

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063768.D
 Acq On : 21 Nov 2025 14:33
 Operator : MD/SY
 Sample : Q3688-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

Quant Time: Nov 21 22:31:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	323065	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	322908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	177337	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124984	44.801	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.600%
7) Chloroethane-d5	1.891	69	99965	46.510	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.020%
11) 1,1-Dichloroethene-d2	2.541	63	227097	46.962	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.920%
21) 2-Butanone-d5	4.595	46	150940	94.905	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.900%
24) Chloroform-d	5.029	84	230925	49.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.680%
26) 1,2-Dichloroethane-d4	5.669	65	149088	48.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
32) Benzene-d6	5.695	84	429004	45.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.660%
36) 1,2-Dichloropropane-d6	6.660	67	126953	45.689	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.380%
41) Toluene-d8	7.872	98	404937	45.059	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	8.155	79	49506	43.114	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.220%
47) 2-Hexanone-d5	8.608	63	96430	95.450	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.450%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	194004	47.744	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.480%
66) 1,2-Dichlorobenzene-d4	12.167	152	163167	48.740	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93824	49.901	ug/L	100
3) Chloromethane	1.509	50	100439	47.213	ug/L	99
5) Vinyl chloride	1.589	62	123564	49.955	ug/L	100
6) Bromomethane	1.837	94	81841	52.211	ug/L	96
8) Chloroethane	1.914	64	82792	50.145	ug/L	98
9) Trichlorofluoromethane	2.116	101	204395	52.392	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	115376	50.037	ug/L	100
12) 1,1-Dichloroethene	2.554	96	102611	48.657	ug/L	92
13) Acetone	2.605	43	126830	58.924	ug/L	99
14) Carbon disulfide	2.766	76	226780	41.284	ug/L	98
15) Methyl Acetate	2.923	43	132180	51.139	ug/L	99
16) Methylene chloride	3.017	84	122560	49.853	ug/L	99
17) trans-1,2-Dichloroethene	3.322	96	109976	48.913	ug/L	92
18) Methyl tert-butyl Ether	3.335	73	385418	50.651	ug/L	99
19) 1,1-Dichloroethane	3.833	63	216764	50.033	ug/L	97
20) cis-1,2-Dichloroethene	4.631	96	130575	50.453	ug/L	99
22) 2-Butanone	4.673	43	182417	76.284	ug/L	99
23) Bromochloromethane	4.939	128	69024	51.875	ug/L	98
25) Chloroform	5.052	83	242236	51.654	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063768.D
 Acq On : 21 Nov 2025 14:33
 Operator : MD/SY
 Sample : Q3688-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

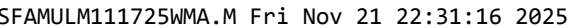
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

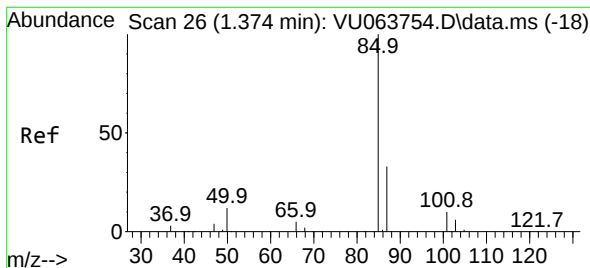
Quant Time: Nov 21 22:31:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	202185	52.813	ug/L	99
29) Cyclohexane	5.354	56	193150	47.541	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	197970	48.012	ug/L	99
31) Carbon tetrachloride	5.492	117	157922	48.707	ug/L	98
33) Benzene	5.743	78	496473	50.410	ug/L	100
34) Trichloroethene	6.515	95	138387	48.741	ug/L	99
35) Methylcyclohexane	6.734	83	196861	47.233	ug/L	100
37) 1,2-Dichloropropane	6.759	63	130666	51.051	ug/L	100
38) Bromodichloromethane	7.078	83	170425	48.625	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	179172	47.203	ug/L	100
40) 4-Methyl-2-pentanone	7.762	43	369297	99.682	ug/L	100
42) Toluene	7.943	91	541426	49.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	146953	44.351	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	133367	49.271	ug/L	98
46) Tetrachloroethene	8.528	164	103546	47.689	ug/L	99
48) 2-Hexanone	8.660	43	268767	92.429	ug/L	97
49) Dibromochloromethane	8.782	129	121427	46.452	ug/L	95
50) 1,2-Dibromoethane	8.897	107	139372	49.053	ug/L	98
51) Chlorobenzene	9.422	112	358201	48.818	ug/L	99
52) Ethylbenzene	9.544	91	616312	48.816	ug/L	99
53) m,p-Xylene	9.669	106	235068	48.849	ug/L	100
54) o-Xylene	10.074	106	232243	49.559	ug/L	94
55) Styrene	10.090	104	381437	50.236	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	218201	49.494	ug/L	99
59) Bromoform	10.264	173	88728	44.057	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	185026	47.803	ug/L	99
61) Isopropylbenzene	10.457	105	619805	46.329	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	517725	47.045	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	483322	46.011	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	271329	45.239	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	277716	45.208	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	268771	46.222	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	42902	44.888	ug/L	90
69) 1,3,5-Trichlorobenzene	13.193	180	182848	45.107	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	146017	43.198	ug/L	99
71) Naphthalene	14.058	128	409847	45.561	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	139381	43.506	ug/L	98

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

Quant Time: Nov 21 22:31:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

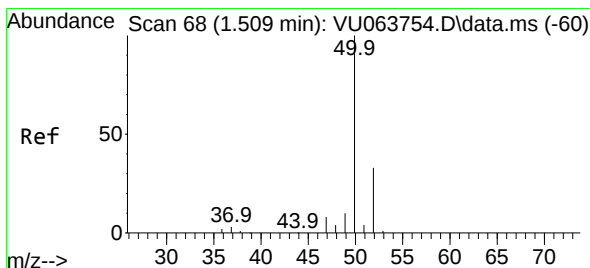
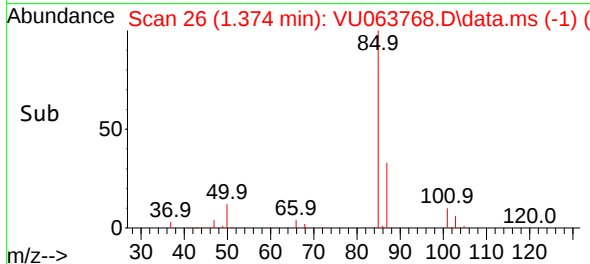
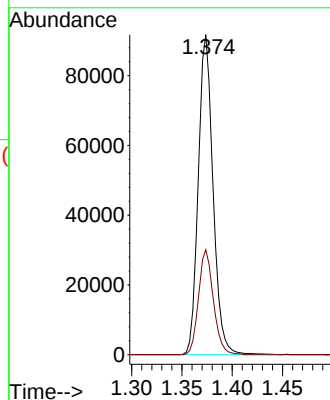
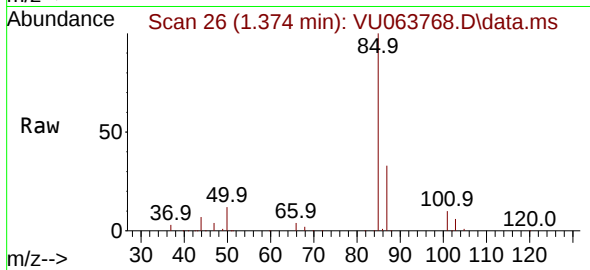




#2
 Dichlorodifluoromethane
 Concen: 49.901 ug/L
 RT: 1.374 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

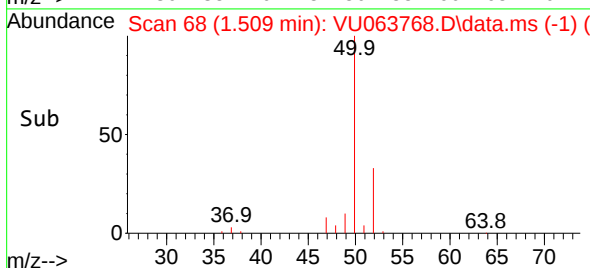
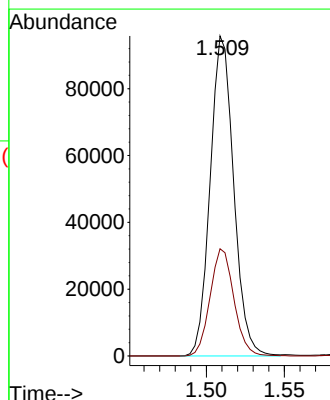
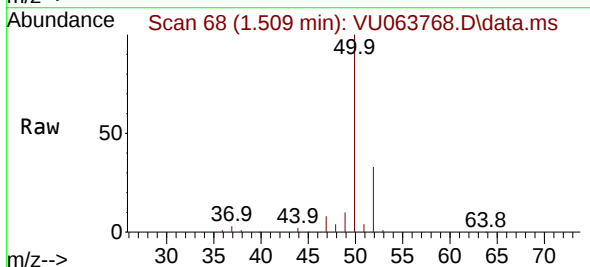
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

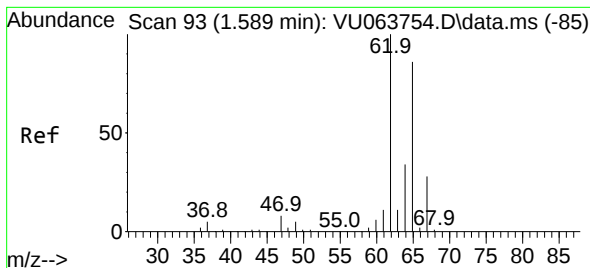
Tgt Ion: 85 Resp: 93824
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2



#3
 Chloromethane
 Concen: 47.213 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. -0.000 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

Tgt Ion: 50 Resp: 100439
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.2 43.2





#5

Vinyl chloride

Concen: 49.955 ug/L

RT: 1.589 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

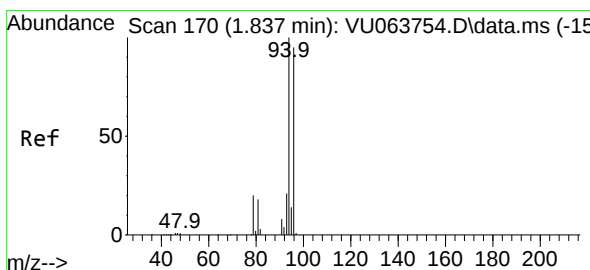
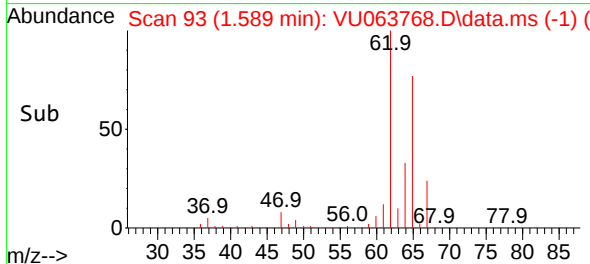
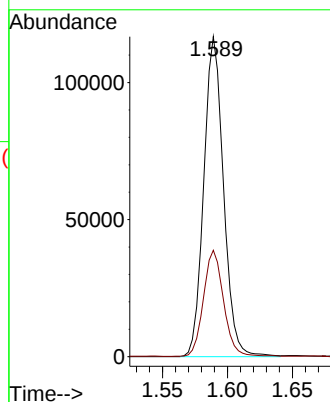
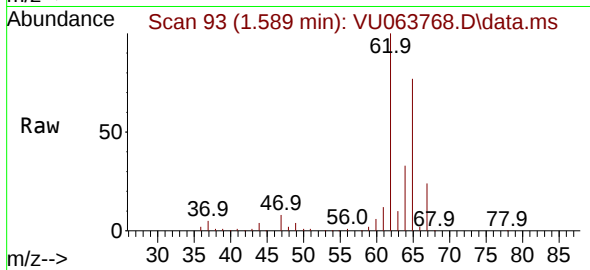
M-31SMS

Tgt Ion: 62 Resp: 123564

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 52.211 ug/L

RT: 1.837 min Scan# 170

Delta R.T. -0.000 min

Lab File: VU063768.D

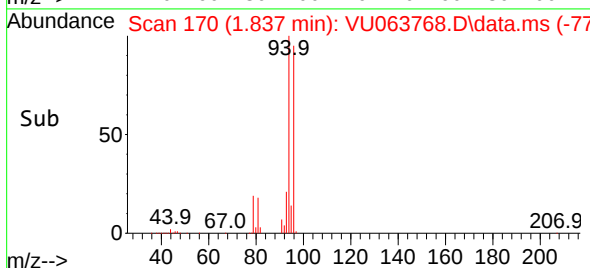
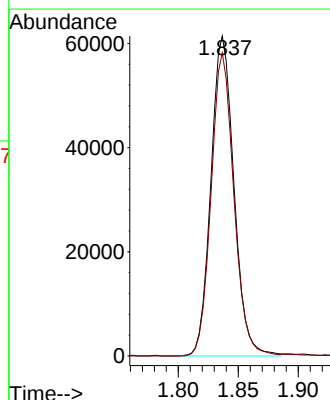
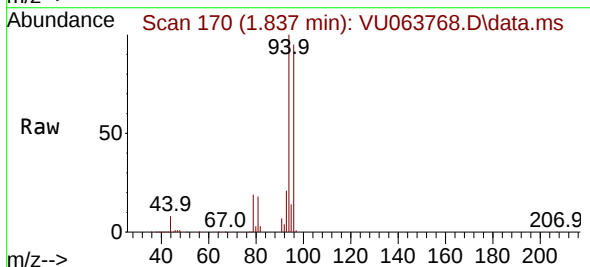
Acq: 21 Nov 2025 14:33

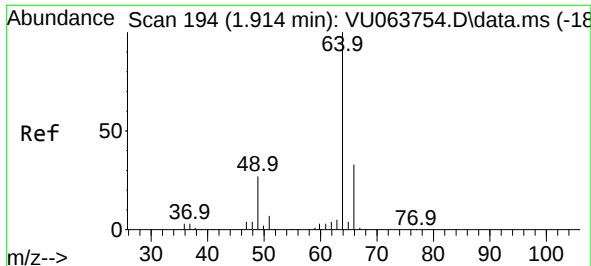
Tgt Ion: 94 Resp: 81841

Ion Ratio Lower Upper

94 100

96 94.7 63.8 118.4

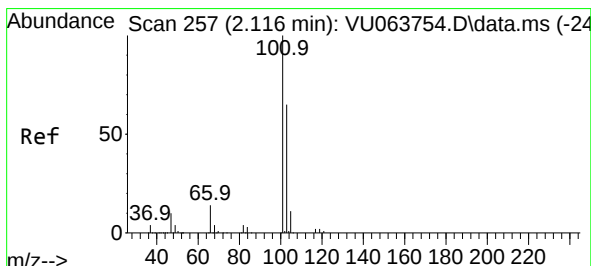
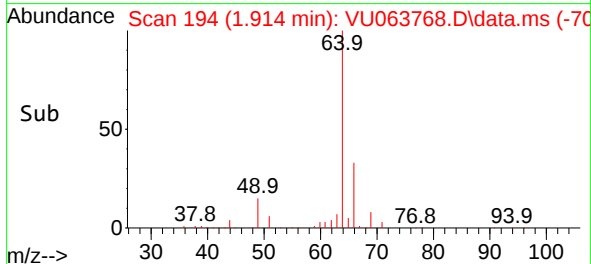
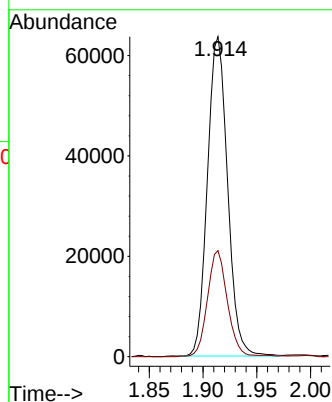
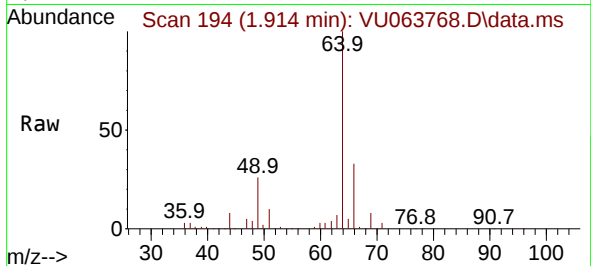




