

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062802.D
 Acq On : 16 Jan 2025 06:33
 Operator : MD/SY
 Sample : Q1071-13MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 07:01:52 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	6.239	114	97605	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	91684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	48603	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	16746	3.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.901	69	16236	3.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.557	65	9502	3.393	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.800%
20) 2-Butanone-d5	4.608	46	63785	57.733	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.460%
24) Chloroform-d	5.049	84	58892	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.689	65	33398	4.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.714	84	91126	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.679	67	27434	4.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.888	98	87170	3.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.171	79	13813	4.459	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.618	63	49941	51.265	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.520%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	27823	5.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	37124	4.591	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	43762	4.706	ug/L	100
3) Chloromethane	1.515	50	28052	4.495	ug/L	98
5) Vinyl chloride	1.599	62	77326	11.005	ug/L	97
6) Bromomethane	1.843	94	15591	3.050	ug/L	98
8) Chloroethane	1.924	64	175422	41.555	ug/L	97
9) Trichlorofluoromethane	2.129	101	68615	4.841	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34577	5.049	ug/L	93
12) 1,1-Dichloroethene	2.570	96	1213819	200.330	ug/L #	73
13) Acetone	2.612	43	42820	48.925	ug/L	93
14) Carbon disulfide	2.782	76	86297	4.459	ug/L	99
15) Methyl Acetate	2.940	43	5312	2.803	ug/L	97
16) Methylene chloride	3.033	84	31232	4.706	ug/L	95
17) Methyl tert-butyl Ether	3.348	73	84467	5.072	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	113242	17.445	ug/L	97
19) 1,1-Dichloroethane	3.853	63	709240	61.108	ug/L	96
21) 2-Butanone	4.682	43	63322	54.325	ug/L #	1
22) cis-1,2-Dichloroethene	4.647	96	3153706	446.119	ug/L	98
23) Bromochloromethane	4.962	128	16928	5.073	ug/L	96
25) Chloroform	5.075	83	69408	4.859	ug/L	100

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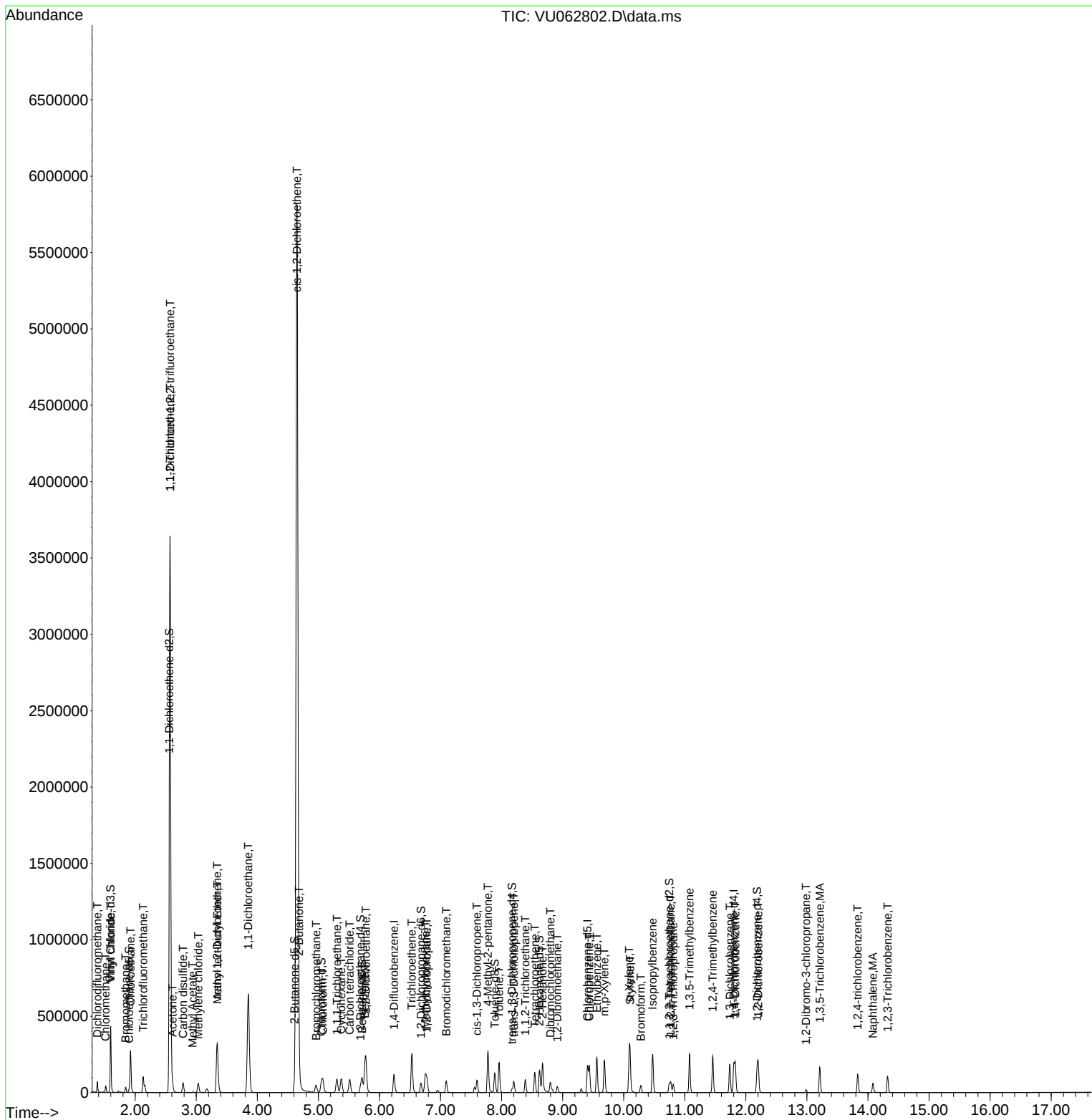
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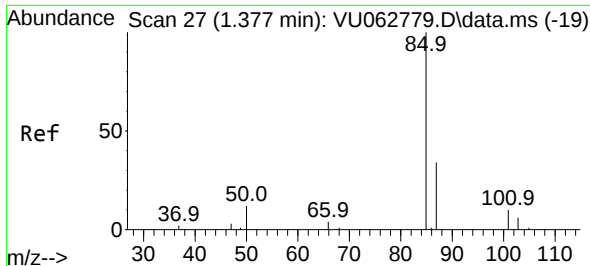
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	157070	16.817	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	67971	4.888	ug/L	98
30) Cyclohexane	5.374	56	43431	4.782	ug/L	94
31) Carbon tetrachloride	5.512	117	63082	4.936	ug/L	97
33) Benzene	5.759	78	138329	5.251	ug/L	100
34) Trichloroethene	6.528	95	87019	9.670	ug/L	97
35) Methylcyclohexane	6.753	83	50077	4.523	ug/L	99
37) 1,2-Dichloropropane	6.775	63	29993	4.827	ug/L	100
38) Bromodichloromethane	7.094	83	49982	5.002	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	48215	4.557	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	156869	54.042	ug/L	99
42) Toluene	7.959	91	144018	4.989	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	42616	4.672	ug/L	96
45) 1,1,2-Trichloroethane	8.386	97	26337	5.219	ug/L	94
47) Tetrachloroethene	8.544	164	28922	4.667	ug/L	98
48) 2-Hexanone	8.669	43	114261	54.753	ug/L	98
49) Dibromochloromethane	8.798	129	35184	5.192	ug/L	98
50) 1,2-Dibromoethane	8.910	107	26131	5.412	ug/L #	99
51) Chlorobenzene	9.435	112	91965	4.872	ug/L	98
52) Ethylbenzene	9.560	91	162442	4.959	ug/L	98
53) m,p-Xylene	9.682	106	59740	4.877	ug/L	97
54) o-Xylene	10.090	106	58342	4.972	ug/L	99
55) Styrene	10.103	104	99147	5.051	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	30390	5.368	ug/L #	95
59) Bromoform	10.280	173	22008	5.191	ug/L	96
60) Isopropylbenzene	10.473	105	163978	4.896	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	22716	5.269	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	138729	4.873	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	132849	4.824	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	77427	4.986	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	75734	4.837	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	73031	5.018	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	5909	5.291	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	51341	4.390	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	39442	4.188	ug/L	96
71) Naphthalene	14.081	128	57290	4.157	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	34849	4.245	ug/L	93

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

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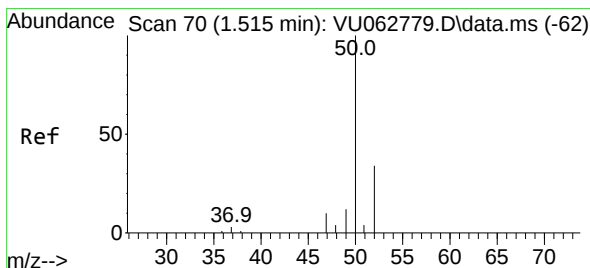
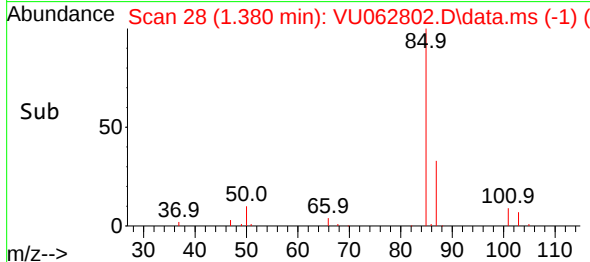
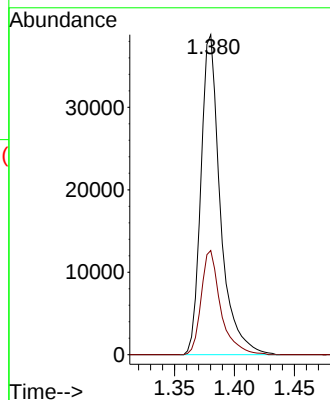
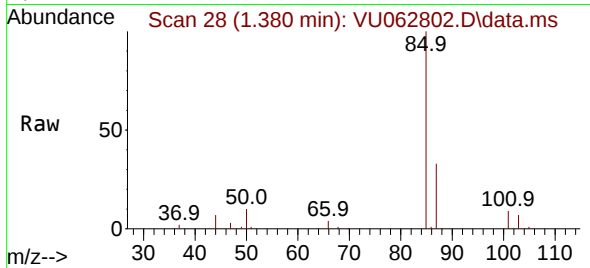




#2
 Dichlorodifluoromethane
 Concen: 4.706 ug/L
 RT: 1.380 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

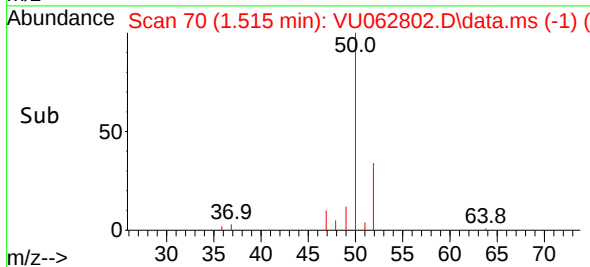
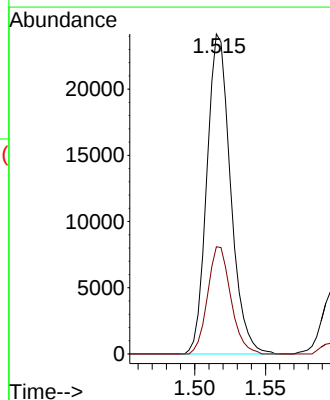
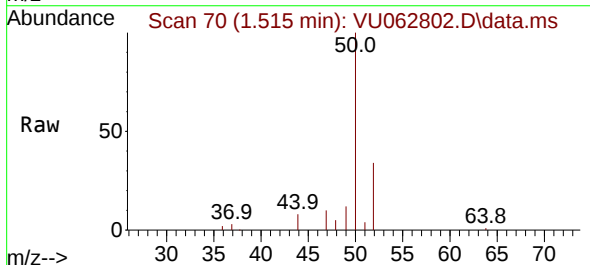
Instrument :
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 ClientSampleId :

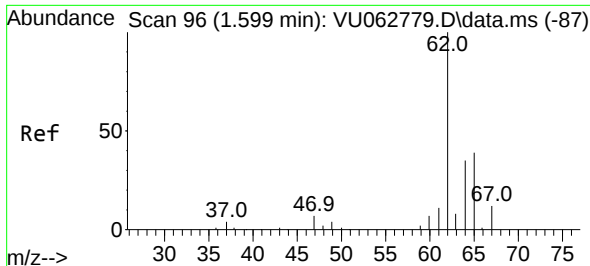
Tgt Ion: 85 Resp: 43762
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 4.495 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

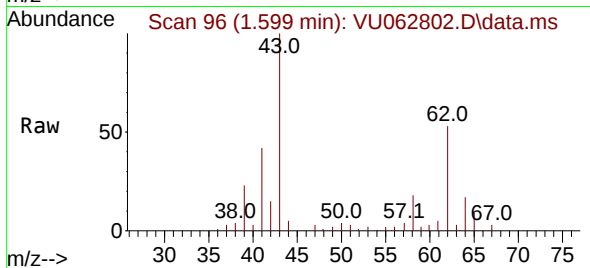
Tgt Ion: 50 Resp: 28052
 Ion Ratio Lower Upper
 50 100
 52 33.5 24.1 44.7



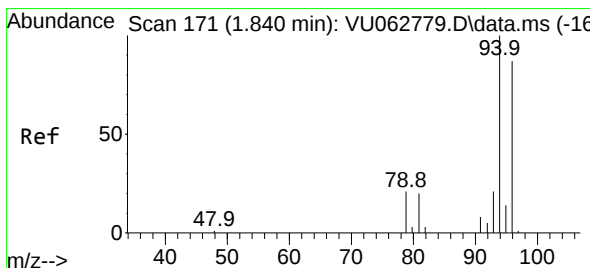
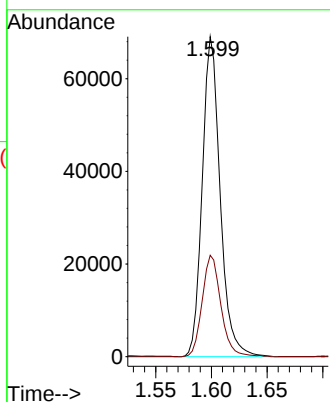
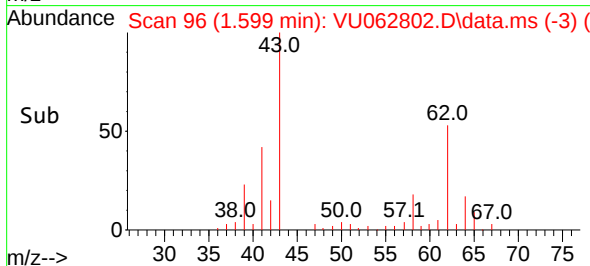


#5
 Vinyl chloride
 Concen: 11.005 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Instrument :
 MSVOA_U
 ClientSampleId :

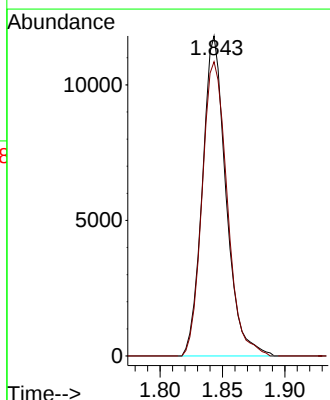
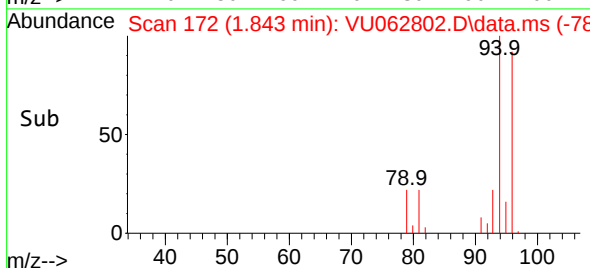
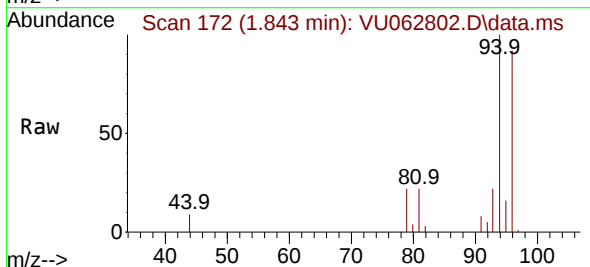


