

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062832.D
 Acq On : 16 Jan 2025 20:13
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 22:10:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	95326	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	88167	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	48492	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23489	4.449	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.894	69	19953	4.698	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.554	65	12872	4.706	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.605	46	54580	50.582	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.160%
24) Chloroform-d	5.045	84	64478	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.688	65	34642	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.714	84	106233	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.676	67	28957	4.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.888	98	106259	5.061	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.167	79	15039	5.049	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.000%
46) 2-Hexanone-d5	8.618	63	46689	49.838	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.680%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	25647	5.125	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.183	152	40490	5.019	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	43847	4.828	ug/L	99
3) Chloromethane	1.515	50	25360	4.161	ug/L	99
5) Vinyl chloride	1.599	62	29929	4.361	ug/L	93
6) Bromomethane	1.833	94	16059	3.216	ug/L	96
8) Chloroethane	1.917	64	19431	4.713	ug/L	92
9) Trichlorofluoromethane	2.126	101	69707	5.036	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	32964	4.929	ug/L	99
12) 1,1-Dichloroethene	2.566	96	29353	4.960	ug/L	98
13) Acetone	2.611	43	40343	47.196	ug/L	100
14) Carbon disulfide	2.779	76	83393	4.412	ug/L	100
15) Methyl Acetate	2.936	43	9344	5.049	ug/L	99
16) Methylene chloride	3.029	84	32443	5.005	ug/L	98
17) Methyl tert-butyl Ether	3.348	73	82562	5.076	ug/L	100
18) trans-1,2-Dichloroethene	3.338	96	30647	4.834	ug/L	97
19) 1,1-Dichloroethane	3.853	63	55057	4.857	ug/L	94
21) 2-Butanone	4.685	43	57043	50.108	ug/L	98
22) cis-1,2-Dichloroethene	4.650	96	35319	5.116	ug/L	96
23) Bromochloromethane	4.962	128	16305	5.003	ug/L	97
25) Chloroform	5.071	83	69667	4.994	ug/L	96

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 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 22:10:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

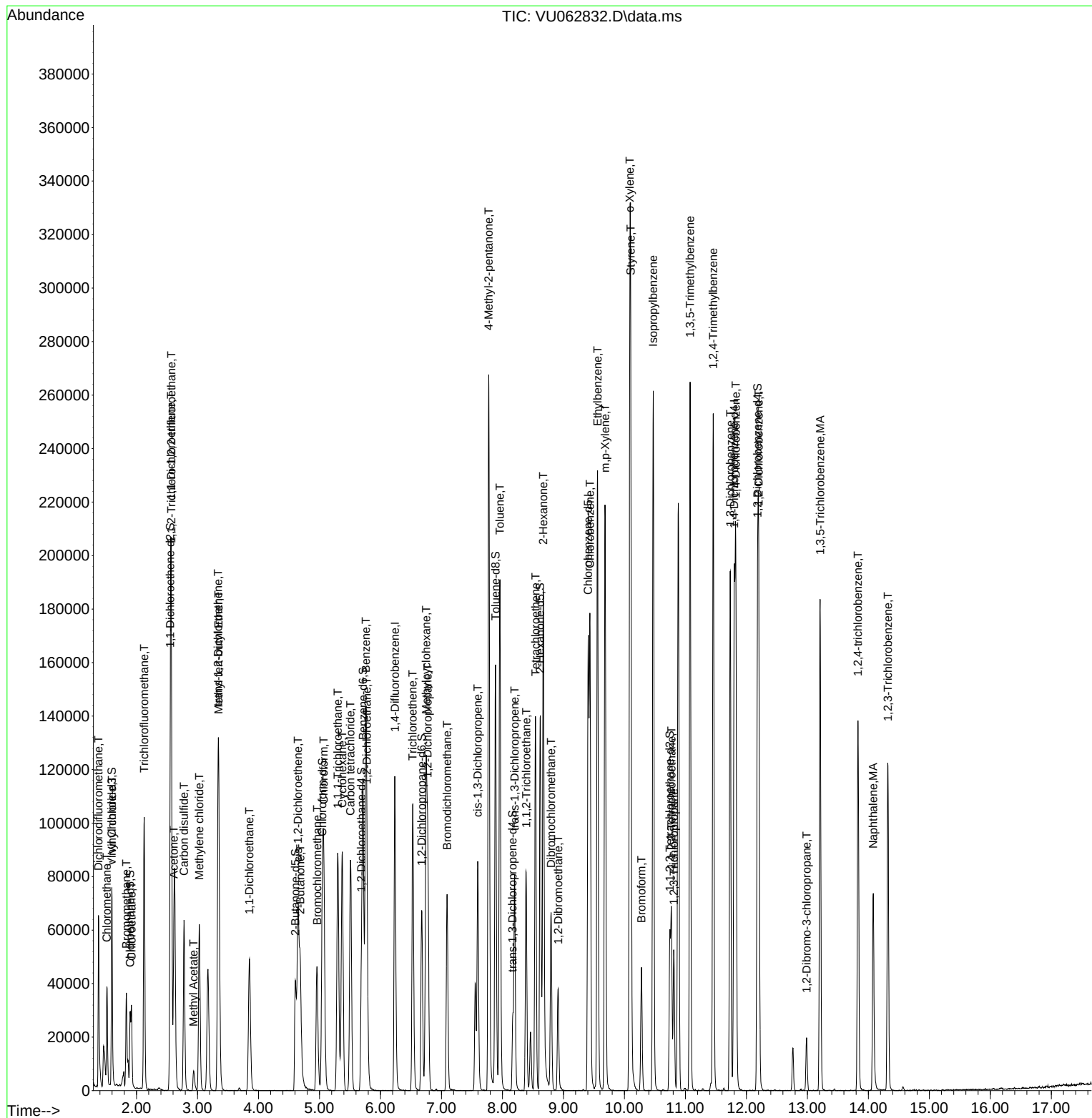
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	46660	5.115	ug/L	96
29) 1,1,1-Trichloroethane	5.299	97	68301	5.107	ug/L	98
30) Cyclohexane	5.373	56	42072	4.817	ug/L	96
31) Carbon tetrachloride	5.508	117	63430	5.161	ug/L	98
33) Benzene	5.759	78	124272	4.906	ug/L	100
34) Trichloroethene	6.528	95	36405	4.207	ug/L	97
35) Methylcyclohexane	6.750	83	49869	4.684	ug/L	99
37) 1,2-Dichloropropane	6.775	63	28870	4.831	ug/L	100
38) Bromodichloromethane	7.094	83	48998	5.099	ug/L	95
39) cis-1,3-Dichloropropene	7.595	75	50289	4.943	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	142436	51.027	ug/L	98
42) Toluene	7.958	91	140901	5.076	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	46036	5.249	ug/L	94
45) 1,1,2-Trichloroethane	8.389	97	25817	5.320	ug/L	94
47) Tetrachloroethene	8.544	164	29742	4.990	ug/L	97
48) 2-Hexanone	8.669	43	106217	52.929	ug/L	97
49) Dibromochloromethane	8.798	129	34104	5.234	ug/L	99
50) 1,2-Dibromoethane	8.913	107	24790	5.339	ug/L	99
51) Chlorobenzene	9.434	112	93864	5.171	ug/L	99
52) Ethylbenzene	9.560	91	161397	5.124	ug/L	99
53) m,p-Xylene	9.685	106	61393	5.211	ug/L	97
54) o-Xylene	10.090	106	58689	5.201	ug/L	99
55) Styrene	10.103	104	102009	5.404	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	29099	5.345	ug/L	99
59) Bromoform	10.280	173	21687	5.127	ug/L	98
60) Isopropylbenzene	10.473	105	167312	5.007	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	21502	4.999	ug/L	97
62) 1,3,5-Trimethylbenzene	11.077	105	146250	5.149	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	142835	5.199	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	80484	5.195	ug/L	99
65) 1,4-Dichlorobenzene	11.826	146	78368	5.017	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	74018	5.098	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	5759	5.169	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.209	180	57515	4.929	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	45134	4.803	ug/L	98
71) Naphthalene	14.080	128	65115	4.736	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	39392	4.809	ug/L	96

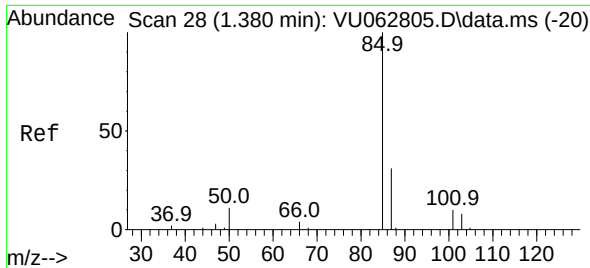
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Data File : VU062832.D
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Misc : 25mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 16 22:10:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
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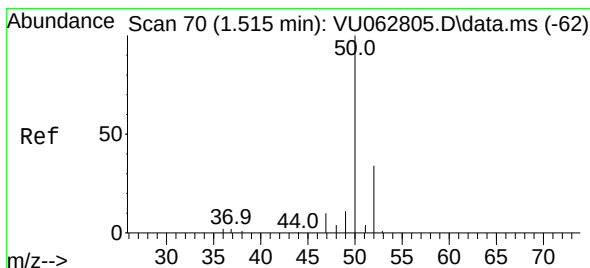
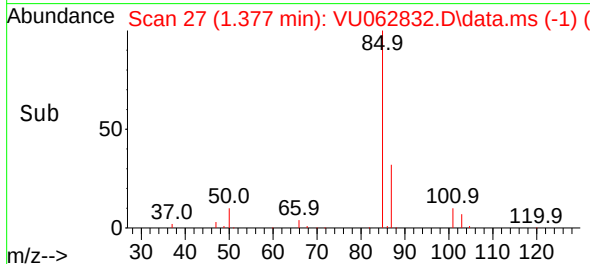
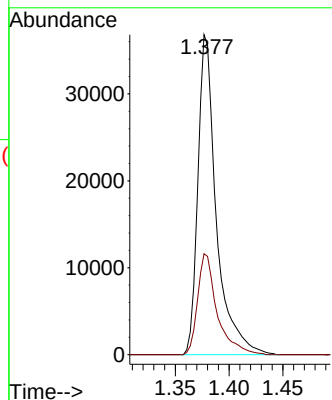
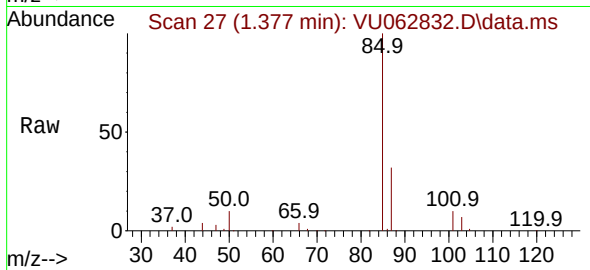




#2
Dichlorodifluoromethane
Concen: 4.828 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

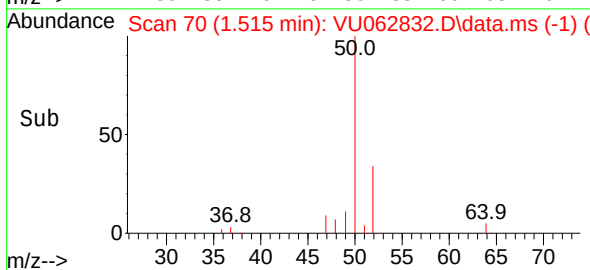
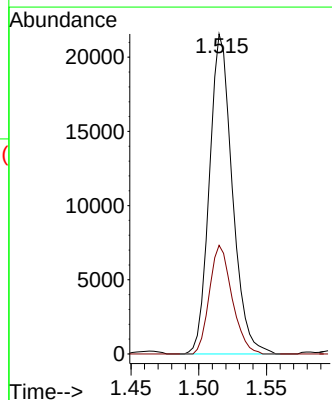
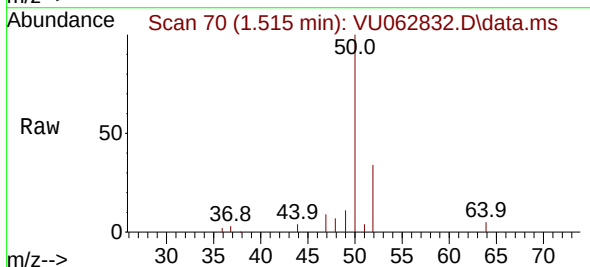
Instrument :
MSVOA_U
ClientSampleId :

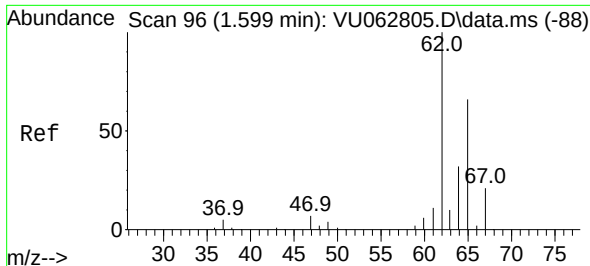
Tgt Ion: 85 Resp: 43847
Ion Ratio Lower Upper
85 100
87 33.4 26.1 39.1



#3
Chloromethane
Concen: 4.161 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

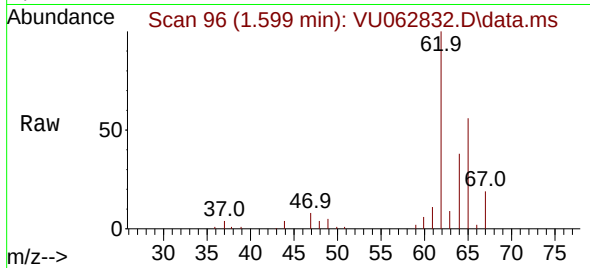
Tgt Ion: 50 Resp: 25360
Ion Ratio Lower Upper
50 100
52 34.0 24.1 44.7



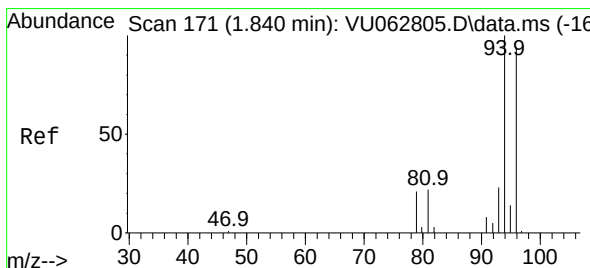
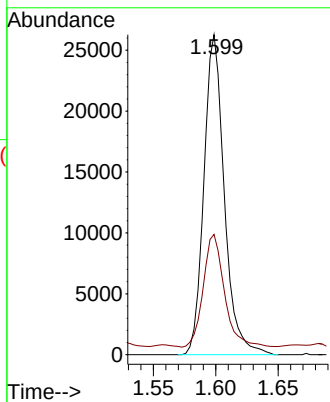
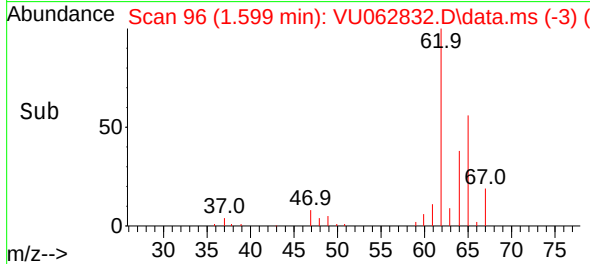


#5
 Vinyl chloride
 Concen: 4.361 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13

Instrument :
 MSVOA_U
 ClientSampleId :

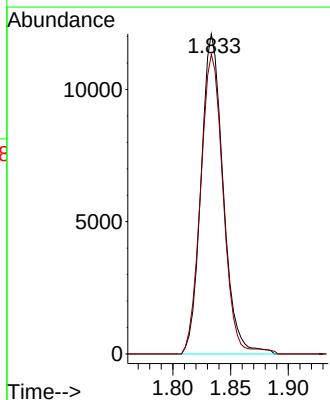
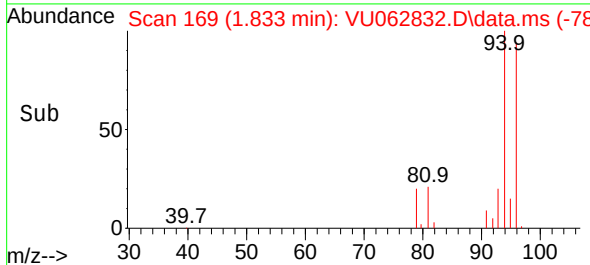
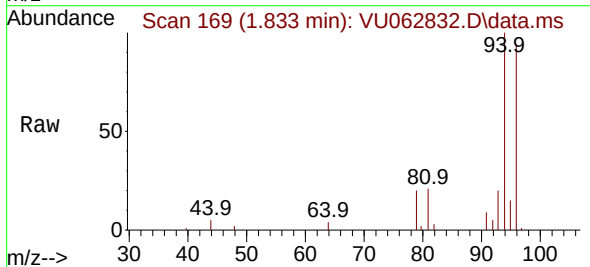


