

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054327.D
 Acq On : 30 May 2023 20:30
 Operator : JC/MD
 Sample : 02912-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523MSD

Quant Time: May 31 06:32:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.366	168	178364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	318435	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	308328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	164870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	138978	59.439	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.880%#
35) Dibromofluoromethane	5.282	113	111114	54.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.360%
50) Toluene-d8	7.893	98	409635	52.517	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.040%
62) 4-Bromofluorobenzene	10.629	95	150502	49.763	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.520%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	106759	53.617	ug/l	98
3) Chloromethane	1.517	50	151033	57.930	ug/l	96
4) Vinyl Chloride	1.604	62	145860	58.635	ug/l	100
5) Bromomethane	1.848	94	61701	44.808	ug/l	100
6) Chloroethane	1.922	64	89636	74.719	ug/l	97
7) Trichlorofluoromethane	2.131	101	182145	53.223	ug/l	97
8) Diethyl Ether	2.372	74	77259	60.980	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.575	101	96397	52.024	ug/l	96
10) Methyl Iodide	2.716	142	120288	53.998	ug/l	98
11) Tert butyl alcohol	3.195	59	73818	116.877	ug/l #	56
12) 1,1-Dichloroethene	2.575	96	101423	52.864	ug/l	93
13) Acrolein	2.482	56	111599	169.849	ug/l	98
14) Allyl chloride	2.916	41	150048	45.106	ug/l #	84
15) Acrylonitrile	3.308	53	439057	310.053	ug/l	99
16) Acetone	2.626	43	379285	282.994	ug/l	98
17) Carbon Disulfide	2.787	76	284280	50.137	ug/l	99
18) Methyl Acetate	2.945	43	139908	28.590	ug/l	96
19) Methyl tert-butyl Ether	3.356	73	364623	58.059	ug/l	100
20) Methylene Chloride	3.041	84	126982	52.517	ug/l	91
21) trans-1,2-Dichloroethene	3.347	96	109949	53.528	ug/l	97
22) Diisopropyl ether	3.986	45	351338	59.589	ug/l #	64
23) Vinyl Acetate	3.951	43	548374	127.461	ug/l	95
24) 1,1-Dichloroethane	3.861	63	219167	58.052	ug/l	99
25) 2-Butanone	4.694	43	555645	313.127	ug/l	96
26) 2,2-Dichloropropane	4.658	77	18209	5.519	ug/l #	55
27) cis-1,2-Dichloroethene	4.658	96	130755	57.224	ug/l	94
28) Bromochloromethane	4.967	49	110877	63.465	ug/l	85
29) Tetrahydrofuran	5.044	42	360848	323.509	ug/l	92
30) Chloroform	5.080	83	218008	56.806	ug/l	98
31) Cyclohexane	5.382	56	172908	52.372	ug/l	95
32) 1,1,1-Trichloroethane	5.308	97	185063	55.545	ug/l	100
36) 1,1-Dichloropropene	5.520	75	149089	46.288	ug/l	99
37) Ethyl Acetate	4.797	43	95544	24.340	ug/l #	94
38) Carbon Tetrachloride	5.517	117	161481	48.982	ug/l	98
39) Methylcyclohexane	6.758	83	155012	42.490	ug/l	88
40) Benzene	5.768	78	475529	51.760	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	103910	57.277	ug/l	91
42) 1,2-Dichloroethane	5.787	62	169537	50.799	ug/l	99
43) Isopropyl Acetate	5.906	43	182336	33.676	ug/l	97
44) Trichloroethene	6.536	130	167534	65.235	ug/l	91
45) 1,2-Dichloropropane	6.784	63	125831	52.502	ug/l	99
46) Dibromomethane	6.912	93	91804	52.037	ug/l	94
47) Bromodichloromethane	7.099	83	165712	50.227	ug/l	98
48) Methyl methacrylate	6.954	41	133639	55.656	ug/l	92
49) 1,4-Dioxane	6.977	88	88227	1272.760	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	1006682	278.607	ug/l	99
52) Toluene	7.964	92	295555	50.453	ug/l	98
53) t-1,3-Dichloropropene	8.205	75	132295	35.048	ug/l	98
54) cis-1,3-Dichloropropene	7.600	75	138054	35.046	ug/l	98
55) 1,1,2-Trichloroethane	8.395	97	126594	52.145	ug/l	99
56) Ethyl methacrylate	8.327	69	190067	52.595	ug/l	95
57) 1,3-Dichloropropane	8.568	76	214814	51.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.597	63	625	2.698	ug/l #	46
59) 2-Hexanone	8.681	43	799241	280.012	ug/l	99
60) Dibromochloromethane	8.803	129	129085	52.334	ug/l	99
61) 1,2-Dibromoethane	8.915	107	137003	51.852	ug/l	100
64) Tetrachloroethene	8.549	164	115501	49.773	ug/l	98
65) Chlorobenzene	9.443	112	313262	48.600	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.530	131	118859	50.830	ug/l	99
67) Ethyl Benzene	9.565	91	543250	49.297	ug/l	99
68) m/p-Xylenes	9.687	106	417286	99.899	ug/l	93
69) o-Xylene	10.095	106	205496	50.821	ug/l	91
70) Styrene	10.108	104	349065	52.055	ug/l	98
71) Bromoform	10.285	173	105687	52.011	ug/l #	100
73) Isopropylbenzene	10.478	105	524995	51.417	ug/l	98
74) N-amyl acetate	10.314	43	101798	23.480	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	219581	53.147	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	214709	44.621	ug/l	99
77) Bromobenzene	10.777	156	141412	50.434	ug/l	91
78) n-propylbenzene	10.899	91	619176	49.502	ug/l	98
79) 2-Chlorotoluene	10.980	91	384070	50.718	ug/l	95
80) 1,3,5-Trimethylbenzene	11.083	105	446531	51.424	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.539	75	28897	22.868	ug/l	97
82) 4-Chlorotoluene	11.092	91	444715	50.052	ug/l	96
83) tert-Butylbenzene	11.414	119	437110	50.341	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	442666	51.242	ug/l	98
85) sec-Butylbenzene	11.639	105	539698	48.984	ug/l	99
86) p-Isopropyltoluene	11.787	119	439883	47.468	ug/l	98
87) 1,3-Dichlorobenzene	11.742	146	260449	47.973	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	260495	45.929	ug/l	97
89) n-Butylbenzene	12.205	91	367174	42.092	ug/l	98
90) Hexachloroethane	12.468	117	83852	51.148	ug/l	90
91) 1,2-Dichlorobenzene	12.208	146	264915	49.601	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	53198	56.458	ug/l	94
93) 1,2,4-Trichlorobenzene	13.835	180	171698	45.432	ug/l	99
94) Hexachlorobutadiene	14.015	225	69323	39.618	ug/l	99
95) Naphthalene	14.079	128	629892	51.589	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	183503	48.868	ug/l	99