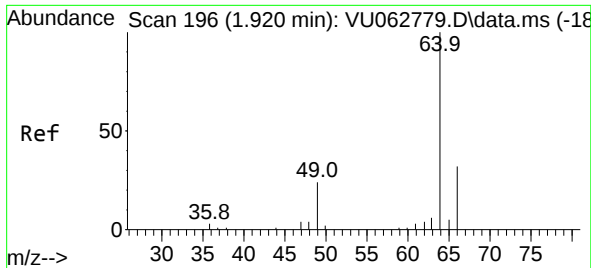
Tgt Ion: 62 Resp: 77326
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.4 43.4



#6
 Bromomethane
 Concen: 3.050 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Tgt Ion: 94 Resp: 15591
 Ion Ratio Lower Upper
 94 100
 96 92.0 62.9 116.7

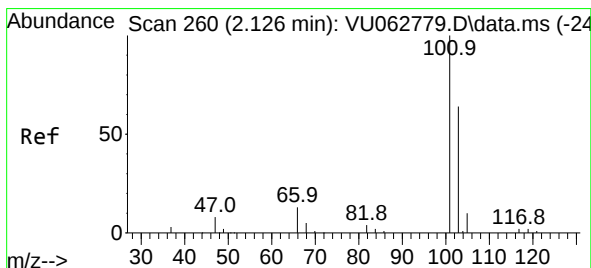
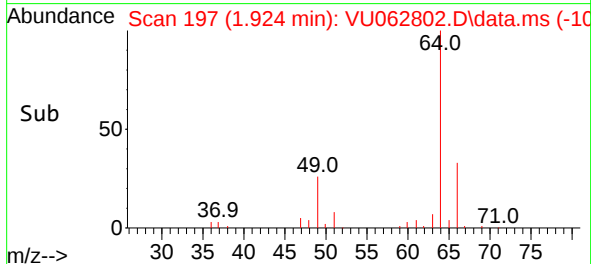
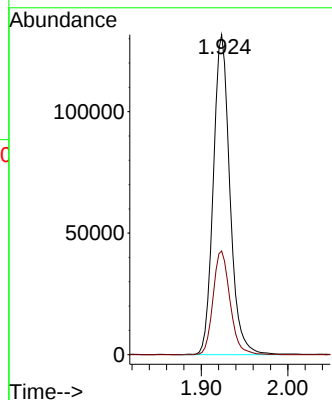
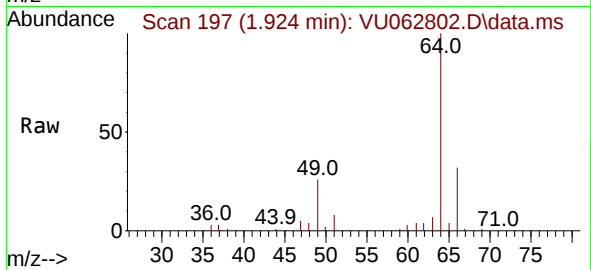




#8
Chloroethane
Concen: 41.555 ug/L
RT: 1.924 min Scan# 196
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

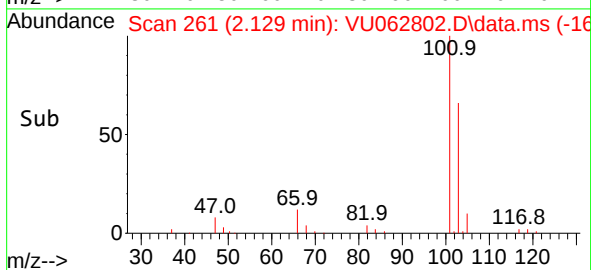
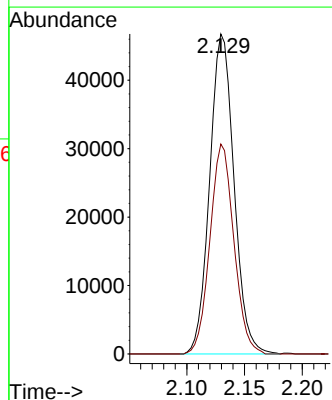
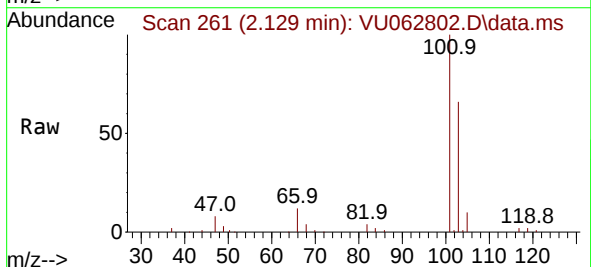
Instrument :
MSVOA_U
ClientSampleId :

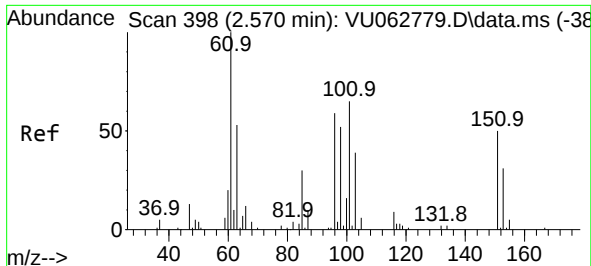
Tgt Ion: 64 Resp: 175422
Ion Ratio Lower Upper
64 100
66 32.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.841 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:101 Resp: 68615
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

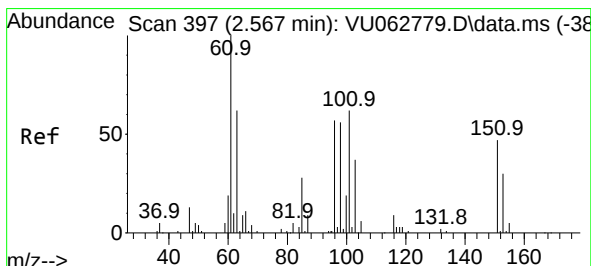
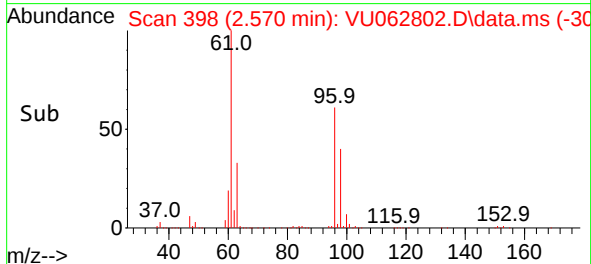
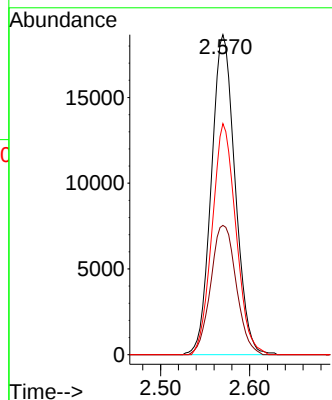
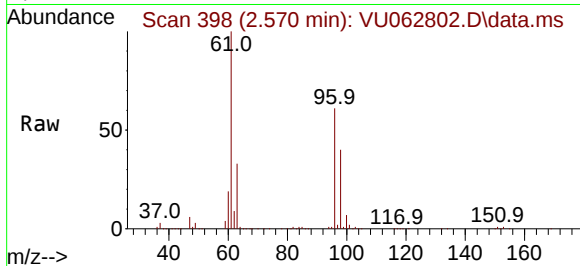




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.049 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

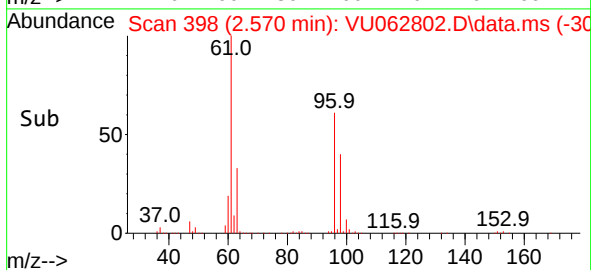
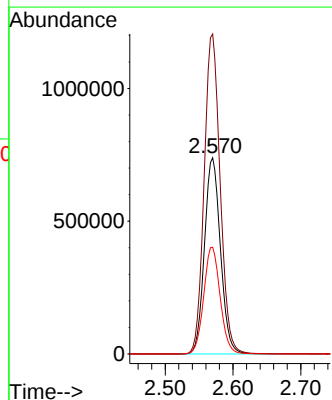
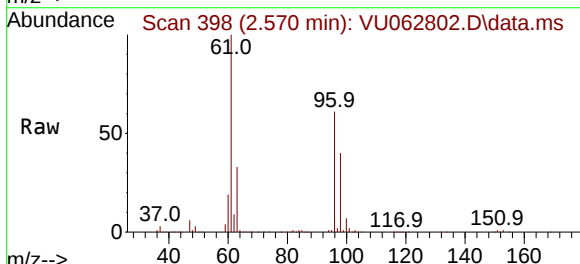
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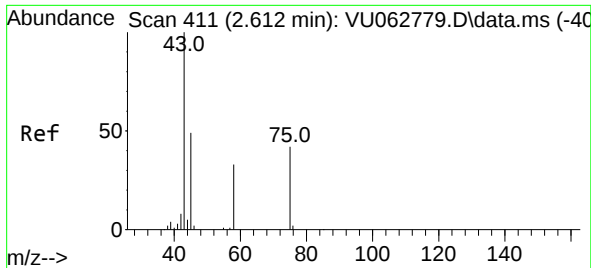
Tgt Ion:101 Resp: 34577
 Ion Ratio Lower Upper
 101 100
 85 43.4 37.0 55.6
 151 72.4 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 200.330 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Tgt Ion: 96 Resp: 1213819
 Ion Ratio Lower Upper
 96 100
 61 163.1 120.4 223.6
 63 54.4 82.3 152.9#





#13

Acetone

Concen: 48.925 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

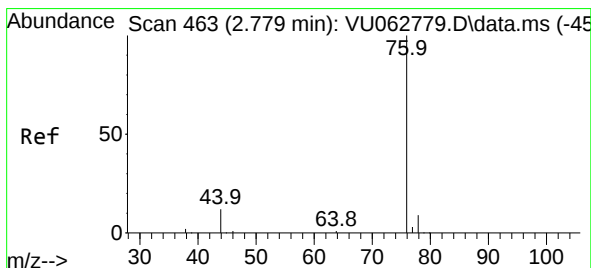
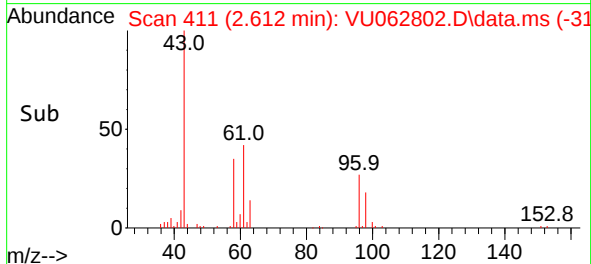
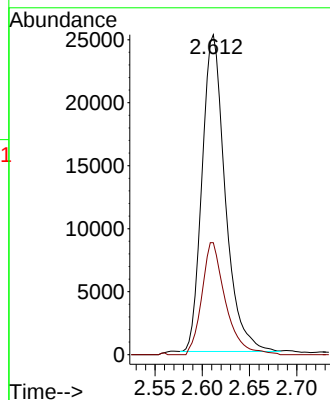
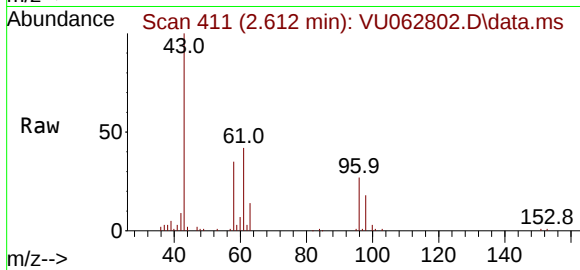
ClientSampleId :

Tgt Ion: 43 Resp: 42820

Ion Ratio Lower Upper

43 100

58 36.1 0.0 64.4



#14

Carbon disulfide

Concen: 4.459 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU062802.D

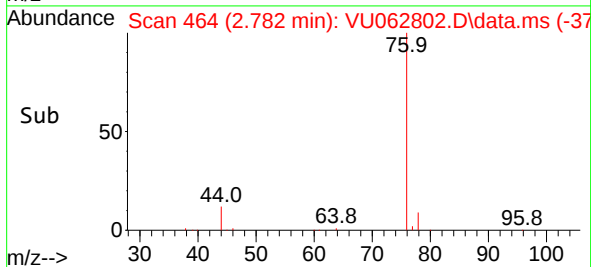
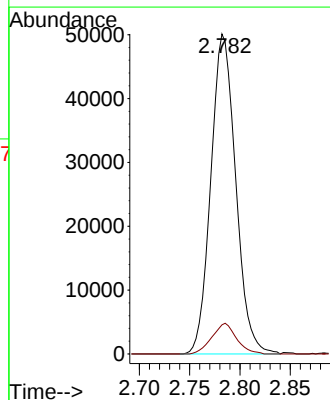
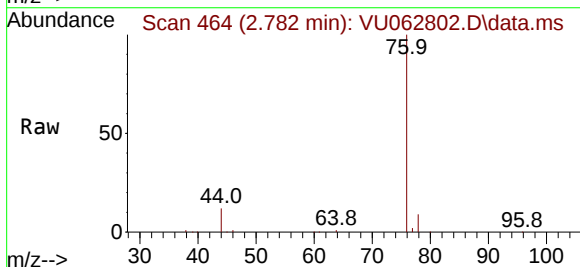
Acq: 16 Jan 2025 06:33

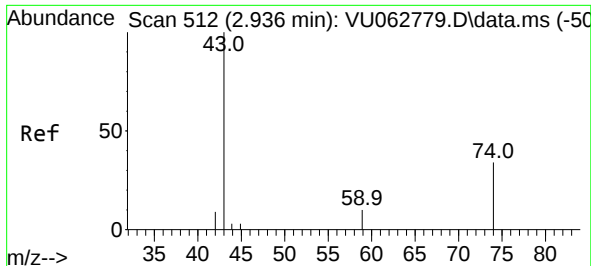
Tgt Ion: 76 Resp: 86297

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

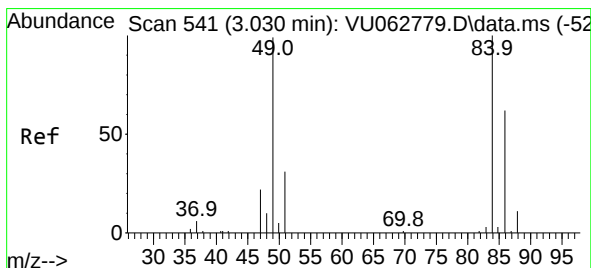
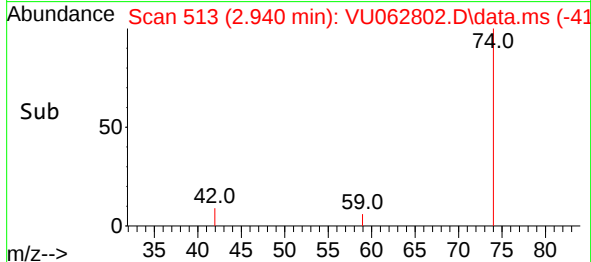
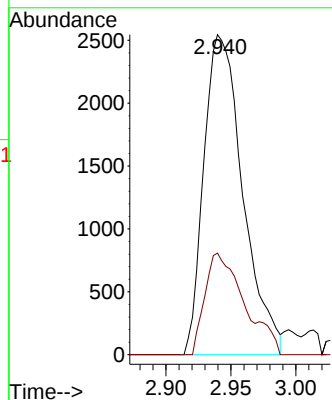
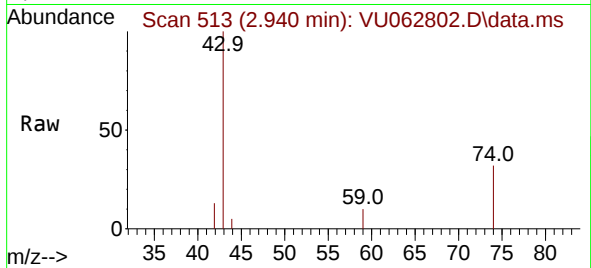




#15
Methyl Acetate
Concen: 2.803 ug/L
RT: 2.940 min Scan# 512
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

