

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062830.D
 Acq On : 16 Jan 2025 19:23
 Operator : MD/SY
 Sample : Q1072-04MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

Quant Time: Jan 16 22:09:39 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	6.238	114	95897	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	91312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	47971	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20740	3.905	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.901	69	17301	4.049	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.554	65	10890	3.958	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	4.605	46	49770	45.850	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.700%
24) Chloroform-d	5.049	84	58078	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.689	65	32848	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.714	84	96955	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.679	67	27106	4.380	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.888	98	93376	4.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.171	79	13449	4.360	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.621	63	42091	43.383	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.760%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	23635	4.560	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	36485	4.572	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	43567	4.769	ug/L	98
3) Chloromethane	1.518	50	24718	4.032	ug/L	98
5) Vinyl chloride	1.599	62	29111	4.217	ug/L	95
6) Bromomethane	1.843	94	11167	2.223	ug/L	90
8) Chloroethane	1.924	64	18944	4.567	ug/L	99
9) Trichlorofluoromethane	2.129	101	69061	4.959	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	31939	4.747	ug/L	99
12) 1,1-Dichloroethene	2.570	96	29094	4.887	ug/L	89
13) Acetone	2.612	43	41762	48.566	ug/L	98
14) Carbon disulfide	2.782	76	80470	4.232	ug/L	98
15) Methyl Acetate	2.940	43	8376	4.499	ug/L	98
16) Methylene chloride	3.033	84	30782	4.720	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	81371	4.973	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	31158	4.885	ug/L	93
19) 1,1-Dichloroethane	3.853	63	56318	4.939	ug/L	98
21) 2-Butanone	4.682	43	58974	51.496	ug/L	99
22) cis-1,2-Dichloroethene	4.650	96	36680	5.281	ug/L	95
23) Bromochloromethane	4.962	128	16808	5.126	ug/L	92
25) Chloroform	5.071	83	68151	4.856	ug/L	99

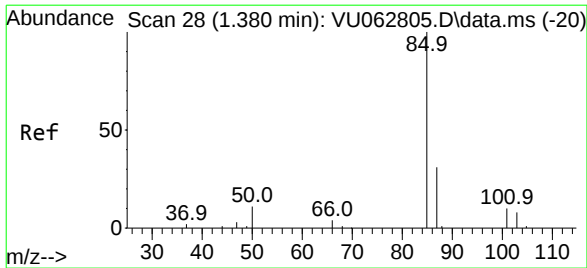
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	46279	5.043	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	68541	4.949	ug/L	98
30) Cyclohexane	5.374	56	39705	4.390	ug/L	95
31) Carbon tetrachloride	5.512	117	61945	4.866	ug/L	99
33) Benzene	5.759	78	123978	4.726	ug/L	100
34) Trichloroethene	6.531	95	36239	4.044	ug/L	96
35) Methylcyclohexane	6.750	83	47561	4.313	ug/L	99
37) 1,2-Dichloropropane	6.779	63	29201	4.718	ug/L	100
38) Bromodichloromethane	7.094	83	49492	4.973	ug/L	95
39) cis-1,3-Dichloropropene	7.595	75	50461	4.789	ug/L	96
40) 4-Methyl-2-pentanone	7.775	43	142655	49.345	ug/L	98
42) Toluene	7.959	91	141193	4.912	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	44590	4.909	ug/L	96
45) 1,1,2-Trichloroethane	8.389	97	24678	4.910	ug/L	99
47) Tetrachloroethene	8.544	164	29272	4.742	ug/L	97
48) 2-Hexanone	8.669	43	103736	49.912	ug/L	96
49) Dibromochloromethane	8.798	129	34251	5.075	ug/L	99
50) 1,2-Dibromoethane	8.914	107	25059	5.211	ug/L	99
51) Chlorobenzene	9.434	112	91457	4.865	ug/L	98
52) Ethylbenzene	9.560	91	159768	4.897	ug/L	96
53) m,p-Xylene	9.682	106	58562	4.800	ug/L	98
54) o-Xylene	10.090	106	58066	4.969	ug/L	99
55) Styrene	10.103	104	97910	5.009	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.769	83	28639	5.079	ug/L #	96
59) Bromoform	10.280	173	21622	5.167	ug/L	99
60) Isopropylbenzene	10.473	105	162827	4.926	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	20795	4.887	ug/L	95
62) 1,3,5-Trimethylbenzene	11.077	105	135864	4.835	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	134106	4.934	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	74256	4.845	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	74489	4.820	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	71331	4.966	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5401	4.900	ug/L	87
69) 1,3,5-Trichlorobenzene	13.209	180	52783	4.573	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	38833	4.177	ug/L	99
71) Naphthalene	14.081	128	51662	3.798	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	33082	4.082	ug/L	97

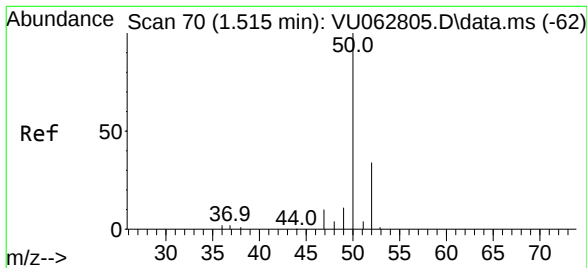
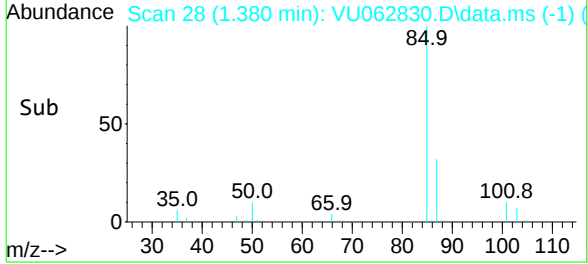
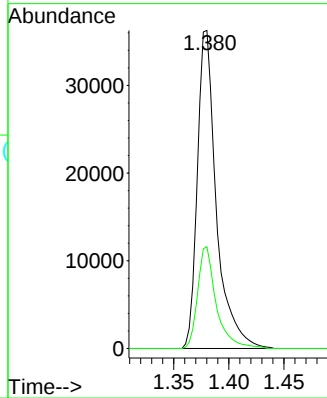
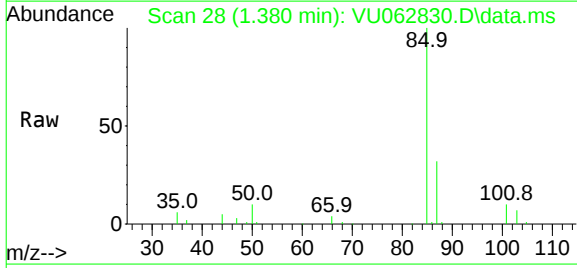
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.769 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

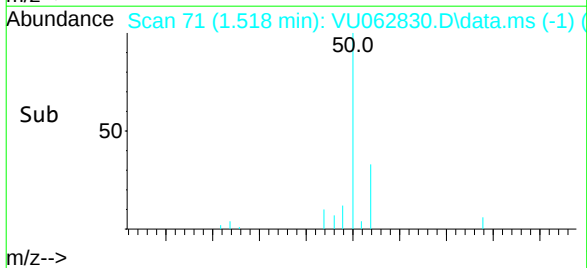
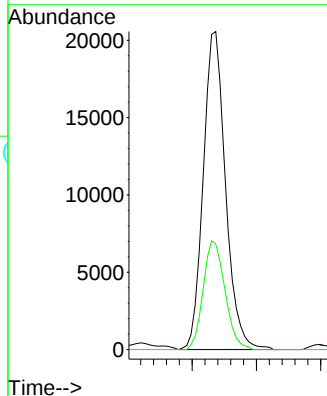
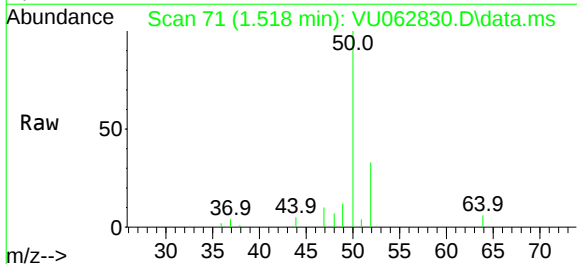
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

Tgt Ion: 85 Resp: 43567
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.1 39.1

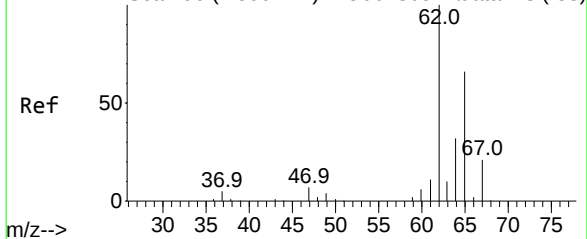


#3
 Chloromethane
 Concen: 4.032 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion: 50 Resp: 24718
 Ion Ratio Lower Upper
 50 100
 52 33.1 24.1 44.7



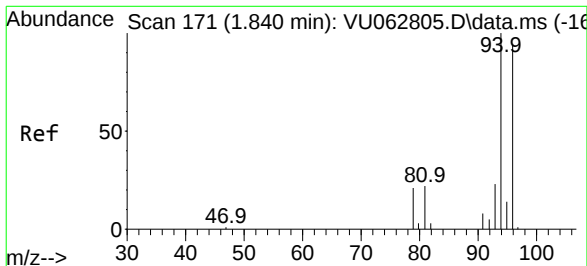
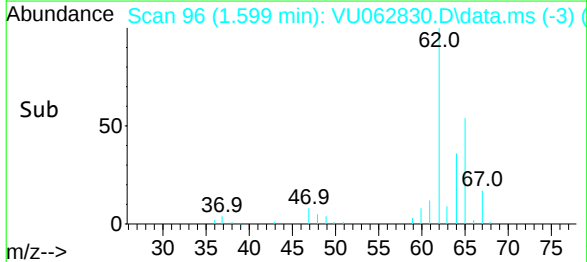
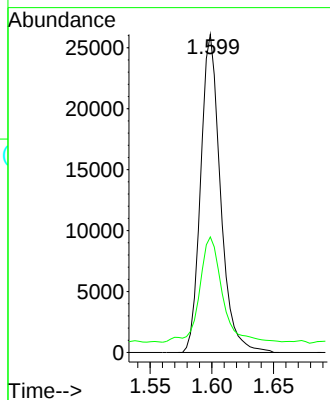
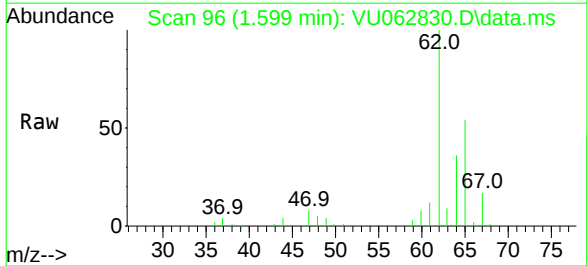
Abundance Scan 96 (1.599 min): VU062805.D\data.ms (-88)



#5
Vinyl chloride
Concen: 4.217 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

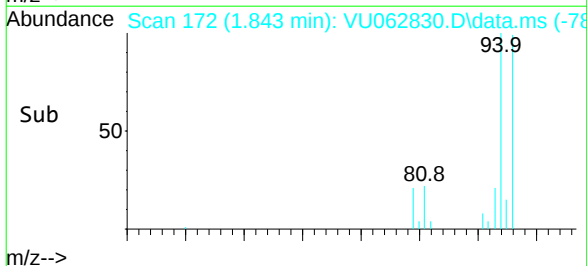
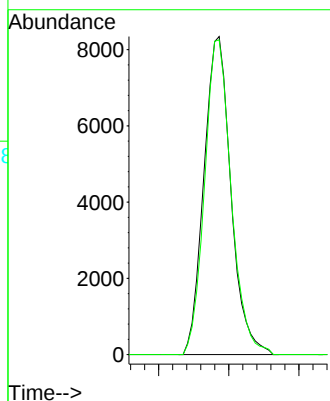
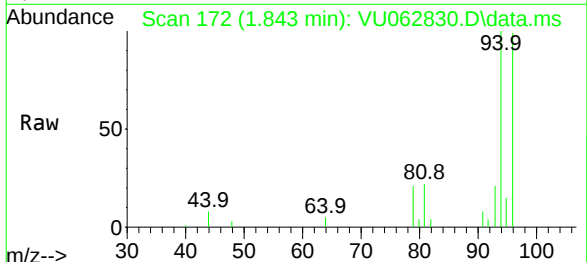
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

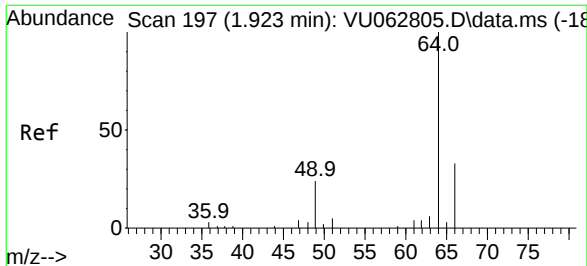
Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.3	23.4	43.4



#6
Bromomethane
Concen: 2.223 ug/L
RT: 1.843 min Scan# 172
Delta R.T. 0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion	Ratio	Lower	Upper
94	100		
96	99.0	62.9	116.7

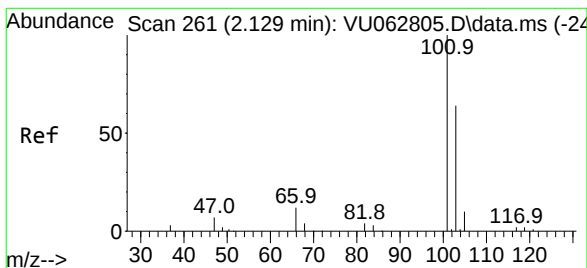
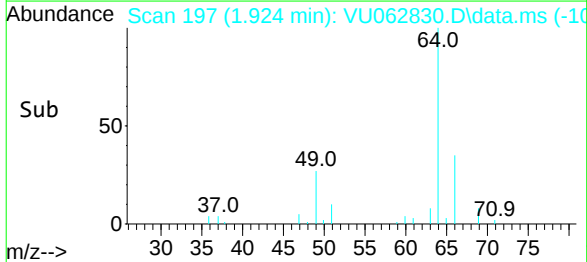
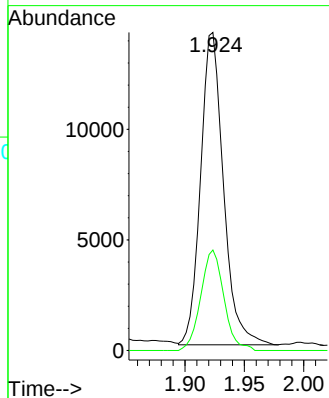
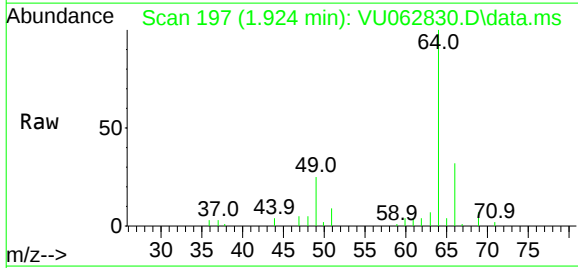




#8
Chloroethane
Concen: 4.567 ug/L
RT: 1.924 min Scan# 19
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

