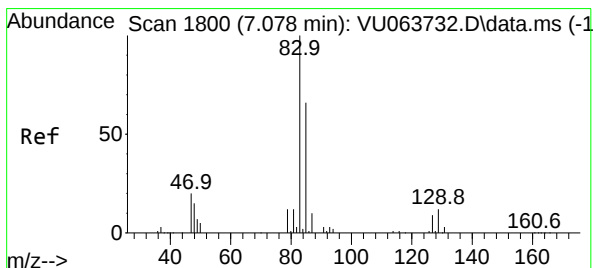
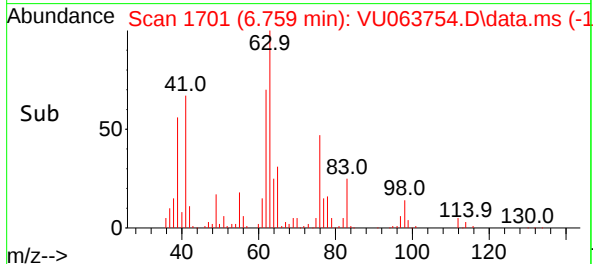
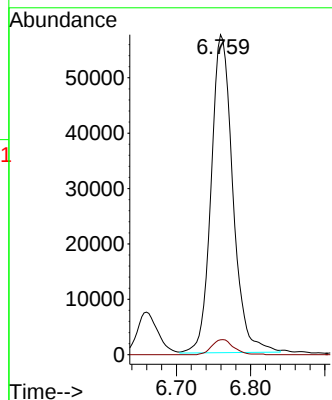
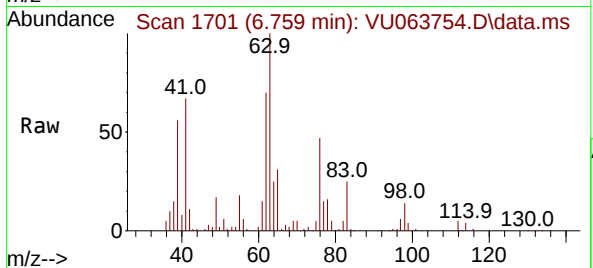
VSTD050115

Tgt Ion: 63 Resp: 116725

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 49.540 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

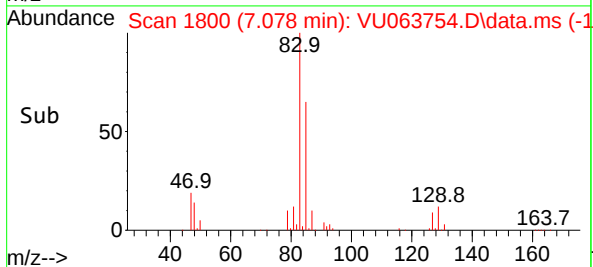
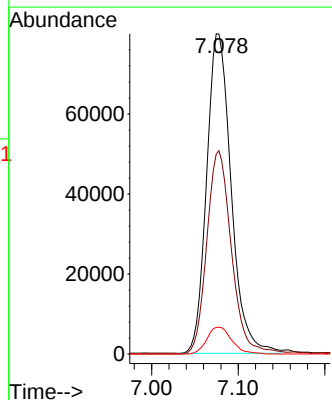
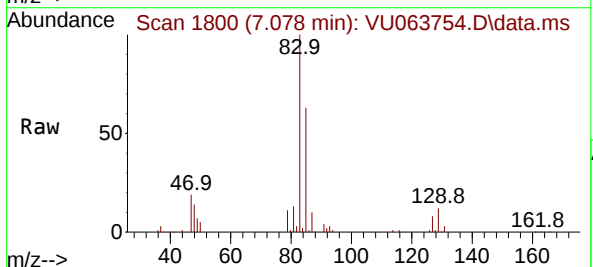
Tgt Ion: 83 Resp: 157434

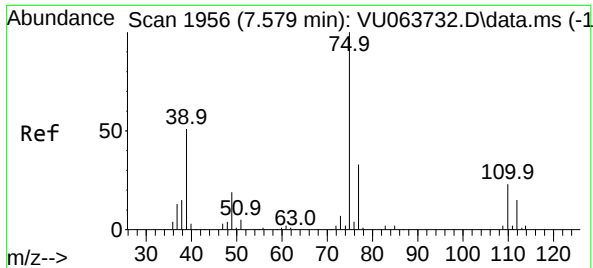
Ion Ratio Lower Upper

83 100

85 63.5 43.1 80.1

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 48.729 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

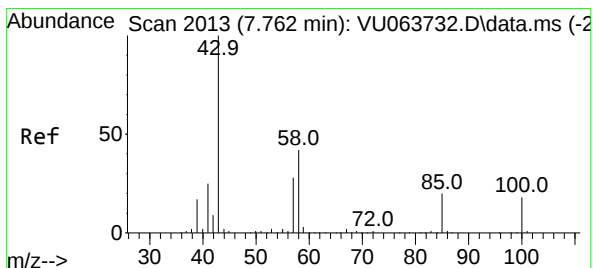
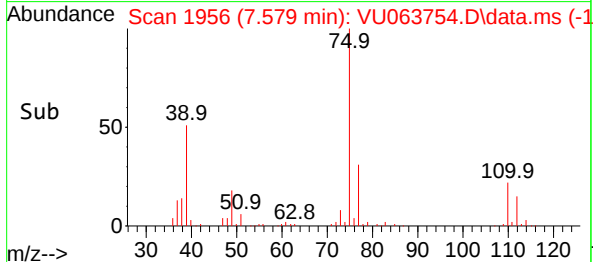
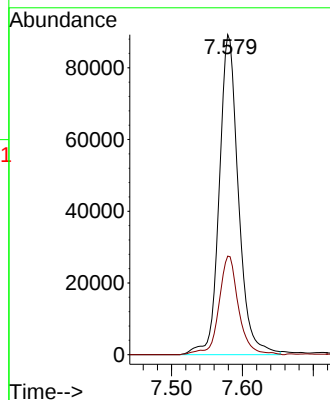
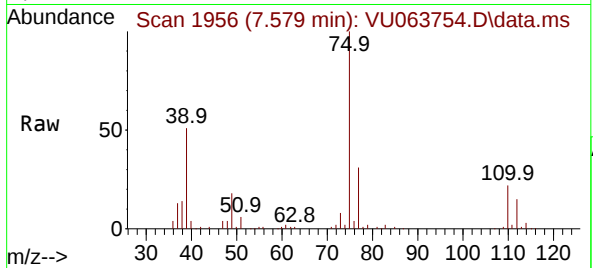
VSTD050115

Tgt Ion: 75 Resp: 167711

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 102.074 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

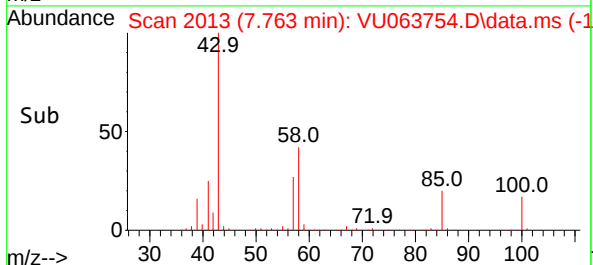
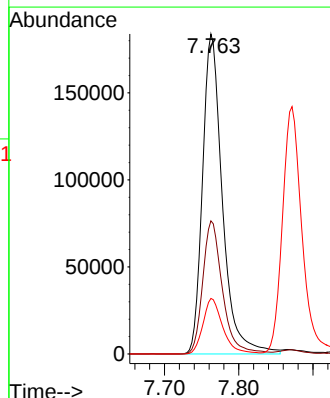
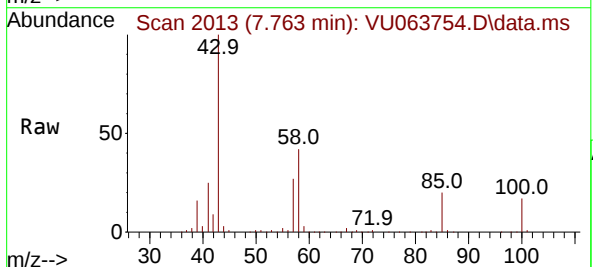
Tgt Ion: 43 Resp: 342887

