

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062831.D
 Acq On : 16 Jan 2025 19:48
 Operator : MD/SY
 Sample : Q1072-05MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

Quant Time: Jan 16 22:10:10 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	96436	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	89544	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	47728	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22320	4.179	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.901	69	19247	4.480	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.554	65	11683	4.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.605	46	53147	48.687	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.380%
24) Chloroform-d	5.052	84	62539	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.689	65	34289	4.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.714	84	102101	4.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.679	67	27641	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.888	98	100629	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.171	79	14540	4.806	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.621	63	45575	47.901	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.800%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	24655	4.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	37937	4.778	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	44290	4.821	ug/L	99
3) Chloromethane	1.518	50	25923	4.205	ug/L	97
5) Vinyl chloride	1.599	62	30186	4.348	ug/L	95
6) Bromomethane	1.843	94	13007	2.575	ug/L	94
8) Chloroethane	1.923	64	20607	4.941	ug/L	99
9) Trichlorofluoromethane	2.129	101	69957	4.995	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	33029	4.882	ug/L	98
12) 1,1-Dichloroethene	2.570	96	29670	4.956	ug/L	95
13) Acetone	2.611	43	43041	49.773	ug/L	100
14) Carbon disulfide	2.782	76	83710	4.378	ug/L	97
15) Methyl Acetate	2.939	43	8788	4.694	ug/L	97
16) Methylene chloride	3.029	84	31943	4.871	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	85562	5.200	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	30552	4.764	ug/L	95
19) 1,1-Dichloroethane	3.853	63	57819	5.042	ug/L	99
21) 2-Butanone	4.685	43	60141	52.221	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	37450	5.362	ug/L	97
23) Bromochloromethane	4.959	128	16672	5.056	ug/L	94
25) Chloroform	5.074	83	68858	4.879	ug/L	99

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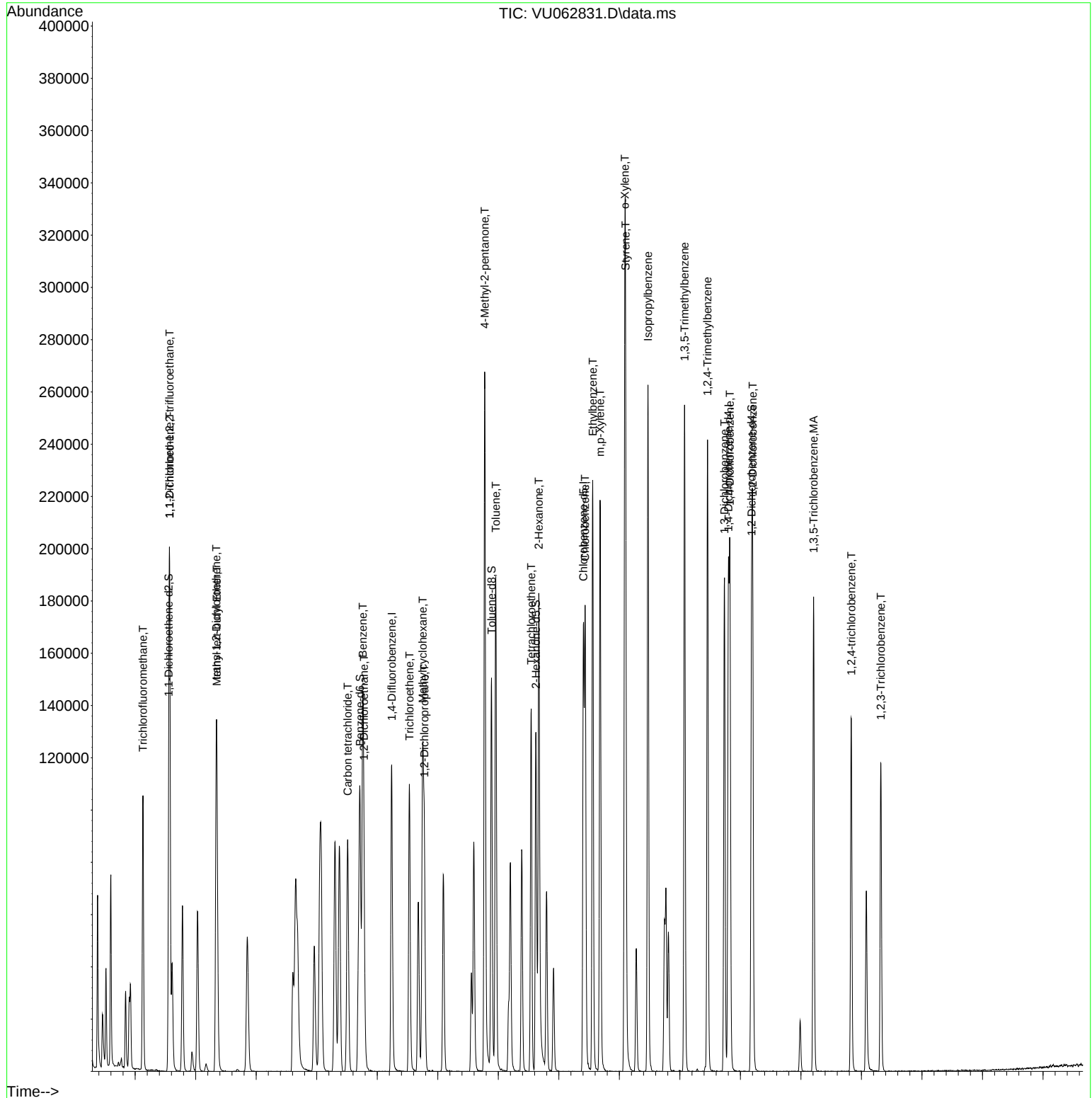
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	46989	5.092	ug/L	98
29) 1,1,1-Trichloroethane	5.299	97	68780	5.064	ug/L	99
30) Cyclohexane	5.373	56	40462	4.562	ug/L	92
31) Carbon tetrachloride	5.512	117	63223	5.065	ug/L	98
33) Benzene	5.759	78	125971	4.896	ug/L	100
34) Trichloroethene	6.531	95	37997	4.324	ug/L	97
35) Methylcyclohexane	6.750	83	49965	4.620	ug/L	97
37) 1,2-Dichloropropane	6.778	63	30077	4.956	ug/L	99
38) Bromodichloromethane	7.090	83	50237	5.147	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	52418	5.073	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	148341	52.325	ug/L	99
42) Toluene	7.958	91	140923	4.999	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	48089	5.399	ug/L	98
45) 1,1,2-Trichloroethane	8.386	97	26893	5.456	ug/L	90
47) Tetrachloroethene	8.544	164	31000	5.121	ug/L	91
48) 2-Hexanone	8.669	43	102978	50.525	ug/L	98
49) Dibromochloromethane	8.798	129	35897	5.424	ug/L	98
50) 1,2-Dibromoethane	8.913	107	25580	5.424	ug/L	100
51) Chlorobenzene	9.434	112	95011	5.154	ug/L	98
52) Ethylbenzene	9.560	91	162251	5.072	ug/L	99
53) m,p-Xylene	9.682	106	60961	5.095	ug/L	100
54) o-Xylene	10.090	106	60464	5.276	ug/L	99
55) Styrene	10.103	104	99934	5.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.769	83	29781	5.386	ug/L	97
59) Bromoform	10.280	173	22227	5.339	ug/L	97
60) Isopropylbenzene	10.473	105	166627	5.066	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	22002	5.197	ug/L	97
62) 1,3,5-Trimethylbenzene	11.077	105	143556	5.135	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	138351	5.116	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	77625	5.091	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	78017	5.074	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	73220	5.124	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	5692	5.190	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.209	180	56650	4.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	41783	4.518	ug/L	99
71) Naphthalene	14.080	128	62894	4.647	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	36955	4.584	ug/L	97

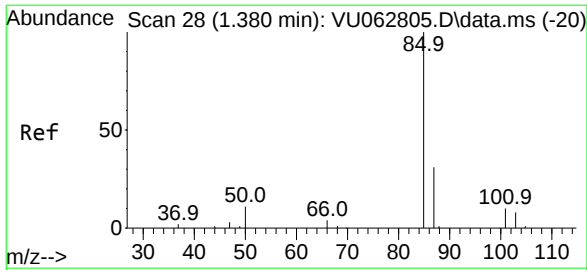
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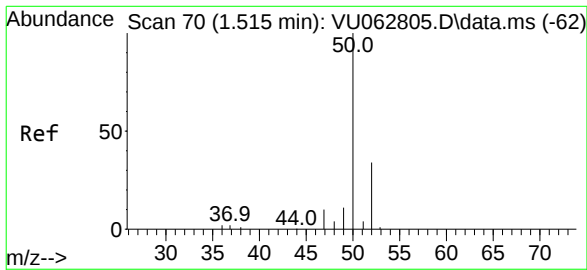
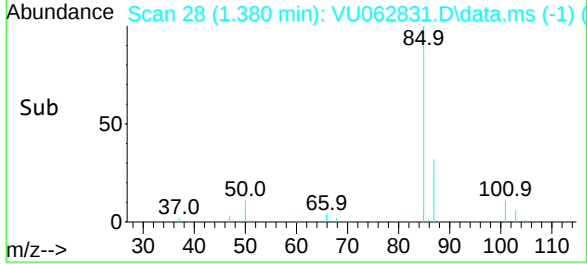
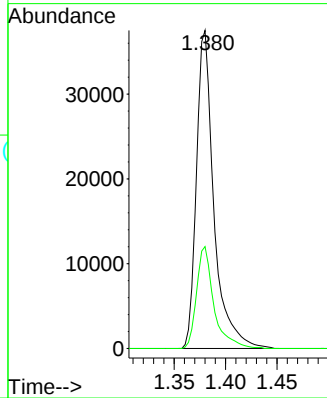
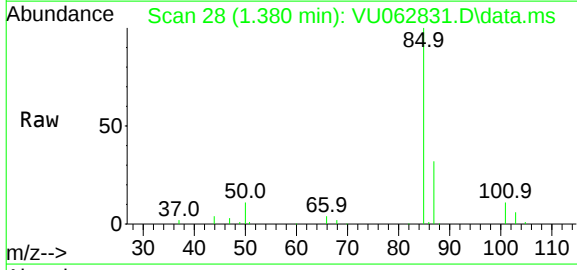




#2
 Dichlorodifluoromethane
 Concen: 4.821 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

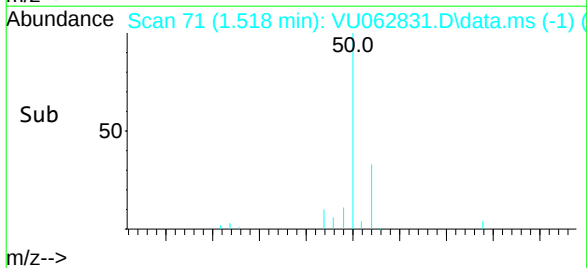
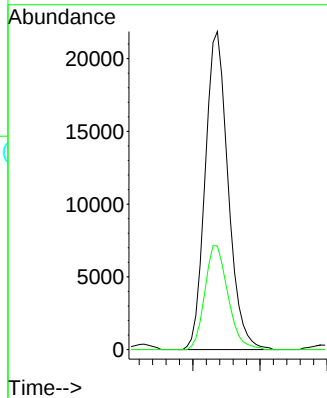
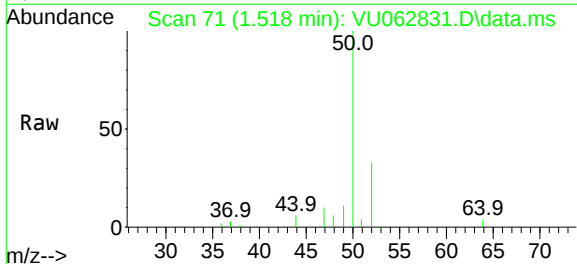
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 ClientSampleId :
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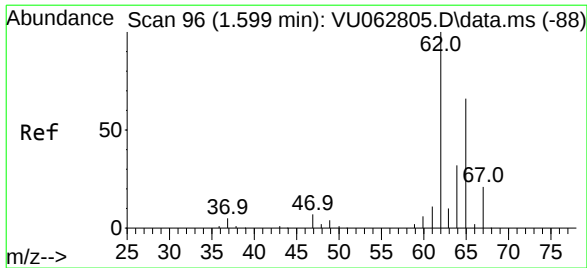
Tgt Ion: 85 Resp: 44290
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.1 39.1



#3
 Chloromethane
 Concen: 4.205 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Tgt Ion: 50 Resp: 25923
 Ion Ratio Lower Upper
 50 100
 52 32.6 24.1 44.7

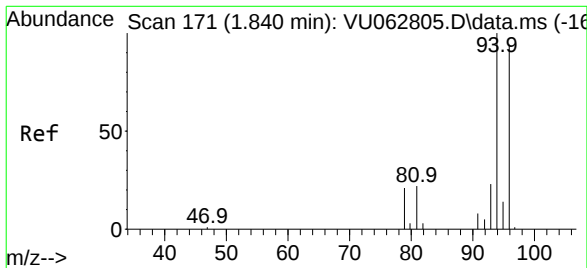
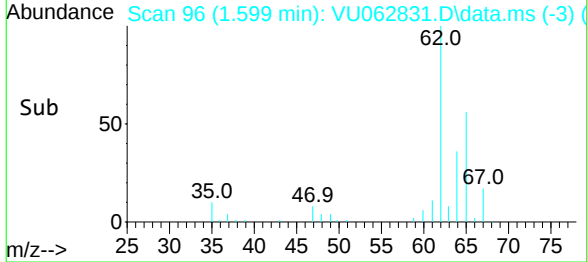
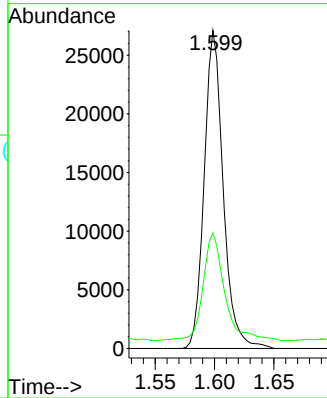
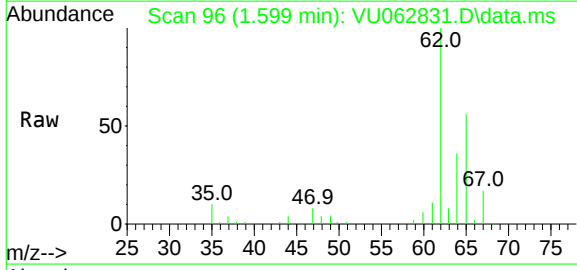




#5
 Vinyl chloride
 Concen: 4.348 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

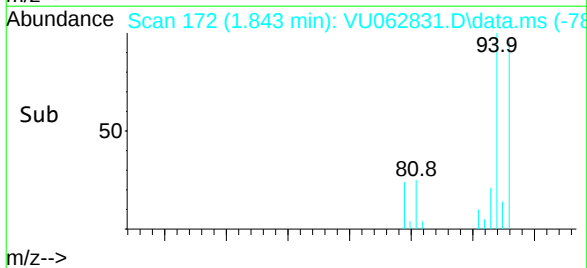
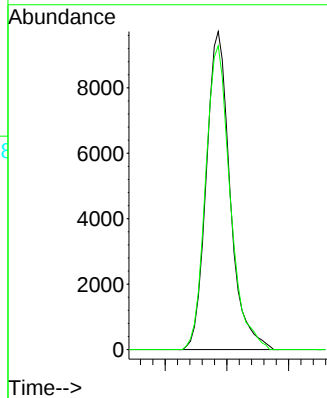
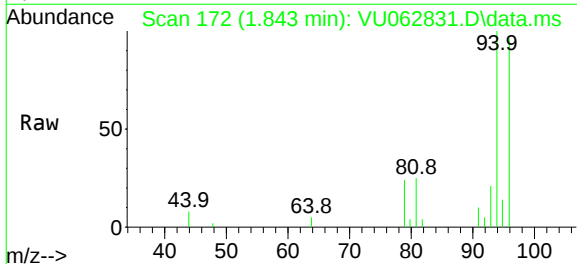
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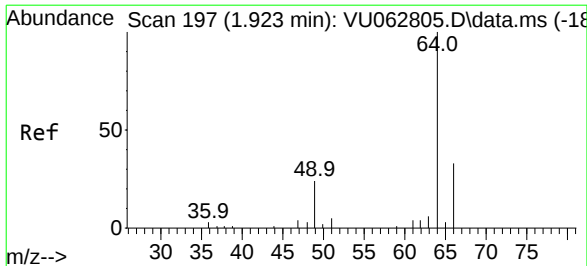
Tgt Ion: 62 Resp: 30186
 Ion Ratio Lower Upper
 62 100
 64 36.2 23.4 43.4