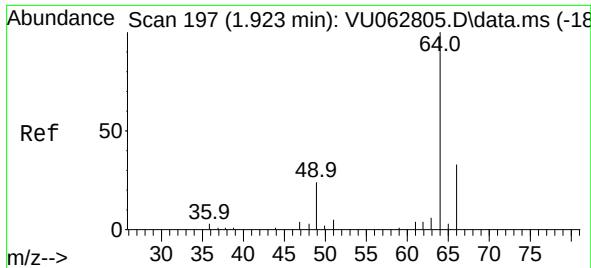
Tgt Ion: 62 Resp: 29929
 Ion Ratio Lower Upper
 62 100
 64 37.6 23.4 43.4



#6
 Bromomethane
 Concen: 3.216 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.006 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13

Tgt Ion: 94 Resp: 16059
 Ion Ratio Lower Upper
 94 100
 96 93.7 62.9 116.7

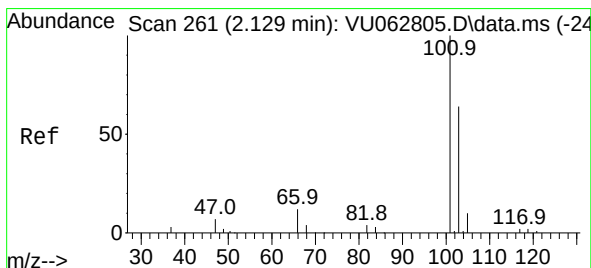
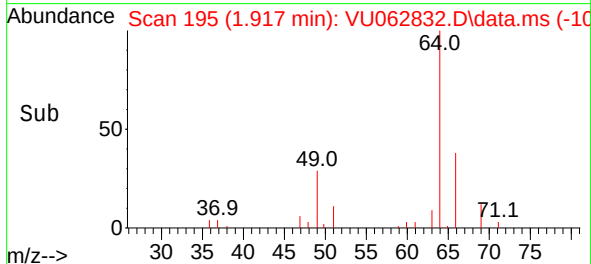
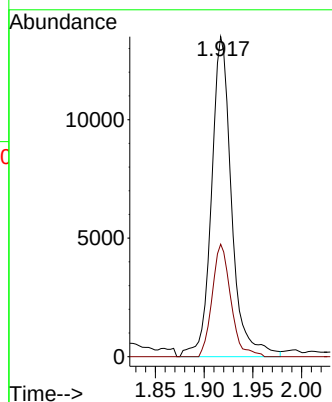
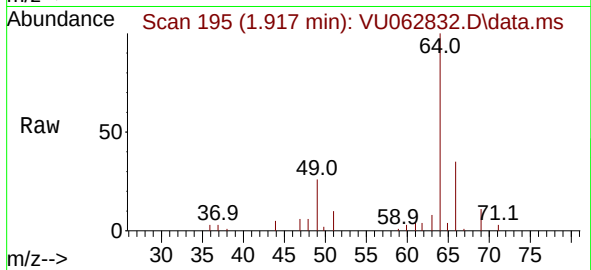




#8
Chloroethane
Concen: 4.713 ug/L
RT: 1.917 min Scan# 194
Delta R.T. -0.006 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

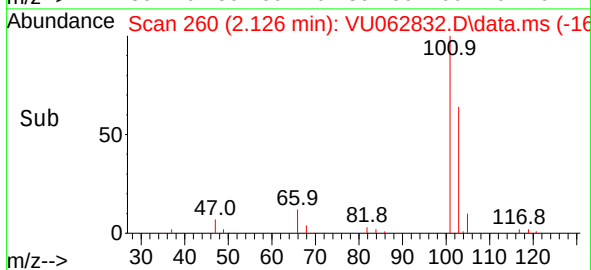
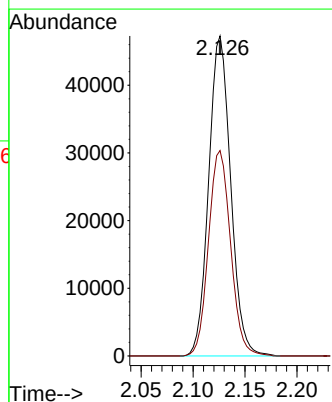
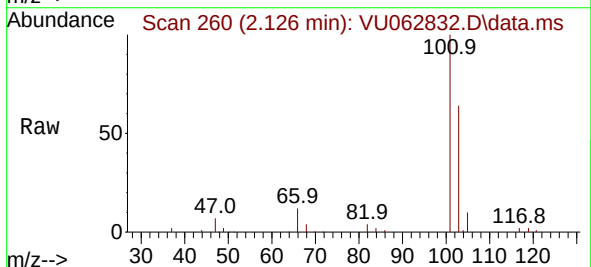
Instrument :
MSVOA_U
ClientSampleId :

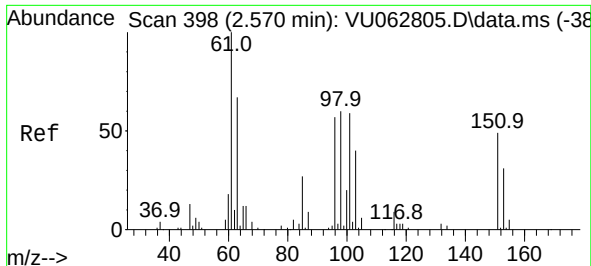
Tgt Ion: 64 Resp: 19431
Ion Ratio Lower Upper
64 100
66 35.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.036 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion:101 Resp: 69707
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 4.929 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

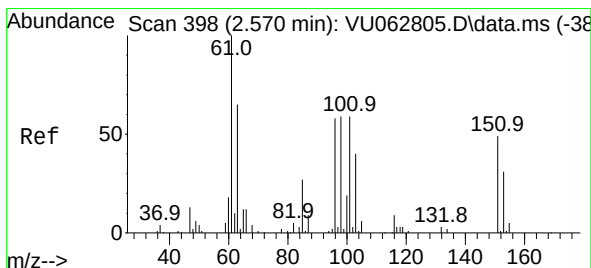
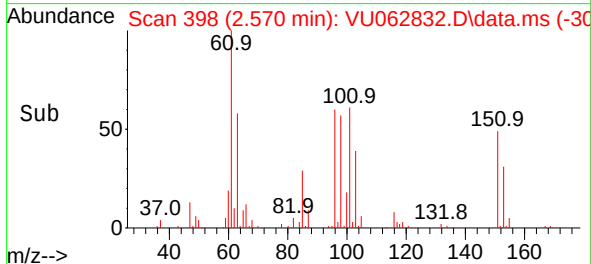
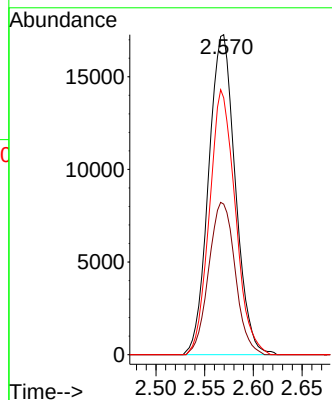
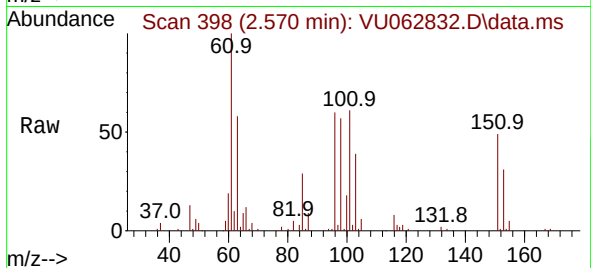
Tgt Ion:101 Resp: 32964

Ion Ratio Lower Upper

101 100

85 47.0 37.0 55.6

151 80.1 64.4 96.6



#12

1,1-Dichloroethene

Concen: 4.960 ug/L

RT: 2.566 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

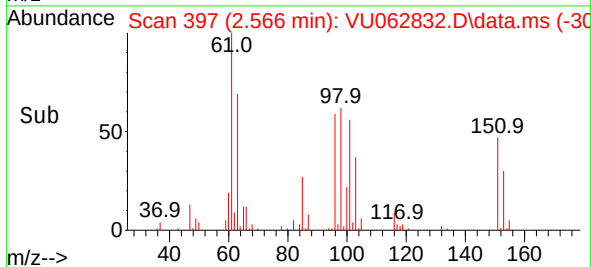
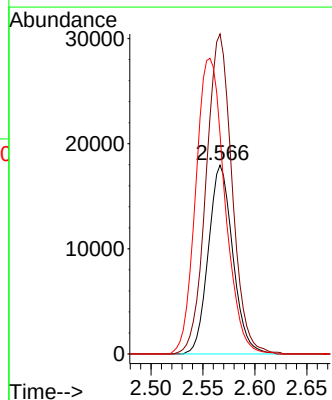
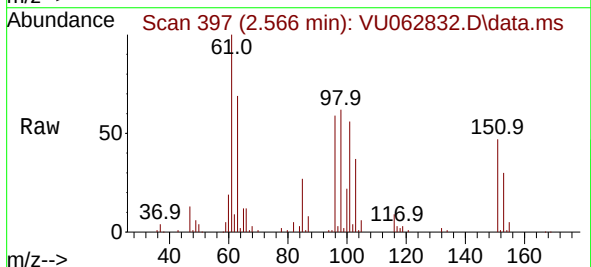
Tgt Ion: 96 Resp: 29353

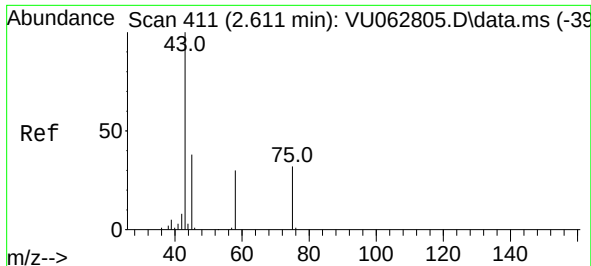
Ion Ratio Lower Upper

96 100

61 169.5 120.4 223.6

63 116.4 82.3 152.9





#13

Acetone

Concen: 47.196 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

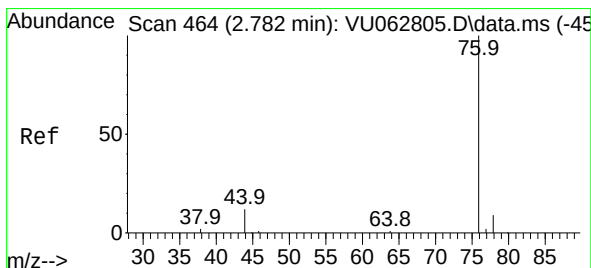
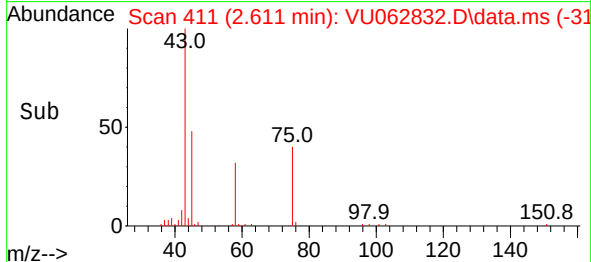
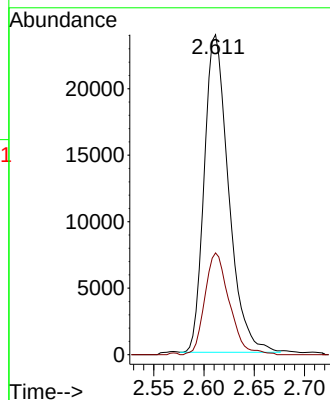
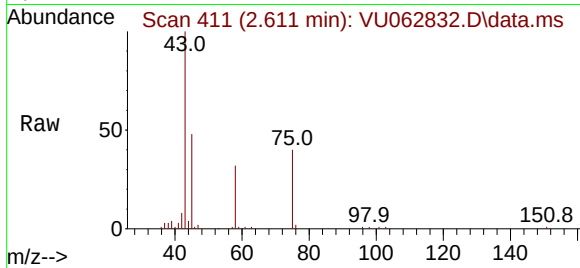
ClientSampleId :

Tgt Ion: 43 Resp: 40343

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.4



#14

Carbon disulfide

Concen: 4.412 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU062832.D

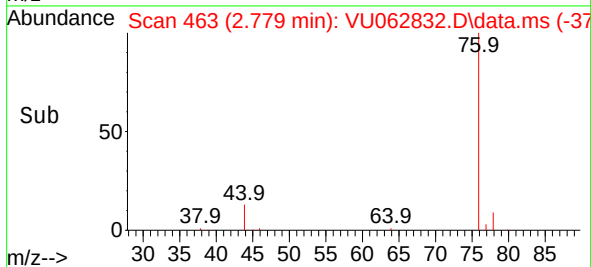
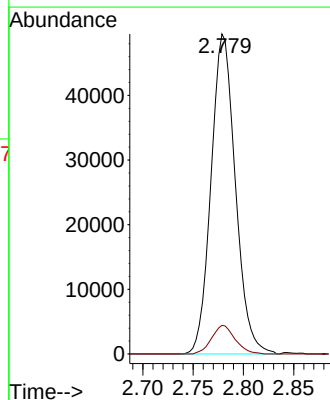
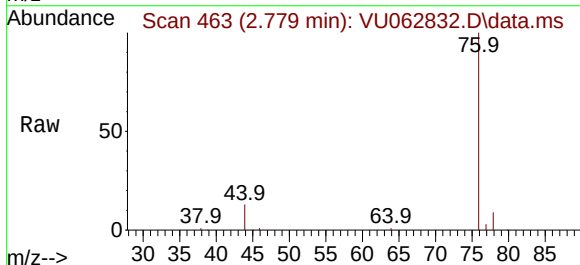
Acq: 16 Jan 2025 20:13

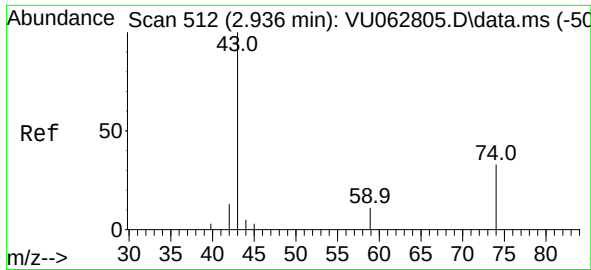
Tgt Ion: 76 Resp: 83393

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6





#15

Methyl Acetate

Concen: 5.049 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

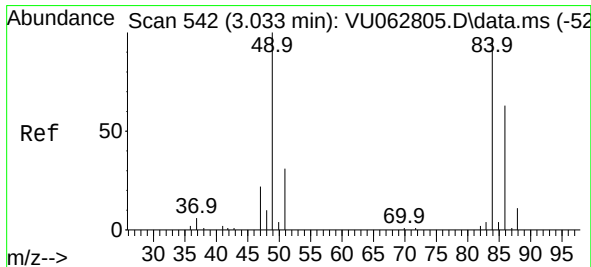
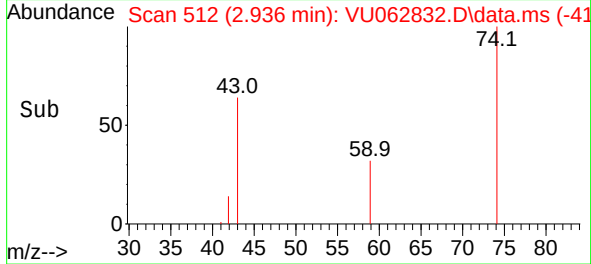
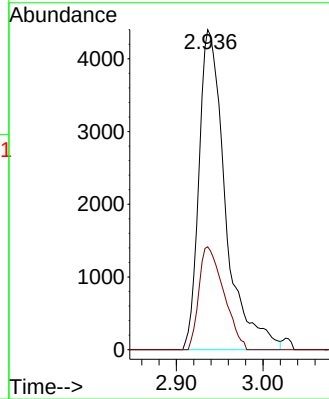
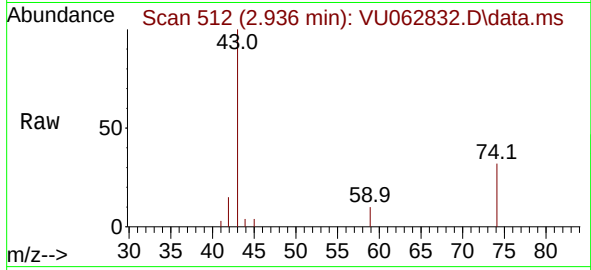
ClientSampleId :