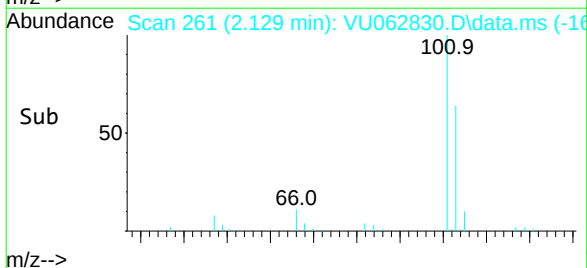
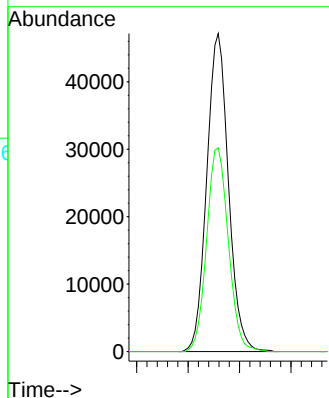
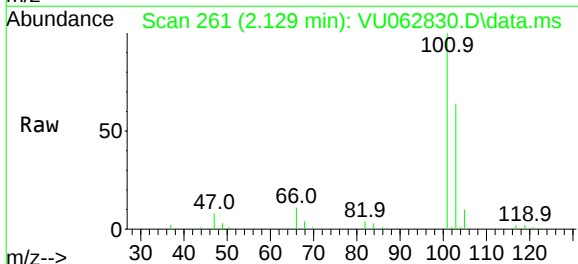
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

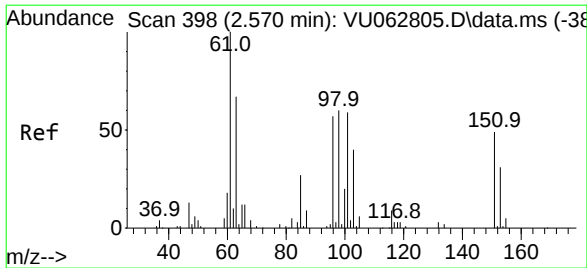
Tgt Ion: 64 Resp: 18944
Ion Ratio Lower Upper
64 100
66 31.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.959 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:101 Resp: 69061
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.0

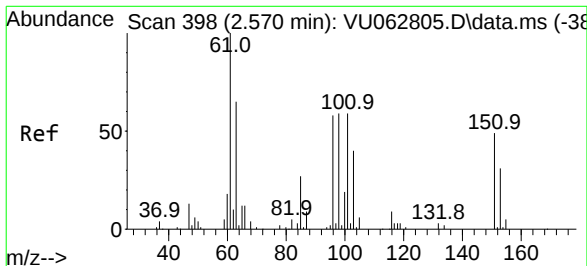
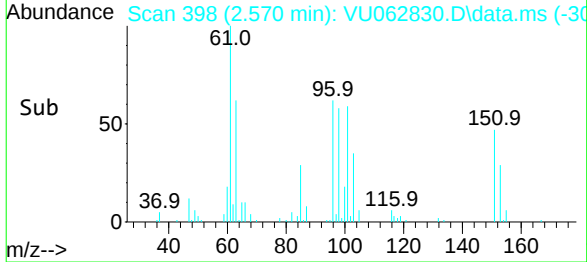
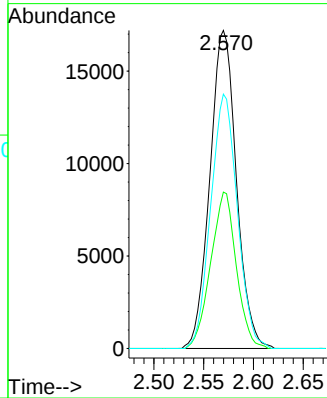
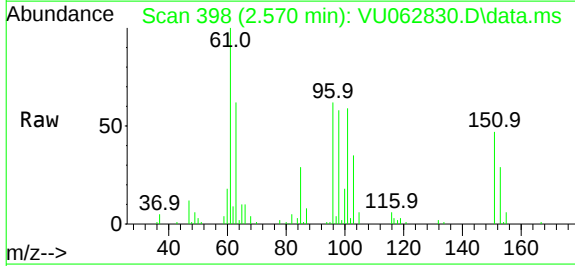




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.747 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

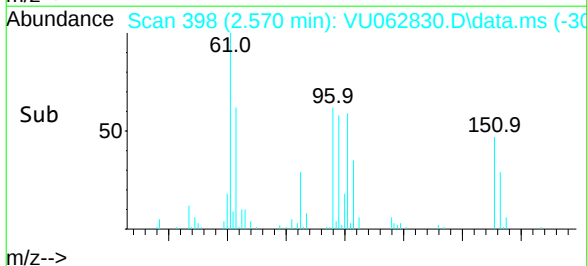
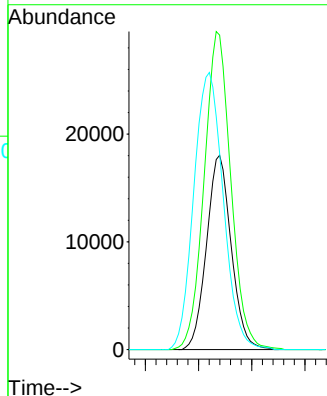
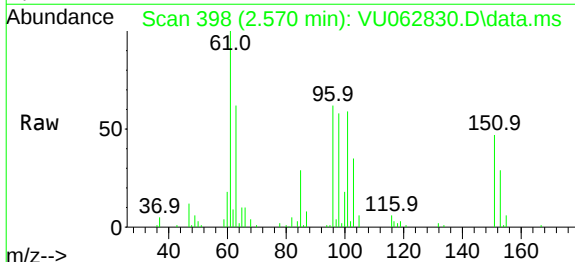
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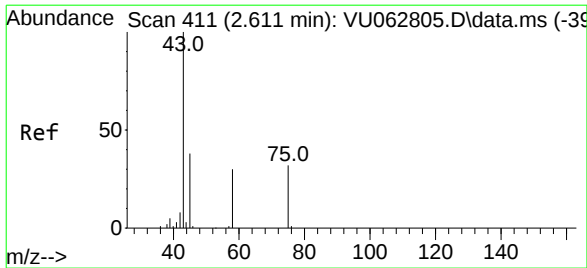
Tgt Ion:	101	Resp:	31939
Ion	Ratio	Lower	Upper
101	100		
85	47.4	37.0	55.6
151	80.3	64.4	96.6



#12
1,1-Dichloroethene
Concen: 4.887 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:	96	Resp:	29094
Ion	Ratio	Lower	Upper
96	100		
61	161.8	120.4	223.6
63	101.0	82.3	152.9





#13

Acetone

Concen: 48.566 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

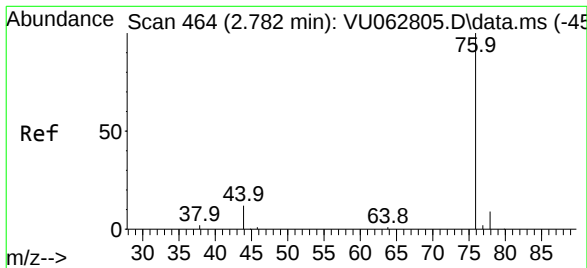
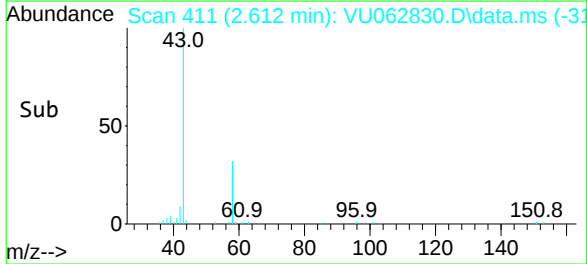
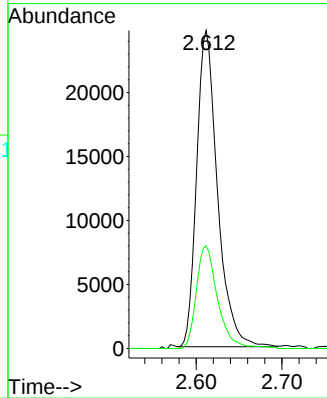
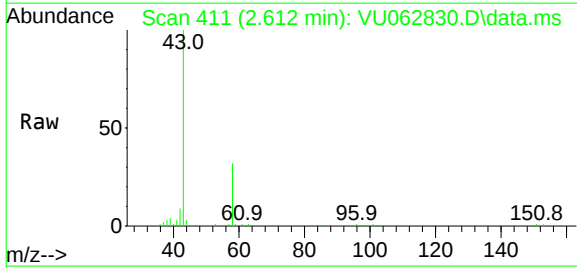
GCQ87MS

Tgt Ion: 43 Resp: 41762

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.4



#14

Carbon disulfide

Concen: 4.232 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU062830.D

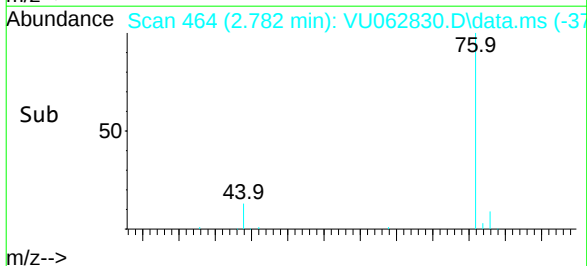
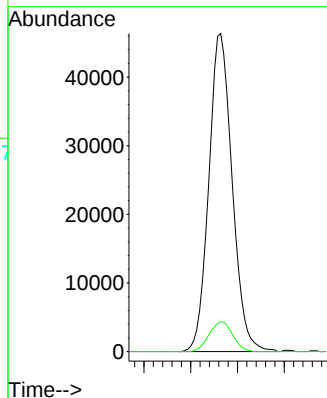
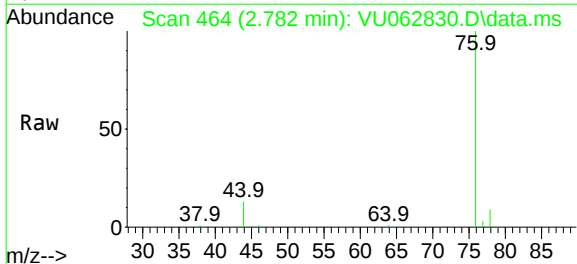
Acq: 16 Jan 2025 19:23

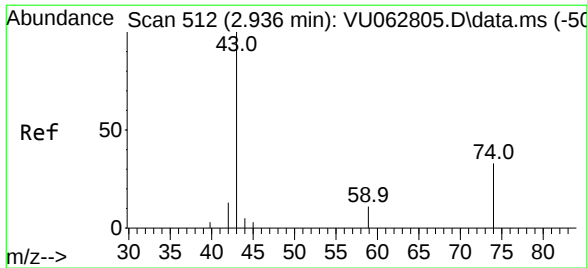
Tgt Ion: 76 Resp: 80470

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

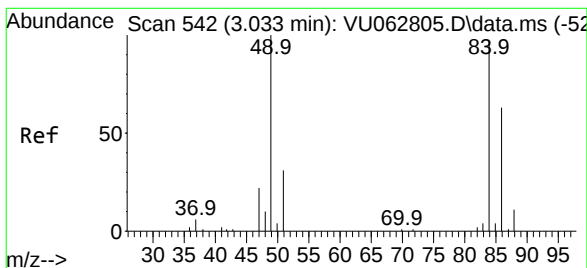
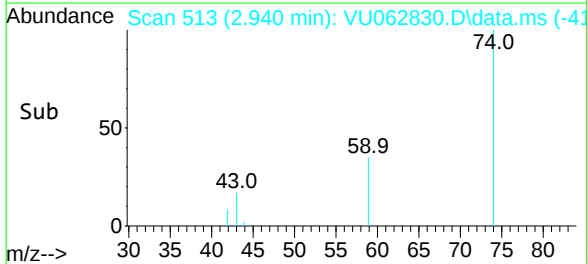
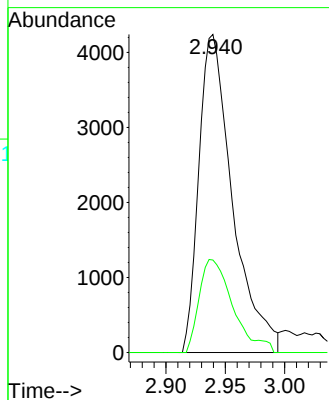
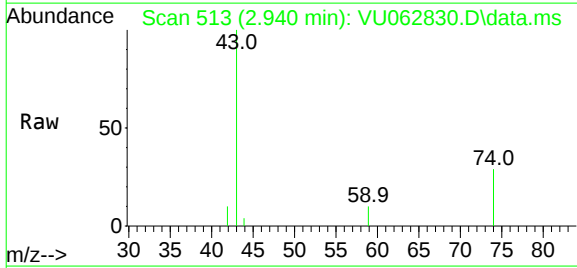




#15
Methyl Acetate
Concen: 4.499 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

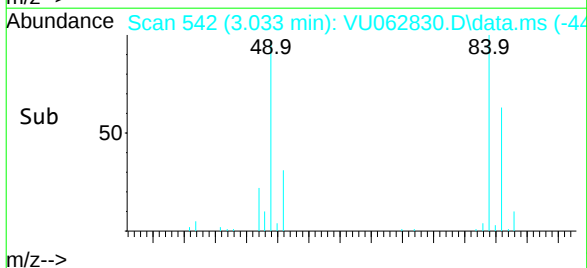
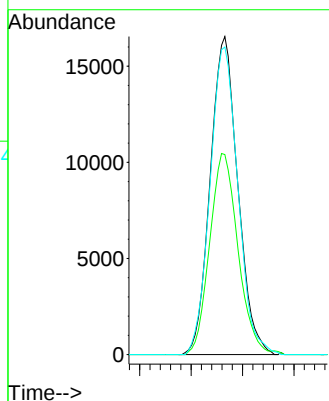
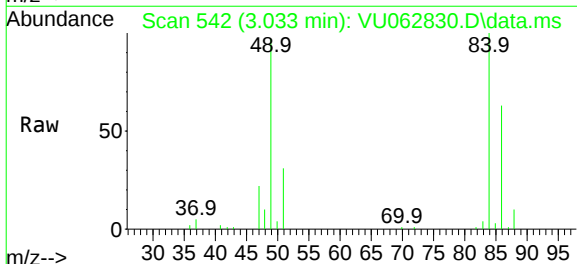
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

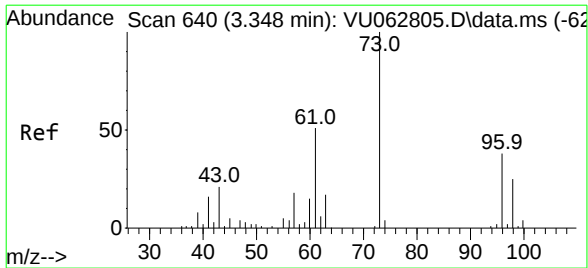
Tgt Ion: 43 Resp: 8376
Ion Ratio Lower Upper
43 100
74 29.3 24.4 36.6



#16
Methylene chloride
Concen: 4.720 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion: 84 Resp: 30782
Ion Ratio Lower Upper
84 100
86 62.9 44.7 83.1
49 96.7 68.3 126.9

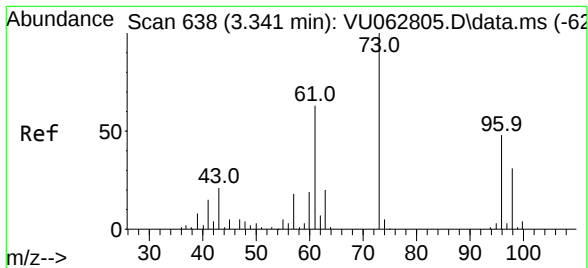
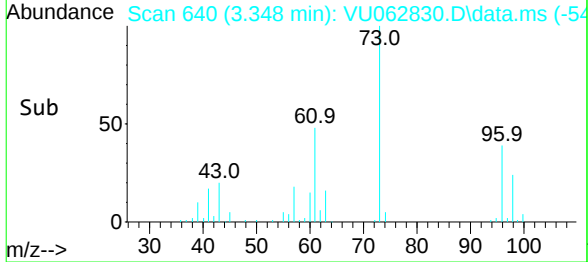
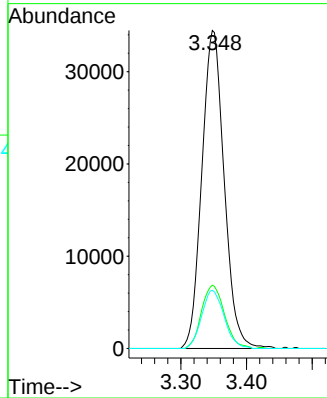
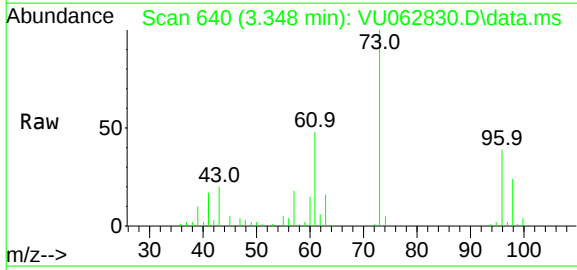