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ClientSampleId :
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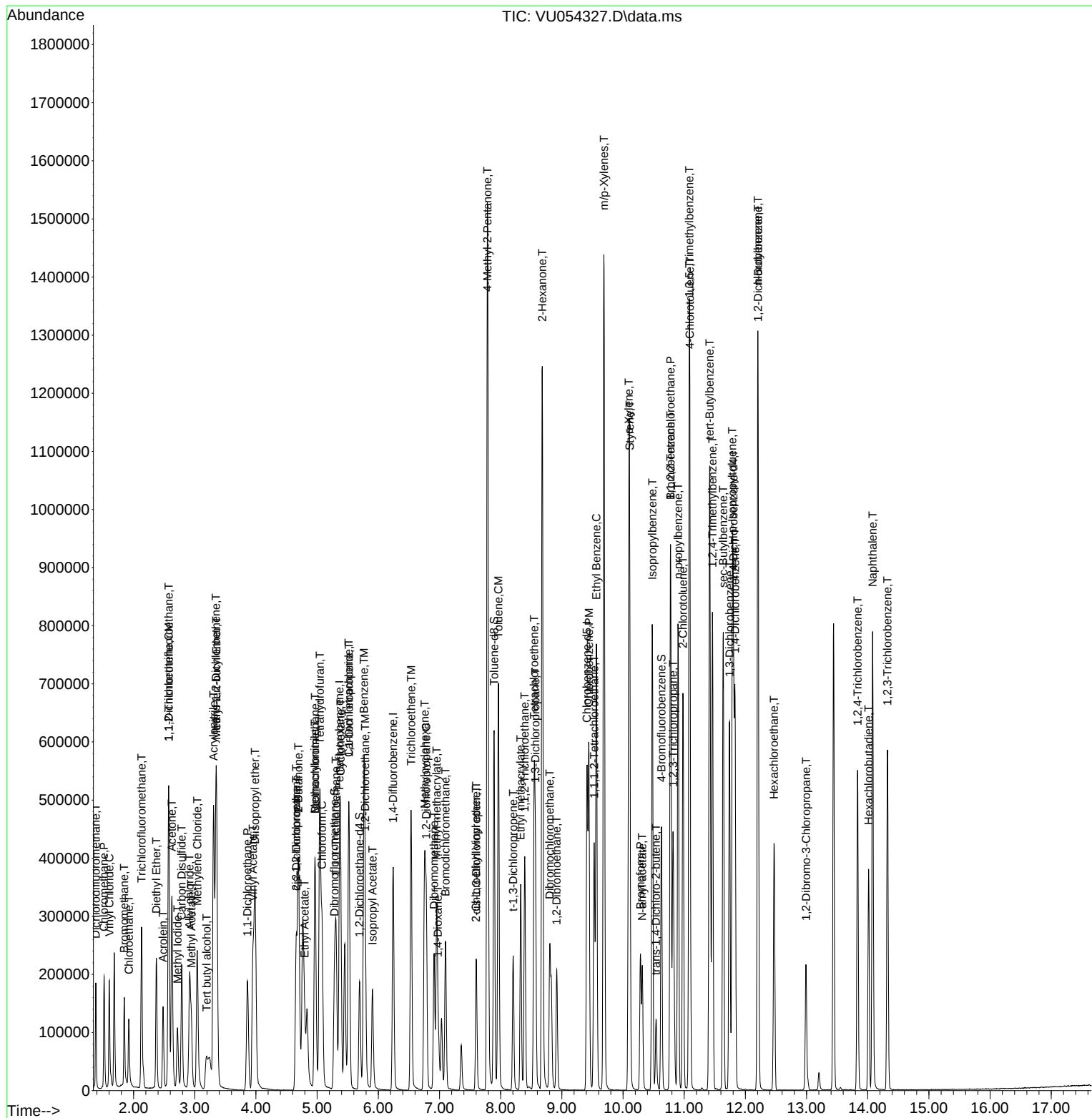
Quant Time: May 31 06:32:38 2023
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QLast Update : Fri May 26 06:40:51 2023
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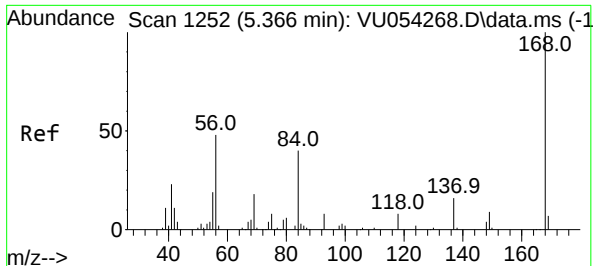
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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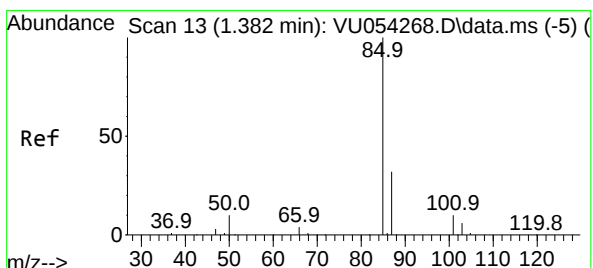
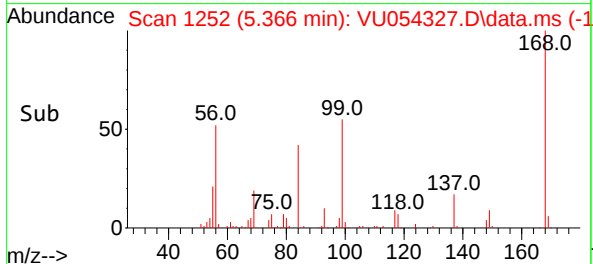
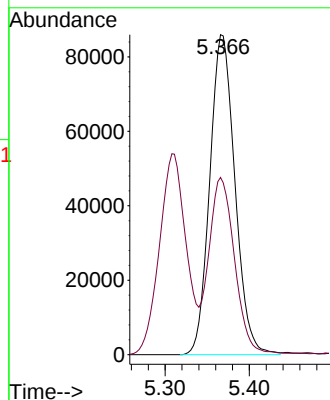
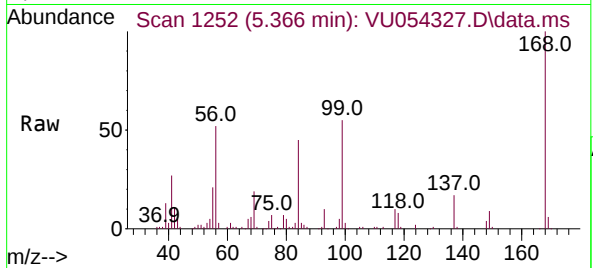