Tgt Ion: 43 Resp: 9344

Ion Ratio Lower Upper

43 100

74 30.1 24.4 36.6



#16

Methylene chloride

Concen: 5.005 ug/L

RT: 3.029 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

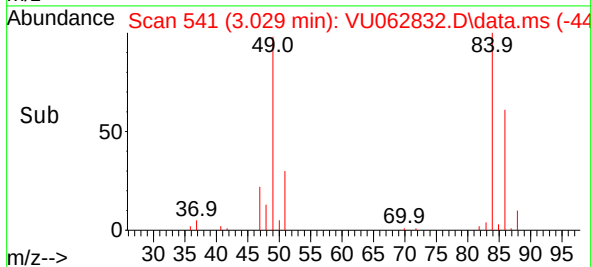
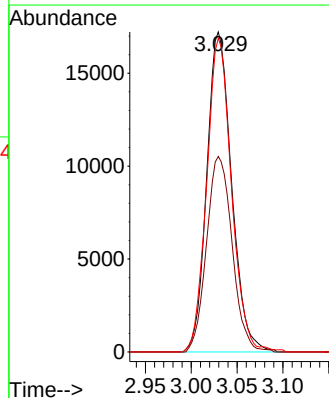
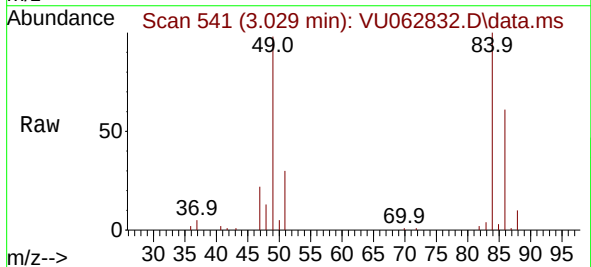
Tgt Ion: 84 Resp: 32443

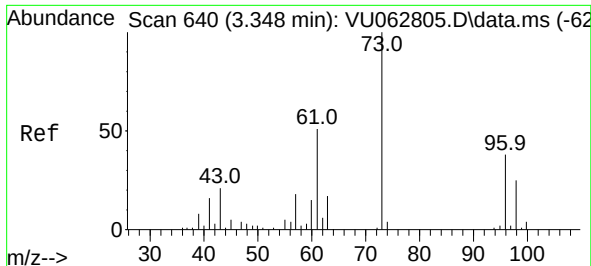
Ion Ratio Lower Upper

84 100

86 61.1 44.7 83.1

49 98.0 68.3 126.9

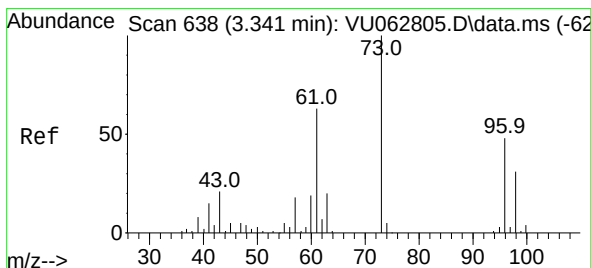
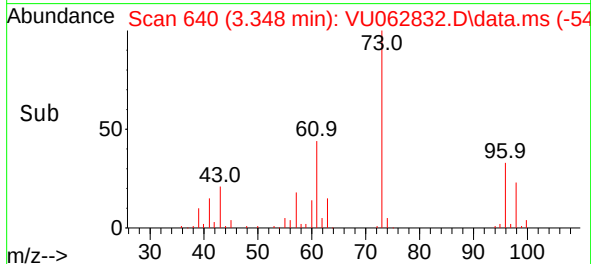
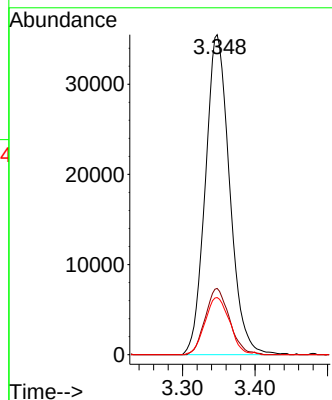
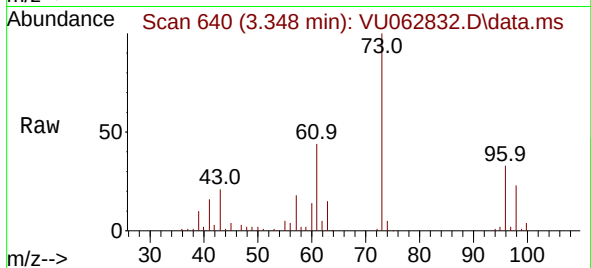




#17
Methyl tert-butyl Ether
Concen: 5.076 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

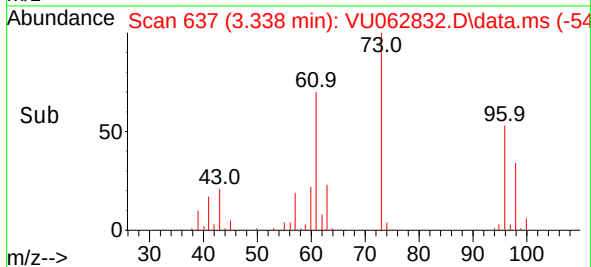
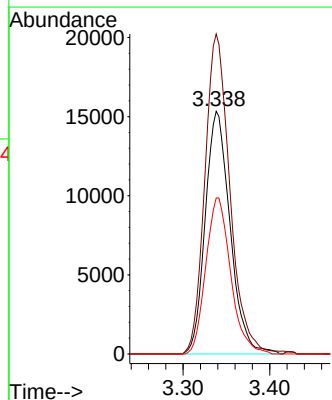
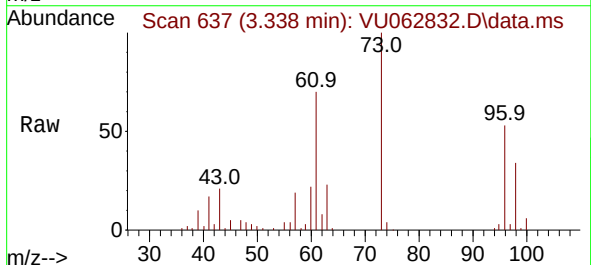
Instrument :
MSVOA_U
ClientSampleId :

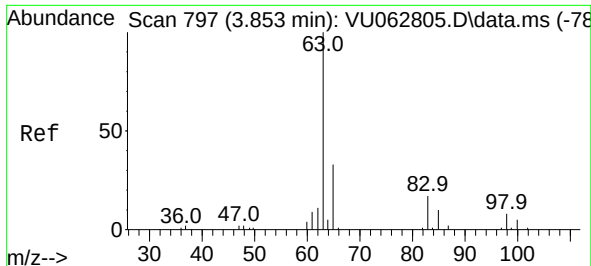
Tgt Ion: 73	Resp: 82562
Ion Ratio	Lower Upper
73	100
43	20.7 16.2 24.4
57	18.3 14.6 22.0



#18
trans-1,2-Dichloroethene
Concen: 4.834 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion: 96	Resp: 30647
Ion Ratio	Lower Upper
96	100
61	131.9 94.4 175.2
98	64.3 42.8 79.4

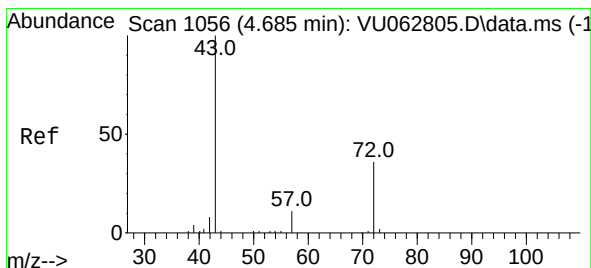
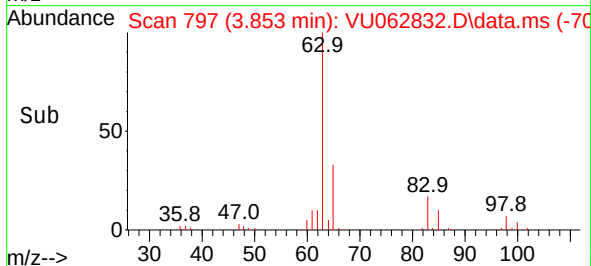
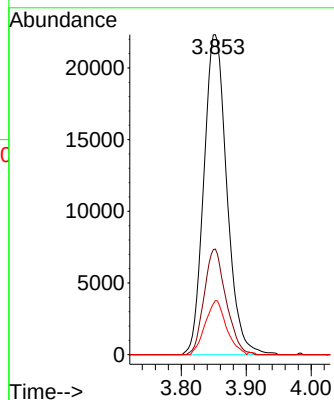
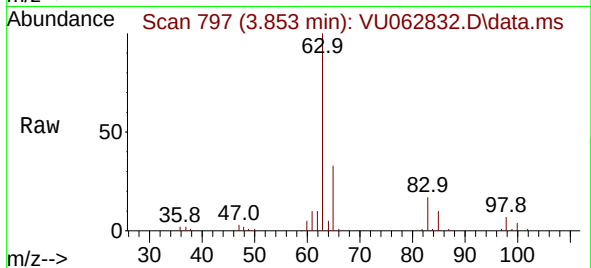




#19
1,1-Dichloroethane
Concen: 4.857 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

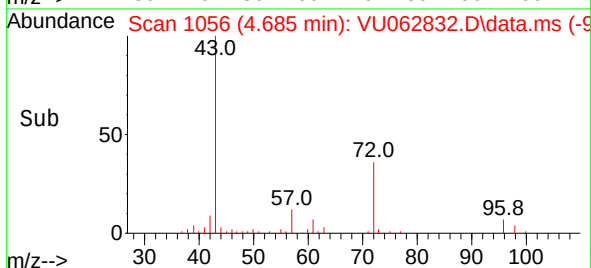
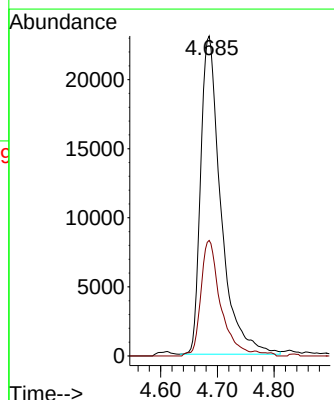
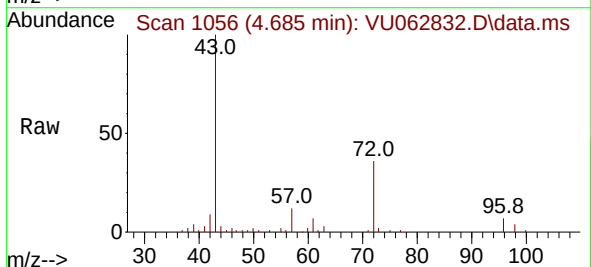
Instrument :
MSVOA_U
ClientSampleId :

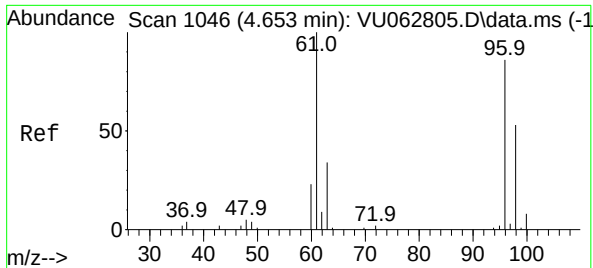
Tgt Ion: 63 Resp: 55057
Ion Ratio Lower Upper
63 100
65 33.0 20.7 38.5
83 16.9 10.5 19.5



#21
2-Butanone
Concen: 50.108 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

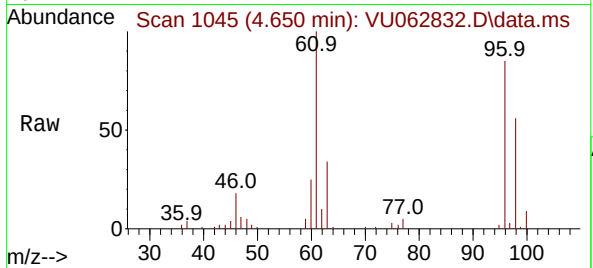
Tgt Ion: 43 Resp: 57043
Ion Ratio Lower Upper
43 100
72 35.1 17.1 51.2



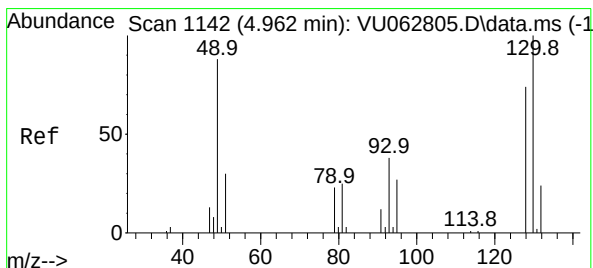
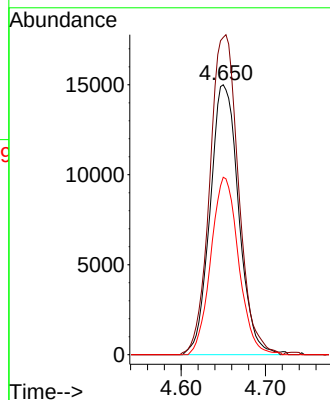
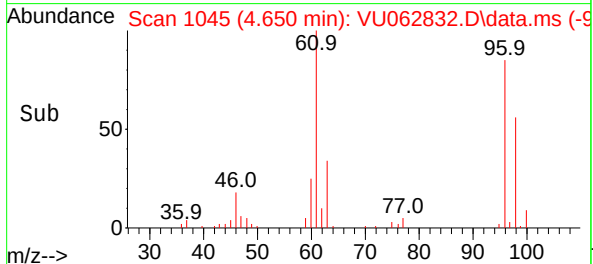


#22
 cis-1,2-Dichloroethene
 Concen: 5.116 ug/L
 RT: 4.650 min Scan# 1045
 Delta R.T. -0.003 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13

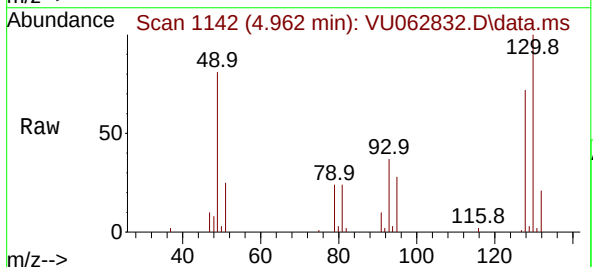
Instrument :
 MSVOA_U
 ClientSampleId :



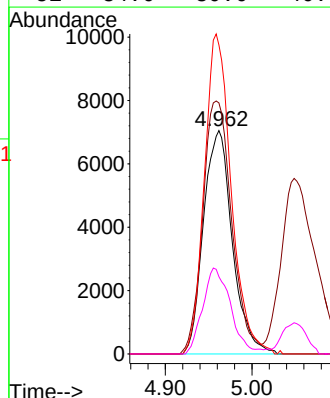
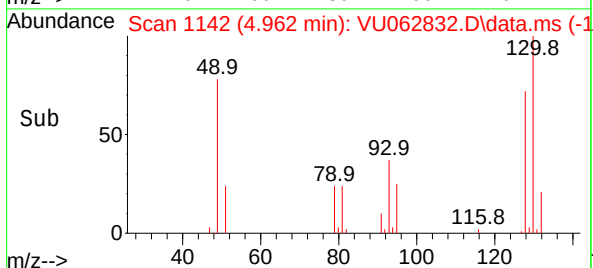
Tgt Ion: 96 Resp: 35319
 Ion Ratio Lower Upper
 96 100
 61 117.5 84.8 157.6
 98 65.7 43.1 80.1

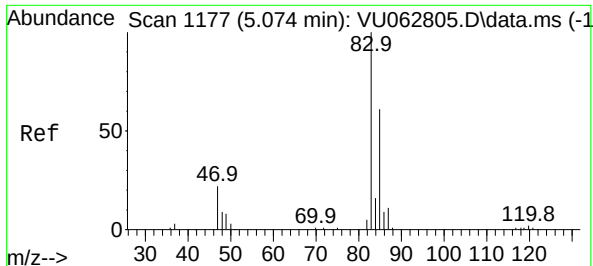


#23
 Bromochloromethane
 Concen: 5.003 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13



Tgt Ion: 128 Resp: 16305
 Ion Ratio Lower Upper
 128 100
 49 112.4 81.1 150.7
 130 138.3 94.9 176.3
 51 34.6 30.6 46.0