#17
Methyl tert-butyl Ether
Concen: 4.973 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

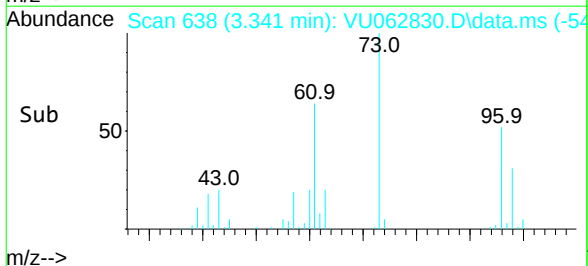
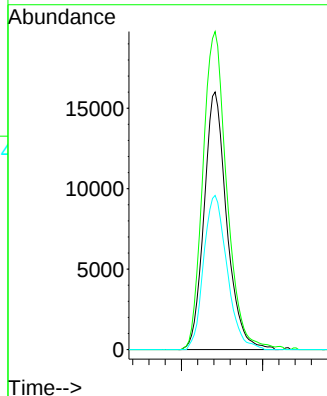
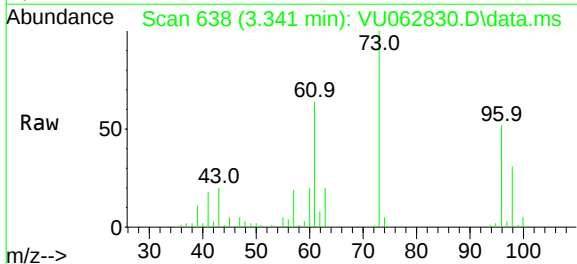
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

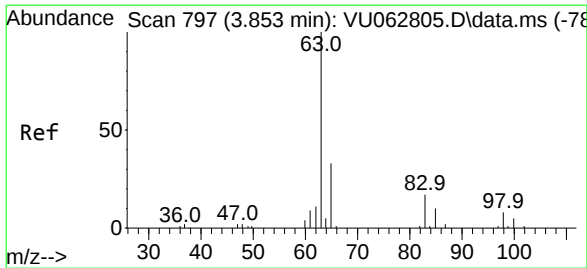
Tgt Ion:	73	Resp:	81371
Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.2	24.4
57	18.4	14.6	22.0



#18
trans-1,2-Dichloroethene
Concen: 4.885 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:	96	Resp:	31158
Ion	Ratio	Lower	Upper
96	100		
61	123.5	94.4	175.2
98	59.8	42.8	79.4

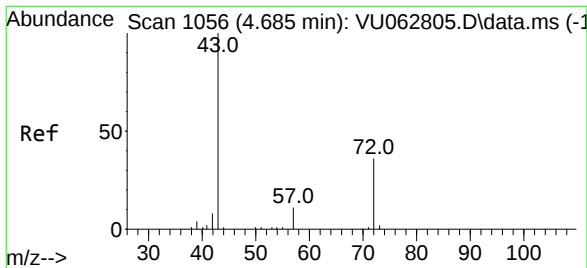
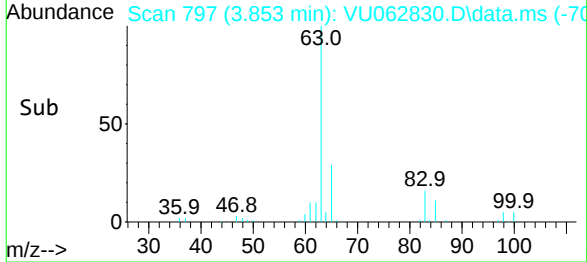
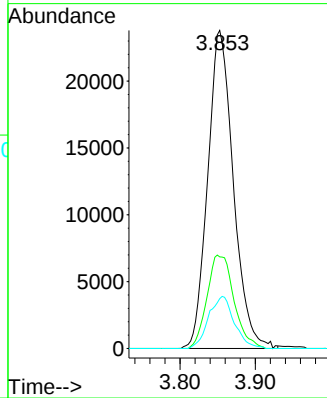
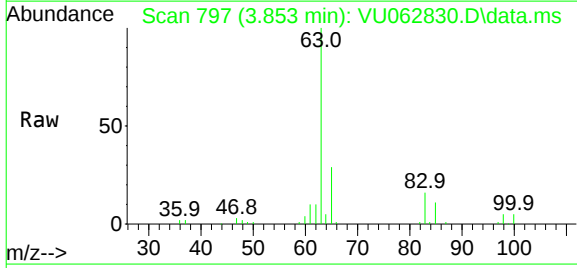




#19
1,1-Dichloroethane
Concen: 4.939 ug/L
RT: 3.853 min Scan# 79
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

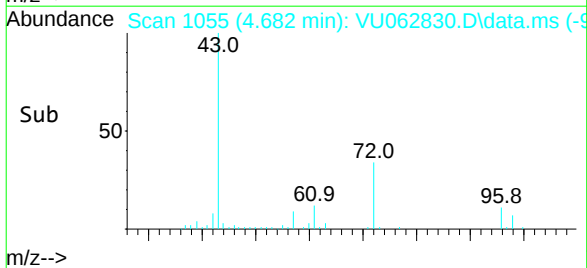
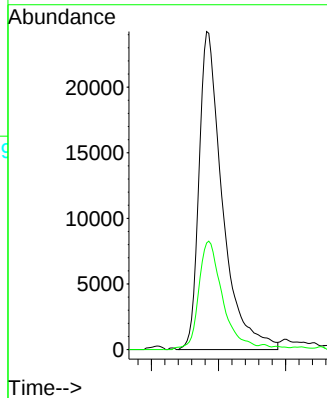
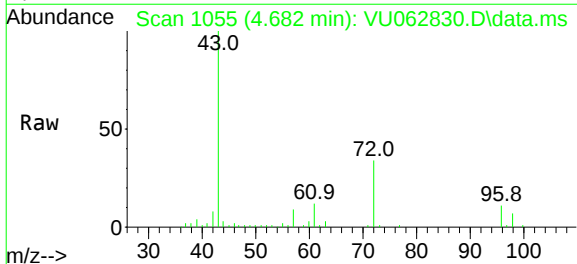
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

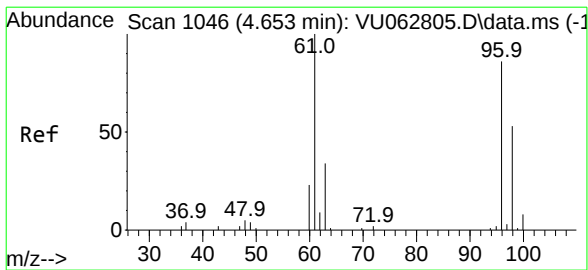
Tgt Ion:	63	Resp:	56318
Ion	Ratio	Lower	Upper
63	100		
65	28.8	20.7	38.5
83	15.7	10.5	19.5



#21
2-Butanone
Concen: 51.496 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:	43	Resp:	58974
Ion	Ratio	Lower	Upper
43	100		
72	34.5	17.1	51.2

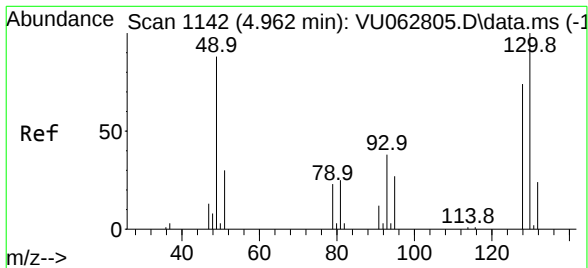
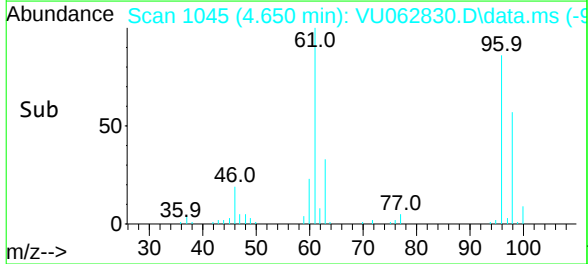
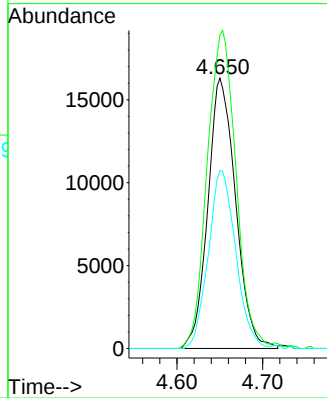
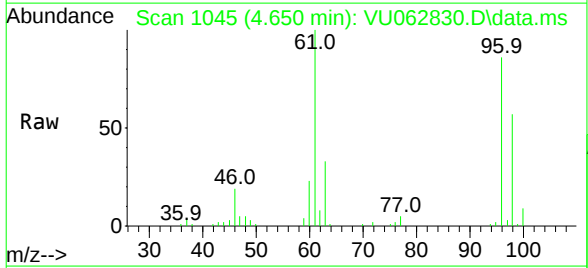




#22
cis-1,2-Dichloroethene
Concen: 5.281 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

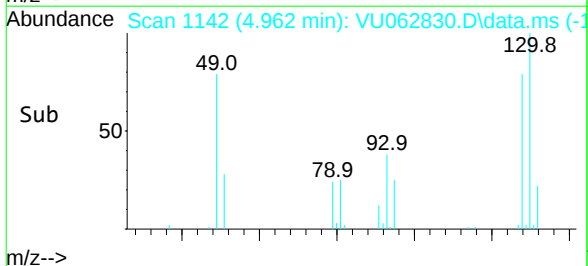
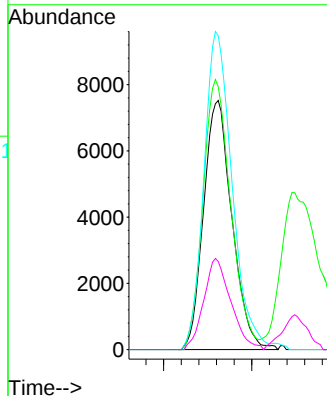
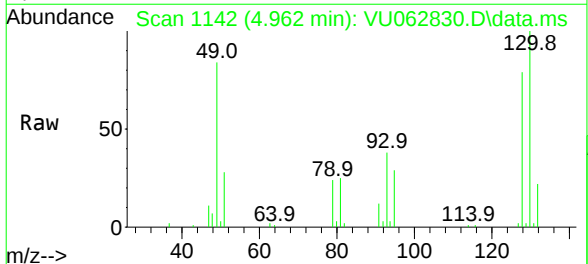
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

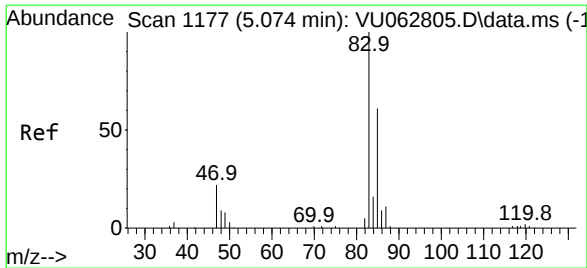
Tgt Ion:	96	Resp:	36680
Ion	Ratio	Lower	Upper
96	100		
61	115.9	84.8	157.6
98	65.8	43.1	80.1



#23
Bromochloromethane
Concen: 5.126 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:	128	Resp:	16808
Ion	Ratio	Lower	Upper
128	100		
49	105.5	81.1	150.7
130	126.0	94.9	176.3
51	35.4	30.6	46.0





#25

Chloroform

Concen: 4.856 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

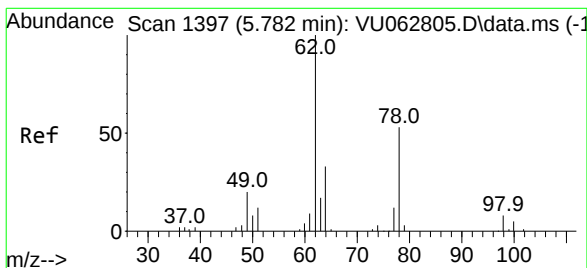
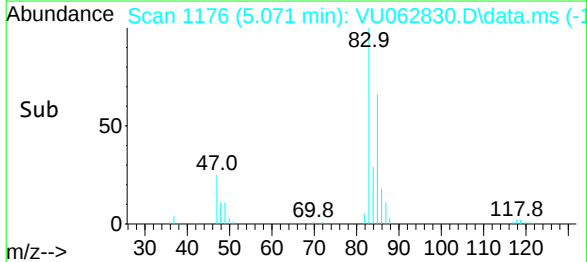
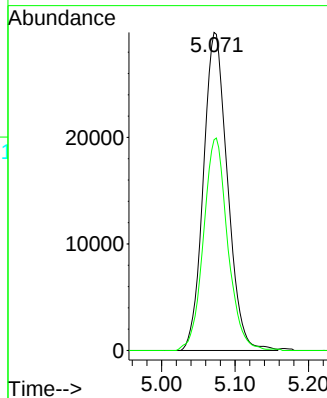
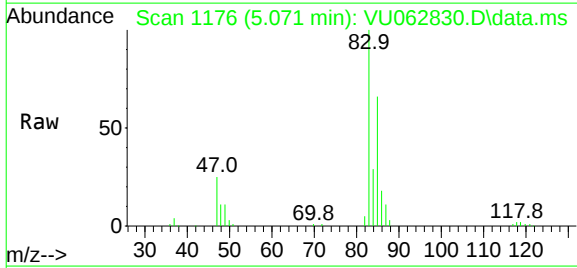
GCQ87MS

Tgt Ion: 83 Resp: 68151

Ion Ratio Lower Upper

83 100

85 66.2 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.043 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU062830.D

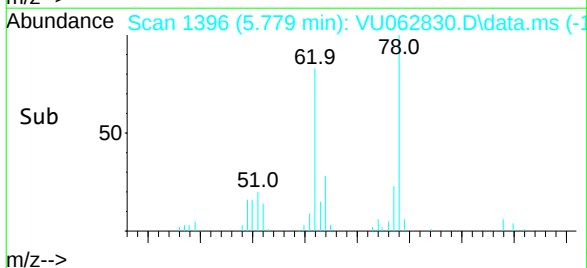
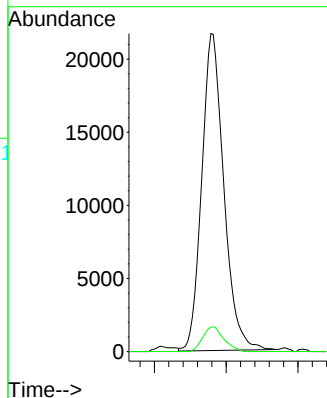
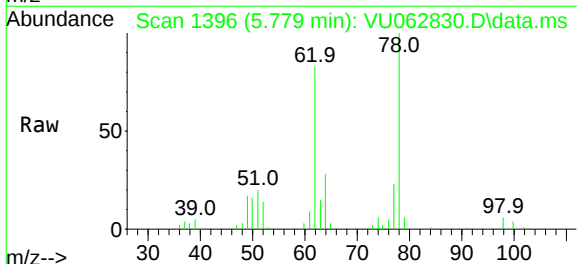
Acq: 16 Jan 2025 19:23