#6
 Bromomethane
 Concen: 2.575 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Tgt Ion: 94 Resp: 13007
 Ion Ratio Lower Upper
 94 100
 96 95.5 62.9 116.7

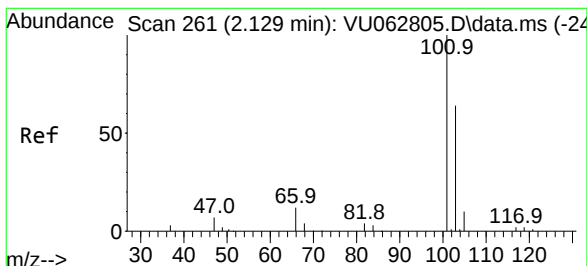
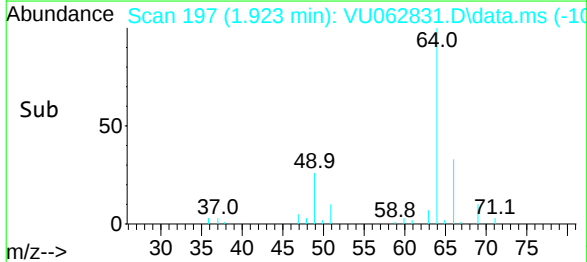
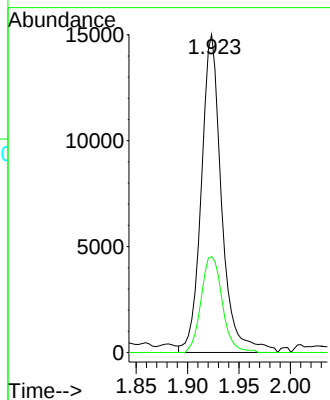
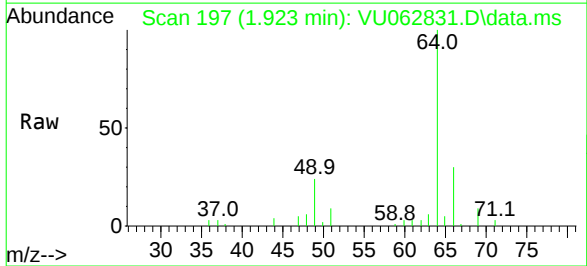




#8
Chloroethane
Concen: 4.941 ug/L
RT: 1.923 min Scan# 19
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

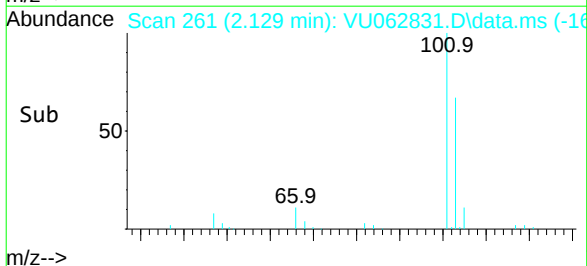
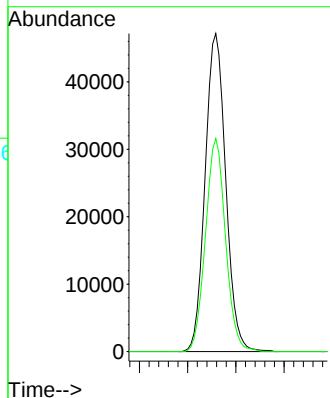
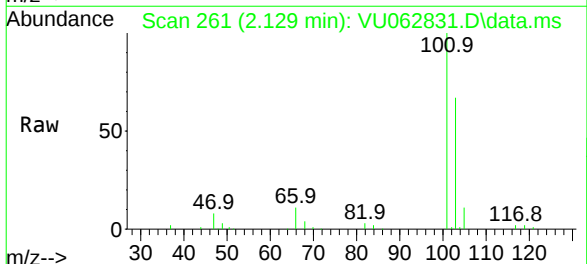
Instrument :
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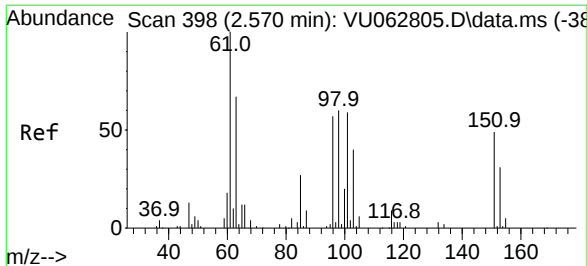
Tgt Ion: 64 Resp: 20607
Ion Ratio Lower Upper
64 100
66 30.1 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.995 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion: 101 Resp: 69957
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0

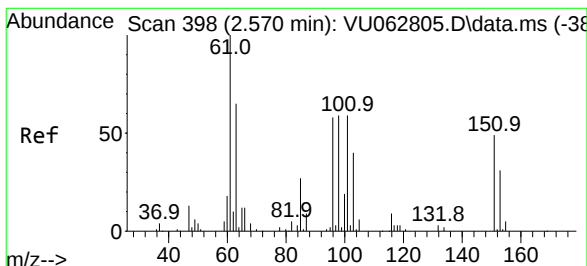
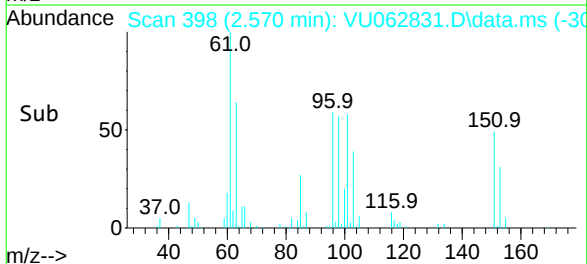
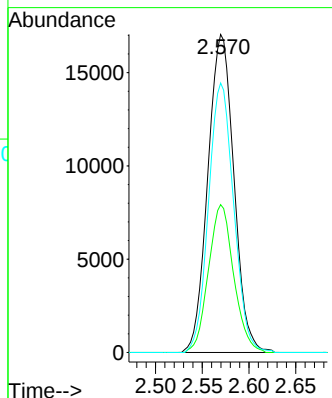
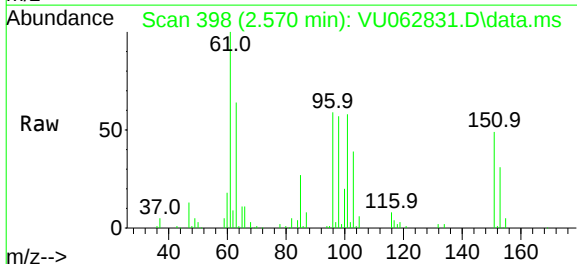




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.882 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062831.D
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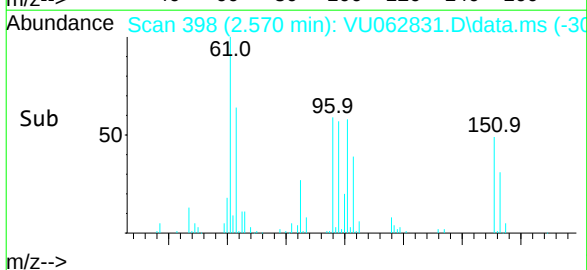
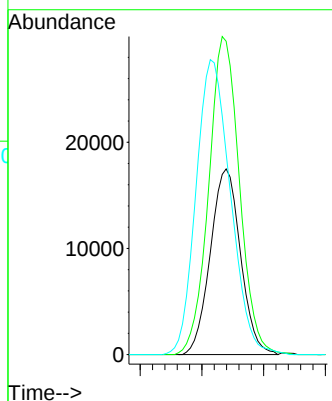
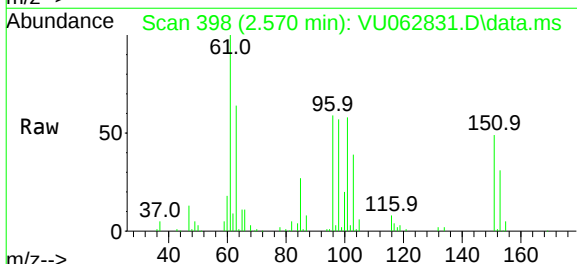
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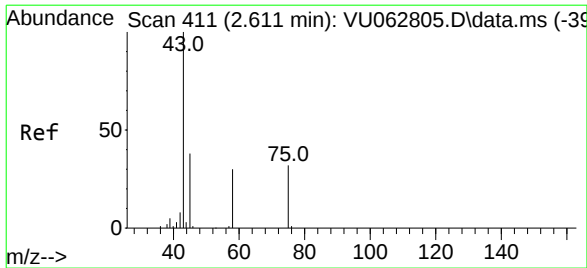
Tgt Ion:	101	Resp:	33029
Ion	Ratio	Lower	Upper
101	100		
85	45.0	37.0	55.6
151	81.9	64.4	96.6



#12
1,1-Dichloroethene
Concen: 4.956 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	96	Resp:	29670
Ion	Ratio	Lower	Upper
96	100		
61	168.8	120.4	223.6
63	108.3	82.3	152.9





#13

Acetone

Concen: 49.773 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU062831.D

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Instrument :

MSVOA_U

ClientSampleId :

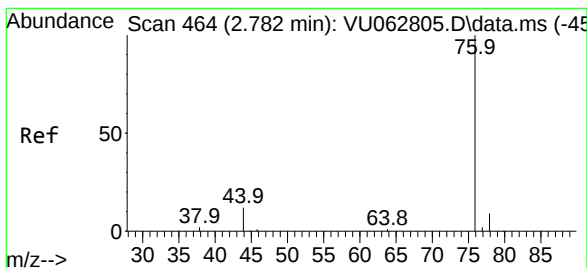
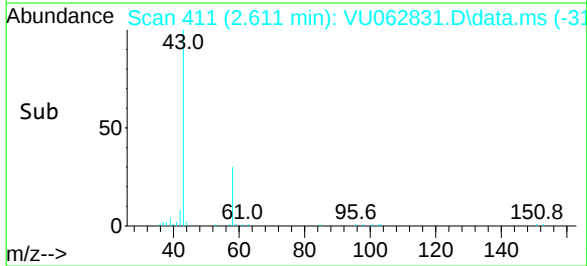
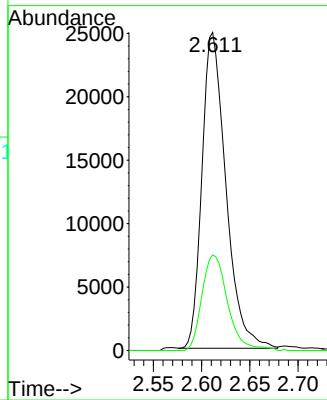
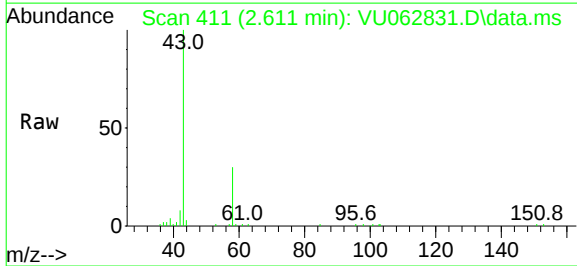
GCQ87MSD

Tgt Ion: 43 Resp: 43041

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



#14

Carbon disulfide

Concen: 4.378 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

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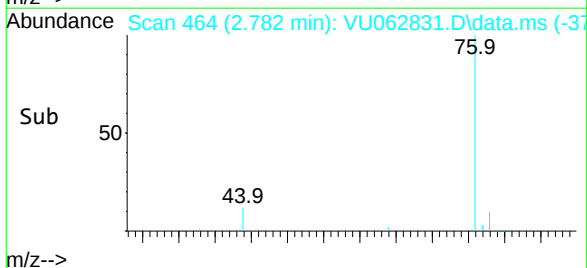
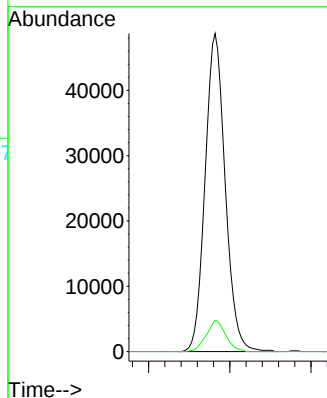
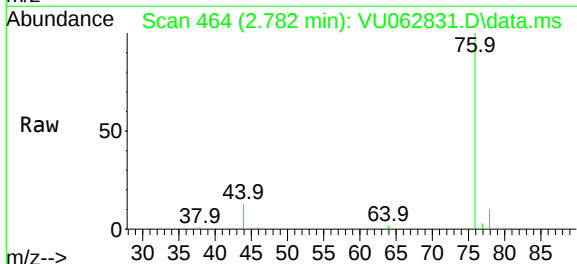
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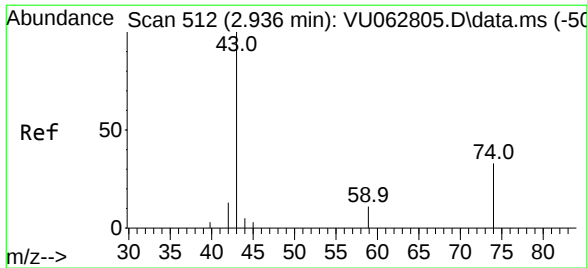
Tgt Ion: 76 Resp: 83710

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6

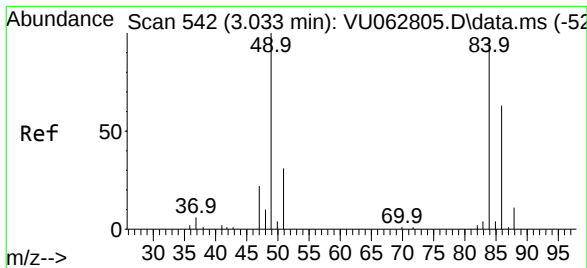
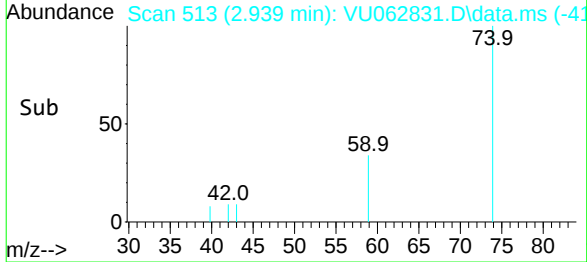
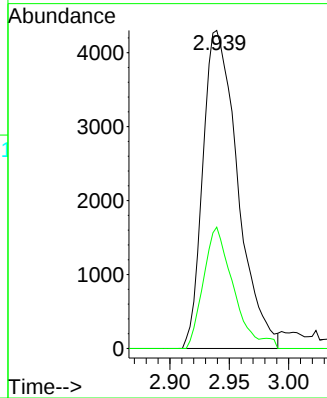
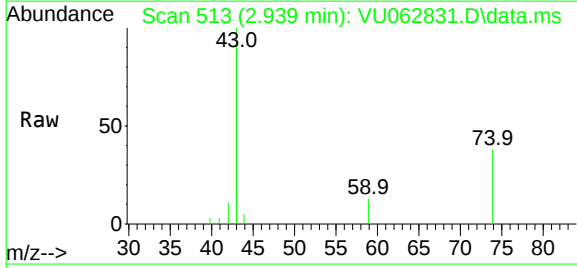




#15
Methyl Acetate
Concen: 4.694 ug/L
RT: 2.939 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