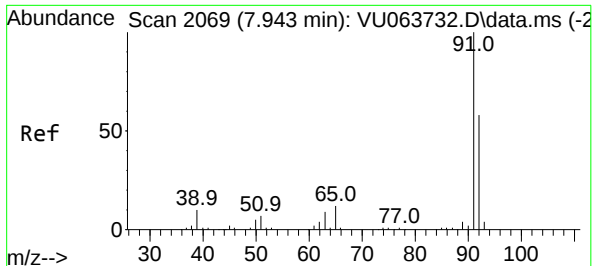
Ion Ratio Lower Upper

43 100

58 41.2 32.9 49.3

100 17.2 13.9 20.9

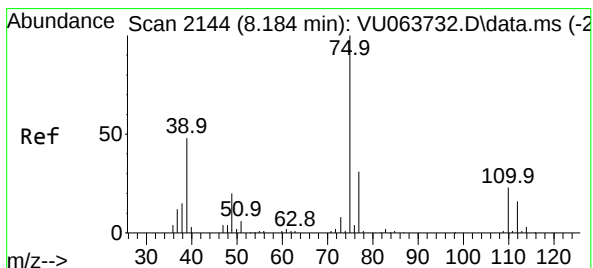
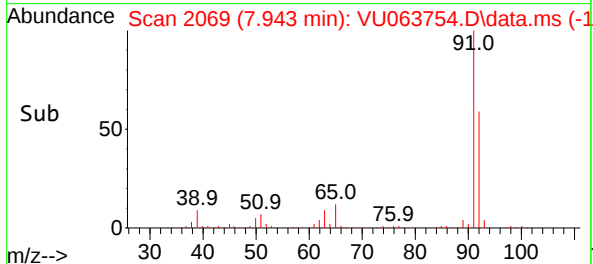
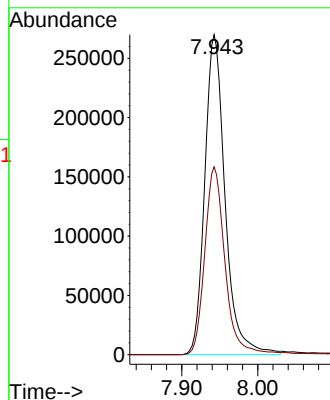
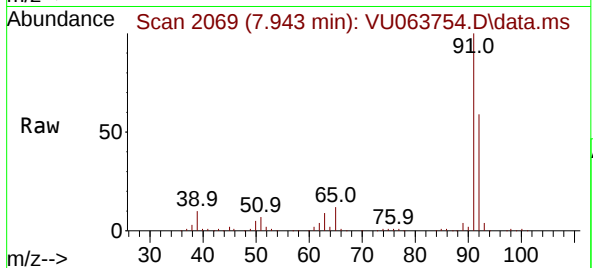




#42
Toluene
Concen: 50.795 ug/L
RT: 7.943 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

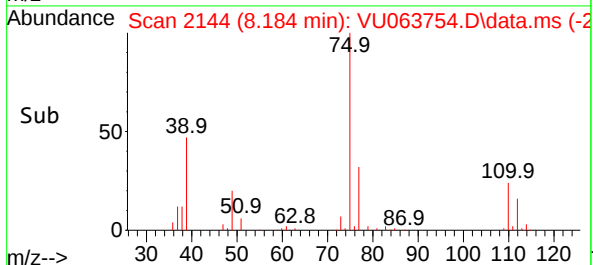
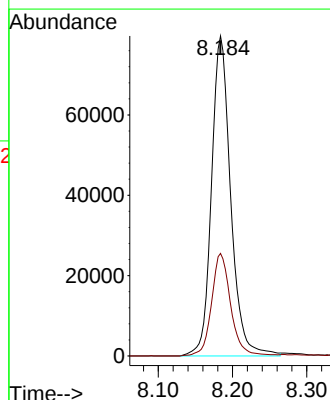
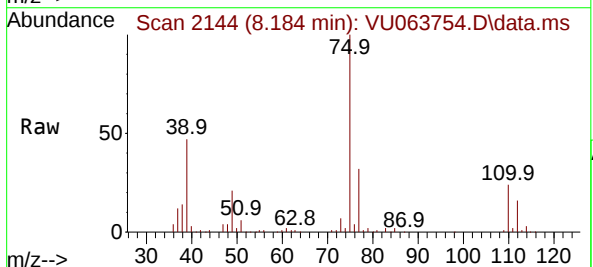
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

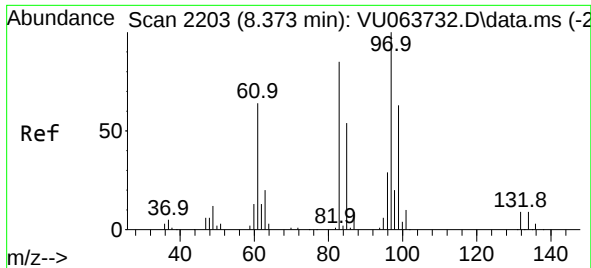
Tgt Ion: 91 Resp: 500776
Ion Ratio Lower Upper
91 100
92 58.7 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 47.649 ug/L
RT: 8.184 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 75 Resp: 143156
Ion Ratio Lower Upper
75 100
77 32.1 21.4 39.8



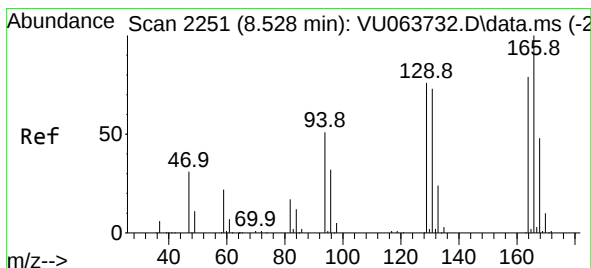
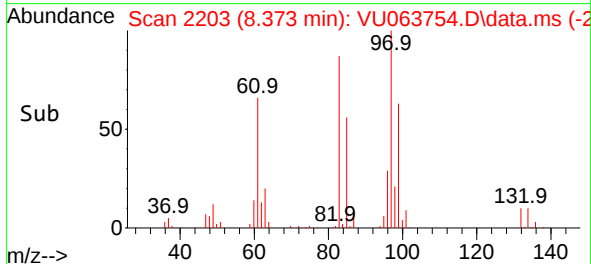
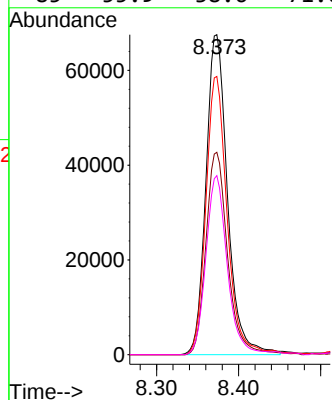
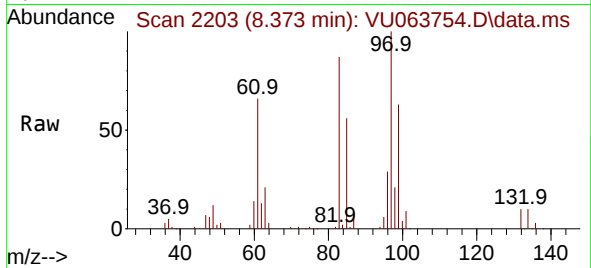


#45
1,1,2-Trichloroethane
Concen: 50.434 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion: 97 Resp: 123783

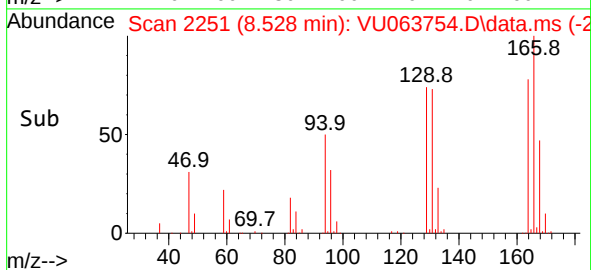
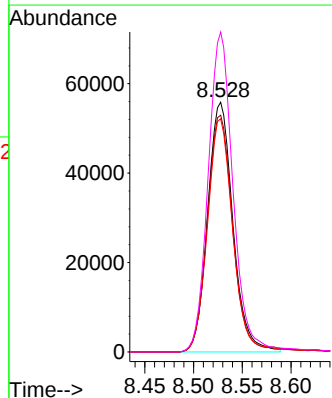
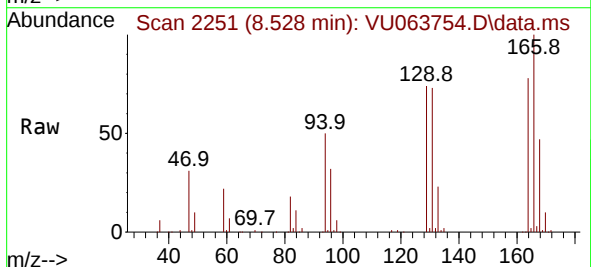
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.7	81.1
83	87.0	59.7	110.9
85	55.9	38.6	71.6