#25

Chloroform

Concen: 4.994 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

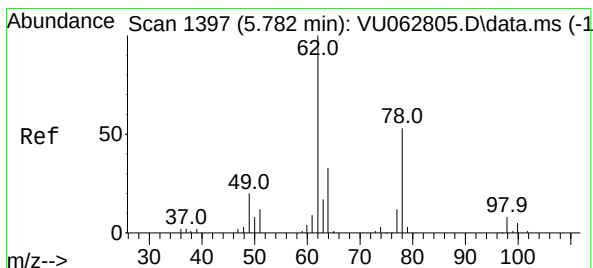
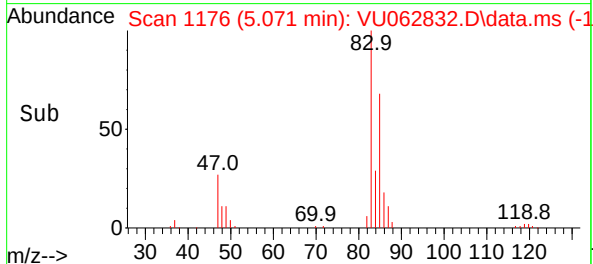
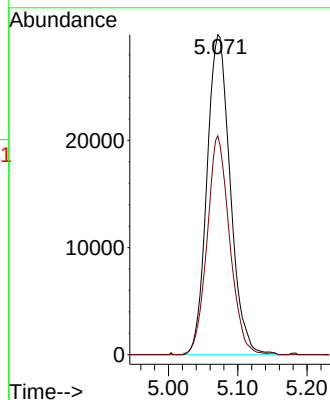
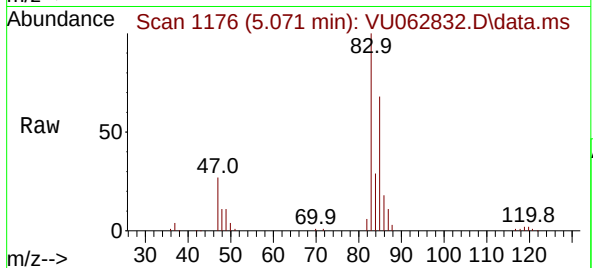
ClientSampleId :

Tgt Ion: 83 Resp: 69667

Ion Ratio Lower Upper

83 100

85 68.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.115 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU062832.D

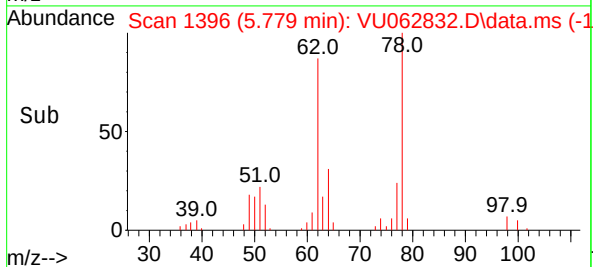
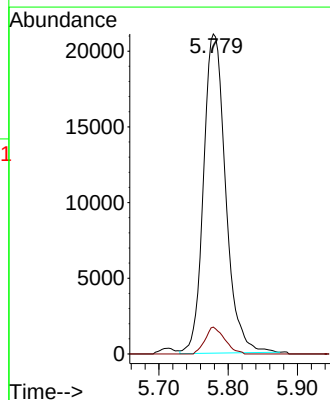
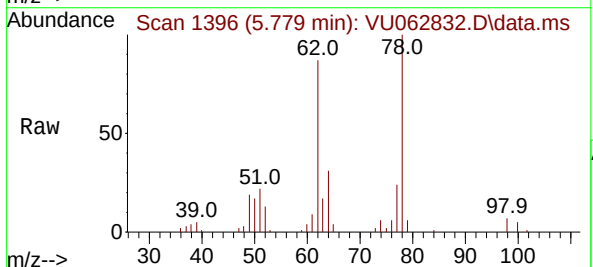
Acq: 16 Jan 2025 20:13

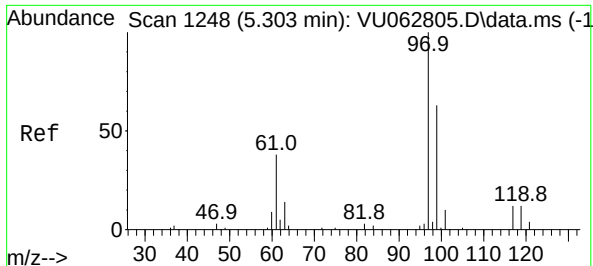
Tgt Ion: 62 Resp: 46660

Ion Ratio Lower Upper

62 100

98 8.4 5.8 8.6

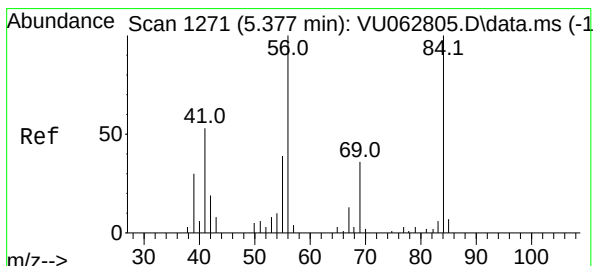
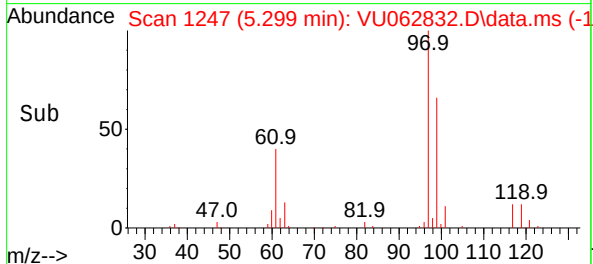
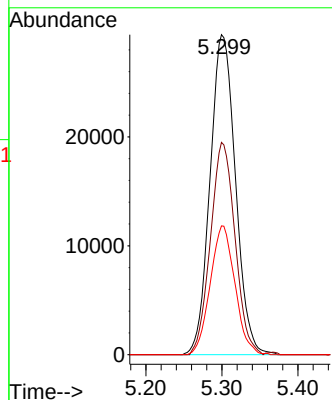
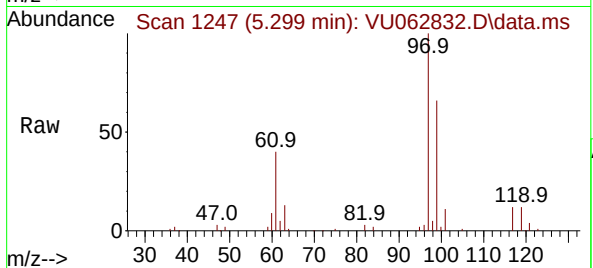




#29
1,1,1-Trichloroethane
Concen: 5.107 ug/L
RT: 5.299 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

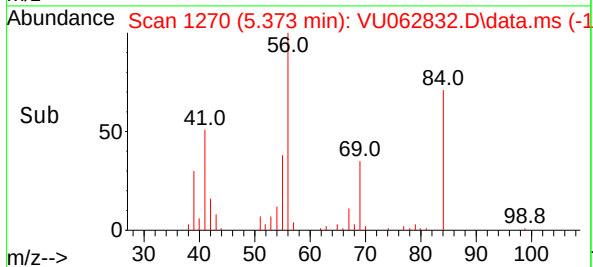
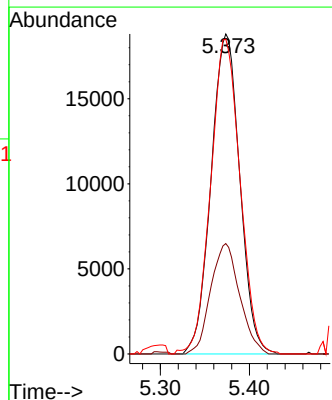
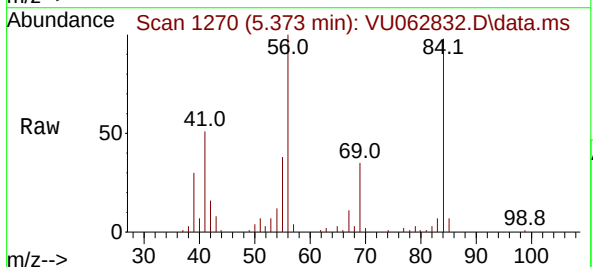
Instrument :
MSVOA_U
ClientSampleId :

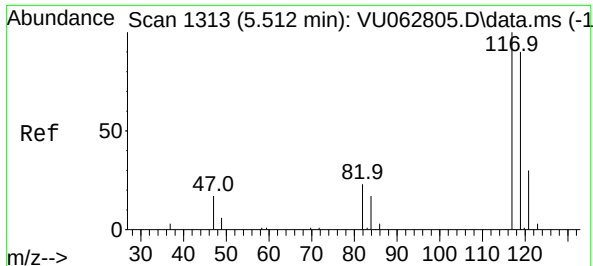
Tgt Ion: 97 Resp: 68301
Ion Ratio Lower Upper
97 100
99 64.0 52.4 78.6
61 39.1 32.2 48.4



#30
Cyclohexane
Concen: 4.817 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion: 56 Resp: 42072
Ion Ratio Lower Upper
56 100
69 34.8 28.3 42.5
84 100.7 76.5 114.7

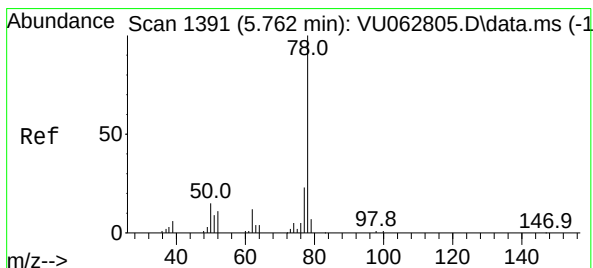
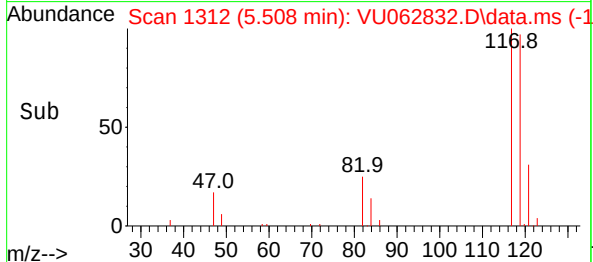
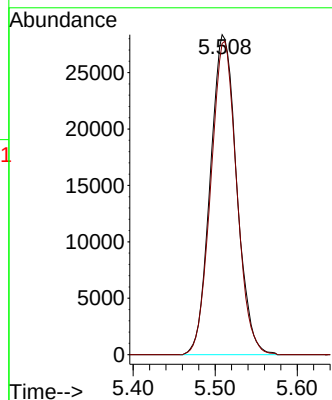
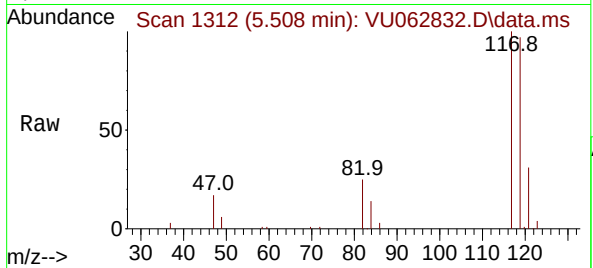




#31
Carbon tetrachloride
Concen: 5.161 ug/L
RT: 5.508 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

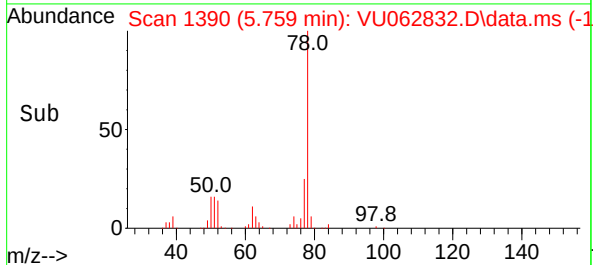
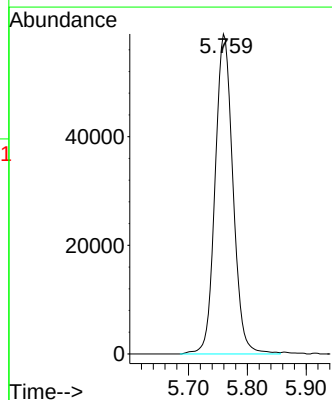
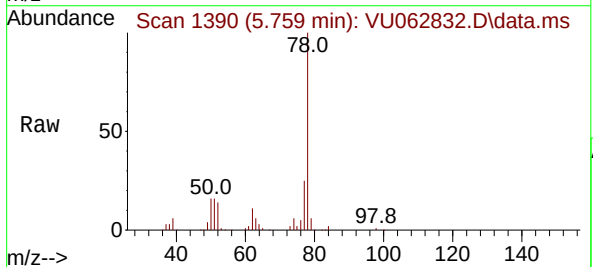
Instrument :
MSVOA_U
ClientSampleId :

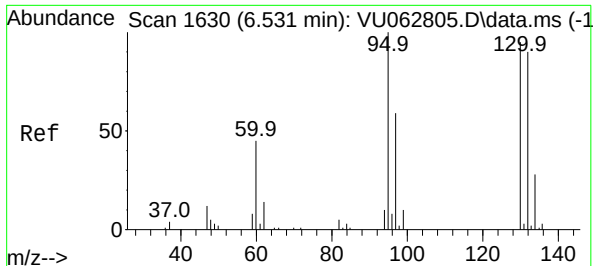
Tgt Ion:117 Resp: 63430
Ion Ratio Lower Upper
117 100
119 96.0 78.6 118.0



#33
Benzene
Concen: 4.906 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion: 78 Resp: 124272





#34

Trichloroethene

Concen: 4.207 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 36405

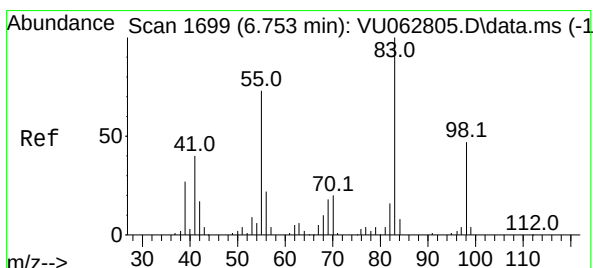
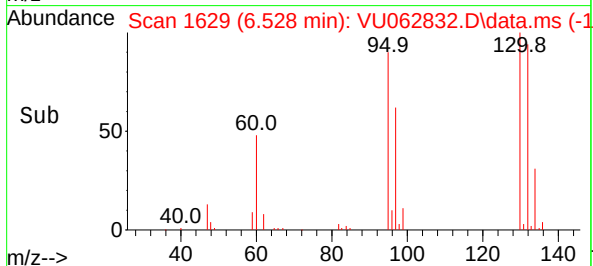
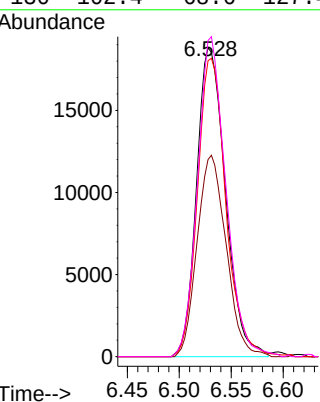
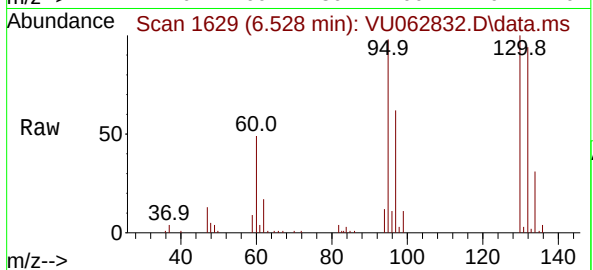
Ion Ratio Lower Upper

95 100

97 63.8 47.5 88.3

132 95.8 66.9 124.3

130 102.4 68.6 127.4



#35

Methylcyclohexane

Concen: 4.684 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

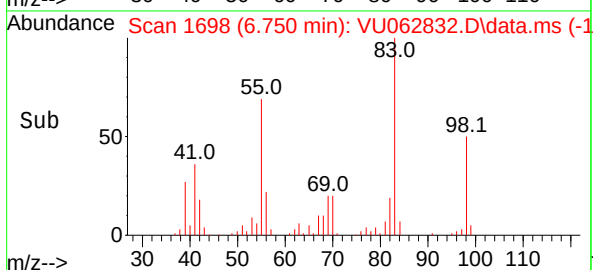
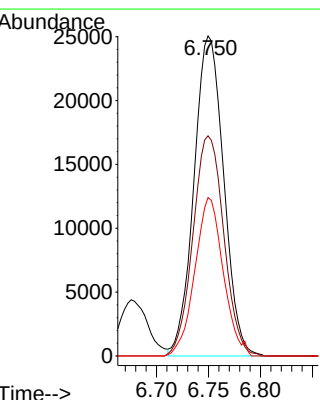
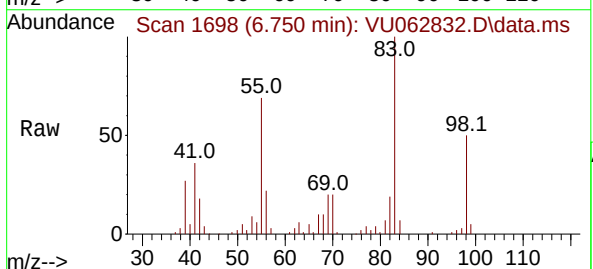
Tgt Ion: 83 Resp: 49869