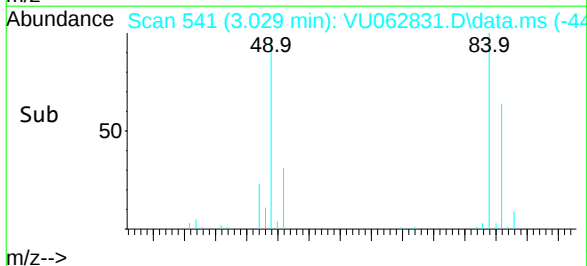
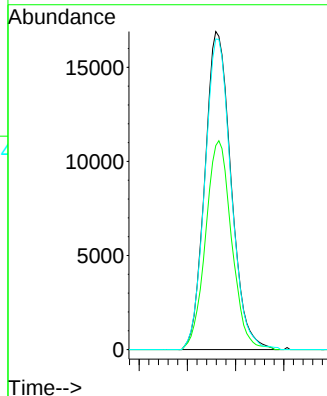
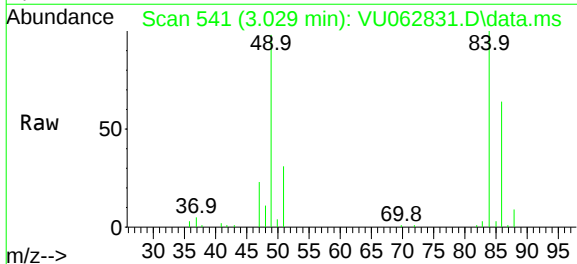
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

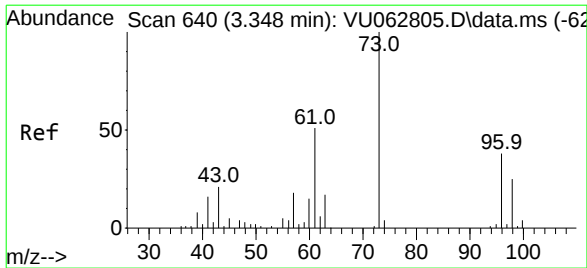
Tgt Ion: 43 Resp: 8788
Ion Ratio Lower Upper
43 100
74 32.0 24.4 36.6



#16
Methylene chloride
Concen: 4.871 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion: 84 Resp: 31943
Ion Ratio Lower Upper
84 100
86 64.1 44.7 83.1
49 97.7 68.3 126.9

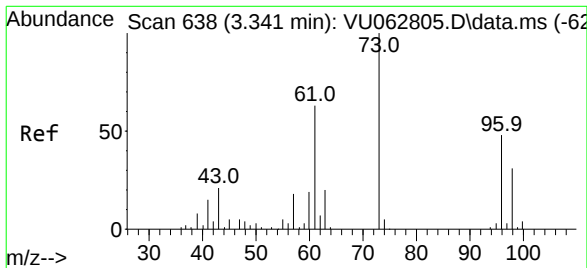
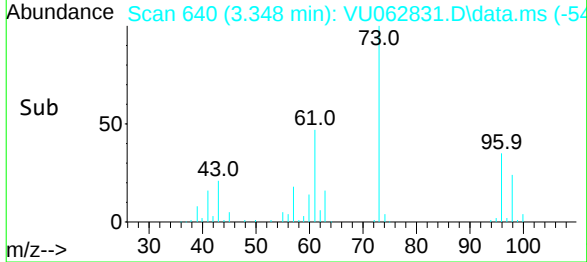
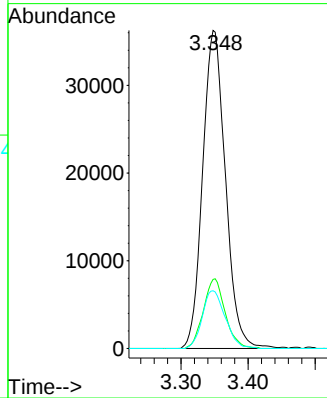
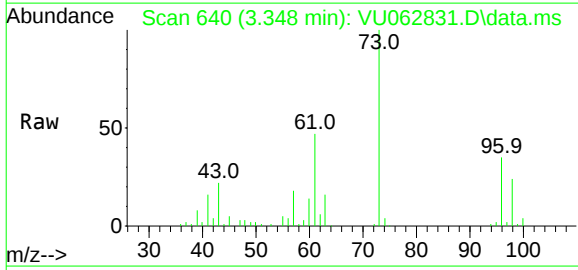




#17
Methyl tert-butyl Ether
Concen: 5.200 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

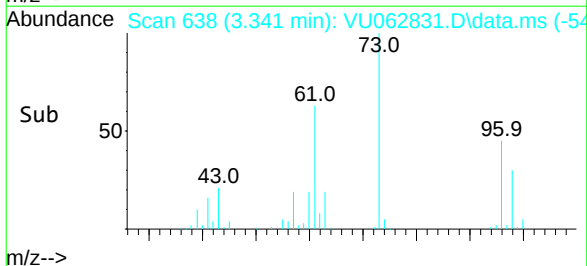
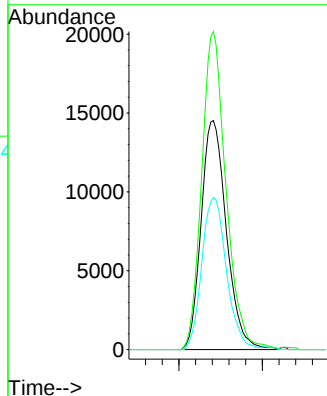
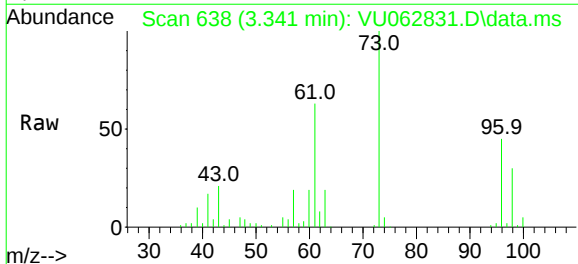
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

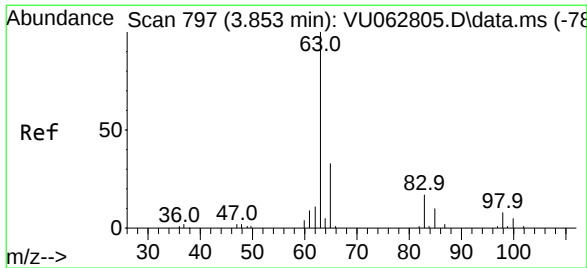
Tgt Ion:	73	Resp:	85562
Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.2	24.4
57	18.3	14.6	22.0



#18
trans-1,2-Dichloroethene
Concen: 4.764 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	96	Resp:	30552
Ion	Ratio	Lower	Upper
96	100		
61	138.9	94.4	175.2
98	66.4	42.8	79.4

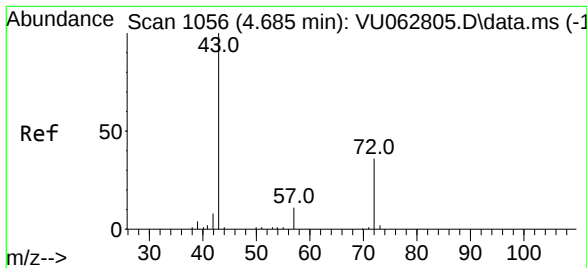
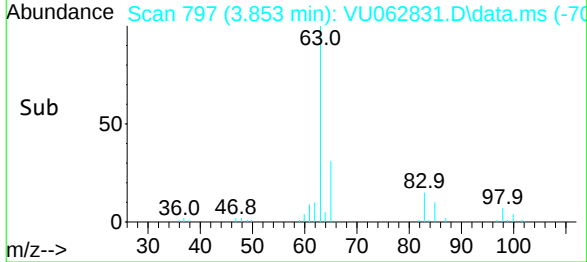
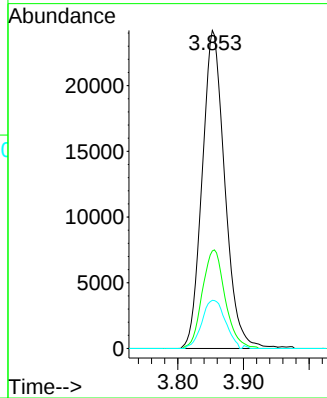
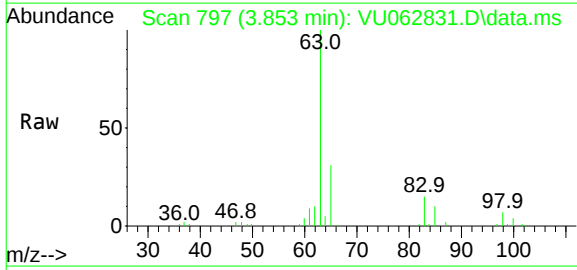




#19
1,1-Dichloroethane
Concen: 5.042 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

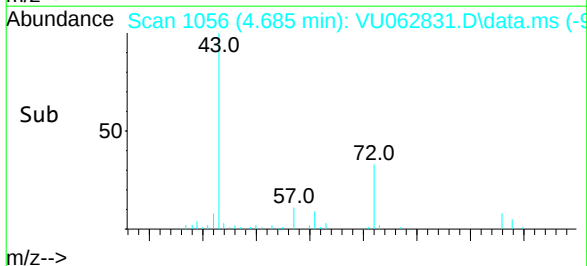
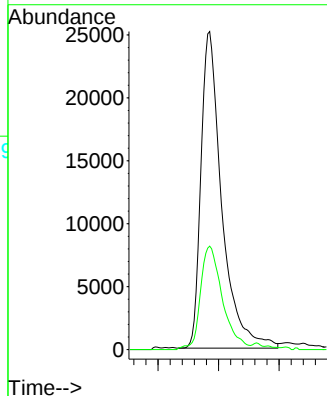
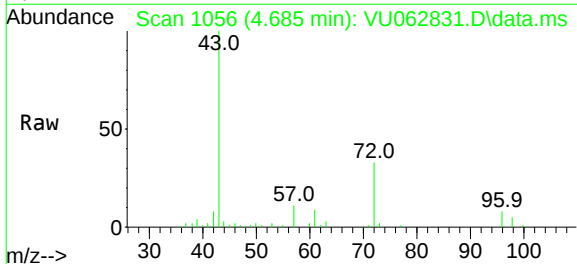
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

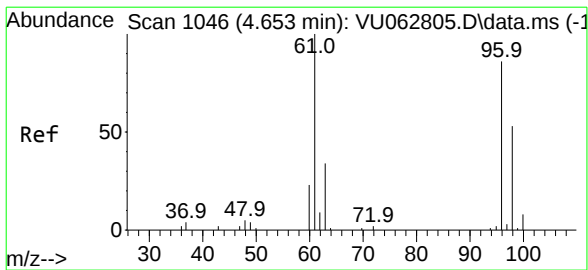
Tgt Ion:	63	Resp:	57819
Ion	Ratio	Lower	Upper
63	100		
65	30.7	20.7	38.5
83	15.1	10.5	19.5



#21
2-Butanone
Concen: 52.221 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	43	Resp:	60141
Ion	Ratio	Lower	Upper
43	100		
72	34.5	17.1	51.2

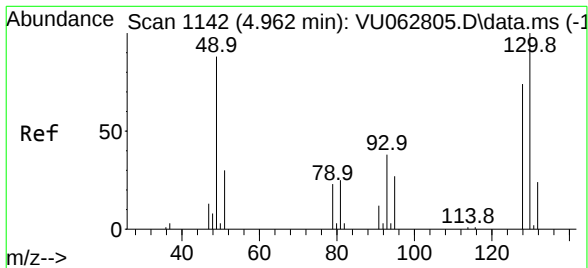
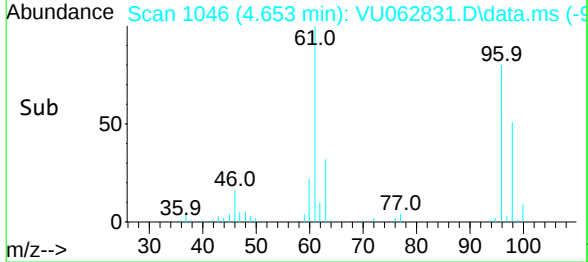
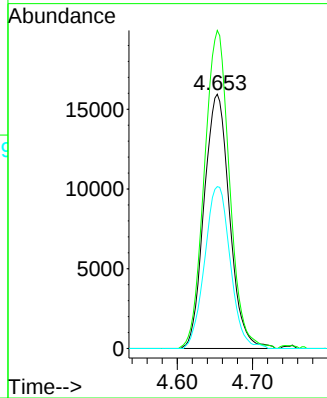
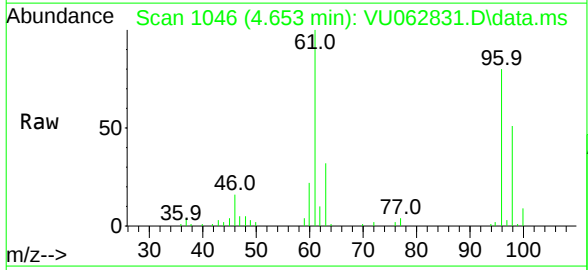




#22
cis-1,2-Dichloroethene
Concen: 5.362 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

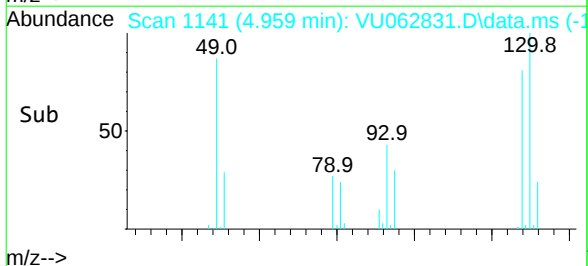
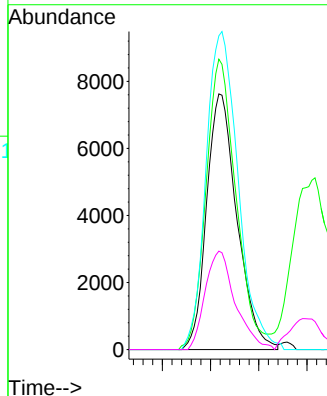
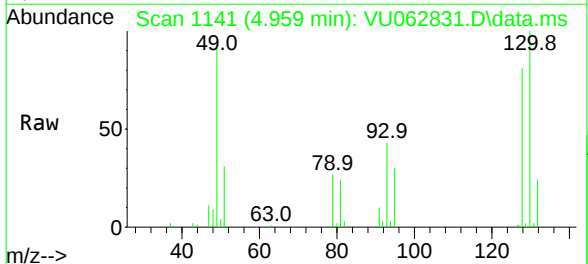
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

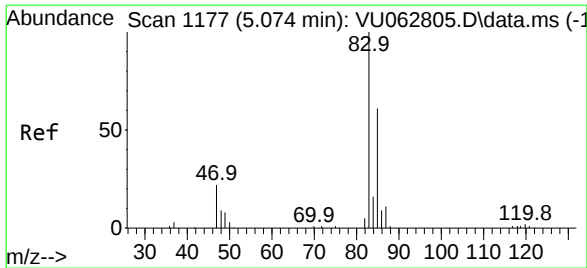
Tgt Ion:	96	Resp:	37450
Ion	Ratio	Lower	Upper
96	100		
61	125.1	84.8	157.6
98	63.7	43.1	80.1



#23
Bromochloromethane
Concen: 5.056 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	128	Resp:	16672
Ion	Ratio	Lower	Upper
128	100		
49	113.6	81.1	150.7
130	122.7	94.9	176.3
51	38.5	30.6	46.0

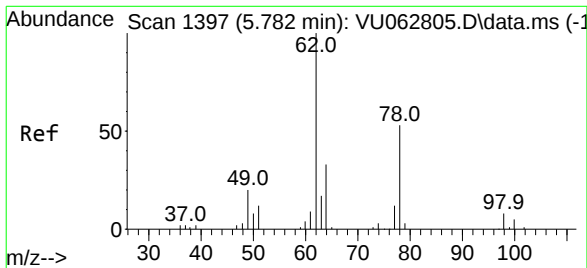
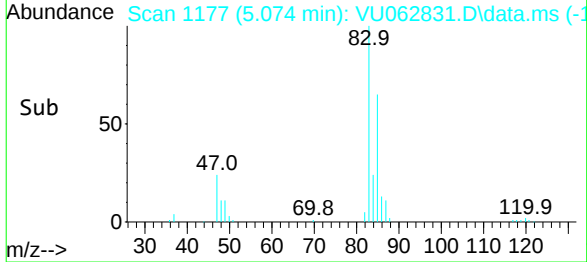
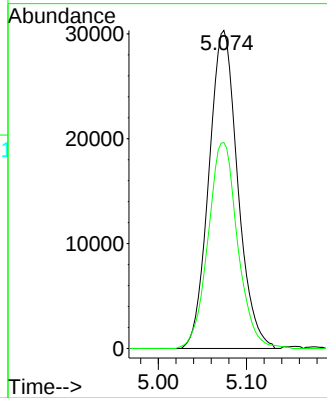
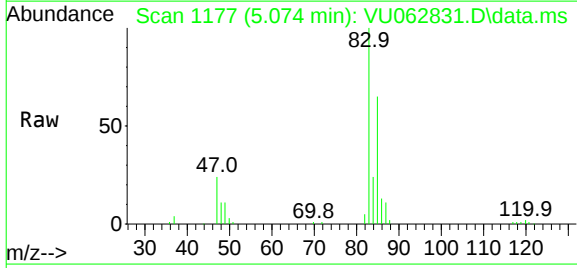