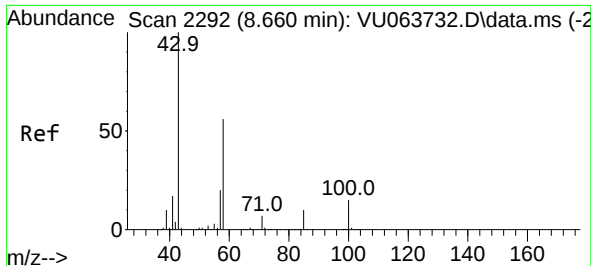


#46
Tetrachloroethene
Concen: 51.162 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 164 Resp: 100725

Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.5	127.3
131	93.3	64.3	119.3
166	128.1	89.5	166.1



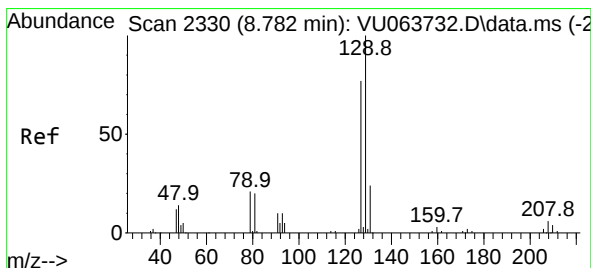
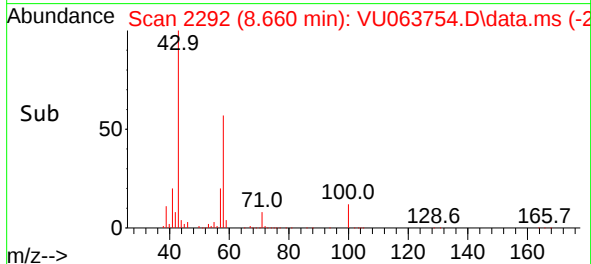
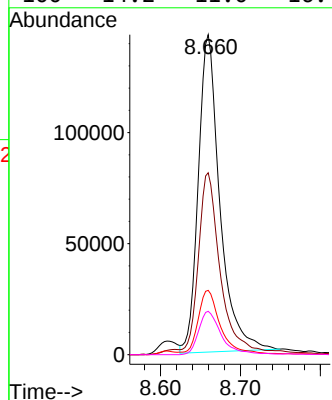
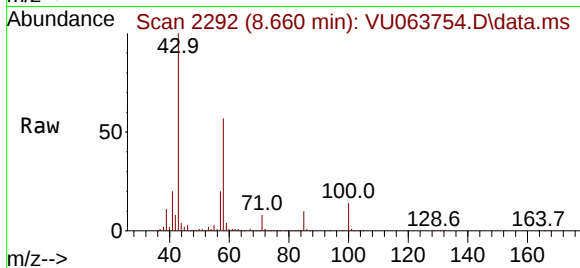


#48
2-Hexanone
Concen: 101.915 ug/L
RT: 8.660 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion: 43 Resp: 268708

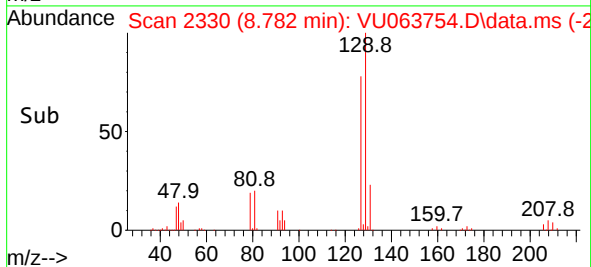
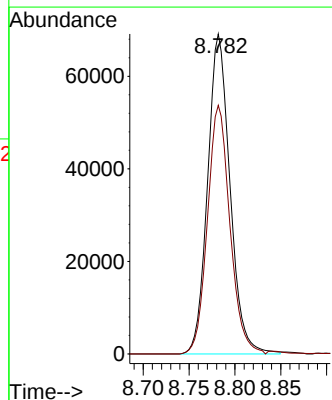
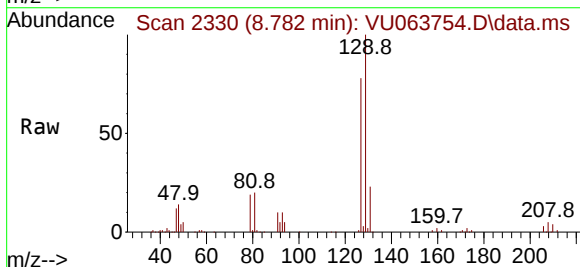
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.8	67.2
57	20.1	16.6	24.8
100	14.2	11.0	16.4

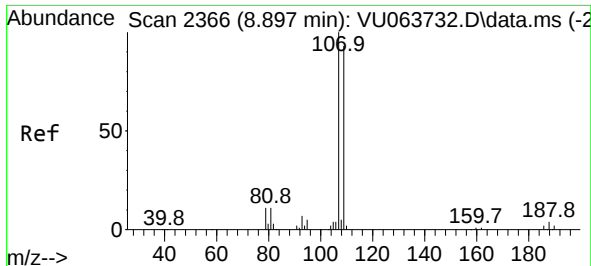


#49
Dibromochloromethane
Concen: 49.594 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 129 Resp: 117549

Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.4	99.2

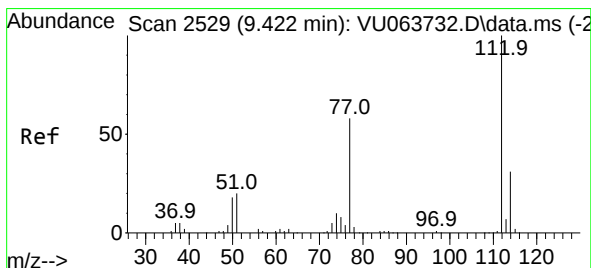
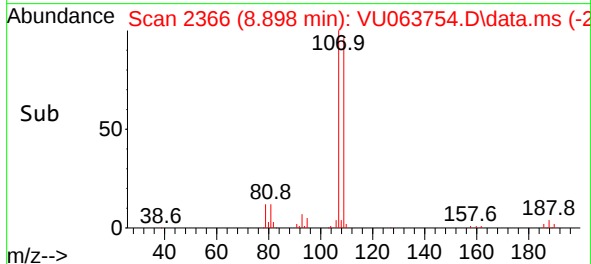
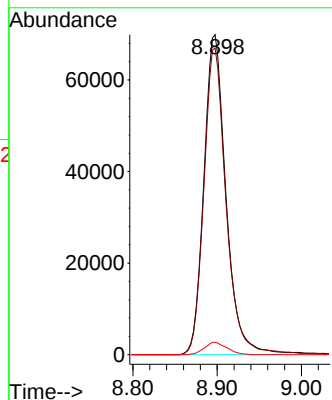
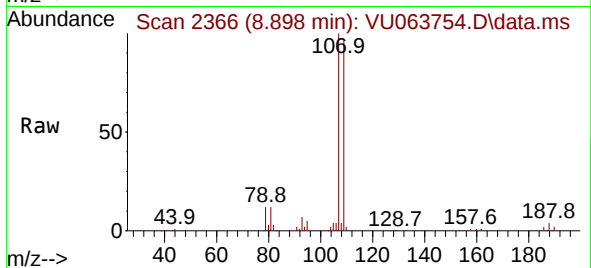




#50
1,2-Dibromoethane
Concen: 49.488 ug/L
RT: 8.898 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