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
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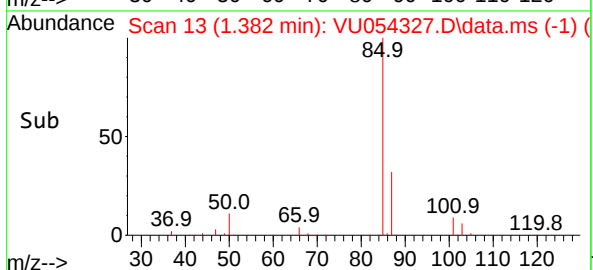
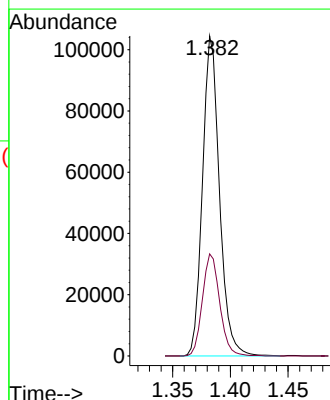
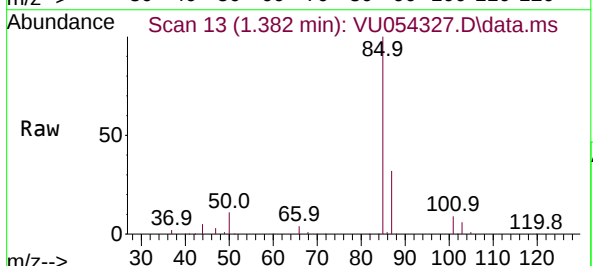
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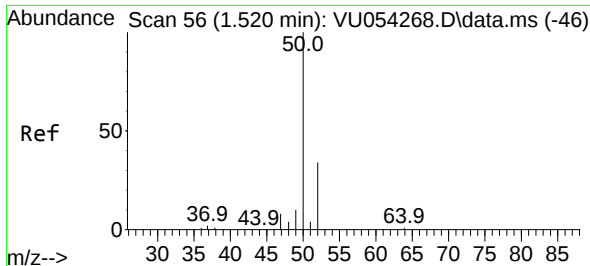
Tgt Ion:168 Resp: 178364
Ion Ratio Lower Upper
168 100
99 54.9 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 53.617 ug/l
RT: 1.382 min Scan# 13
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 85 Resp: 106759
Ion Ratio Lower Upper
85 100
87 31.9 16.4 49.2

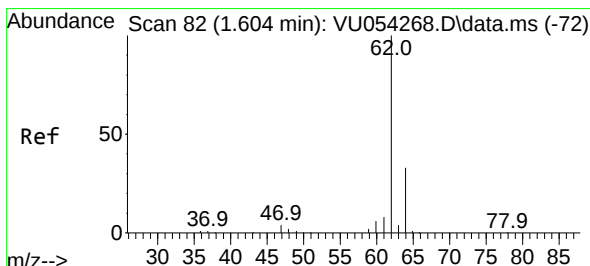
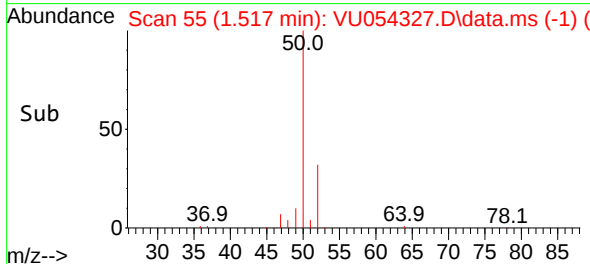
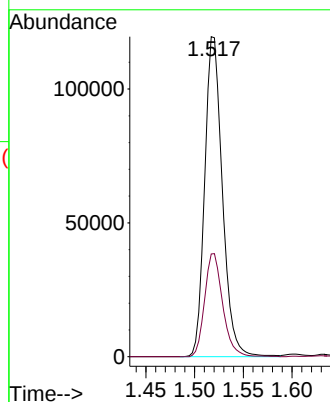
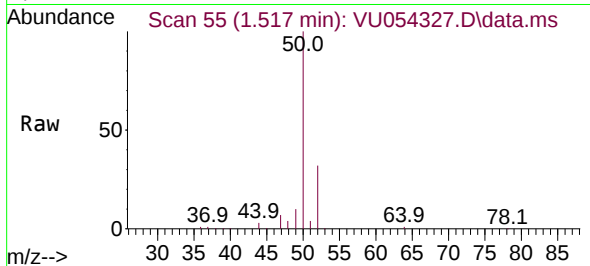




#3
Chloromethane
Concen: 57.930 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054327.D
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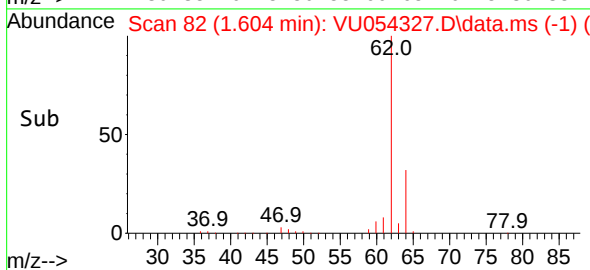
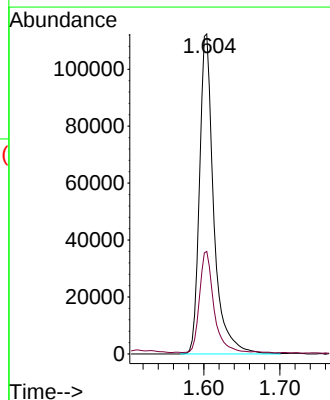
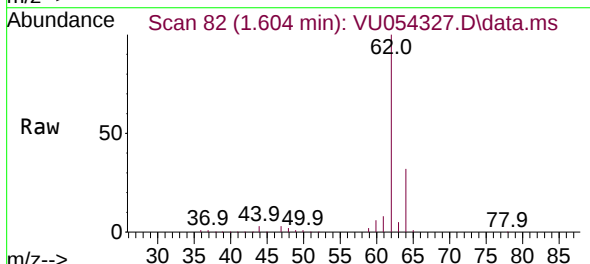
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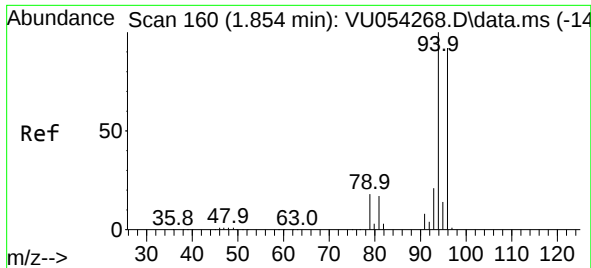
Tgt Ion: 50 Resp: 151033
Ion Ratio Lower Upper
50 100
52 32.1 27.4 41.2