#25
Chloroform
Concen: 4.879 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

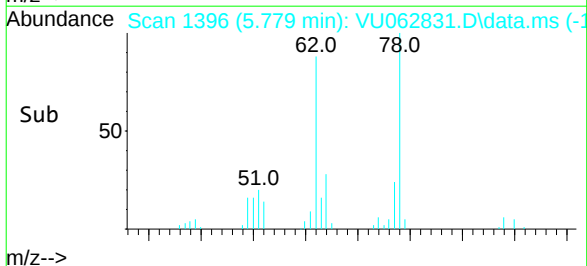
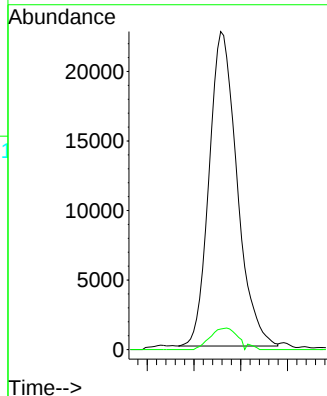
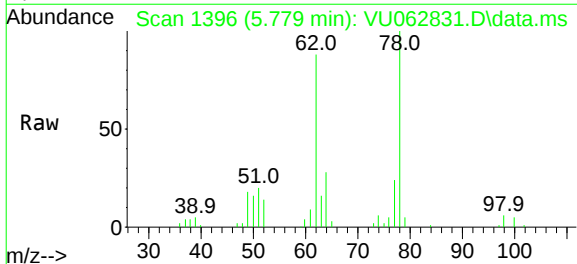
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

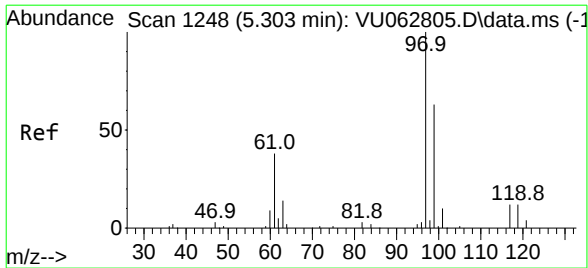
Tgt Ion: 83 Resp: 68858
Ion Ratio Lower Upper
83 100
85 64.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.092 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion: 62 Resp: 46989
Ion Ratio Lower Upper
62 100
98 6.5 5.8 8.6

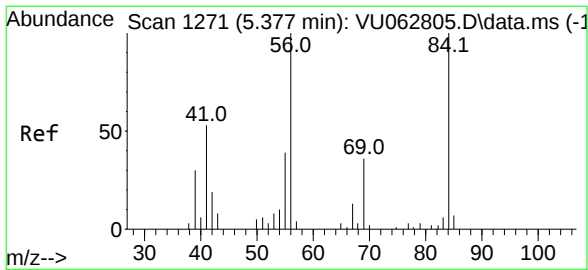
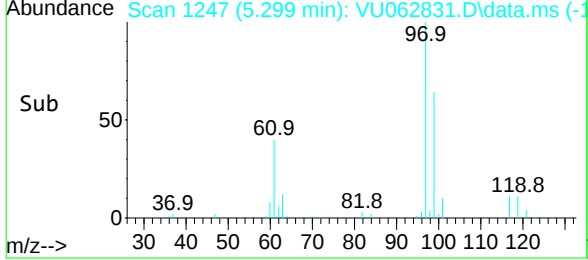
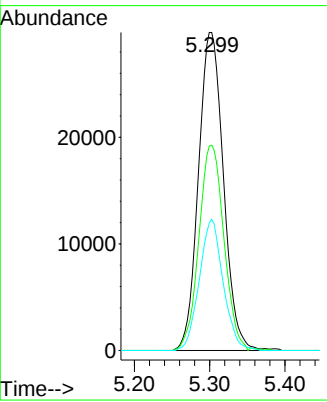
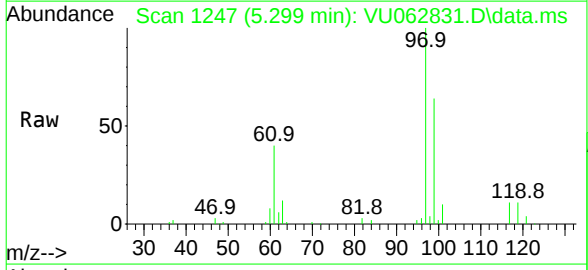




#29
 1,1,1-Trichloroethane
 Concen: 5.064 ug/L
 RT: 5.299 min Scan# 1270
 Delta R.T. -0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

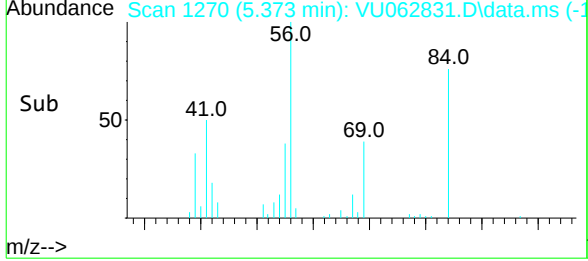
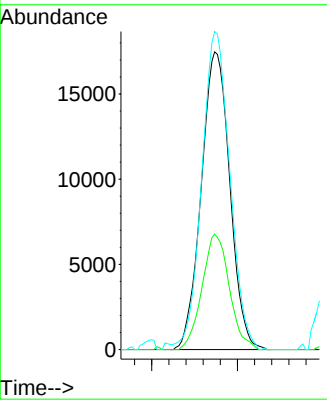
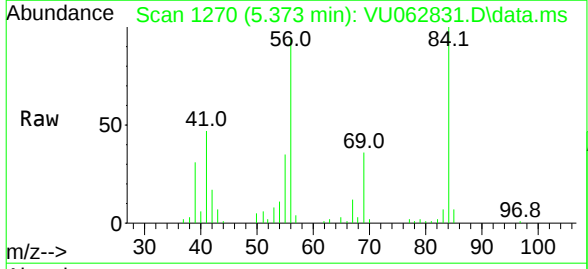
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

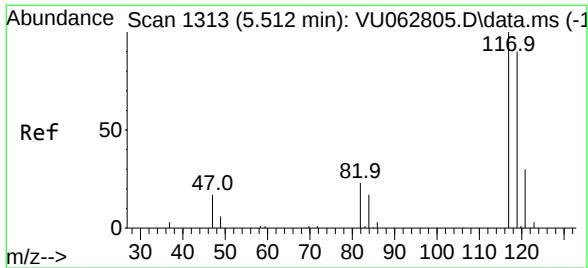
Tgt Ion:	97	Resp:	68780
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	39.3	32.2	48.4



#30
 Cyclohexane
 Concen: 4.562 ug/L
 RT: 5.373 min Scan# 1270
 Delta R.T. -0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

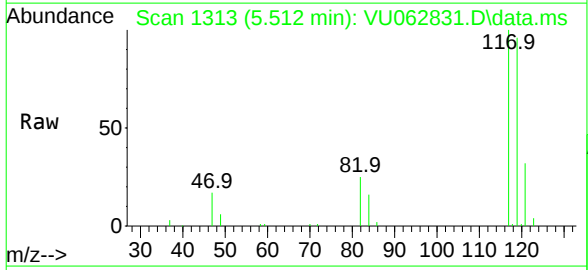
Tgt Ion:	56	Resp:	40462
Ion	Ratio	Lower	Upper
56	100		
69	37.0	28.3	42.5
84	104.9	76.5	114.7



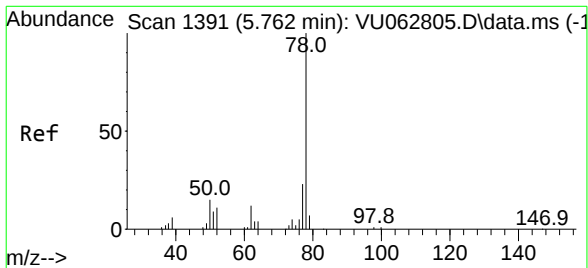
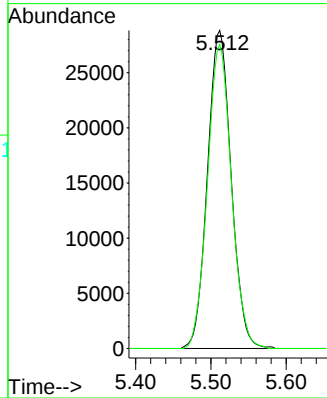
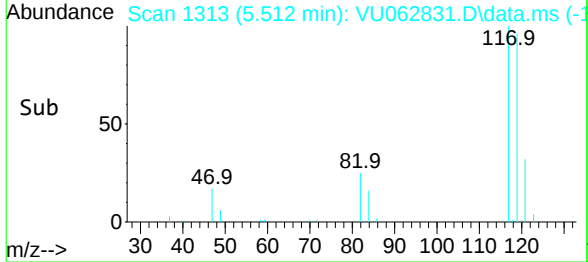


#31
Carbon tetrachloride
Concen: 5.065 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

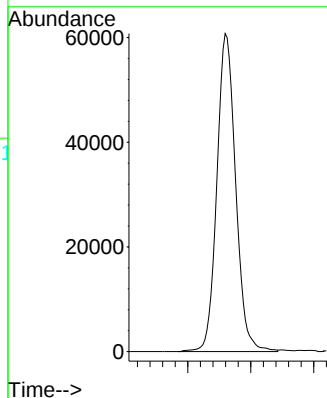
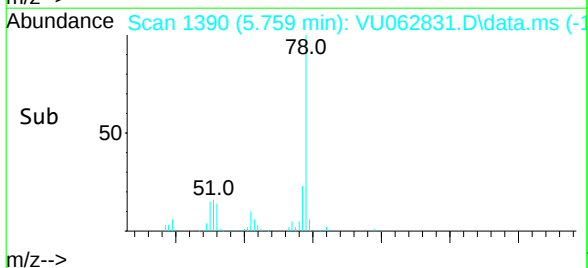
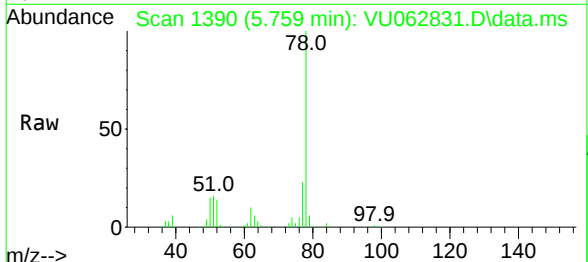


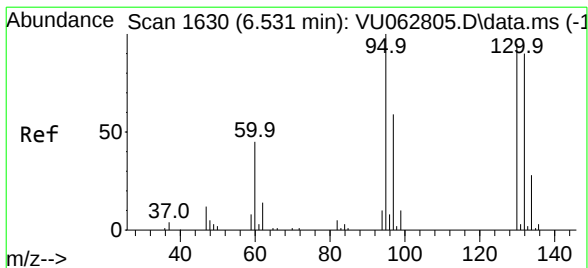
Tgt Ion:117 Resp: 63223
Ion Ratio Lower Upper
117 100
119 96.6 78.6 118.0



#33
Benzene
Concen: 4.896 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion: 78 Resp: 125971





#34

Trichloroethene

Concen: 4.324 ug/L

RT: 6.531 min Scan# 16

Delta R.T. 0.000 min

Lab File: VU062831.D

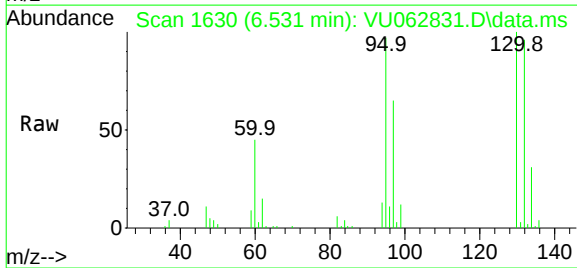
Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD



Tgt Ion: 95 Resp: 37997

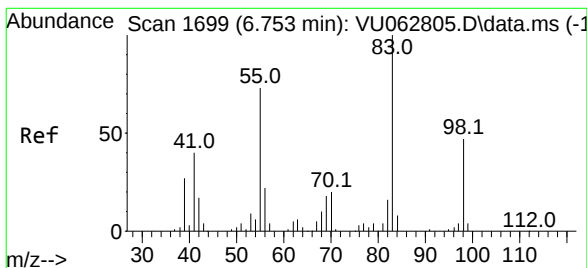
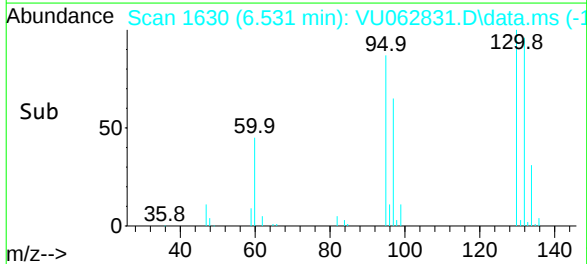
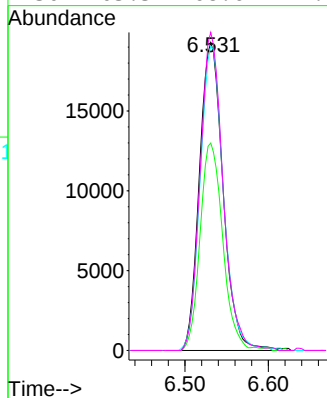
Ion Ratio Lower Upper

95 100

97 67.4 47.5 88.3

132 98.8 66.9 124.3

130 103.3 68.6 127.4



#35

Methylcyclohexane

Concen: 4.620 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

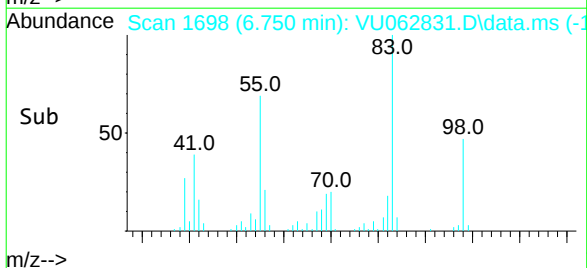
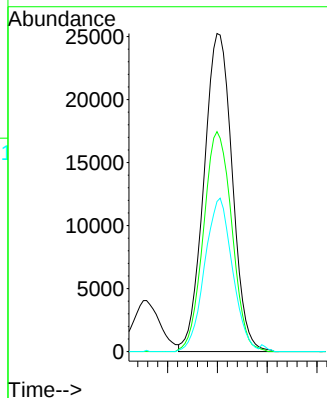
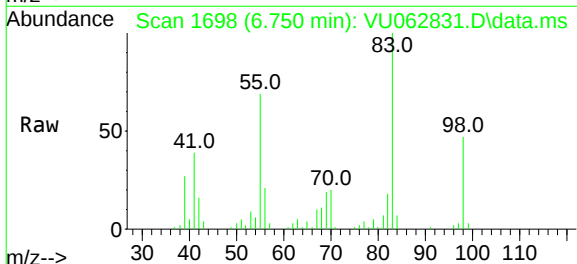
Tgt Ion: 83 Resp: 49965

