

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062801.D
 Acq On : 16 Jan 2025 06:08
 Operator : MD/SY
 Sample : Q1071-12MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 07:01:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 01:55:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	97747	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	91491	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	47936	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	17040	3.148	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.000%
7) Chloroethane-d5	1.901	69	15900	3.651	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.000%
11) 1,1-Dichloroethene-d2	2.557	65	9824	3.503	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.608	46	63212	57.131	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.260%
24) Chloroform-d	5.049	84	61067	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.689	65	34684	4.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.714	84	92251	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.679	67	27871	4.495	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.888	98	89898	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.171	79	13130	4.248	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.618	63	52785	54.299	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.600%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	27970	5.386	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	38236	4.794	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	42824	4.599	ug/L	98
3) Chloromethane	1.515	50	27457	4.394	ug/L	99
5) Vinyl chloride	1.599	62	77502	11.014	ug/L	99
6) Bromomethane	1.843	94	15062	2.942	ug/L	89
8) Chloroethane	1.923	64	174632	41.307	ug/L	95
9) Trichlorofluoromethane	2.129	101	67380	4.747	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34751	5.067	ug/L	92
12) 1,1-Dichloroethene	2.570	96	1198615	197.534	ug/L #	73
13) Acetone	2.611	43	45170	51.535	ug/L	100
14) Carbon disulfide	2.782	76	83282	4.297	ug/L	97
15) Methyl Acetate	2.939	43	6127	3.228	ug/L	100
16) Methylene chloride	3.033	84	31583	4.752	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	84506	5.067	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	110987	17.073	ug/L	98
19) 1,1-Dichloroethane	3.853	63	702470	60.436	ug/L	95
21) 2-Butanone	4.685	43	60282	51.641	ug/L #	1
22) cis-1,2-Dichloroethene	4.650	96	3126629	441.646	ug/L	97
23) Bromochloromethane	4.959	128	16858	5.044	ug/L	94
25) Chloroform	5.071	83	68345	4.778	ug/L	97

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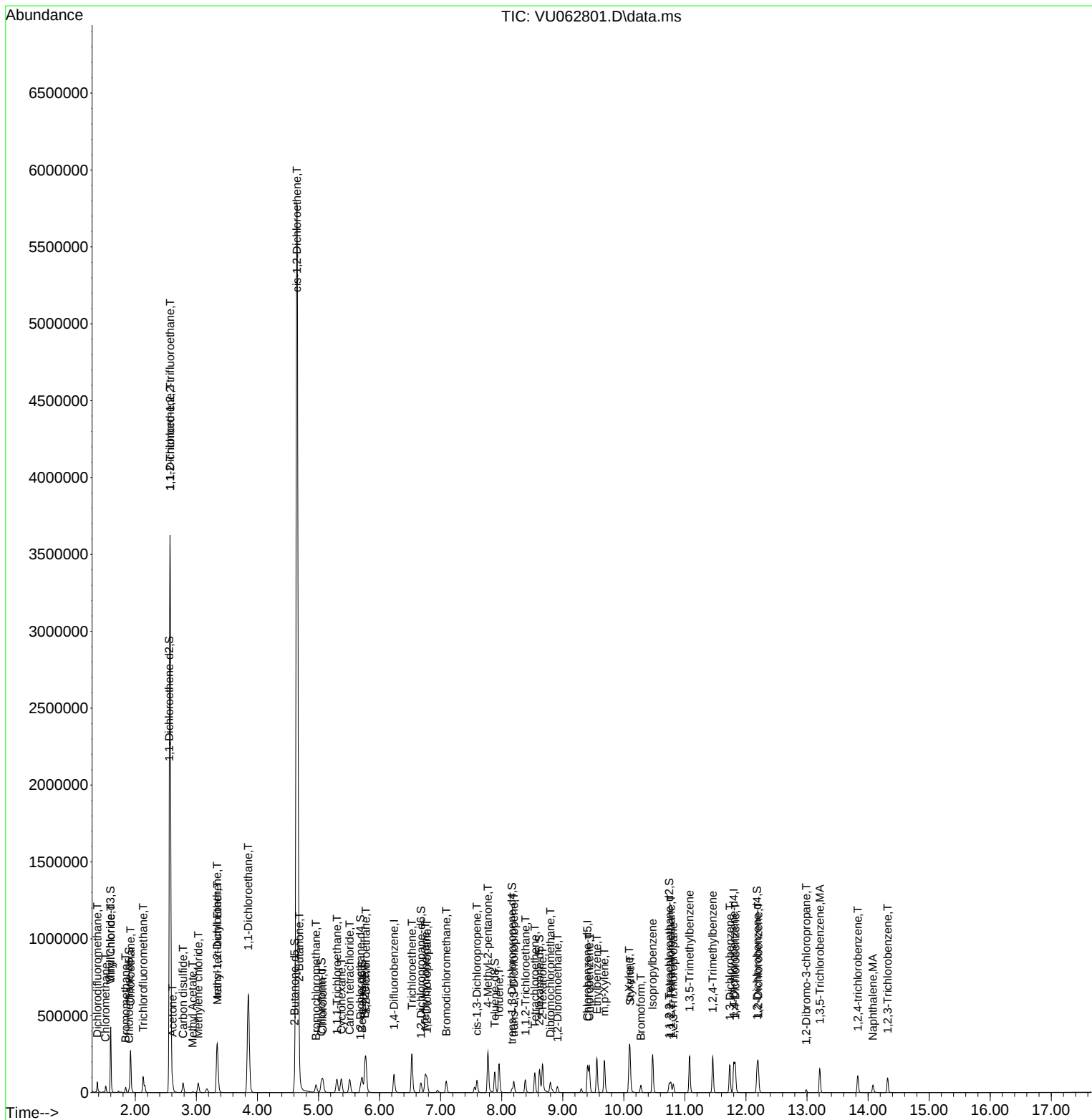
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 ClientSampleId :

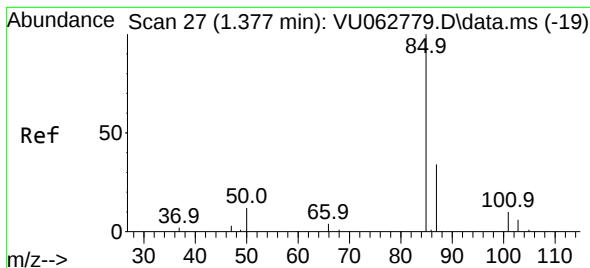
Quant Time: Jan 16 07:01:07 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	153774	16.440	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	66824	4.815	ug/L	100
30) Cyclohexane	5.377	56	42616	4.702	ug/L	96
31) Carbon tetrachloride	5.512	117	62229	4.879	ug/L	99
33) Benzene	5.759	78	137490	5.230	ug/L	100
34) Trichloroethene	6.531	95	86819	9.669	ug/L	97
35) Methylcyclohexane	6.750	83	47845	4.330	ug/L	96
37) 1,2-Dichloropropane	6.779	63	30288	4.884	ug/L	99
38) Bromodichloromethane	7.094	83	49934	5.007	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	47136	4.465	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	150046	51.800	ug/L	99
42) Toluene	7.959	91	138502	4.808	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	42479	4.667	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	25344	5.032	ug/L	95
47) Tetrachloroethene	8.544	164	28274	4.572	ug/L	97
48) 2-Hexanone	8.669	43	103344	49.626	ug/L	98
49) Dibromochloromethane	8.798	129	33858	5.007	ug/L	93
50) 1,2-Dibromoethane	8.913	107	25731	5.340	ug/L	97
51) Chlorobenzene	9.434	112	92217	4.896	ug/L	99
52) Ethylbenzene	9.560	91	157867	4.830	ug/L	97
53) m,p-Xylene	9.682	106	57837	4.731	ug/L	100
54) o-Xylene	10.090	106	56601	4.834	ug/L	97
55) Styrene	10.103	104	95979	4.900	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	30177	5.342	ug/L #	96
59) Bromoform	10.280	173	21496	5.141	ug/L	98
60) Isopropylbenzene	10.473	105	159479	4.828	ug/L	100
61) 1,2,3-Trichloropropane	10.810	75	22125	5.204	ug/L	97
62) 1,3,5-Trimethylbenzene	11.077	105	133694	4.762	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	130348	4.799	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	73384	4.792	ug/L	96
65) 1,4-Dichlorobenzene	11.827	146	71751	4.646	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	71215	4.962	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	5335	4.844	ug/L	90
69) 1,3,5-Trichlorobenzene	13.209	180	48897	4.239	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	36125	3.889	ug/L	99
71) Naphthalene	14.080	128	46977	3.456	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	30085	3.715	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 4.599 ug/L

RT: 1.380 min Scan# 27

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

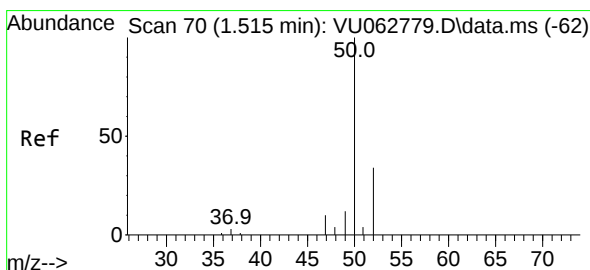
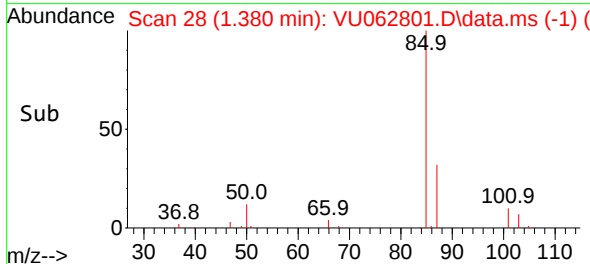
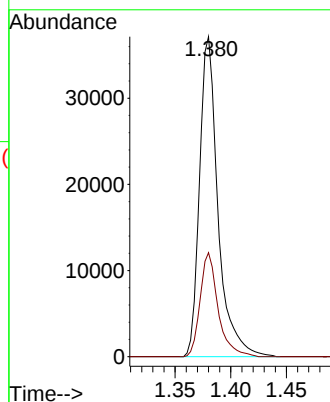
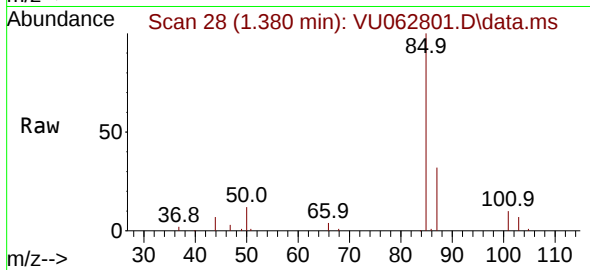
ClientSampleId :

Tgt Ion: 85 Resp: 42824

Ion Ratio Lower Upper

85 100

87 31.7 26.1 39.1



#3

Chloromethane

Concen: 4.394 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU062801.D

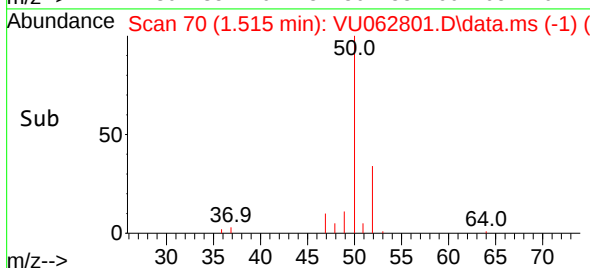
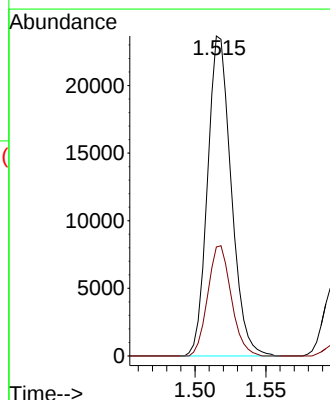
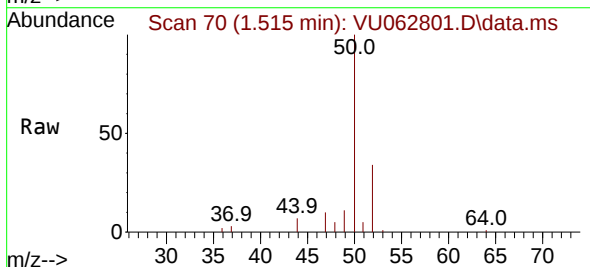
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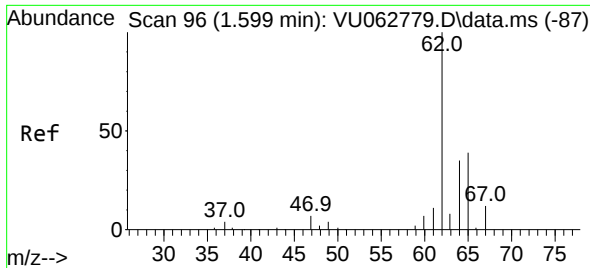
Tgt Ion: 50 Resp: 27457

Ion Ratio Lower Upper

50 100

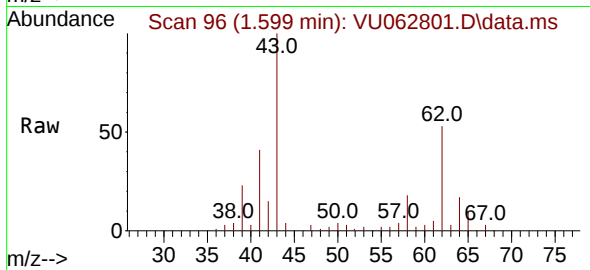
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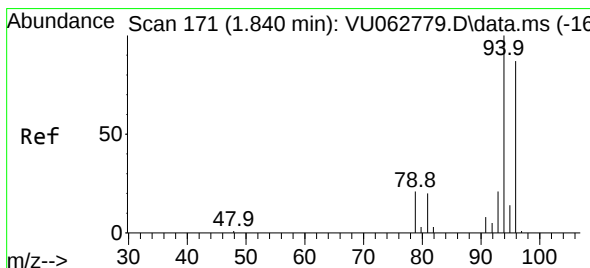
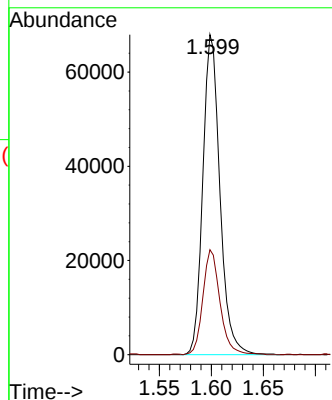
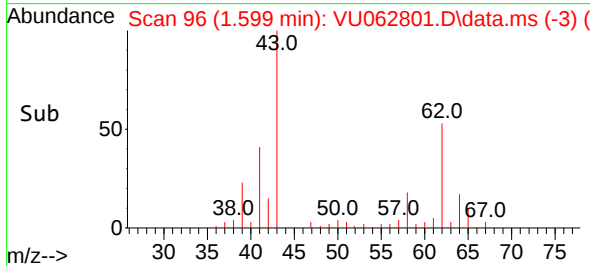


#5
 Vinyl chloride
 Concen: 11.014 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

Instrument :
 MSVOA_U
 ClientSampleId :

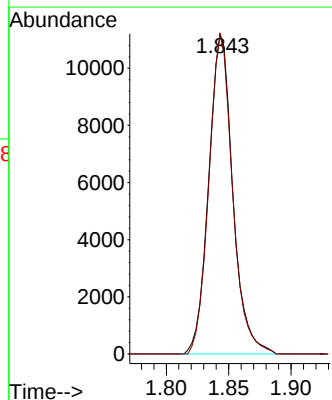
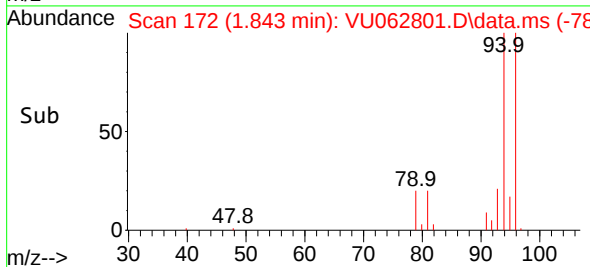
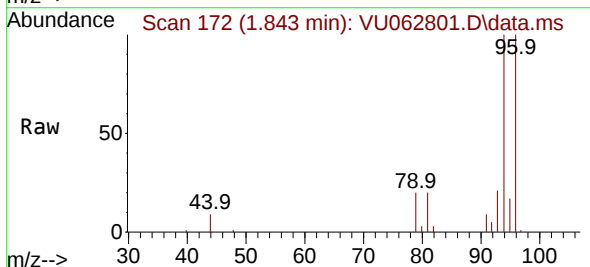