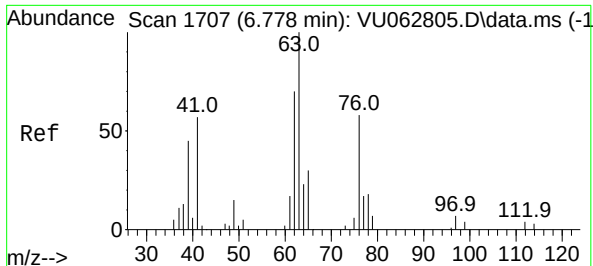
Ion Ratio Lower Upper

83 100

55 71.2 57.2 85.8

98 47.3 36.6 55.0

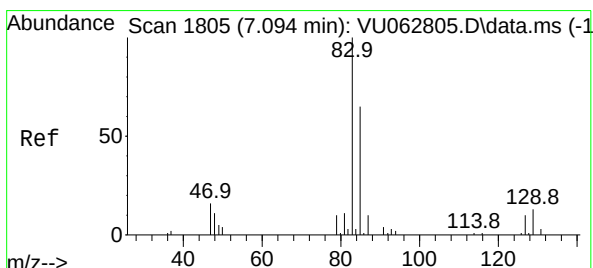
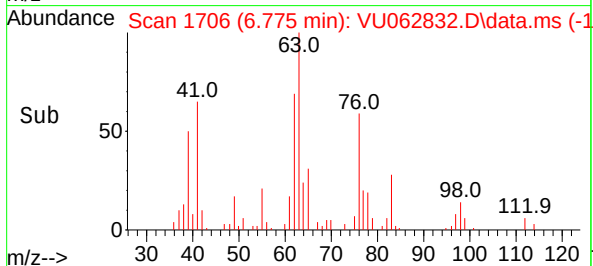
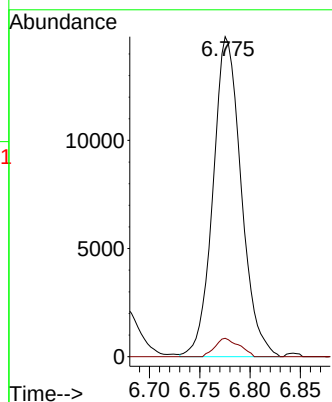
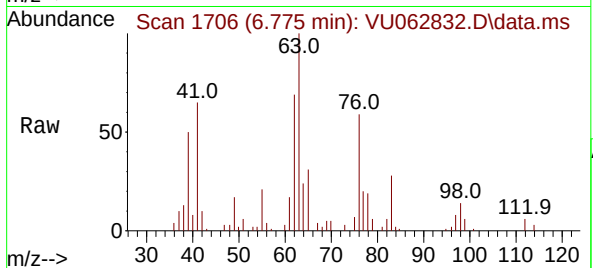




#37
1,2-Dichloropropane
Concen: 4.831 ug/L
RT: 6.775 min Scan# 1706
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

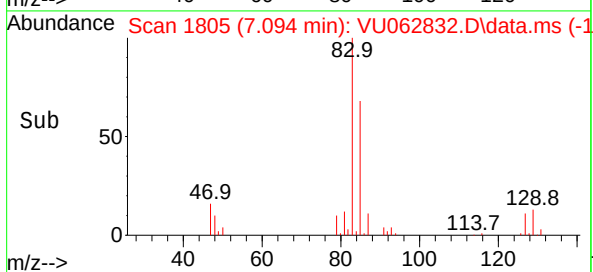
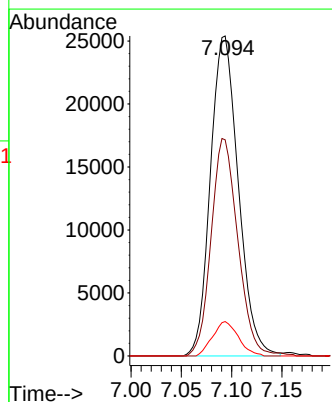
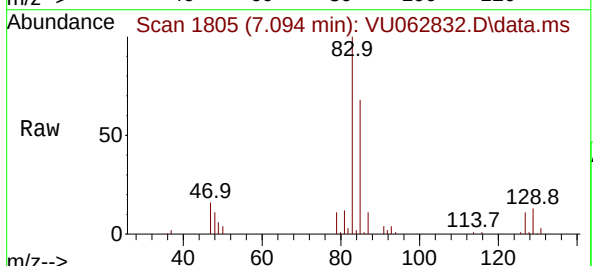
Instrument :
MSVOA_U
ClientSampleId :

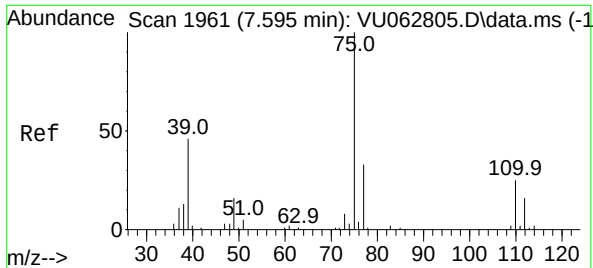
Tgt Ion: 63 Resp: 28870
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.8



#38
Bromodichloromethane
Concen: 5.099 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion: 83 Resp: 48998
Ion Ratio Lower Upper
83 100
85 67.6 44.2 82.0
127 10.7 7.8 11.8

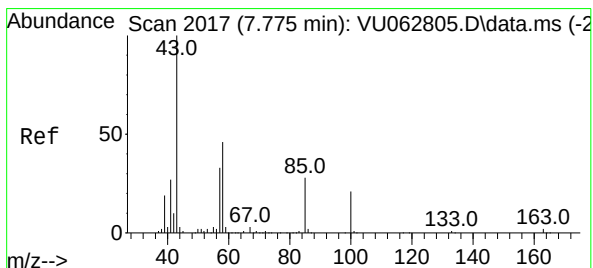
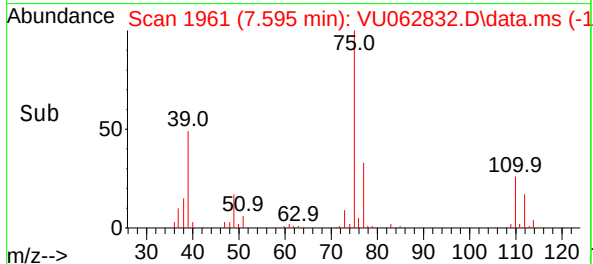
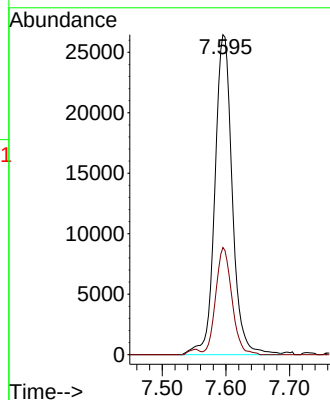
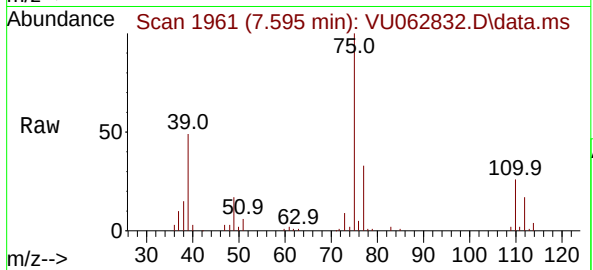




#39
 cis-1,3-Dichloropropene
 Concen: 4.943 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13

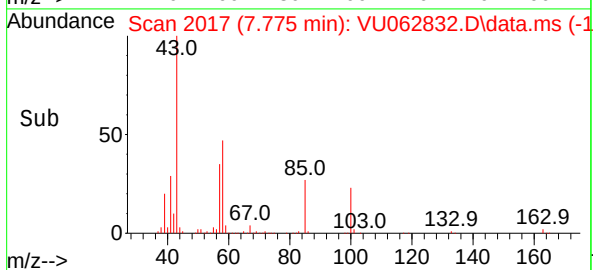
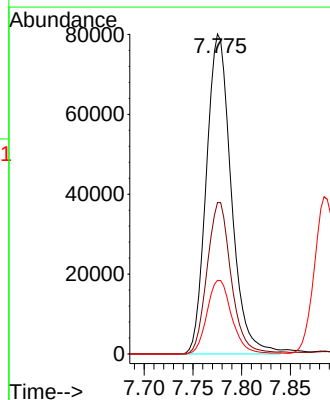
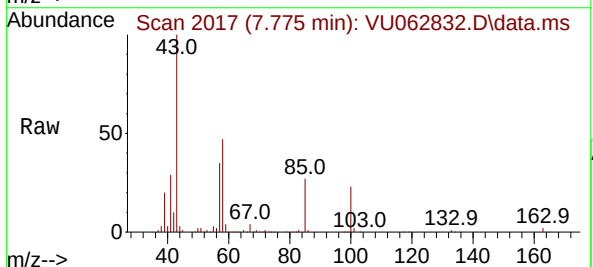
Instrument :
 MSVOA_U
 ClientSampleId :

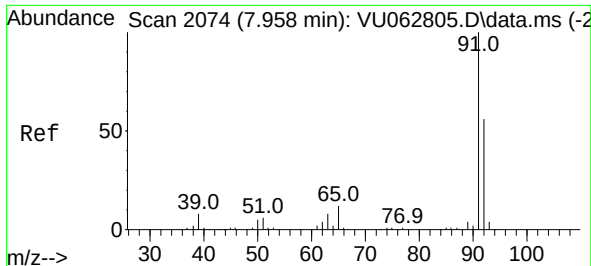
Tgt Ion: 75 Resp: 50289
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.027 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU062832.D
 Acq: 16 Jan 2025 20:13

Tgt Ion: 43 Resp: 142436
 Ion Ratio Lower Upper
 43 100
 58 45.8 35.8 53.8
 100 22.9 16.8 25.2





#42

Toluene

Concen: 5.076 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

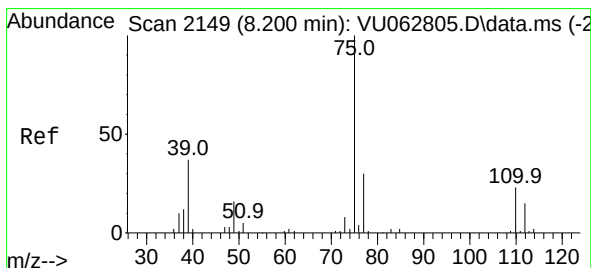
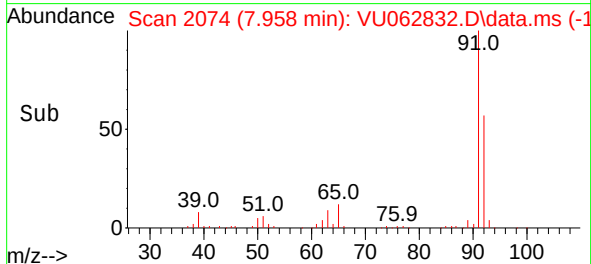
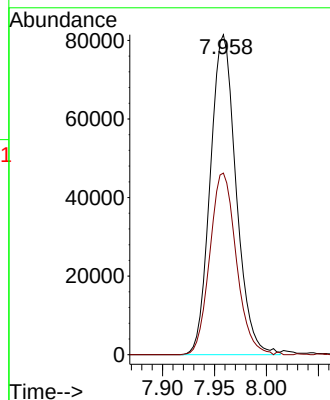
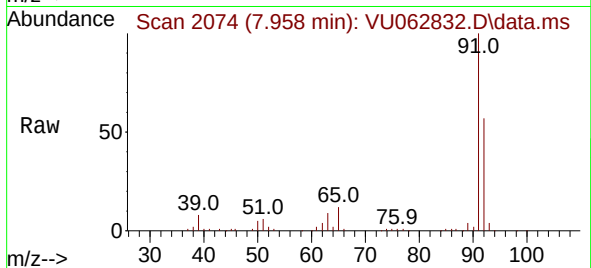
ClientSampleId :

Tgt Ion: 91 Resp: 140901

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.249 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU062832.D

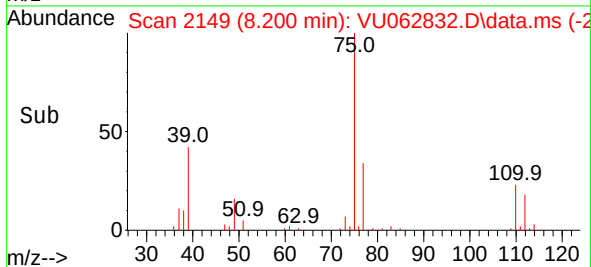
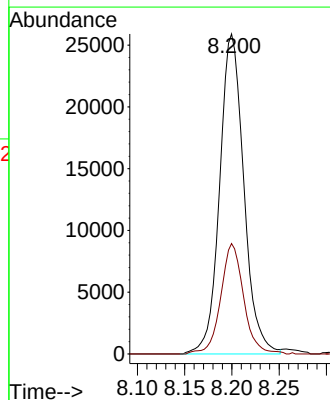
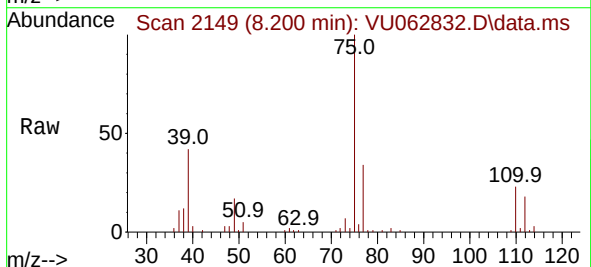
Acq: 16 Jan 2025 20:13

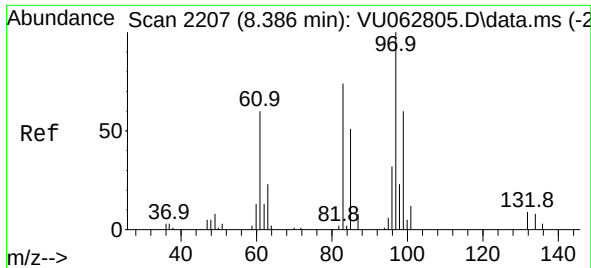
Tgt Ion: 75 Resp: 46036

Ion Ratio Lower Upper

75 100

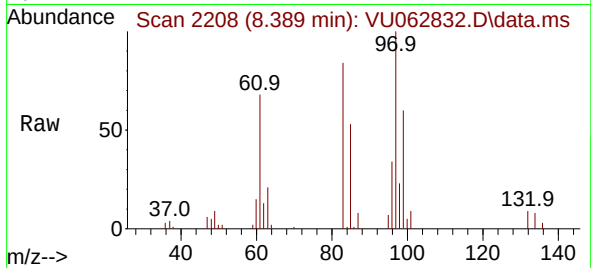
77 34.5 21.8 40.6



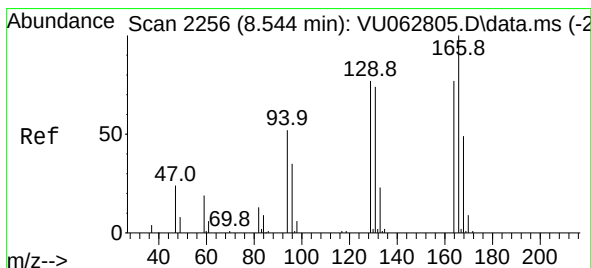
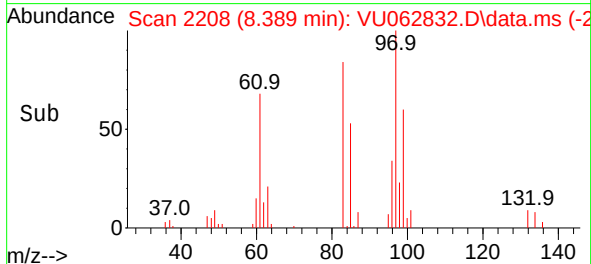
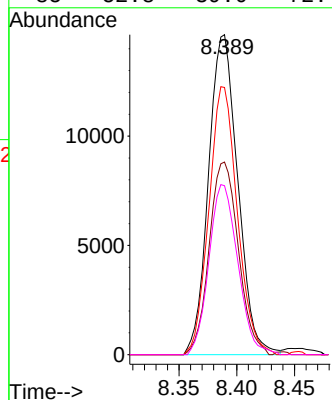