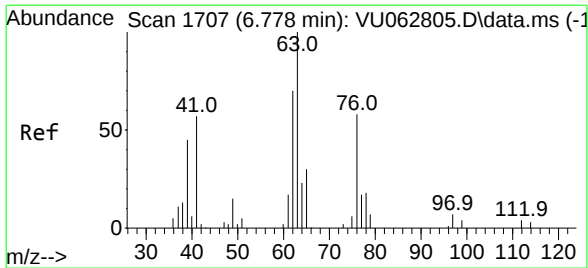
Ion Ratio Lower Upper

83 100

55 69.3 57.2 85.8

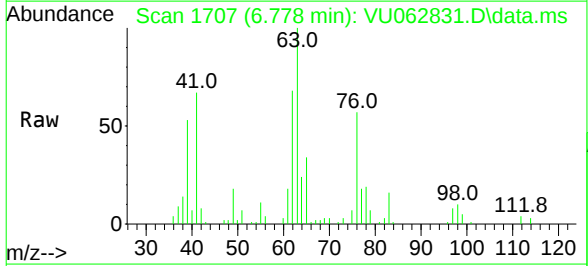
98 47.3 36.6 55.0



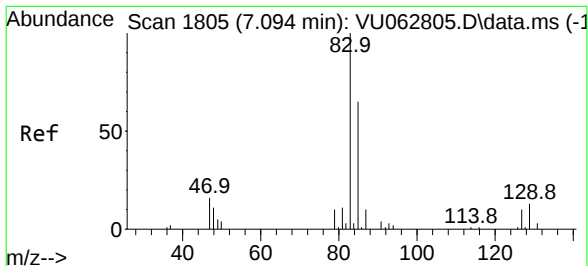
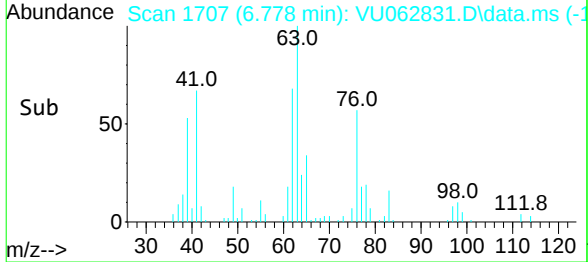
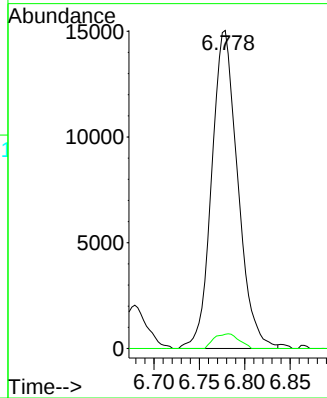


#37
 1,2-Dichloropropane
 Concen: 4.956 ug/L
 RT: 6.778 min Scan# 1707
 Delta R.T. 0.000 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

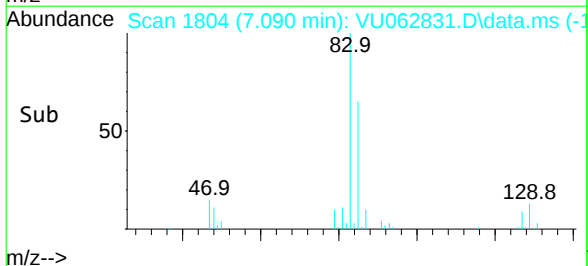
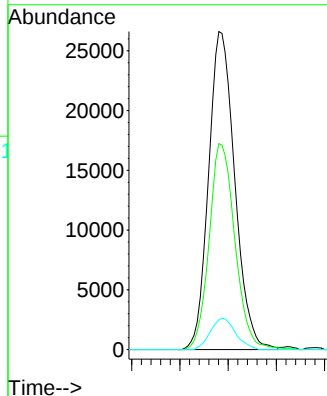
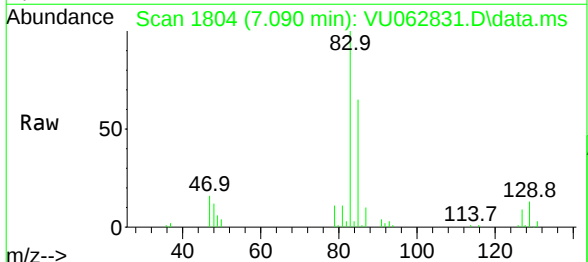


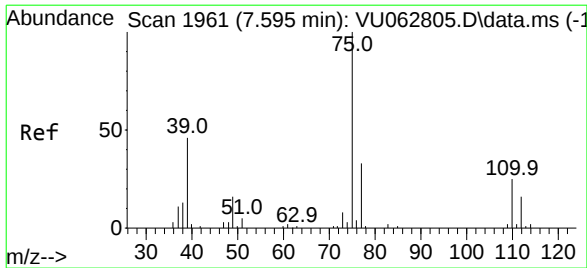
Tgt Ion: 63 Resp: 30077
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.147 ug/L
 RT: 7.090 min Scan# 1804
 Delta R.T. -0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Tgt Ion: 83 Resp: 50237
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.2 82.0
 127 9.3 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 7.595 min Scan# 19

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

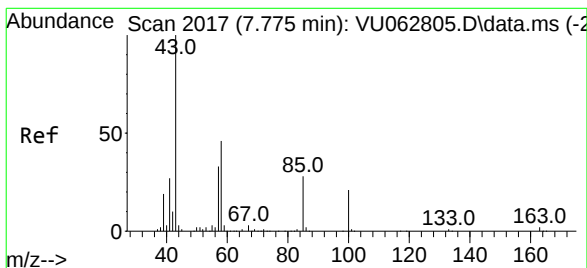
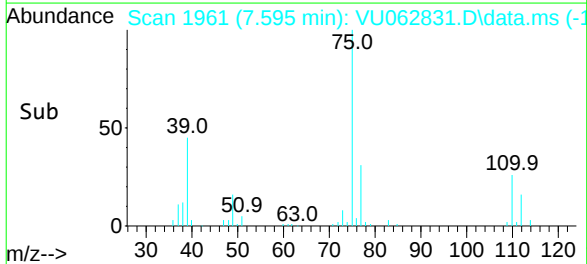
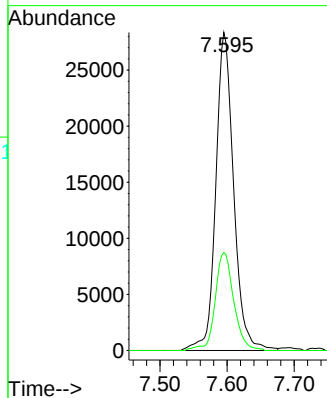
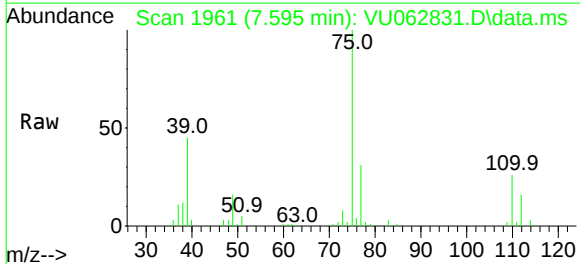
GCQ87MSD

Tgt Ion: 75 Resp: 52418

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 52.325 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

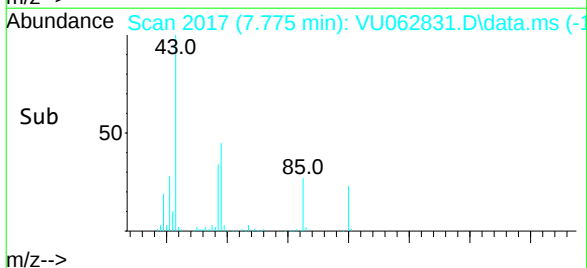
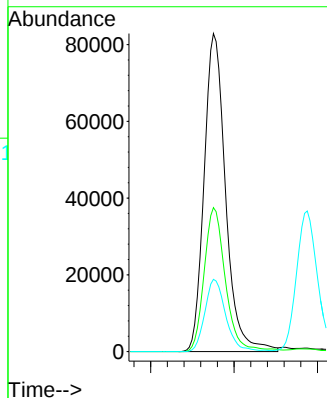
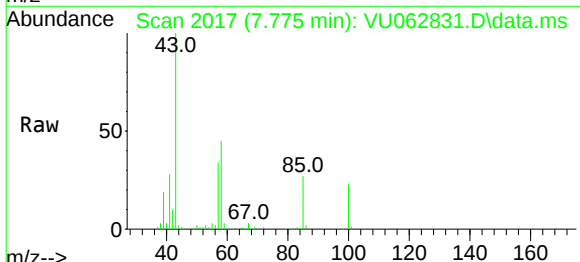
Tgt Ion: 43 Resp: 148341

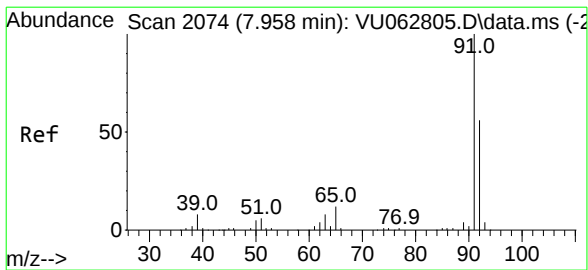
Ion Ratio Lower Upper

43 100

58 44.5 35.8 53.8

100 22.1 16.8 25.2





#42

Toluene

Concen: 4.999 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU062831.D

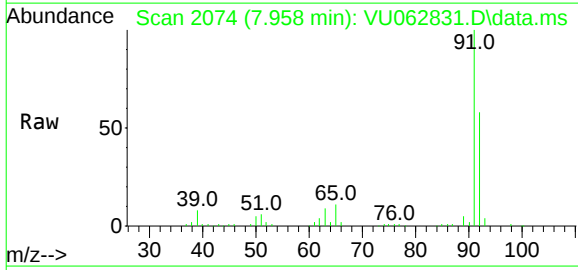
Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD

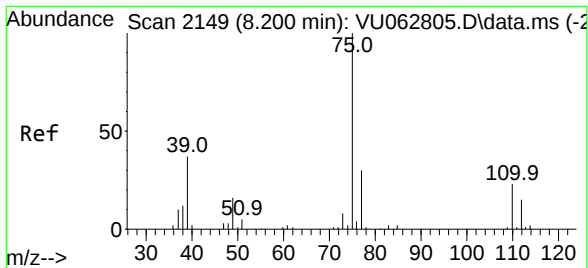
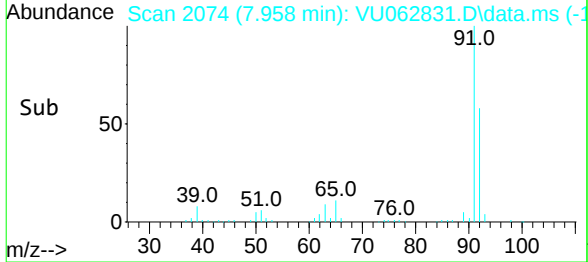
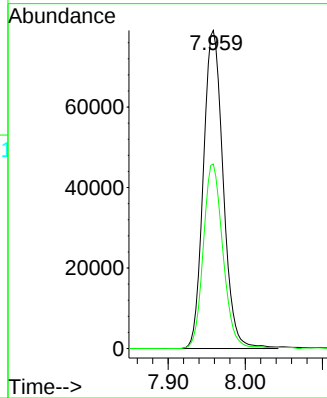


Tgt Ion: 91 Resp: 140923

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.399 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU062831.D

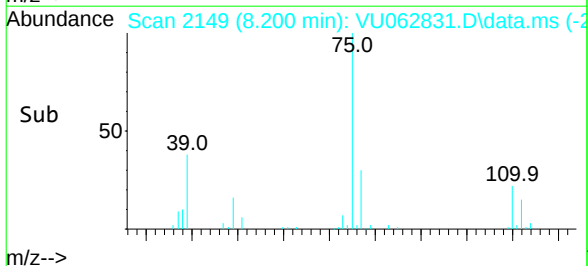
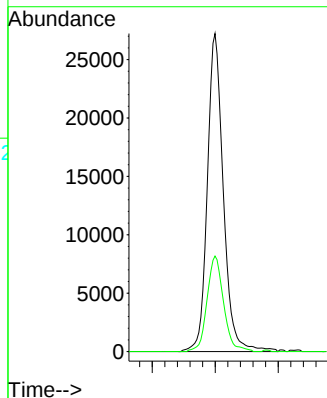
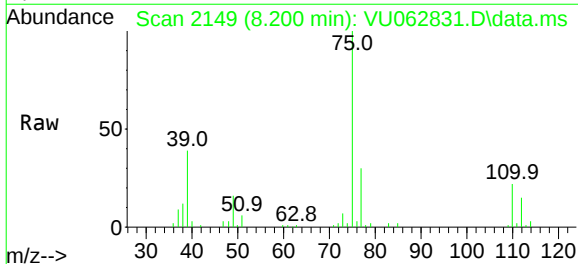
Acq: 16 Jan 2025 19:48

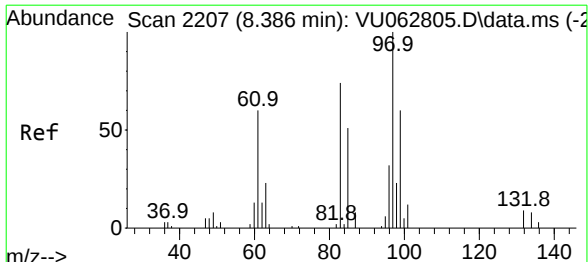
Tgt Ion: 75 Resp: 48089

Ion Ratio Lower Upper

75 100

77 30.0 21.8 40.6

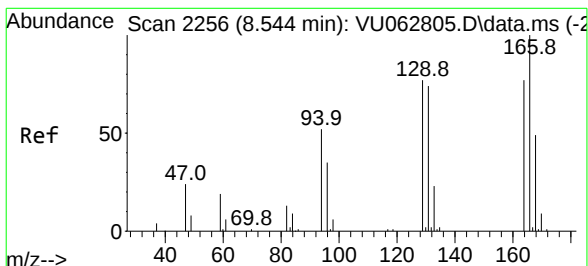
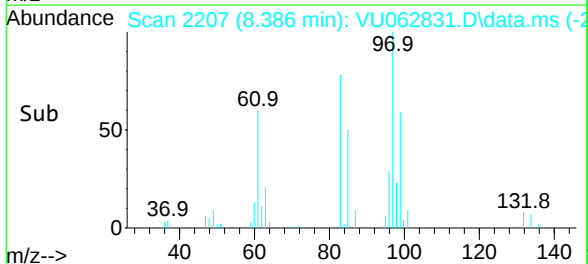
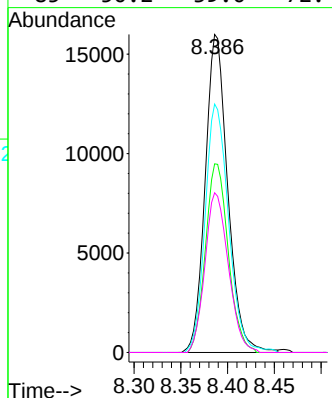
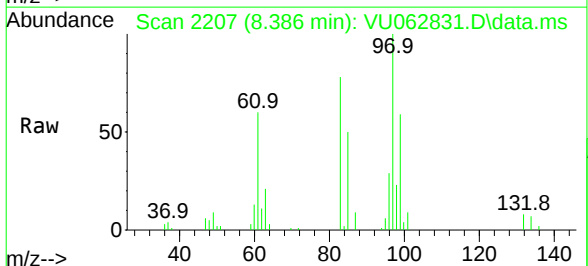




#45
1,1,2-Trichloroethane
Concen: 5.456 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

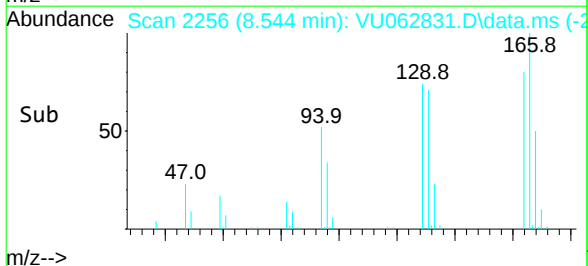
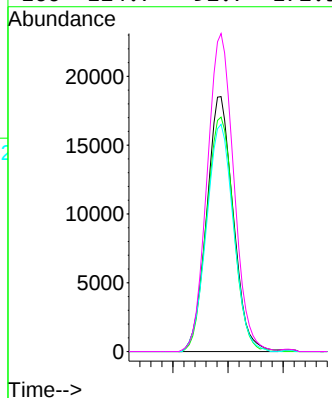
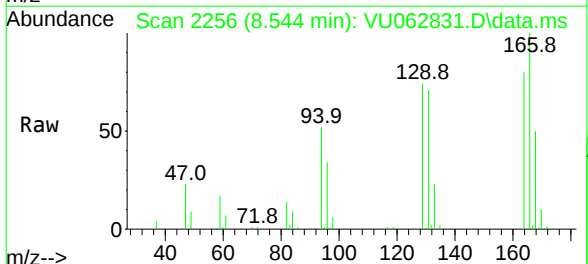
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