#4
Vinyl Chloride
Concen: 58.635 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 62 Resp: 145860
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9

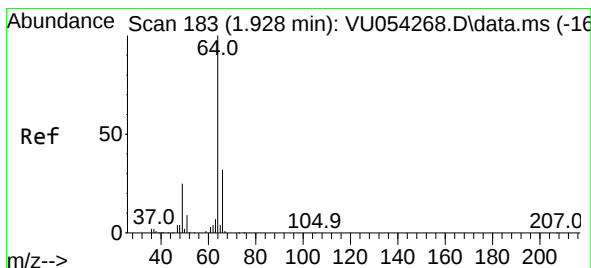
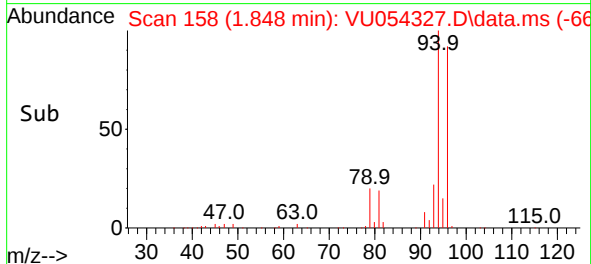
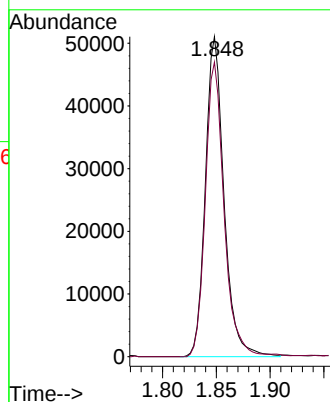
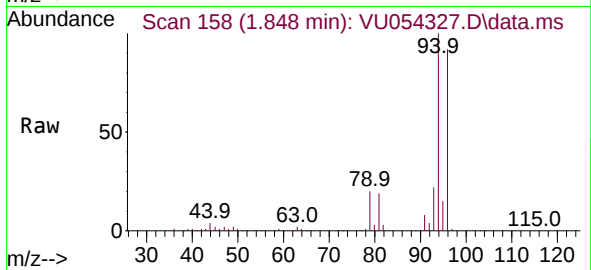




#5
Bromomethane
Concen: 44.808 ug/l
RT: 1.848 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU054327.D
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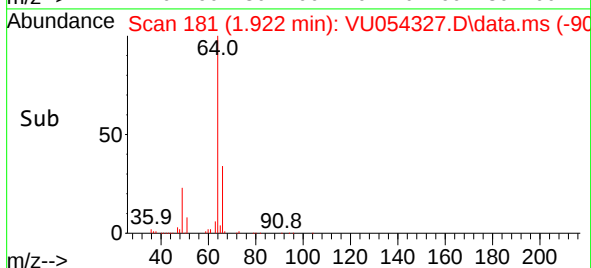
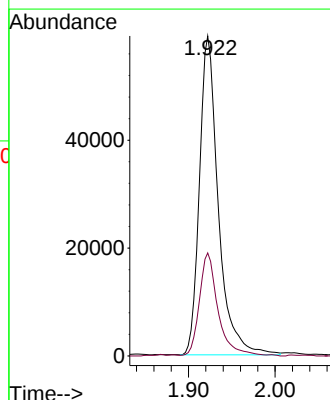
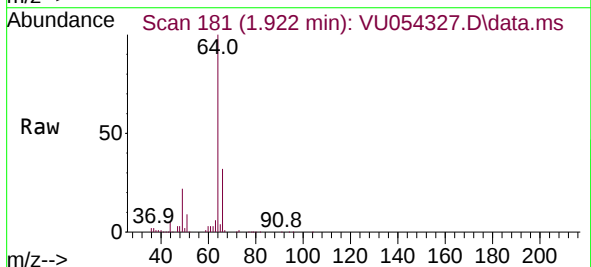
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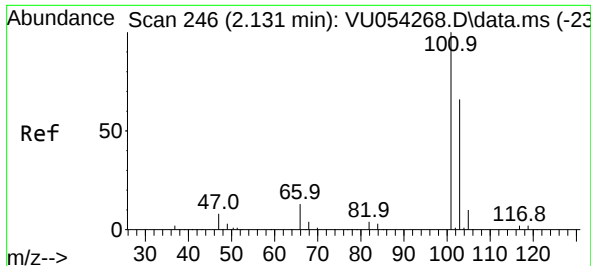
Tgt Ion: 94 Resp: 61701
Ion Ratio Lower Upper
94 100
96 92.1 73.7 110.5



#6
Chloroethane
Concen: 74.719 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU054327.D
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Tgt Ion: 64 Resp: 89636
Ion Ratio Lower Upper
64 100
66 32.3 24.7 37.1

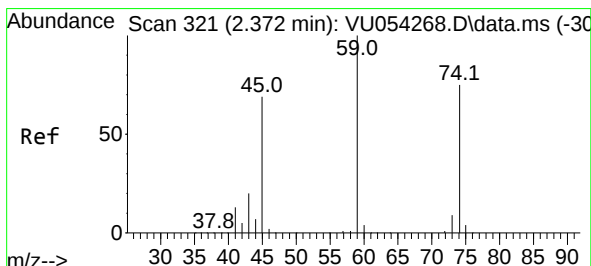
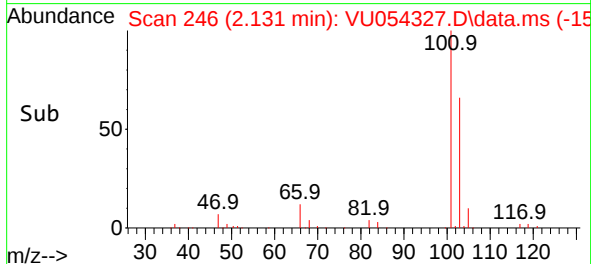
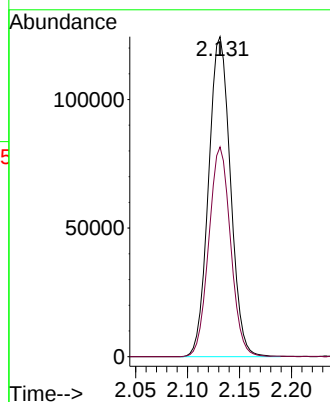
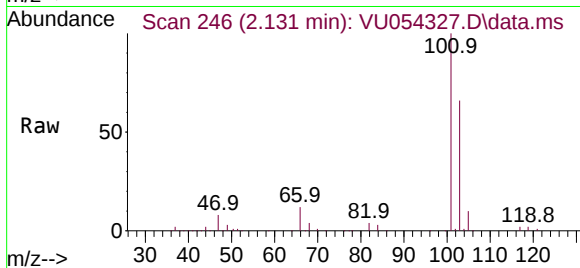