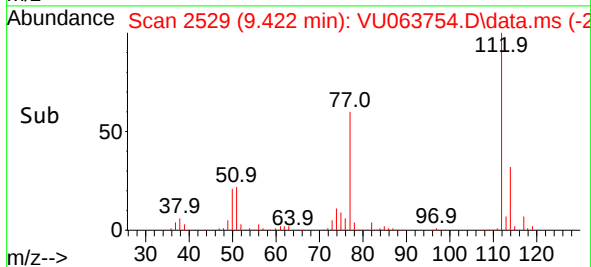
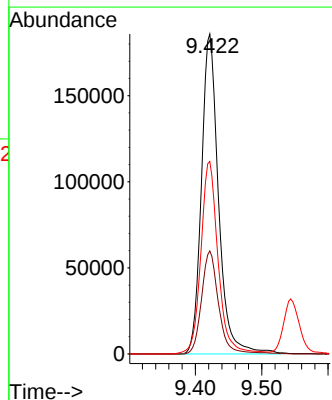
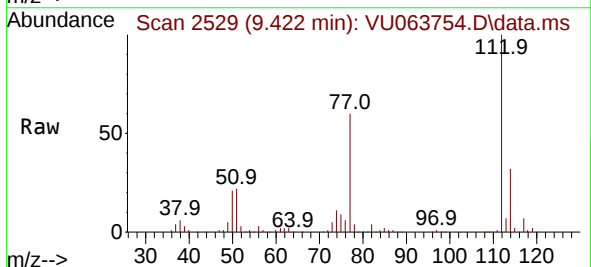
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

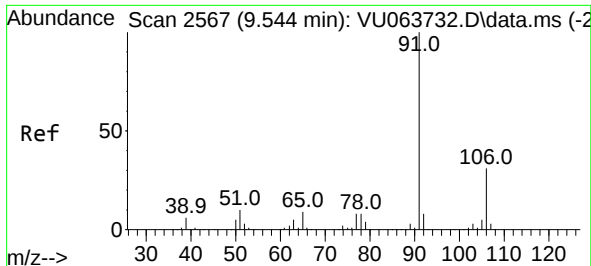
Tgt Ion:107 Resp: 127491
Ion Ratio Lower Upper
107 100
109 95.8 65.8 122.2
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 49.984 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion:112 Resp: 332545
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 60.1 48.0 72.0

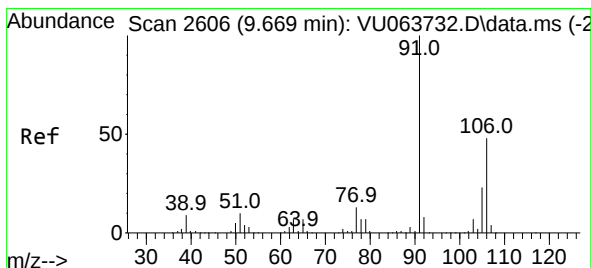
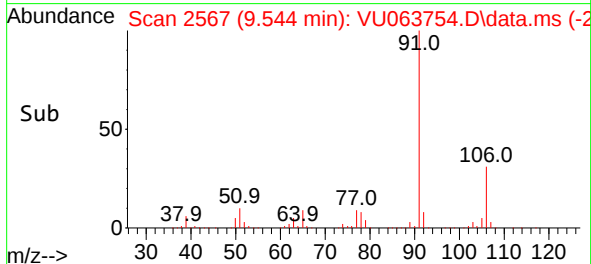
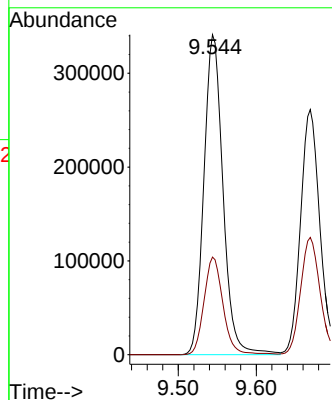
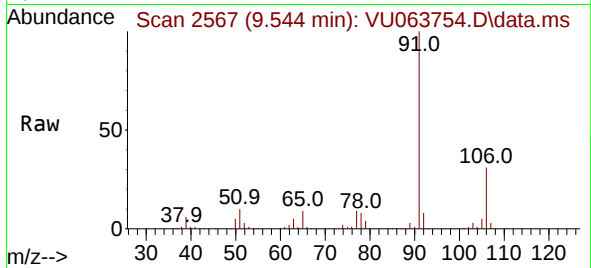




#52
Ethylbenzene
Concen: 50.670 ug/L
RT: 9.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

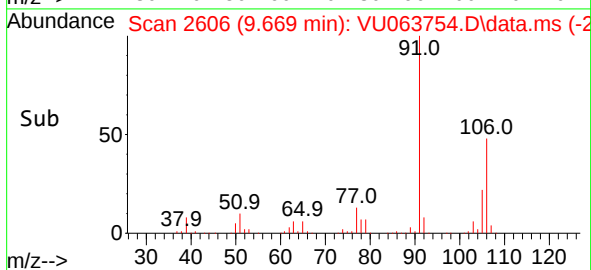
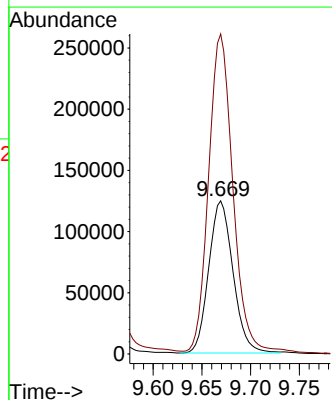
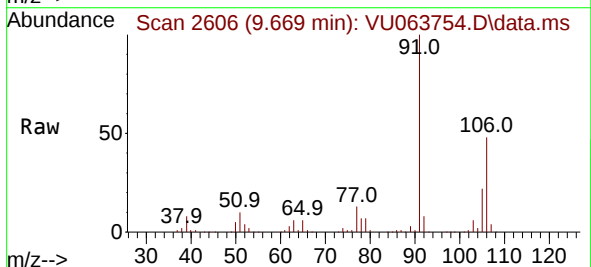
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

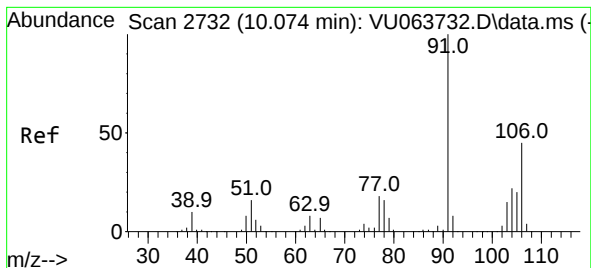
Tgt Ion: 91 Resp: 580045
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 49.433 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 106 Resp: 215687
Ion Ratio Lower Upper
106 100
91 208.9 143.6 266.6





#54

o-Xylene

Concen: 50.372 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

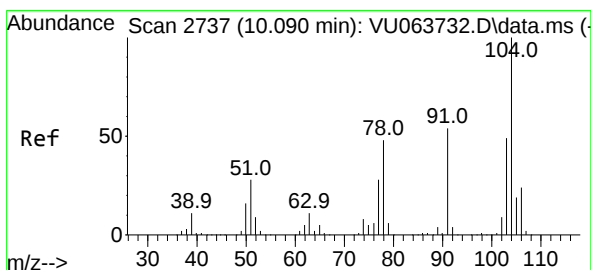
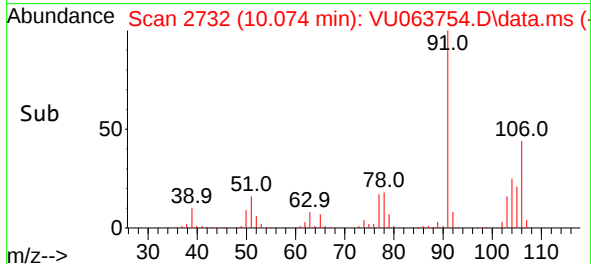
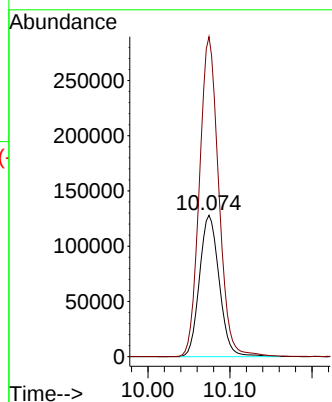
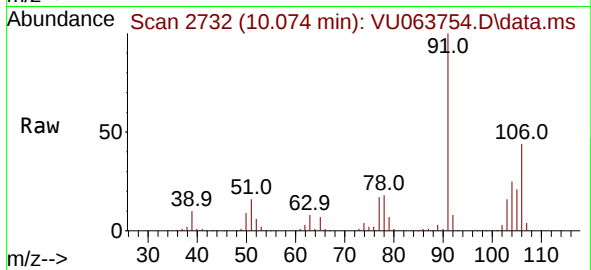
VSTD050115