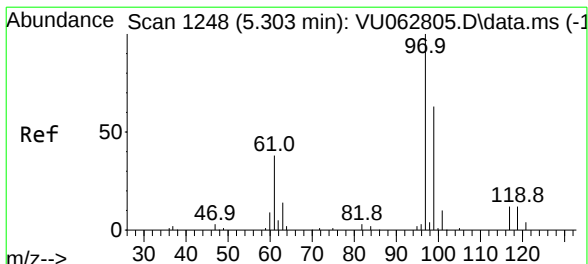
Tgt Ion: 62 Resp: 46279

Ion Ratio Lower Upper

62 100

98 7.7 5.8 8.6

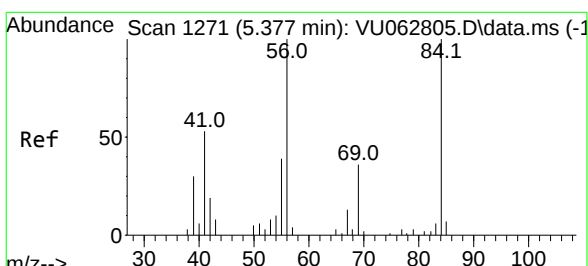
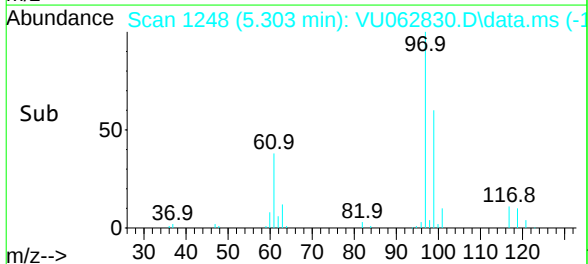
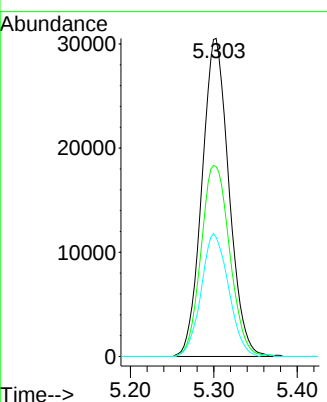
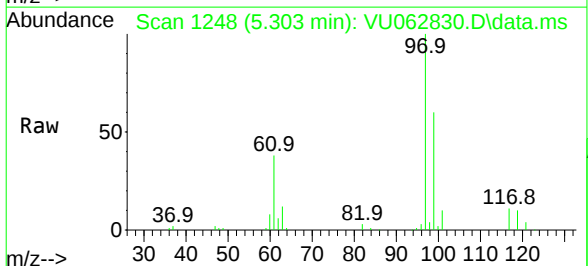




#29
 1,1,1-Trichloroethane
 Concen: 4.949 ug/L
 RT: 5.303 min Scan# 1270
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

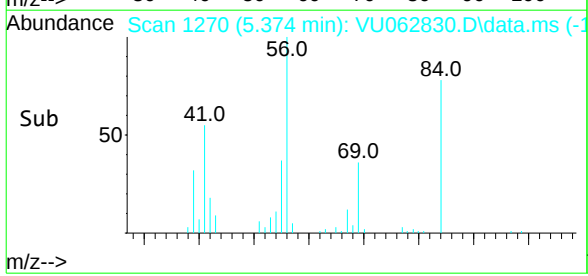
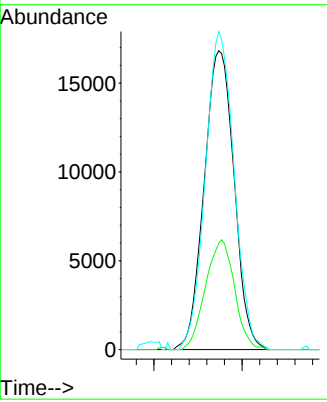
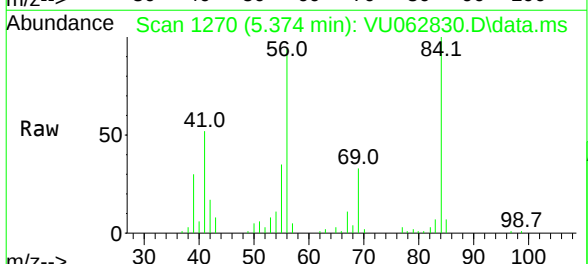
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

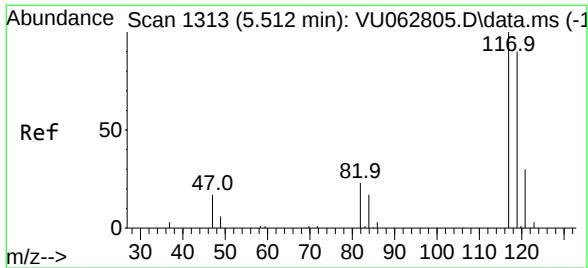
Tgt Ion:	97	Resp:	68541
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.4	78.6
61	39.3	32.2	48.4



#30
 Cyclohexane
 Concen: 4.390 ug/L
 RT: 5.374 min Scan# 1270
 Delta R.T. -0.003 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion:	56	Resp:	39705
Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.3	42.5
84	102.2	76.5	114.7

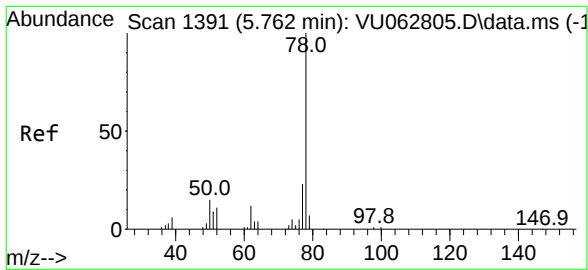
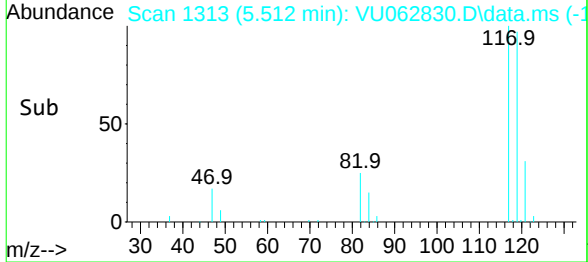
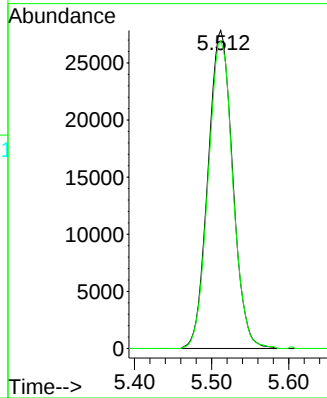
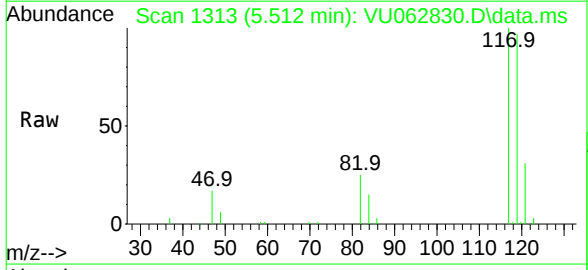




#31
Carbon tetrachloride
Concen: 4.866 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

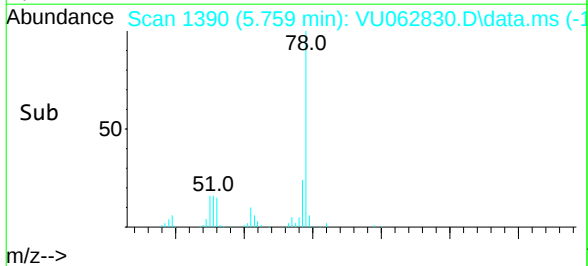
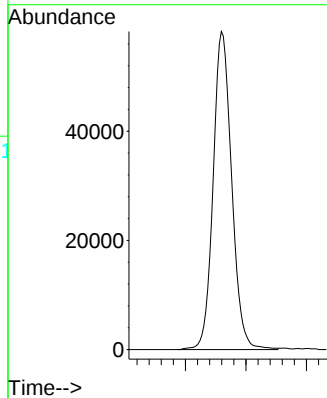
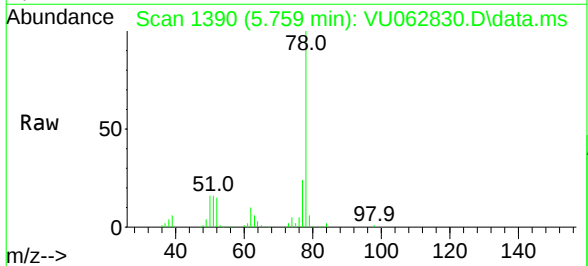
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

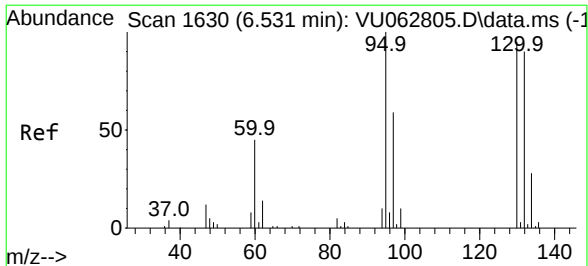
Tgt Ion:117 Resp: 61945
Ion Ratio Lower Upper
117 100
119 97.1 78.6 118.0



#33
Benzene
Concen: 4.726 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

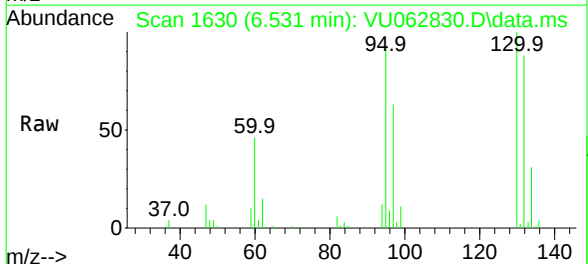
Tgt Ion: 78 Resp: 123978





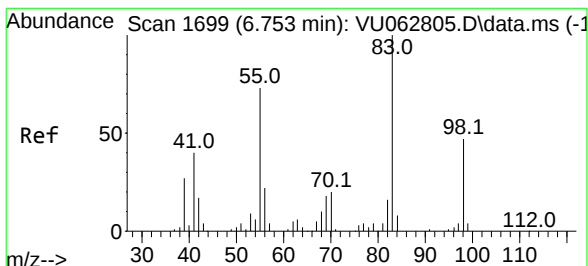
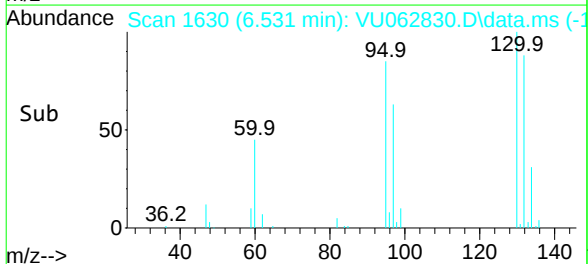
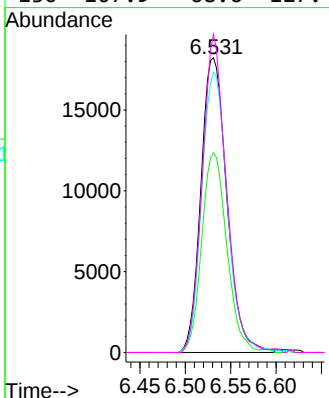
#34
Trichloroethene
Concen: 4.044 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS



Tgt Ion: 95 Resp: 36239

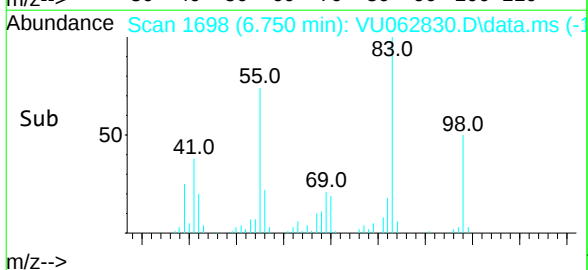
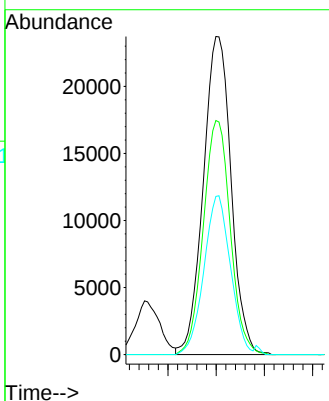
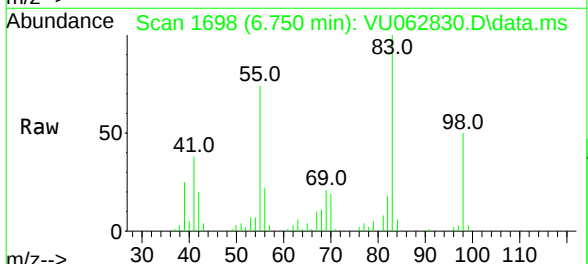
Ion	Ratio	Lower	Upper
95	100		
97	67.7	47.5	88.3
132	95.2	66.9	124.3
130	107.9	68.6	127.4

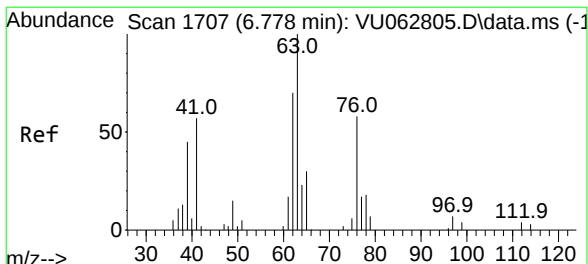


#35
Methylcyclohexane
Concen: 4.313 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion: 83 Resp: 47561

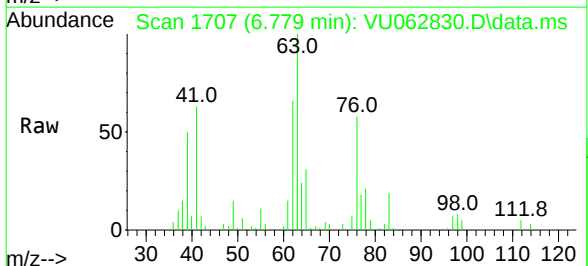
Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.2	85.8
98	47.6	36.6	55.0



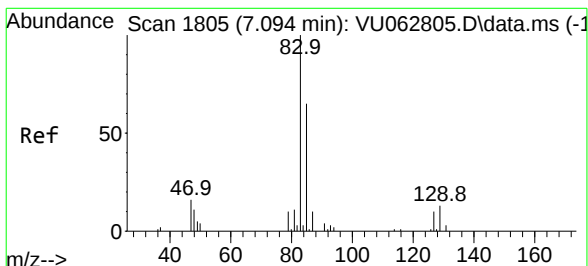
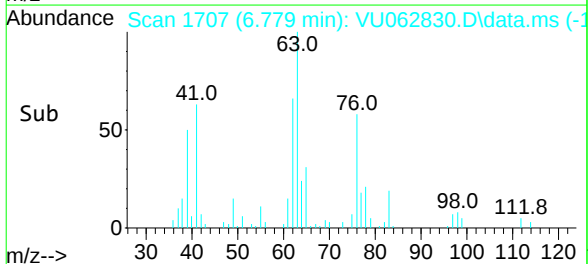
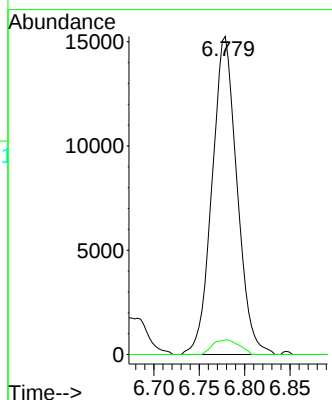