#7
 Trichlorofluoromethane
 Concen: 53.223 ug/l
 RT: 2.131 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: VU054327.D
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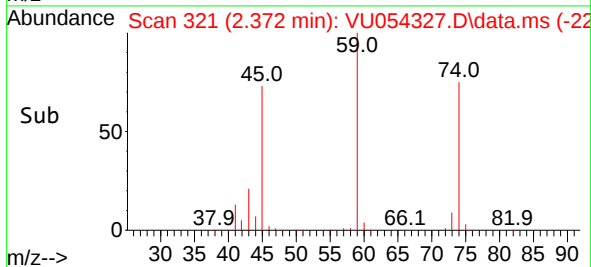
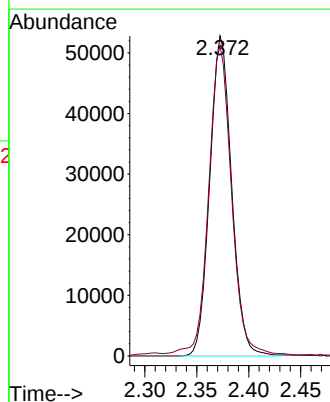
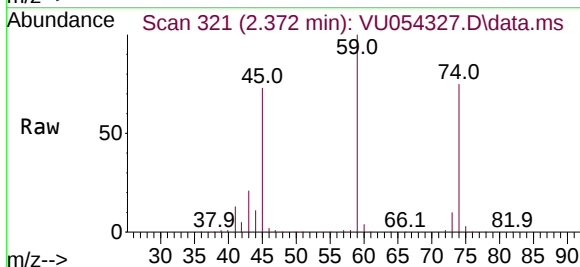
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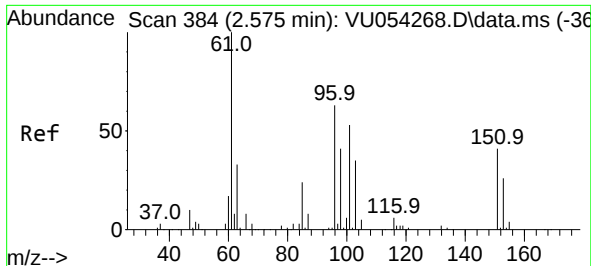
Tgt Ion:101 Resp: 182145
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.6 75.8



#8
 Diethyl Ether
 Concen: 60.980 ug/l
 RT: 2.372 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

Tgt Ion: 74 Resp: 77259
 Ion Ratio Lower Upper
 74 100
 45 100.8 44.4 133.2

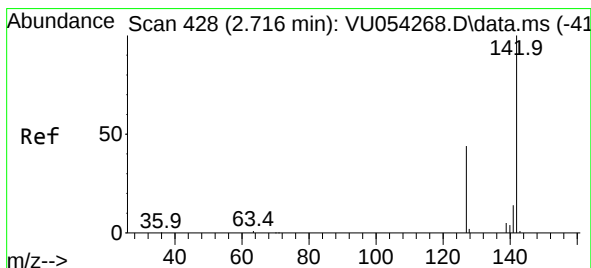
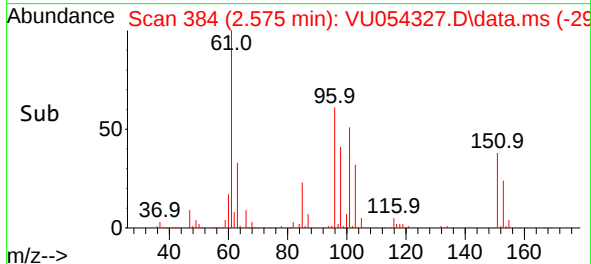
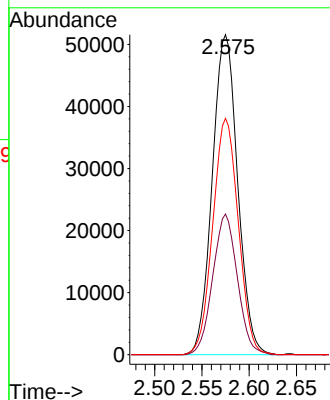
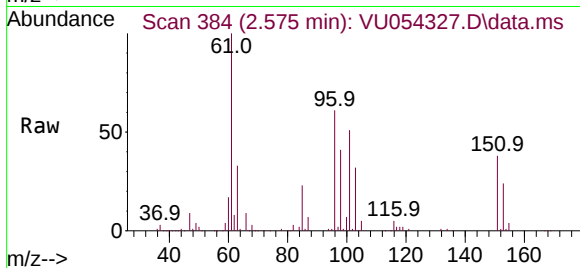




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.024 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

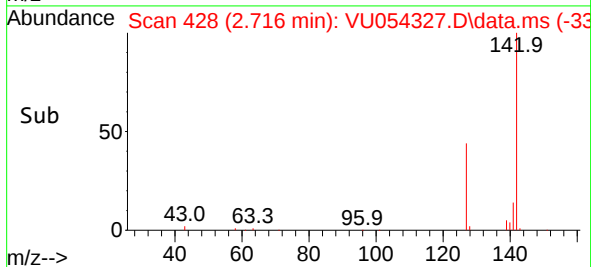
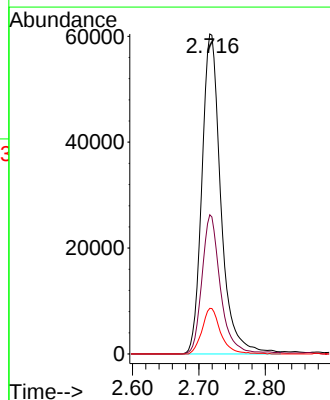
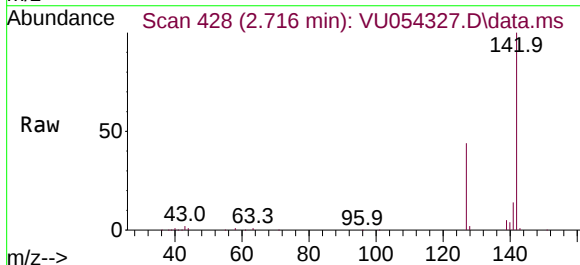
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