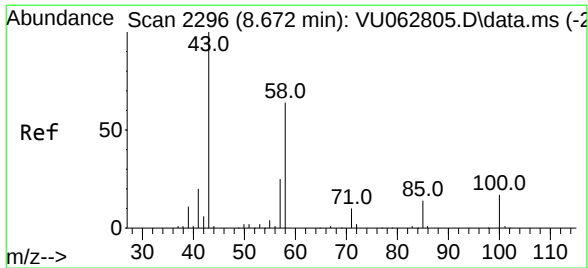
Tgt Ion:	97	Resp:	26893
Ion	Ratio	Lower	Upper
97	100		
99	59.3	45.6	84.6
83	78.1	63.0	117.0
85	50.2	39.0	72.4



#47
Tetrachloroethene
Concen: 5.121 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	164	Resp:	31000
Ion	Ratio	Lower	Upper
164	100		
129	92.0	71.0	131.9
131	89.1	69.4	129.0
166	124.7	92.7	172.3

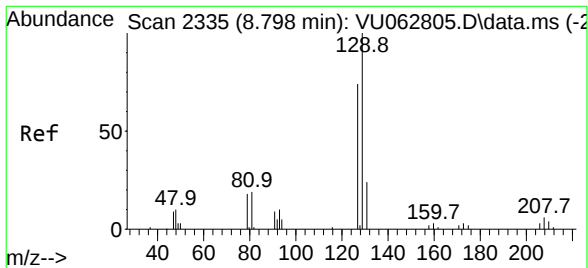
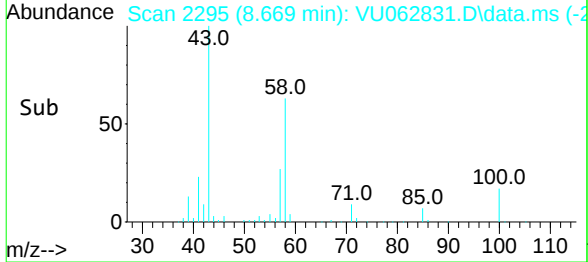
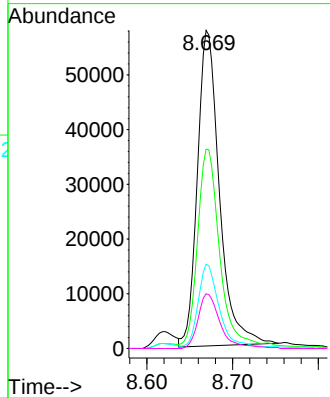
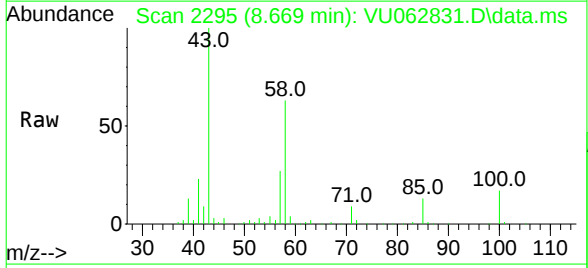




#48
2-Hexanone
Concen: 50.525 ug/L
RT: 8.669 min Scan# 2296
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

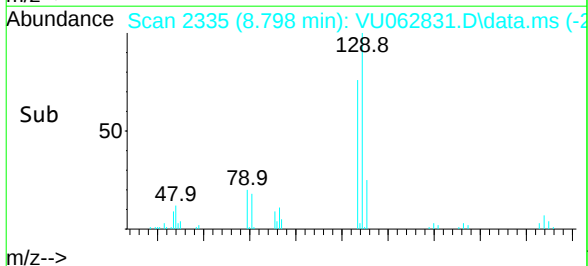
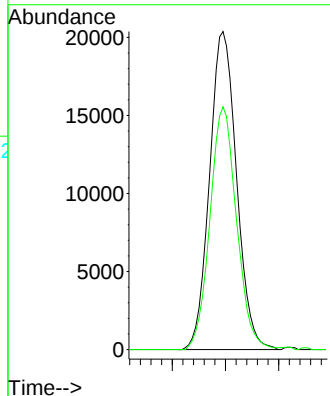
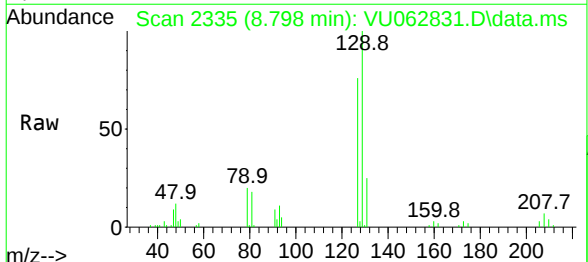
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

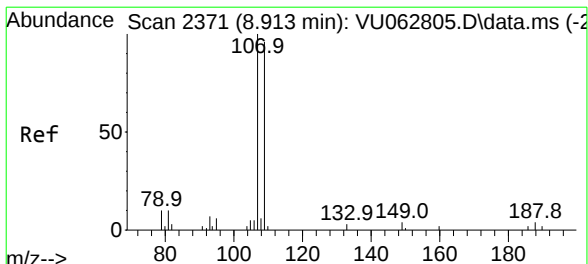
Tgt Ion: 43	Resp: 102978
Ion Ratio	Lower Upper
43 100	
58 60.8	50.2 75.4
57 24.7	19.9 29.9
100 17.4	12.6 18.8



#49
Dibromochloromethane
Concen: 5.424 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion: 129	Resp: 35897
Ion Ratio	Lower Upper
129 100	
127 76.3	52.1 96.9

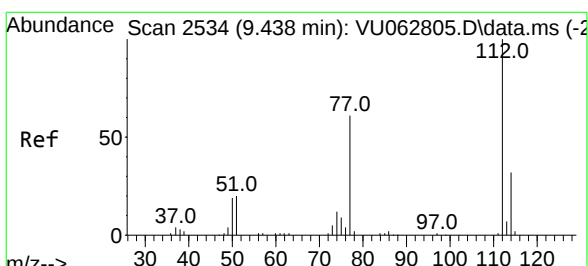
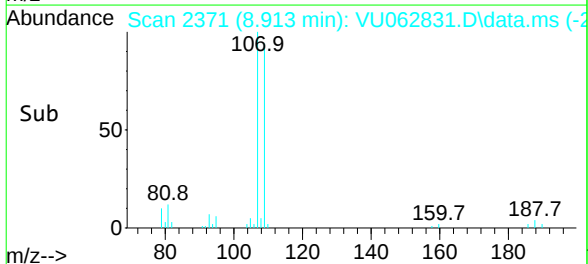
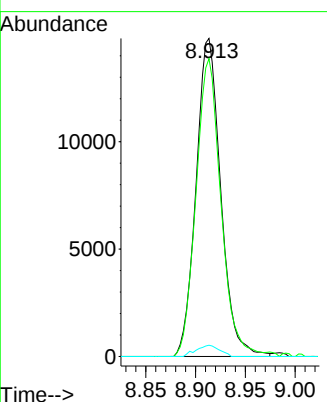
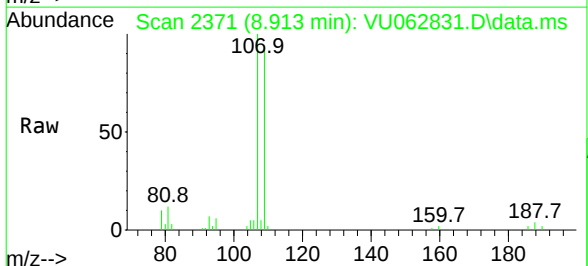




#50
 1,2-Dibromoethane
 Concen: 5.424 ug/L
 RT: 8.913 min Scan# 2371
 Delta R.T. 0.000 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

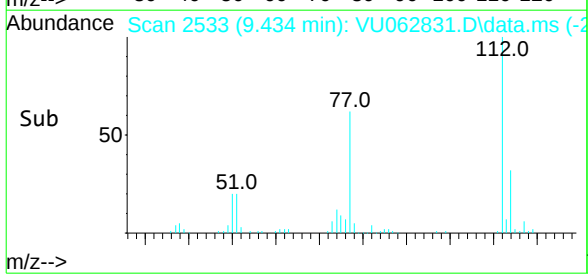
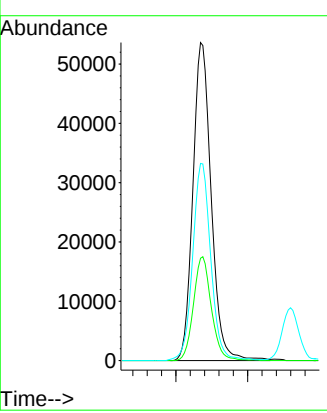
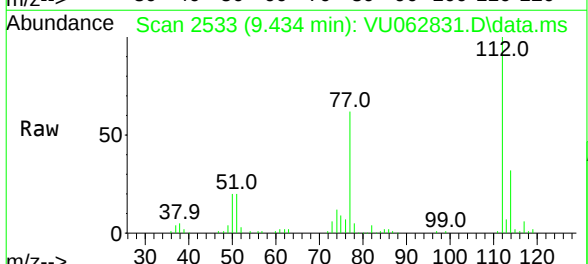
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

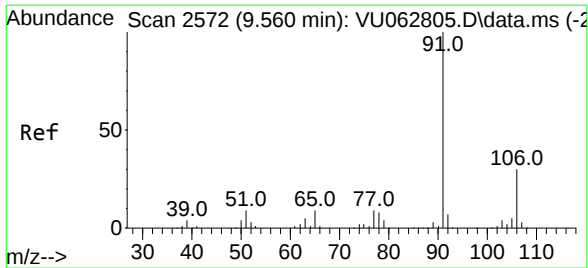
Tgt Ion:	107	Resp:	25580
Ion Ratio	Lower	Upper	
107	100		
109	93.6	65.7	121.9
188	3.5	3.4	5.2



#51
 Chlorobenzene
 Concen: 5.154 ug/L
 RT: 9.434 min Scan# 2533
 Delta R.T. -0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Tgt Ion:	112	Resp:	95011
Ion Ratio	Lower	Upper	
112	100		
114	32.2	21.7	40.3
77	62.0	48.6	73.0

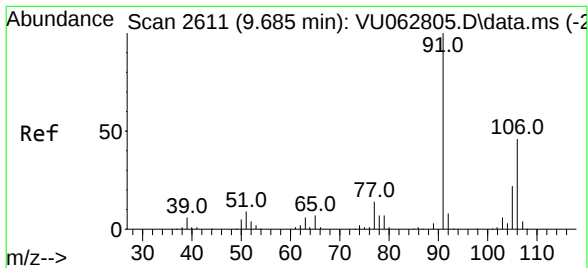
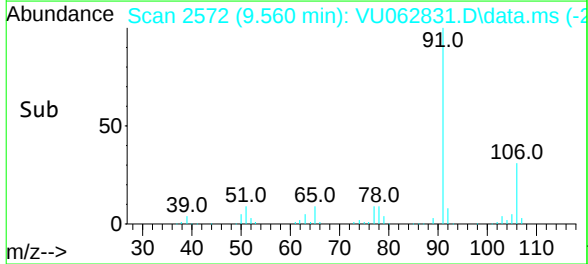
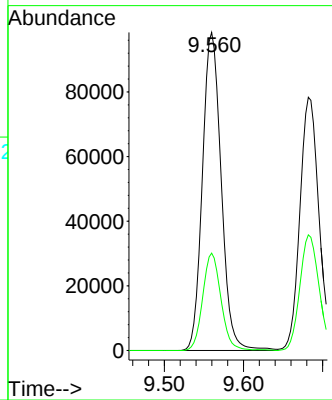
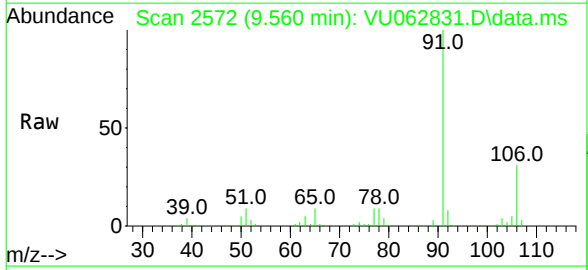




#52
 Ethylbenzene
 Concen: 5.072 ug/L
 RT: 9.560 min Scan# 2572
 Delta R.T. 0.000 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

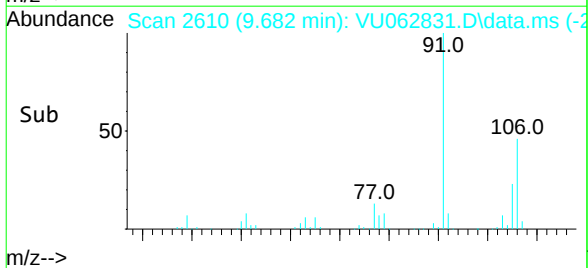
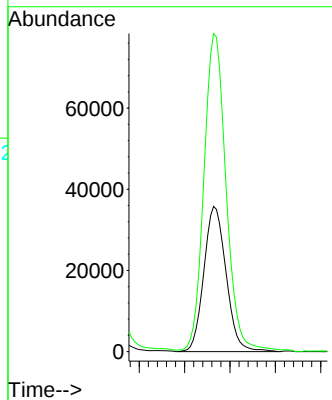
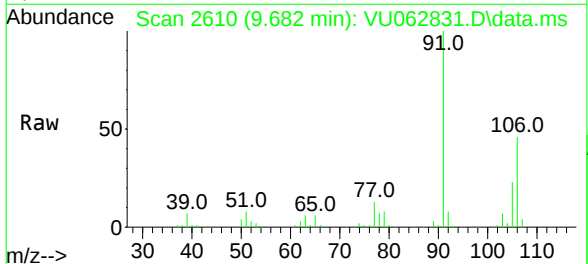
Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

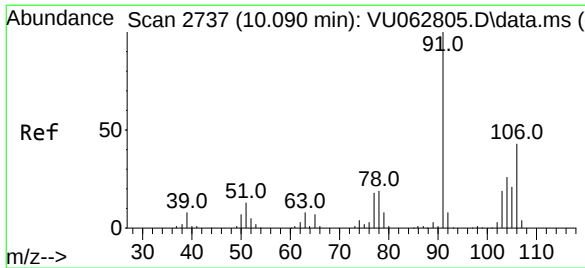
Tgt Ion: 91 Resp: 162251
 Ion Ratio Lower Upper
 91 100
 106 30.6 21.9 40.7



#53
 m,p-Xylene
 Concen: 5.095 ug/L
 RT: 9.682 min Scan# 2610
 Delta R.T. -0.003 min
 Lab File: VU062831.D
 Acq: 16 Jan 2025 19:48