#37
 1,2-Dichloropropane
 Concen: 4.718 ug/L
 RT: 6.779 min Scan# 1707
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

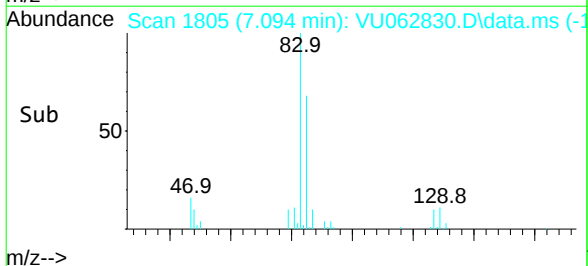
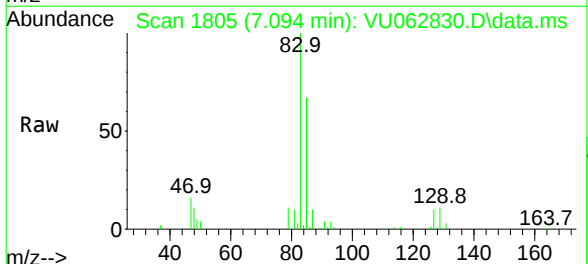
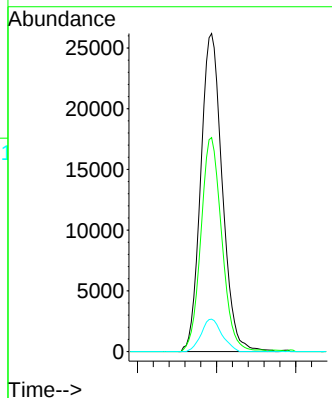


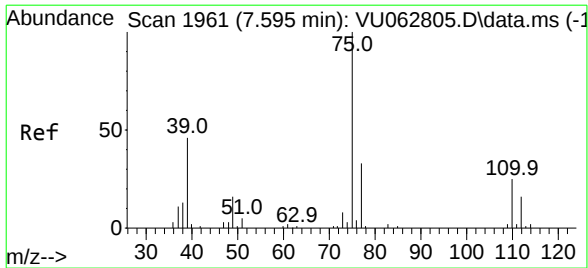
Tgt Ion:	63	Resp:	29201
Ion	Ratio	Lower	Upper
63	100		
112	4.9	3.8	5.8



#38
 Bromodichloromethane
 Concen: 4.973 ug/L
 RT: 7.094 min Scan# 1805
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion:	83	Resp:	49492
Ion	Ratio	Lower	Upper
83	100		
85	67.3	44.2	82.0
127	10.2	7.8	11.8

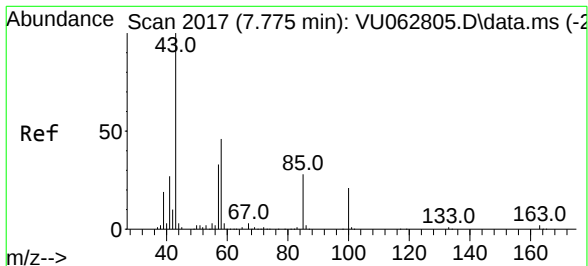
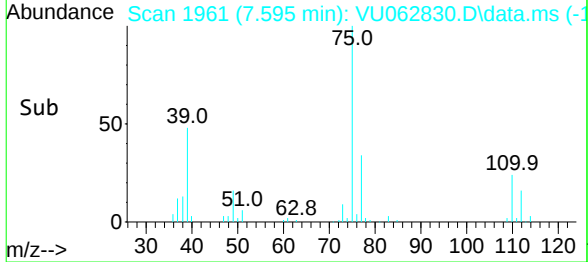
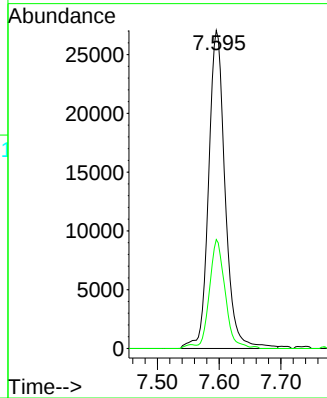
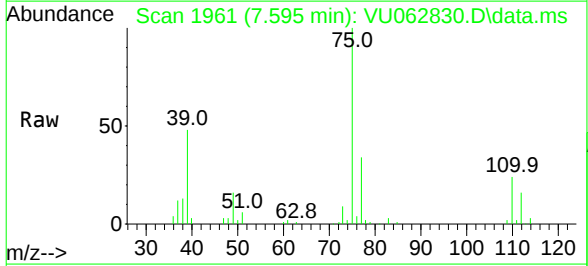




#39
 cis-1,3-Dichloropropene
 Concen: 4.789 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

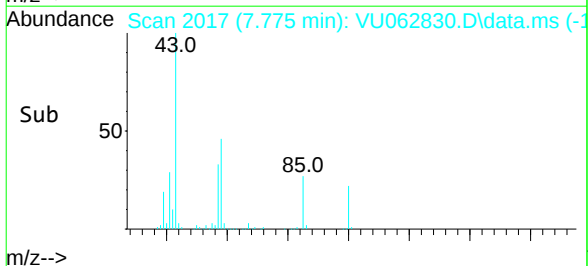
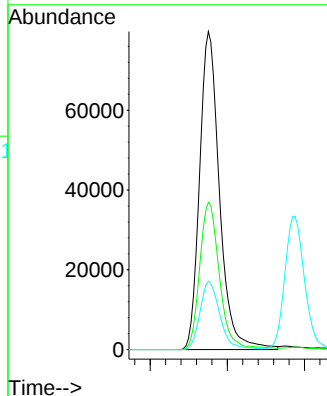
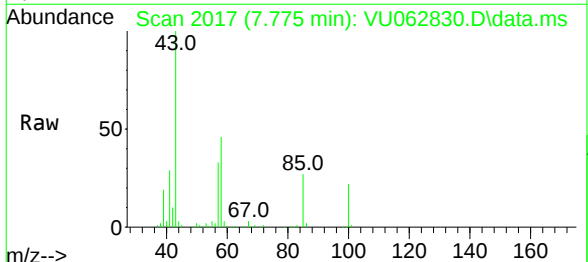
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

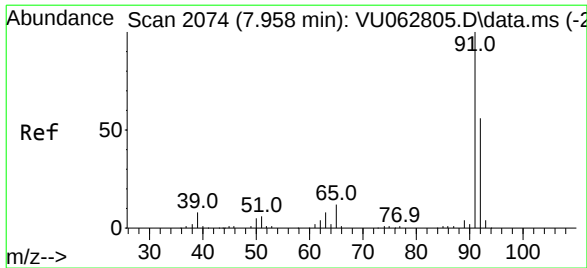
Tgt Ion:	75	Resp:	50461
Ion	Ratio	Lower	Upper
75	100		
77	34.2	22.3	41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.345 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion:	43	Resp:	142655
Ion	Ratio	Lower	Upper
43	100		
58	46.3	35.8	53.8
100	21.4	16.8	25.2





#42

Toluene

Concen: 4.912 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

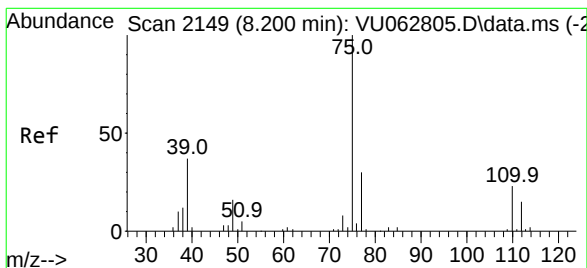
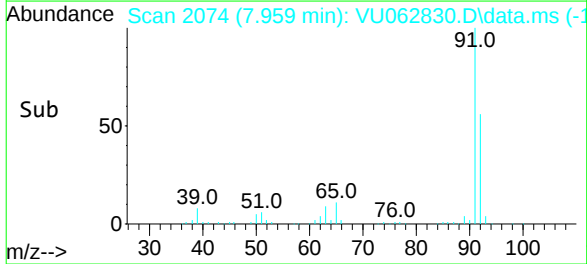
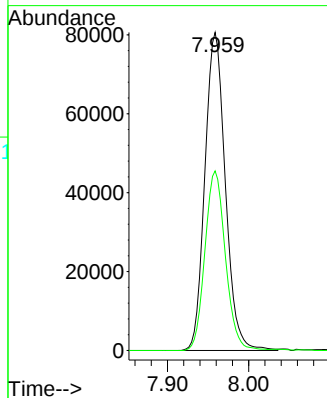
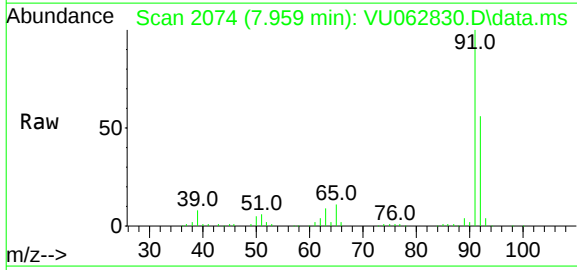
GCQ87MS

Tgt Ion: 91 Resp: 141193

Ion Ratio Lower Upper

91 100

92 56.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.909 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU062830.D

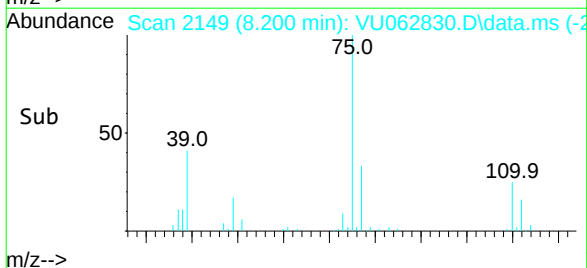
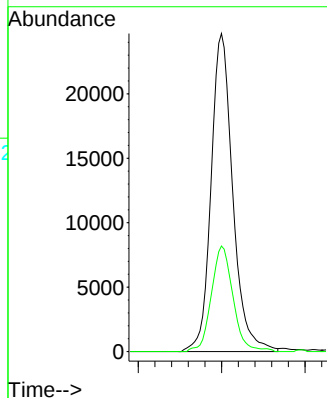
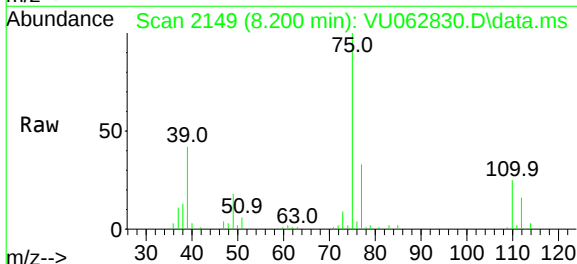
Acq: 16 Jan 2025 19:23

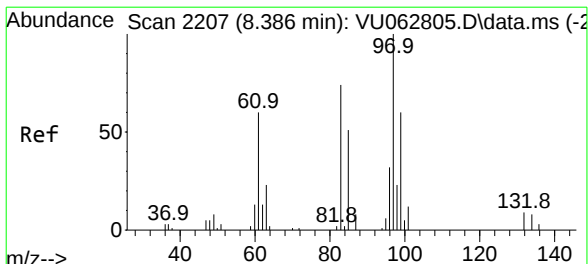
Tgt Ion: 75 Resp: 44590

Ion Ratio Lower Upper

75 100

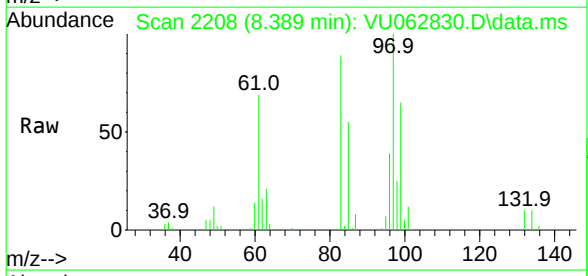
77 33.2 21.8 40.6



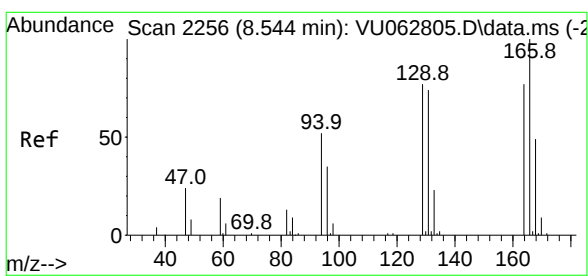
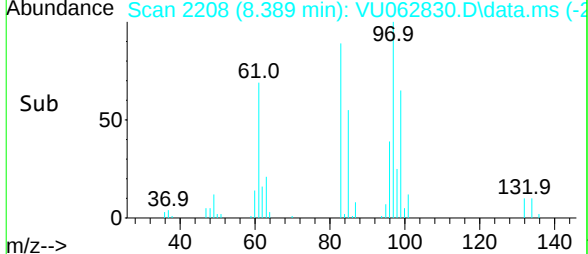
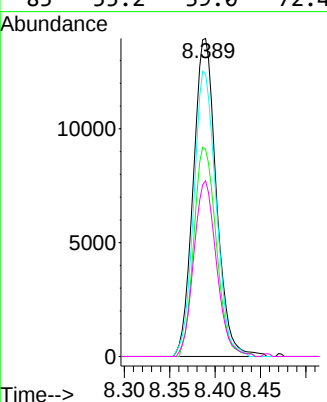


#45
 1,1,2-Trichloroethane
 Concen: 4.910 ug/L
 RT: 8.389 min Scan# 2207
 Delta R.T. 0.003 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Instrument : MSVOA_U
 ClientSampleId : GCQ87MS

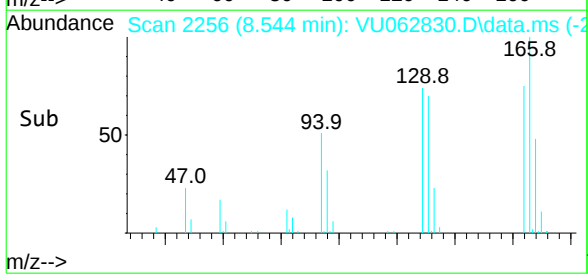
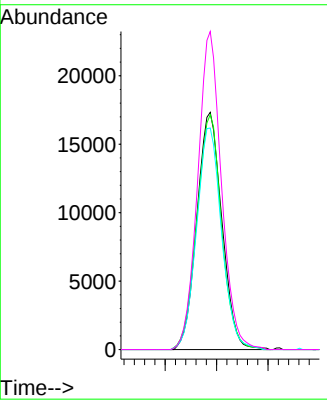
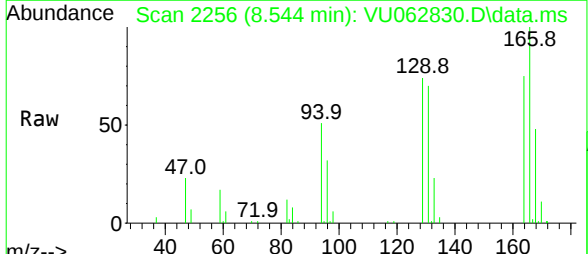


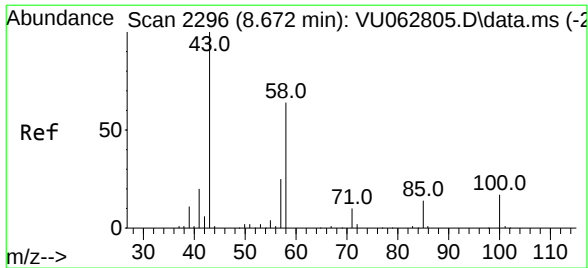
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.6	84.6
83	88.8	63.0	117.0
85	55.2	39.0	72.4



#47
 Tetrachloroethene
 Concen: 4.742 ug/L
 RT: 8.544 min Scan# 2256
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