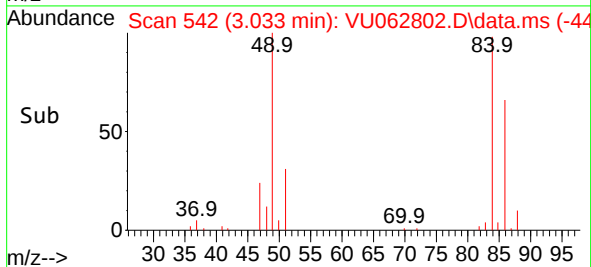
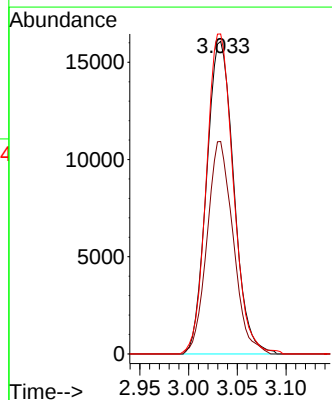
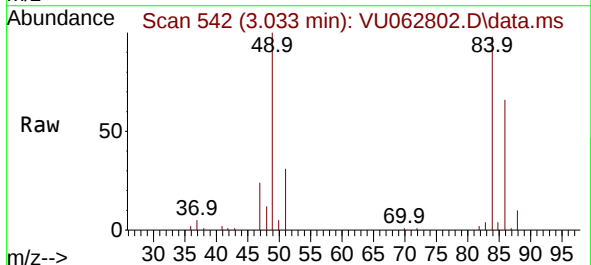
Instrument :
MSVOA_U
ClientSampleId :

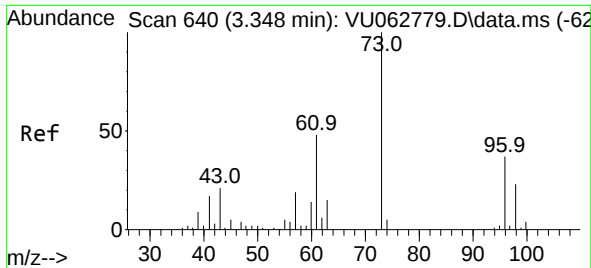
Tgt Ion: 43 Resp: 5312
Ion Ratio Lower Upper
43 100
74 32.2 24.4 36.6



#16
Methylene chloride
Concen: 4.706 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion: 84 Resp: 31232
Ion Ratio Lower Upper
84 100
86 68.0 44.7 83.1
49 102.3 68.3 126.9

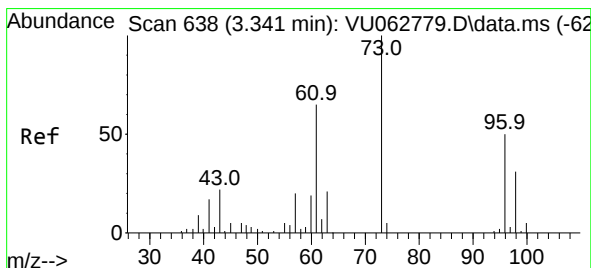
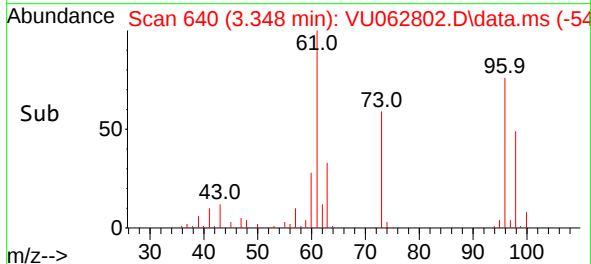
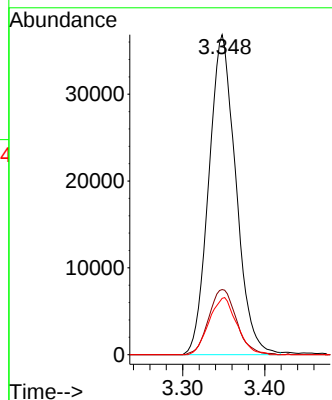
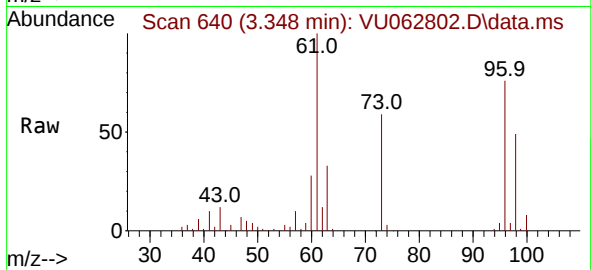




#17
Methyl tert-butyl Ether
Concen: 5.072 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

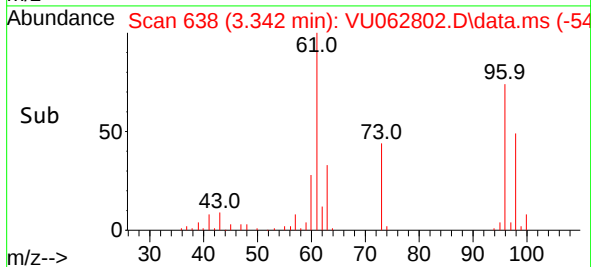
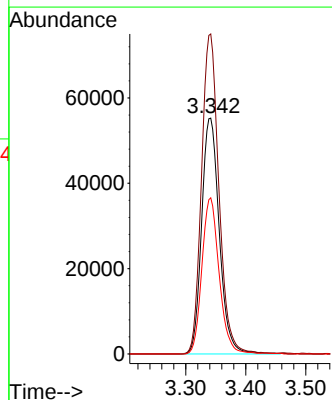
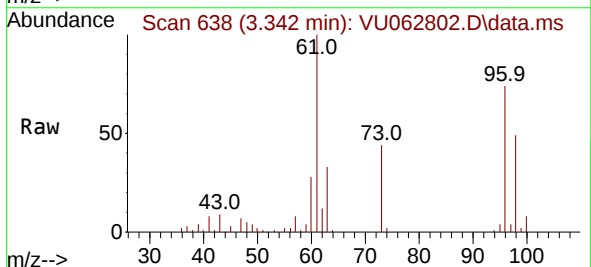
Instrument :
MSVOA_U
ClientSampleId :

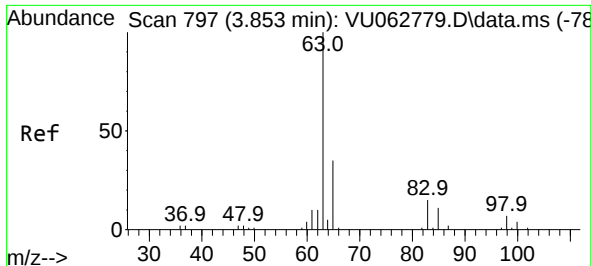
Tgt Ion: 73 Resp: 84467
Ion Ratio Lower Upper
73 100
43 21.0 16.2 24.4
57 18.3 14.6 22.0



#18
trans-1,2-Dichloroethene
Concen: 17.445 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion: 96 Resp: 113242
Ion Ratio Lower Upper
96 100
61 135.7 94.4 175.2
98 66.2 42.8 79.4





#19

1,1-Dichloroethane

Concen: 61.108 ug/L

RT: 3.853 min Scan# 79

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

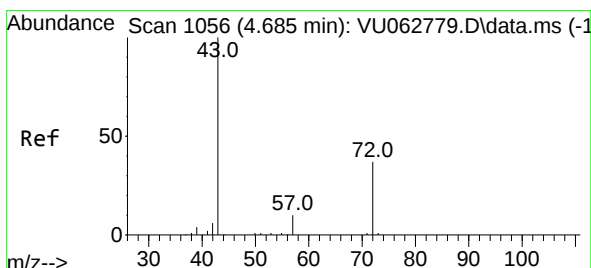
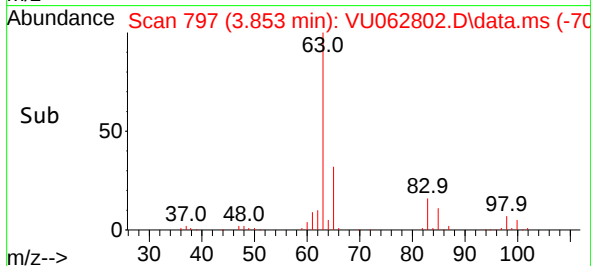
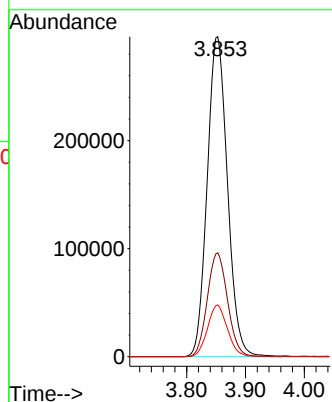
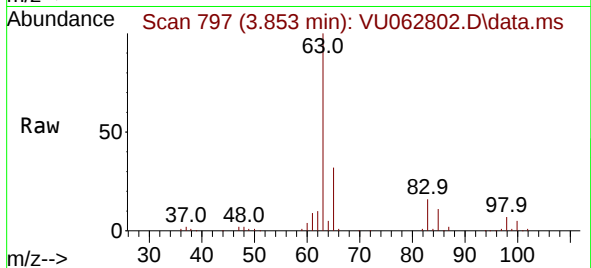
Tgt Ion: 63 Resp: 709240

Ion Ratio Lower Upper

63 100

65 32.4 20.7 38.5

83 16.2 10.5 19.5



#21

2-Butanone

Concen: 54.325 ug/L

RT: 4.682 min Scan# 1055

Delta R.T. -0.003 min

Lab File: VU062802.D

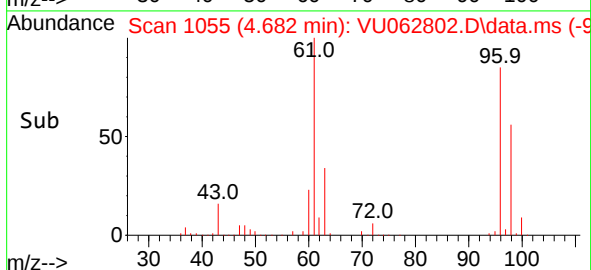
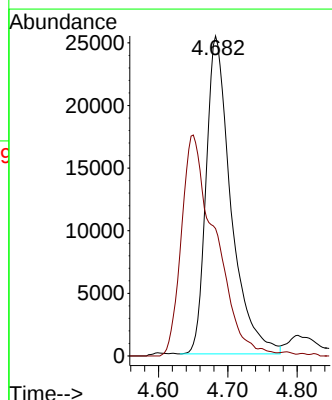
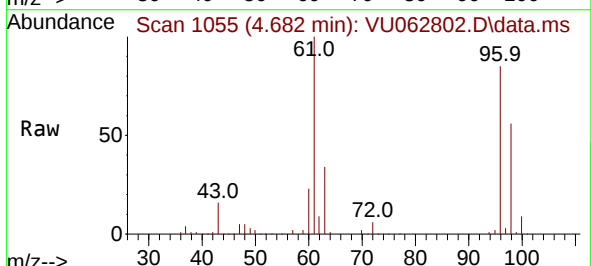
Acq: 16 Jan 2025 06:33

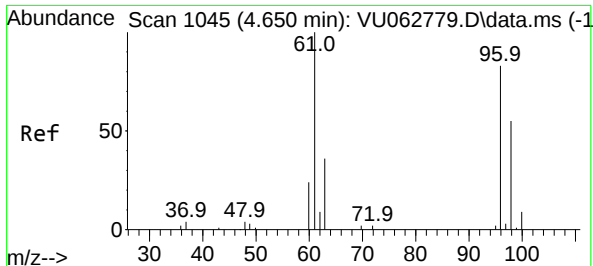
Tgt Ion: 43 Resp: 63322

Ion Ratio Lower Upper

43 100

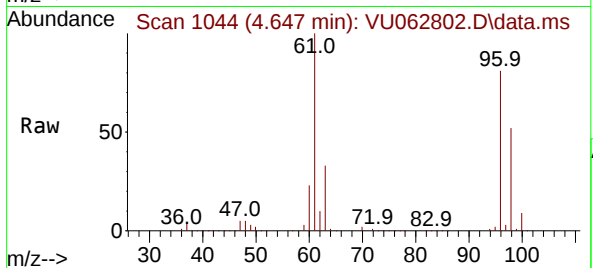
72 94.9 17.1 51.2#





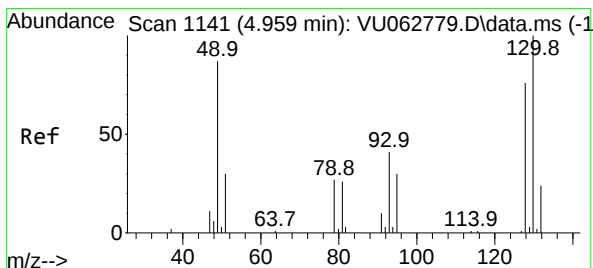
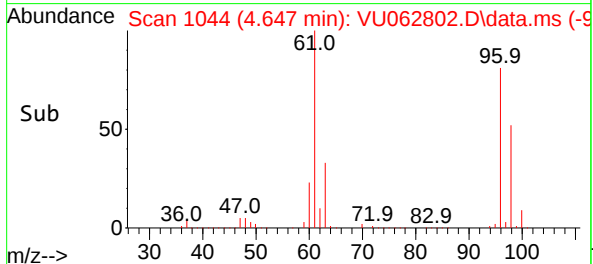
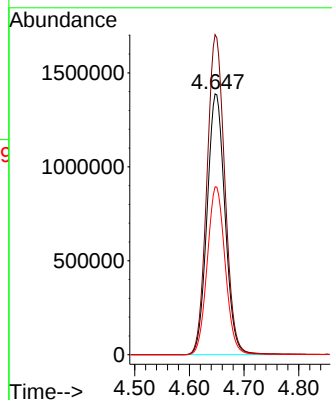
#22
 cis-1,2-Dichloroethene
 Concen: 446.119 ug/L
 RT: 4.647 min Scan# 1044
 Delta R.T. -0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 3153706

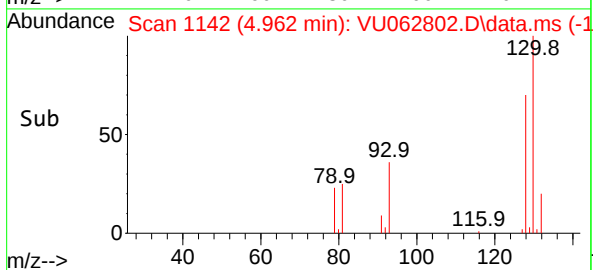
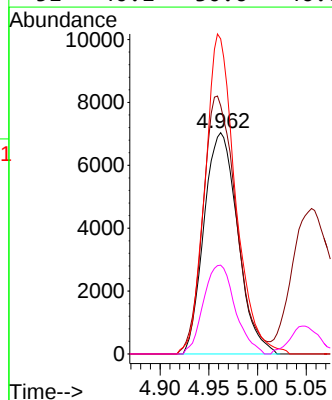
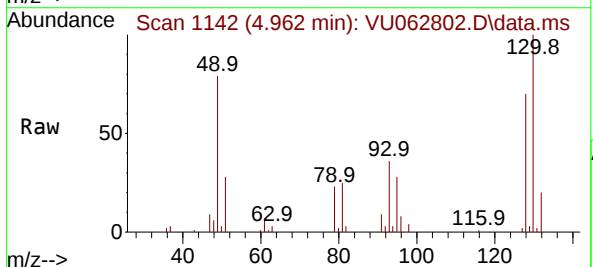
Ion	Ratio	Lower	Upper
96	100		
61	122.7	84.8	157.6
98	64.4	43.1	80.1

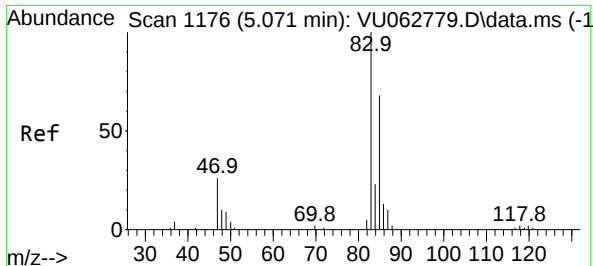


#23
 Bromochloromethane
 Concen: 5.073 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Tgt Ion: 128 Resp: 16928

Ion	Ratio	Lower	Upper
128	100		
49	112.2	81.1	150.7
130	142.4	94.9	176.3
51	40.1	30.6	46.0