#8
Chloroethane
Concen: 50.145 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

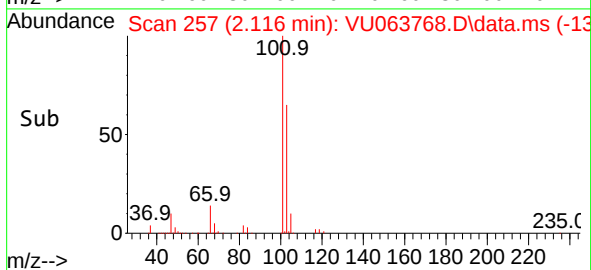
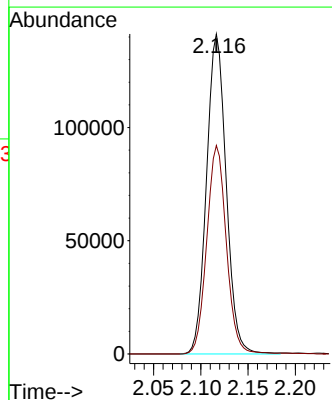
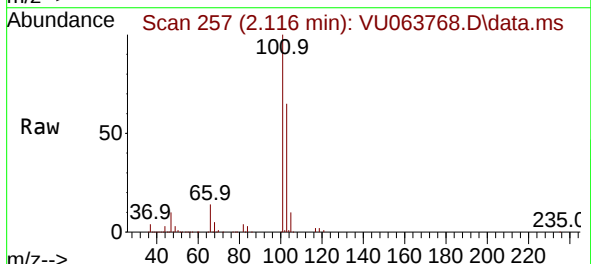
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

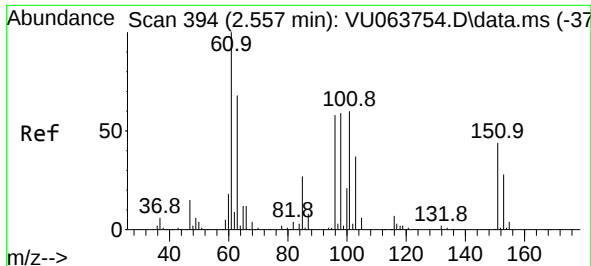
Tgt Ion: 64 Resp: 82792
Ion Ratio Lower Upper
64 100
66 33.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 52.392 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:101 Resp: 204395
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.037 ug/L

RT: 2.554 min Scan# 393

Delta R.T. -0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

M-31SMS

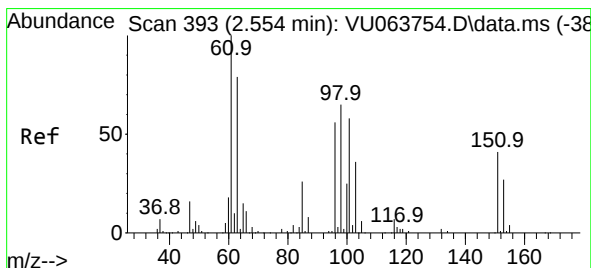
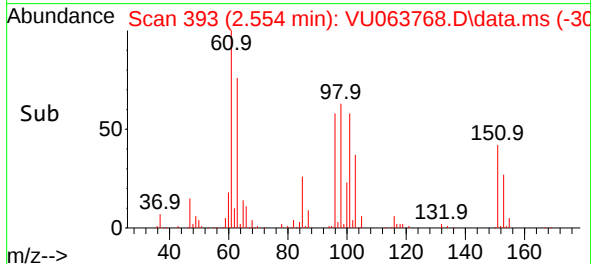
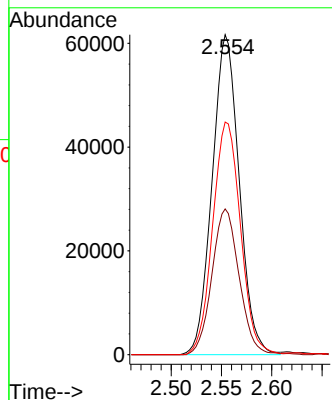
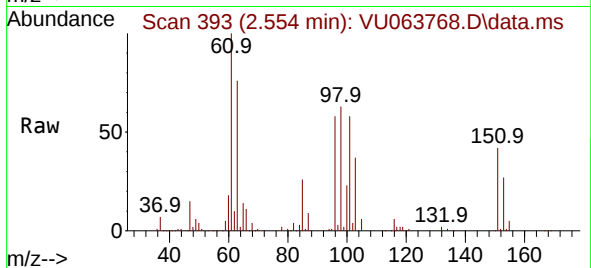
Tgt Ion:101 Resp: 115376

Ion Ratio Lower Upper

101 100

85 45.7 36.3 54.5

151 74.8 60.1 90.1



#12

1,1-Dichloroethene

Concen: 48.657 ug/L

RT: 2.554 min Scan# 393

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

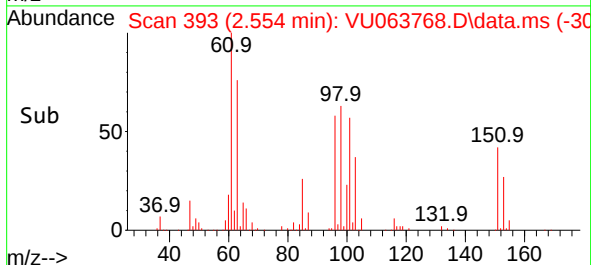
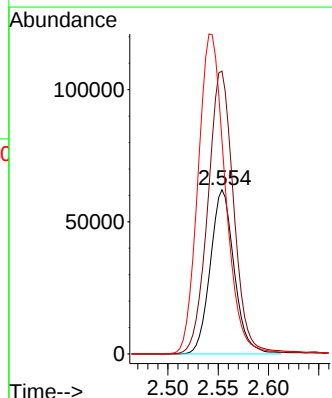
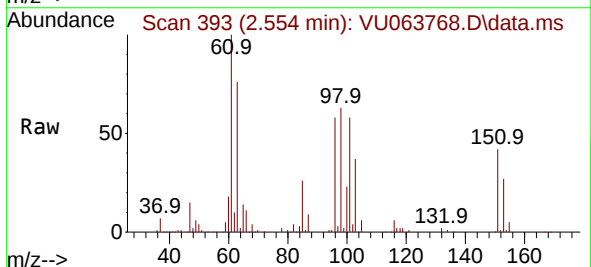
Tgt Ion: 96 Resp: 102611

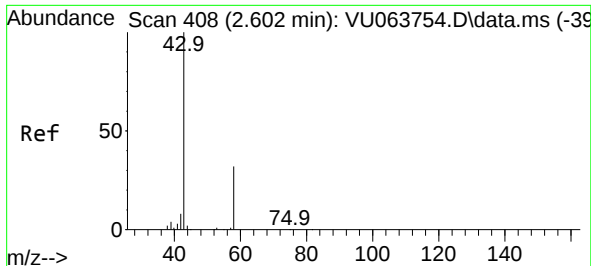
Ion Ratio Lower Upper

96 100

61 172.2 123.3 228.9

63 130.3 103.3 191.8





#13

Acetone

Concen: 58.924 ug/L

RT: 2.605 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

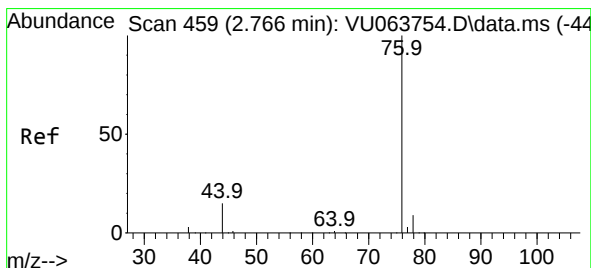
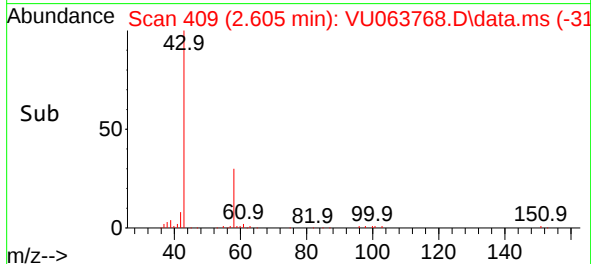
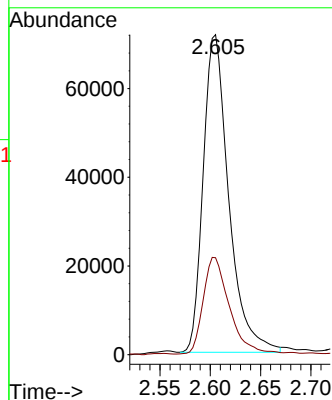
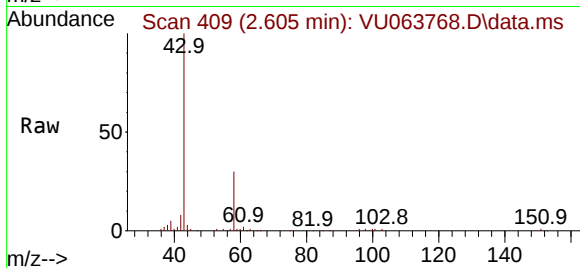
M-31SMS

Tgt Ion: 43 Resp: 126830

Ion Ratio Lower Upper

43 100

58 31.2 0.0 63.4



#14

Carbon disulfide

Concen: 41.284 ug/L

RT: 2.766 min Scan# 459

Delta R.T. -0.000 min

Lab File: VU063768.D

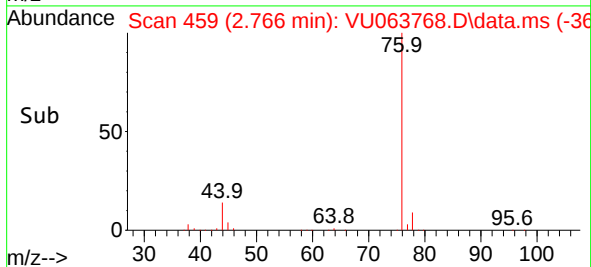
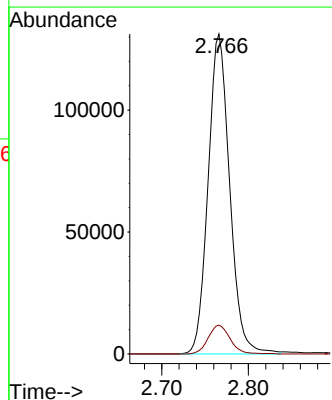
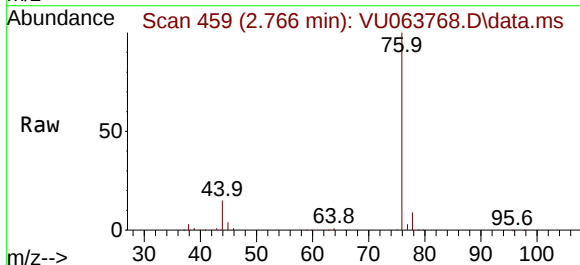
Acq: 21 Nov 2025 14:33

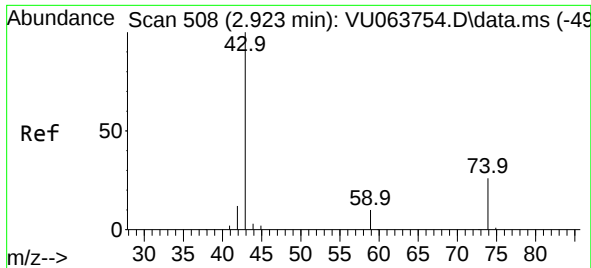
Tgt Ion: 76 Resp: 226780

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6

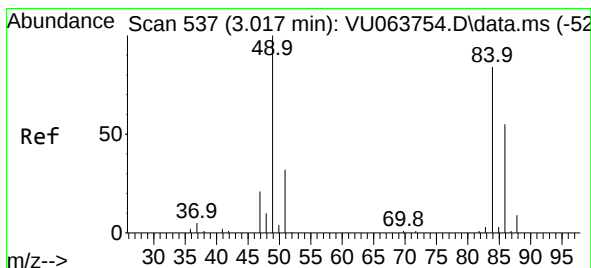
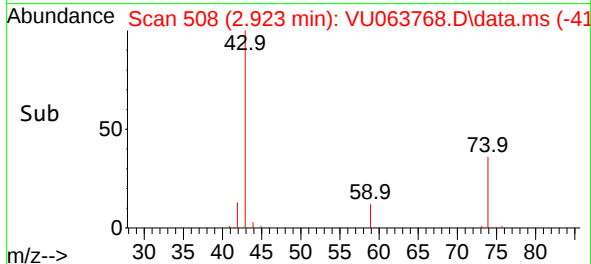
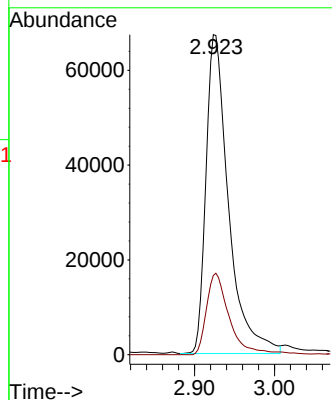
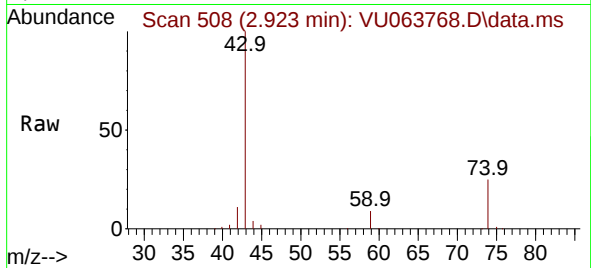




#15
Methyl Acetate
Concen: 51.139 ug/L
RT: 2.923 min Scan# 508
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

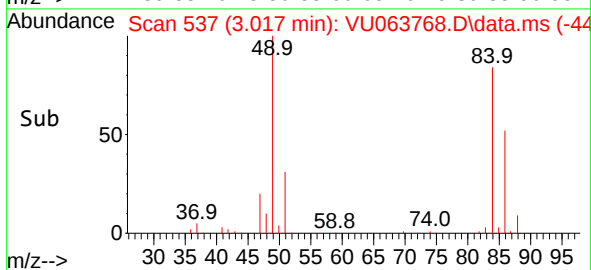
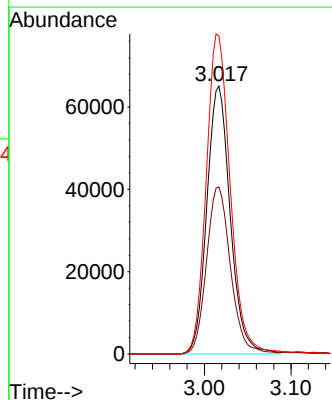
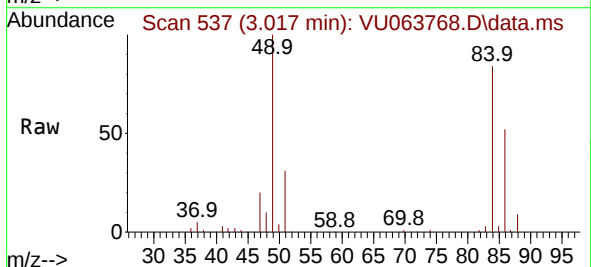
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

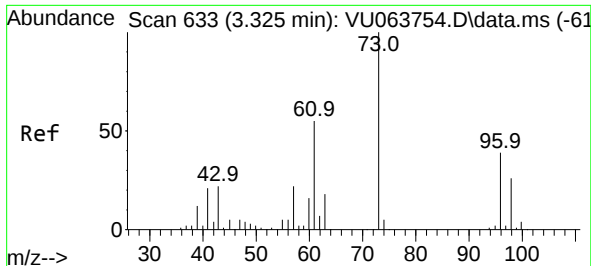
Tgt Ion: 43 Resp: 132180
Ion Ratio Lower Upper
43 100
74 25.3 20.5 30.7



#16
Methylene chloride
Concen: 49.853 ug/L
RT: 3.017 min Scan# 537
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 84 Resp: 122560
Ion Ratio Lower Upper
84 100
86 62.4 45.2 84.0
49 118.8 83.6 155.2