#45
1,1,2-Trichloroethane
Concen: 5.320 ug/L
RT: 8.389 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Instrument :
MSVOA_U
ClientSampleId :

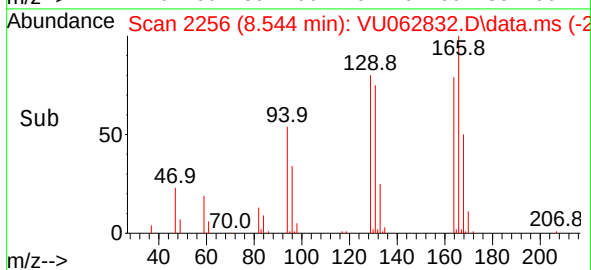
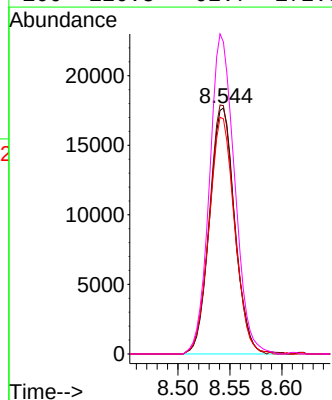
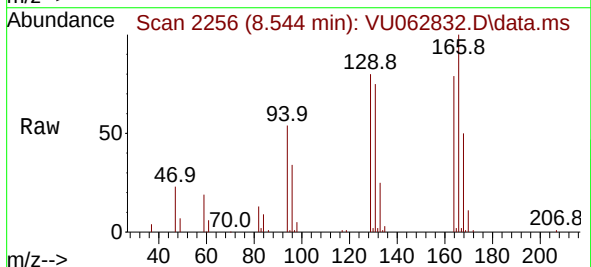


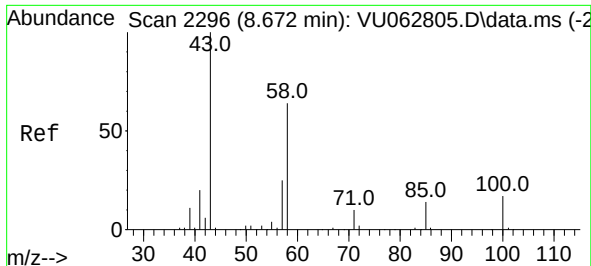
Tgt Ion:	97	Resp:	25817
Ion	Ratio	Lower	Upper
97	100		
99	60.2	45.6	84.6
83	83.5	63.0	117.0
85	52.8	39.0	72.4



#47
Tetrachloroethene
Concen: 4.990 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

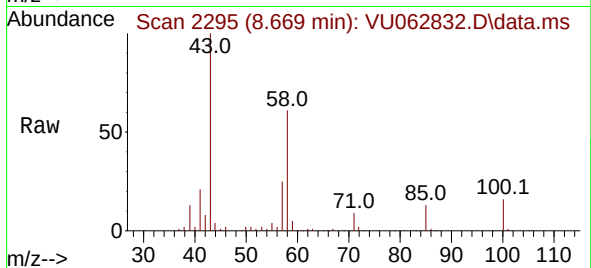
Tgt Ion:	164	Resp:	29742
Ion	Ratio	Lower	Upper
164	100		
129	101.0	71.0	131.9
131	95.6	69.4	129.0
166	126.8	92.7	172.3



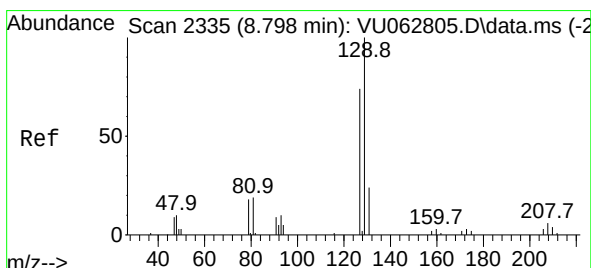
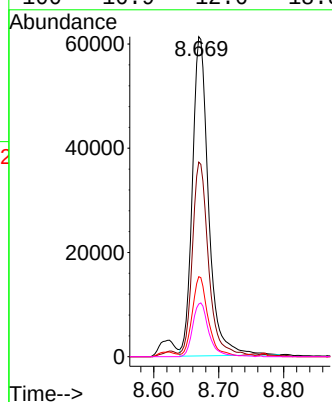
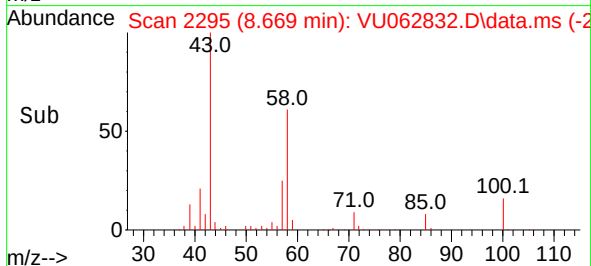


#48
2-Hexanone
Concen: 52.929 ug/L
RT: 8.669 min Scan# 2296
Delta R.T. -0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Instrument :
MSVOA_U
ClientSampleId :

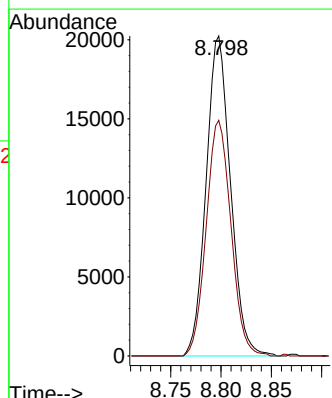
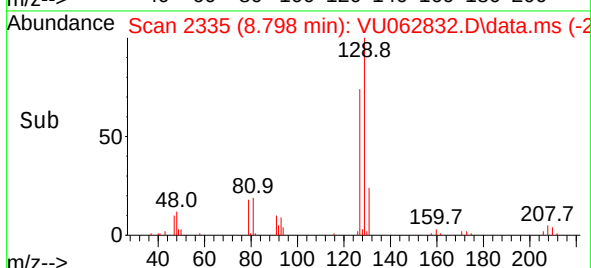
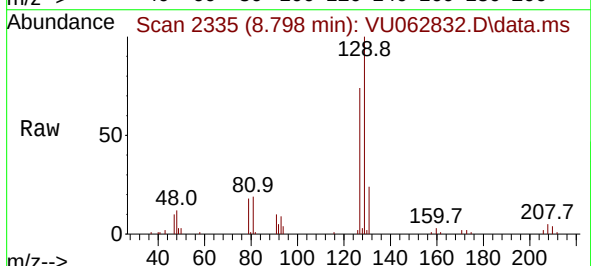


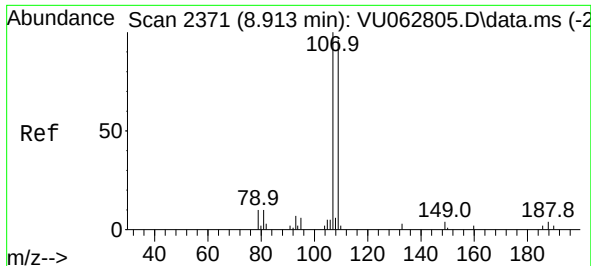
Tgt Ion: 43 Resp: 106217
Ion Ratio Lower Upper
43 100
58 59.7 50.2 75.4
57 23.9 19.9 29.9
100 16.9 12.6 18.8



#49
Dibromochloromethane
Concen: 5.234 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion: 129 Resp: 34104
Ion Ratio Lower Upper
129 100
127 73.6 52.1 96.9





#50

1,2-Dibromoethane

Concen: 5.339 ug/L

RT: 8.913 min Scan# 24

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

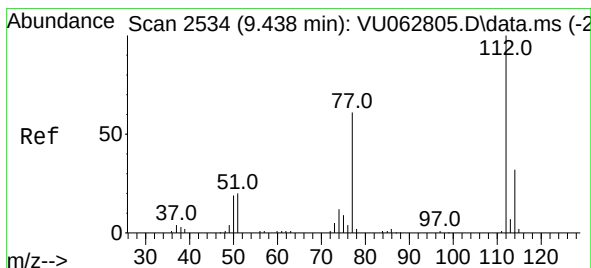
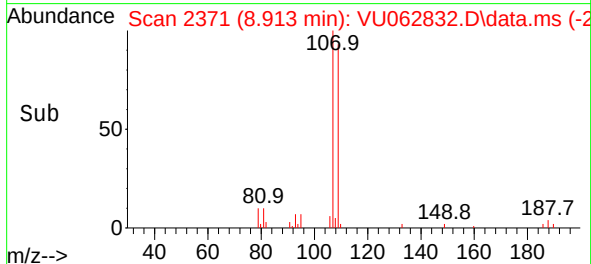
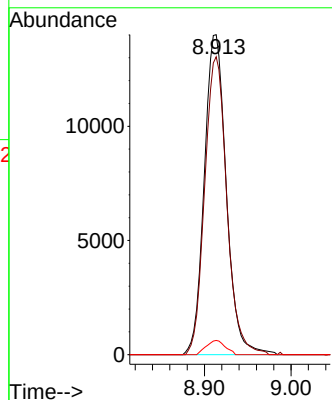
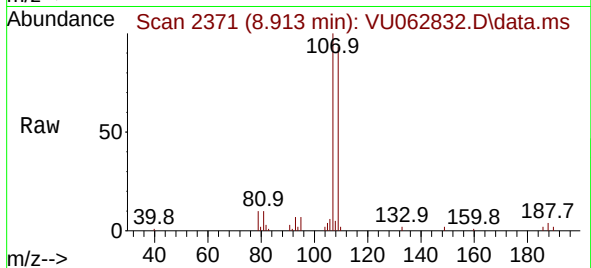
Tgt Ion:107 Resp: 24790

Ion Ratio Lower Upper

107 100

109 93.1 65.7 121.9

188 4.5 3.4 5.2



#51

Chlorobenzene

Concen: 5.171 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

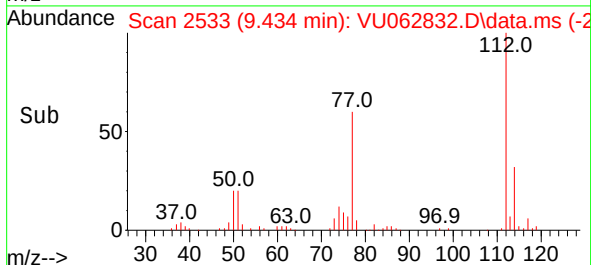
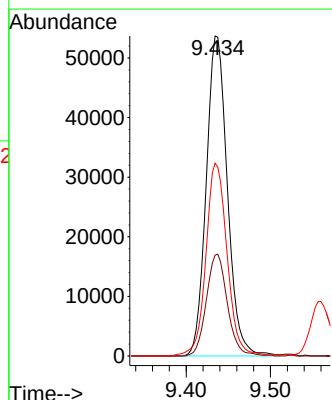
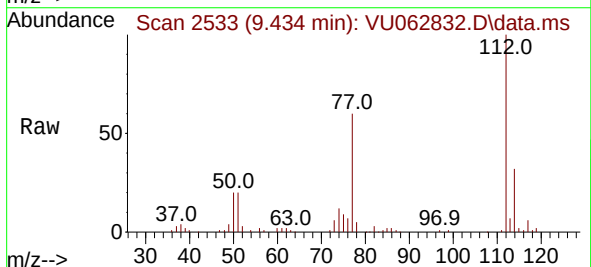
Tgt Ion:112 Resp: 93864

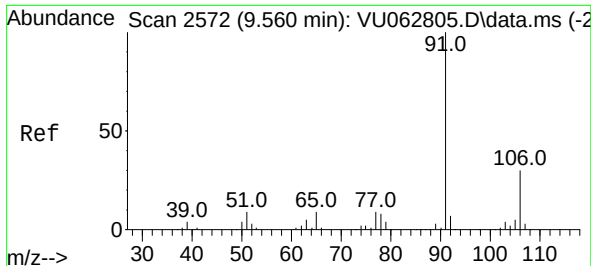
Ion Ratio Lower Upper

112 100

114 31.5 21.7 40.3

77 60.2 48.6 73.0





#52

Ethylbenzene

Concen: 5.124 ug/L

RT: 9.560 min Scan# 2572

Delta R.T. -0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

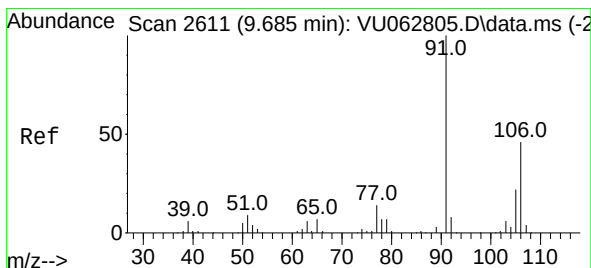
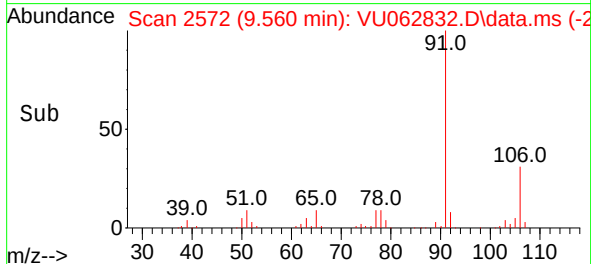
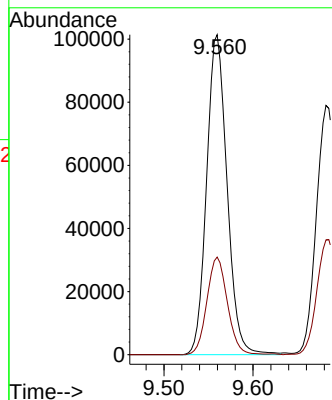
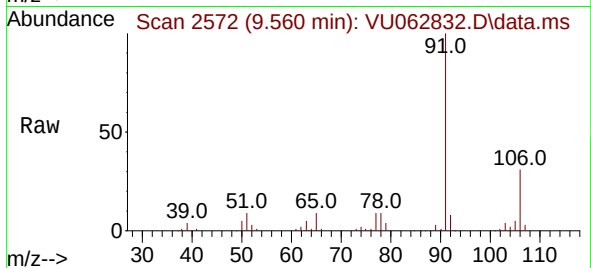
ClientSampleId :

Tgt Ion: 91 Resp: 161397

Ion Ratio Lower Upper

91 100

106 30.5 21.9 40.7



#53

m,p-Xylene

Concen: 5.211 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU062832.D

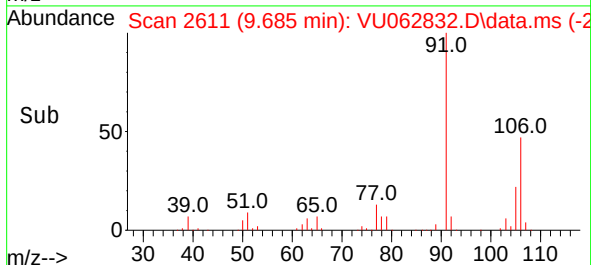
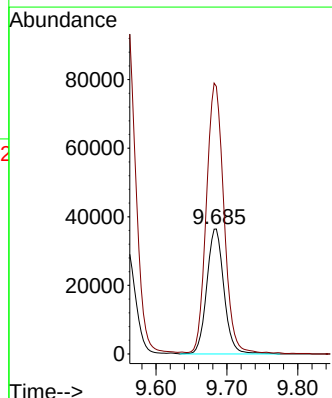
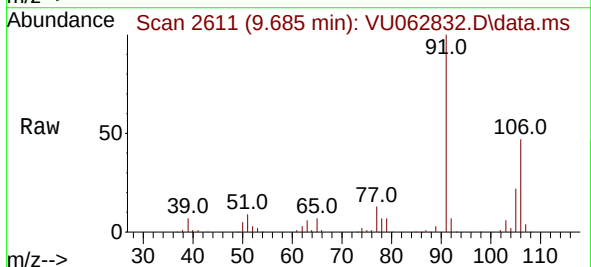
Acq: 16 Jan 2025 20:13