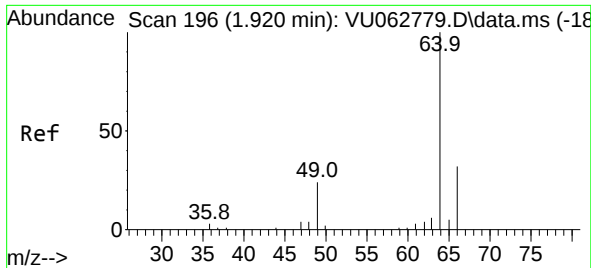
Tgt Ion: 62 Resp: 77502
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.4



#6
 Bromomethane
 Concen: 2.942 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.003 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

Tgt Ion: 94 Resp: 15062
 Ion Ratio Lower Upper
 94 100
 96 99.8 62.9 116.7

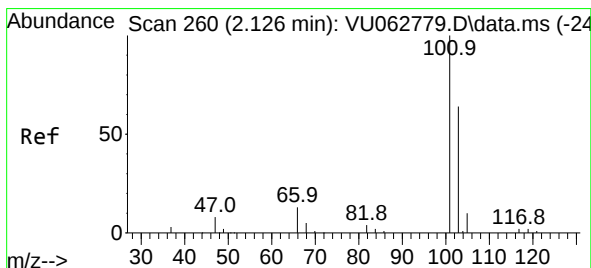
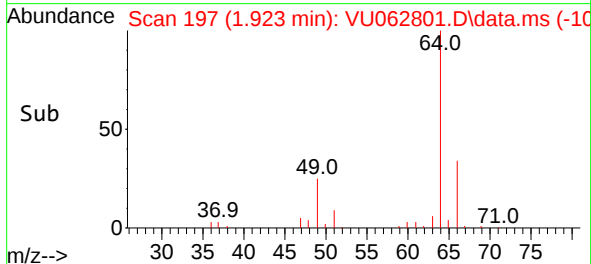
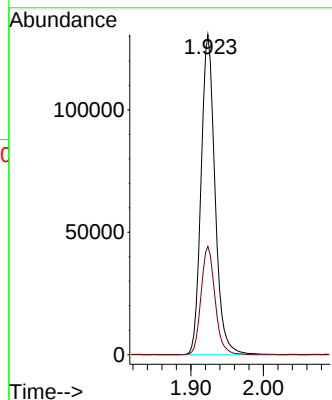
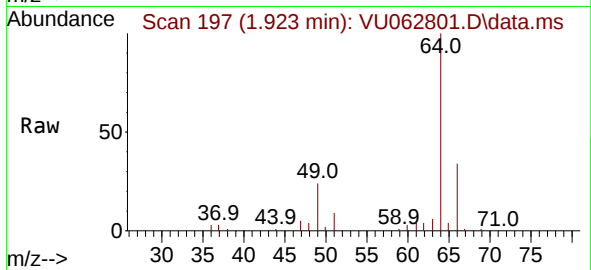




#8
Chloroethane
Concen: 41.307 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

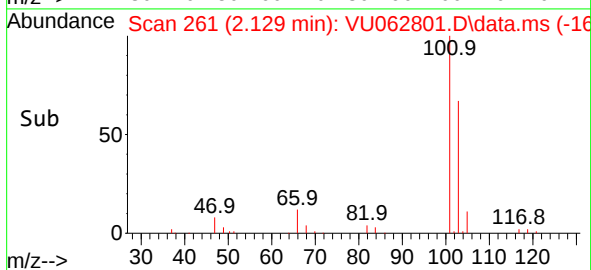
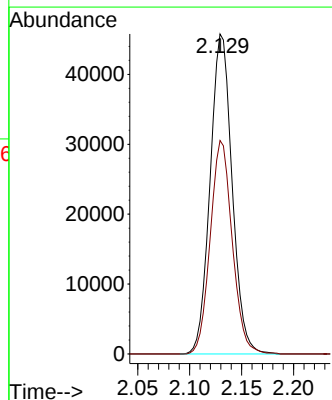
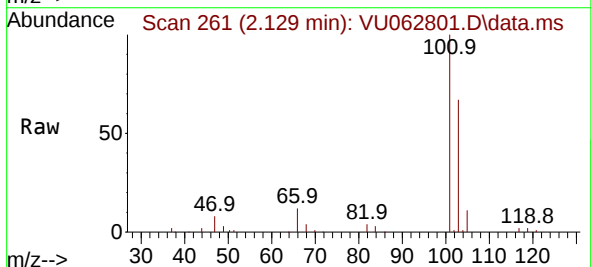
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MSVOA_U
ClientSampleId :

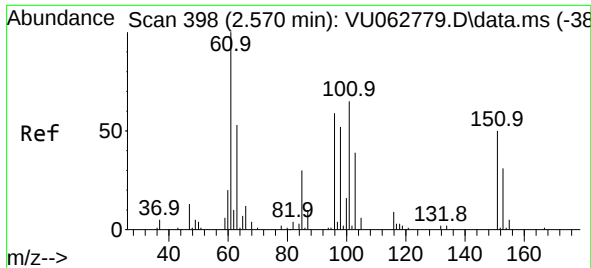
Tgt Ion: 64 Resp: 174632
Ion Ratio Lower Upper
64 100
66 33.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.747 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion: 101 Resp: 67380
Ion Ratio Lower Upper
101 100
103 66.7 51.4 77.0

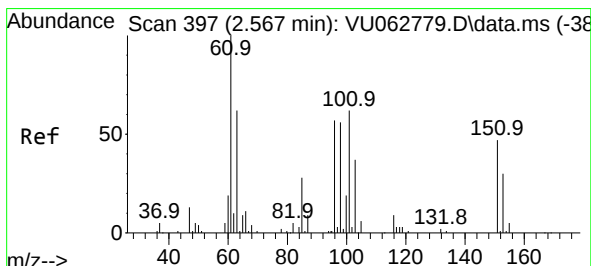
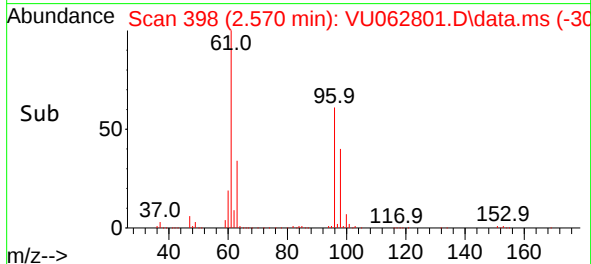
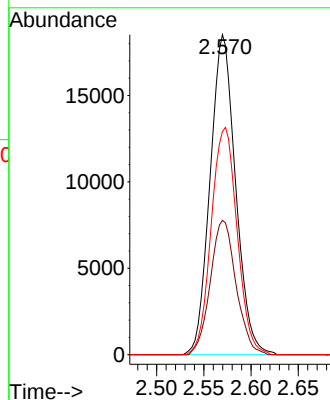
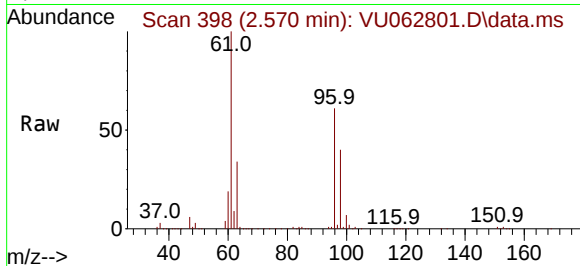




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.067 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

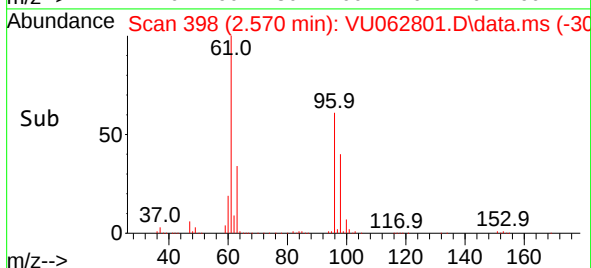
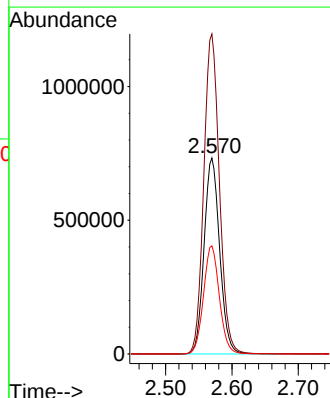
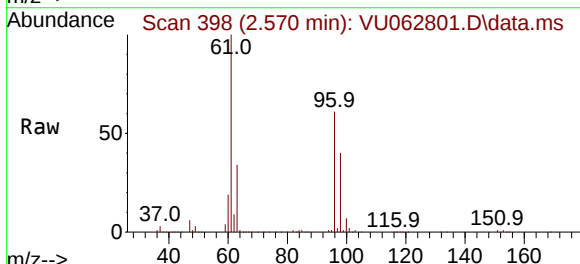
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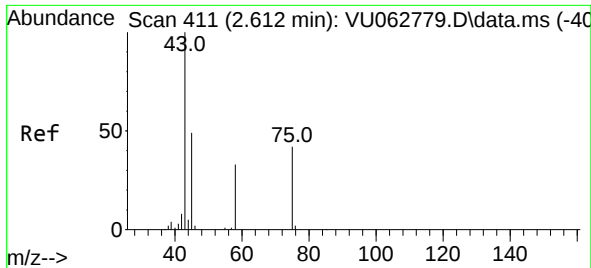
Tgt Ion:101 Resp: 34751
 Ion Ratio Lower Upper
 101 100
 85 42.3 37.0 55.6
 151 72.1 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 197.534 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

Tgt Ion: 96 Resp: 1198615
 Ion Ratio Lower Upper
 96 100
 61 163.3 120.4 223.6
 63 55.2 82.3 152.9#





#13

Acetone

Concen: 51.535 ug/L

RT: 2.611 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

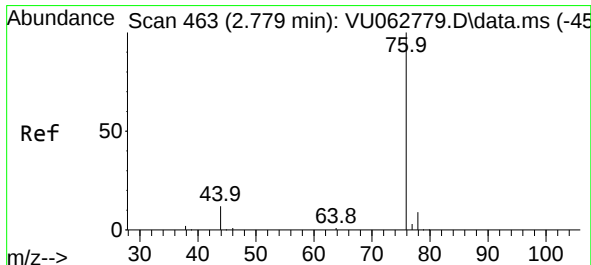
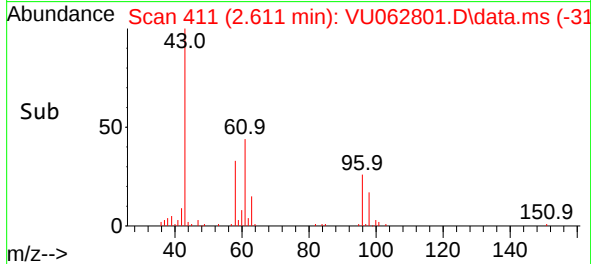
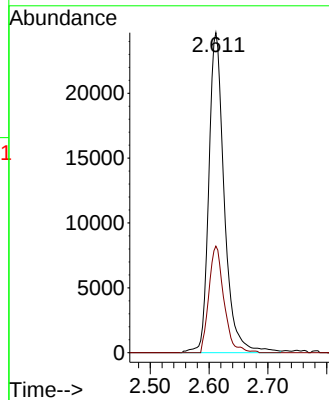
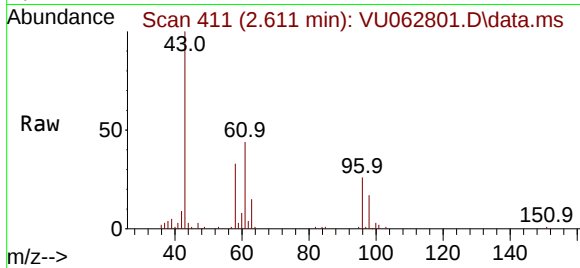
ClientSampleId :

Tgt Ion: 43 Resp: 45170

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



#14

Carbon disulfide

Concen: 4.297 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU062801.D

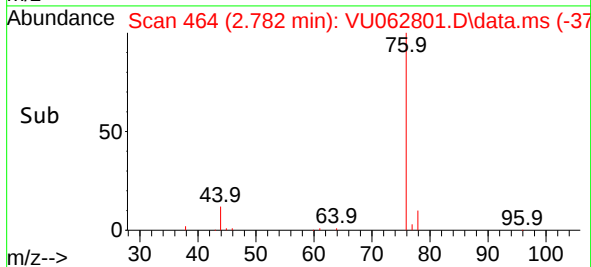
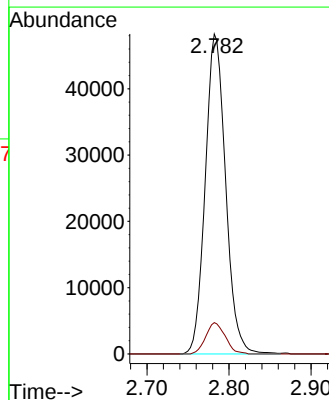
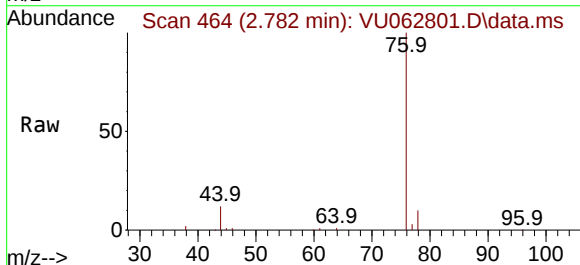
Acq: 16 Jan 2025 06:08

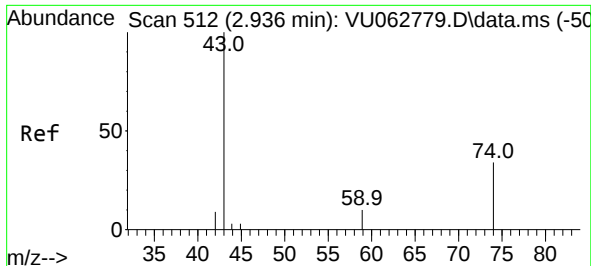
Tgt Ion: 76 Resp: 83282

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6

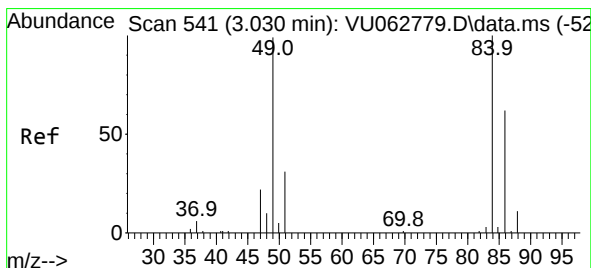
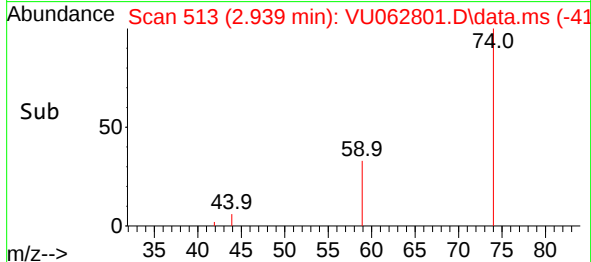
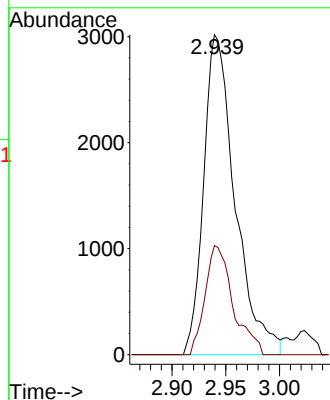
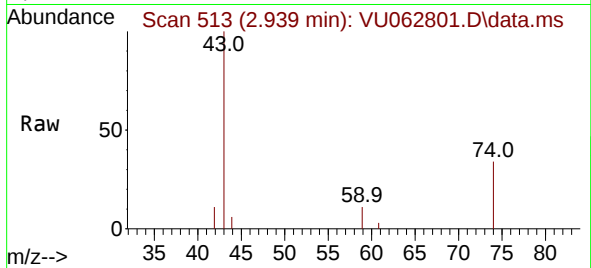




#15
Methyl Acetate
Concen: 3.228 ug/L
RT: 2.939 min Scan# 512
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