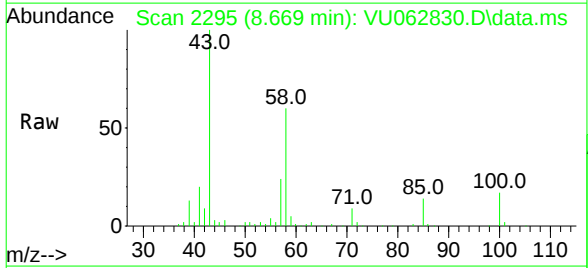
Tgt Ion	Ratio	Lower	Upper
164	100		
129	99.0	71.0	131.9
131	93.4	69.4	129.0
166	134.1	92.7	172.3



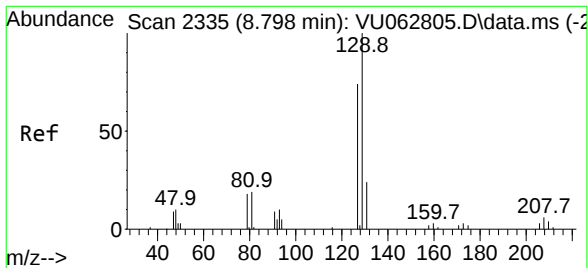
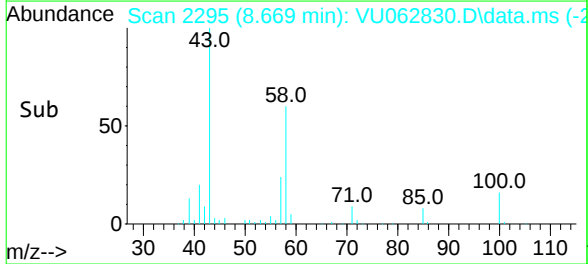
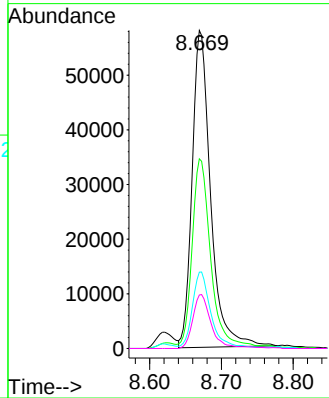


#48
2-Hexanone
Concen: 49.912 ug/L
RT: 8.669 min Scan# 2296
Delta R.T. -0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

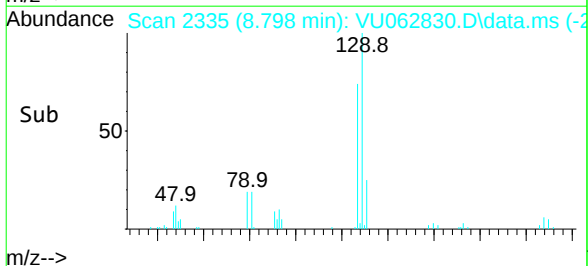
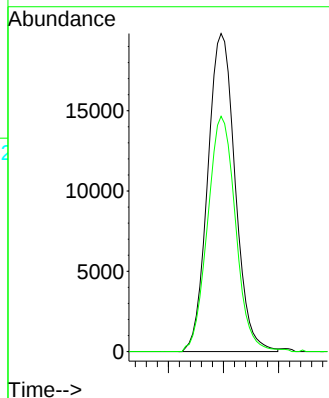
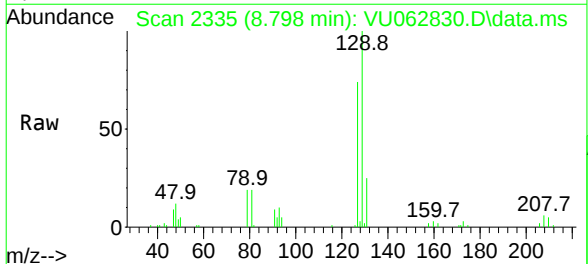


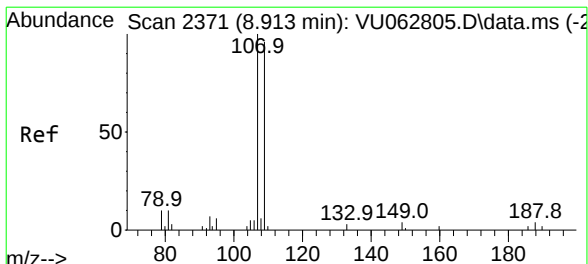
Tgt Ion: 43 Resp: 103736
Ion Ratio Lower Upper
43 100
58 58.5 50.2 75.4
57 23.7 19.9 29.9
100 17.0 12.6 18.8



#49
Dibromochloromethane
Concen: 5.075 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion: 129 Resp: 34251
Ion Ratio Lower Upper
129 100
127 74.0 52.1 96.9

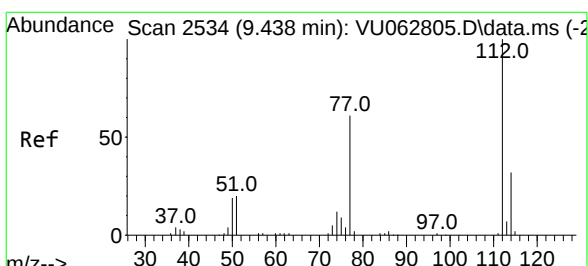
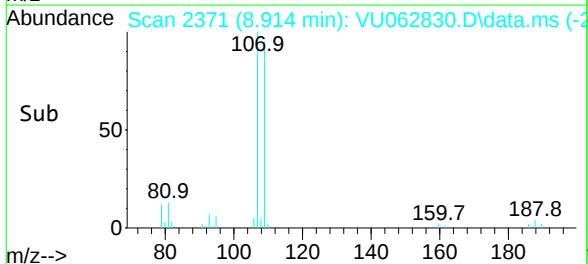
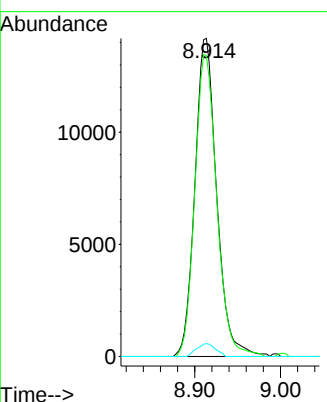
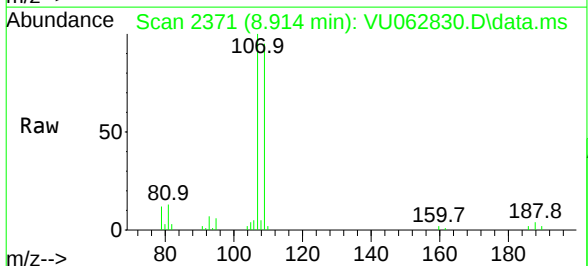




#50
 1,2-Dibromoethane
 Concen: 5.211 ug/L
 RT: 8.914 min Scan# 2371
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

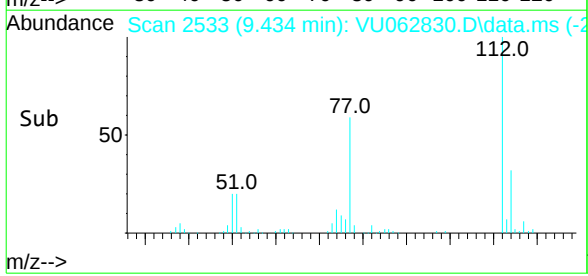
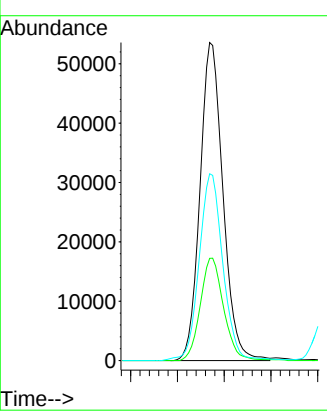
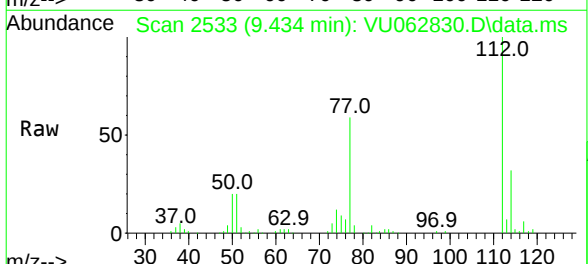
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

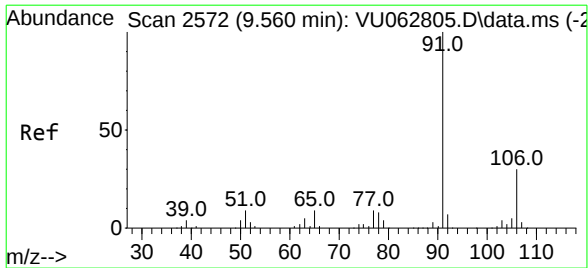
Tgt Ion:	107	Resp:	25059
Ion	Ratio	Lower	Upper
107	100		
109	94.6	65.7	121.9
188	4.1	3.4	5.2



#51
 Chlorobenzene
 Concen: 4.865 ug/L
 RT: 9.434 min Scan# 2533
 Delta R.T. -0.003 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion:	112	Resp:	91457
Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.7	40.3
77	58.7	48.6	73.0

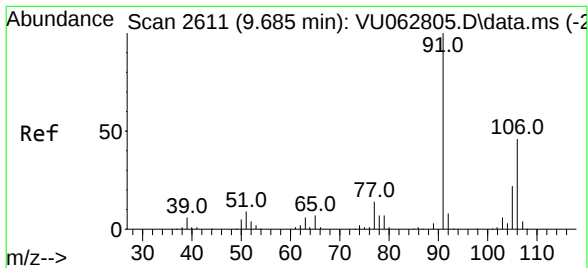
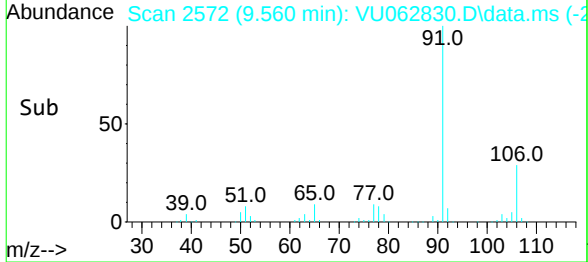
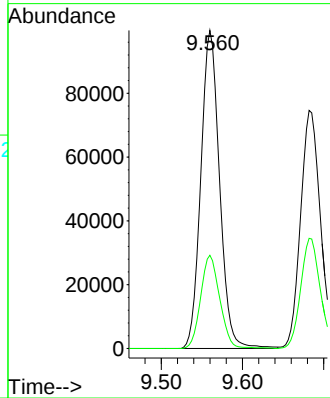
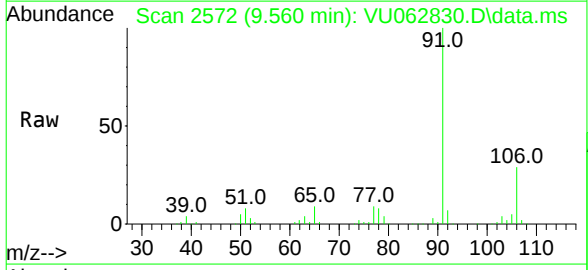




#52
 Ethylbenzene
 Concen: 4.897 ug/L
 RT: 9.560 min Scan# 2572
 Delta R.T. 0.000 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

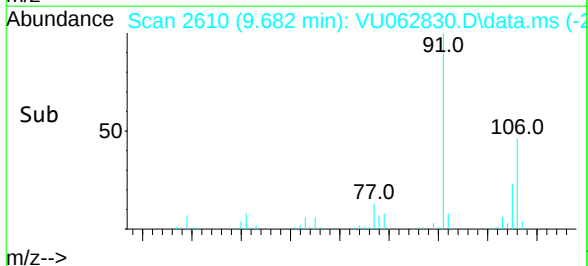
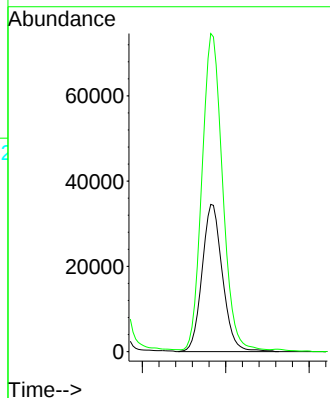
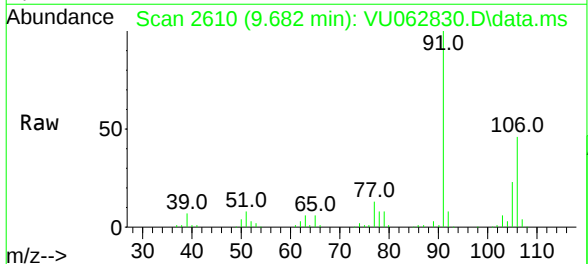
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MS

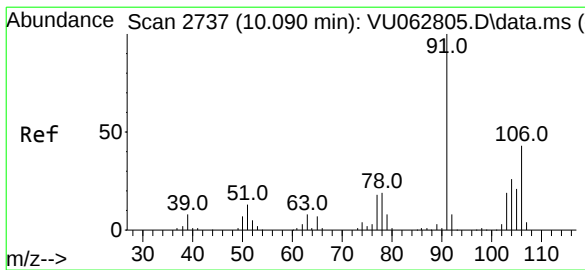
Tgt Ion: 91 Resp: 159768
 Ion Ratio Lower Upper
 91 100
 106 29.3 21.9 40.7



#53
 m,p-Xylene
 Concen: 4.800 ug/L
 RT: 9.682 min Scan# 2610
 Delta R.T. -0.003 min
 Lab File: VU062830.D
 Acq: 16 Jan 2025 19:23

Tgt Ion: 106 Resp: 58562
 Ion Ratio Lower Upper
 106 100
 91 216.1 153.1 284.3





#54

o-Xylene

Concen: 4.969 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

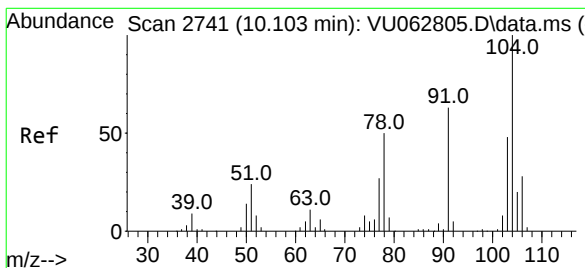
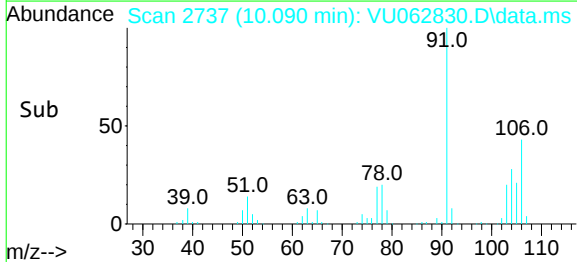
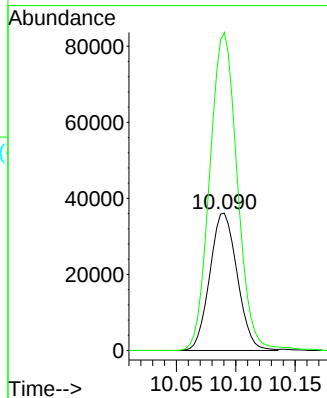
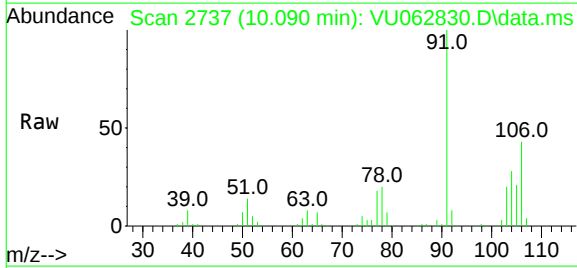
GCQ87MS