Tgt Ion: 106 Resp: 60961
 Ion Ratio Lower Upper
 106 100
 91 219.0 153.1 284.3





#54

o-Xylene

Concen: 5.276 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

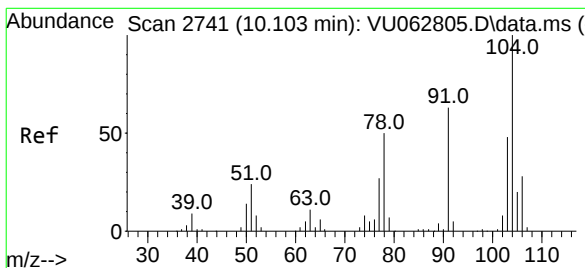
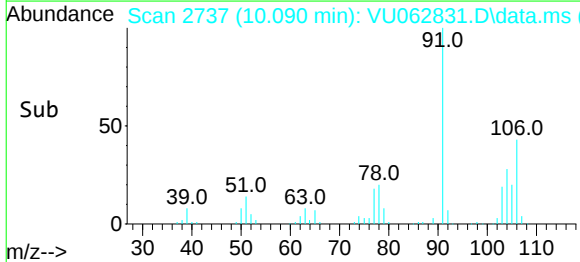
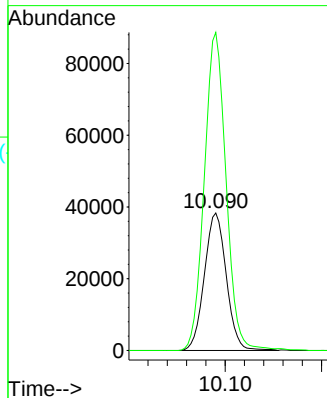
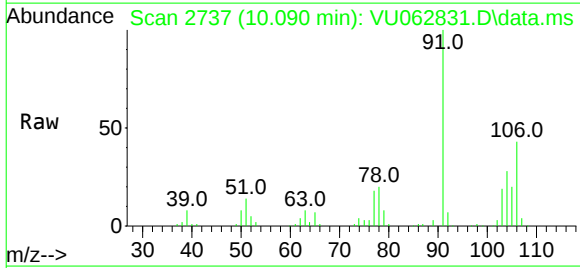
GCQ87MSD

Tgt Ion:106 Resp: 60464

Ion Ratio Lower Upper

106 100

91 231.4 160.4 297.8



#55

Styrene

Concen: 5.213 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU062831.D

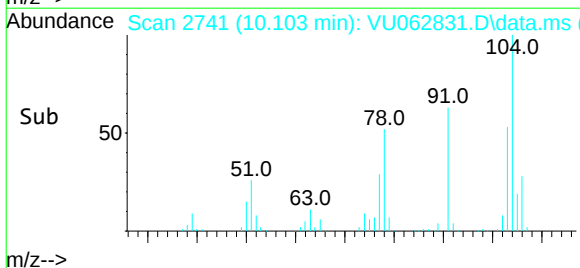
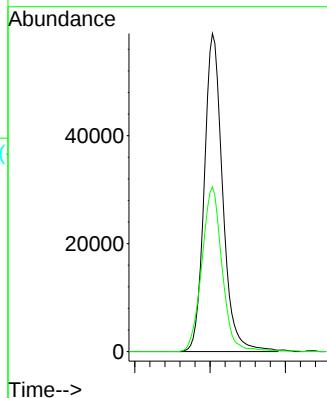
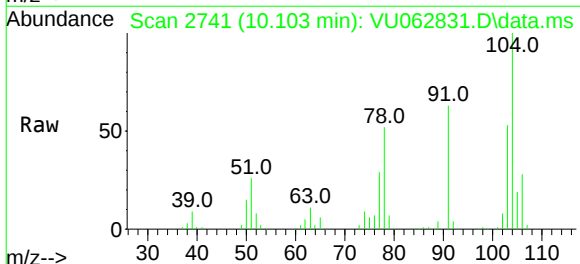
Acq: 16 Jan 2025 19:48

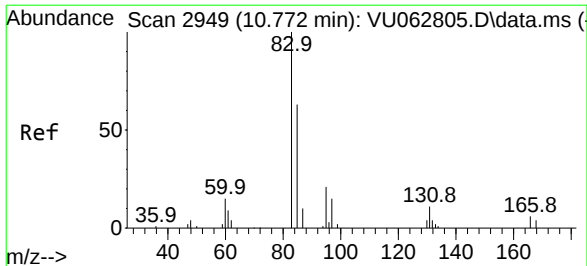
Tgt Ion:104 Resp: 99934

Ion Ratio Lower Upper

104 100

78 51.8 35.5 65.9

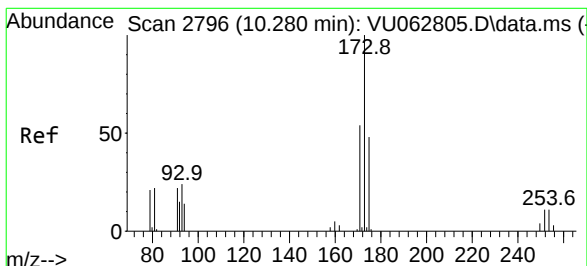
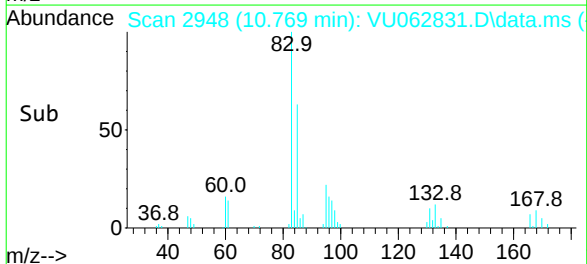
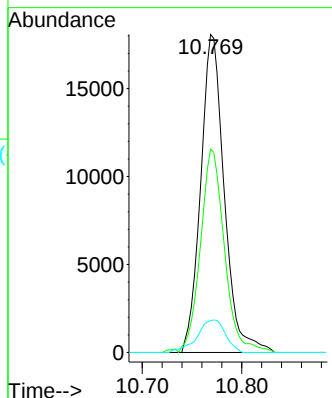
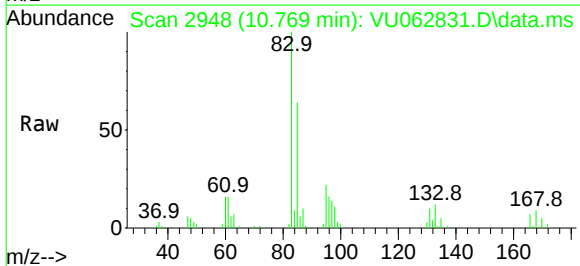




#57
1,1,2,2-Tetrachloroethane
Concen: 5.386 ug/L
RT: 10.769 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

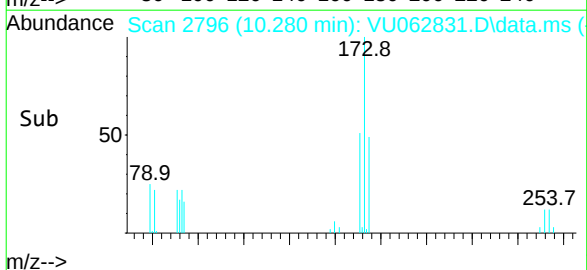
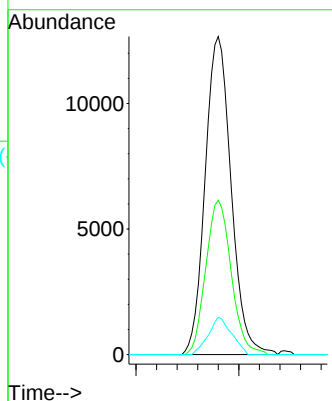
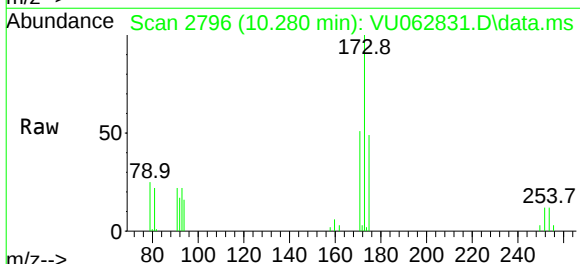
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

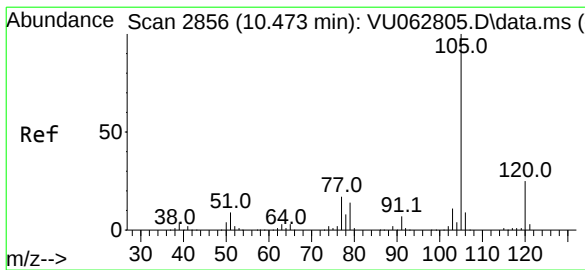
Tgt Ion:	83	Resp:	29781
Ion	Ratio	Lower	Upper
83	100		
85	63.9	43.0	79.8
131	10.0	7.4	11.0



#59
Bromoform
Concen: 5.339 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	173	Resp:	22227
Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.8	59.8
254	10.5	8.6	12.8





#60

Isopropylbenzene

Concen: 5.066 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD

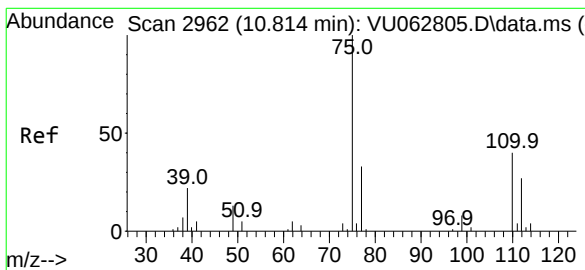
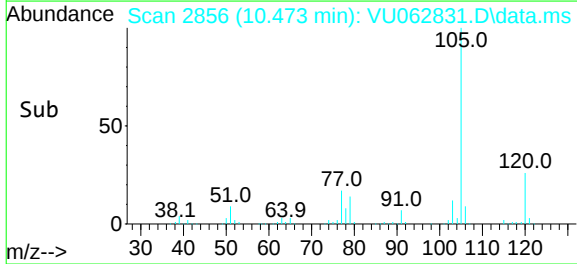
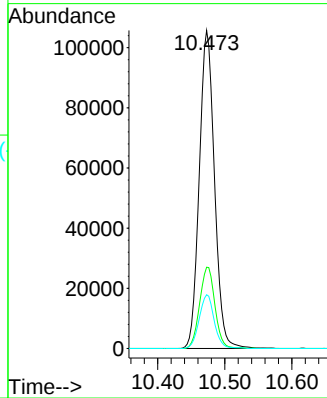
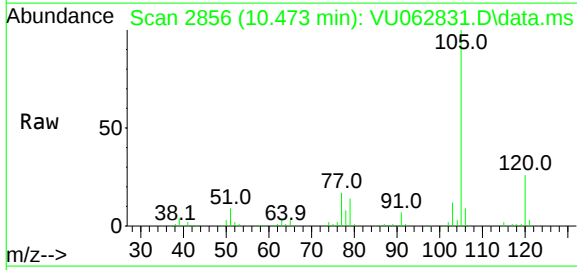
Tgt Ion: 105 Resp: 166627

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

77 16.7 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.197 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

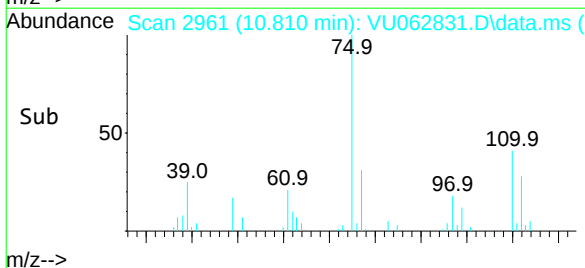
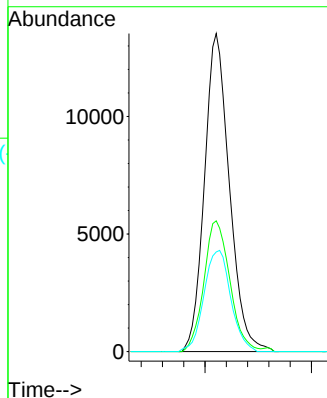
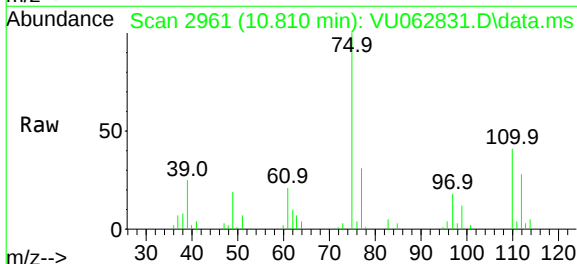
Tgt Ion: 75 Resp: 22002

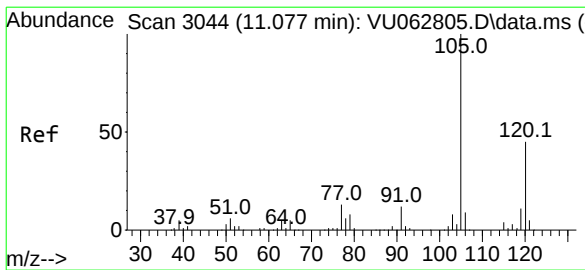
Ion Ratio Lower Upper

75 100

110 42.9 33.2 49.8

77 34.2 25.9 38.9

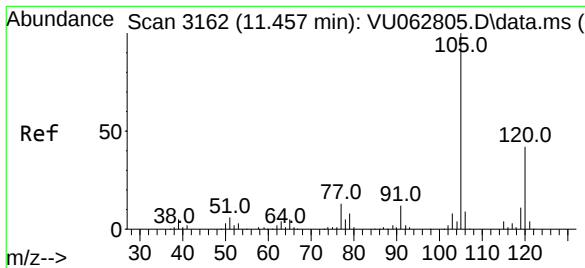
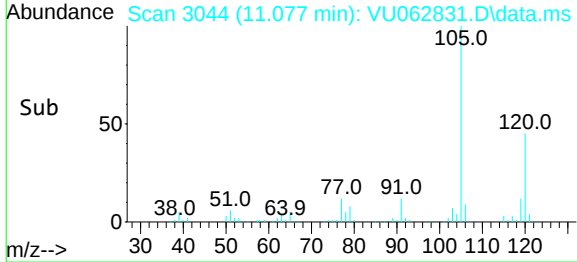
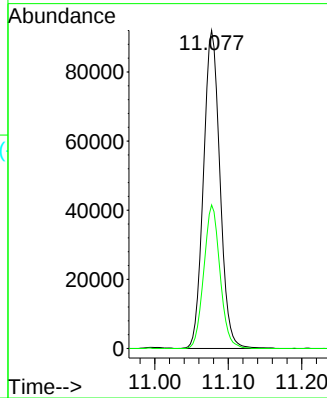
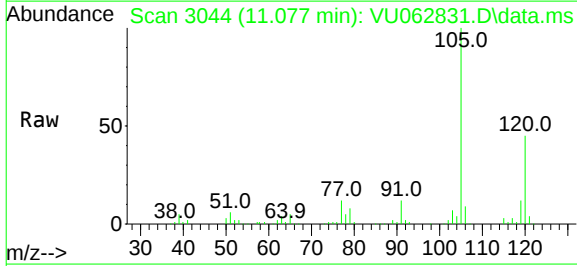




#62
1,3,5-Trimethylbenzene
Concen: 5.135 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

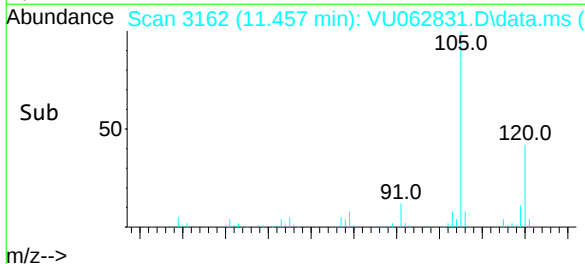
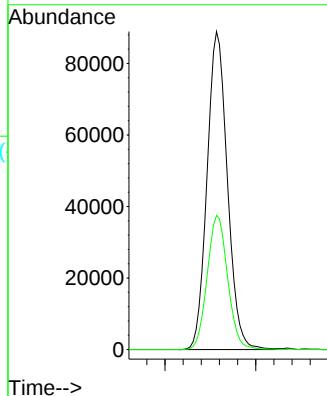
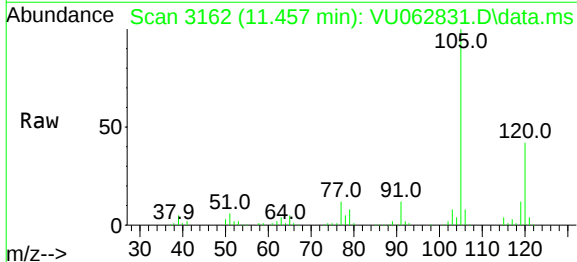
Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

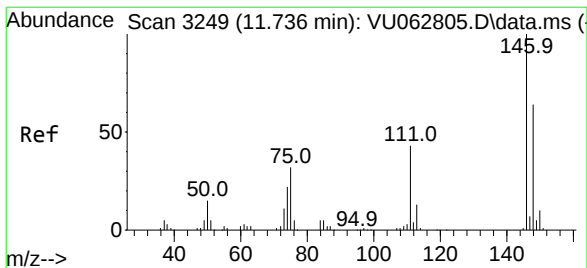
Tgt Ion:105 Resp: 143556
Ion Ratio Lower Upper
105 100
120 44.3 35.9 53.9