#25

Chloroform

Concen: 4.859 ug/L

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

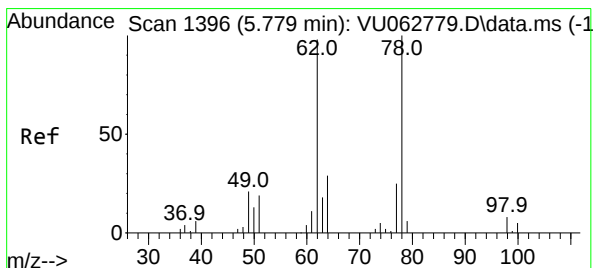
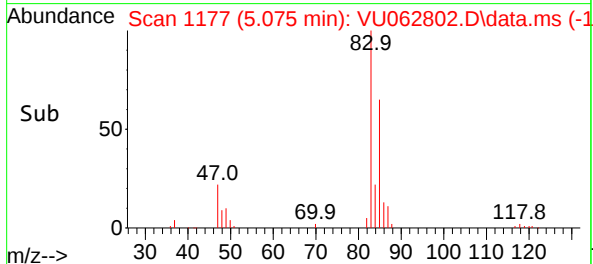
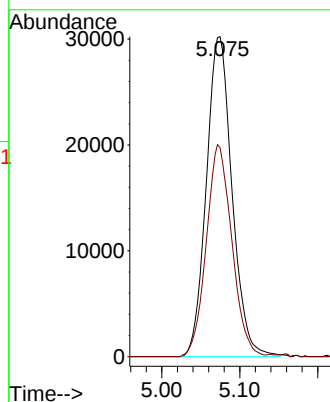
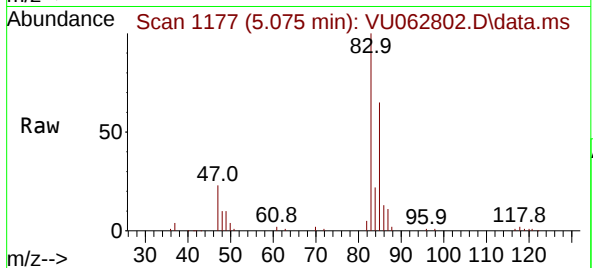
ClientSampleId :

Tgt Ion: 83 Resp: 69408

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 16.817 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VU062802.D

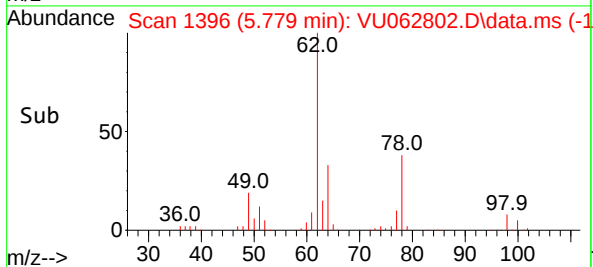
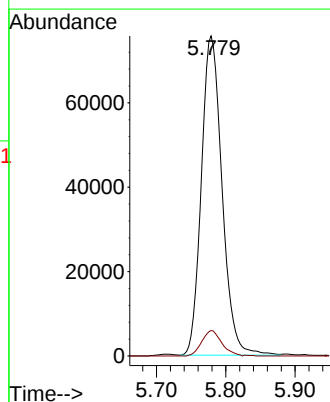
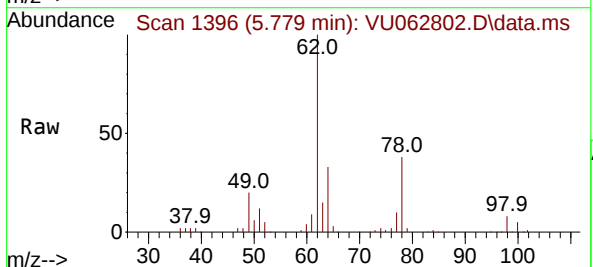
Acq: 16 Jan 2025 06:33

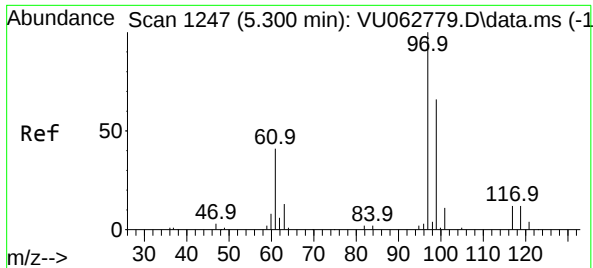
Tgt Ion: 62 Resp: 157070

Ion Ratio Lower Upper

62 100

98 8.0 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 4.888 ug/L

RT: 5.303 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

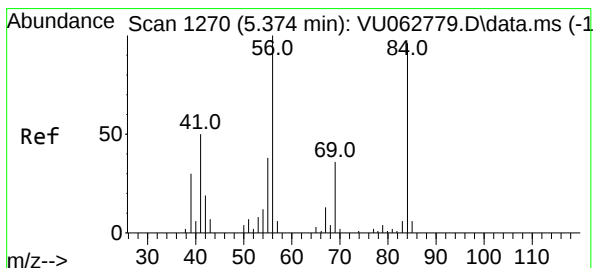
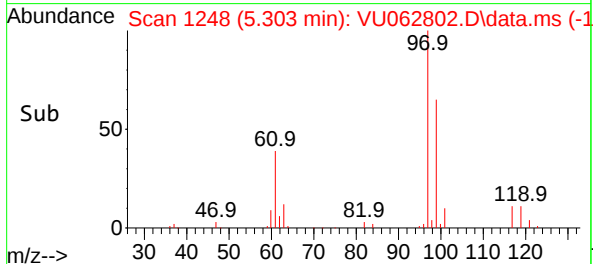
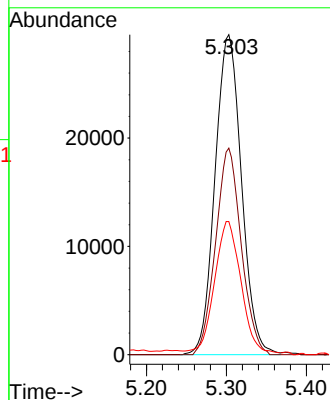
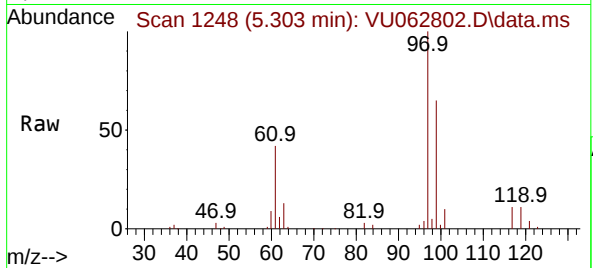
Tgt Ion: 97 Resp: 67971

Ion Ratio Lower Upper

97 100

99 62.5 52.4 78.6

61 40.4 32.2 48.4



#30

Cyclohexane

Concen: 4.782 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

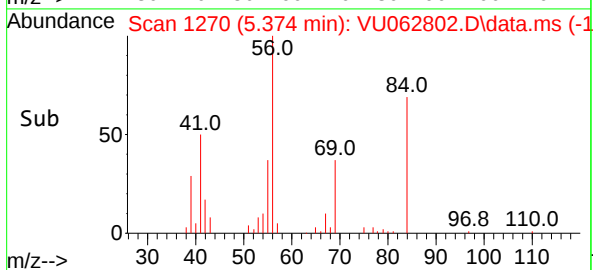
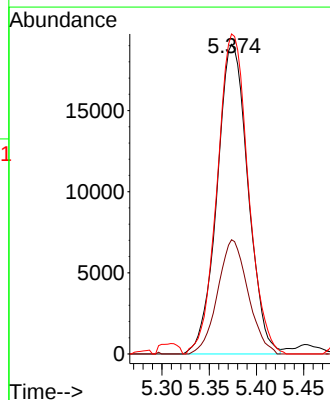
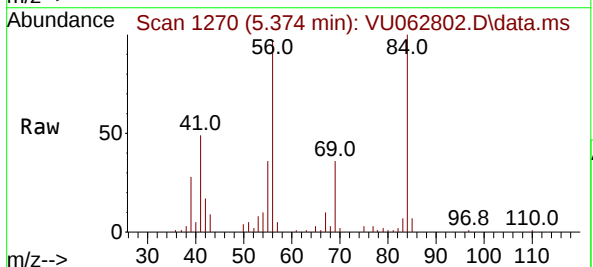
Tgt Ion: 56 Resp: 43431

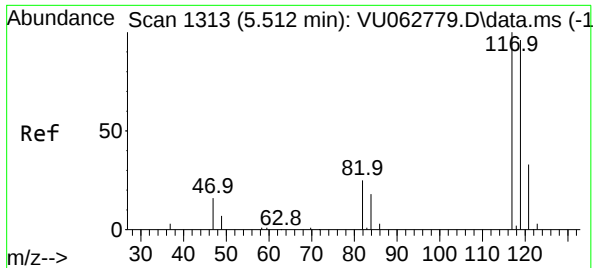
Ion Ratio Lower Upper

56 100

69 36.2 28.3 42.5

84 103.5 76.5 114.7

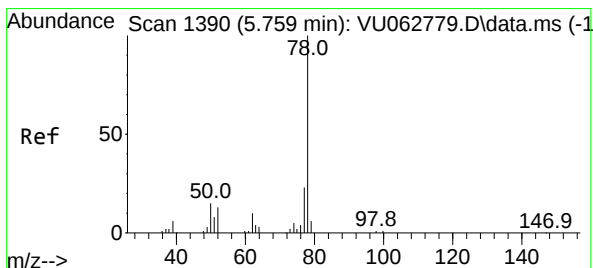
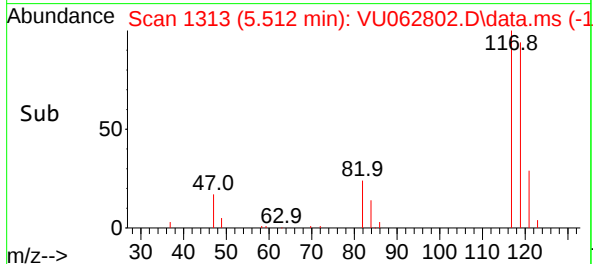
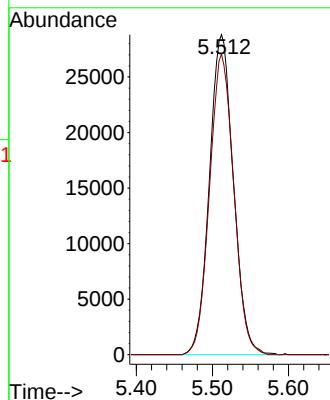
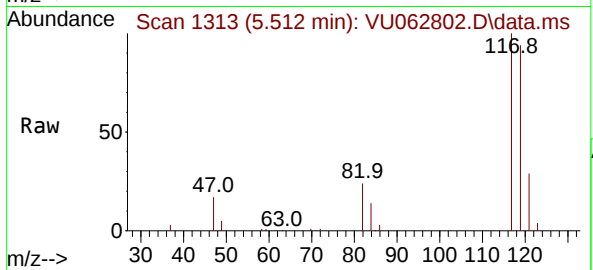




#31
Carbon tetrachloride
Concen: 4.936 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

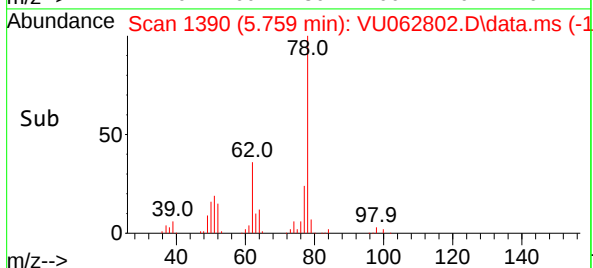
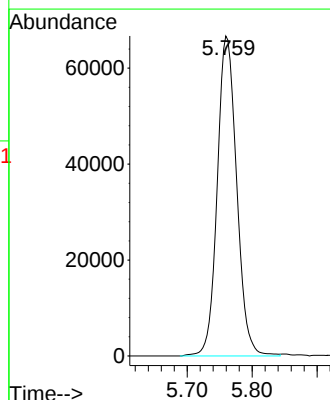
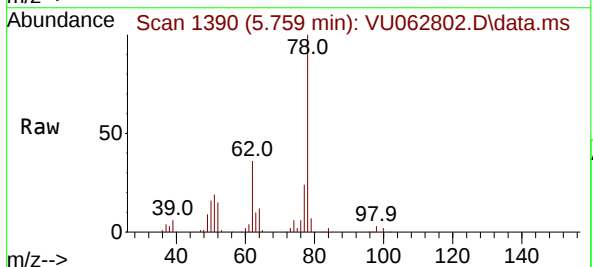
Instrument :
MSVOA_U
ClientSampleId :

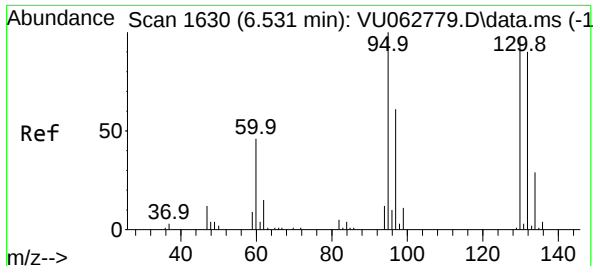
Tgt Ion:117 Resp: 63082
Ion Ratio Lower Upper
117 100
119 95.0 78.6 118.0



#33
Benzene
Concen: 5.251 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion: 78 Resp: 138329





#34

Trichloroethene

Concen: 9.670 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 87019

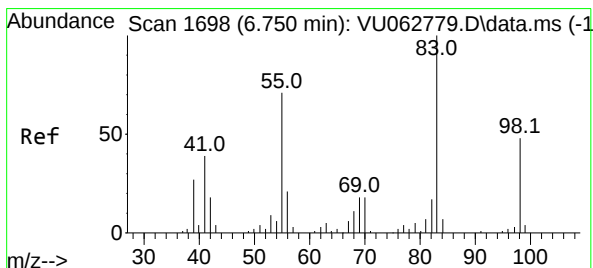
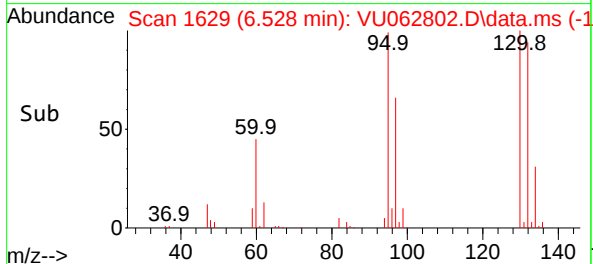
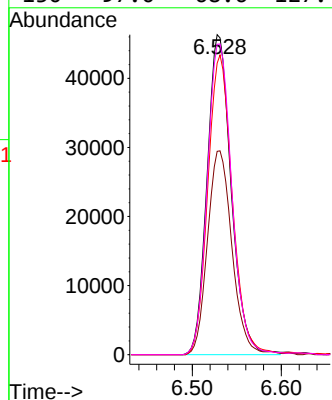
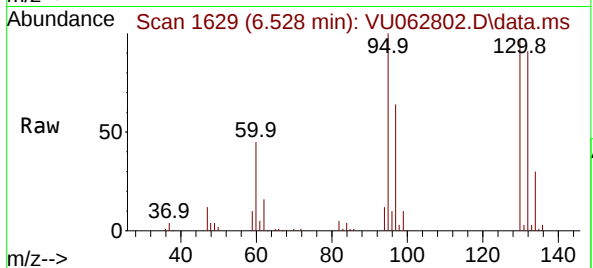
Ion Ratio Lower Upper

95 100

97 63.5 47.5 88.3

132 91.1 66.9 124.3

130 97.0 68.6 127.4



#35

Methylcyclohexane

Concen: 4.523 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

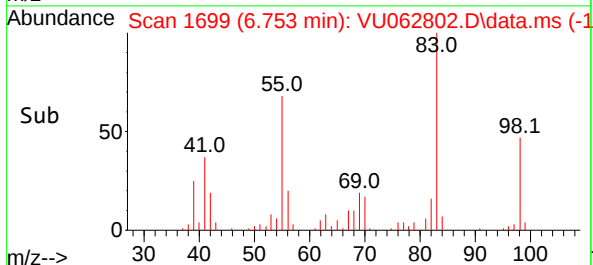
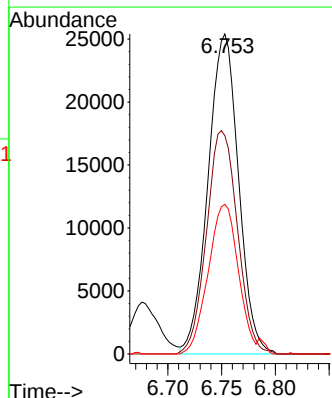
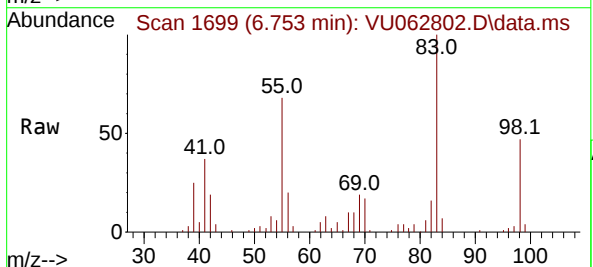
Tgt Ion: 83 Resp: 50077