Tgt Ion:106 Resp: 58066

Ion Ratio Lower Upper

106 100

91 231.6 160.4 297.8



#55

Styrene

Concen: 5.009 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU062830.D

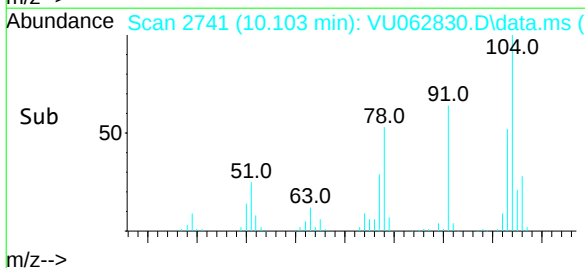
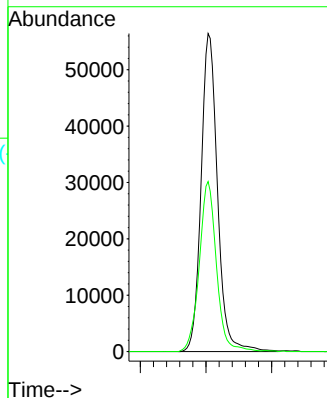
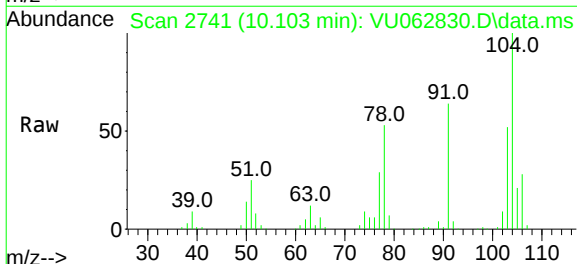
Acq: 16 Jan 2025 19:23

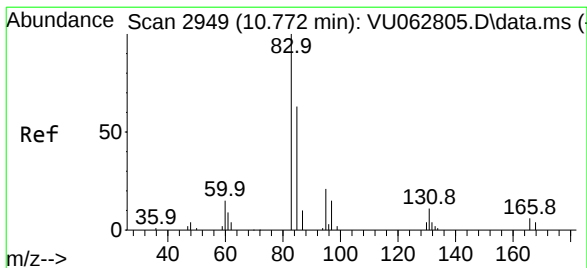
Tgt Ion:104 Resp: 97910

Ion Ratio Lower Upper

104 100

78 53.5 35.5 65.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.079 ug/L

RT: 10.769 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

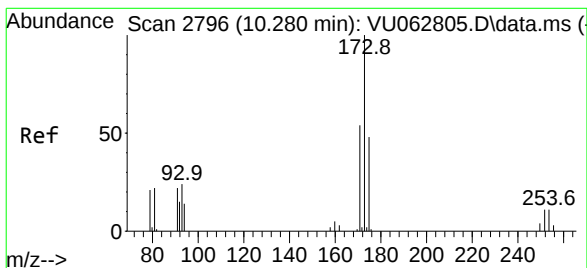
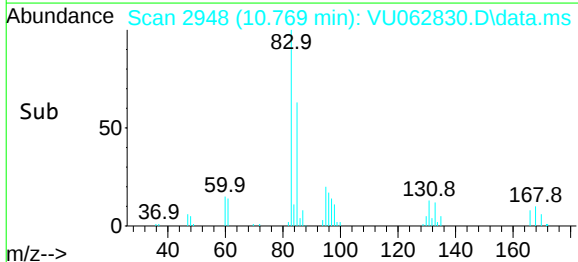
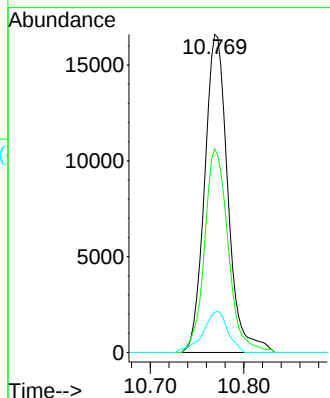
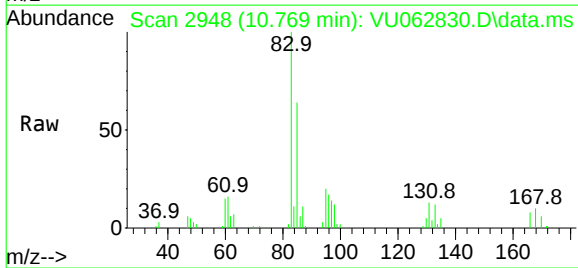
Instrument :

MSVOA_U

ClientSampleId :

GCQ87MS

Tgt Ion:	83	Resp:	28639
Ion Ratio	Lower	Upper	
83	100		
85	64.0	43.0	79.8
131	12.6	7.4	11.0



#59

Bromoform

Concen: 5.167 ug/L

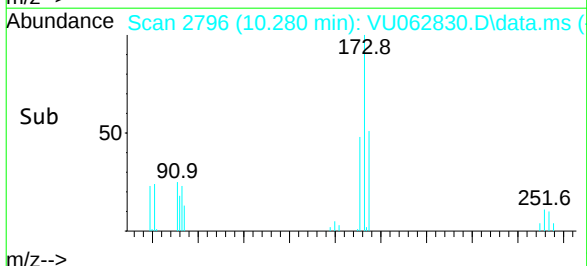
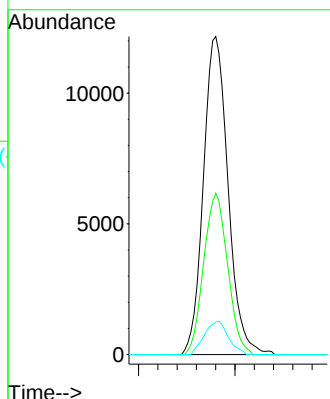
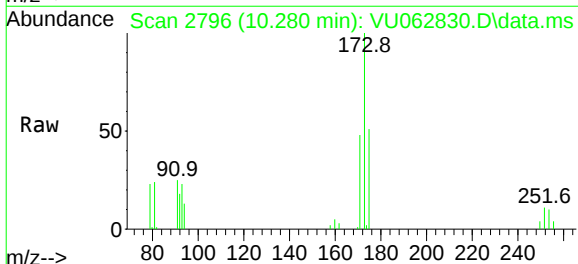
RT: 10.280 min Scan# 2796

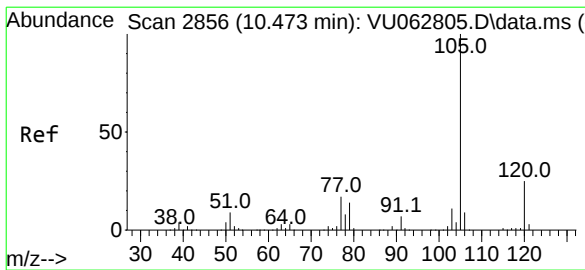
Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Tgt Ion:	173	Resp:	21622
Ion Ratio	Lower	Upper	
173	100		
175	49.1	39.8	59.8
254	10.2	8.6	12.8





#60

Isopropylbenzene

Concen: 4.926 ug/L

RT: 10.473 min Scan# 28

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MS

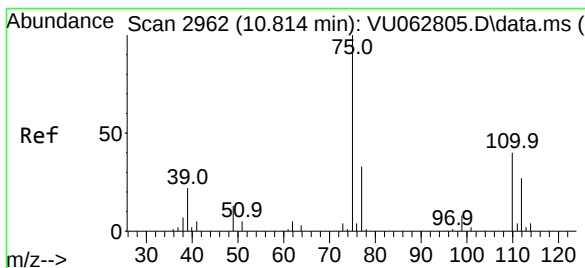
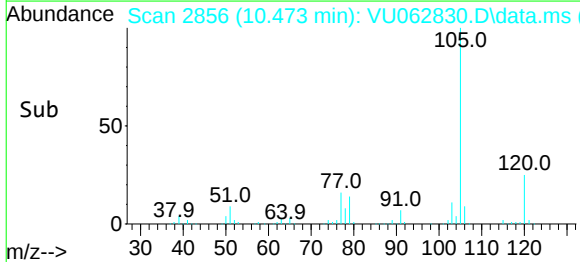
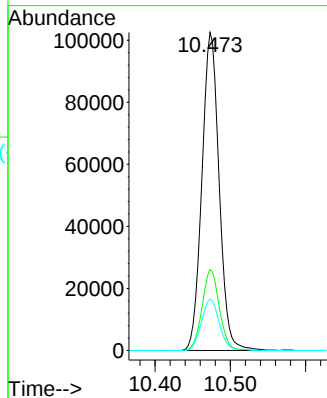
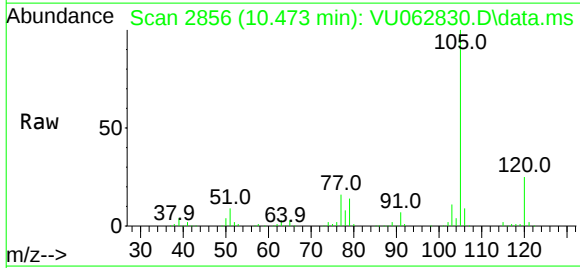
Tgt Ion:105 Resp: 162827

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2

77 16.8 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.887 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

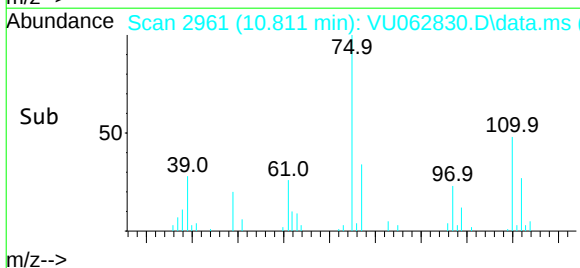
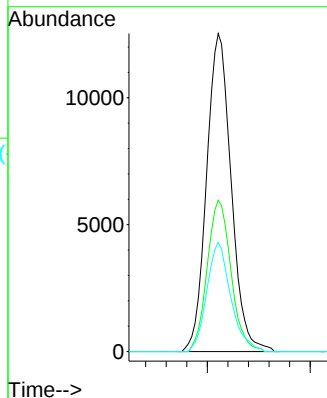
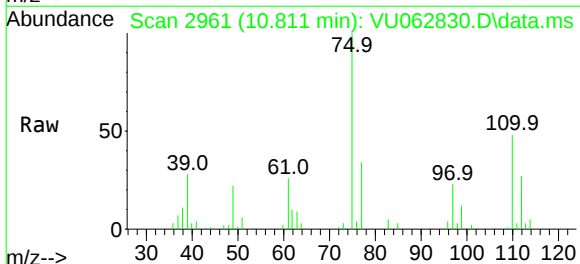
Tgt Ion: 75 Resp: 20795

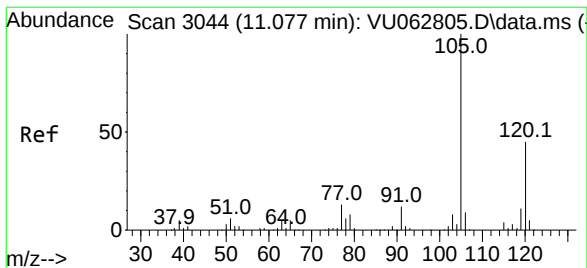
Ion Ratio Lower Upper

75 100

110 46.0 33.2 49.8

77 33.5 25.9 38.9

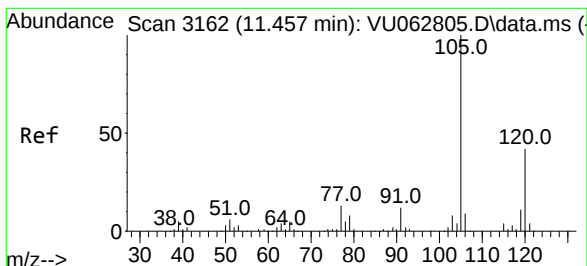
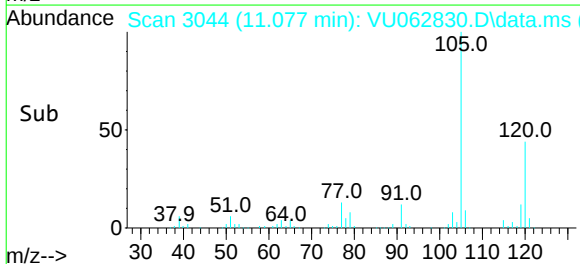
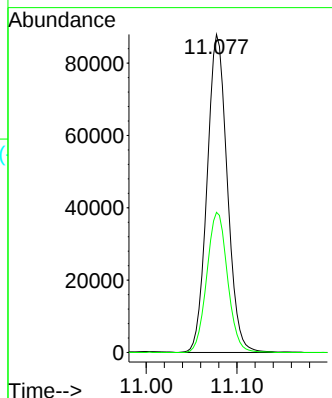
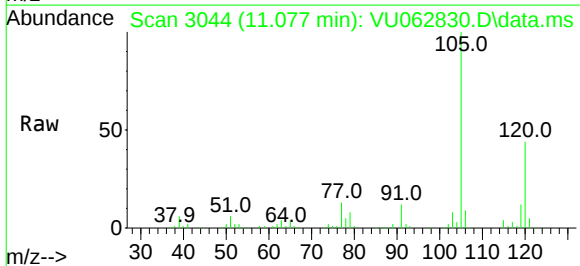




#62
1,3,5-Trimethylbenzene
Concen: 4.835 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

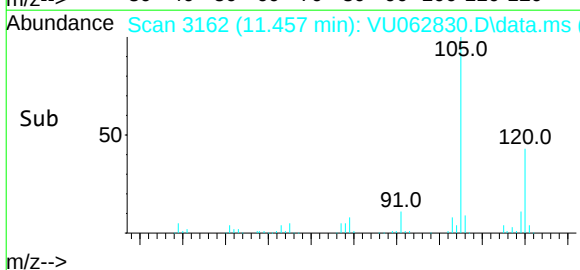
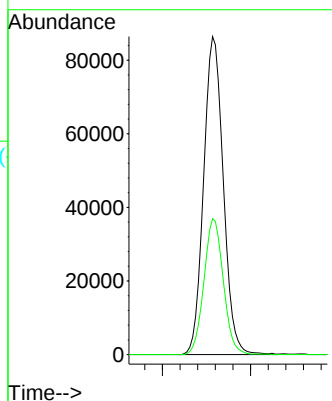
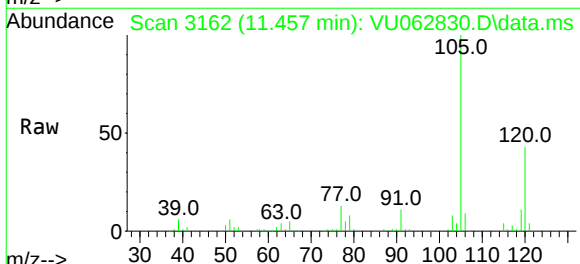
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS

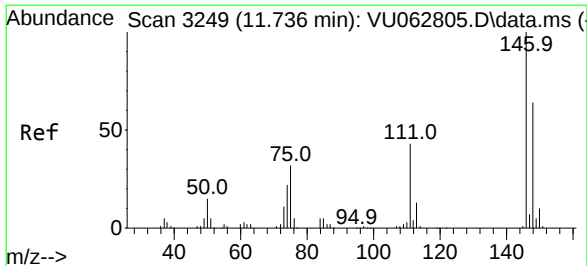
Tgt Ion:105 Resp: 135864
Ion Ratio Lower Upper
105 100
120 45.3 35.9 53.9



#63
1,2,4-Trimethylbenzene
Concen: 4.934 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