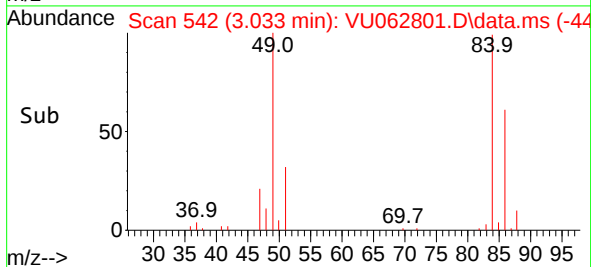
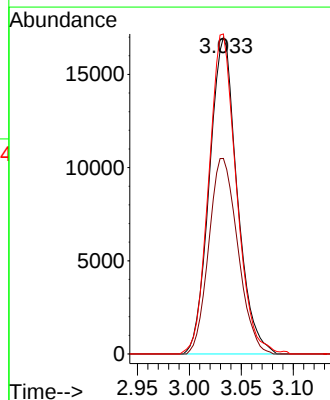
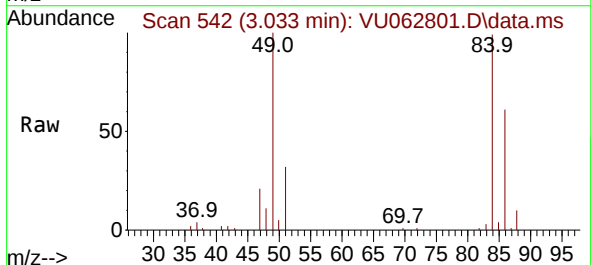
Instrument :
MSVOA_U
ClientSampleId :

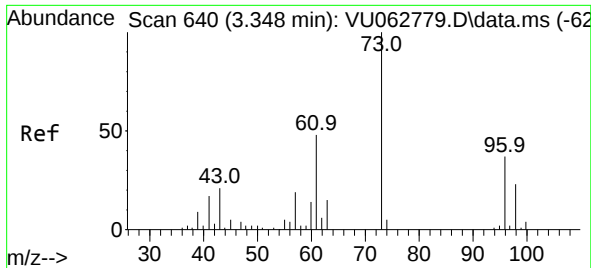
Tgt Ion: 43 Resp: 6127
Ion Ratio Lower Upper
43 100
74 30.3 24.4 36.6



#16
Methylene chloride
Concen: 4.752 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

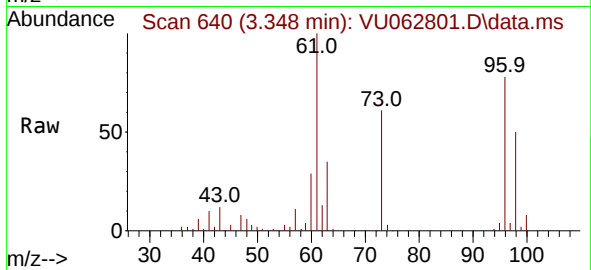
Tgt Ion: 84 Resp: 31583
Ion Ratio Lower Upper
84 100
86 61.8 44.7 83.1
49 101.1 68.3 126.9



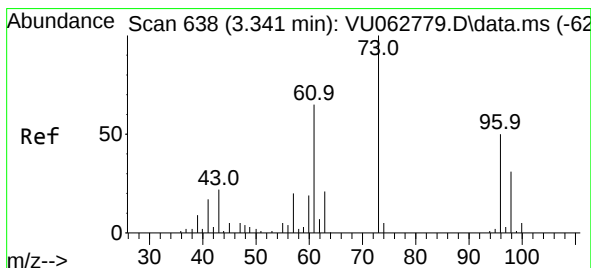
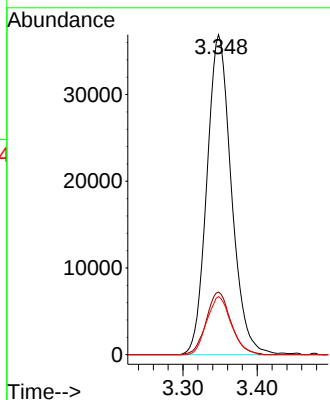
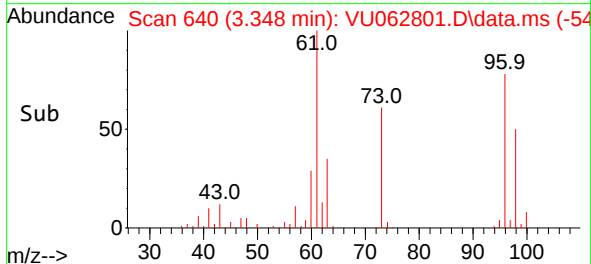


#17
Methyl tert-butyl Ether
Concen: 5.067 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

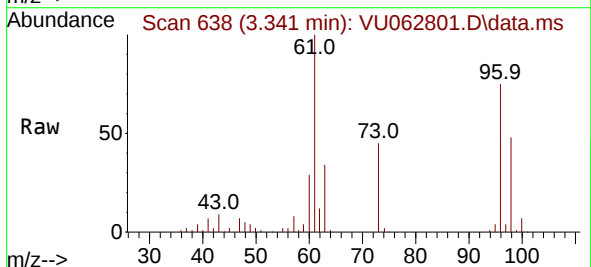
Instrument :
MSVOA_U
ClientSampleId :



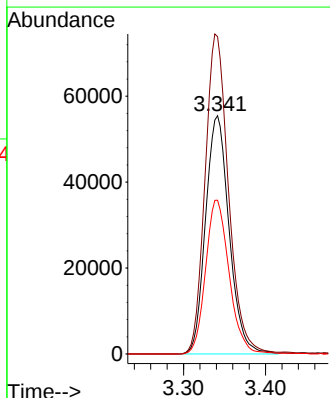
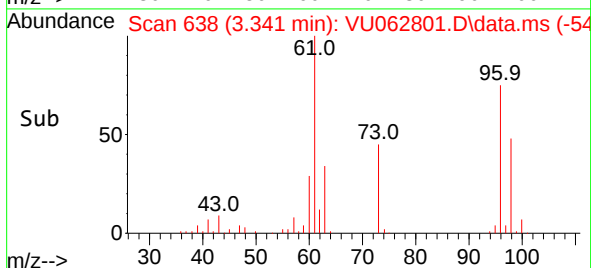
Tgt Ion: 73 Resp: 84506
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.4
57 18.1 14.6 22.0

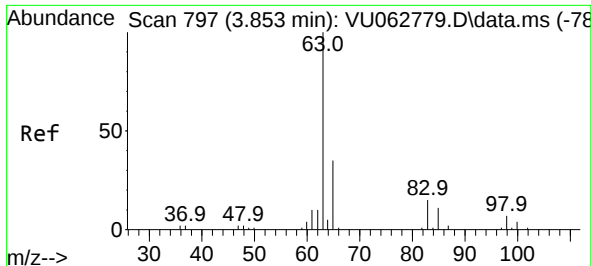


#18
trans-1,2-Dichloroethene
Concen: 17.073 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08



Tgt Ion: 96 Resp: 110987
Ion Ratio Lower Upper
96 100
61 133.2 94.4 175.2
98 64.5 42.8 79.4





#19

1,1-Dichloroethane

Concen: 60.436 ug/L

RT: 3.853 min Scan# 79

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

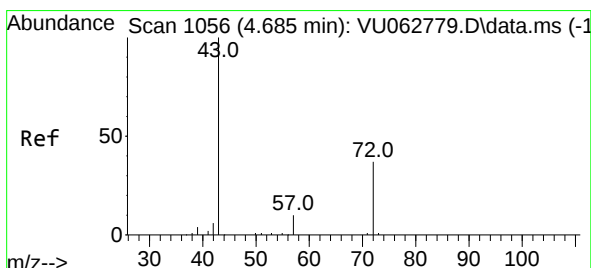
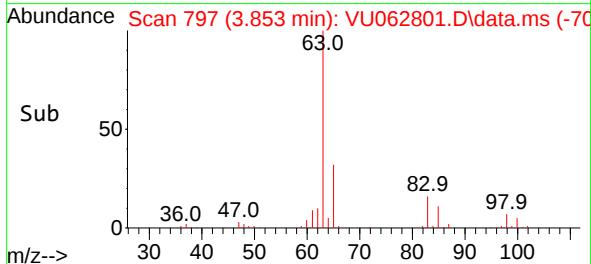
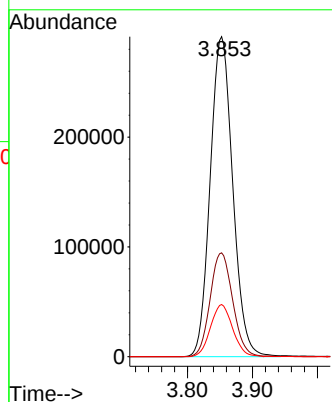
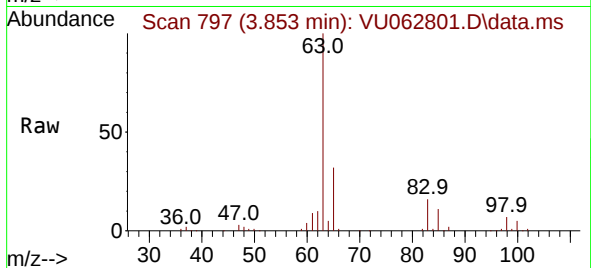
Tgt Ion: 63 Resp: 702470

Ion Ratio Lower Upper

63 100

65 32.5 20.7 38.5

83 16.3 10.5 19.5



#21

2-Butanone

Concen: 51.641 ug/L

RT: 4.685 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VU062801.D

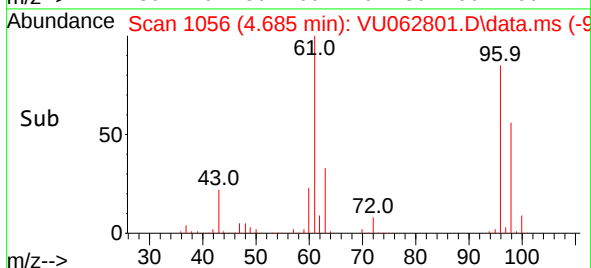
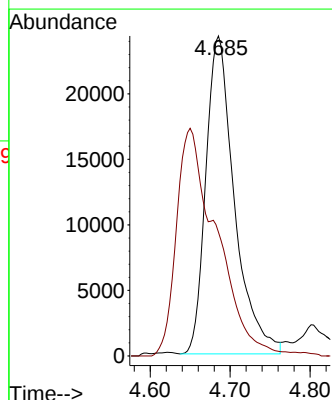
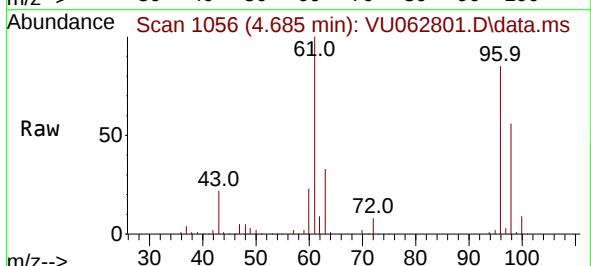
Acq: 16 Jan 2025 06:08

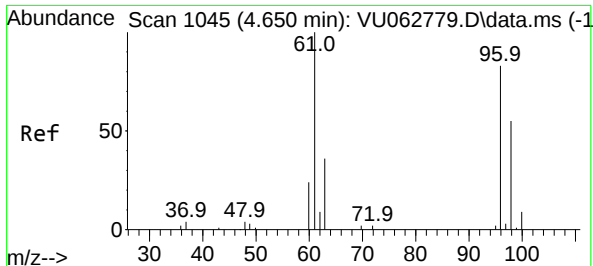
Tgt Ion: 43 Resp: 60282

Ion Ratio Lower Upper

43 100

72 101.0 17.1 51.2#





#22

cis-1,2-Dichloroethene

Concen: 441.646 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

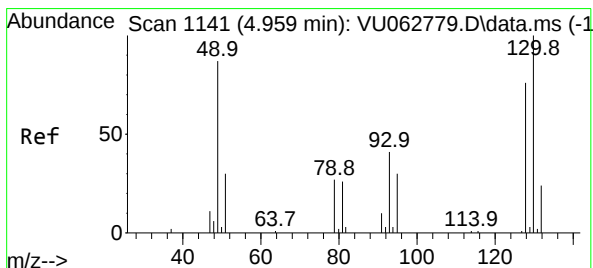
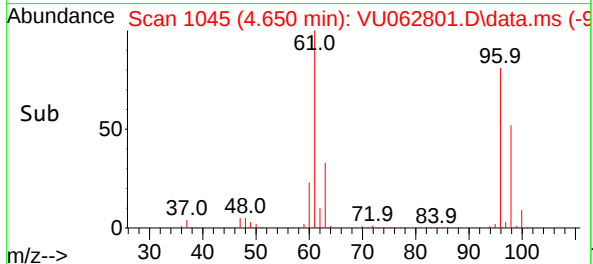
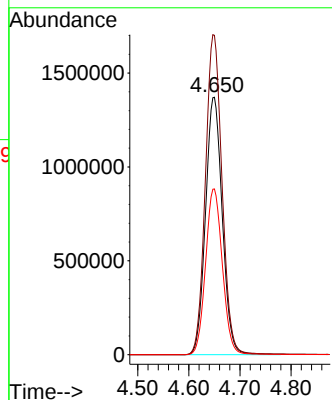
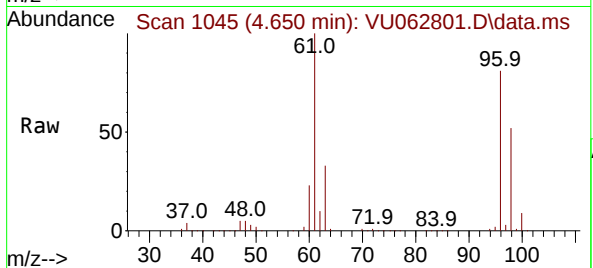
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 3126629

Ion	Ratio	Lower	Upper
96	100		
61	124.0	84.8	157.6
98	64.3	43.1	80.1



#23

Bromochloromethane

Concen: 5.044 ug/L

RT: 4.959 min Scan# 1141

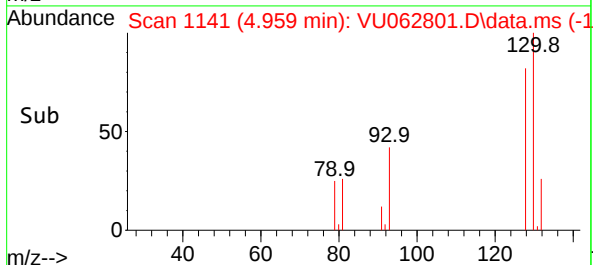
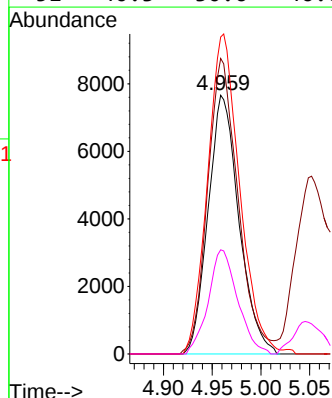
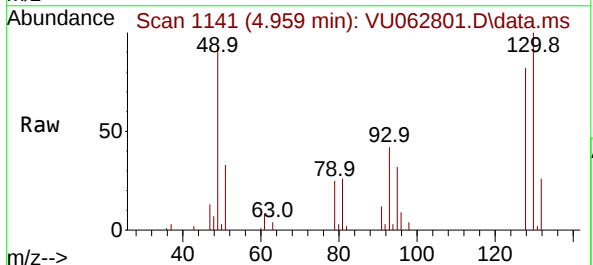
Delta R.T. -0.000 min

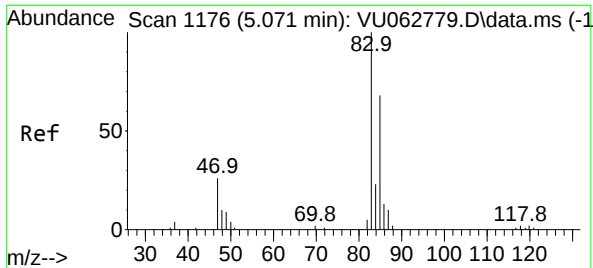
Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Tgt Ion:128 Resp: 16858

Ion	Ratio	Lower	Upper
128	100		
49	114.3	81.1	150.7
130	122.5	94.9	176.3
51	40.3	30.6	46.0