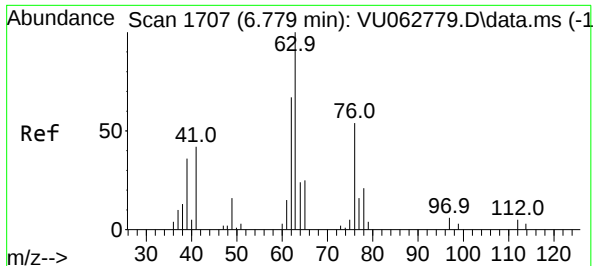
Ion Ratio Lower Upper

83 100

55 71.0 57.2 85.8

98 46.1 36.6 55.0





#37

1,2-Dichloropropane

Concen: 4.827 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

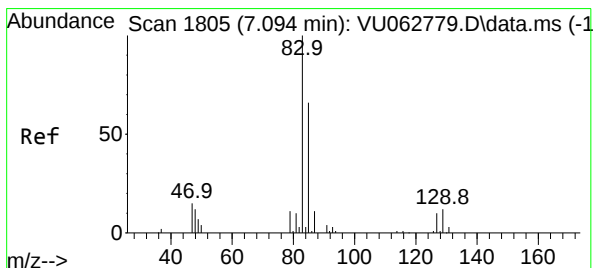
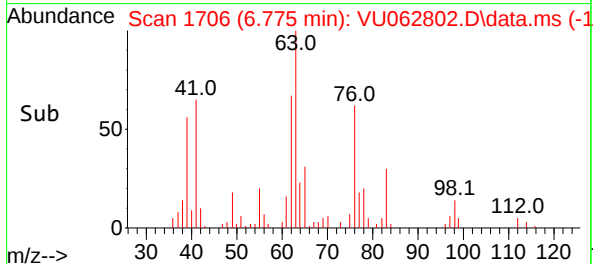
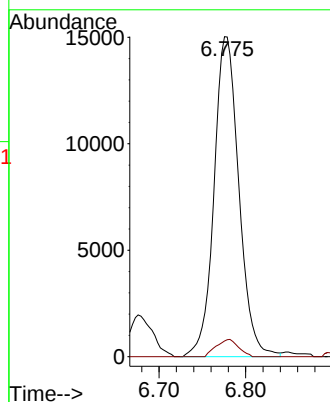
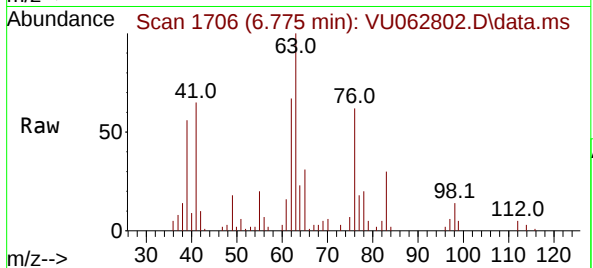
ClientSampleId :

Tgt Ion: 63 Resp: 29993

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 5.002 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

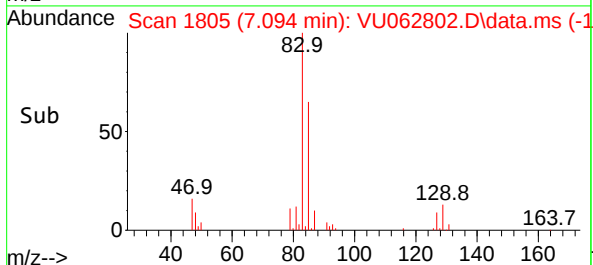
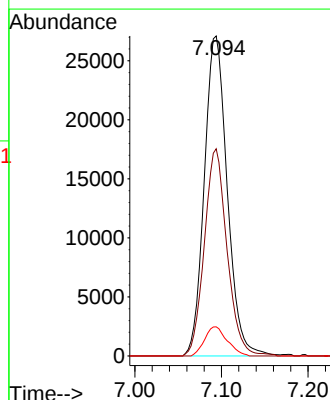
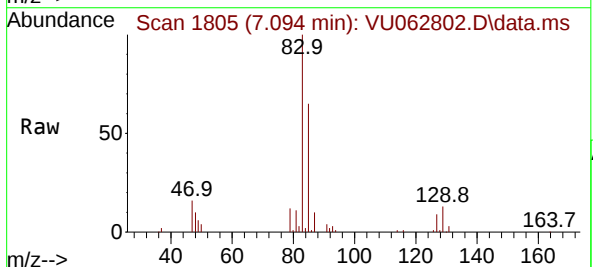
Tgt Ion: 83 Resp: 49982

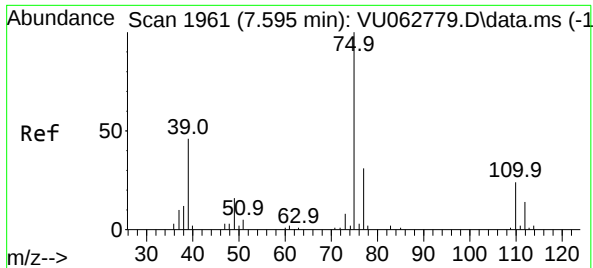
Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.0

127 9.1 7.8 11.8

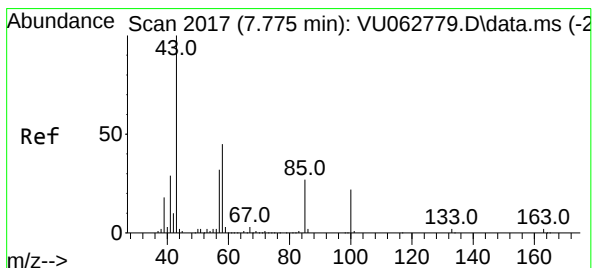
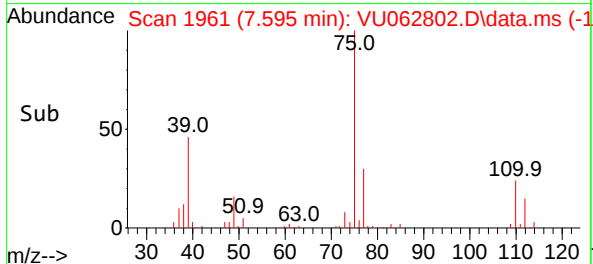
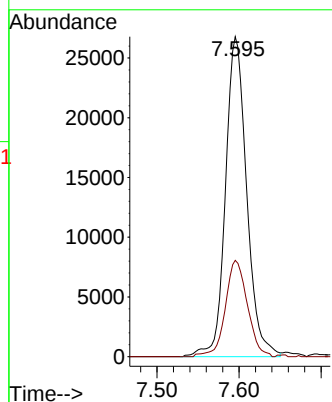
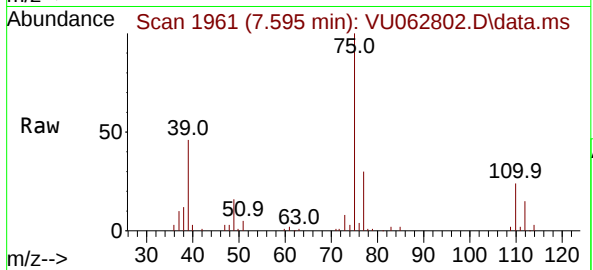




#39
 cis-1,3-Dichloropropene
 Concen: 4.557 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

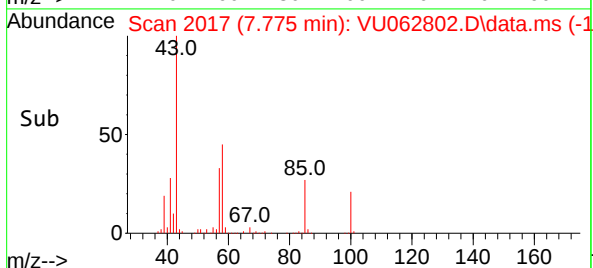
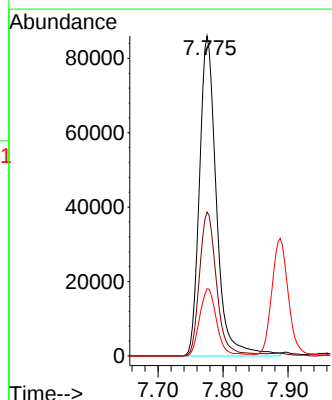
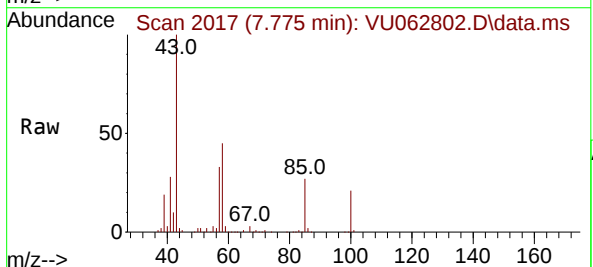
Instrument :
 MSVOA_U
 ClientSampleId :

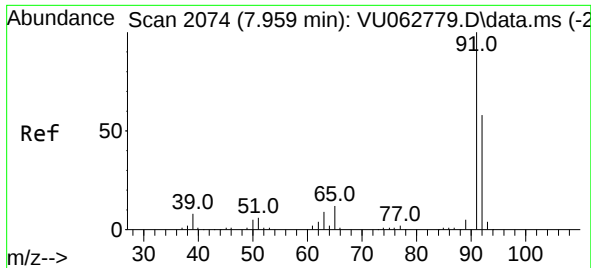
Tgt Ion: 75 Resp: 48215
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 54.042 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Tgt Ion: 43 Resp: 156869
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.8 53.8
 100 21.3 16.8 25.2





#42

Toluene

Concen: 4.989 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

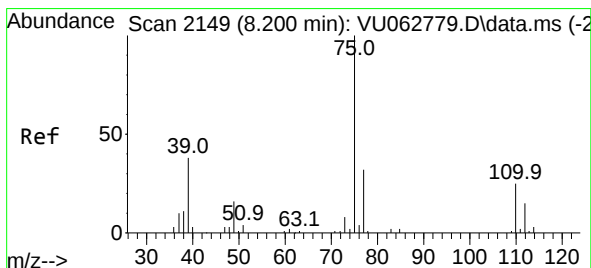
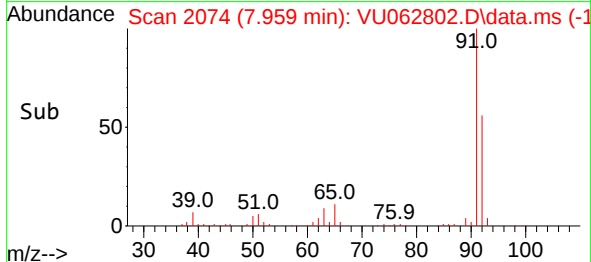
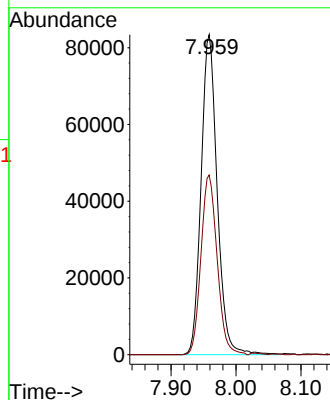
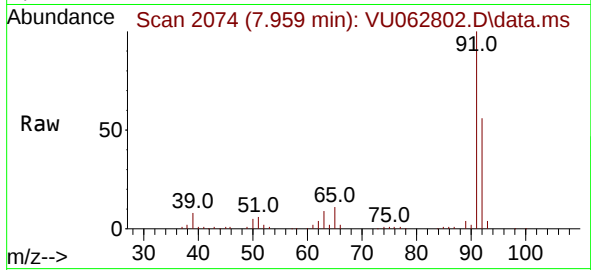
ClientSampleId :

Tgt Ion: 91 Resp: 144018

Ion Ratio Lower Upper

91 100

92 56.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.672 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU062802.D

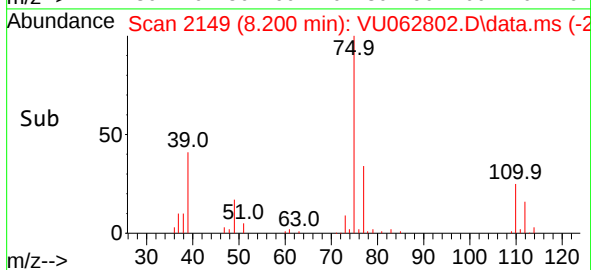
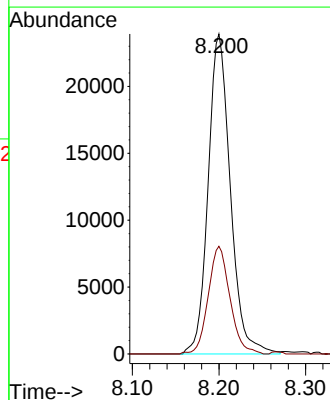
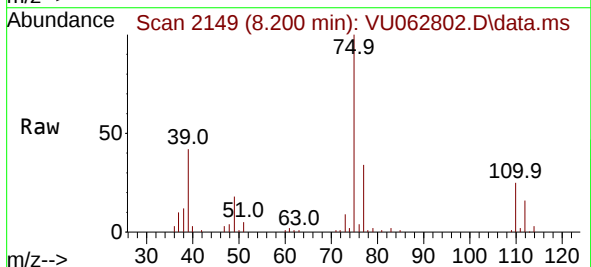
Acq: 16 Jan 2025 06:33

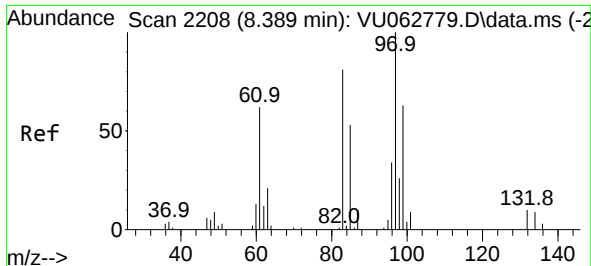
Tgt Ion: 75 Resp: 42616

Ion Ratio Lower Upper

75 100

77 33.6 21.8 40.6



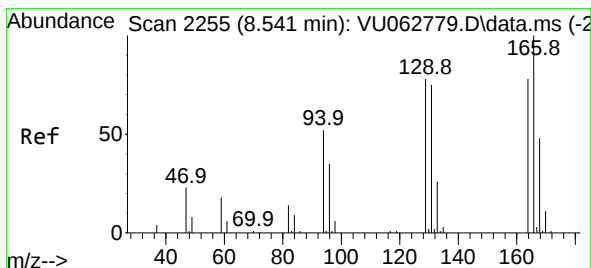
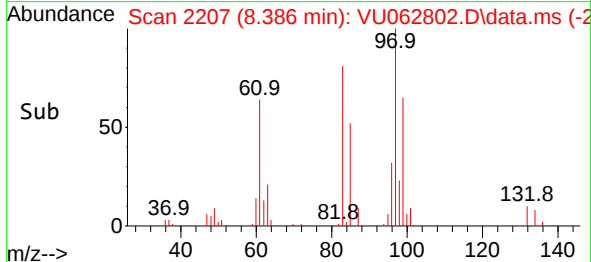
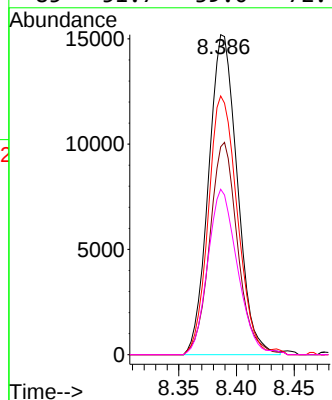
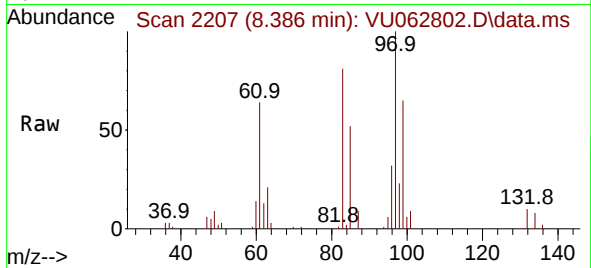


#45
1,1,2-Trichloroethane
Concen: 5.219 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 26337