Tgt Ion:105 Resp: 134106
Ion Ratio Lower Upper
105 100
120 42.1 34.2 51.2





#64

1,3-Dichlorobenzene

Concen: 4.845 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU062830.D

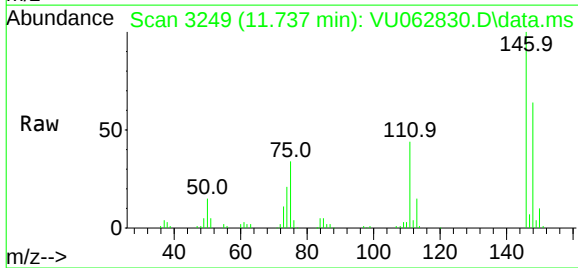
Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MS



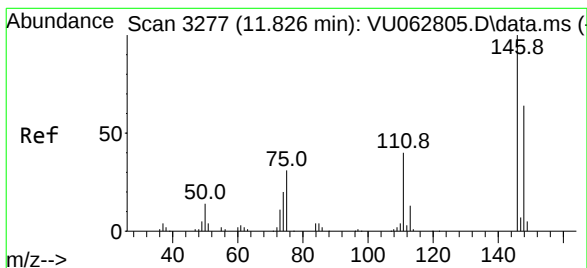
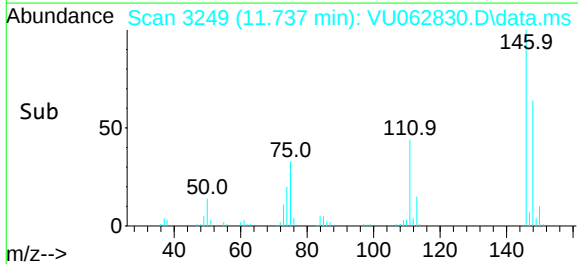
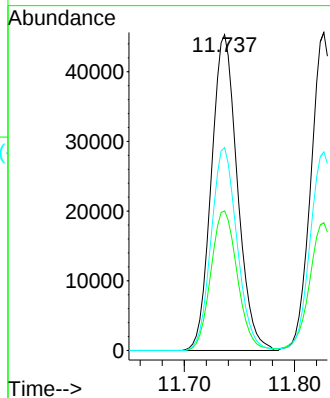
Tgt Ion:146 Resp: 74256

Ion Ratio Lower Upper

146 100

111 44.2 28.6 53.0

148 64.2 44.0 81.6



#65

1,4-Dichlorobenzene

Concen: 4.820 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

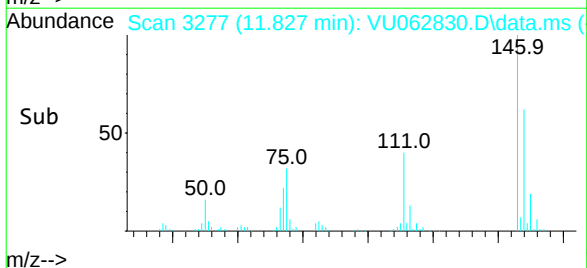
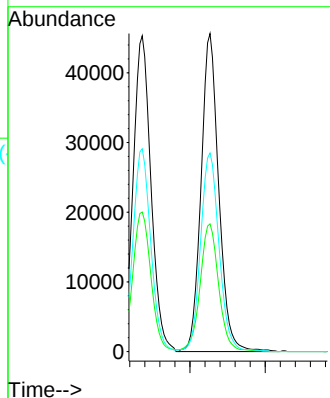
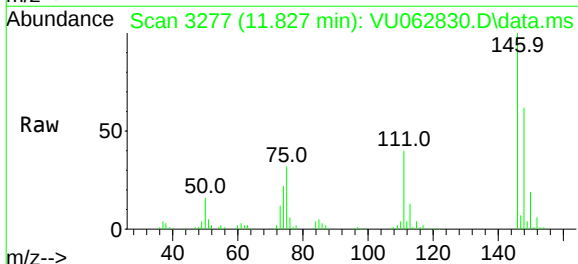
Tgt Ion:146 Resp: 74489

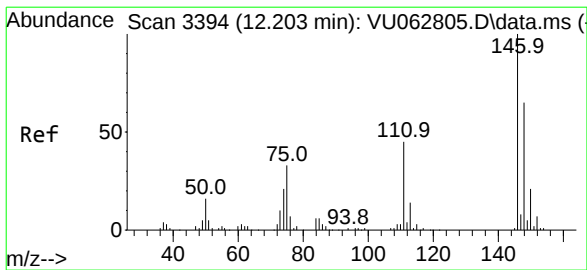
Ion Ratio Lower Upper

146 100

111 40.2 29.5 54.9

148 62.5 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 4.966 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MS

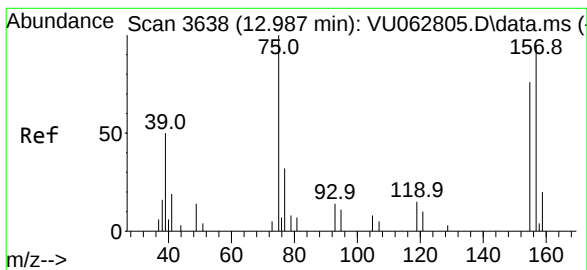
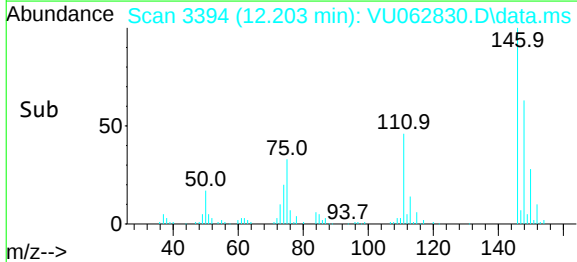
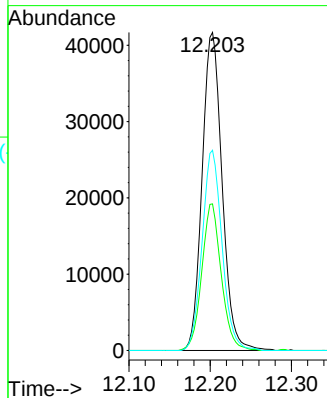
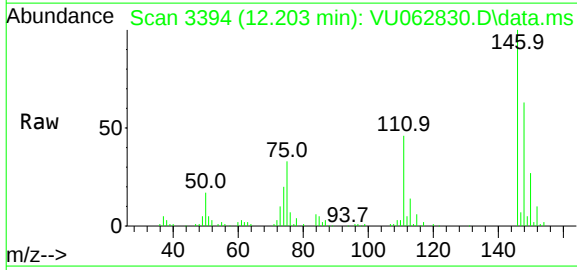
Tgt Ion:146 Resp: 71331

Ion Ratio Lower Upper

146 100

111 46.1 36.3 54.5

148 63.0 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.900 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

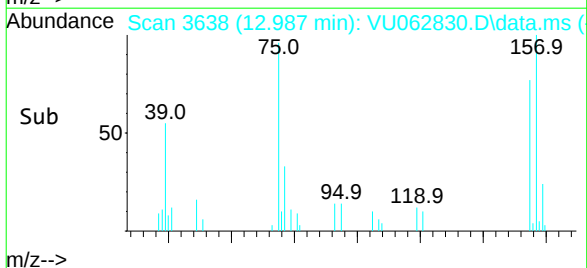
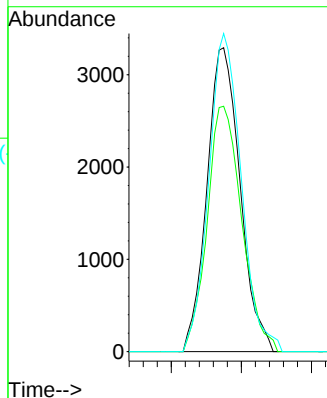
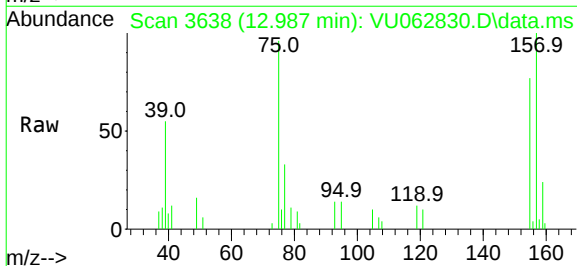
Tgt Ion: 75 Resp: 5401

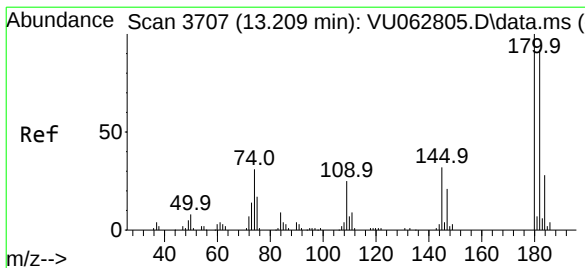
Ion Ratio Lower Upper

75 100

155 80.7 59.6 89.4

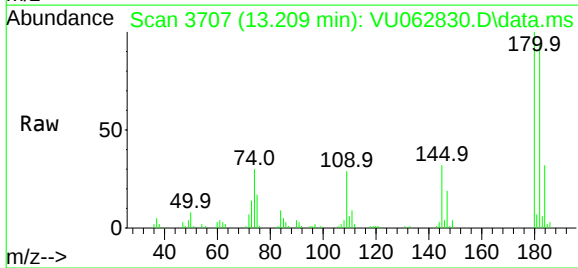
157 104.7 70.8 106.2



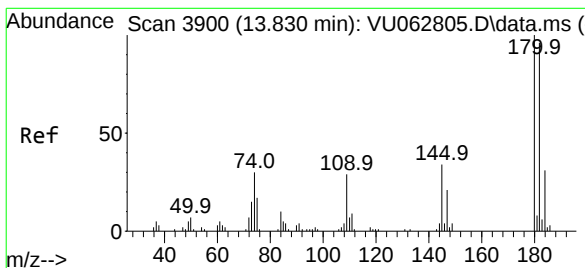
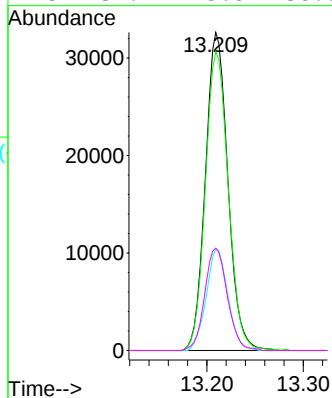
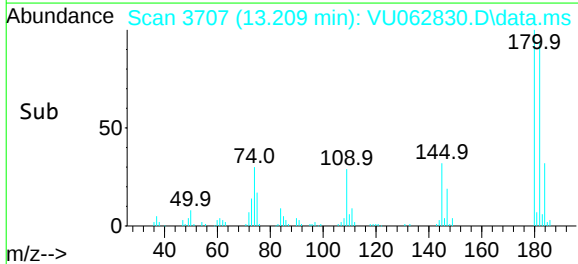


1,3,5-Trichlorobenzene
Concen: 4.573 ug/L
RT: 13.209 min Scan# 3707
Delta R.T. 0.000 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23

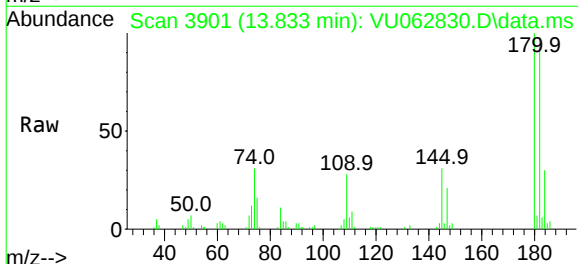
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MS



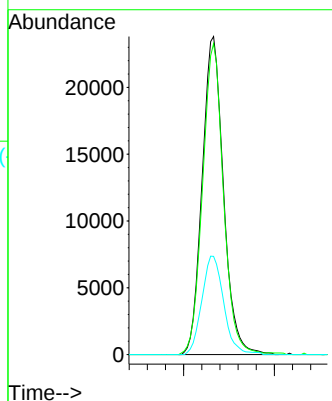
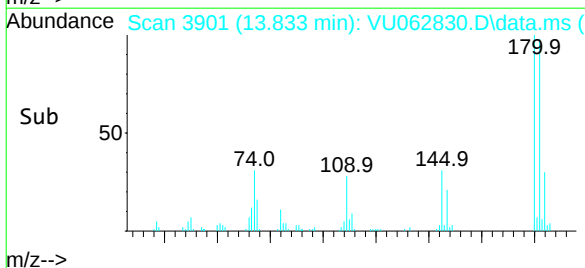
Tgt Ion:	180	Resp:	52783
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.8	113.8
184	30.9	24.7	37.1
145	32.4	25.8	38.6

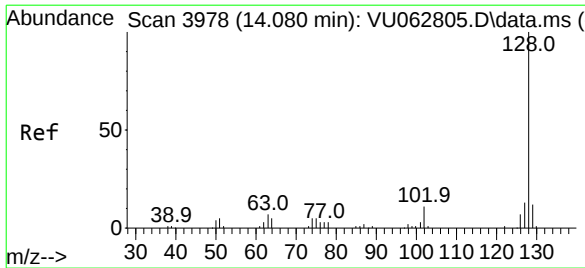


1,2,4-trichlorobenzene
Concen: 4.177 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.003 min
Lab File: VU062830.D
Acq: 16 Jan 2025 19:23



Tgt Ion:	180	Resp:	38833
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.1	115.7
145	31.8	26.9	40.3





#71

Naphthalene

Concen: 3.798 ug/L

RT: 14.081 min Scan# 39

Delta R.T. 0.000 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

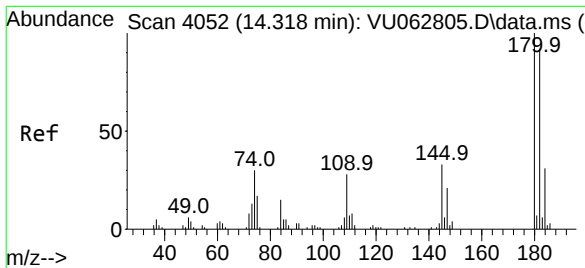
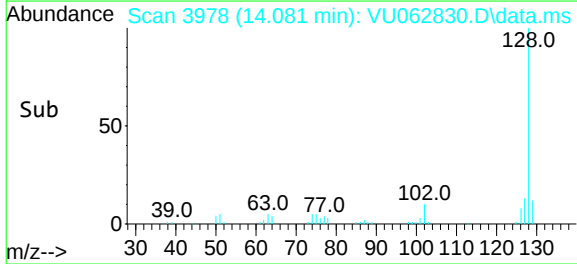
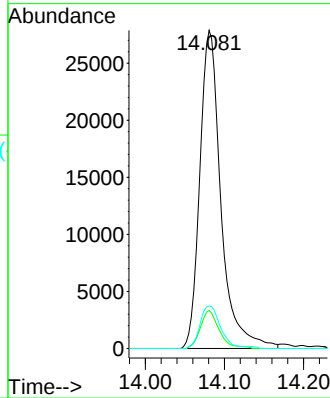
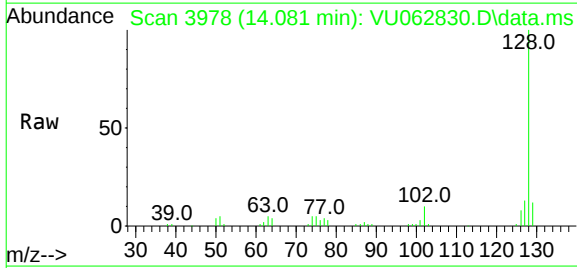
Instrument :

MSVOA_U

ClientSampleId :

GCQ87MS

Tgt Ion:	128	Resp:	51662
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.5	12.7
127	13.3	10.2	15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.082 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.003 min

Lab File: VU062830.D

Acq: 16 Jan 2025 19:23

Tgt Ion:	180	Resp:	33082
Ion Ratio	Lower	Upper	
180	100		
182	97.4	79.8	119.6
145	34.2	29.2	43.8