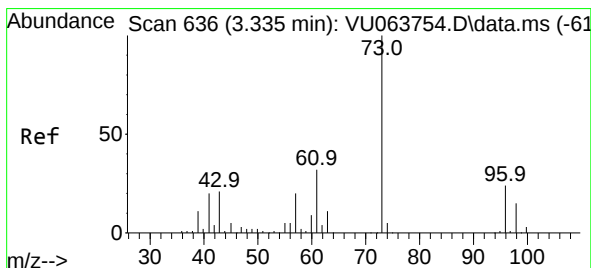
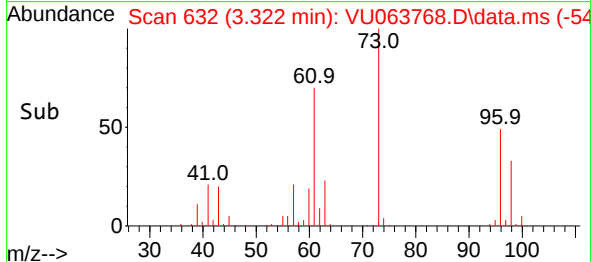
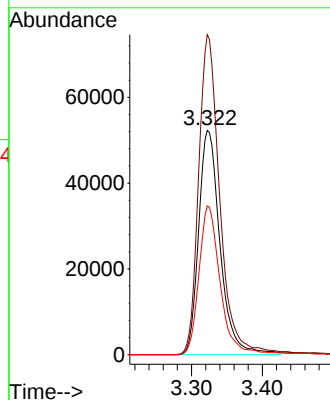
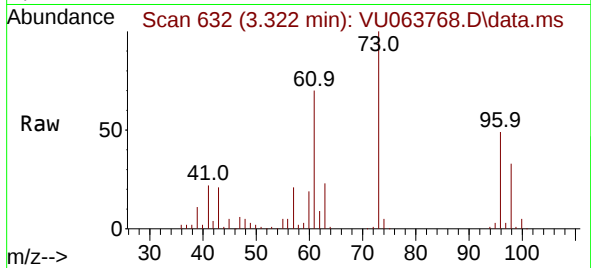




#17
trans-1,2-Dichloroethene
Concen: 48.913 ug/L
RT: 3.322 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

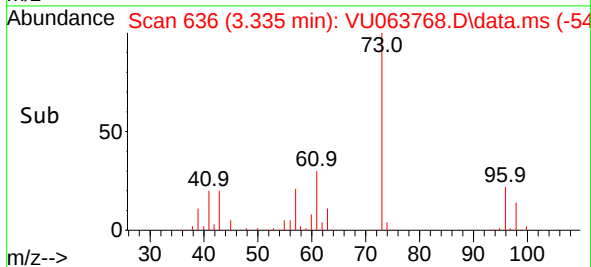
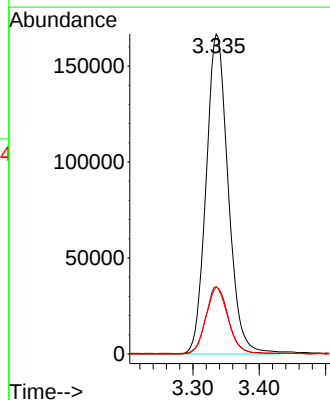
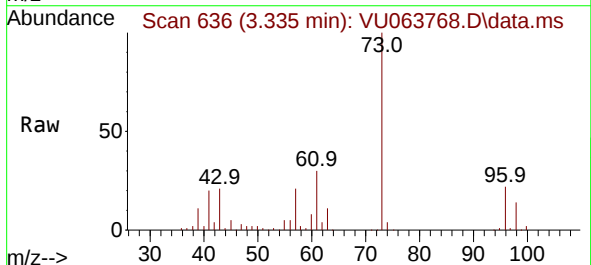
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

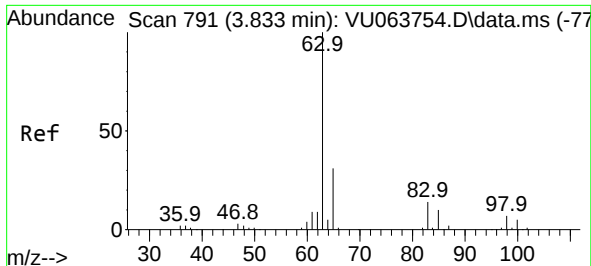
Tgt Ion: 96 Resp: 109976
Ion Ratio Lower Upper
96 100
61 142.6 92.7 172.1
98 66.3 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 50.651 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 73 Resp: 385418
Ion Ratio Lower Upper
73 100
43 21.0 16.6 24.8
57 20.8 16.3 24.5





#19

1,1-Dichloroethane

Concen: 50.033 ug/L

RT: 3.833 min Scan# 791

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

M-31SMS

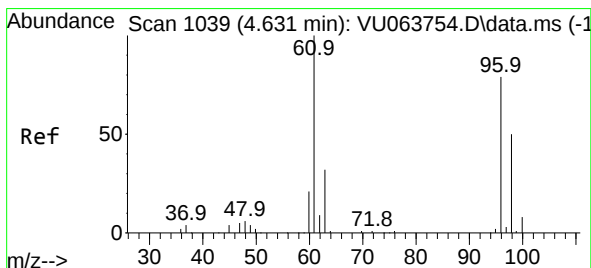
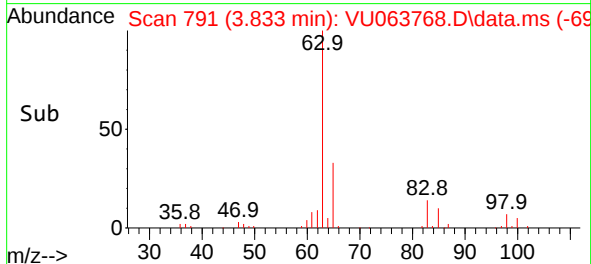
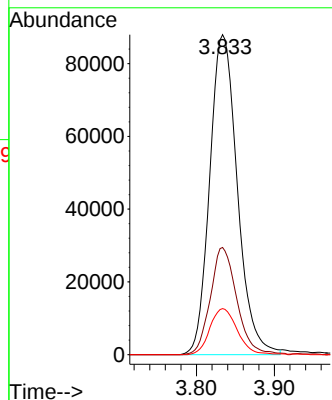
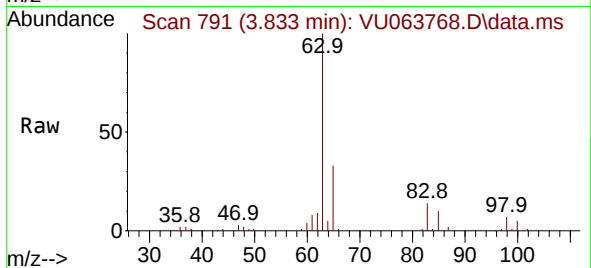
Tgt Ion: 63 Resp: 216764

Ion Ratio Lower Upper

63 100

65 33.5 22.0 41.0

83 14.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.453 ug/L

RT: 4.631 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

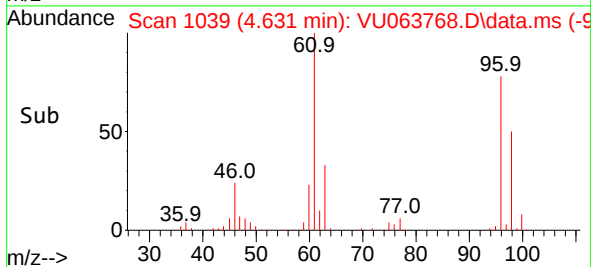
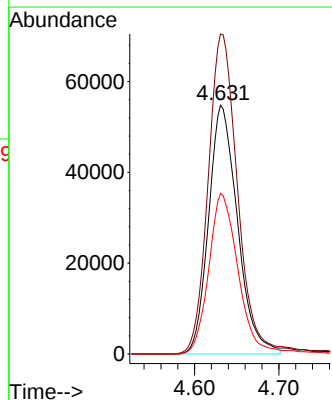
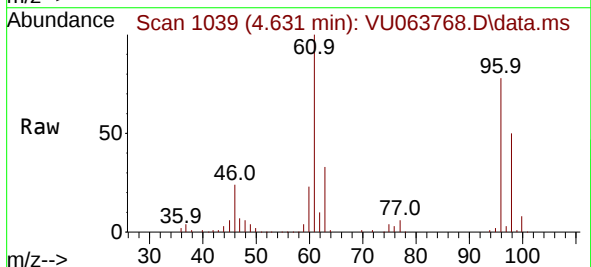
Tgt Ion: 96 Resp: 130575

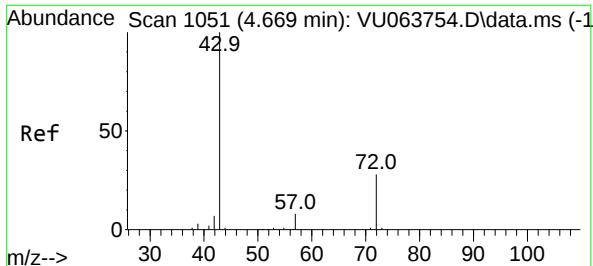
Ion Ratio Lower Upper

96 100

61 128.6 90.3 167.7

98 64.6 46.3 86.1





#22

2-Butanone

Concen: 76.284 ug/L

RT: 4.673 min Scan# 1051

Delta R.T. 0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

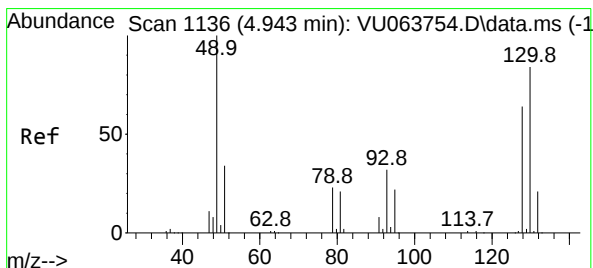
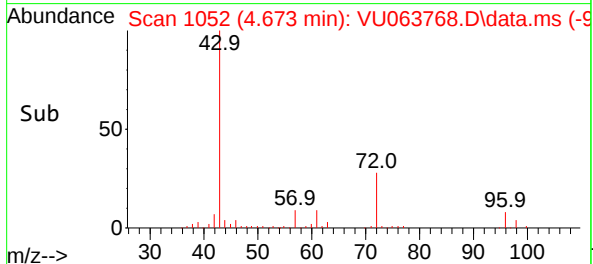
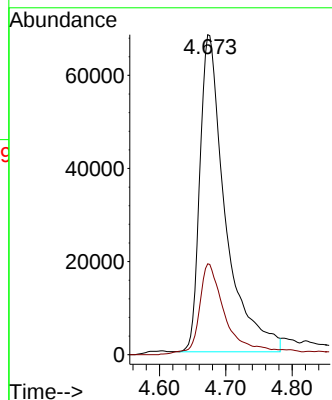
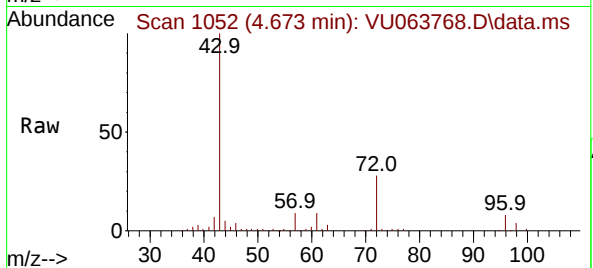
M-31SMS

Tgt Ion: 43 Resp: 182417

Ion Ratio Lower Upper

43 100

72 27.8 13.6 40.7



#23

Bromochloromethane

Concen: 51.875 ug/L

RT: 4.939 min Scan# 1135

Delta R.T. -0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Tgt Ion:128 Resp: 69024

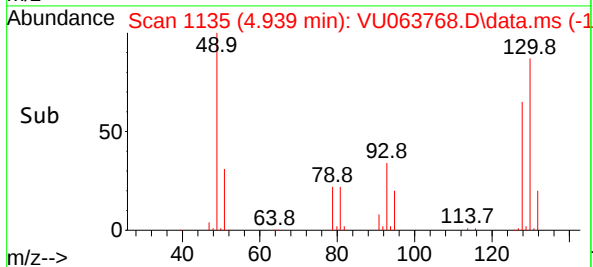
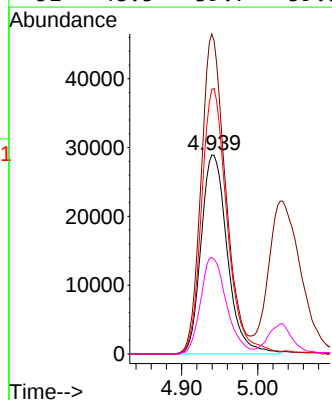
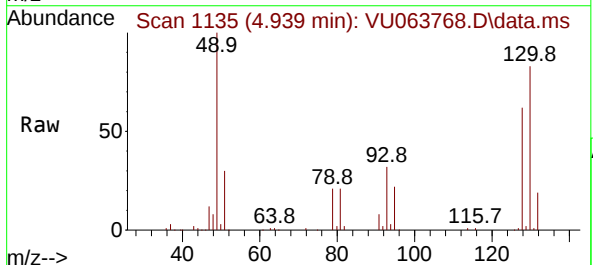
Ion Ratio Lower Upper

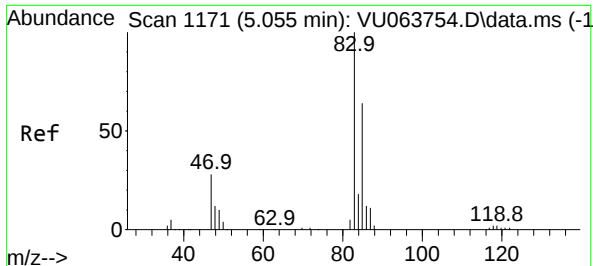
128 100

49 160.8 113.5 210.7

130 133.0 89.8 166.8

51 48.5 39.7 59.5





#25

Chloroform

Concen: 51.654 ug/L

RT: 5.052 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

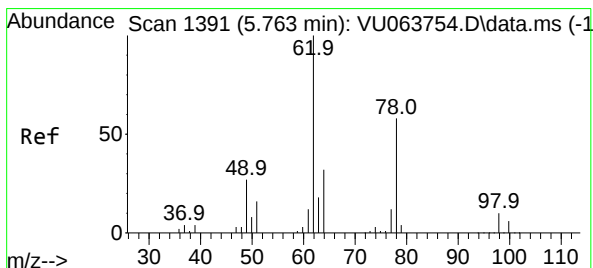
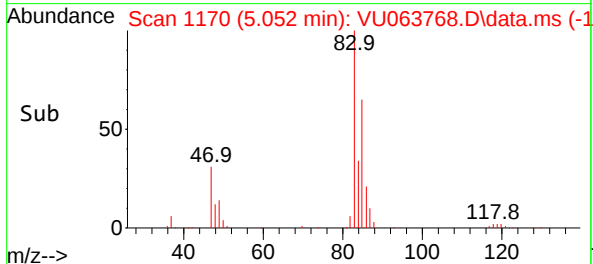
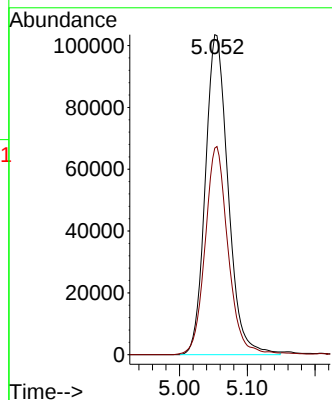
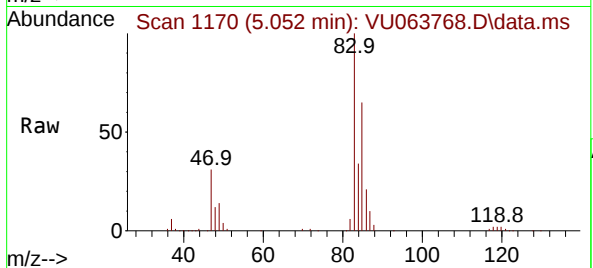
M-31SMS

Tgt Ion: 83 Resp: 242236

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 52.813 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VU063768.D