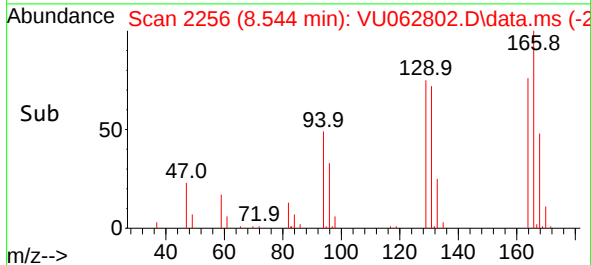
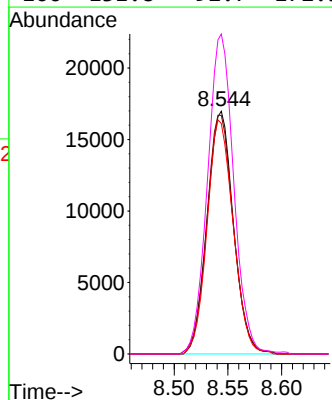
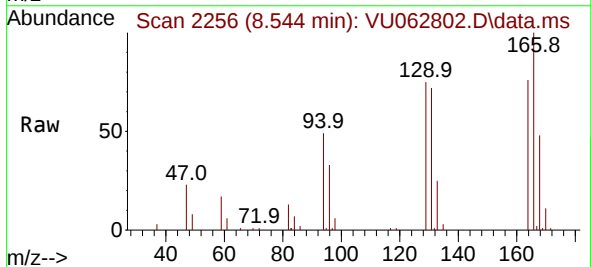
Ion	Ratio	Lower	Upper
97	100		
99	64.9	45.6	84.6
83	80.9	63.0	117.0
85	51.7	39.0	72.4

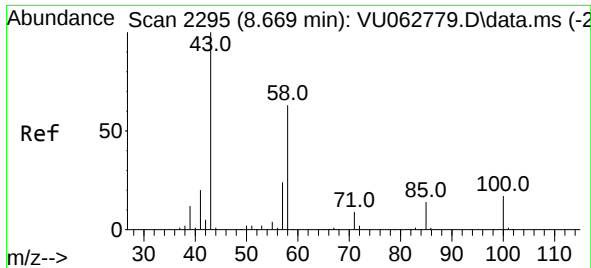


#47
Tetrachloroethene
Concen: 4.667 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion: 164 Resp: 28922

Ion	Ratio	Lower	Upper
164	100		
129	98.3	71.0	131.9
131	94.9	69.4	129.0
166	131.8	92.7	172.3

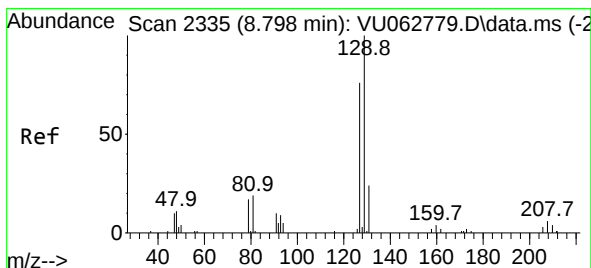
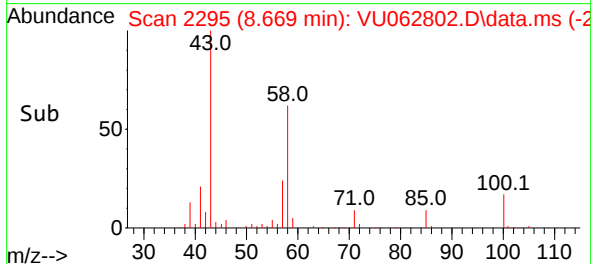
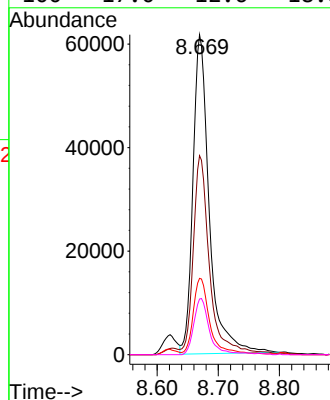
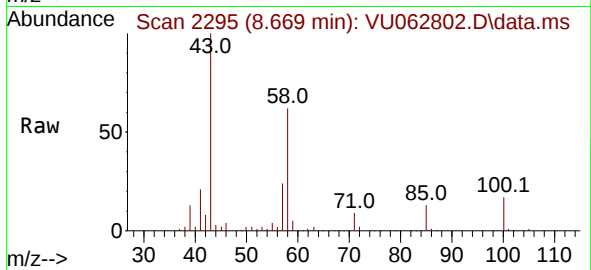




#48
2-Hexanone
Concen: 54.753 ug/L
RT: 8.669 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

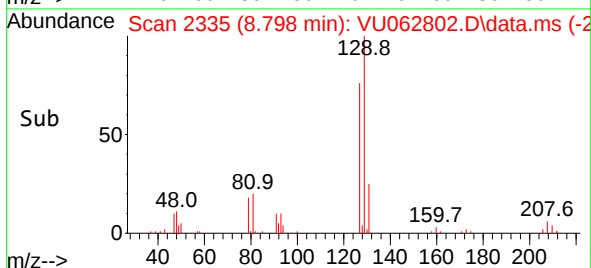
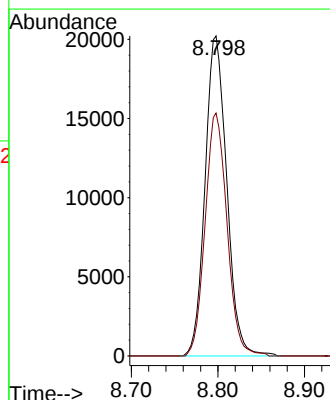
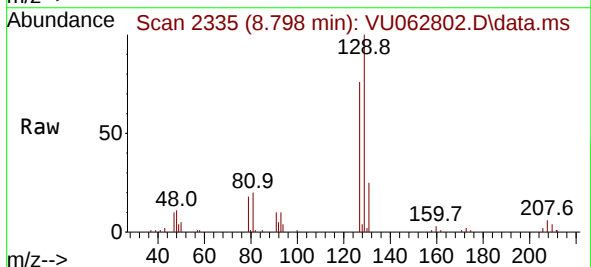
Instrument :
MSVOA_U
ClientSampleId :

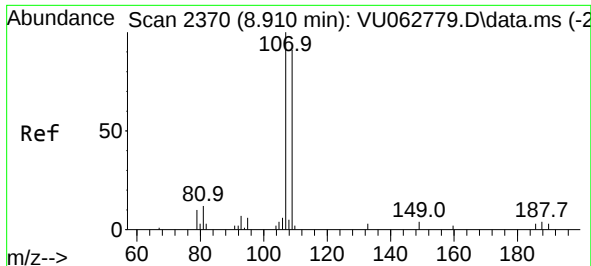
Tgt Ion:	43	Resp:	114261
Ion	Ratio	Lower	Upper
43	100		
58	63.1	50.2	75.4
57	23.1	19.9	29.9
100	17.0	12.6	18.8



#49
Dibromochloromethane
Concen: 5.192 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:	129	Resp:	35184
Ion	Ratio	Lower	Upper
129	100		
127	75.9	52.1	96.9





#50

1,2-Dibromoethane

Concen: 5.412 ug/L

RT: 8.910 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

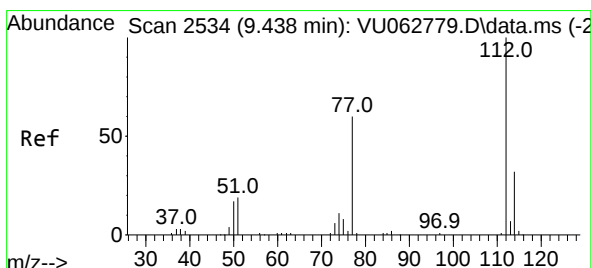
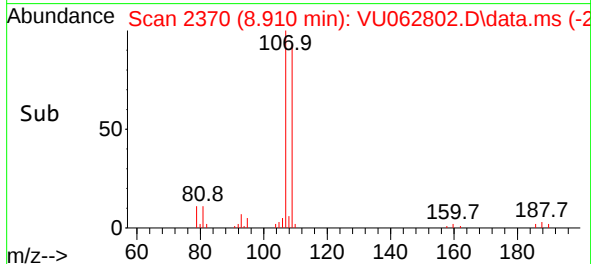
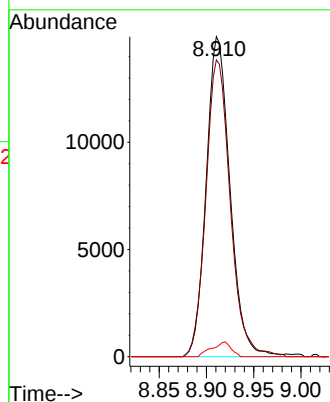
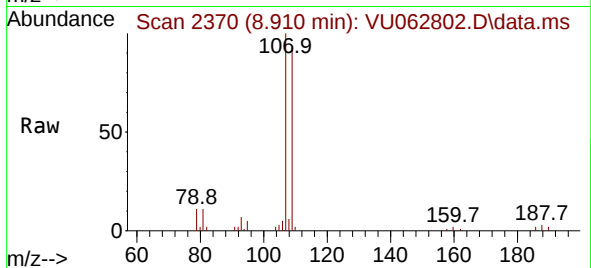
Tgt Ion:107 Resp: 26131

Ion Ratio Lower Upper

107 100

109 92.7 65.7 121.9

188 3.0 3.4 5.2#



#51

Chlorobenzene

Concen: 4.872 ug/L

RT: 9.435 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

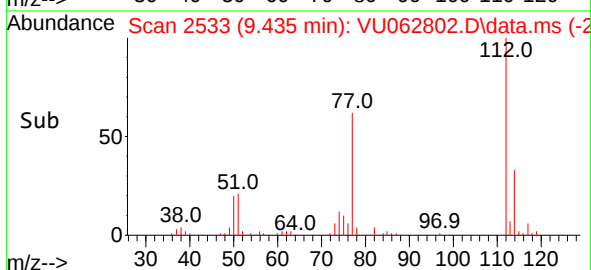
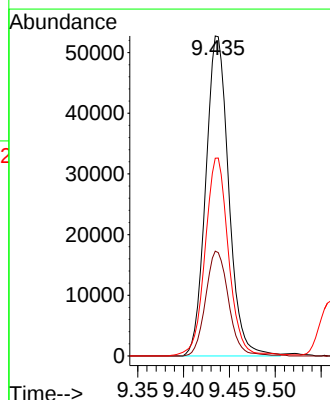
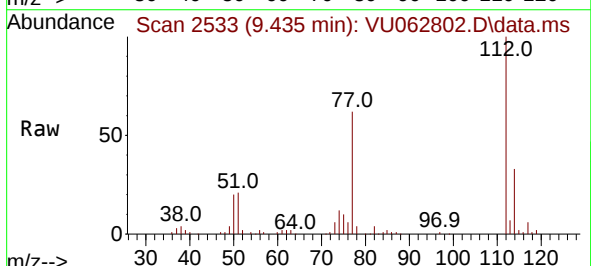
Tgt Ion:112 Resp: 91965

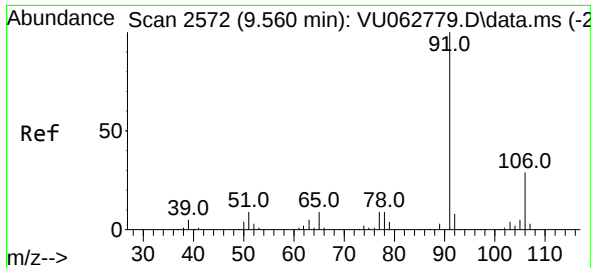
Ion Ratio Lower Upper

112 100

114 32.8 21.7 40.3

77 61.8 48.6 73.0

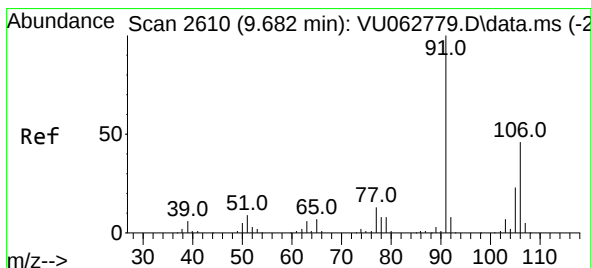
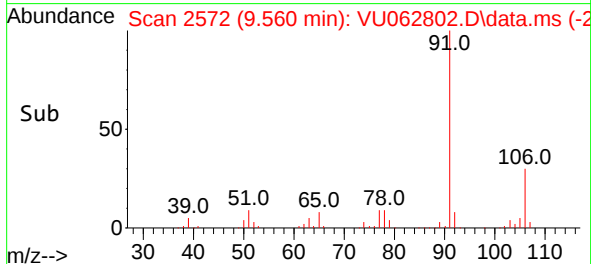
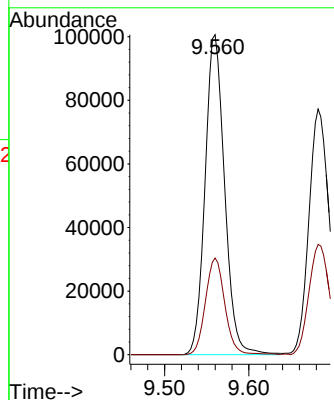
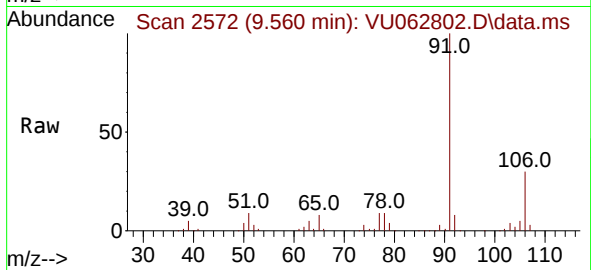




#52
Ethylbenzene
Concen: 4.959 ug/L
RT: 9.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

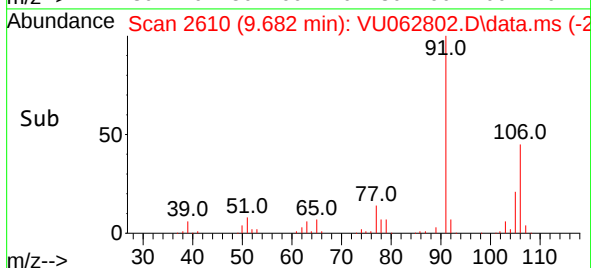
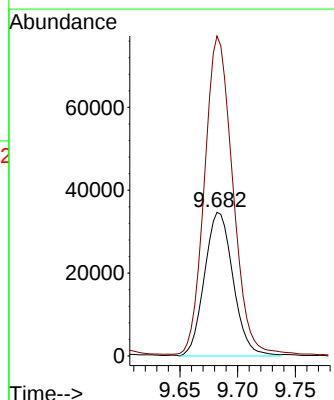
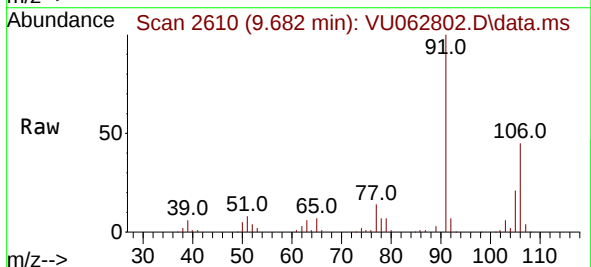
Instrument :
MSVOA_U
ClientSampleId :

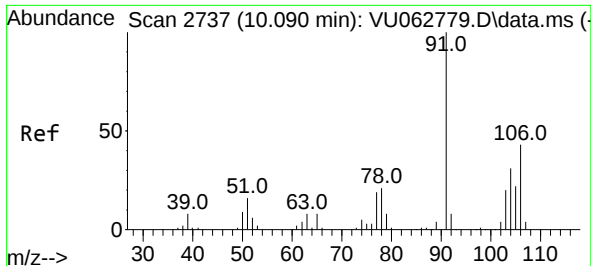
Tgt Ion: 91 Resp: 162442
Ion Ratio Lower Upper
91 100
106 30.2 21.9 40.7



#53
m,p-Xylene
Concen: 4.877 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion: 106 Resp: 59740
Ion Ratio Lower Upper
106 100
91 222.8 153.1 284.3