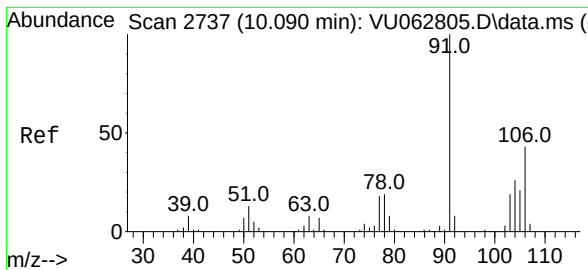
Tgt Ion:106 Resp: 61393

Ion Ratio Lower Upper

106 100

91 214.1 153.1 284.3

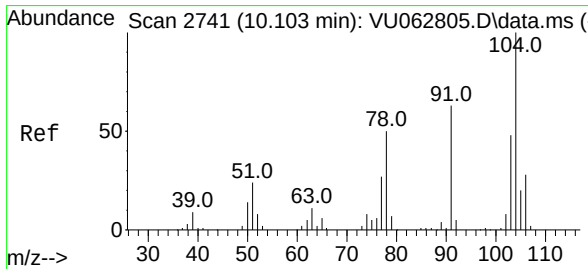
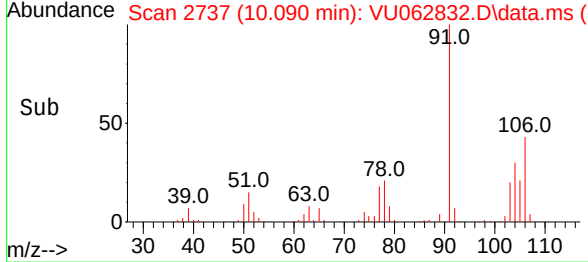
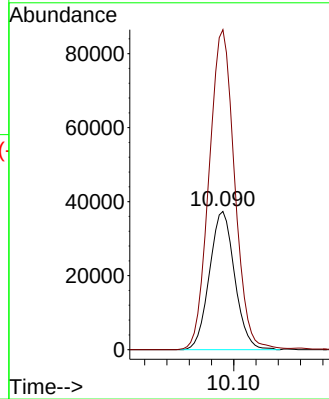
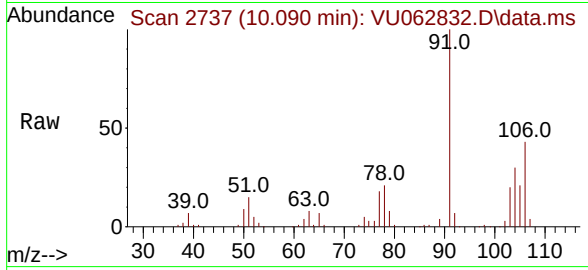




#54
o-Xylene
Concen: 5.201 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

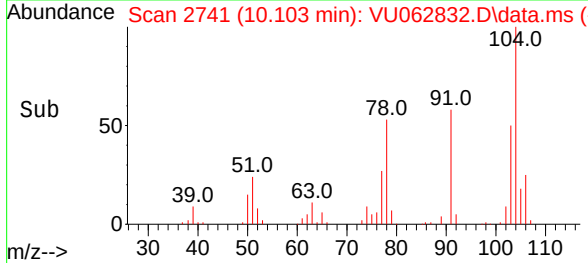
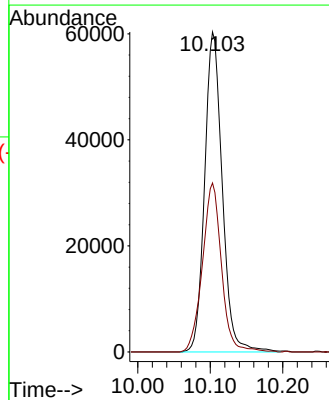
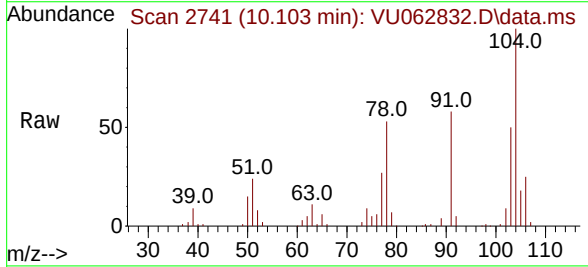
Instrument :
MSVOA_U
ClientSampleId :

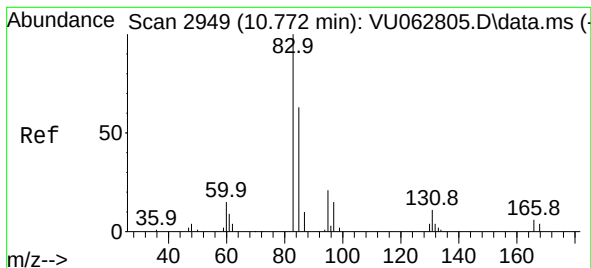
Tgt Ion:106 Resp: 58689
Ion Ratio Lower Upper
106 100
91 231.3 160.4 297.8



#55
Styrene
Concen: 5.404 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion:104 Resp: 102009
Ion Ratio Lower Upper
104 100
78 52.8 35.5 65.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.345 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

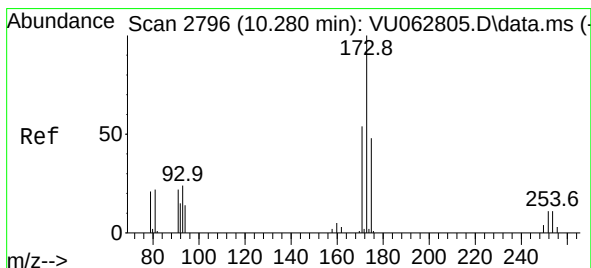
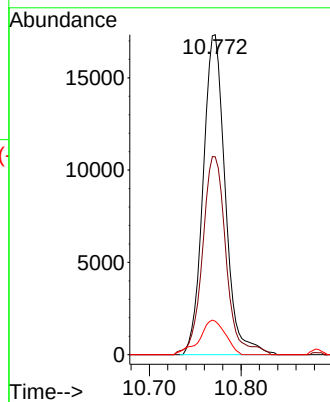
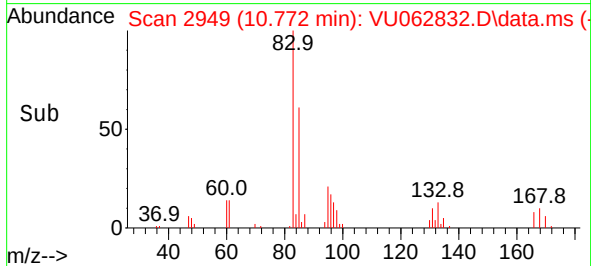
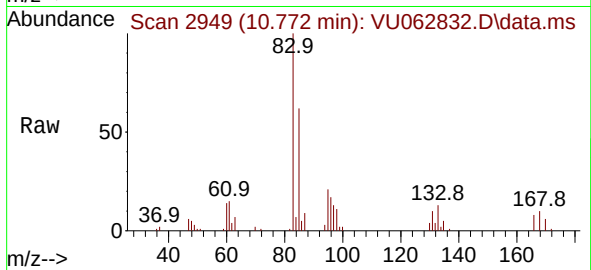
Tgt Ion: 83 Resp: 29099

Ion Ratio Lower Upper

83 100

85 61.9 43.0 79.8

131 10.5 7.4 11.0



#59

Bromoform

Concen: 5.127 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

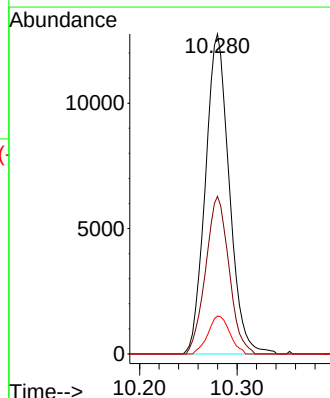
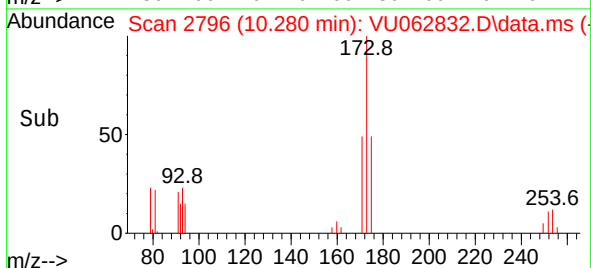
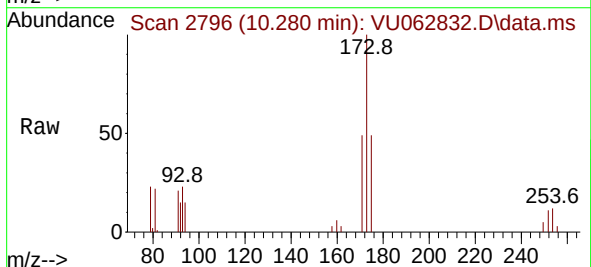
Tgt Ion:173 Resp: 21687

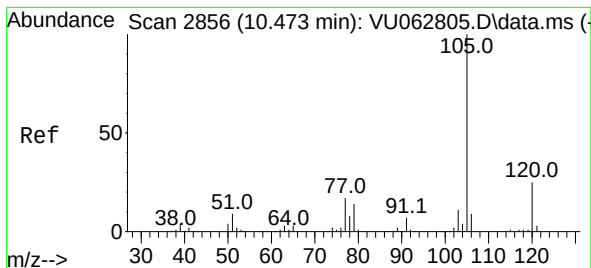
Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

254 10.8 8.6 12.8





#60

Isopropylbenzene

Concen: 5.007 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

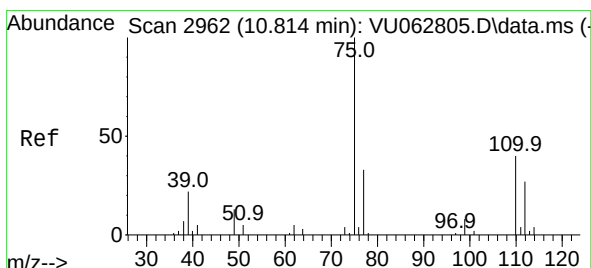
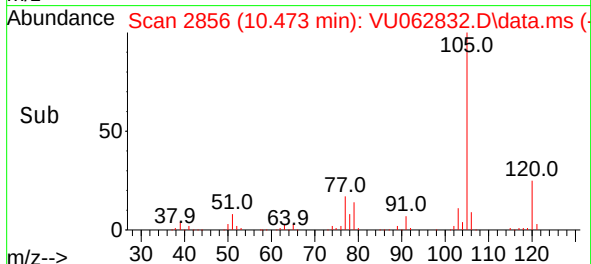
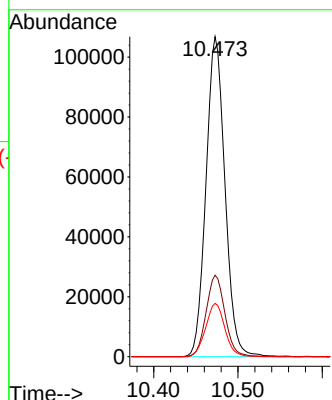
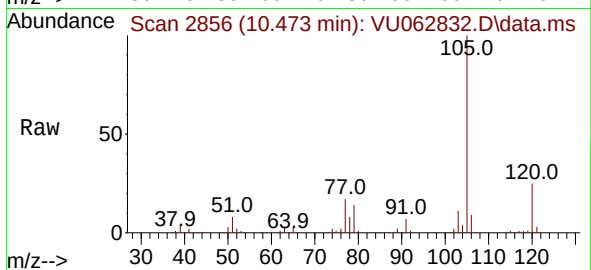
Tgt Ion:105 Resp: 167312

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

77 16.9 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.999 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

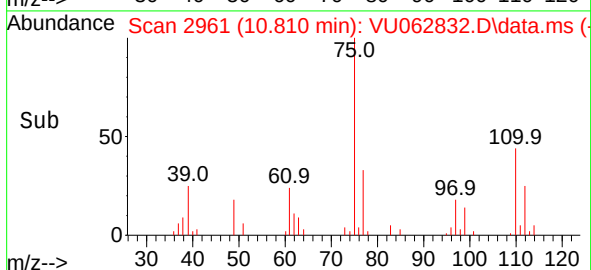
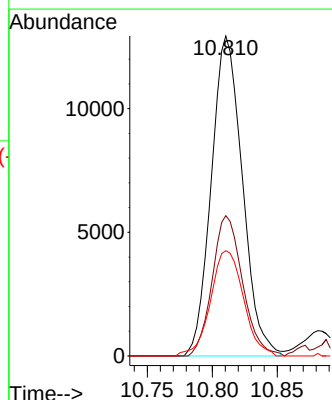
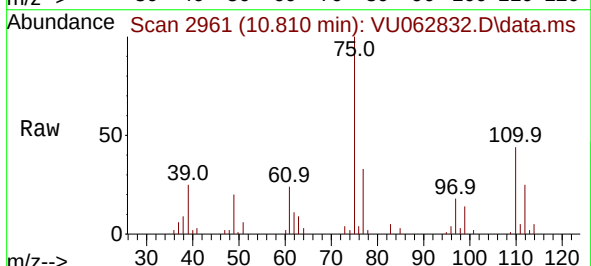
Tgt Ion: 75 Resp: 21502

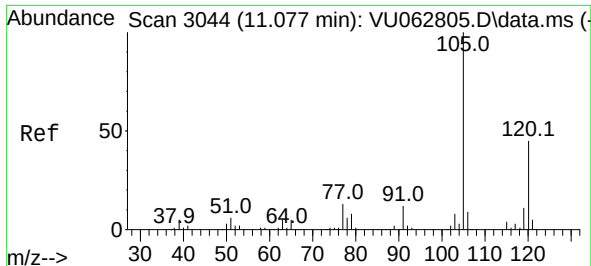
Ion Ratio Lower Upper

75 100

110 42.7 33.2 49.8

77 34.7 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.149 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

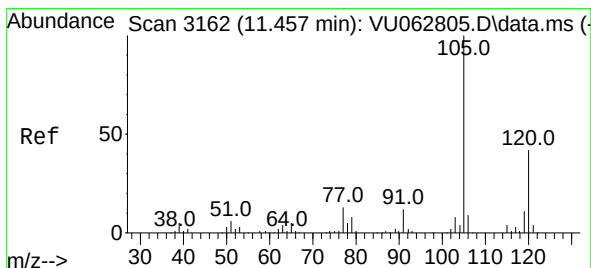
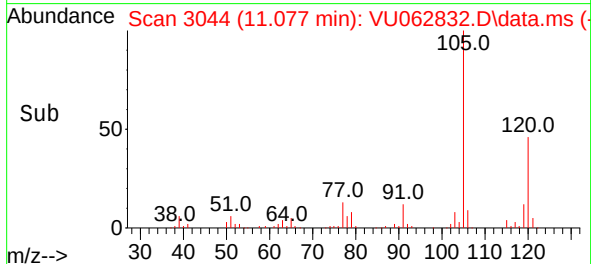
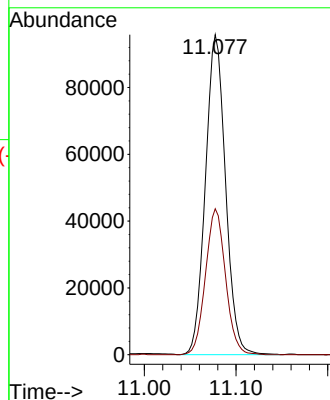
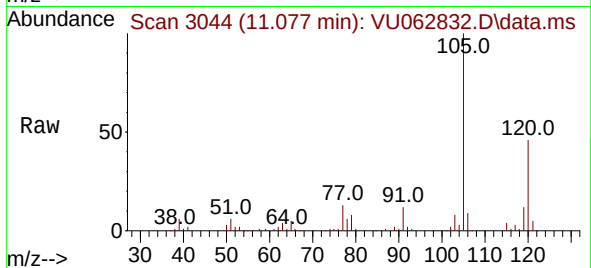
ClientSampleId :

Tgt Ion:105 Resp: 146250

Ion Ratio Lower Upper

105 100

120 45.4 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 5.199 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU062832.D

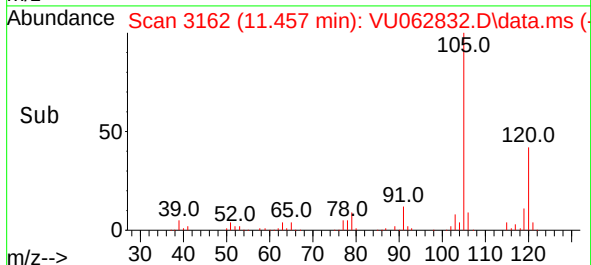
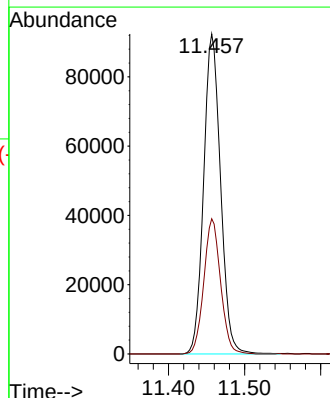
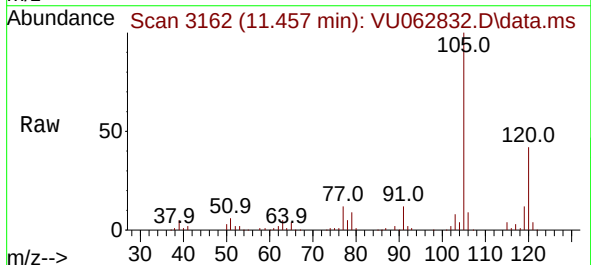
Acq: 16 Jan 2025 20:13