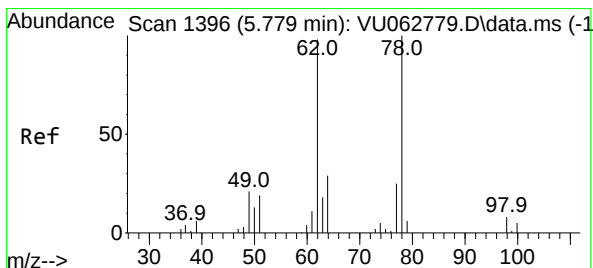
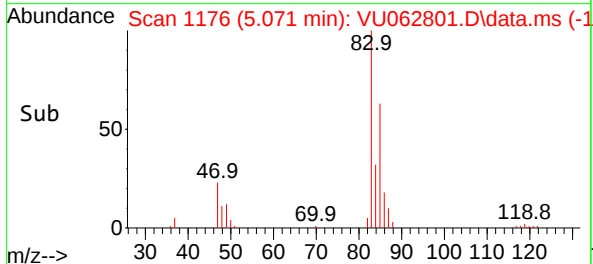
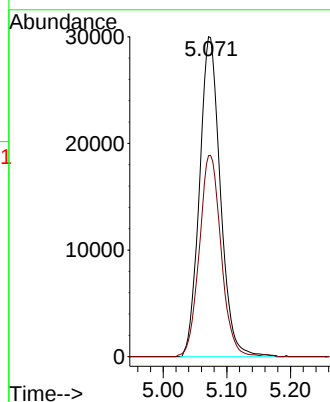
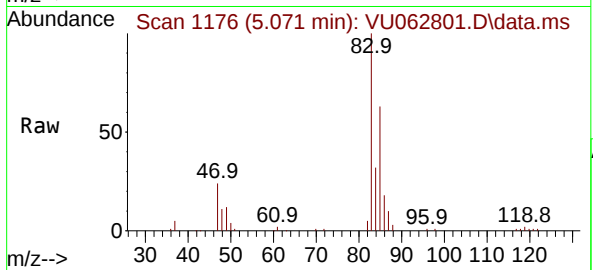




#25
Chloroform
Concen: 4.778 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

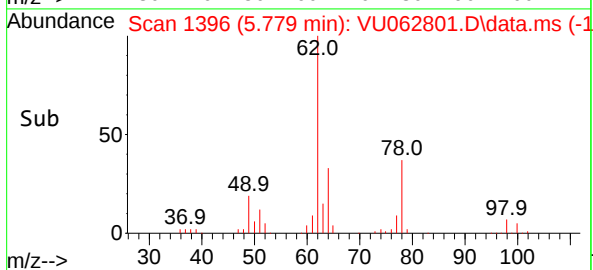
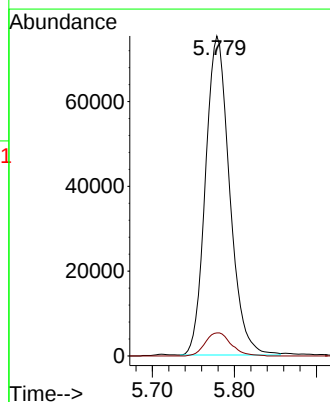
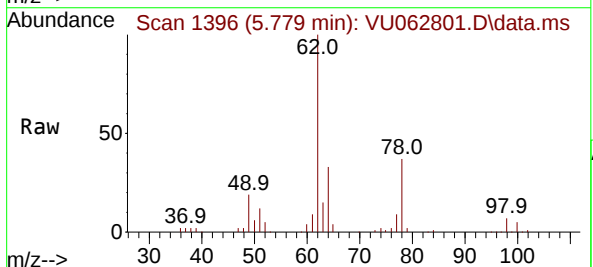
Instrument :
MSVOA_U
ClientSampleId :

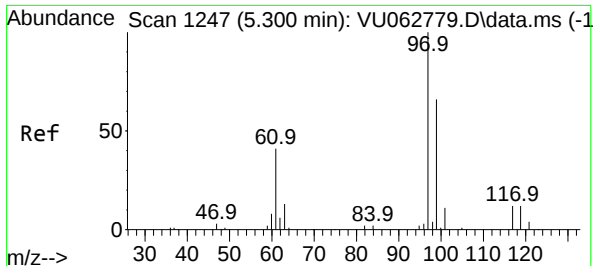
Tgt Ion: 83 Resp: 68345
Ion Ratio Lower Upper
83 100
85 62.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 16.440 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion: 62 Resp: 153774
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 4.815 ug/L

RT: 5.303 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

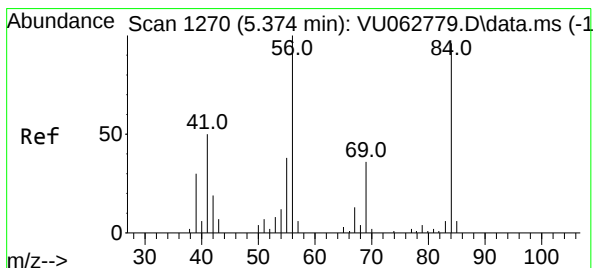
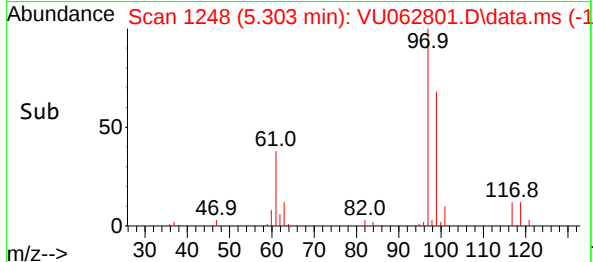
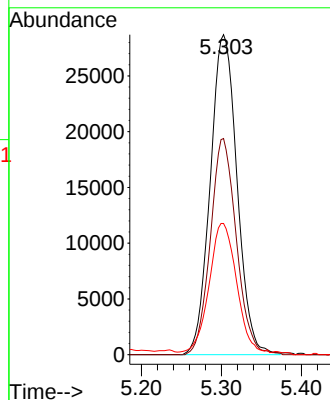
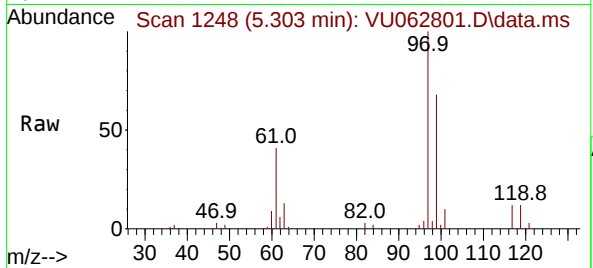
Tgt Ion: 97 Resp: 66824

Ion Ratio Lower Upper

97 100

99 65.5 52.4 78.6

61 40.5 32.2 48.4



#30

Cyclohexane

Concen: 4.702 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

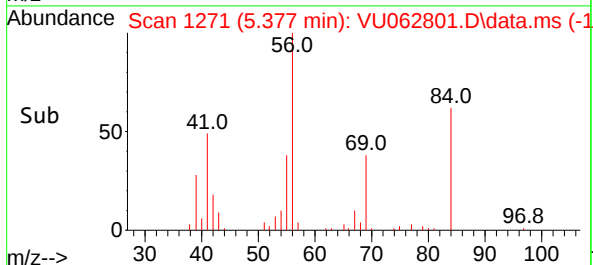
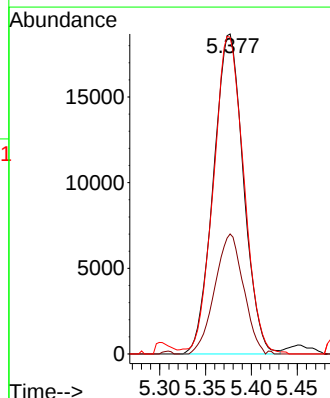
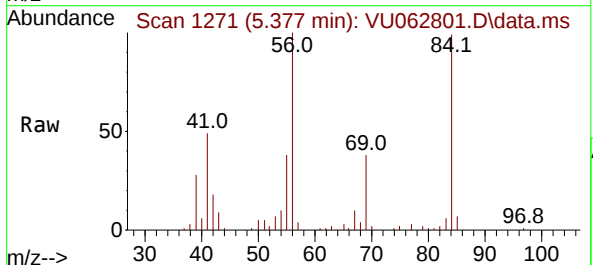
Tgt Ion: 56 Resp: 42616

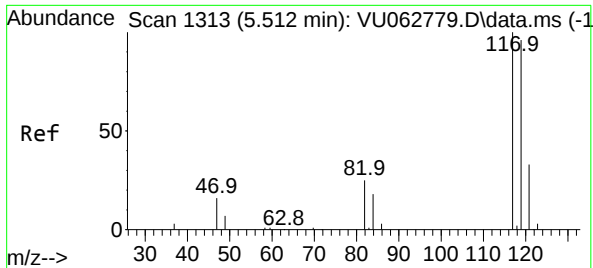
Ion Ratio Lower Upper

56 100

69 35.8 28.3 42.5

84 100.3 76.5 114.7

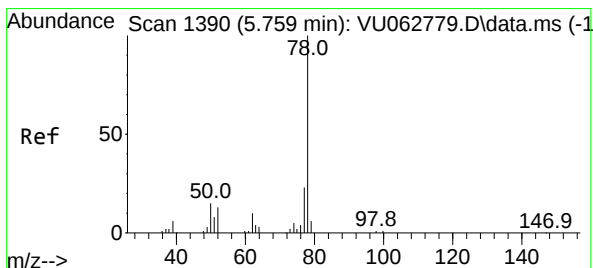
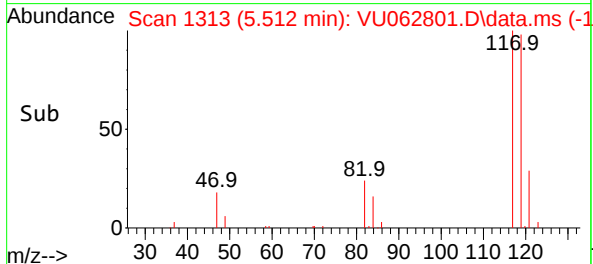
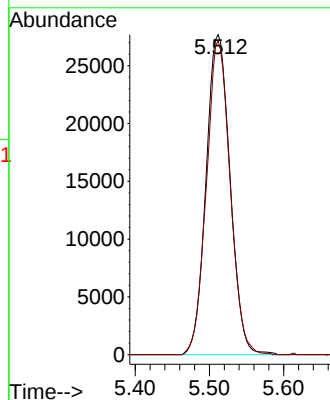
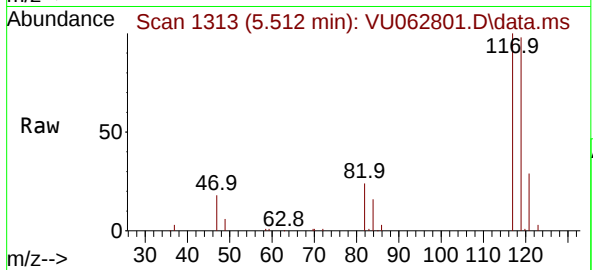




#31
Carbon tetrachloride
Concen: 4.879 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

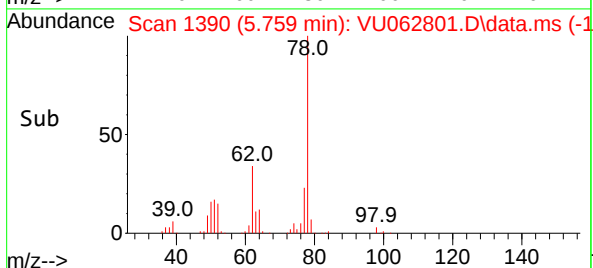
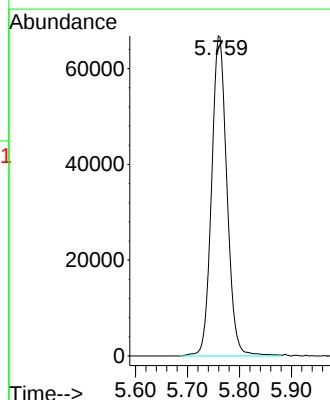
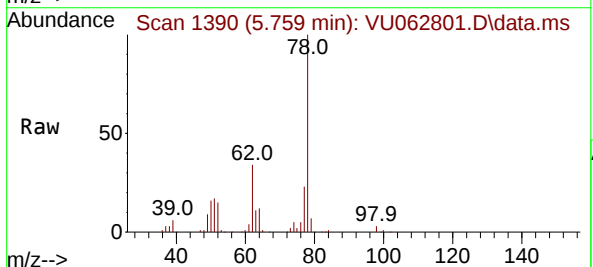
Instrument : MSVOA_U
ClientSampleId :

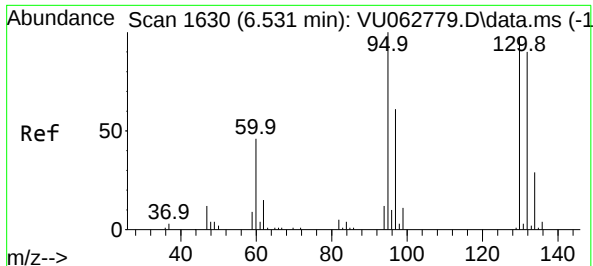
Tgt Ion:117 Resp: 62229
Ion Ratio Lower Upper
117 100
119 96.9 78.6 118.0



#33
Benzene
Concen: 5.230 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion: 78 Resp: 137490





#34

Trichloroethene

Concen: 9.669 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 86819

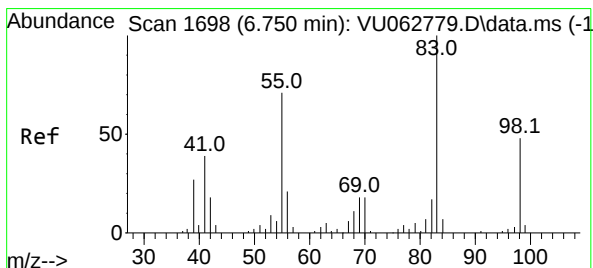
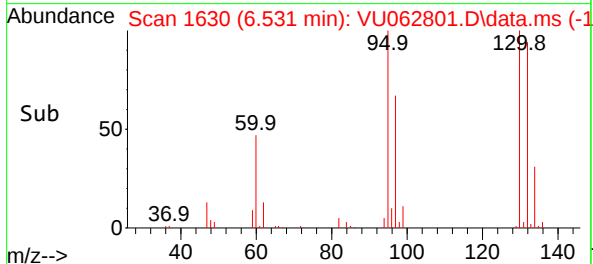
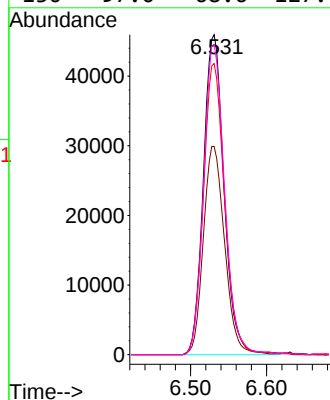
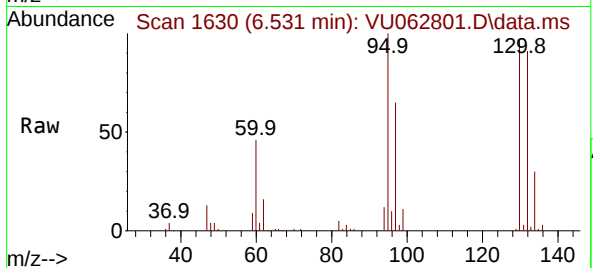
Ion Ratio Lower Upper

95 100

97 65.1 47.5 88.3

132 91.0 66.9 124.3

130 97.0 68.6 127.4



#35

Methylcyclohexane

Concen: 4.330 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

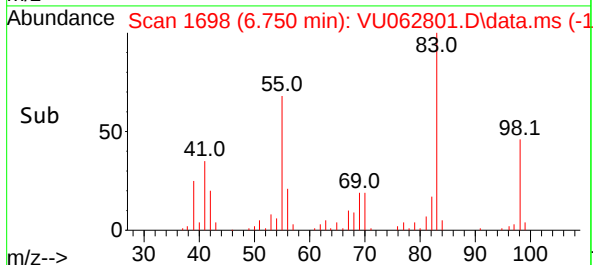
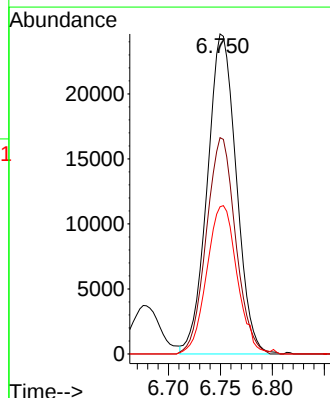
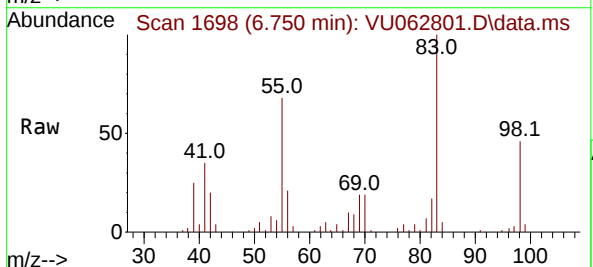
Tgt Ion: 83 Resp: 47845