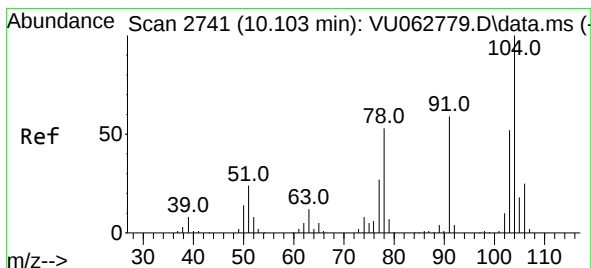
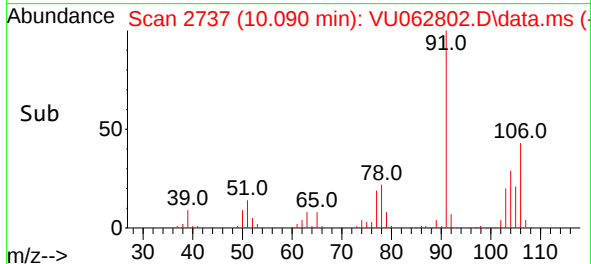
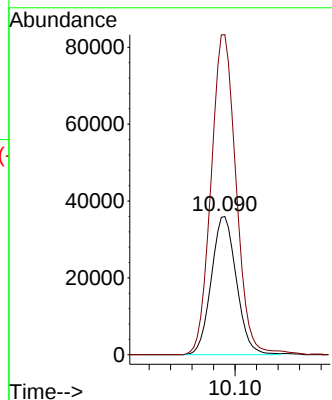
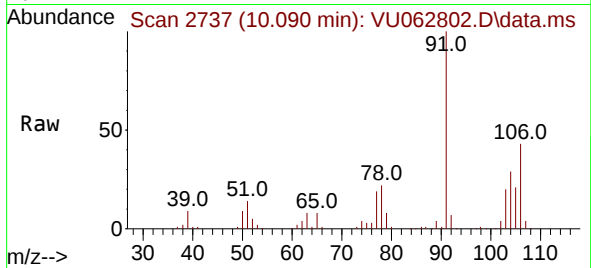




#54
o-Xylene
Concen: 4.972 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

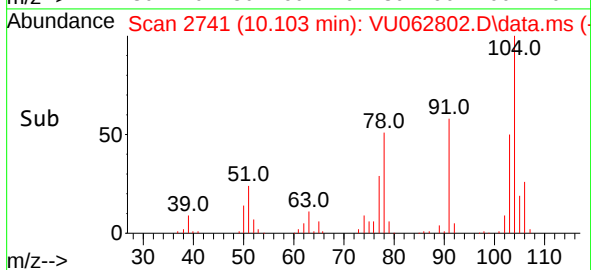
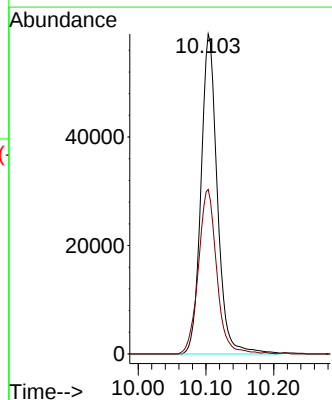
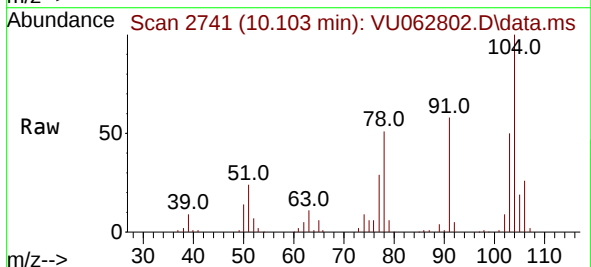
Instrument :
MSVOA_U
ClientSampleId :

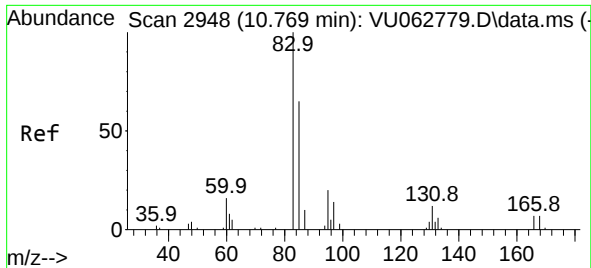
Tgt Ion:106 Resp: 58342
Ion Ratio Lower Upper
106 100
91 231.5 160.4 297.8



#55
Styrene
Concen: 5.051 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:104 Resp: 99147
Ion Ratio Lower Upper
104 100
78 51.4 35.5 65.9

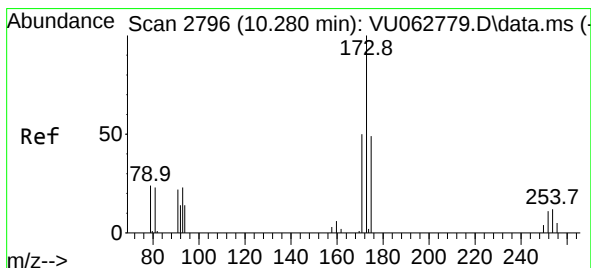
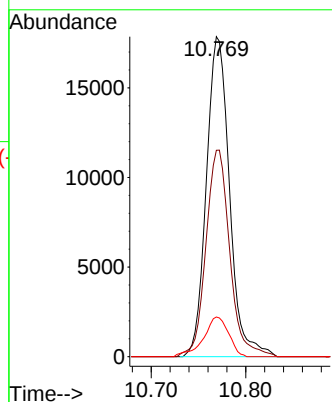
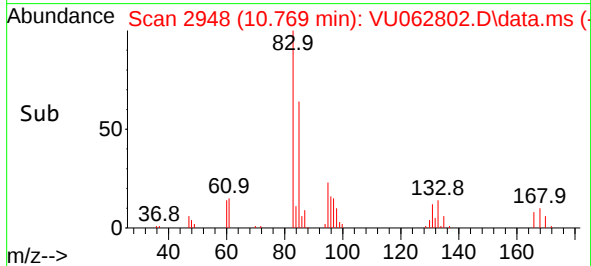
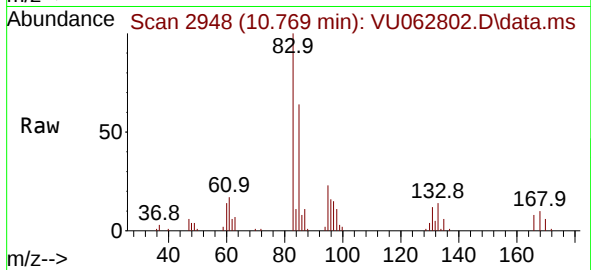




#57
1,1,2,2-Tetrachloroethane
Concen: 5.368 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

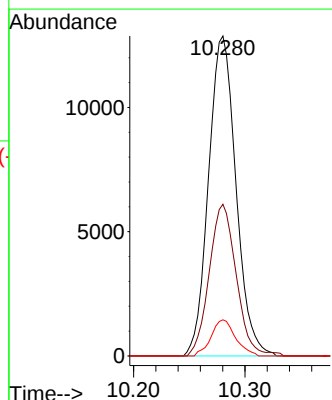
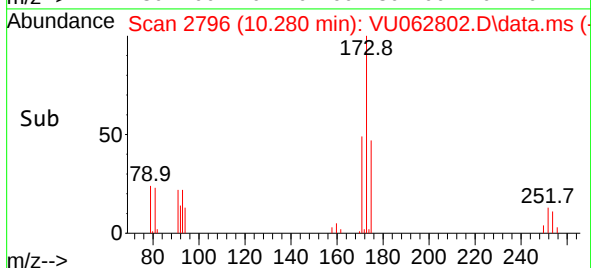
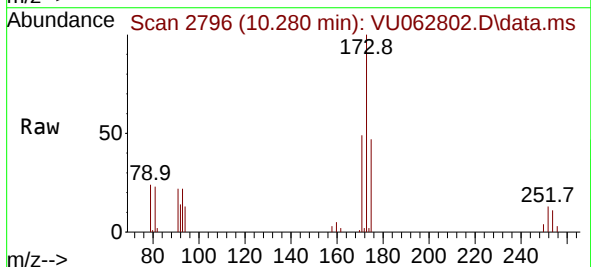
Instrument :
MSVOA_U
ClientSampleId :

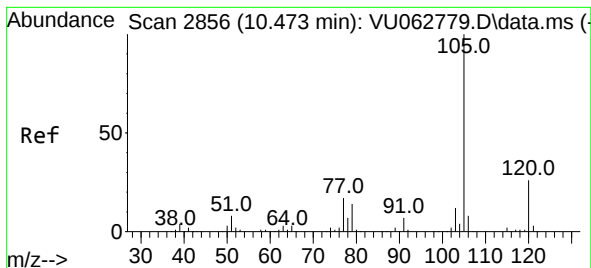
Tgt Ion: 83 Resp: 30390
Ion Ratio Lower Upper
83 100
85 64.5 43.0 79.8
131 12.4 7.4 11.0#



#59
Bromoform
Concen: 5.191 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:173 Resp: 22008
Ion Ratio Lower Upper
173 100
175 46.7 39.8 59.8
254 10.1 8.6 12.8





#60

Isopropylbenzene

Concen: 4.896 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU062802.D

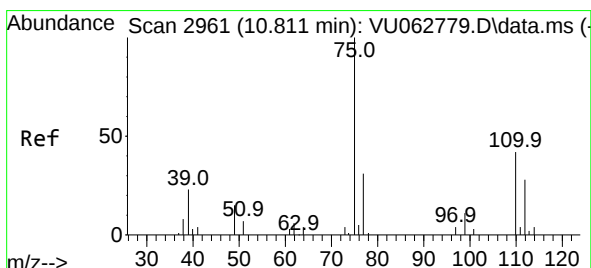
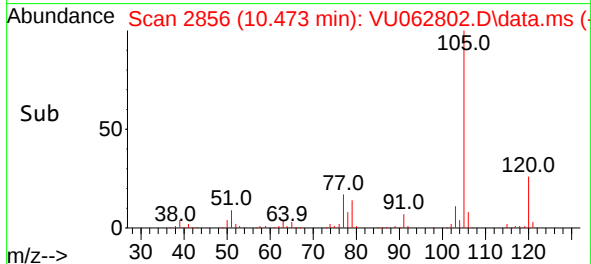
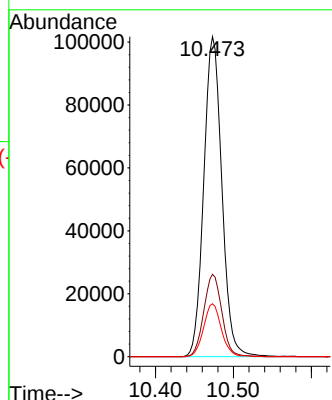
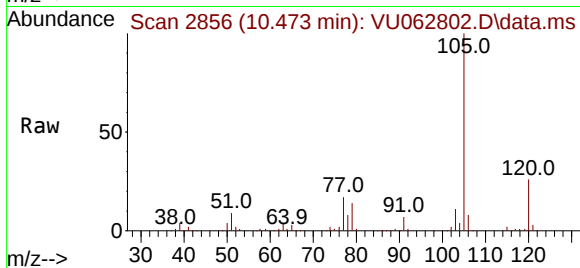
Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	163978
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.2	30.2
77	16.3	13.0	19.4



#61

1,2,3-Trichloropropane

Concen: 5.269 ug/L

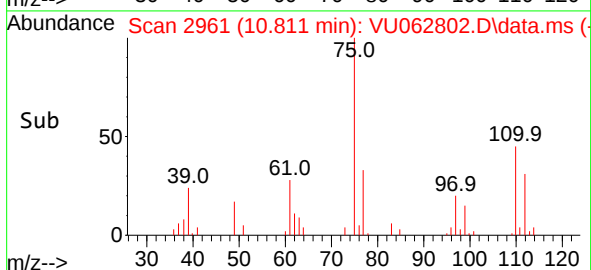
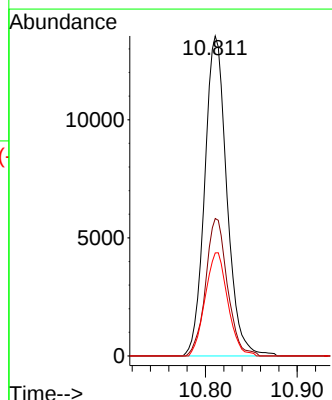
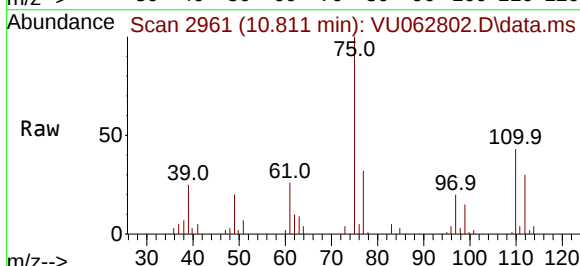
RT: 10.811 min Scan# 2961

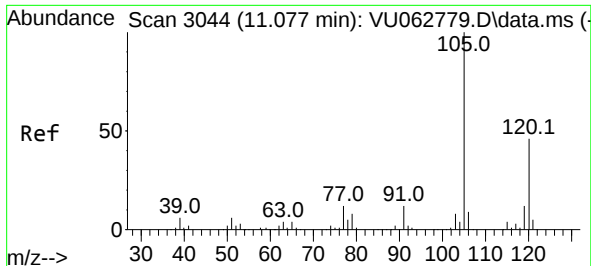
Delta R.T. 0.000 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Tgt Ion:	75	Resp:	22716
Ion Ratio	Lower	Upper	
75	100		
110	42.2	33.2	49.8
77	33.0	25.9	38.9

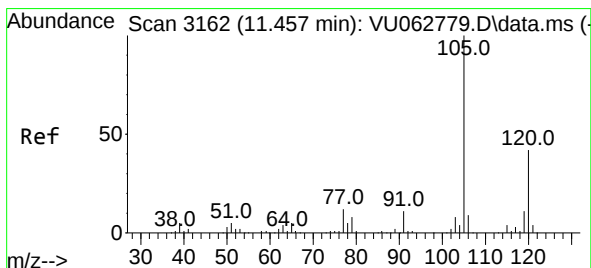
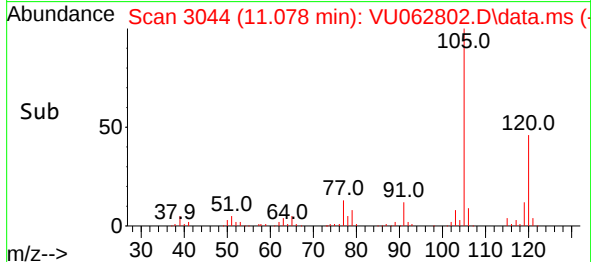
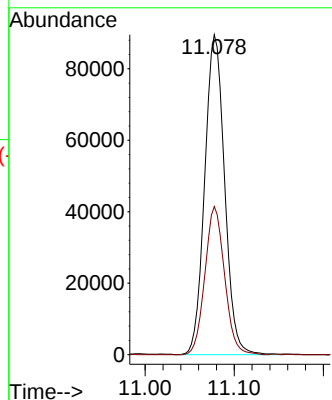
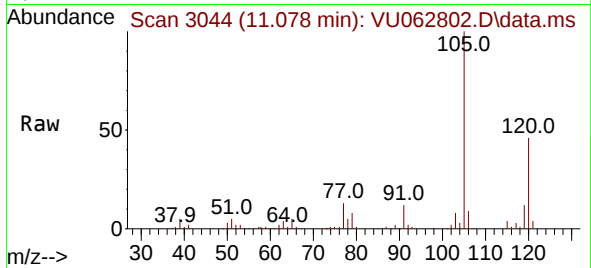




#62
1,3,5-Trimethylbenzene
Concen: 4.873 ug/L
RT: 11.078 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

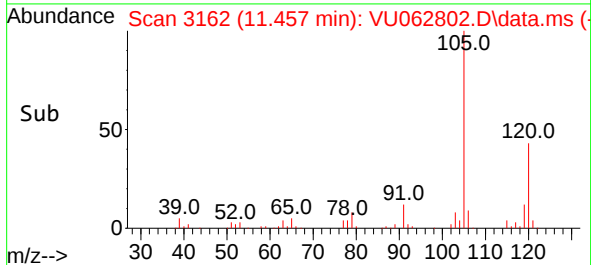
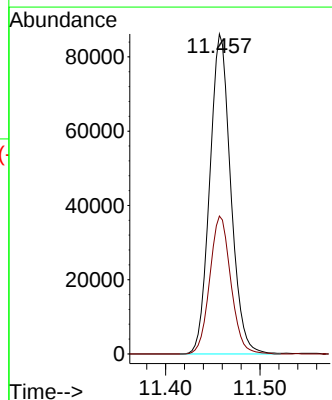
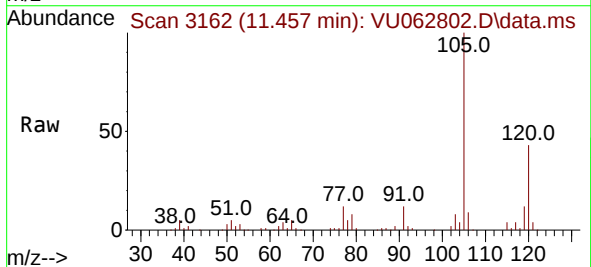
Instrument :
MSVOA_U
ClientSampleId :