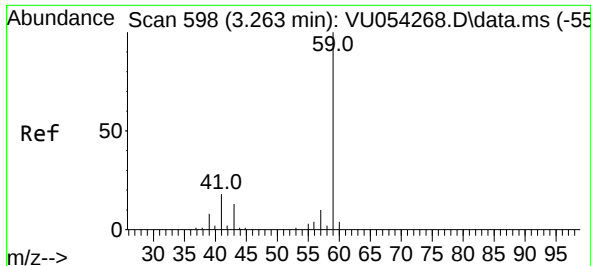
Tgt Ion:101 Resp: 96397
Ion Ratio Lower Upper
101 100
85 42.6 33.9 50.9
151 74.2 64.0 96.0



#10
Methyl Iodide
Concen: 53.998 ug/l
RT: 2.716 min Scan# 428
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:142 Resp: 120288
Ion Ratio Lower Upper
142 100
127 42.2 32.5 48.7
141 14.0 11.4 17.0

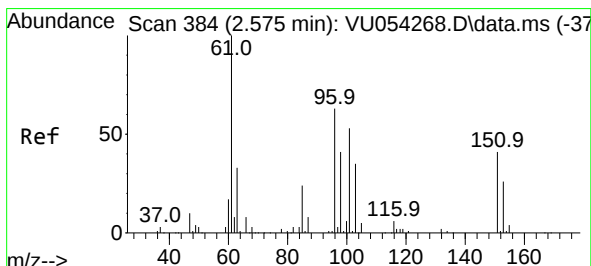
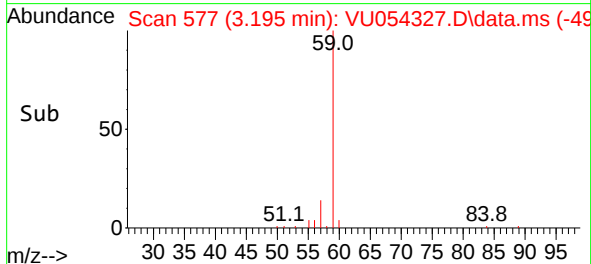
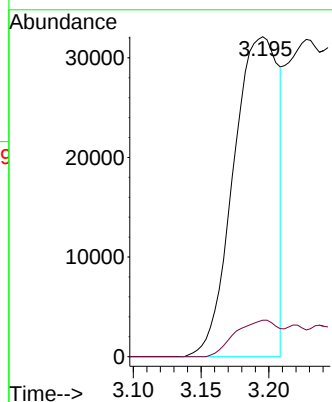
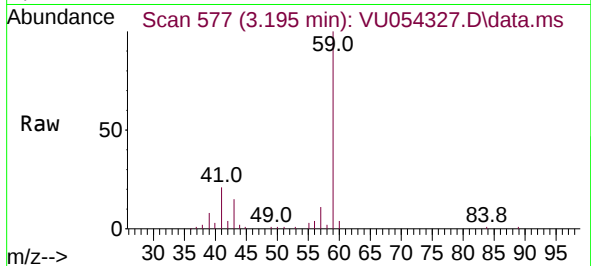




#11
Tert butyl alcohol
Concen: 116.877 ug/l
RT: 3.195 min Scan# 51
Delta R.T. -0.048 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

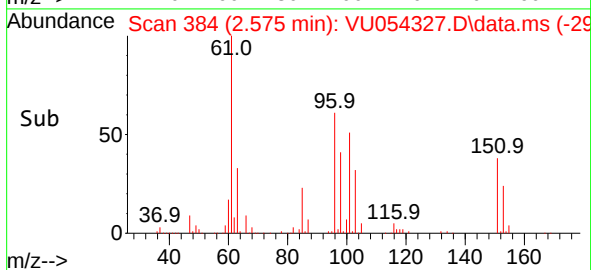
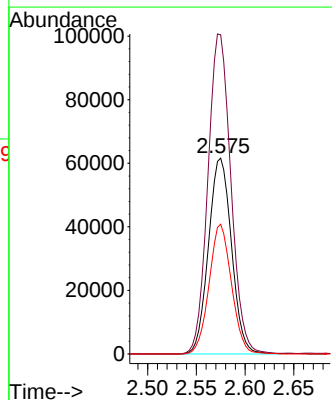
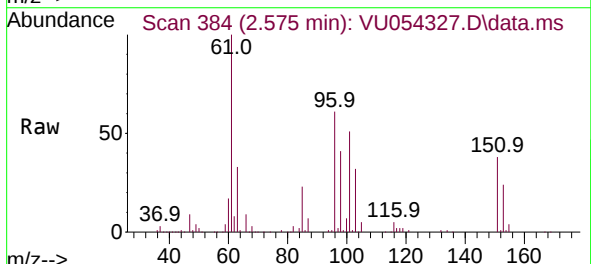
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

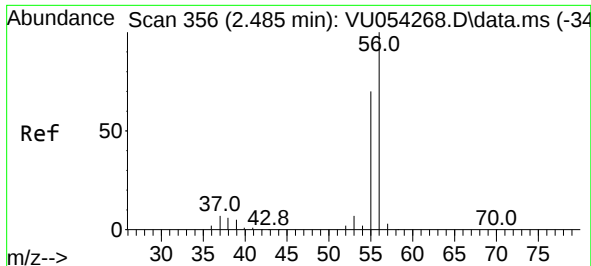
Tgt Ion: 59 Resp: 73818
Ion Ratio Lower Upper
59 100
57 11.5 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 52.864 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 96 Resp: 101423
Ion Ratio Lower Upper
96 100
61 163.0 122.2 183.2
98 66.3 50.7 76.1