Tgt Ion:106 Resp: 214036

Ion Ratio Lower Upper

106 100

91 226.3 156.0 289.6



#55

Styrene

Concen: 51.199 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063754.D

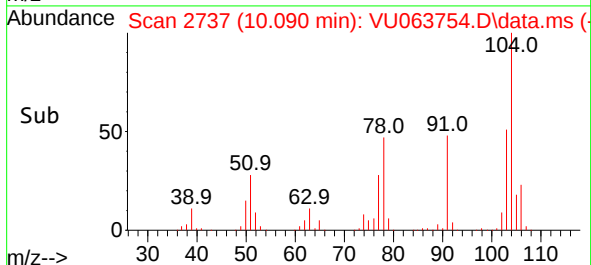
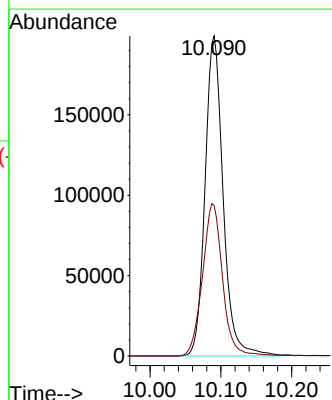
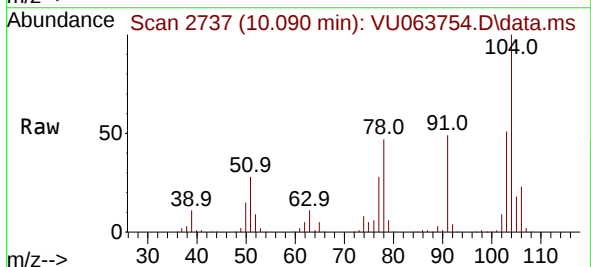
Acq: 21 Nov 2025 08:22

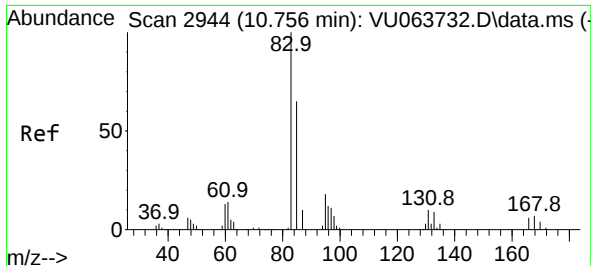
Tgt Ion:104 Resp: 352488

Ion Ratio Lower Upper

104 100

78 47.0 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 49.386 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

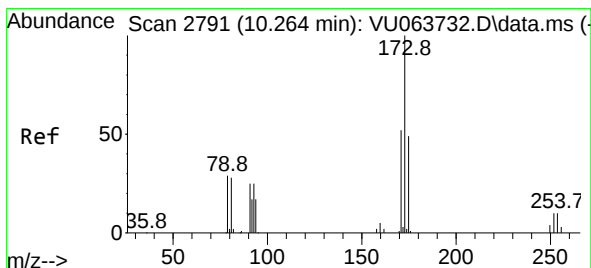
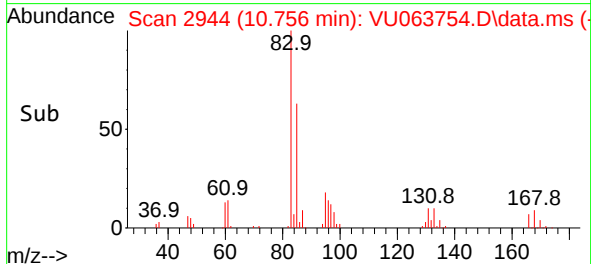
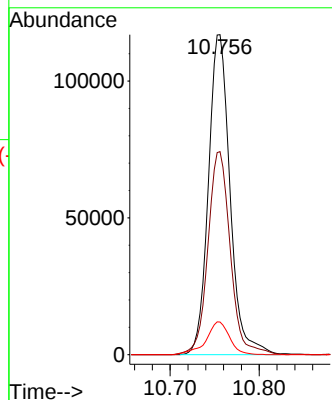
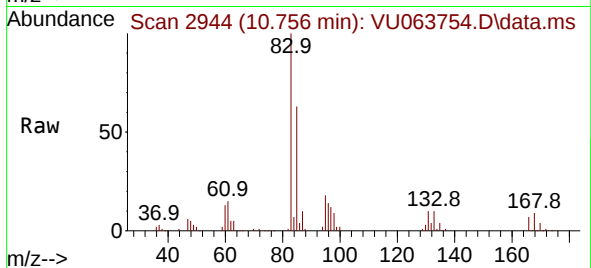
Tgt Ion: 83 Resp: 197417

Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9

131 10.2 7.4 11.2



#59

Bromoform

Concen: 50.483 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063754.D

Acq: 21 Nov 2025 08:22

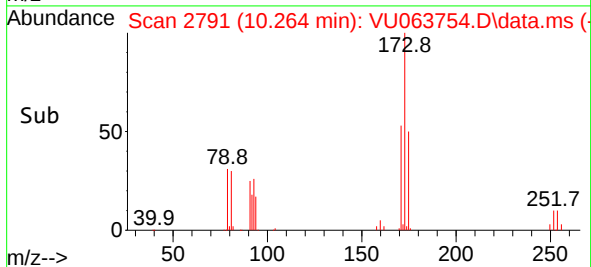
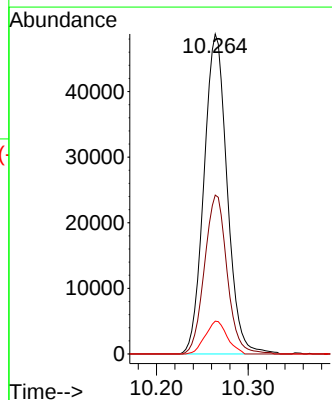
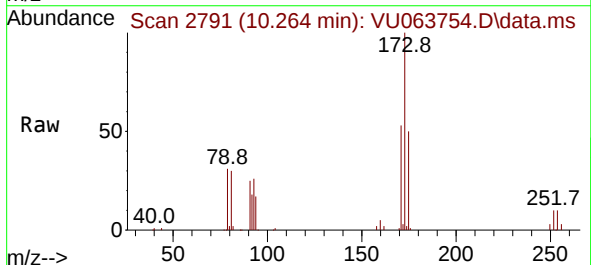
Tgt Ion:173 Resp: 85575

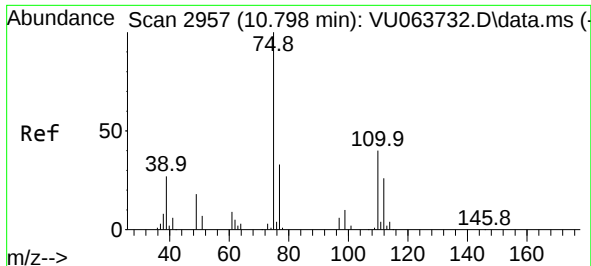
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.4