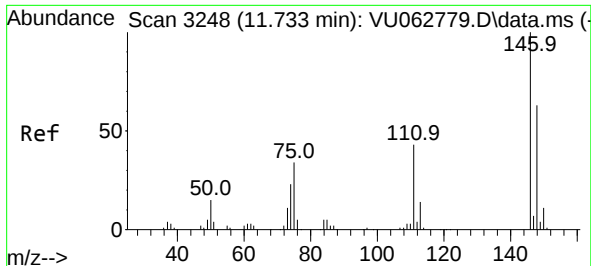
Tgt Ion:105 Resp: 138729
Ion Ratio Lower Upper
105 100
120 45.8 35.9 53.9



#63
1,2,4-Trimethylbenzene
Concen: 4.824 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:105 Resp: 132849
Ion Ratio Lower Upper
105 100
120 43.2 34.2 51.2

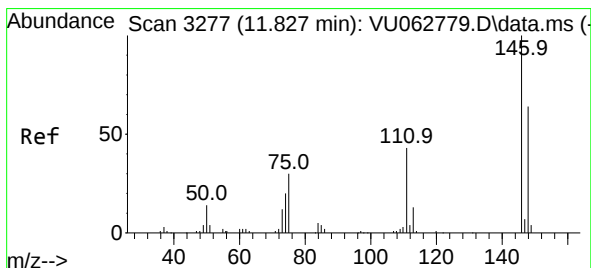
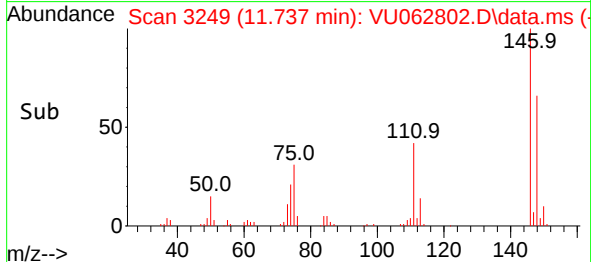
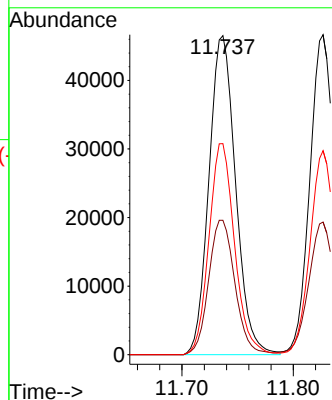
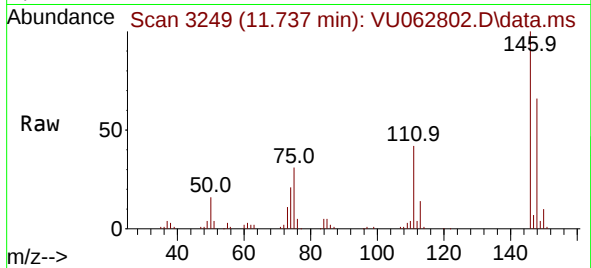




#64
 1,3-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 11.737 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

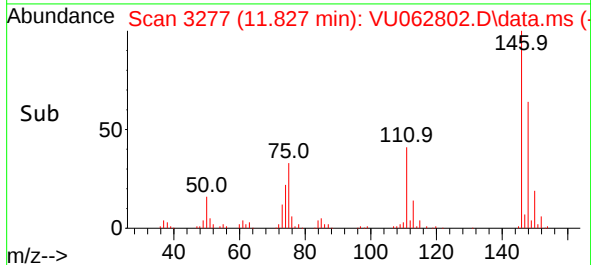
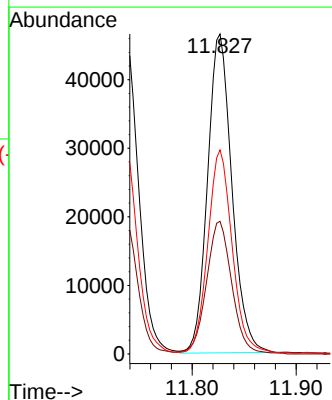
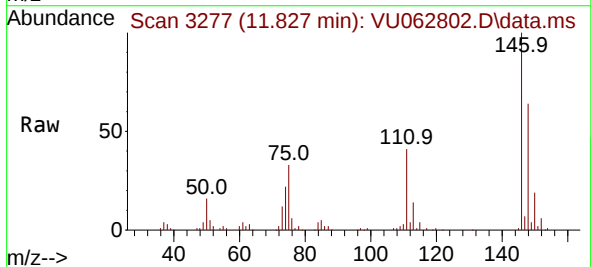
Instrument :
 MSVOA_U
 ClientSampleId :

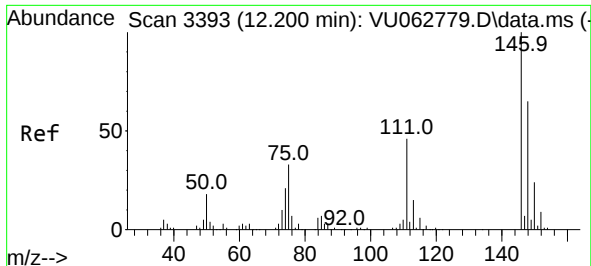
Tgt Ion:146 Resp: 77427
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.6 53.0
 148 66.2 44.0 81.6



#65
 1,4-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 11.827 min Scan# 3277
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Tgt Ion:146 Resp: 75734
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.5 54.9
 148 63.7 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 5.018 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

Instrument :

MSVOA_U

ClientSampleId :

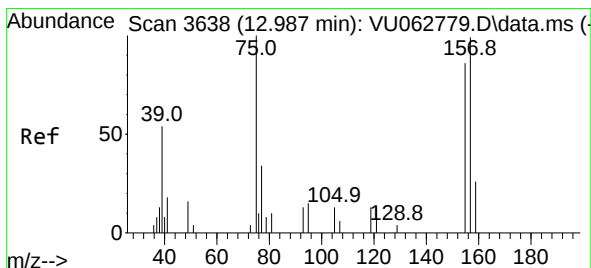
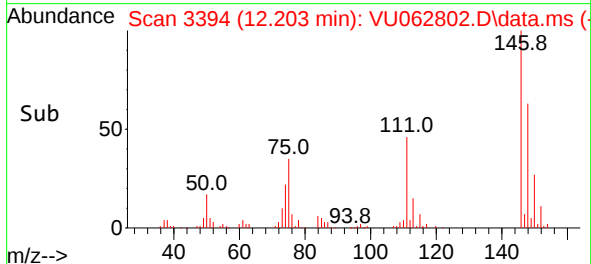
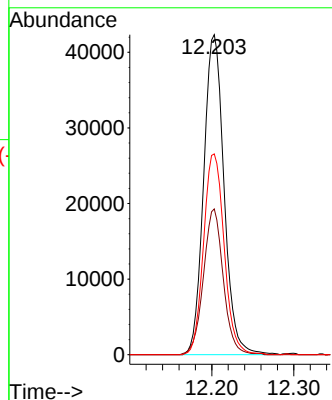
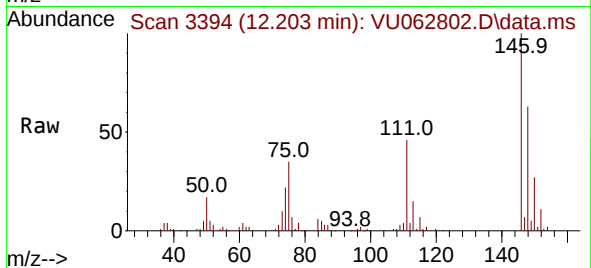
Tgt Ion:146 Resp: 73031

Ion Ratio Lower Upper

146 100

111 45.5 36.3 54.5

148 62.8 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.291 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.003 min

Lab File: VU062802.D

Acq: 16 Jan 2025 06:33

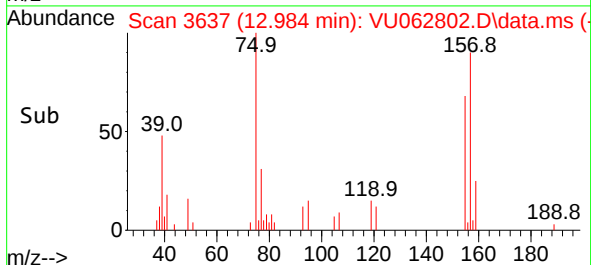
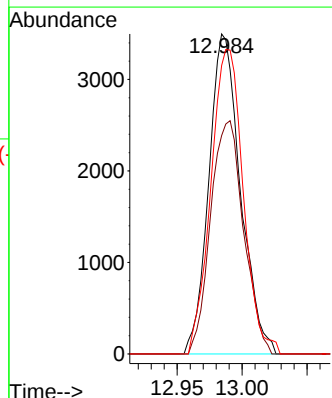
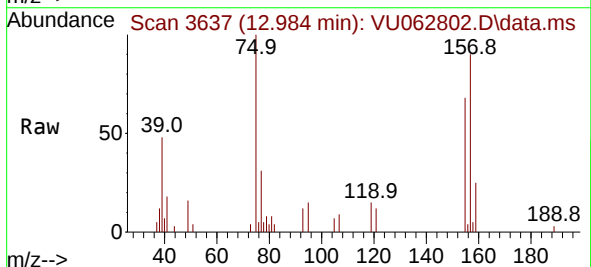
Tgt Ion: 75 Resp: 5909

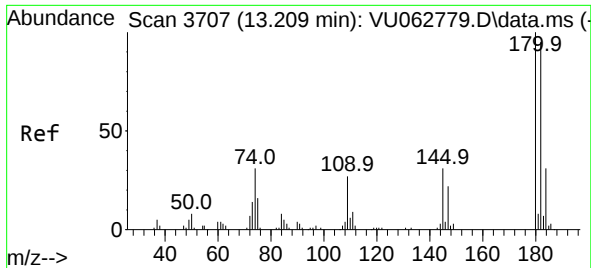
Ion Ratio Lower Upper

75 100

155 68.2 59.6 89.4

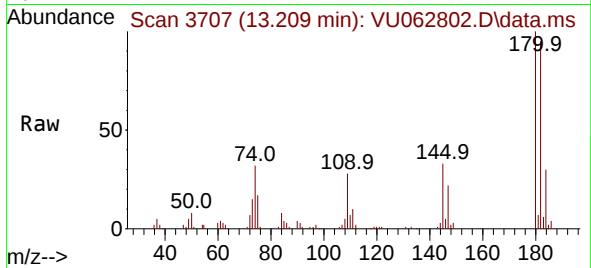
157 90.1 70.8 106.2



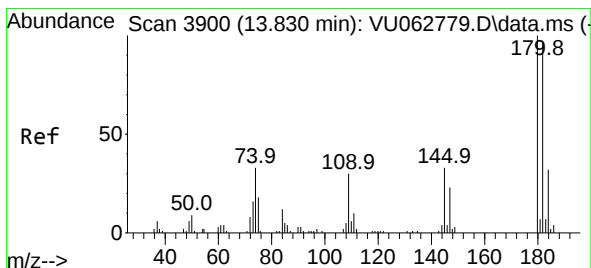
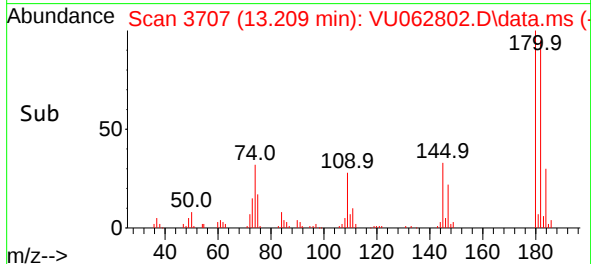
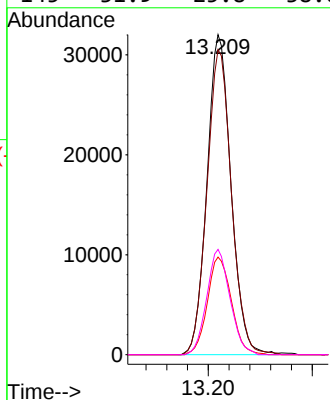


#69
 1,3,5-Trichlorobenzene
 Concen: 4.390 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

Instrument :
 MSVOA_U
 ClientSampleId :

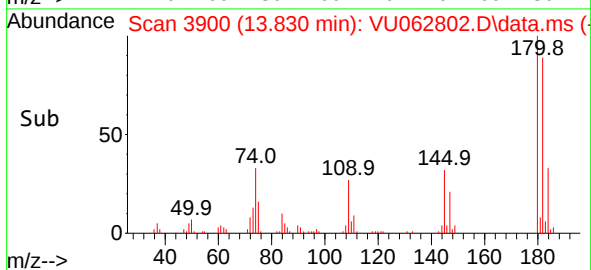
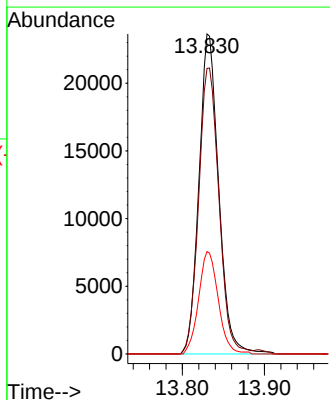
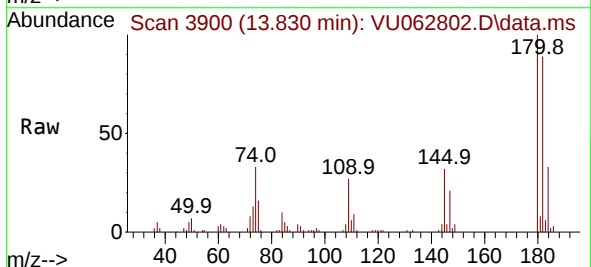


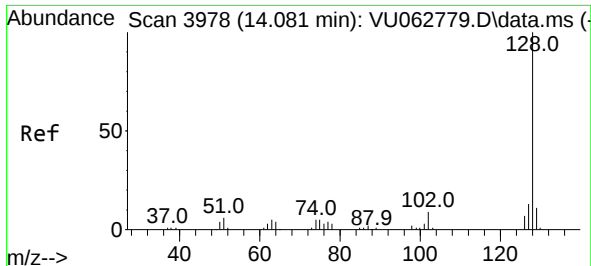
Tgt Ion:180 Resp: 51341
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.8 113.8
 184 30.5 24.7 37.1
 145 31.9 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.188 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. 0.000 min
 Lab File: VU062802.D
 Acq: 16 Jan 2025 06:33

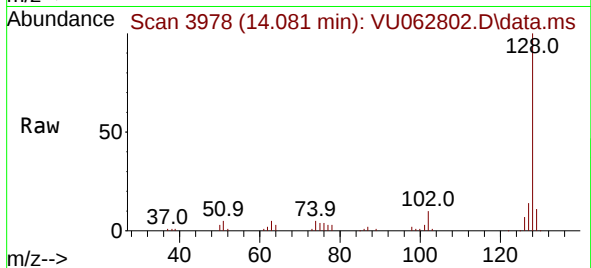
Tgt Ion:180 Resp: 39442
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.1 115.7
 145 31.8 26.9 40.3



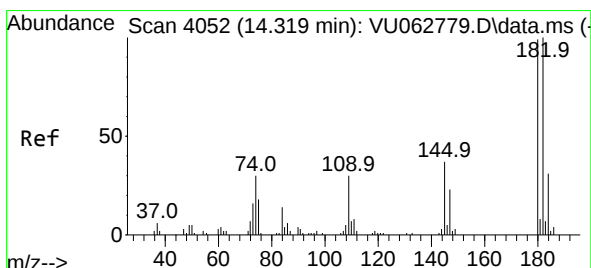
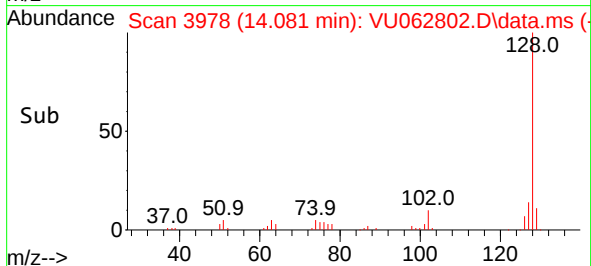
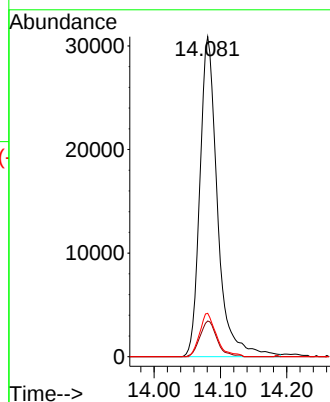


#71
Naphthalene
Concen: 4.157 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 57290
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.9 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.245 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU062802.D
Acq: 16 Jan 2025 06:33

Tgt Ion:180 Resp: 34849
Ion Ratio Lower Upper
180 100
182 92.5 79.8 119.6
145 33.5 29.2 43.8