#13

Acrolein

Concen: 169.849 ug/l

RT: 2.482 min Scan# 311

Delta R.T. -0.003 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

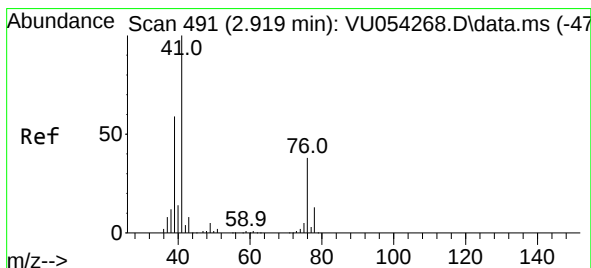
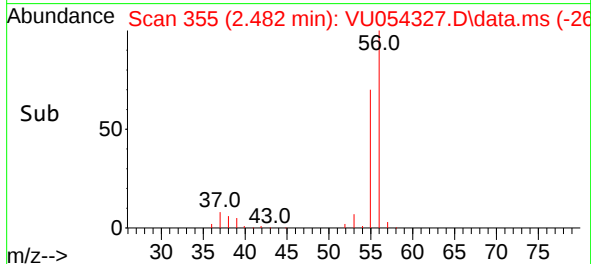
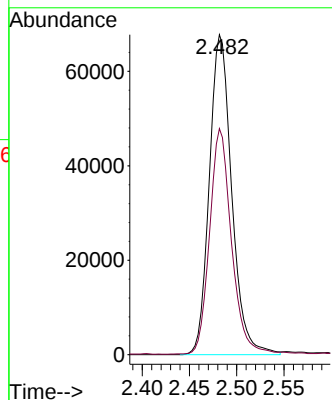
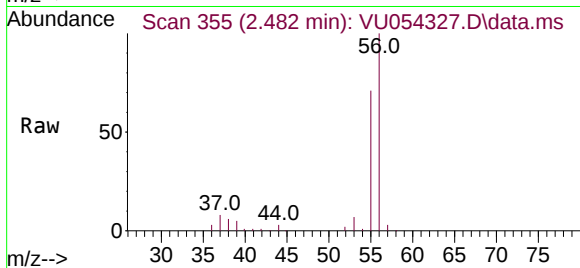
GM38-RW3-MW1-20230523MSD

Tgt Ion: 56 Resp: 111599

Ion Ratio Lower Upper

56 100

55 68.9 56.6 85.0



#14

Allyl chloride

Concen: 45.106 ug/l

RT: 2.916 min Scan# 490

Delta R.T. -0.003 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

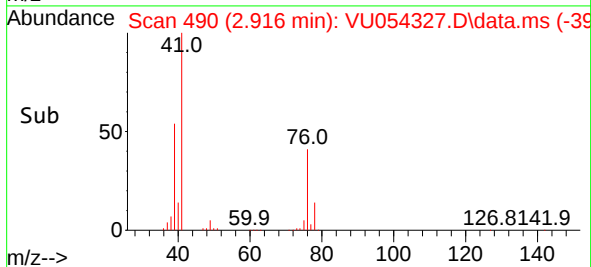
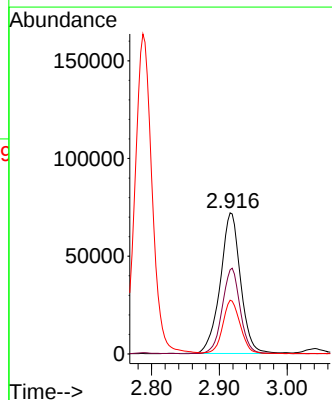
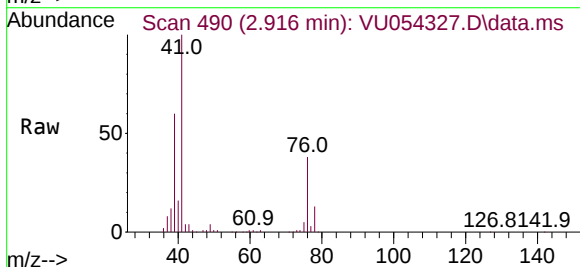
Tgt Ion: 41 Resp: 150048

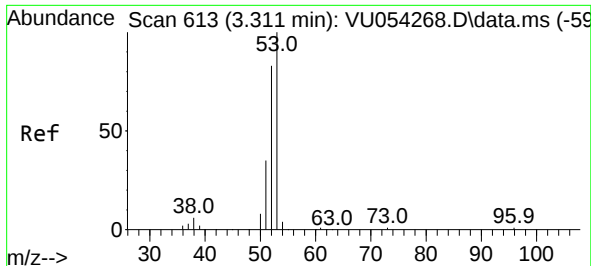
Ion Ratio Lower Upper

41 100

39 53.4 53.4 80.2#

76 32.3 33.8 50.6#

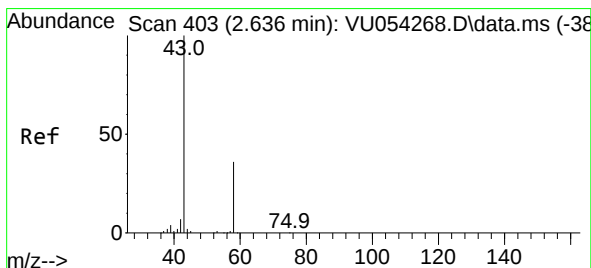
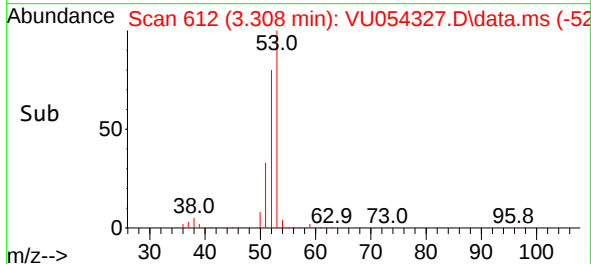
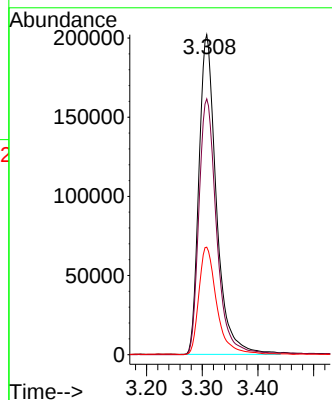
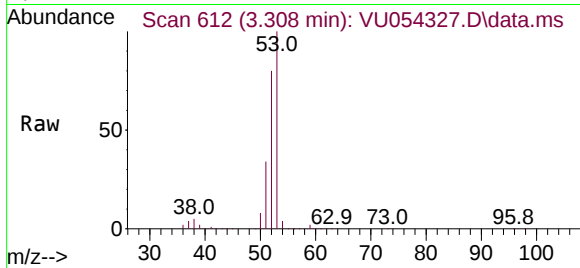




#15
Acrylonitrile
Concen: 310.053 ug/l
RT: 3.308 min Scan# 613
Delta R.T. -0.003 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