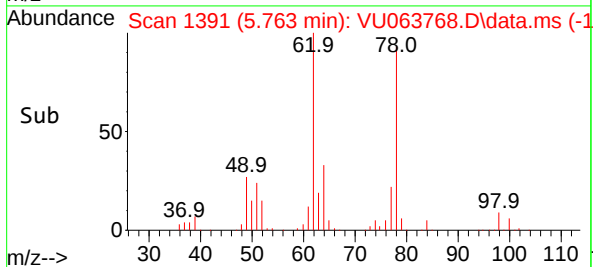
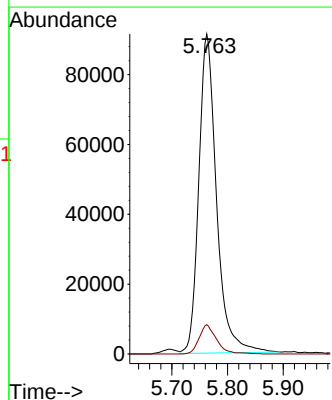
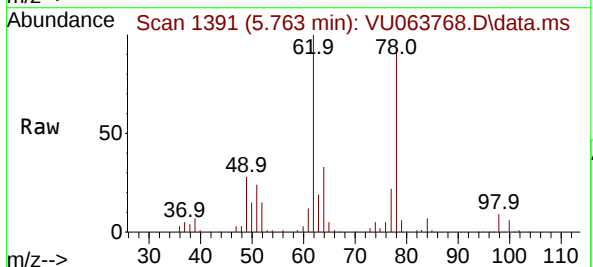
Acq: 21 Nov 2025 14:33

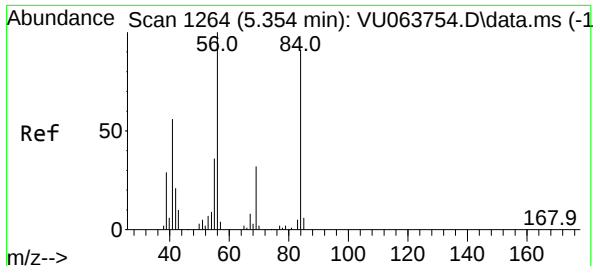
Tgt Ion: 62 Resp: 202185

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4





#29

Cyclohexane

Concen: 47.541 ug/L

RT: 5.354 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

M-31SMS

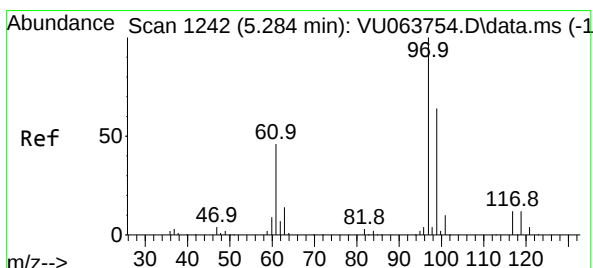
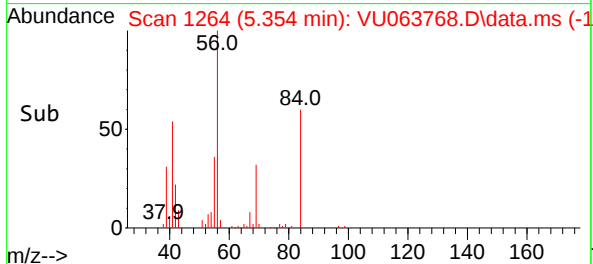
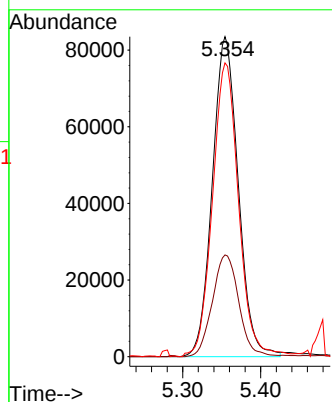
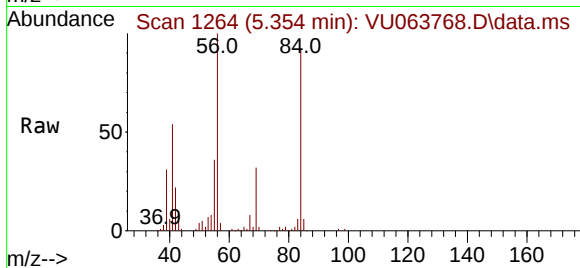
Tgt Ion: 56 Resp: 193150

Ion Ratio Lower Upper

56 100

69 32.4 25.8 38.8

84 92.4 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 48.012 ug/L

RT: 5.280 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

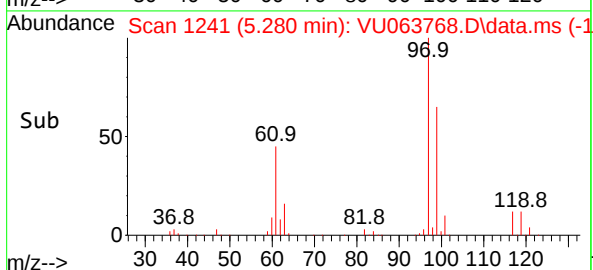
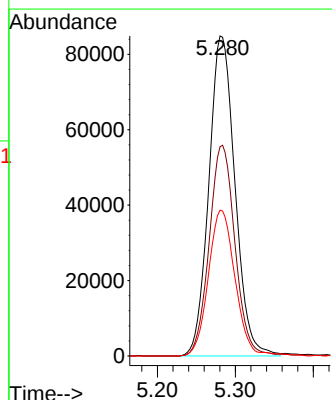
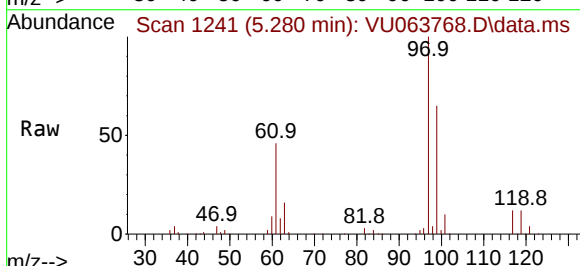
Tgt Ion: 97 Resp: 197970

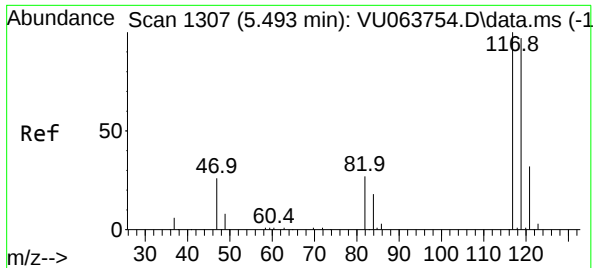
Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 45.9 37.2 55.8

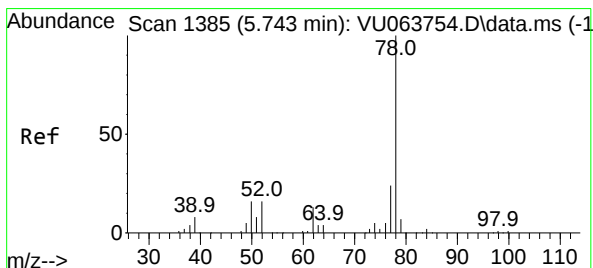
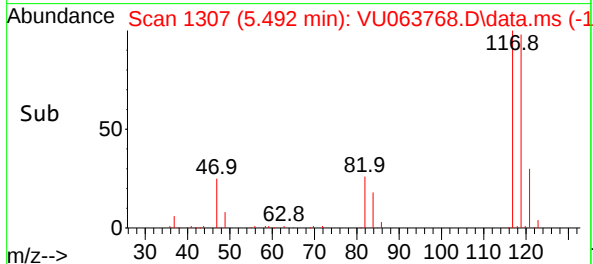
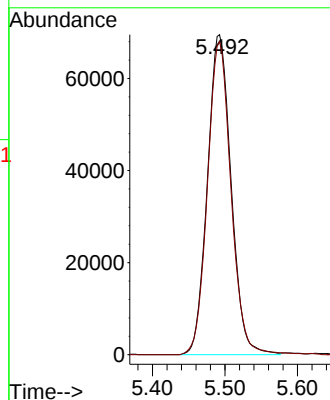
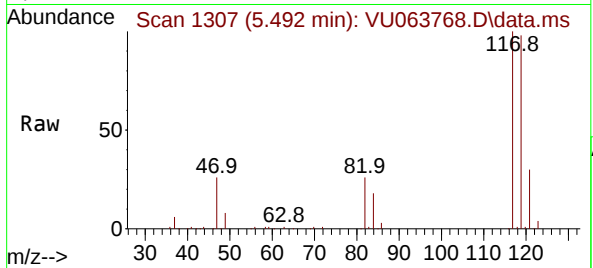




#31
Carbon tetrachloride
Concen: 48.707 ug/L
RT: 5.492 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

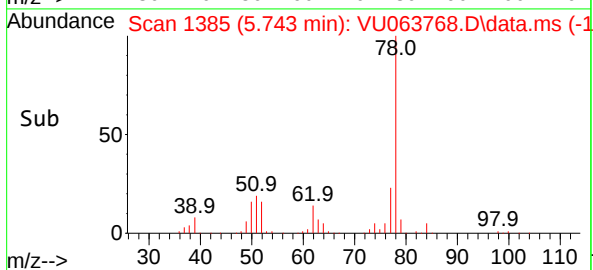
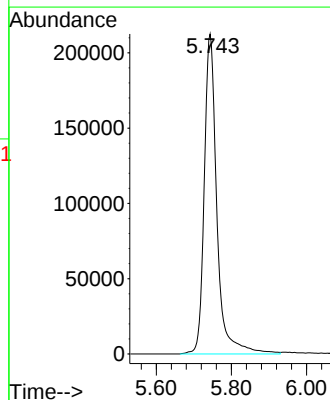
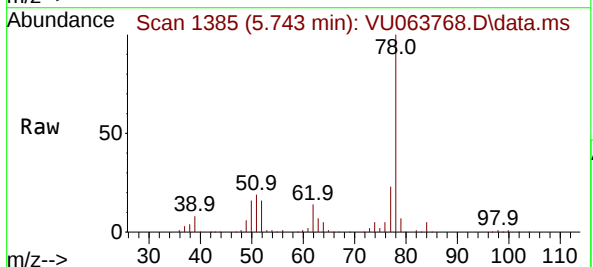
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

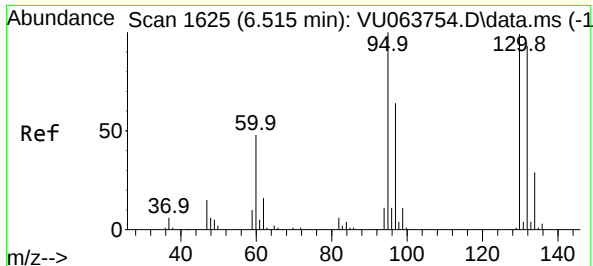
Tgt Ion:117 Resp: 157922
Ion Ratio Lower Upper
117 100
119 96.9 76.0 114.0



#33
Benzene
Concen: 50.410 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 78 Resp: 496473





#34

Trichloroethene

Concen: 48.741 ug/L

RT: 6.515 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

M-31SMS

Tgt Ion: 95 Resp: 138387

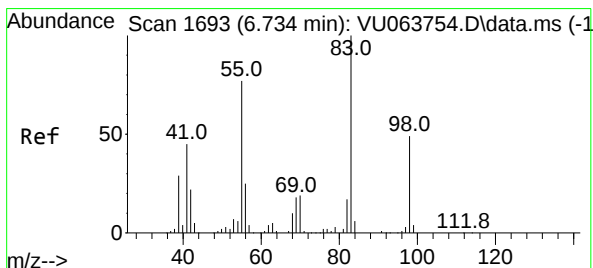
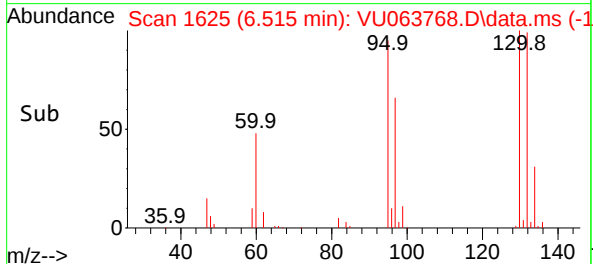
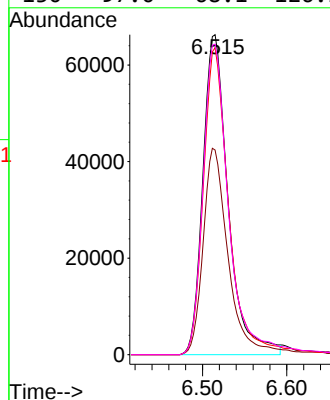
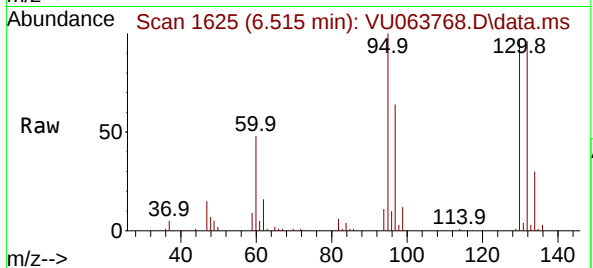
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 95.9 68.3 126.8

130 97.0 68.1 126.5



#35

Methylcyclohexane

Concen: 47.233 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

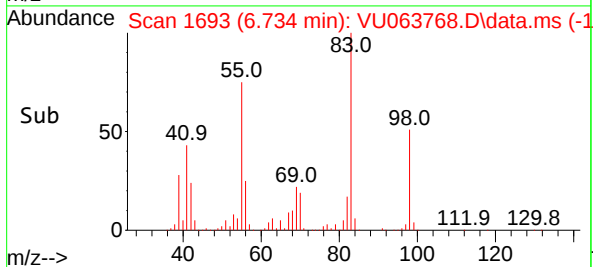
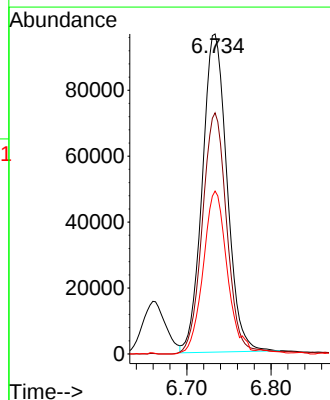
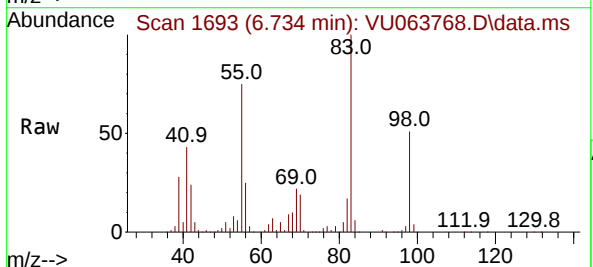
Tgt Ion: 83 Resp: 196861