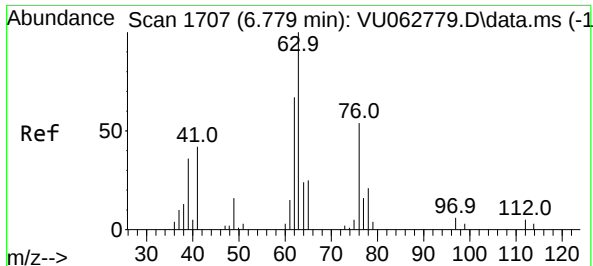
Ion Ratio Lower Upper

83 100

55 68.1 57.2 85.8

98 48.6 36.6 55.0





#37

1,2-Dichloropropane

Concen: 4.884 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

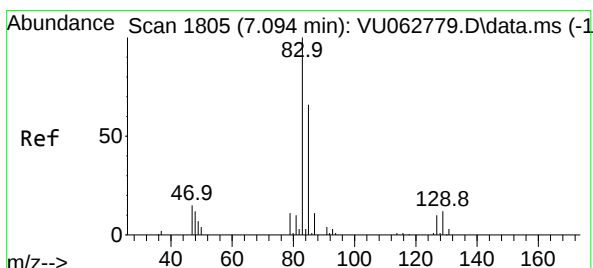
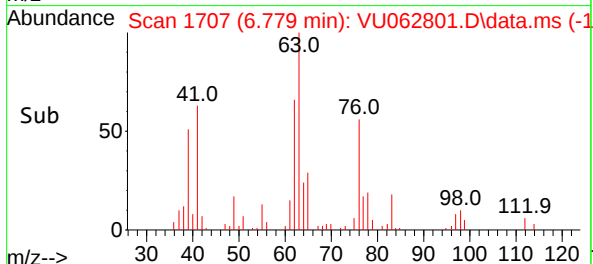
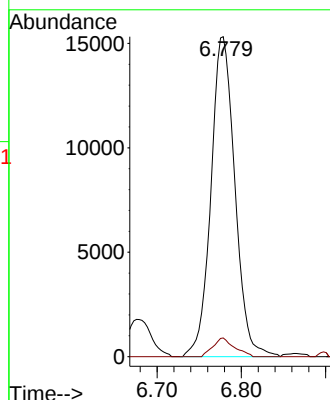
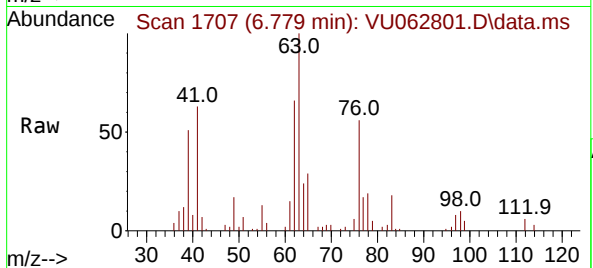
ClientSampleId :

Tgt Ion: 63 Resp: 30288

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 5.007 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

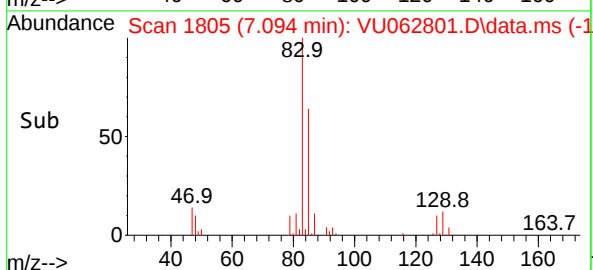
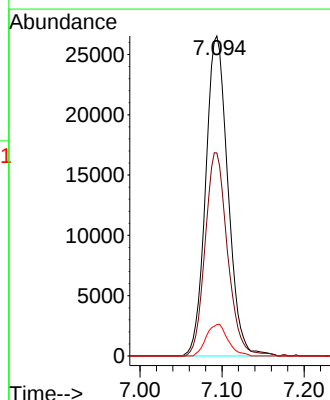
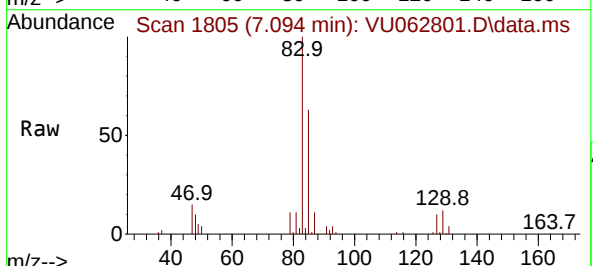
Tgt Ion: 83 Resp: 49934

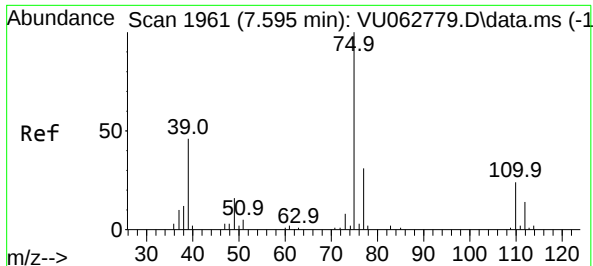
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

127 9.8 7.8 11.8

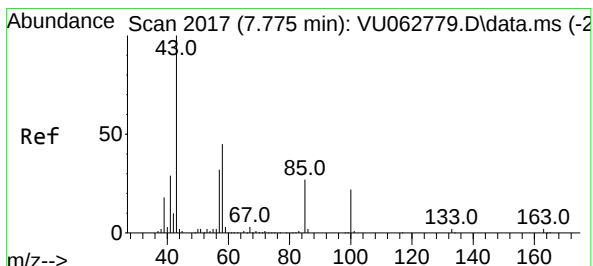
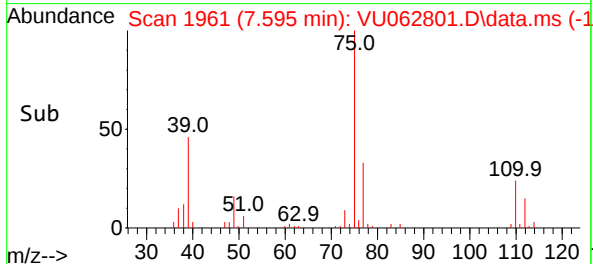
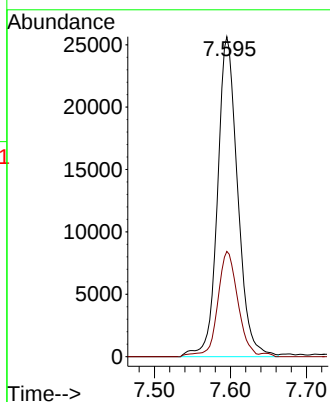
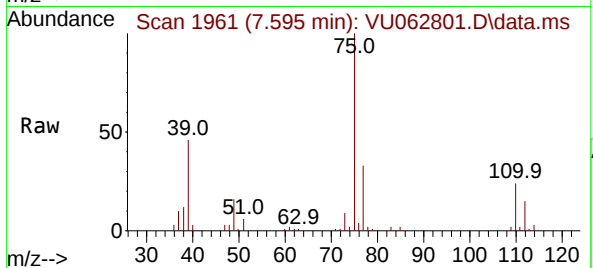




#39
 cis-1,3-Dichloropropene
 Concen: 4.465 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

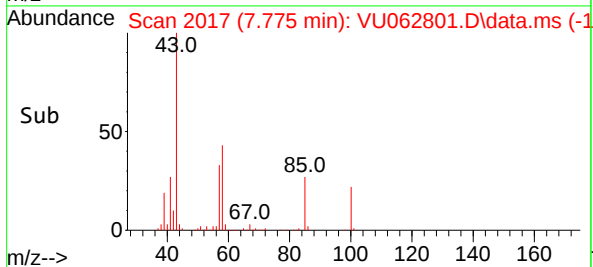
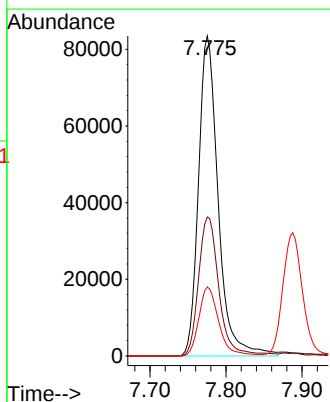
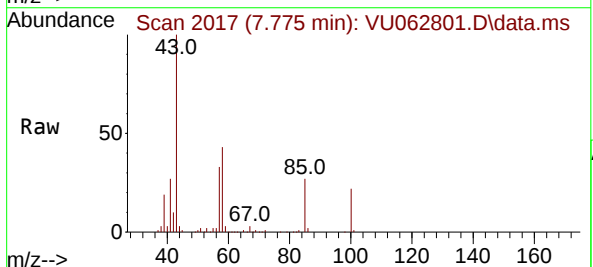
Instrument :
 MSVOA_U
 ClientSampleId :

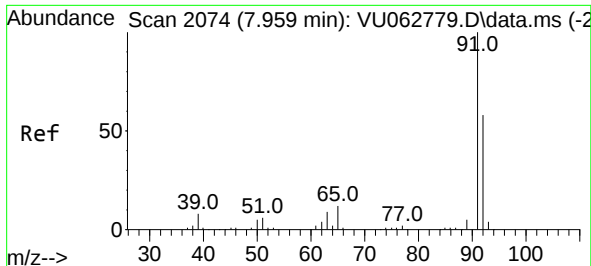
Tgt Ion: 75 Resp: 47136
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.800 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

Tgt Ion: 43 Resp: 150046
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.8 53.8
 100 21.8 16.8 25.2





#42

Toluene

Concen: 4.808 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

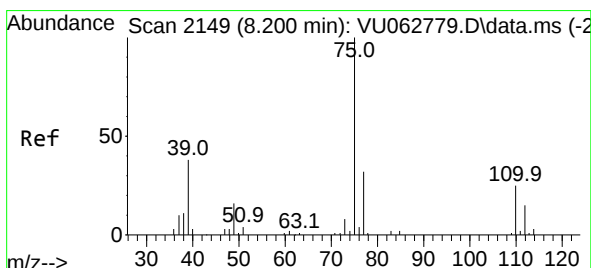
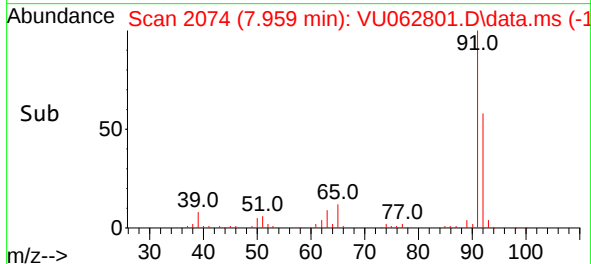
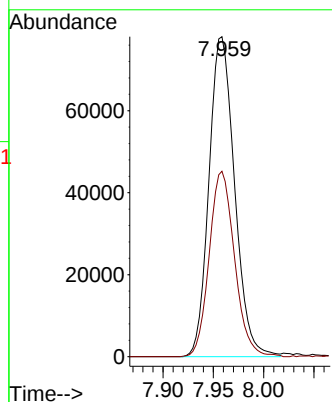
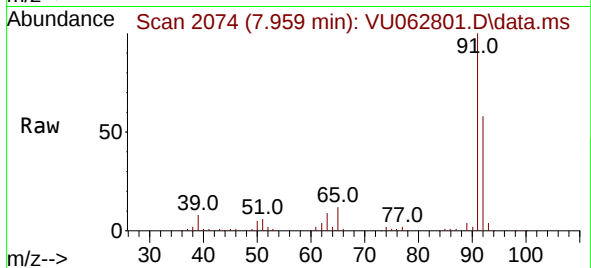
ClientSampleId :

Tgt Ion: 91 Resp: 138502

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.667 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU062801.D

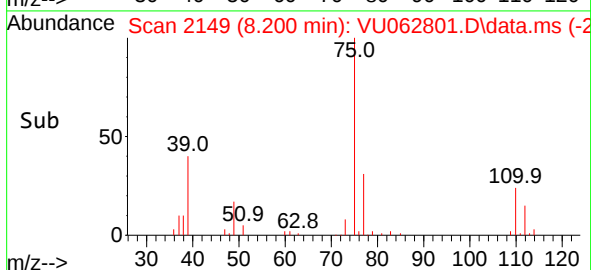
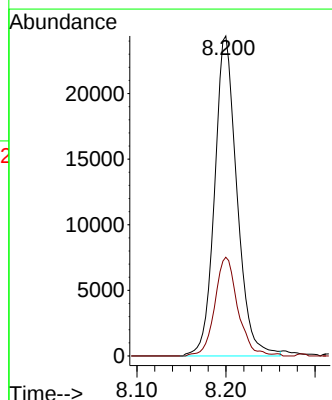
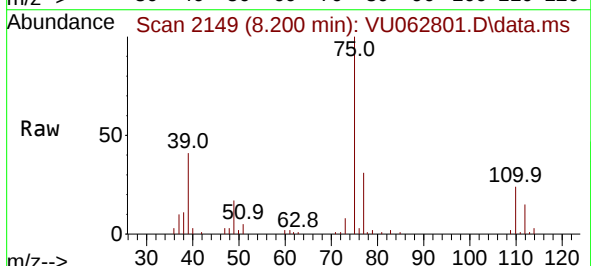
Acq: 16 Jan 2025 06:08

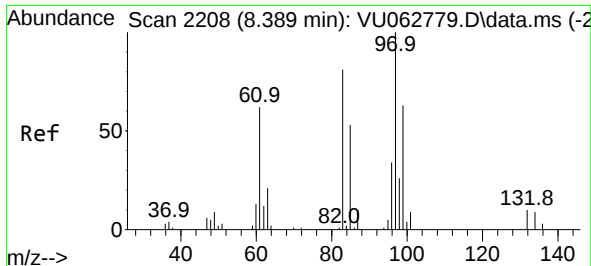
Tgt Ion: 75 Resp: 42479

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.032 ug/L

RT: 8.389 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 25344

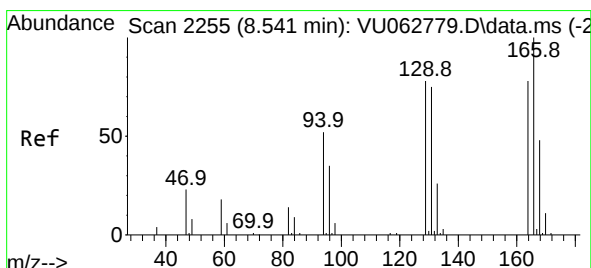
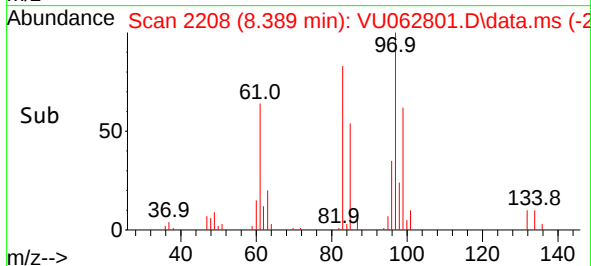
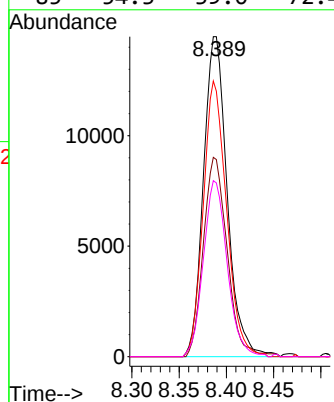
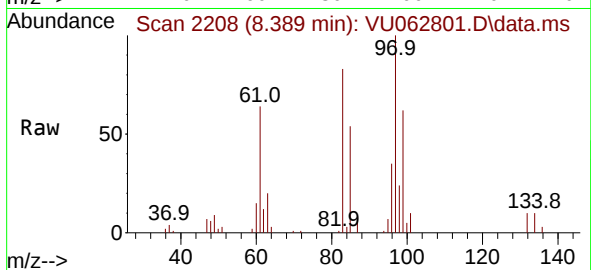
Ion Ratio Lower Upper

97 100

99 61.6 45.6 84.6

83 83.0 63.0 117.0

85 54.3 39.0 72.4



#47

Tetrachloroethene

Concen: 4.572 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Tgt Ion:164 Resp: 28274