254 9.7 6.9 10.3

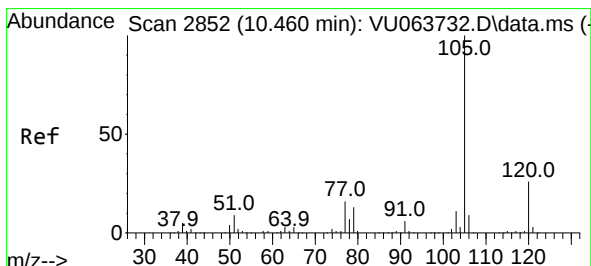
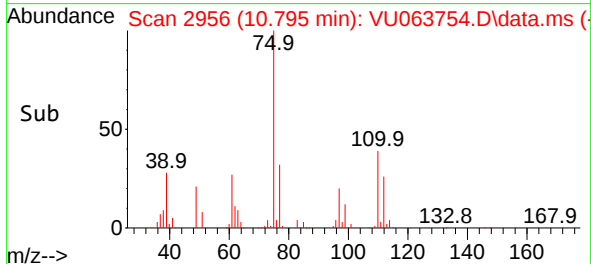
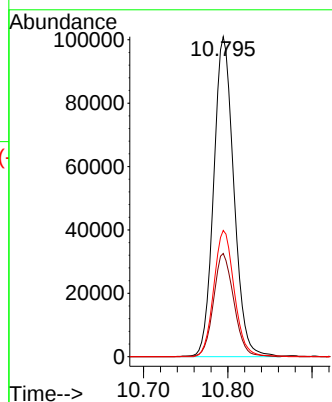
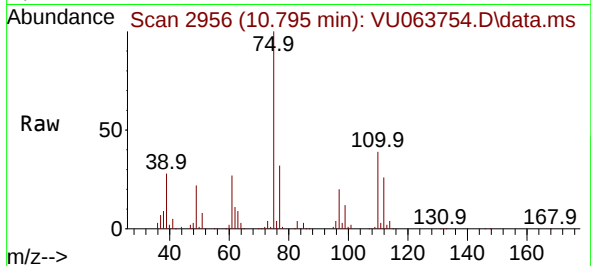




#60
1,2,3-Trichloropropane
Concen: 51.418 ug/L
RT: 10.795 min Scan# 2957
Delta R.T. -0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

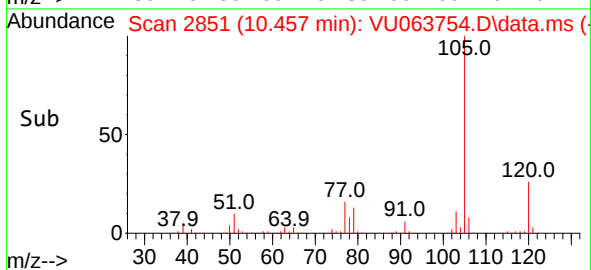
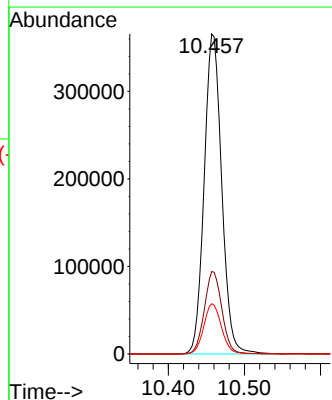
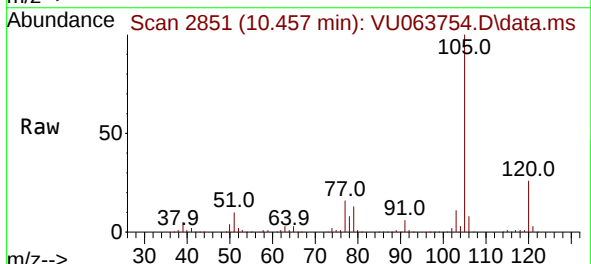
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

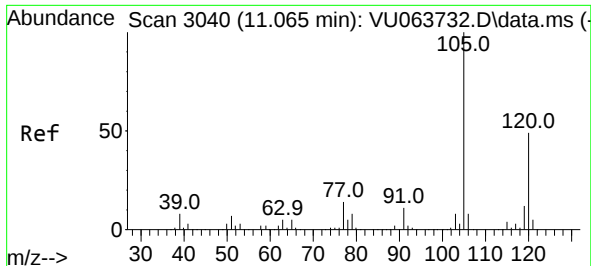
Tgt Ion: 75 Resp: 167513
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 40.1 32.3 48.5



#61
Isopropylbenzene
Concen: 51.961 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 105 Resp: 585117
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.9 12.9 19.3

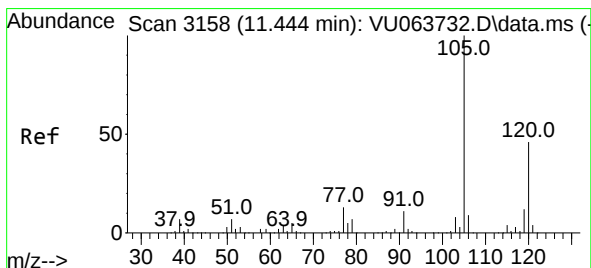
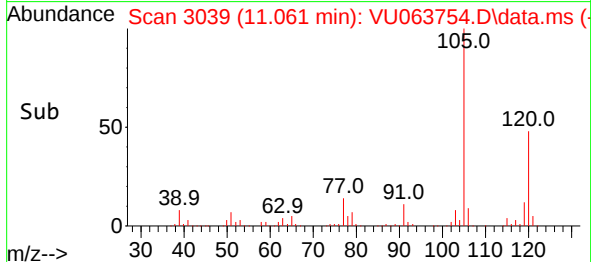
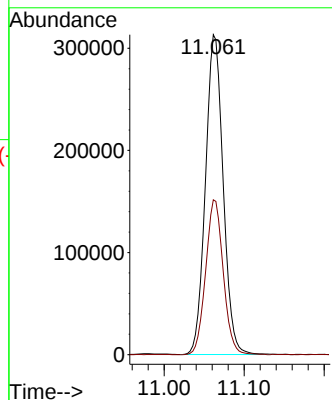
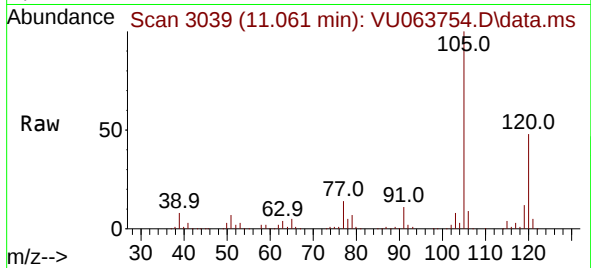




#62
1,3,5-Trimethylbenzene
Concen: 52.194 ug/L
RT: 11.061 min Scan# 3040
Delta R.T. -0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

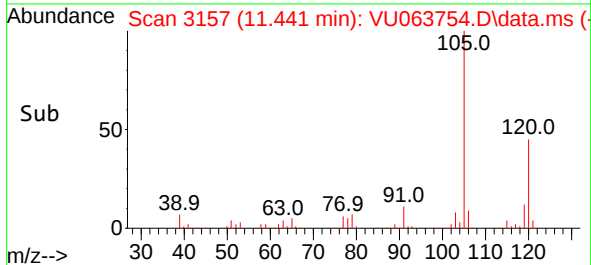
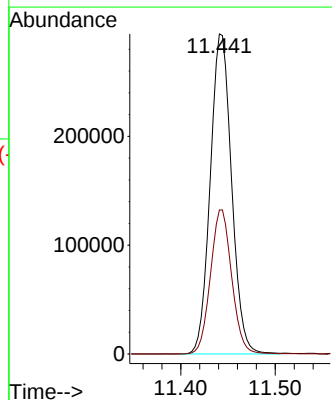
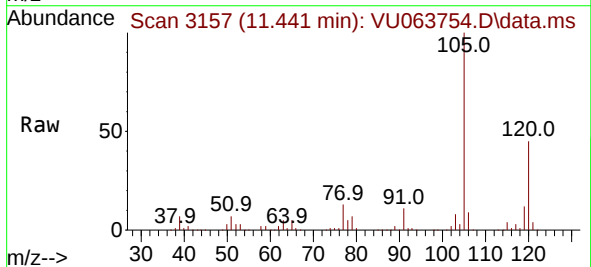
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

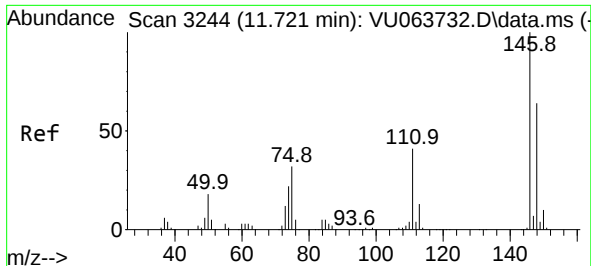
Tgt Ion:105 Resp: 483457
Ion Ratio Lower Upper
105 100
120 48.1 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 52.139 ug/L
RT: 11.441 min Scan# 3157
Delta R.T. -0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion:105 Resp: 460998
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