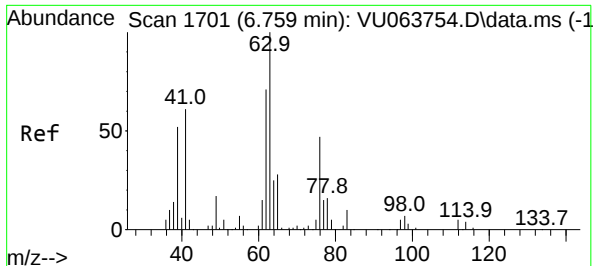
Ion Ratio Lower Upper

83 100

55 75.6 60.9 91.3

98 49.8 39.7 59.5





#37

1,2-Dichloropropane

Concen: 51.051 ug/L

RT: 6.759 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

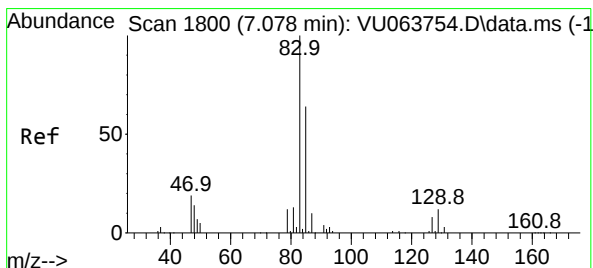
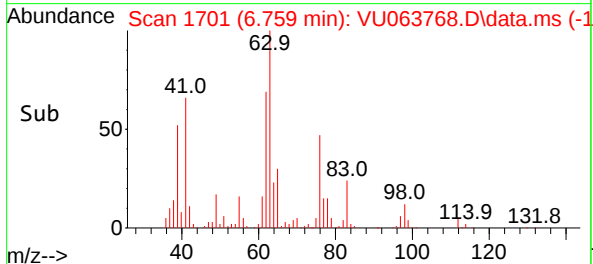
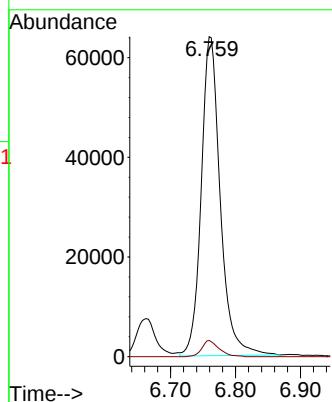
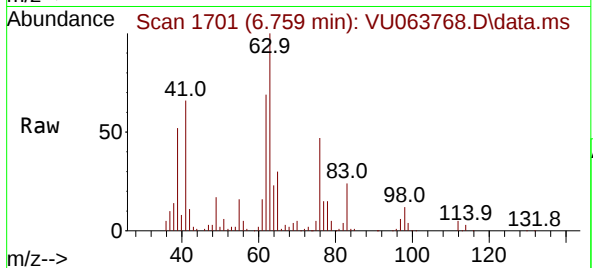
M-31SMS

Tgt Ion: 63 Resp: 130666

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 48.625 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

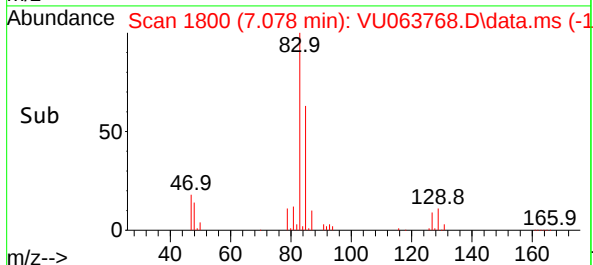
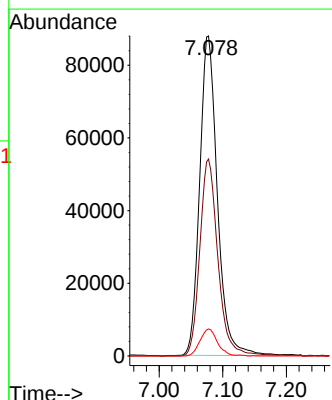
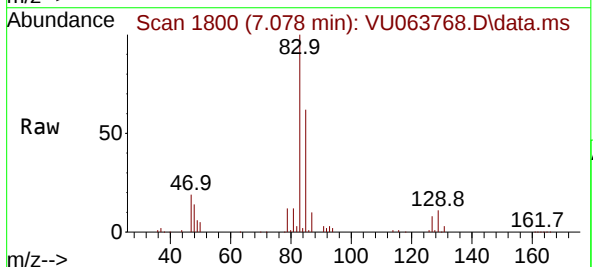
Tgt Ion: 83 Resp: 170425

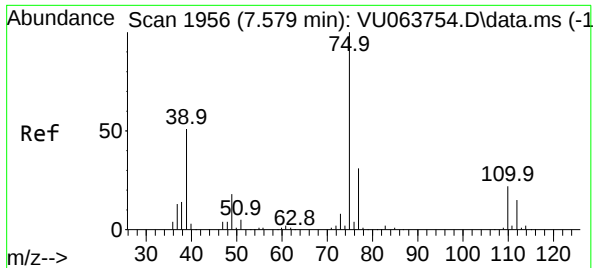
Ion Ratio Lower Upper

83 100

85 61.5 43.1 80.1

127 9.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 47.203 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

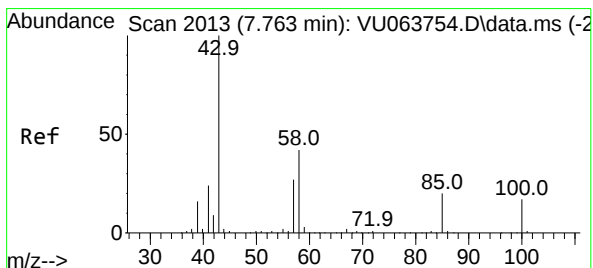
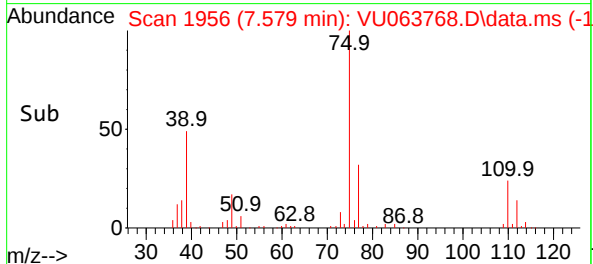
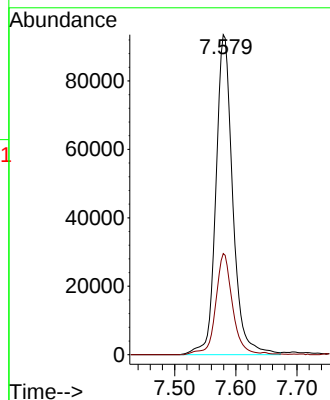
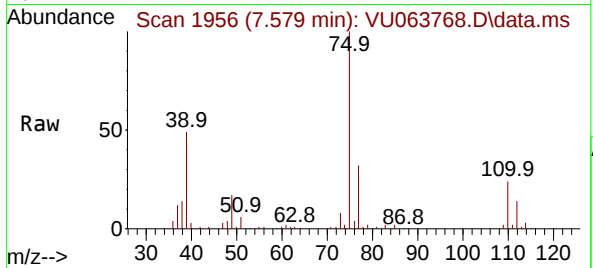
M-31SMS

Tgt Ion: 75 Resp: 179172

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 99.682 ug/L

RT: 7.762 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

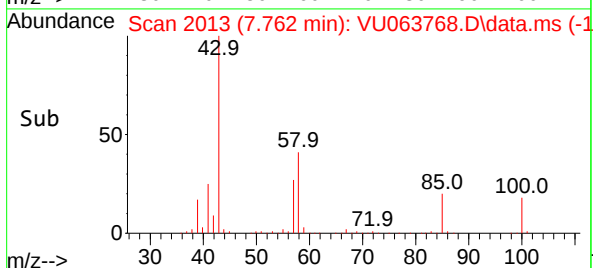
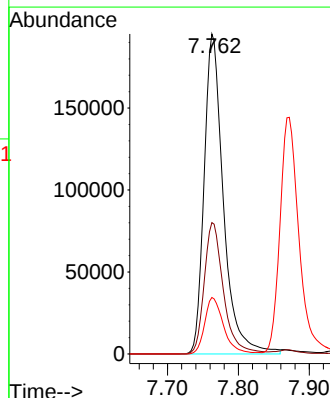
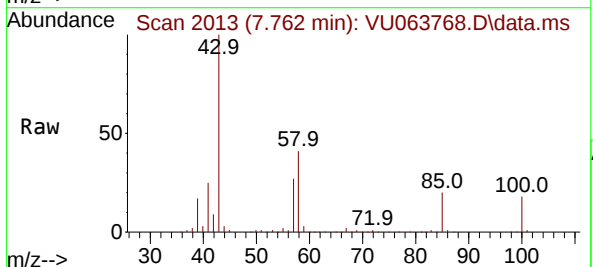
Tgt Ion: 43 Resp: 369297

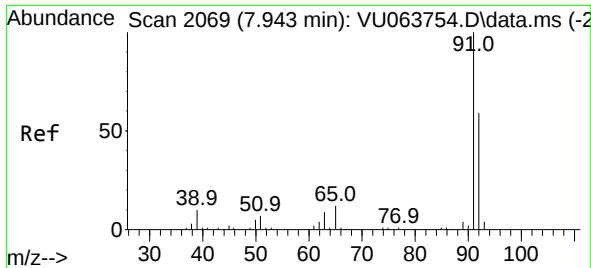
Ion Ratio Lower Upper

43 100

58 40.9 32.9 49.3

100 17.2 13.9 20.9





#42

Toluene

Concen: 49.795 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

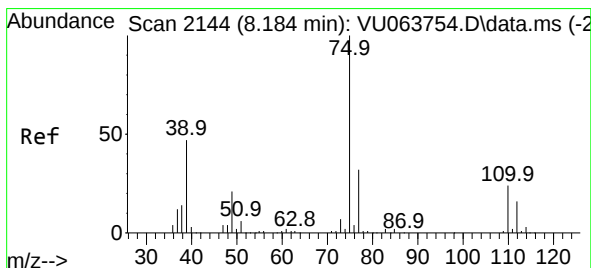
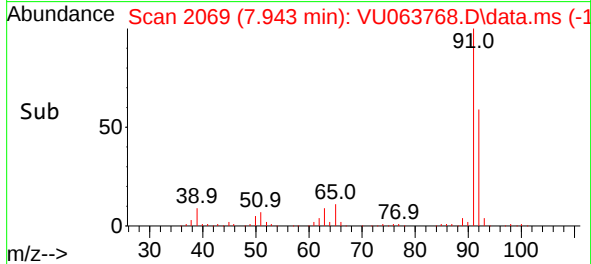
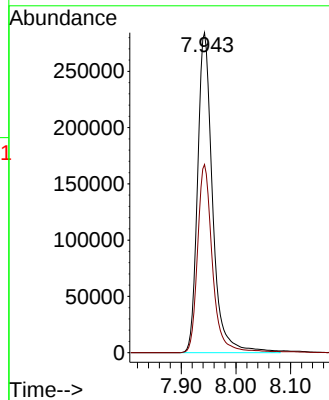
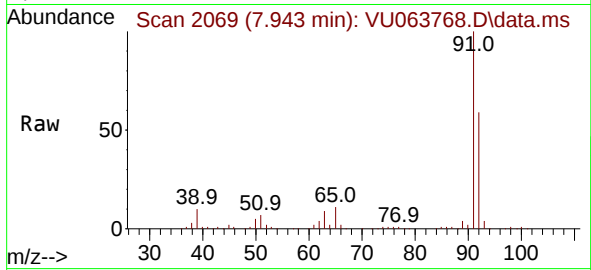
M-31SMS

Tgt Ion: 91 Resp: 541426

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 44.351 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. -0.000 min

Lab File: VU063768.D

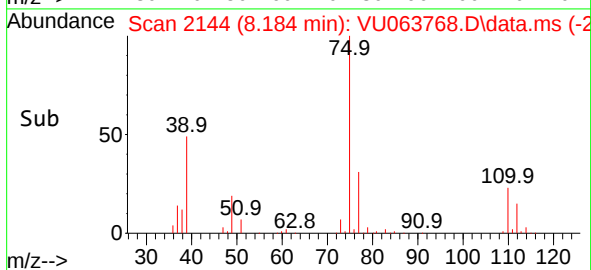
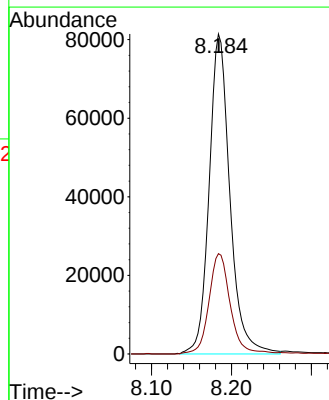
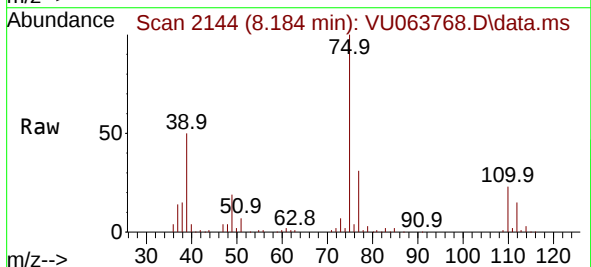
Acq: 21 Nov 2025 14:33

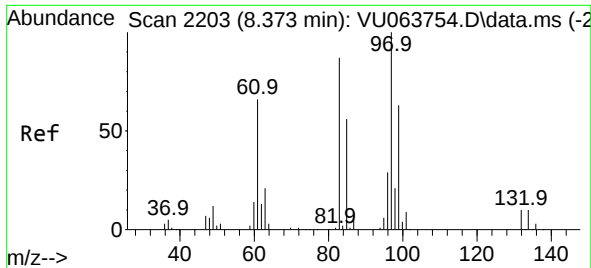
Tgt Ion: 75 Resp: 146953

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



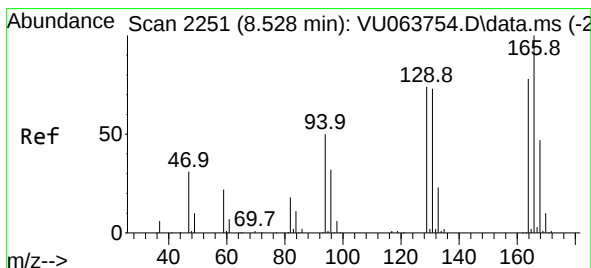
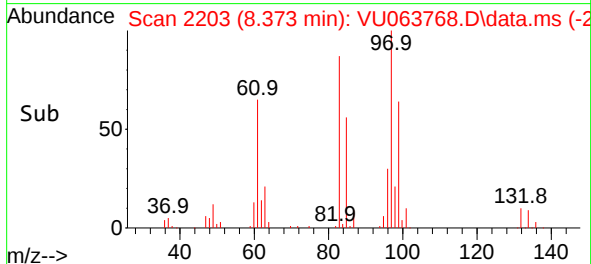
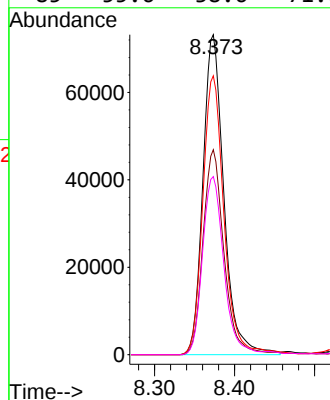
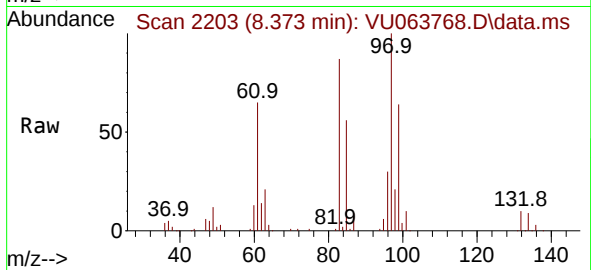


#45
1,1,2-Trichloroethane
Concen: 49.271 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

Tgt Ion: 97 Resp: 133367

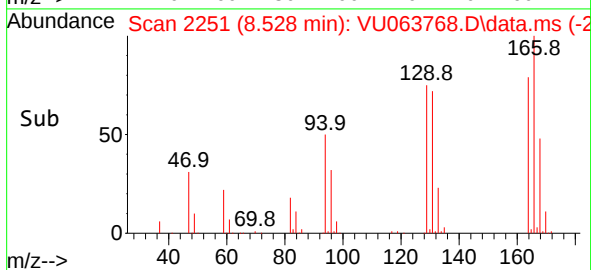
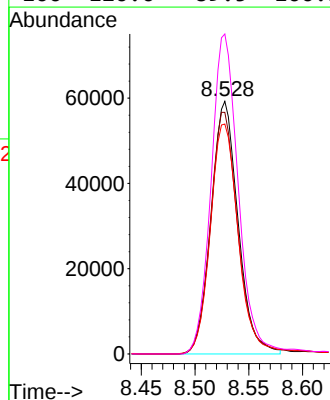
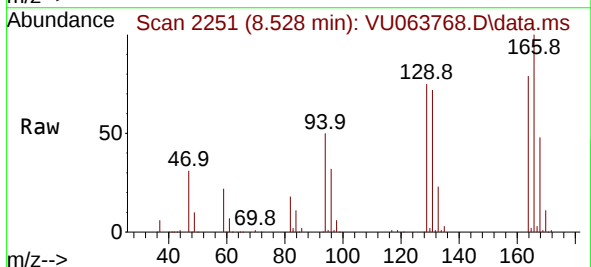
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.7	81.1
83	87.1	59.7	110.9
85	55.6	38.6	71.6