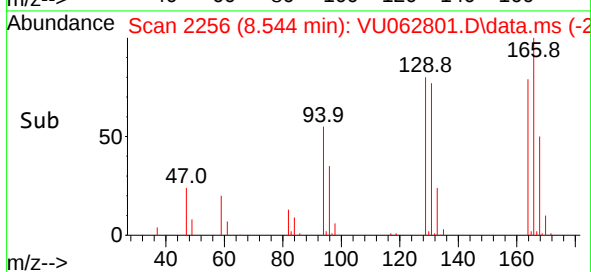
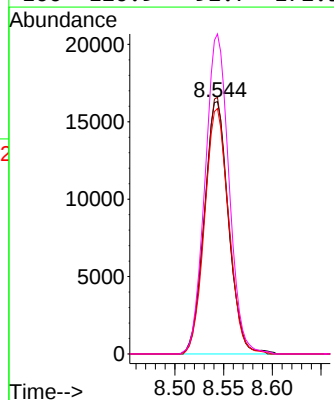
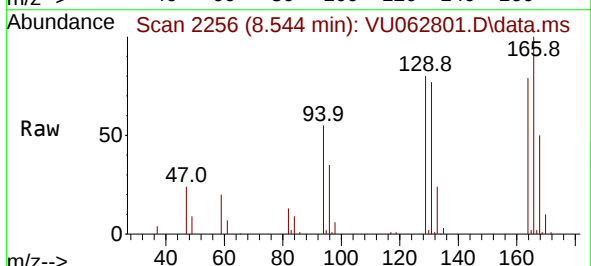
Ion Ratio Lower Upper

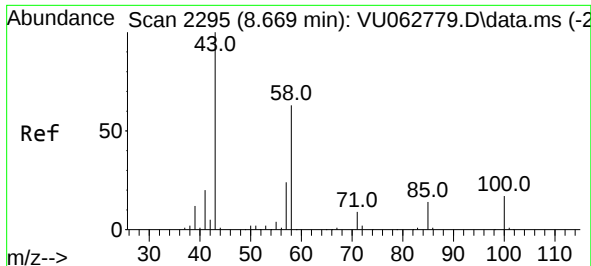
164 100

129 101.7 71.0 131.9

131 97.3 69.4 129.0

166 126.9 92.7 172.3

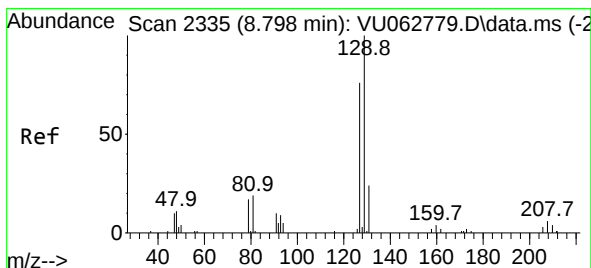
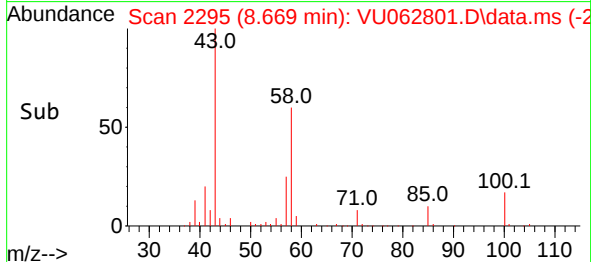
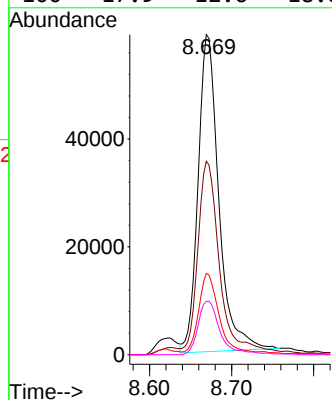
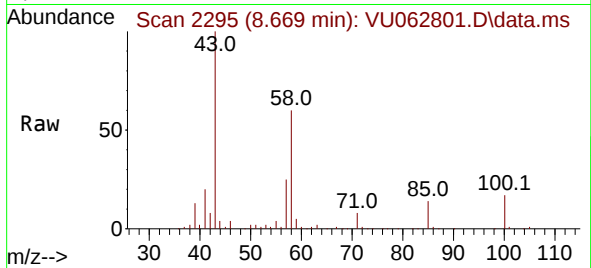




#48
2-Hexanone
Concen: 49.626 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

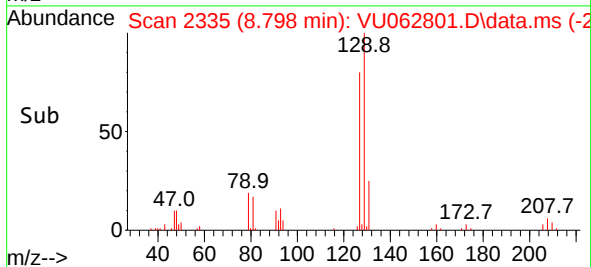
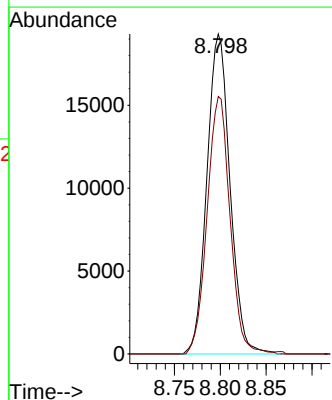
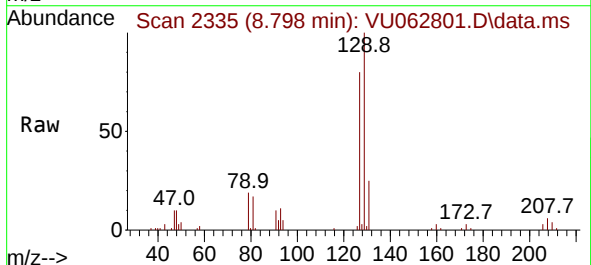
Instrument :
MSVOA_U
ClientSampleId :

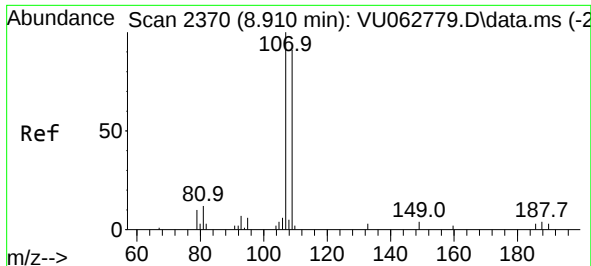
Tgt Ion:	43	Resp:	103344
Ion	Ratio	Lower	Upper
43	100		
58	62.2	50.2	75.4
57	23.9	19.9	29.9
100	17.9	12.6	18.8



#49
Dibromochloromethane
Concen: 5.007 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion:	129	Resp:	33858
Ion	Ratio	Lower	Upper
129	100		
127	80.4	52.1	96.9





#50

1,2-Dibromoethane

Concen: 5.340 ug/L

RT: 8.913 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

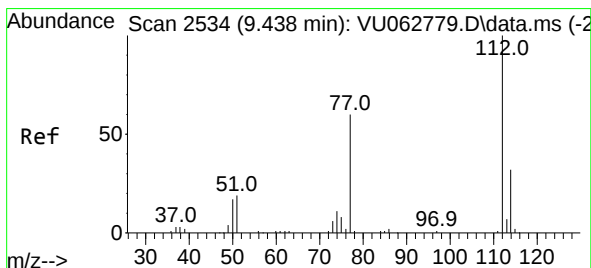
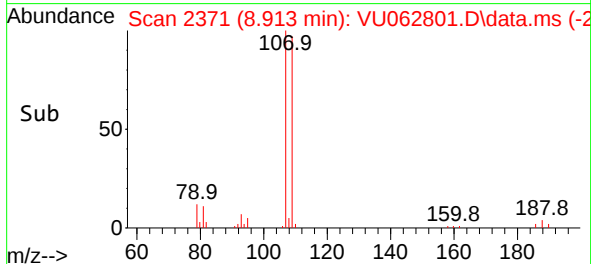
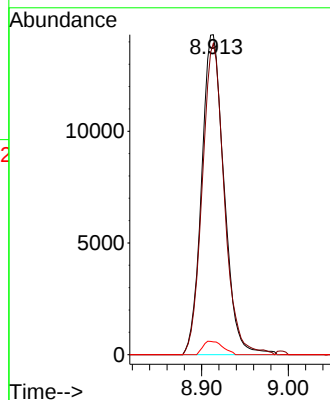
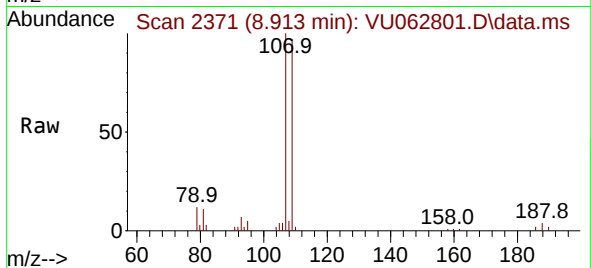
Tgt Ion:107 Resp: 25731

Ion Ratio Lower Upper

107 100

109 97.2 65.7 121.9

188 4.0 3.4 5.2



#51

Chlorobenzene

Concen: 4.896 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

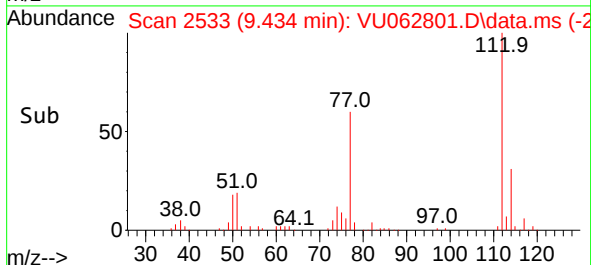
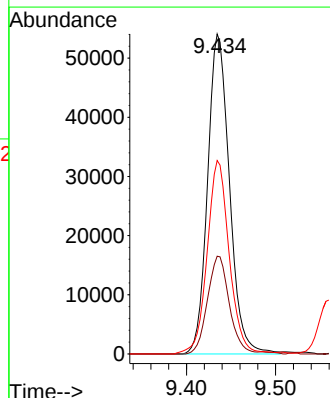
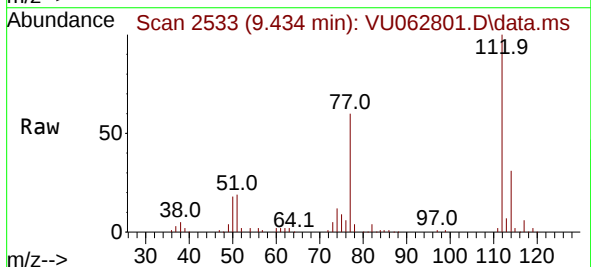
Tgt Ion:112 Resp: 92217

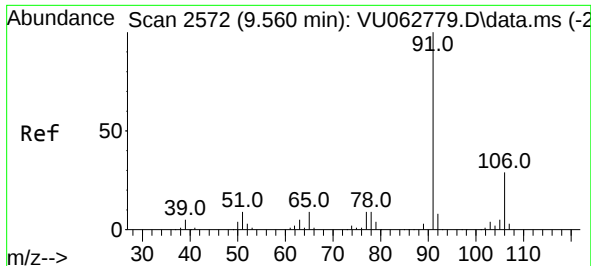
Ion Ratio Lower Upper

112 100

114 30.6 21.7 40.3

77 60.5 48.6 73.0

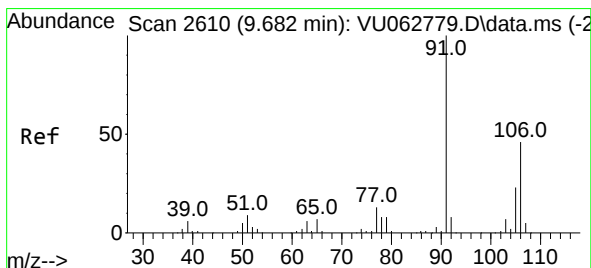
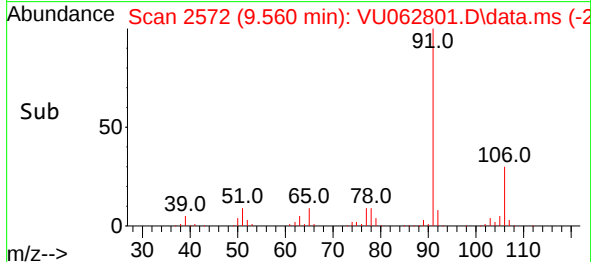
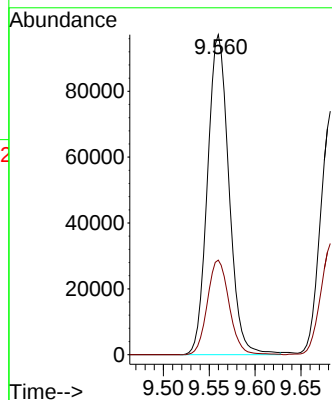
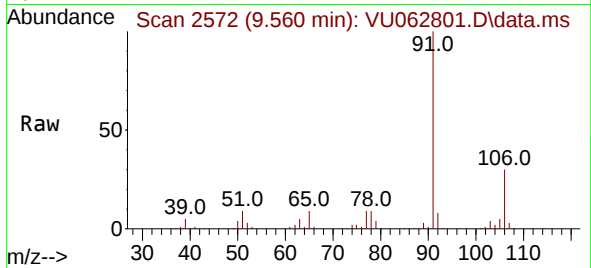




#52
Ethylbenzene
Concen: 4.830 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

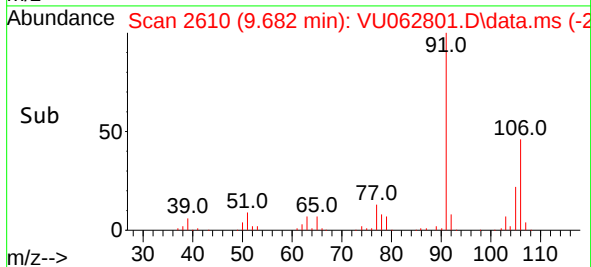
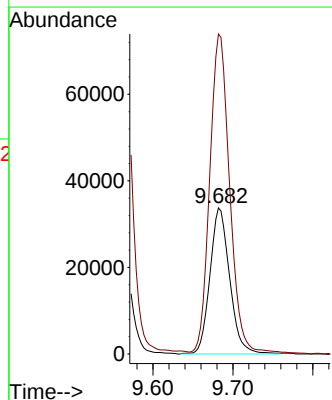
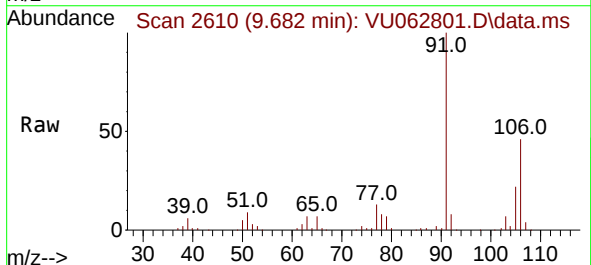
Instrument :
MSVOA_U
ClientSampleId :

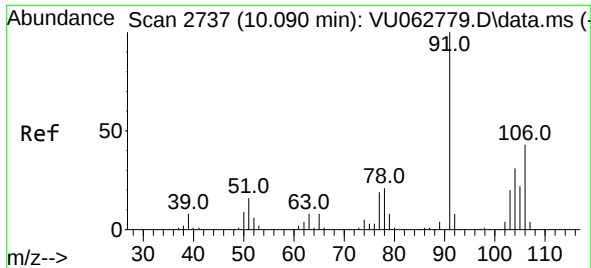
Tgt Ion: 91 Resp: 157867
Ion Ratio Lower Upper
91 100
106 29.5 21.9 40.7



#53
m,p-Xylene
Concen: 4.731 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion:106 Resp: 57837
Ion Ratio Lower Upper
106 100
91 219.0 153.1 284.3