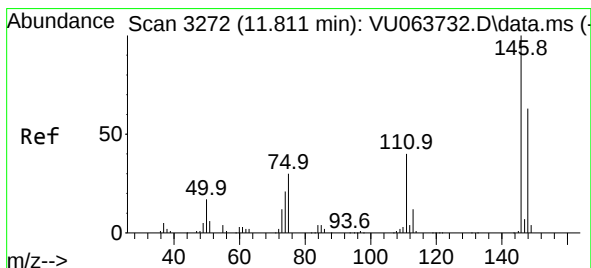
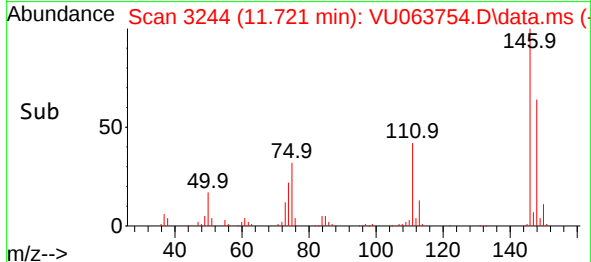
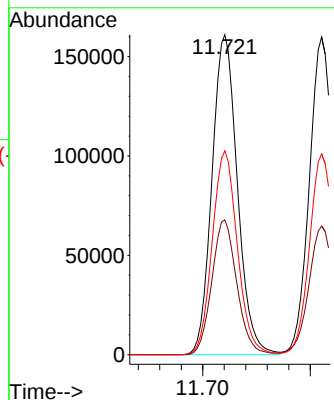
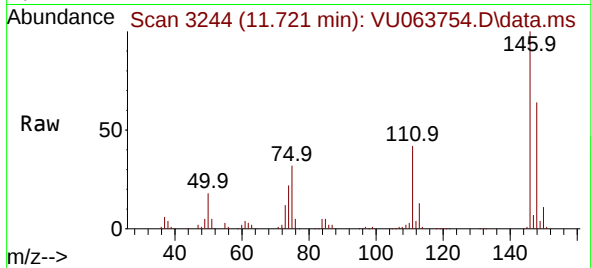




#64
1,3-Dichlorobenzene
Concen: 52.341 ug/L
RT: 11.721 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

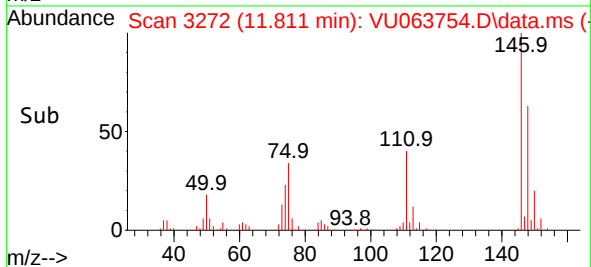
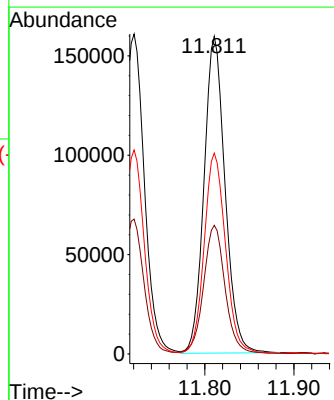
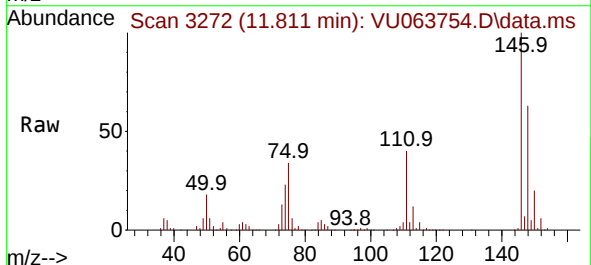
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

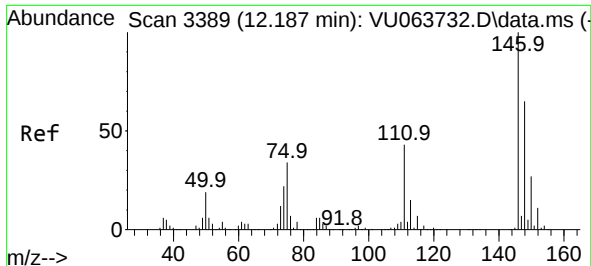
Tgt Ion:146 Resp: 264229
Ion Ratio Lower Upper
146 100
111 42.2 29.8 55.3
148 63.7 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 50.626 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion:146 Resp: 261767
Ion Ratio Lower Upper
146 100
111 40.5 28.8 53.4
148 63.2 44.9 83.3

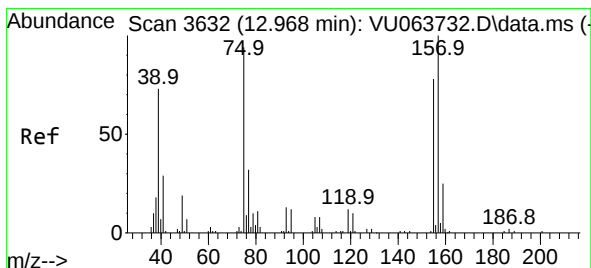
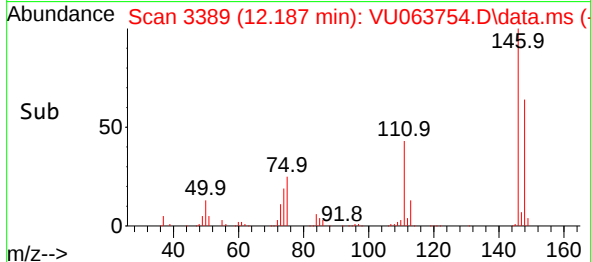
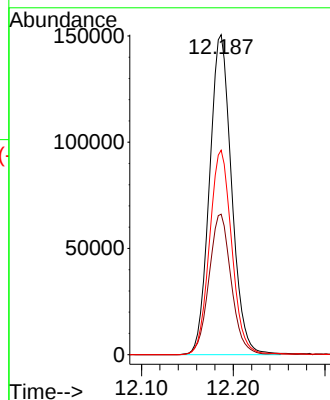
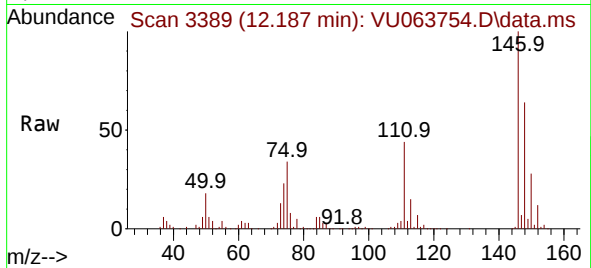




#67
1,2-Dichlorobenzene
Concen: 51.401 ug/L
RT: 12.187 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

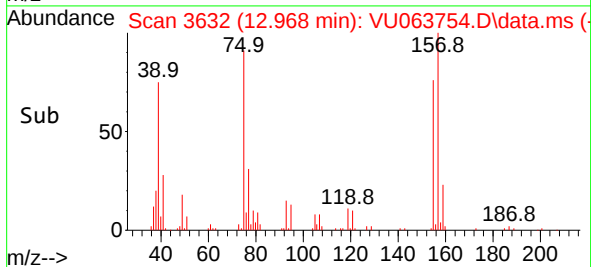
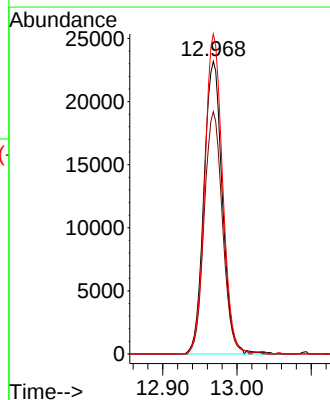
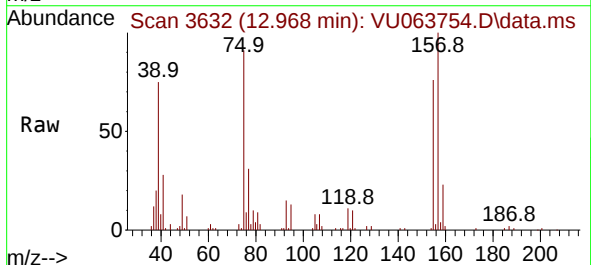
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