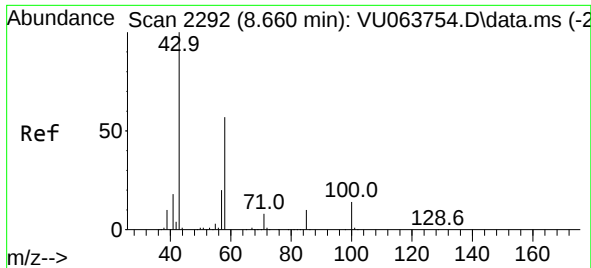


#46
Tetrachloroethene
Concen: 47.689 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 164 Resp: 103546

Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.5	127.3
131	91.0	64.3	119.3
166	126.6	89.5	166.1

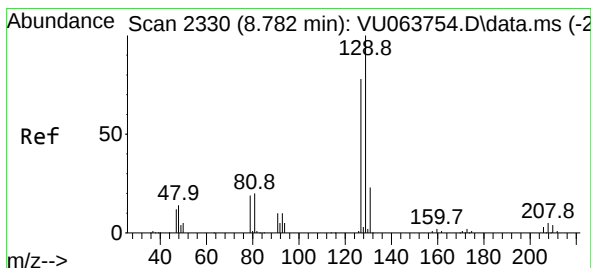
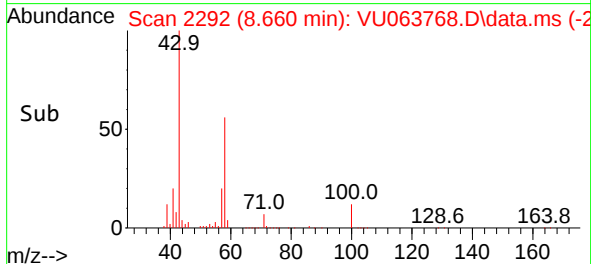
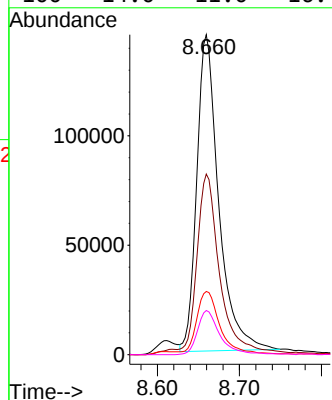
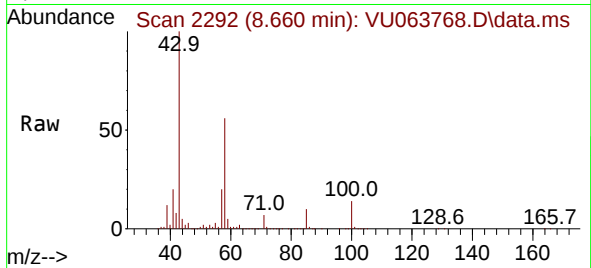




#48
2-Hexanone
Concen: 92.429 ug/L
RT: 8.660 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

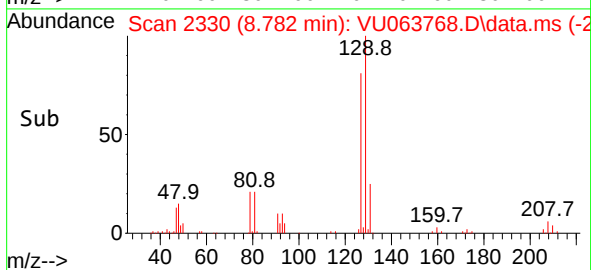
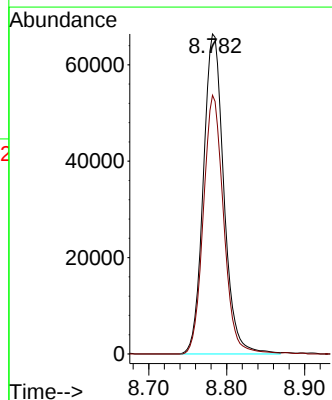
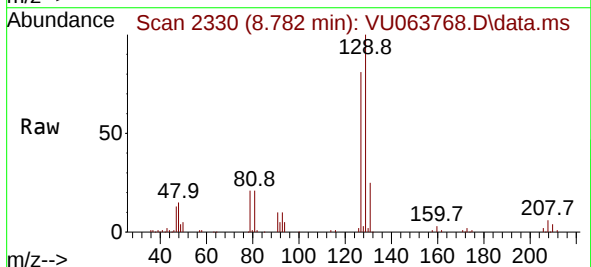
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

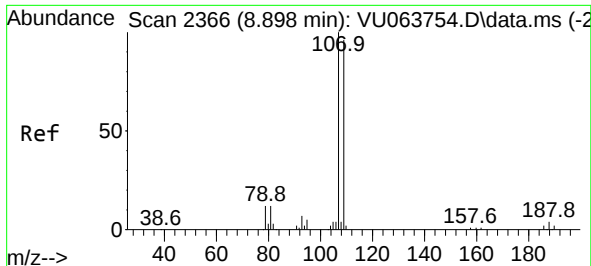
Tgt Ion: 43 Resp: 268767
Ion Ratio Lower Upper
43 100
58 59.1 44.8 67.2
57 19.9 16.6 24.8
100 14.0 11.0 16.4



#49
Dibromochloromethane
Concen: 46.452 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 129 Resp: 121427
Ion Ratio Lower Upper
129 100
127 80.9 53.4 99.2

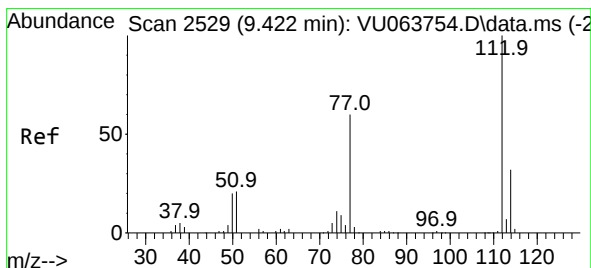
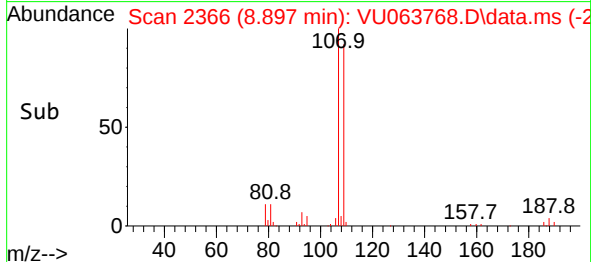
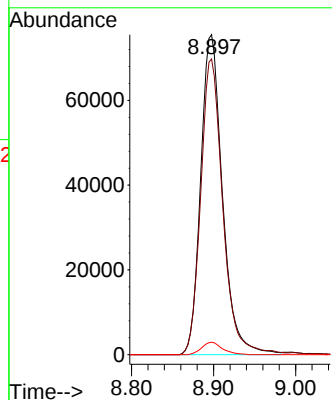
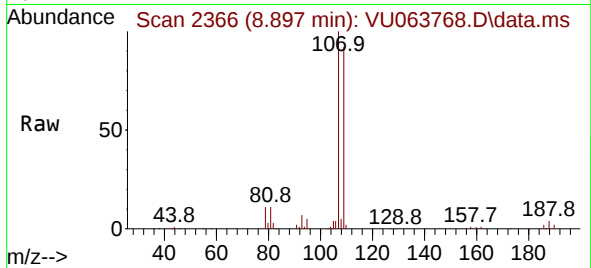




#50
1,2-Dibromoethane
Concen: 49.053 ug/L
RT: 8.897 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

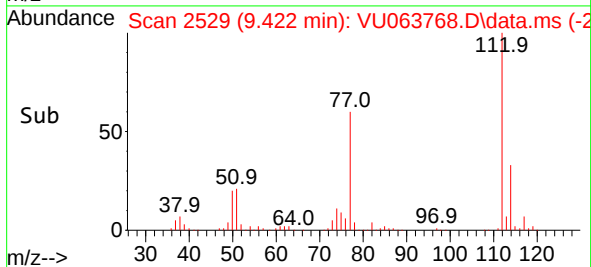
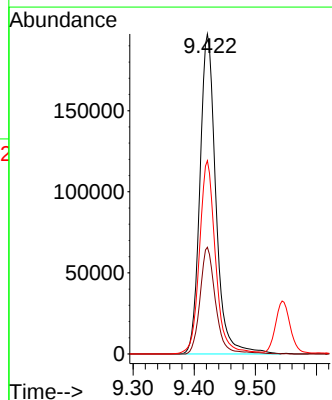
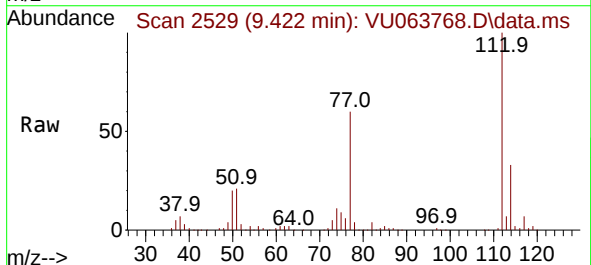
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

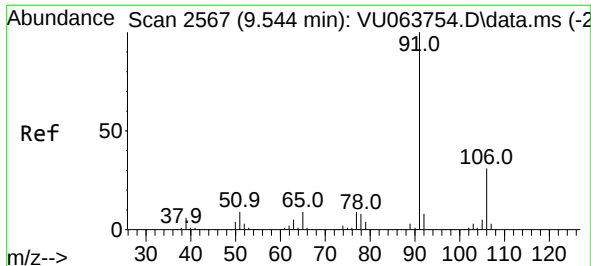
Tgt Ion:107 Resp: 139372
Ion Ratio Lower Upper
107 100
109 92.4 65.8 122.2
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 48.818 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:112 Resp: 358201
Ion Ratio Lower Upper
112 100
114 33.4 22.1 41.1
77 60.4 48.0 72.0

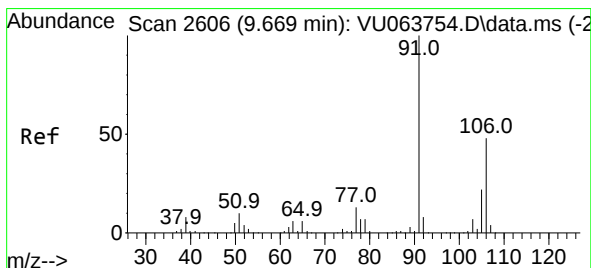
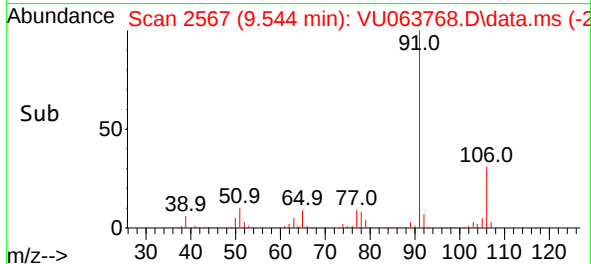
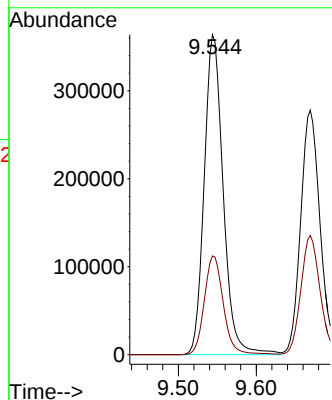
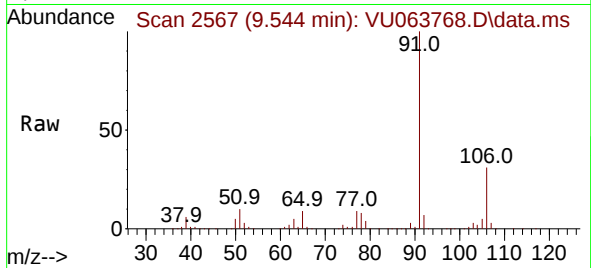




#52
Ethylbenzene
Concen: 48.816 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

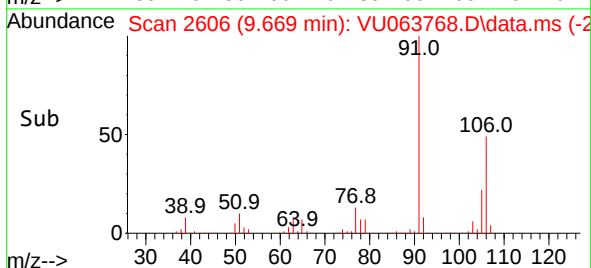
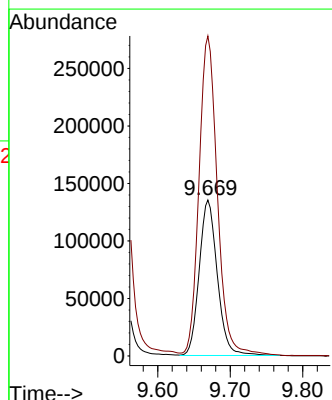
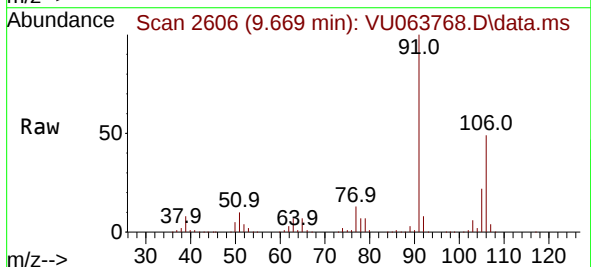
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

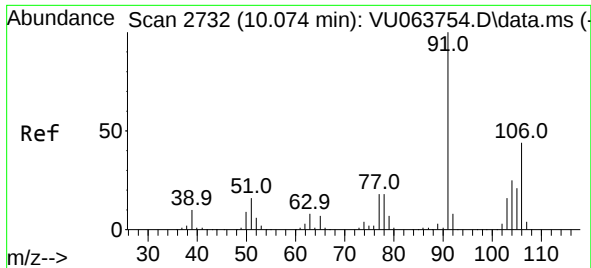
Tgt Ion: 91 Resp: 616312
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.6



#53
m,p-Xylene
Concen: 48.849 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 106 Resp: 235068
Ion Ratio Lower Upper
106 100
91 205.2 143.6 266.6

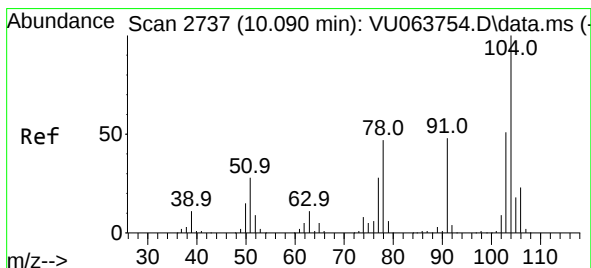
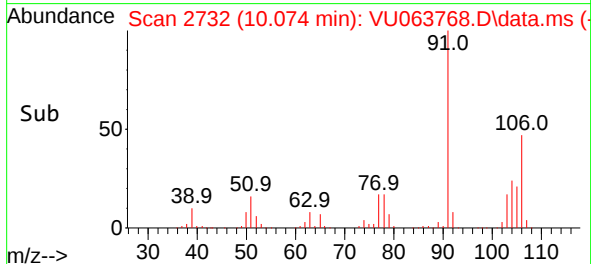
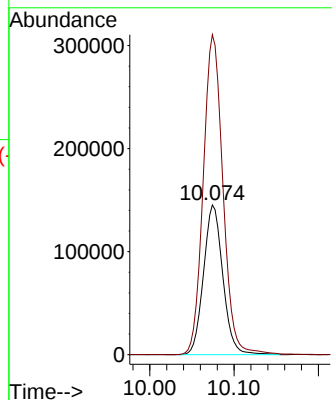
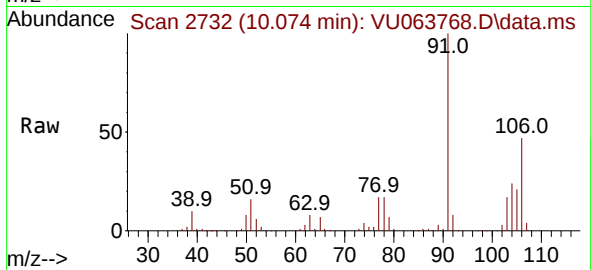