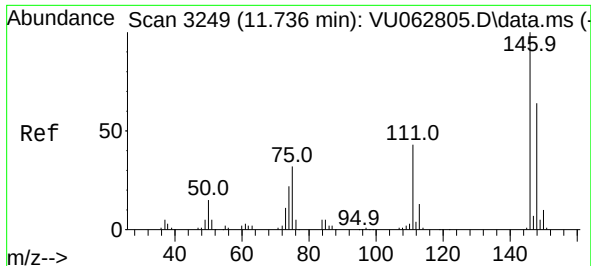
Tgt Ion:105 Resp: 142835

Ion Ratio Lower Upper

105 100

120 41.8 34.2 51.2

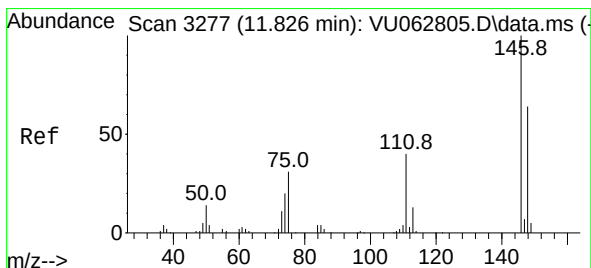
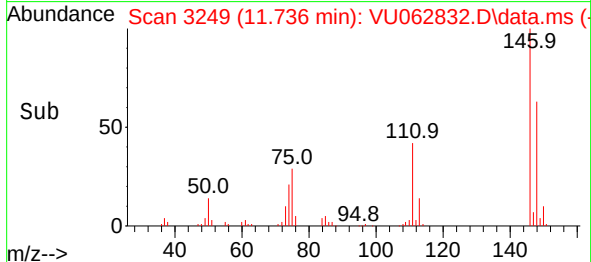
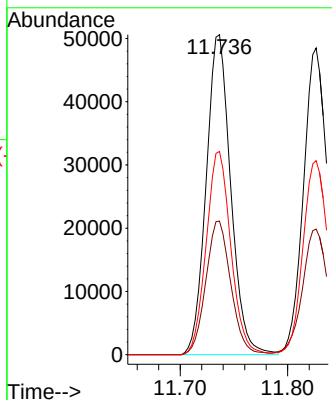
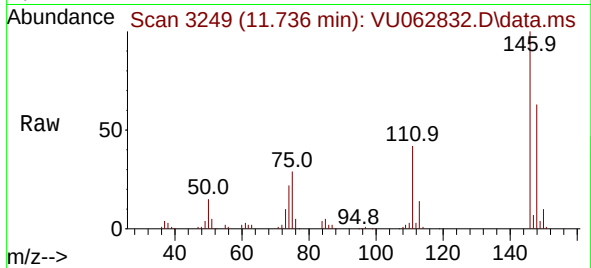




#64
1,3-Dichlorobenzene
Concen: 5.195 ug/L
RT: 11.736 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

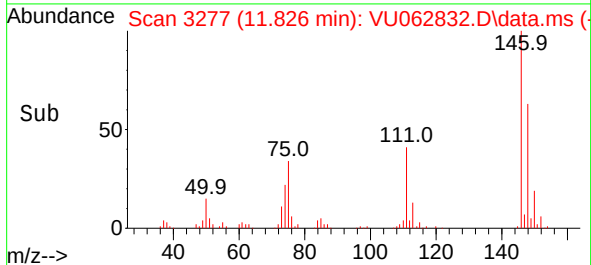
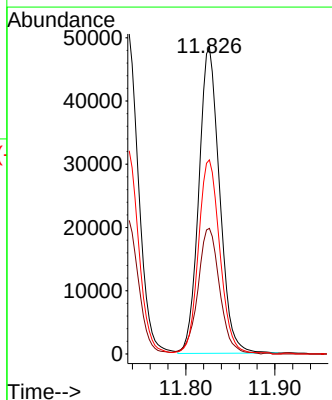
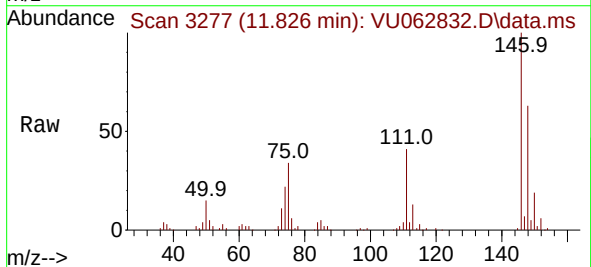
Instrument :
MSVOA_U
ClientSampleId :

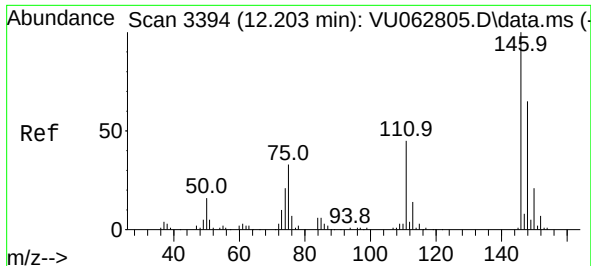
Tgt Ion:146 Resp: 80484
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 63.5 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 5.017 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion:146 Resp: 78368
Ion Ratio Lower Upper
146 100
111 41.0 29.5 54.9
148 63.2 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 5.098 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :

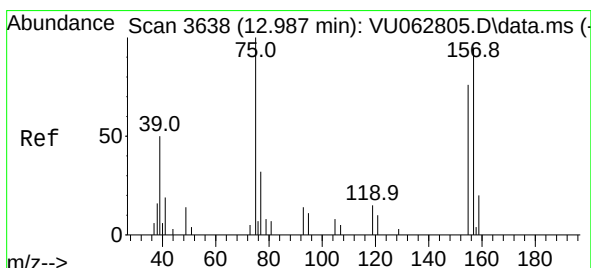
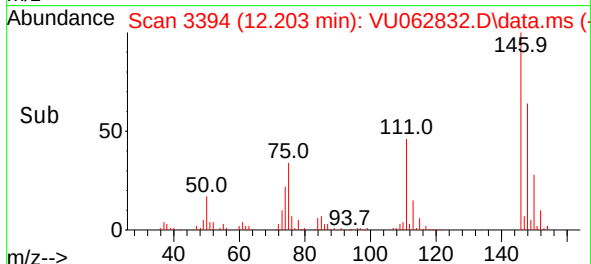
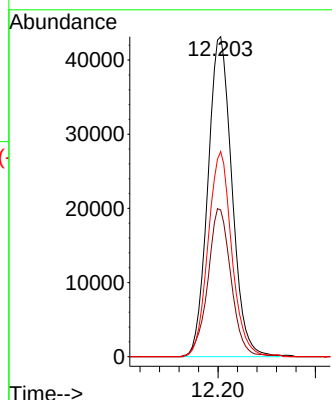
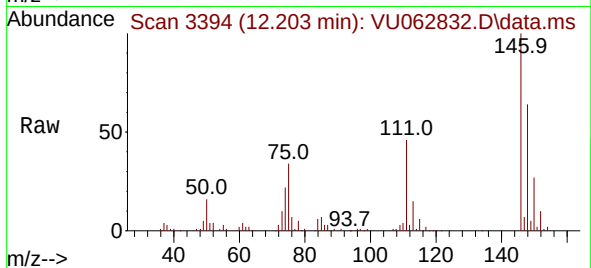
Tgt Ion:146 Resp: 74018

Ion Ratio Lower Upper

146 100

111 45.8 36.3 54.5

148 64.1 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.169 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

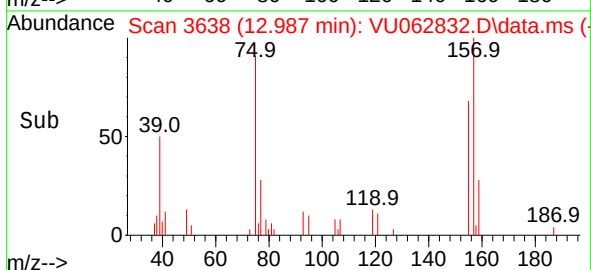
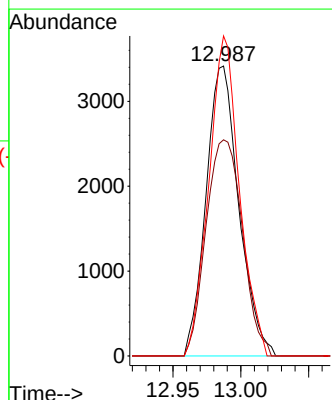
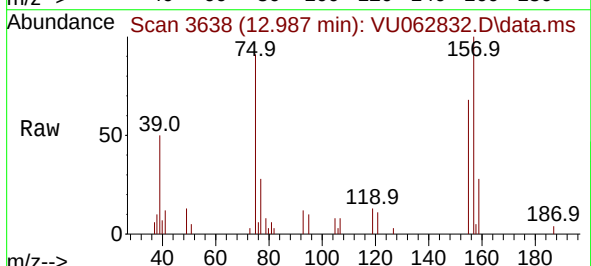
Tgt Ion: 75 Resp: 5759

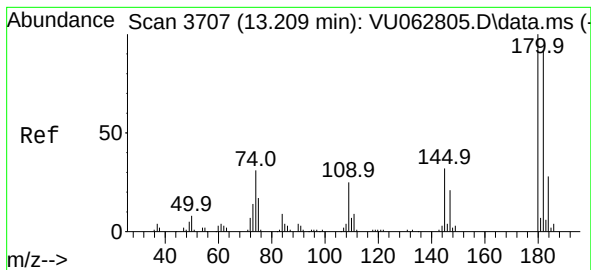
Ion Ratio Lower Upper

75 100

155 74.6 59.6 89.4

157 110.4 70.8 106.2#





#69

1,3,5-Trichlorobenzene

Concen: 4.929 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

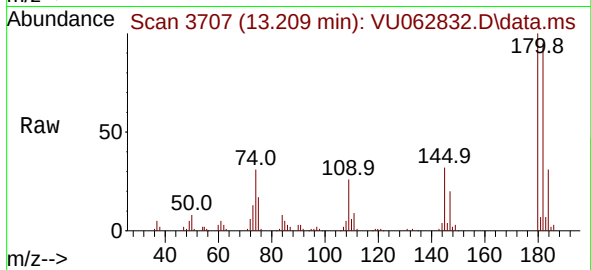
Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 57515

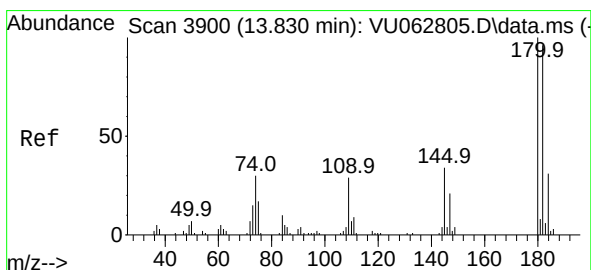
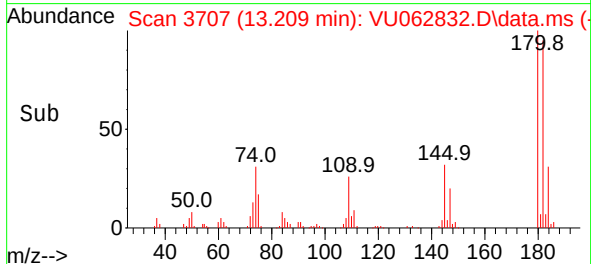
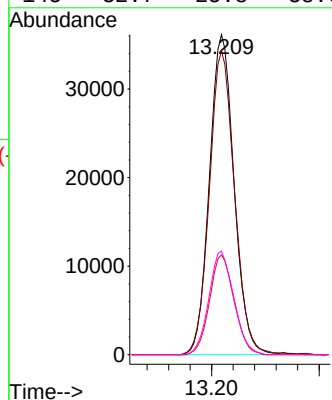
Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.8

184 30.8 24.7 37.1

145 32.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.803 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. 0.000 min

Lab File: VU062832.D

Acq: 16 Jan 2025 20:13

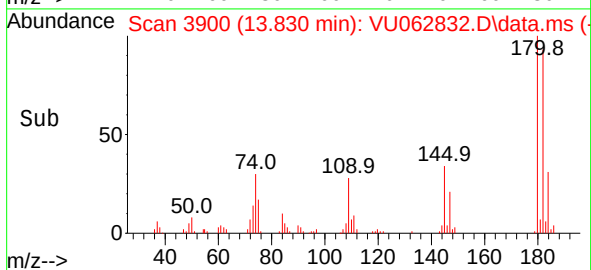
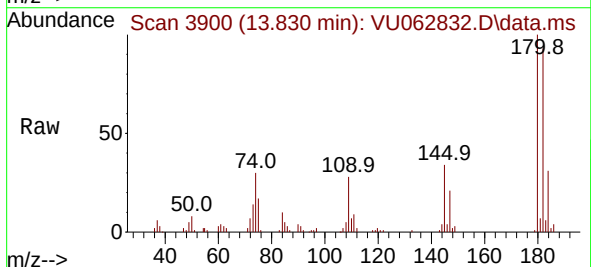
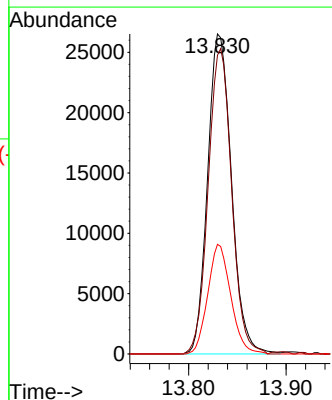
Tgt Ion:180 Resp: 45134

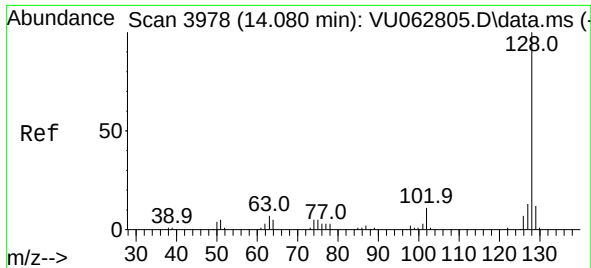
Ion Ratio Lower Upper

180 100

182 93.6 77.1 115.7

145 33.0 26.9 40.3

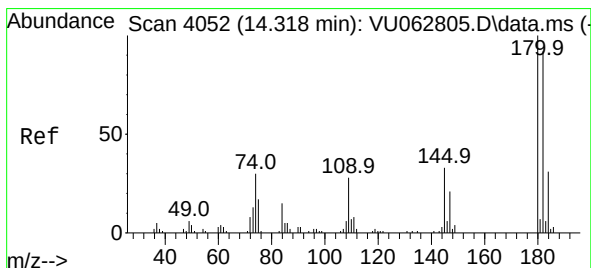
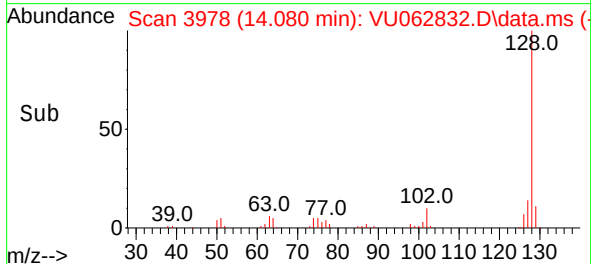
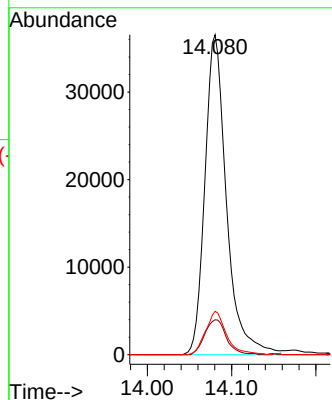
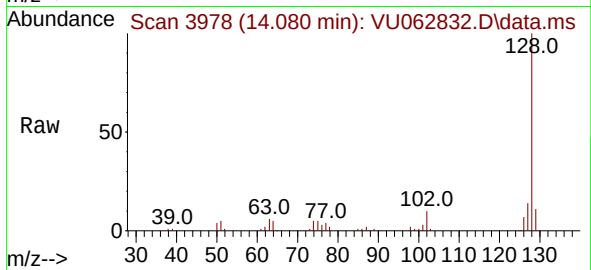




#71
Naphthalene
Concen: 4.736 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 65115
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.1 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.809 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU062832.D
Acq: 16 Jan 2025 20:13

Tgt Ion:180 Resp: 39392
Ion Ratio Lower Upper
180 100
182 95.4 79.8 119.6
145 35.4 29.2 43.8