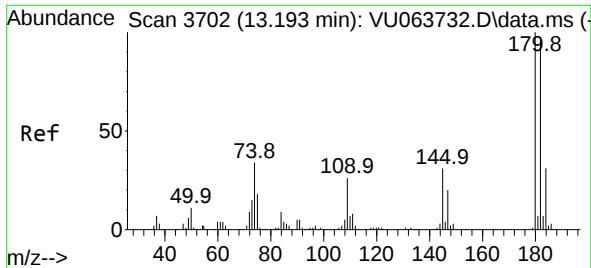
Tgt Ion:146 Resp: 251575
Ion Ratio Lower Upper
146 100
111 43.9 34.2 51.4
148 63.9 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 49.801 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion: 75 Resp: 40063
Ion Ratio Lower Upper
75 100
155 85.7 64.6 97.0
157 109.3 78.8 118.2

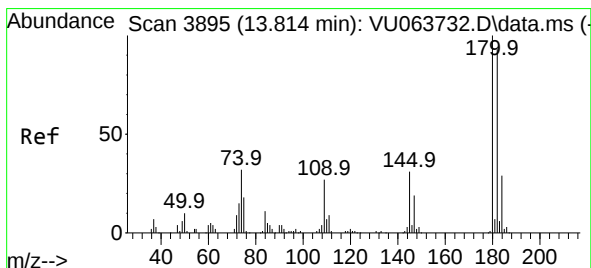
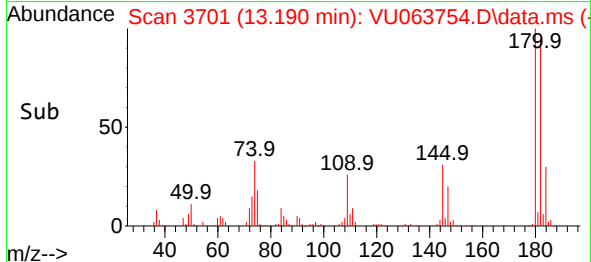
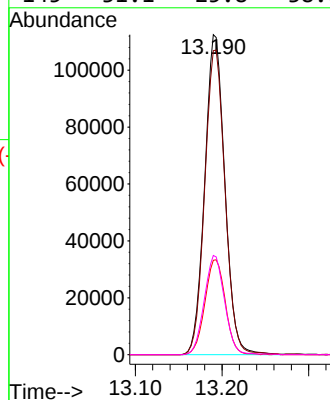
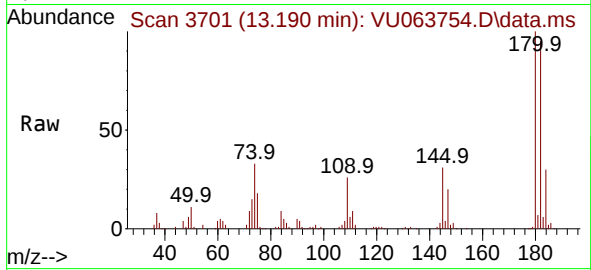




#69
 1,3,5-Trichlorobenzene
 Concen: 53.219 ug/L
 RT: 13.190 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063754.D
 Acq: 21 Nov 2025 08:22

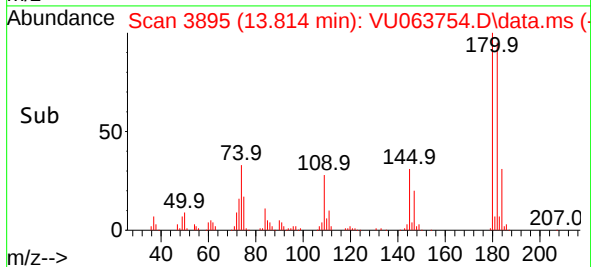
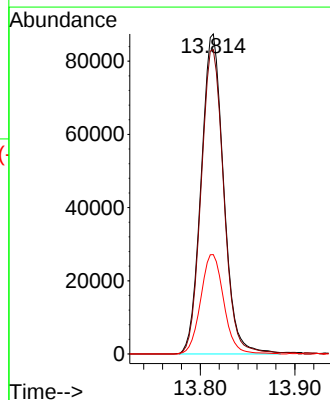
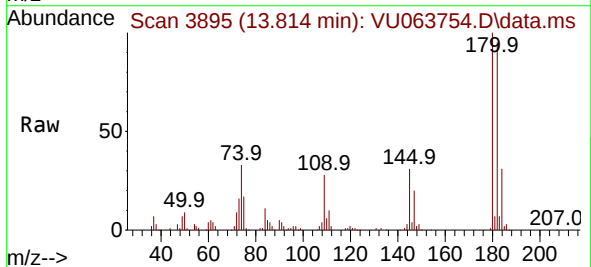
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

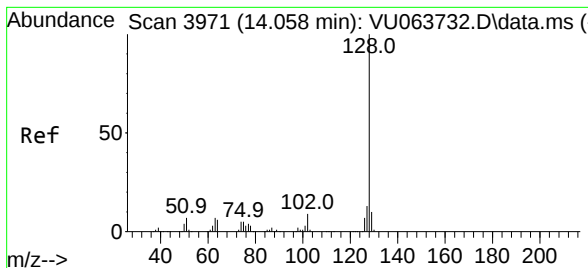
Tgt Ion:180 Resp: 181583
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.4 114.6
 184 29.9 24.4 36.6
 145 31.1 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 50.922 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.000 min
 Lab File: VU063754.D
 Acq: 21 Nov 2025 08:22

Tgt Ion:180 Resp: 144878
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.8
 145 31.7 25.7 38.5

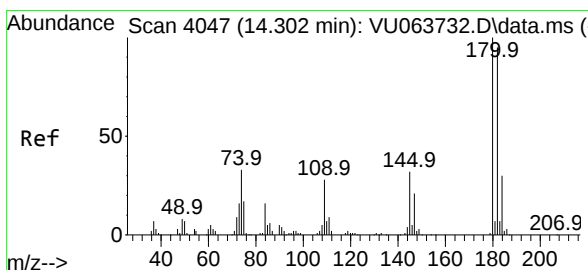
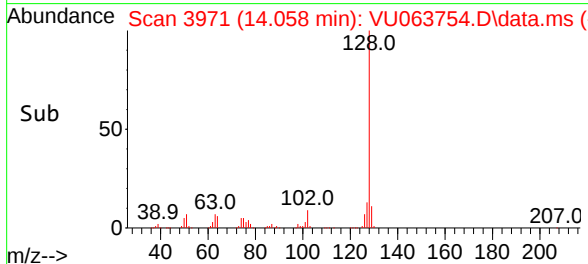
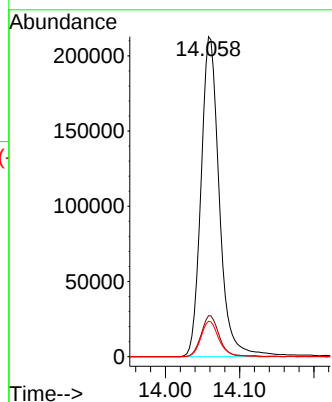
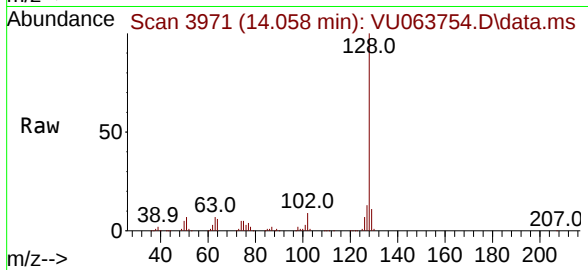




#71
Naphthalene
Concen: 48.191 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion:128 Resp: 364885
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.471 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. -0.003 min
Lab File: VU063754.D
Acq: 21 Nov 2025 08:22

Tgt Ion:180 Resp: 133402
Ion Ratio Lower Upper
180 100
182 95.6 76.9 115.3
145 34.6 26.6 39.8