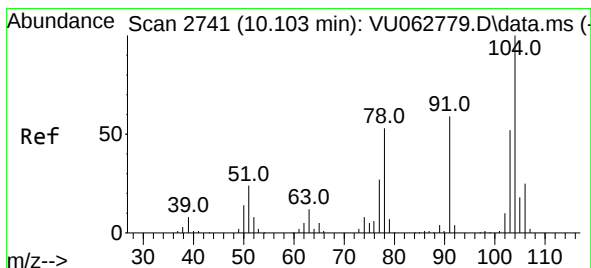
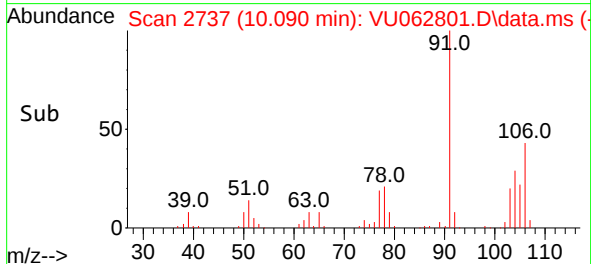
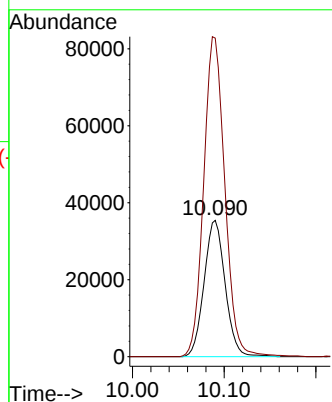
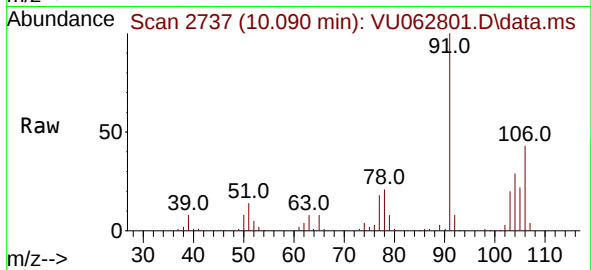




#54
o-Xylene
Concen: 4.834 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

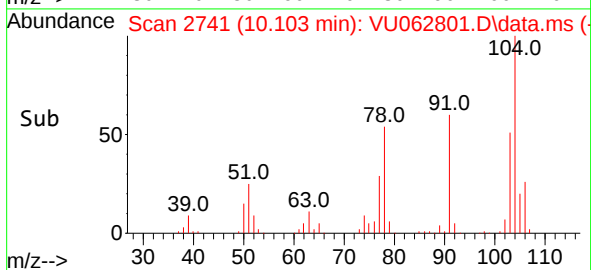
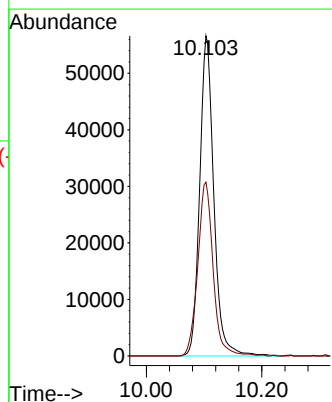
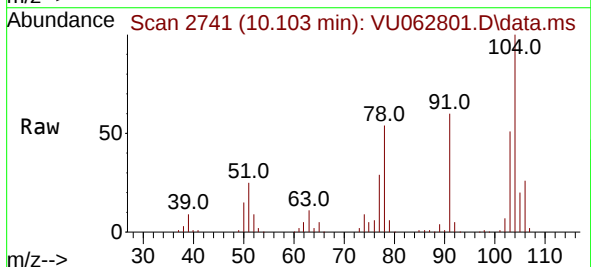
Instrument :
MSVOA_U
ClientSampleId :

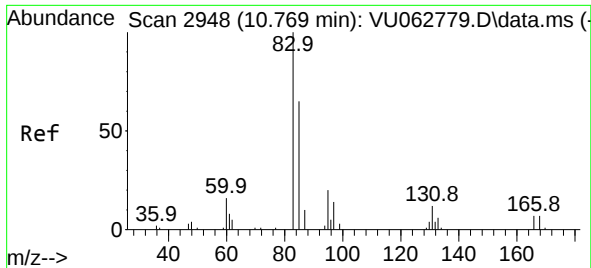
Tgt Ion:106 Resp: 56601
Ion Ratio Lower Upper
106 100
91 233.6 160.4 297.8



#55
Styrene
Concen: 4.900 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion:104 Resp: 95979
Ion Ratio Lower Upper
104 100
78 54.3 35.5 65.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.342 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

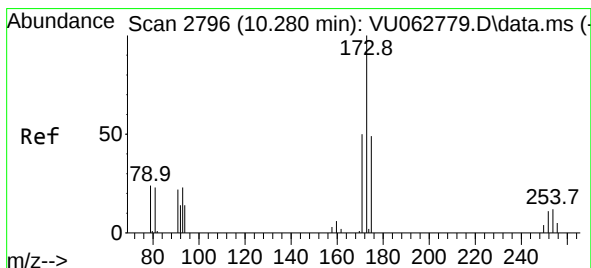
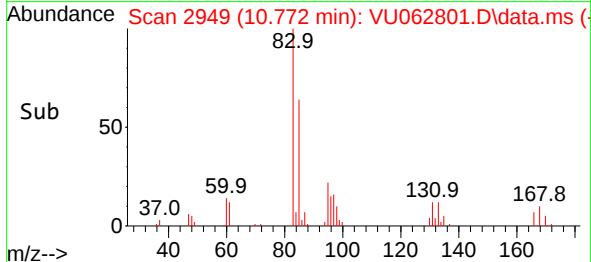
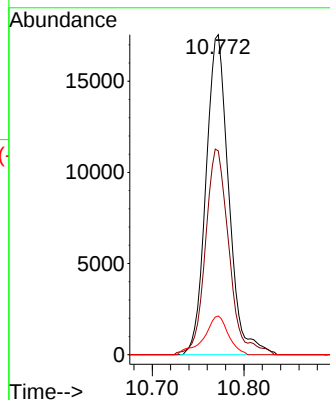
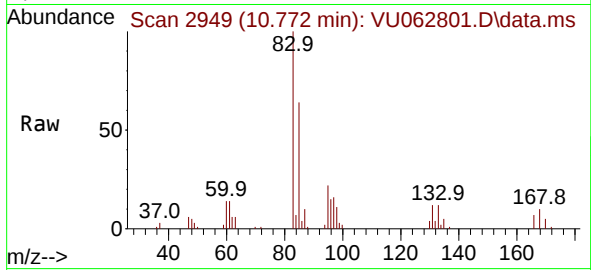
Tgt Ion: 83 Resp: 30177

Ion Ratio Lower Upper

83 100

85 63.7 43.0 79.8

131 12.1 7.4 11.0#



#59

Bromoform

Concen: 5.141 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

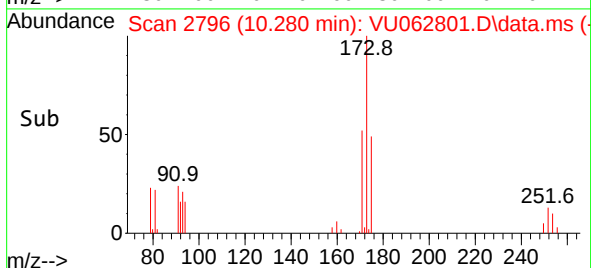
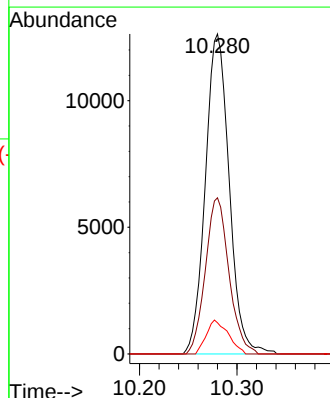
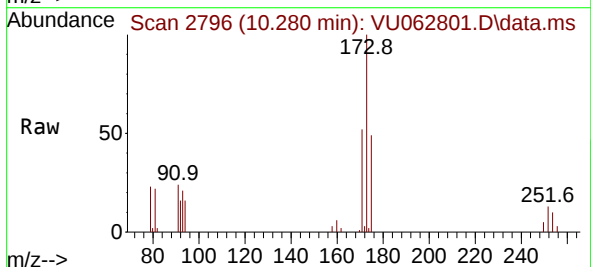
Tgt Ion:173 Resp: 21496

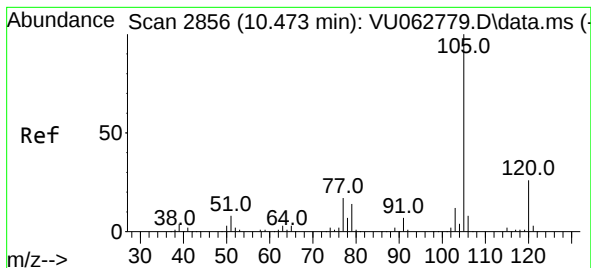
Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

254 9.7 8.6 12.8





#60

Isopropylbenzene

Concen: 4.828 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

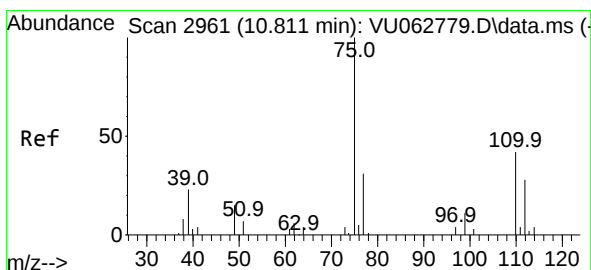
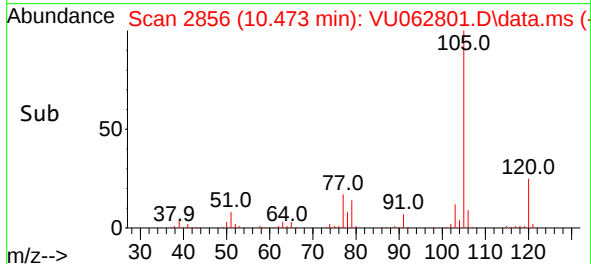
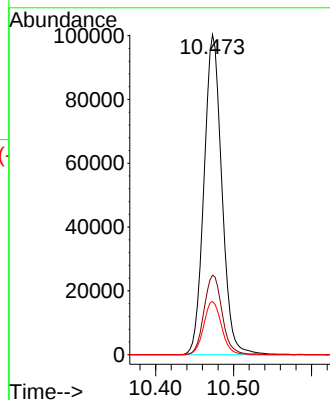
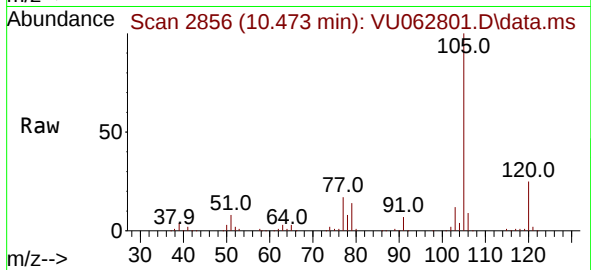
Tgt Ion:105 Resp: 159479

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

77 16.6 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.204 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

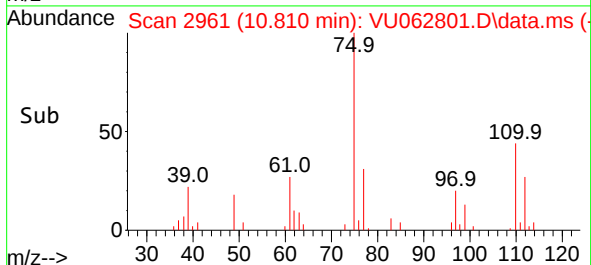
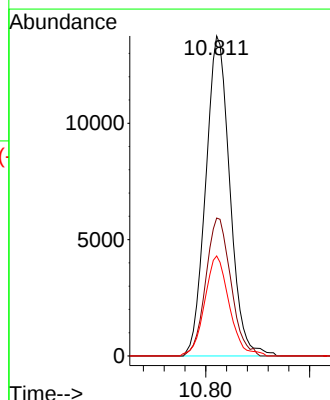
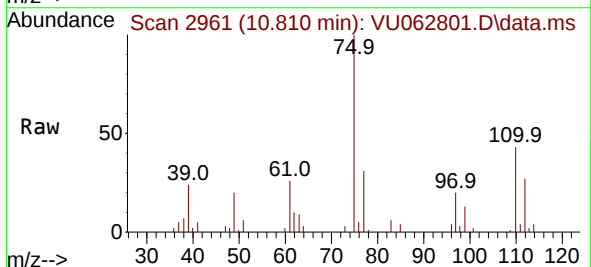
Tgt Ion: 75 Resp: 22125

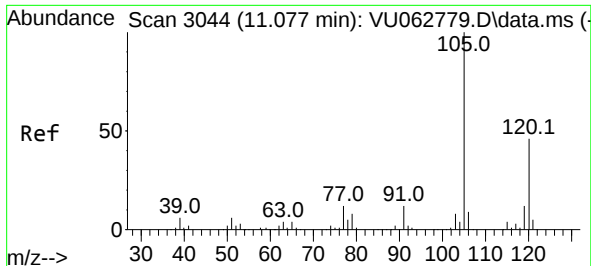
Ion Ratio Lower Upper

75 100

110 44.8 33.2 49.8

77 31.8 25.9 38.9

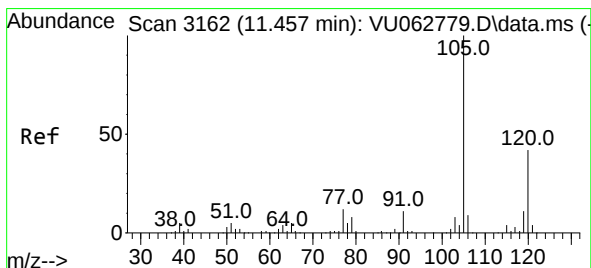
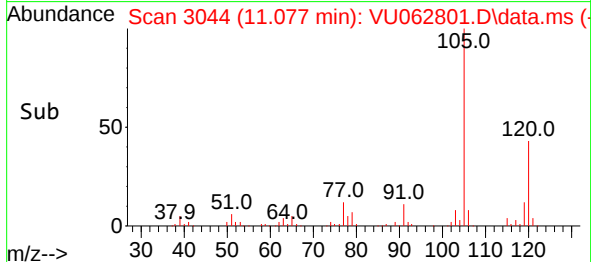
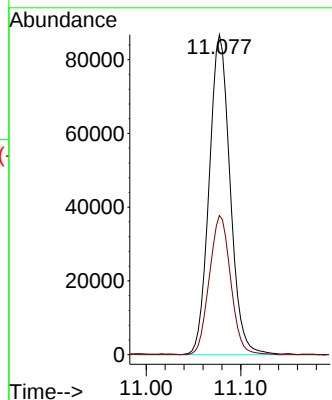
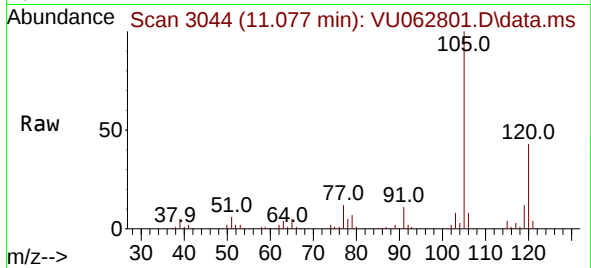




#62
 1,3,5-Trimethylbenzene
 Concen: 4.762 ug/L
 RT: 11.077 min Scan# 3044
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

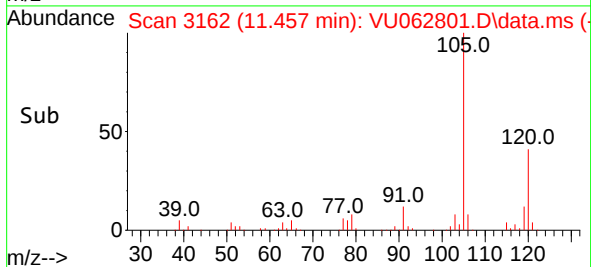
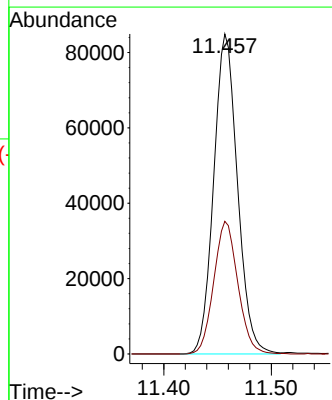
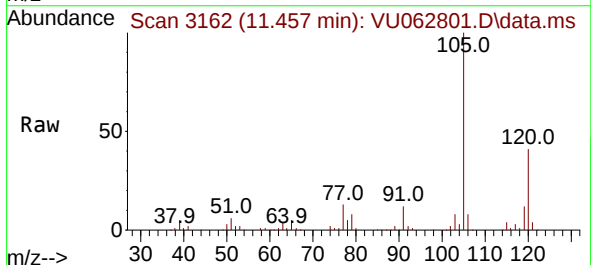
Instrument :
 MSVOA_U
 ClientSampleId :