#63
1,2,4-Trimethylbenzene
Concen: 5.116 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:105 Resp: 138351
Ion Ratio Lower Upper
105 100
120 42.5 34.2 51.2





#64

1,3-Dichlorobenzene

Concen: 5.091 ug/L

RT: 11.736 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU062831.D

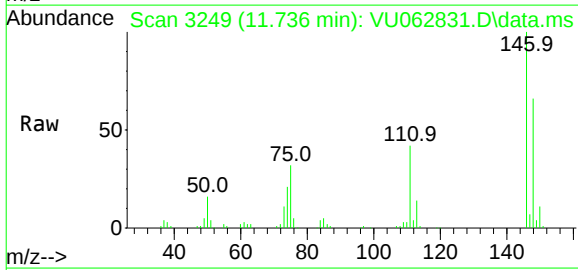
Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD



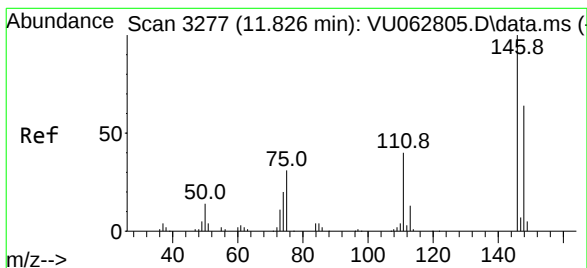
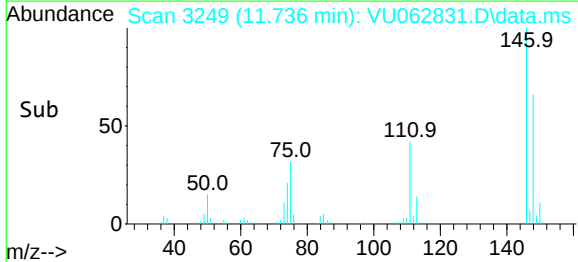
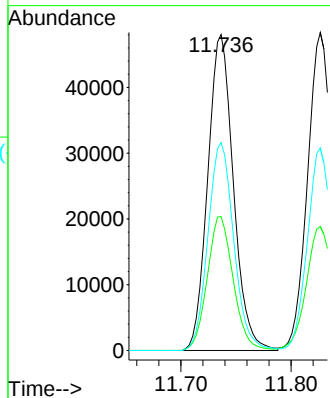
Tgt Ion:146 Resp: 77625

Ion Ratio Lower Upper

146 100

111 42.4 28.6 53.0

148 65.8 44.0 81.6



#65

1,4-Dichlorobenzene

Concen: 5.074 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

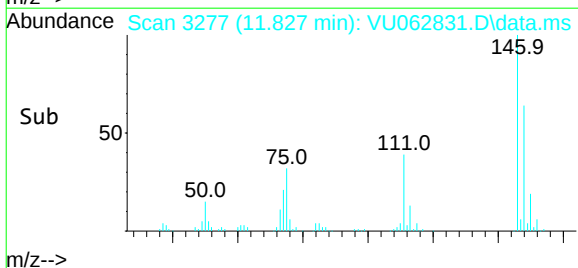
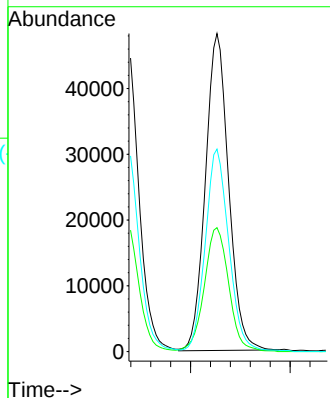
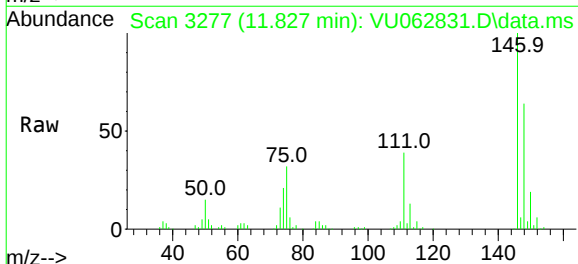
Tgt Ion:146 Resp: 78017

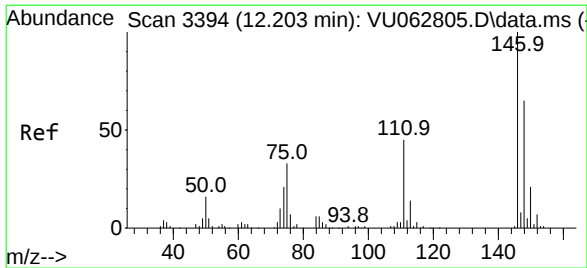
Ion Ratio Lower Upper

146 100

111 39.0 29.5 54.9

148 63.7 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 5.124 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD

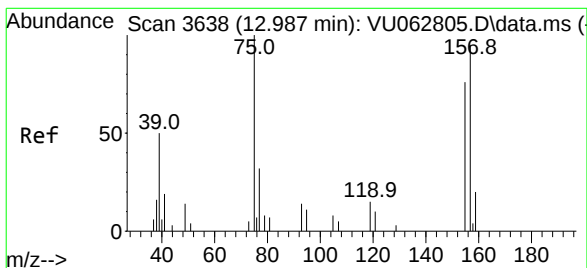
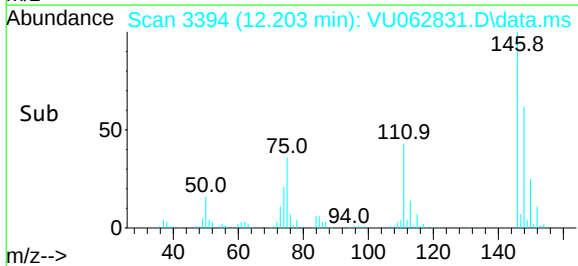
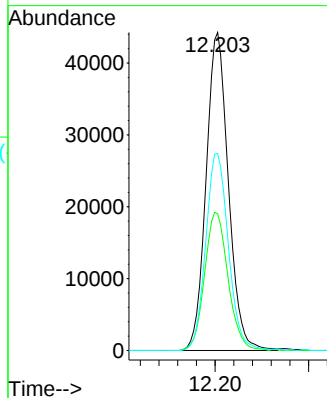
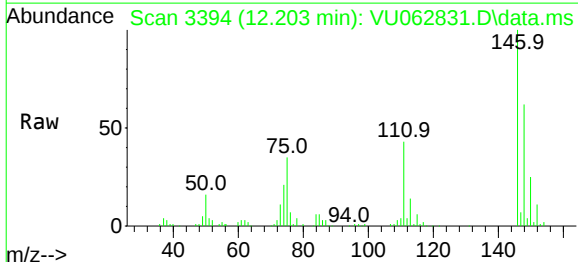
Tgt Ion:146 Resp: 73220

Ion Ratio Lower Upper

146 100

111 43.0 36.3 54.5

148 61.9 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.190 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

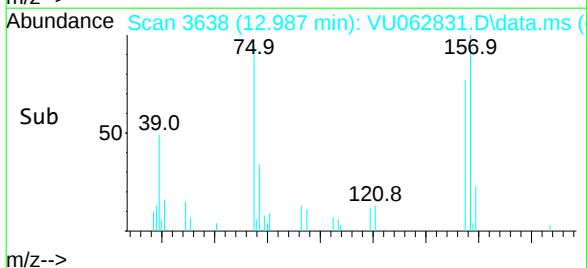
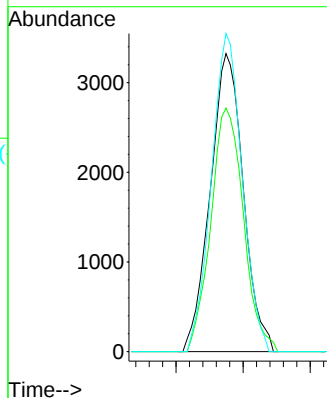
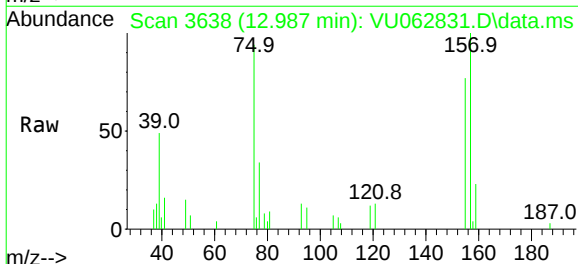
Tgt Ion: 75 Resp: 5692

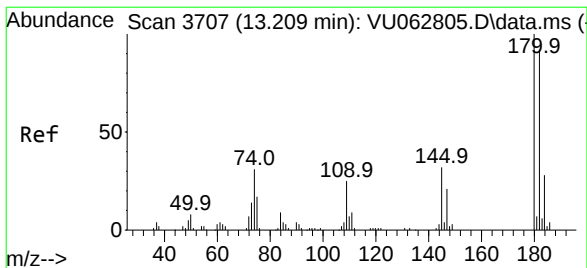
Ion Ratio Lower Upper

75 100

155 81.7 59.6 89.4

157 106.7 70.8 106.2#





#69

1,3,5-Trichlorobenzene

Concen: 4.933 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. 0.000 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

Instrument :

MSVOA_U

ClientSampleId :

GCQ87MSD

Tgt Ion:180 Resp: 56650

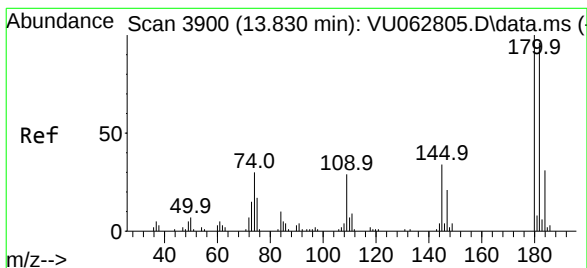
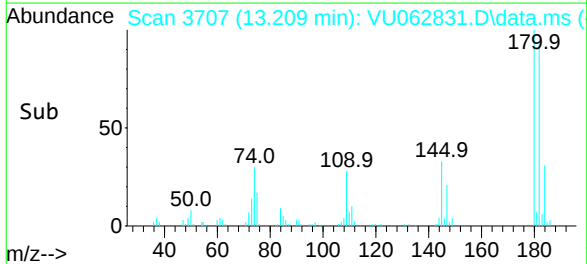
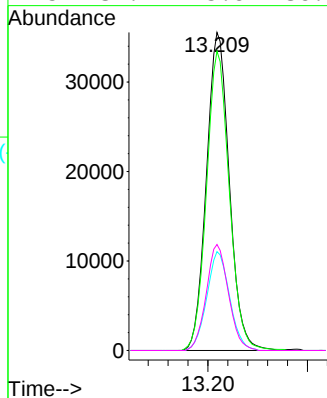
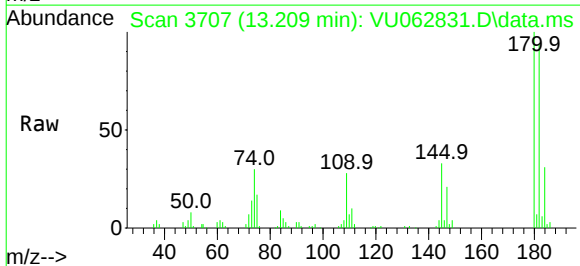
Ion Ratio Lower Upper

180 100

182 93.8 75.8 113.8

184 31.0 24.7 37.1

145 32.4 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.518 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU062831.D

Acq: 16 Jan 2025 19:48

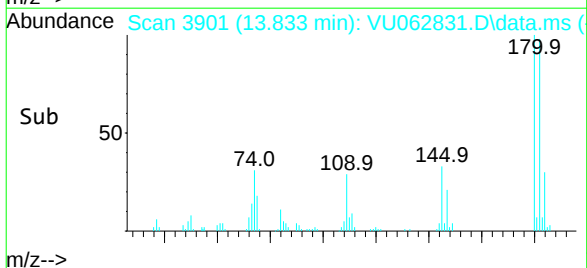
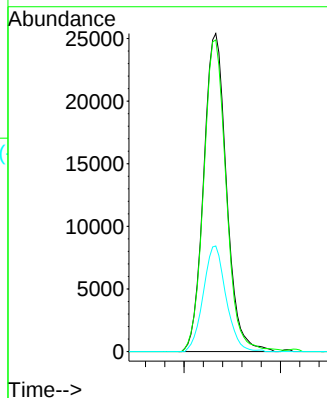
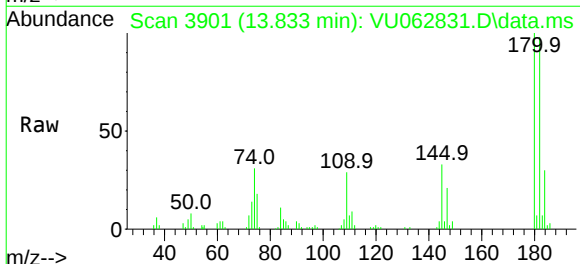
Tgt Ion:180 Resp: 41783

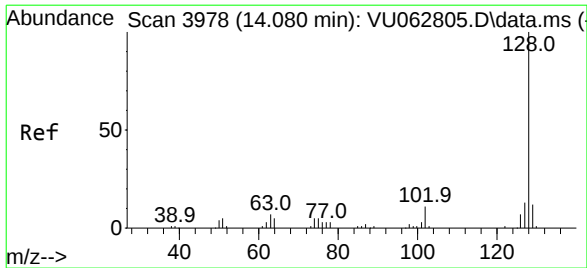
Ion Ratio Lower Upper

180 100

182 96.8 77.1 115.7

145 33.1 26.9 40.3

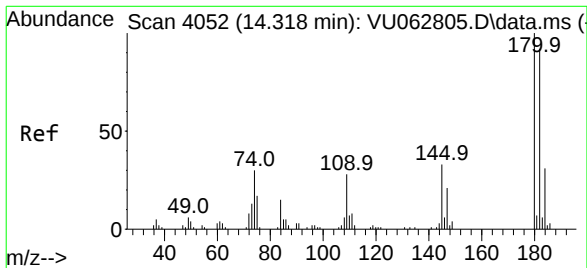
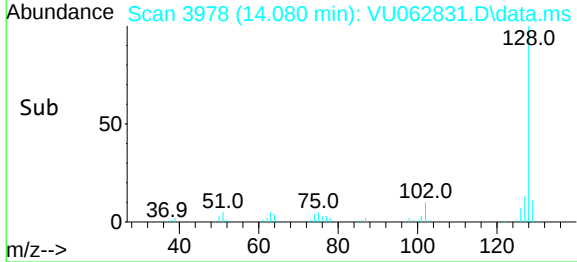
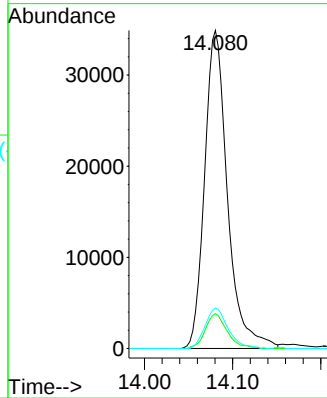
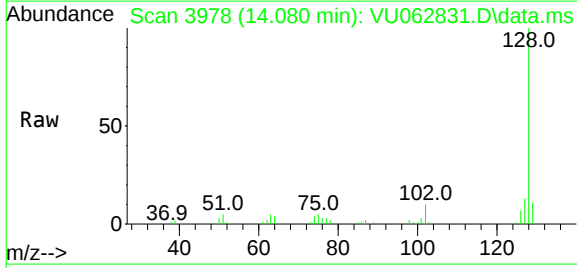




#71
Naphthalene
Concen: 4.647 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Instrument :
MSVOA_U
ClientSampleId :
GCQ87MSD

Tgt Ion:	128	Resp:	62894
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.5	12.7
127	12.8	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.584 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU062831.D
Acq: 16 Jan 2025 19:48

Tgt Ion:	180	Resp:	36955
Ion	Ratio	Lower	Upper
180	100		
182	95.9	79.8	119.6
145	35.8	29.2	43.8