#54
o-Xylene
Concen: 49.559 ug/L
RT: 10.074 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

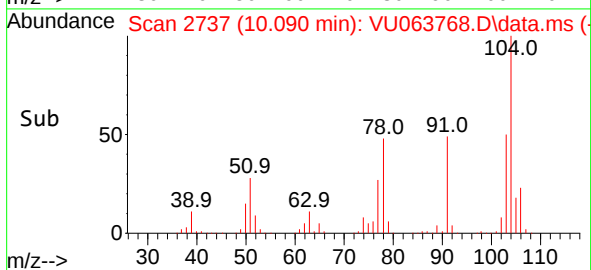
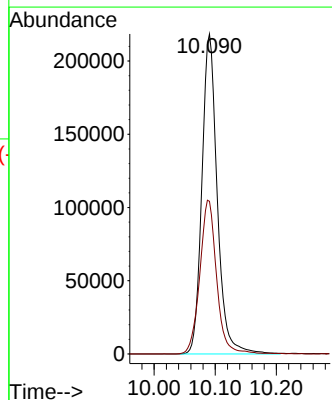
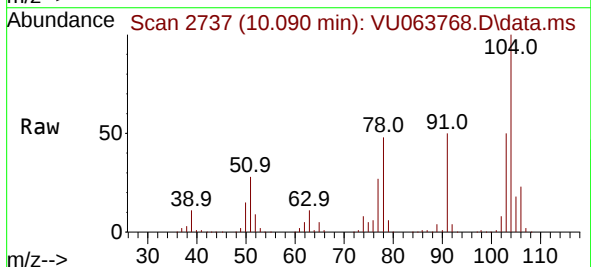
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

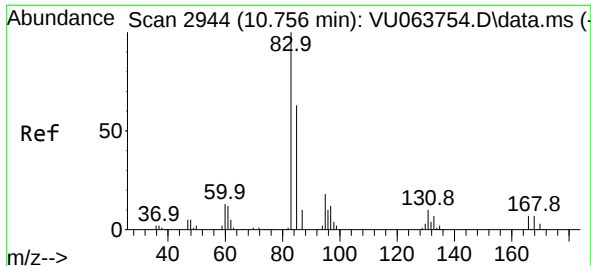
Tgt Ion:106 Resp: 232243
Ion Ratio Lower Upper
106 100
91 213.6 156.0 289.6



#55
Styrene
Concen: 50.236 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:104 Resp: 381437
Ion Ratio Lower Upper
104 100
78 47.7 32.0 59.4

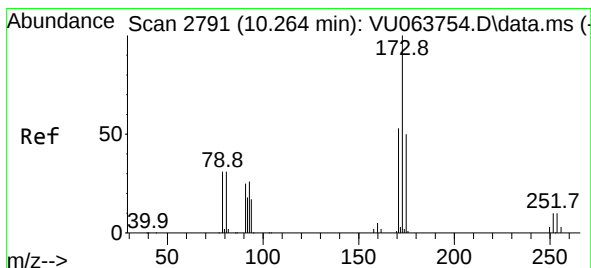
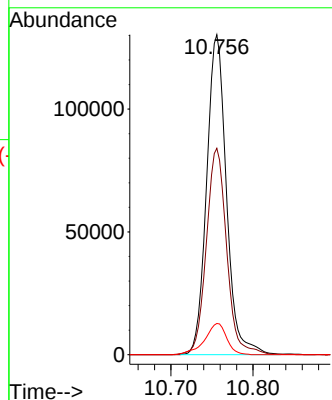
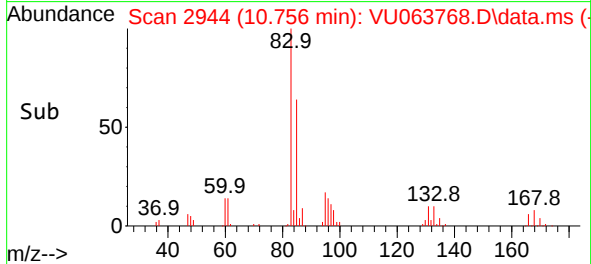
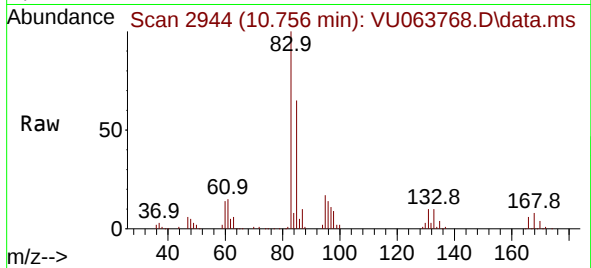




#57
1,1,2,2-Tetrachloroethane
Concen: 49.494 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

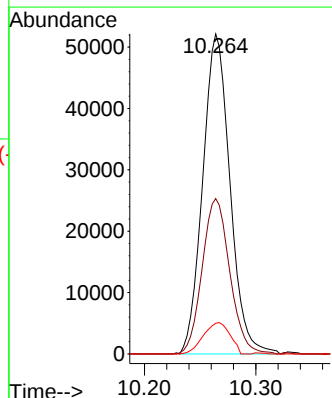
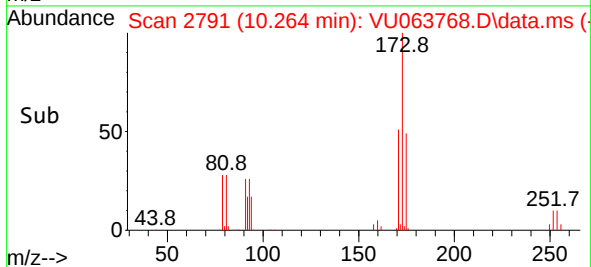
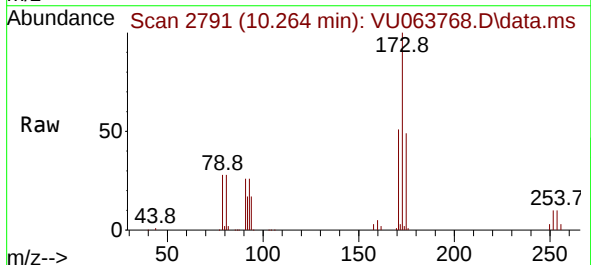
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

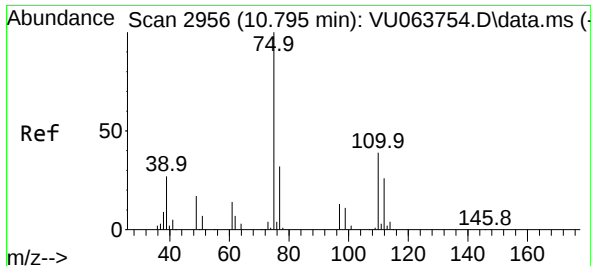
Tgt Ion: 83 Resp: 218201
Ion Ratio Lower Upper
83 100
85 64.5 45.7 84.9
131 9.8 7.4 11.2



#59
Bromoform
Concen: 44.057 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:173 Resp: 88728
Ion Ratio Lower Upper
173 100
175 49.1 38.2 57.4
254 9.6 6.9 10.3

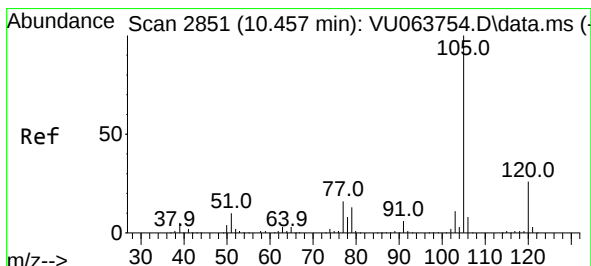
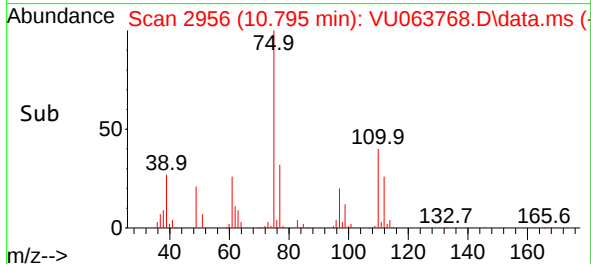
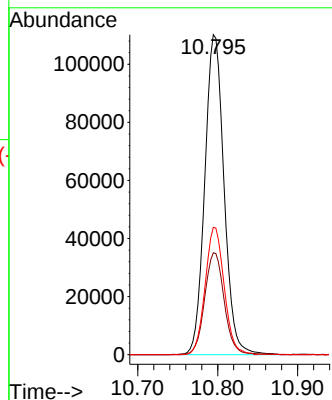
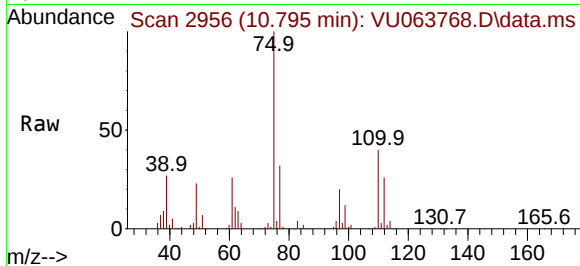




#60
1,2,3-Trichloropropane
Concen: 47.803 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

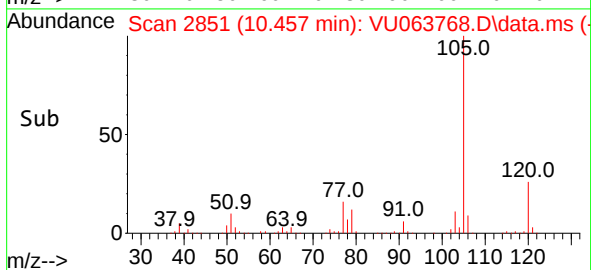
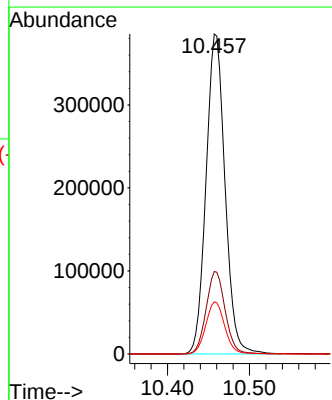
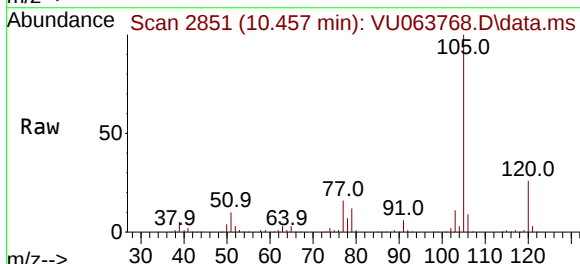
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

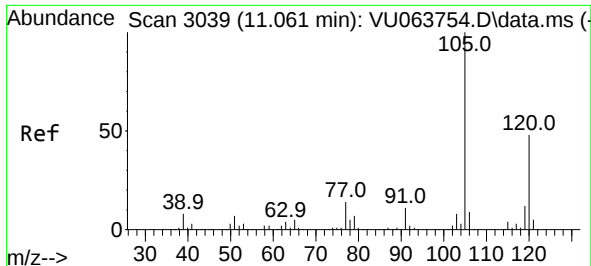
Tgt Ion: 75 Resp: 185026
Ion Ratio Lower Upper
75 100
77 32.4 26.1 39.1
110 39.3 32.3 48.5



#61
Isopropylbenzene
Concen: 46.329 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 105 Resp: 619805
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 16.3 12.9 19.3

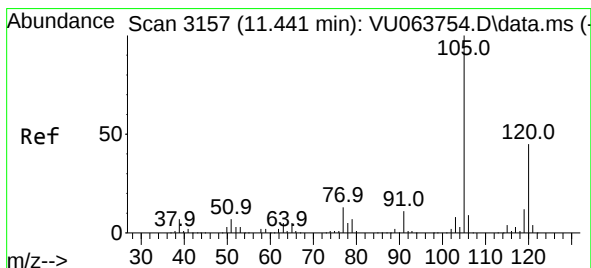
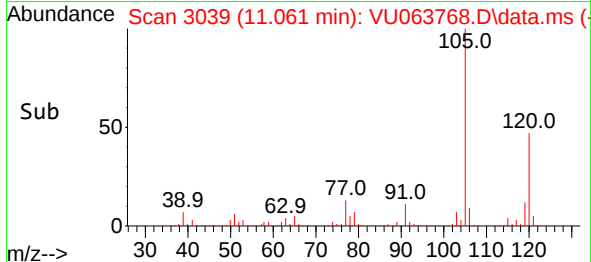
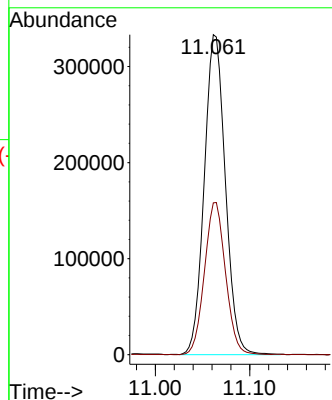
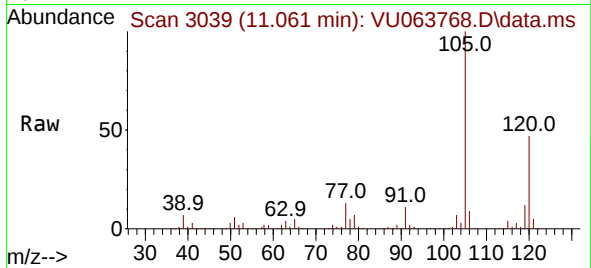




#62
 1,3,5-Trimethylbenzene
 Concen: 47.045 ug/L
 RT: 11.061 min Scan# 3039
 Delta R.T. -0.000 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

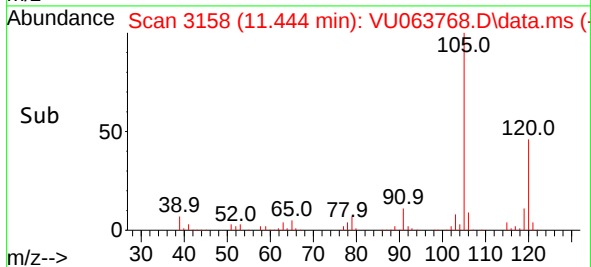
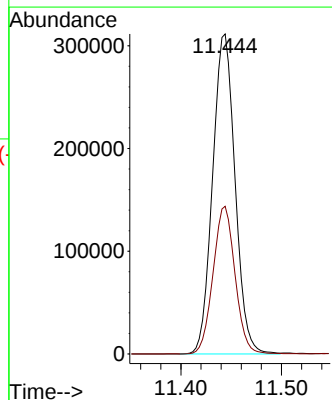
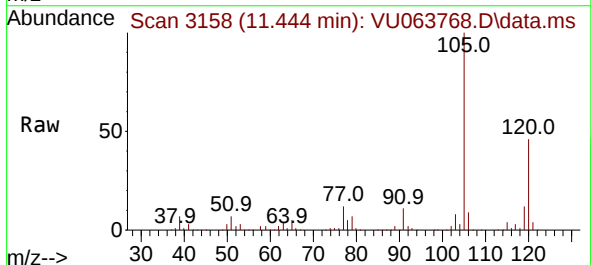
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

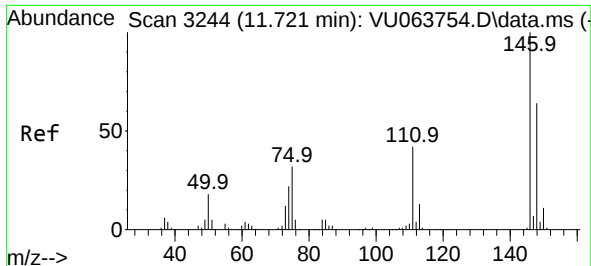
Tgt Ion:105 Resp: 517725
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 46.011 ug/L
 RT: 11.444 min Scan# 3158
 Delta R.T. 0.003 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