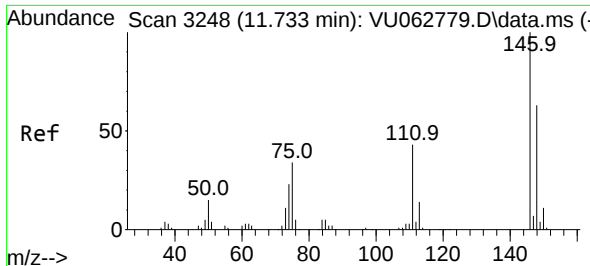
Tgt Ion:105 Resp: 133694
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.9 53.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.799 ug/L
 RT: 11.457 min Scan# 3162
 Delta R.T. -0.000 min
 Lab File: VU062801.D
 Acq: 16 Jan 2025 06:08

Tgt Ion:105 Resp: 130348
 Ion Ratio Lower Upper
 105 100
 120 42.0 34.2 51.2

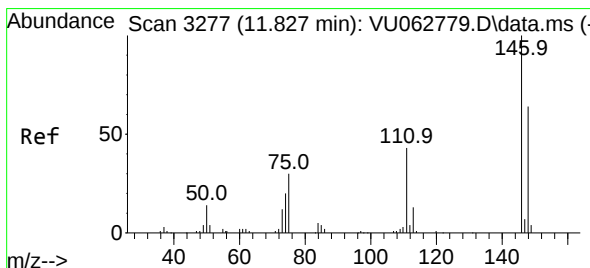
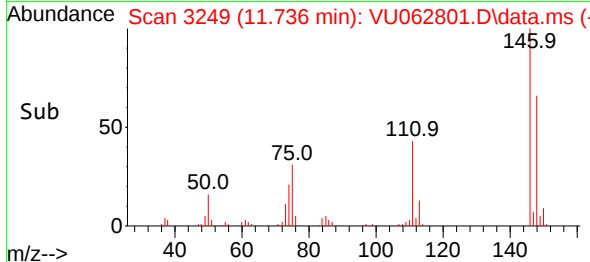
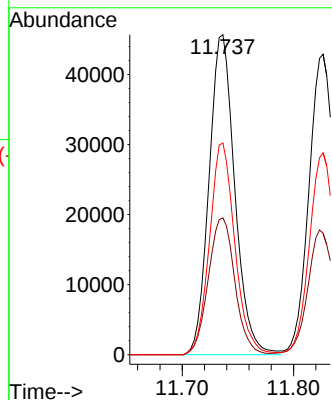
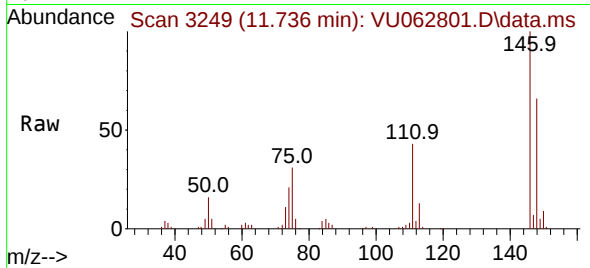




#64
1,3-Dichlorobenzene
Concen: 4.792 ug/L
RT: 11.736 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

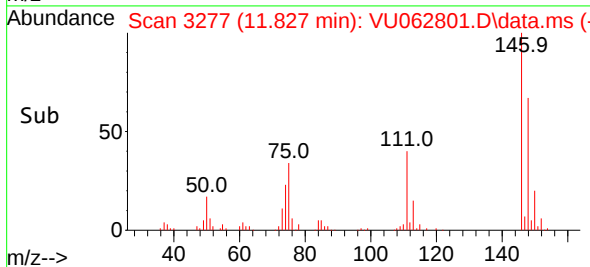
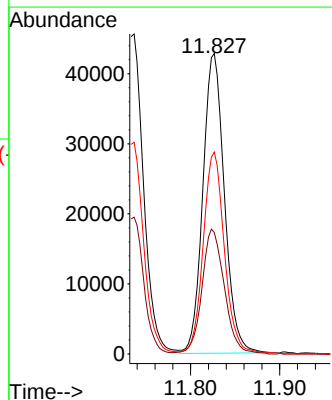
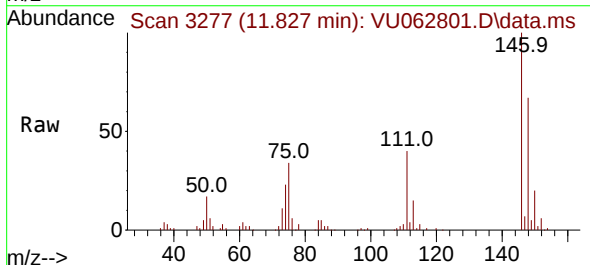
Instrument :
MSVOA_U
ClientSampleId :

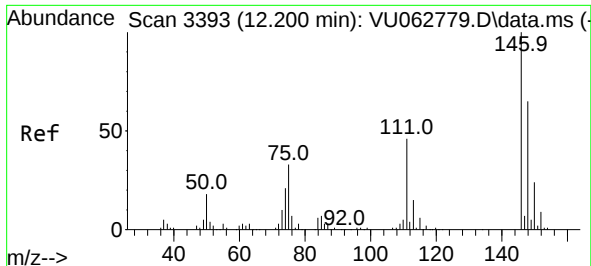
Tgt Ion:146 Resp: 73384
Ion Ratio Lower Upper
146 100
111 42.8 28.6 53.0
148 66.1 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 4.646 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion:146 Resp: 71751
Ion Ratio Lower Upper
146 100
111 40.4 29.5 54.9
148 67.2 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 4.962 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :

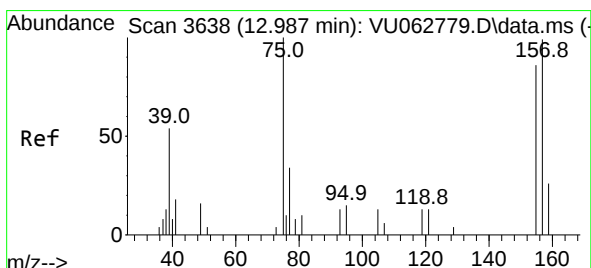
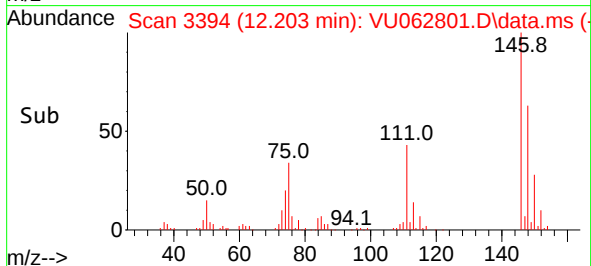
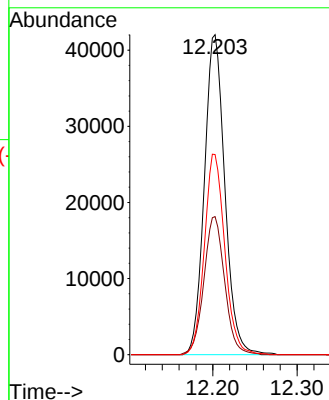
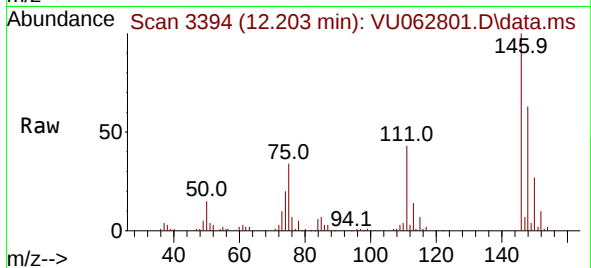
Tgt Ion:146 Resp: 71215

Ion Ratio Lower Upper

146 100

111 43.2 36.3 54.5

148 62.5 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.844 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

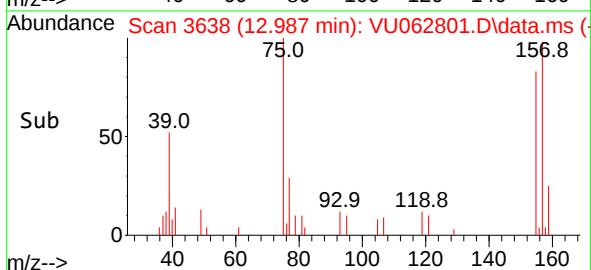
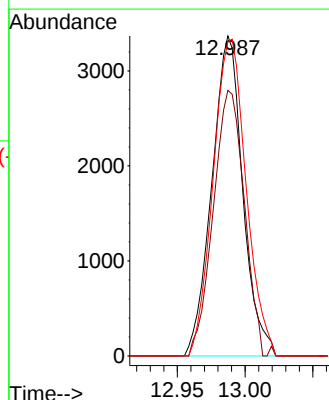
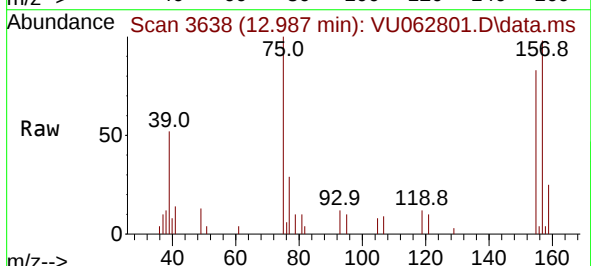
Tgt Ion: 75 Resp: 5335

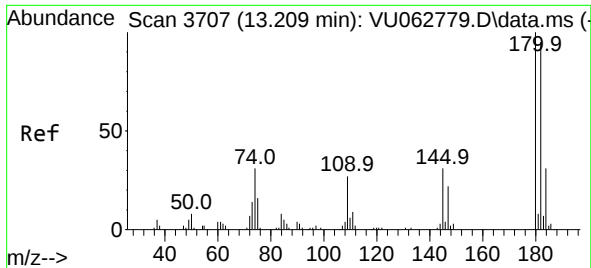
Ion Ratio Lower Upper

75 100

155 83.0 59.6 89.4

157 98.2 70.8 106.2





#69

1,3,5-Trichlorobenzene

Concen: 4.239 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.000 min

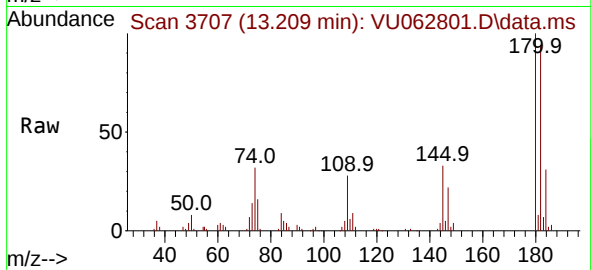
Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 48897

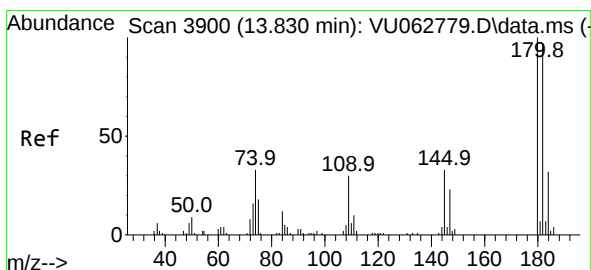
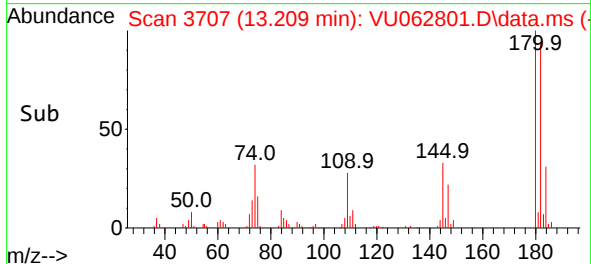
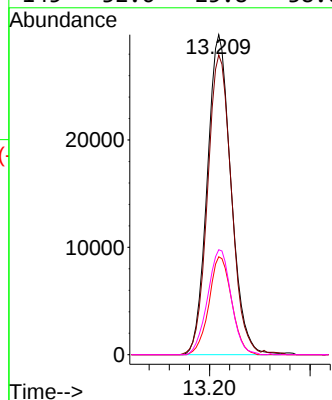
Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.8

184 29.2 24.7 37.1

145 32.6 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 3.889 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU062801.D

Acq: 16 Jan 2025 06:08

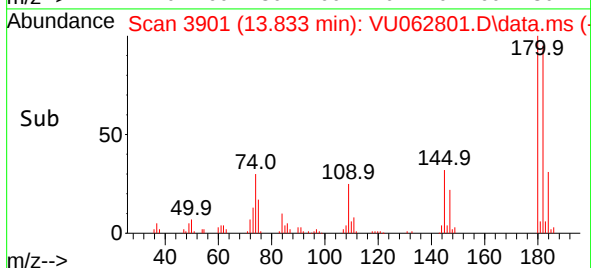
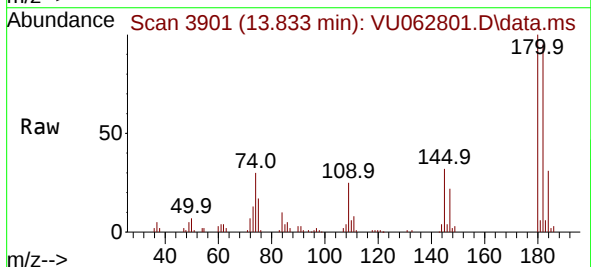
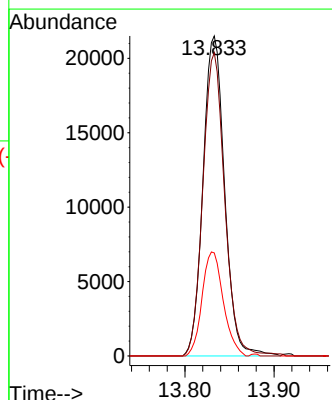
Tgt Ion:180 Resp: 36125

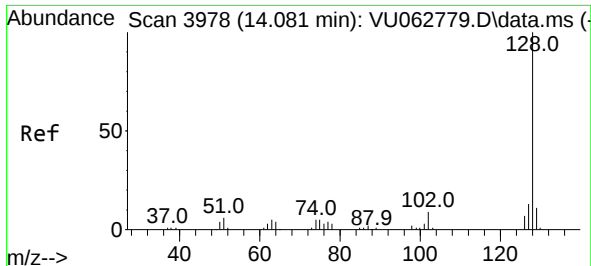
Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

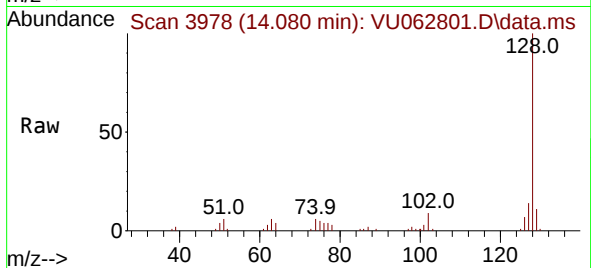
145 32.0 26.9 40.3



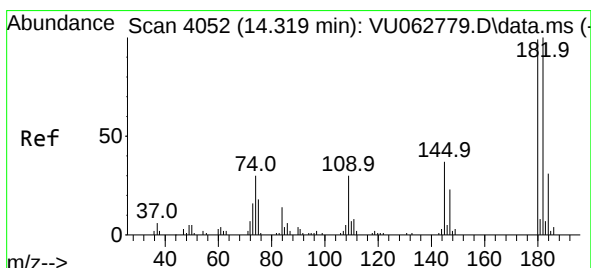
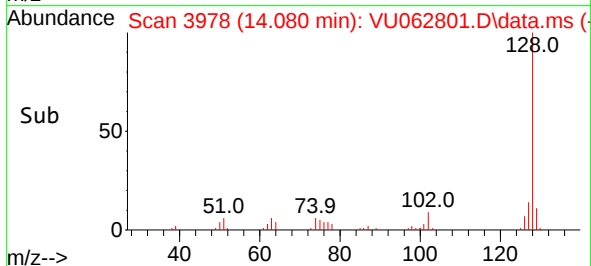
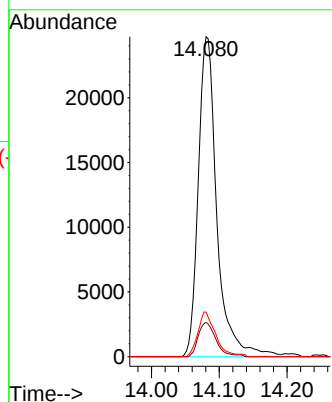


#71
Naphthalene
Concen: 3.456 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 46977
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 13.4 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 3.715 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU062801.D
Acq: 16 Jan 2025 06:08

Tgt Ion:180 Resp: 30085
Ion Ratio Lower Upper
180 100
182 96.4 79.8 119.6
145 36.1 29.2 43.8