Tgt Ion:105 Resp: 483322
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.6 53.4

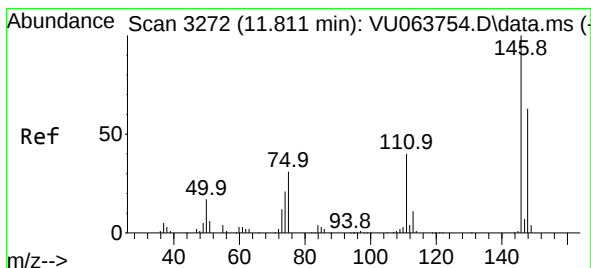
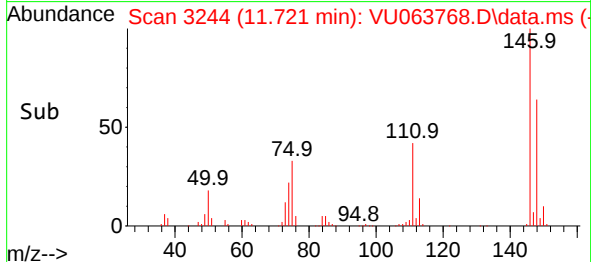
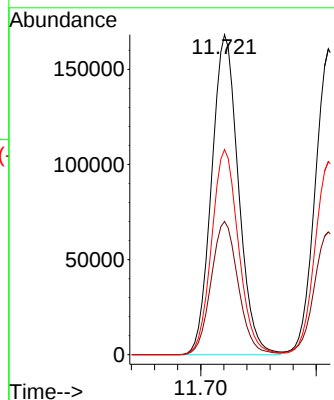
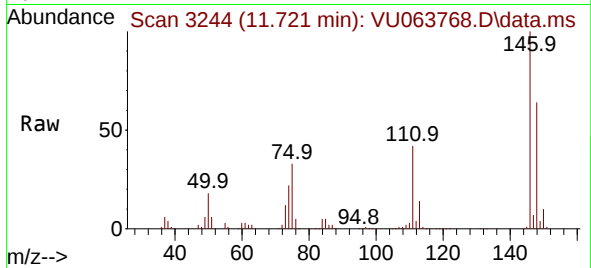




#64
1,3-Dichlorobenzene
Concen: 45.239 ug/L
RT: 11.721 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

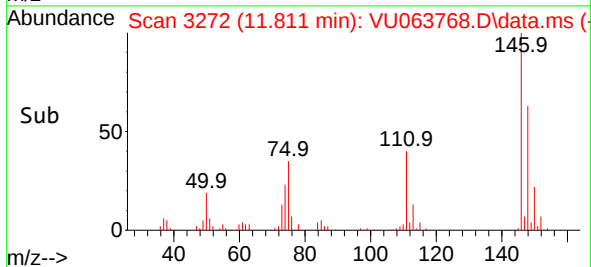
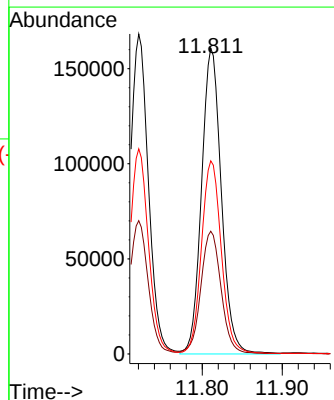
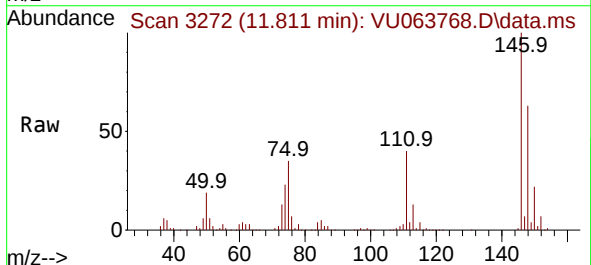
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

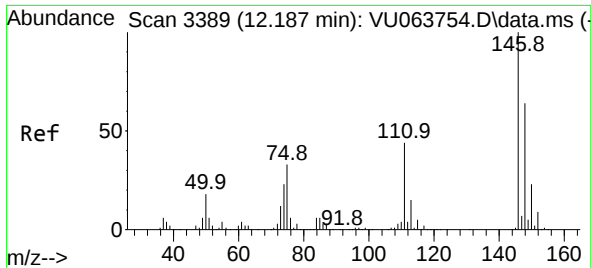
Tgt Ion:146 Resp: 271329
Ion Ratio Lower Upper
146 100
111 41.6 29.8 55.3
148 64.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 45.208 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:146 Resp: 277716
Ion Ratio Lower Upper
146 100
111 40.1 28.8 53.4
148 63.1 44.9 83.3

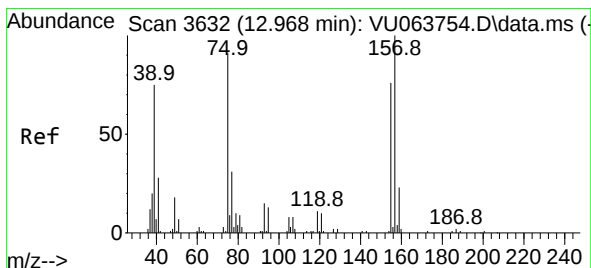
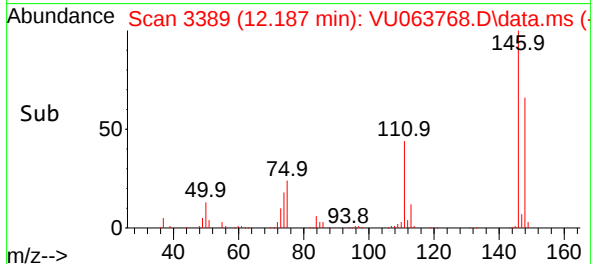
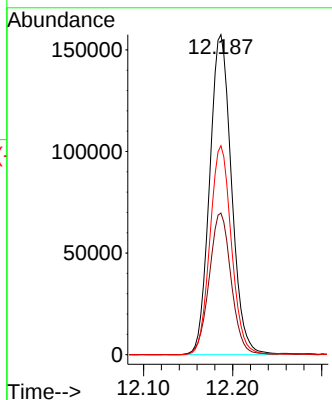
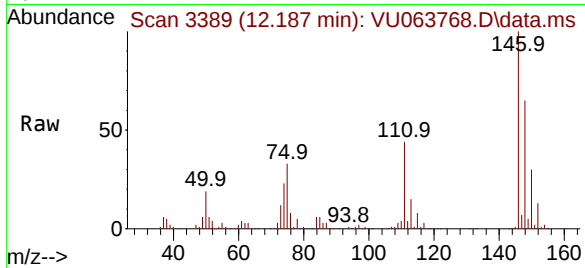




#67
1,2-Dichlorobenzene
Concen: 46.222 ug/L
RT: 12.187 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

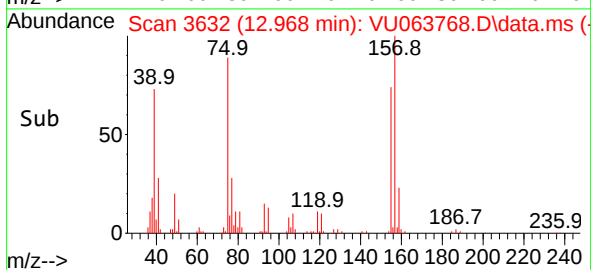
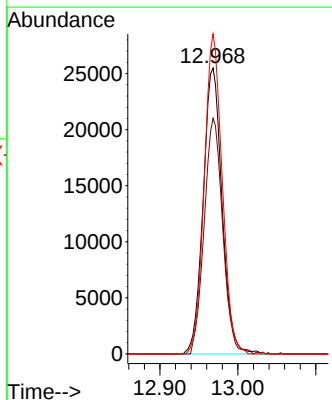
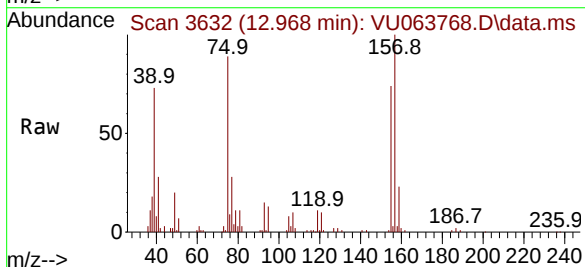
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

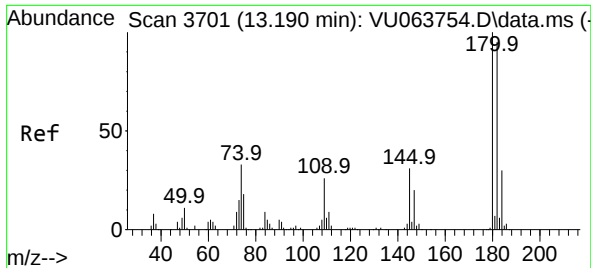
Tgt Ion:146 Resp: 268771
Ion Ratio Lower Upper
146 100
111 44.2 34.2 51.4
148 65.3 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 44.888 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 75 Resp: 42902
Ion Ratio Lower Upper
75 100
155 86.0 64.6 97.0
157 111.9 78.8 118.2

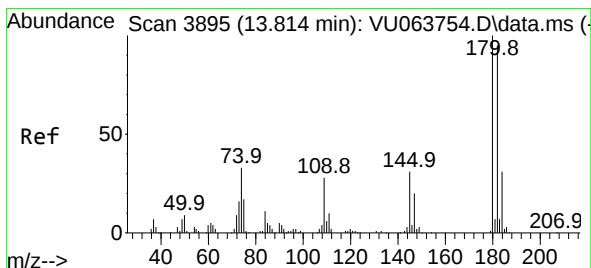
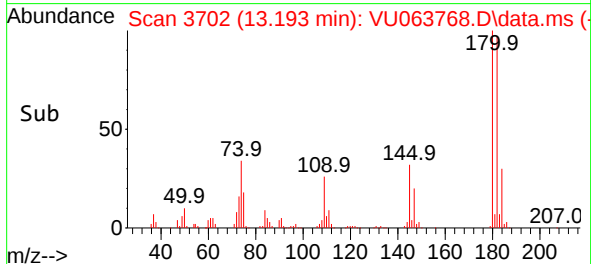
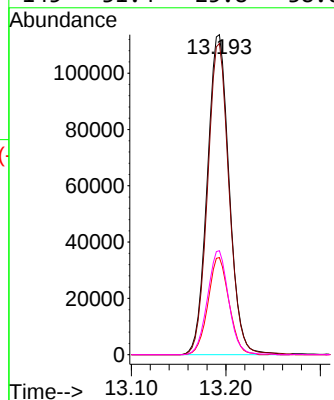
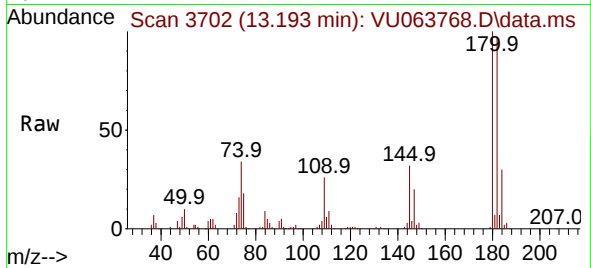




#69
 1,3,5-Trichlorobenzene
 Concen: 45.107 ug/L
 RT: 13.193 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

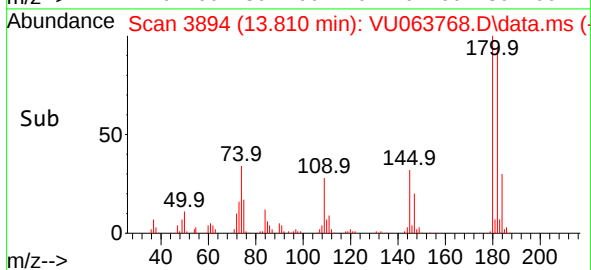
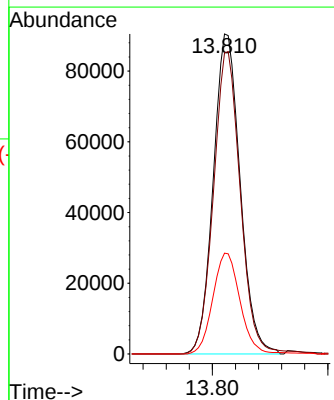
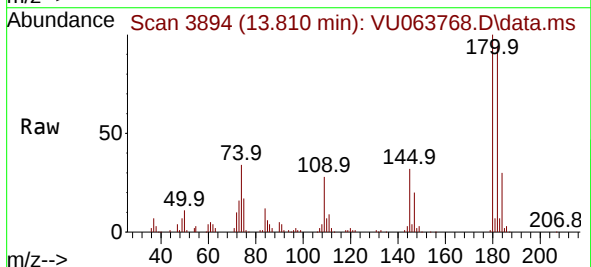
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

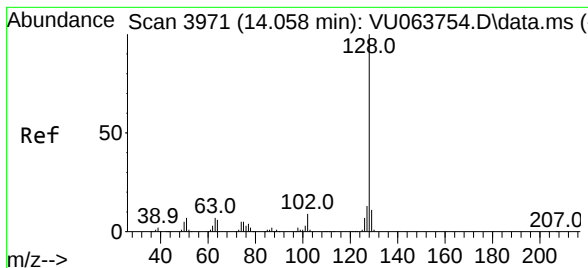
Tgt Ion:180 Resp: 182848
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 184 29.2 24.4 36.6
 145 31.4 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 43.198 ug/L
 RT: 13.810 min Scan# 3894
 Delta R.T. -0.003 min
 Lab File: VU063768.D
 Acq: 21 Nov 2025 14:33

Tgt Ion:180 Resp: 146017
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.8 113.8
 145 31.6 25.7 38.5





#71

Naphthalene

Concen: 45.561 ug/L

RT: 14.058 min Scan# 3971

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_U

ClientSampleId :

M-31SMS

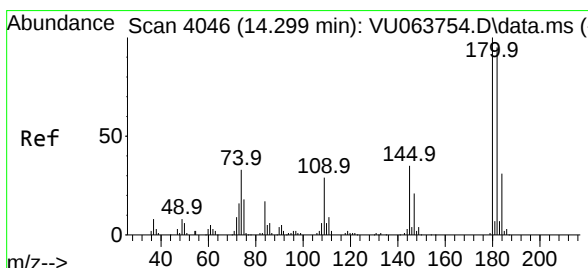
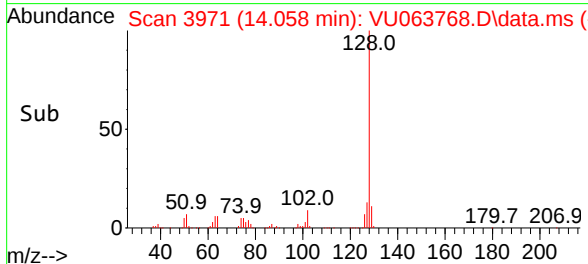
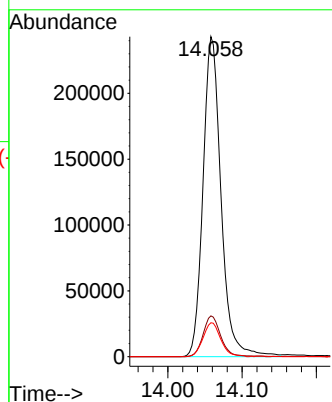
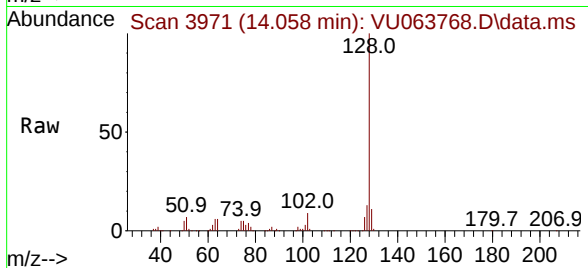
Tgt Ion:128 Resp: 409847

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.4 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 43.506 ug/L

RT: 14.299 min Scan# 4046

Delta R.T. -0.000 min

Lab File: VU063768.D

Acq: 21 Nov 2025 14:33

Tgt Ion:180 Resp: 139381

Ion Ratio Lower Upper

180 100

182 97.6 76.9 115.3

145 34.8 26.6 39.8