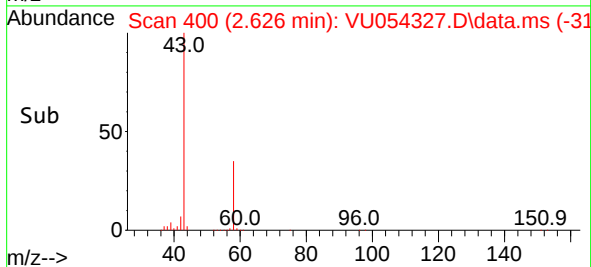
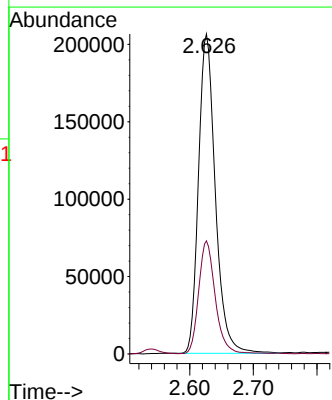
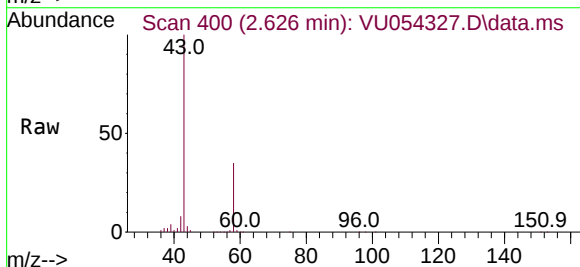
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

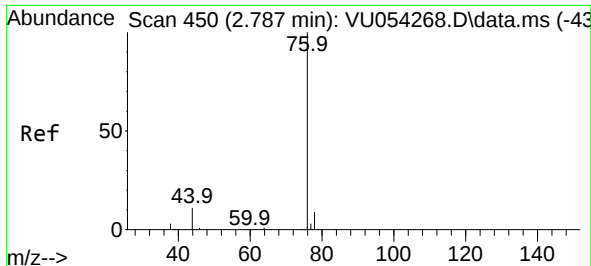
Tgt Ion: 53 Resp: 439057
Ion Ratio Lower Upper
53 100
52 81.4 65.7 98.5
51 34.4 28.2 42.4



#16
Acetone
Concen: 282.994 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 43 Resp: 379285
Ion Ratio Lower Upper
43 100
58 35.3 27.5 41.3

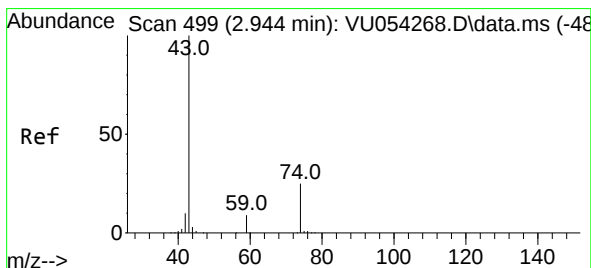
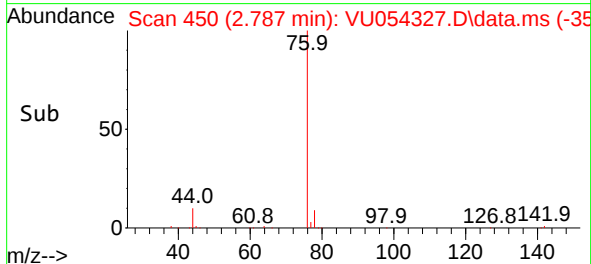
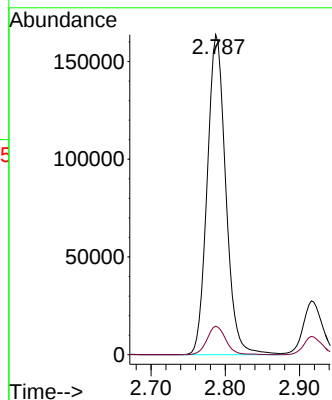
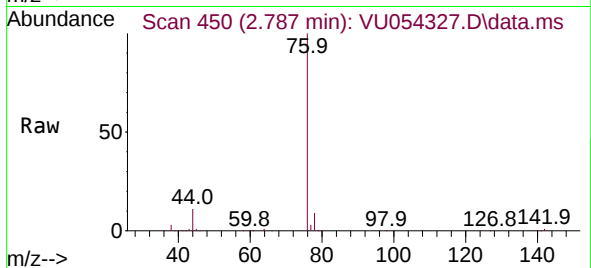




#17
Carbon Disulfide
Concen: 50.137 ug/l
RT: 2.787 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

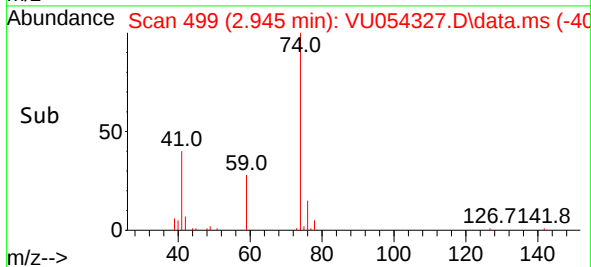
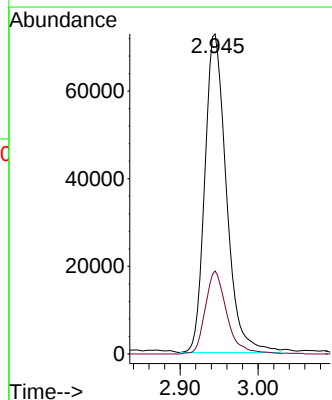
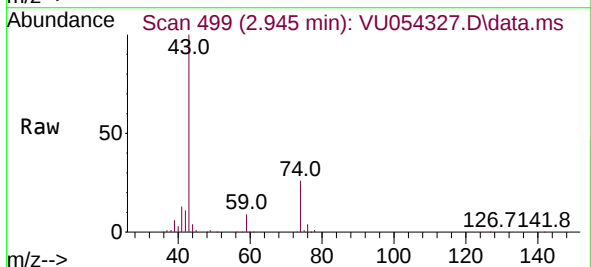
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

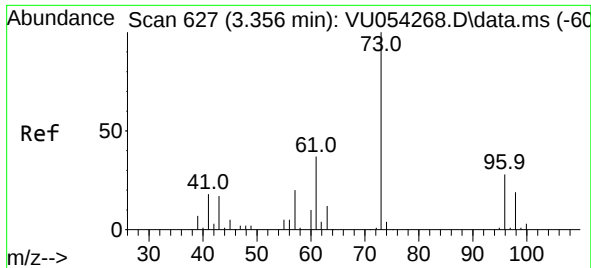
Tgt Ion: 76 Resp: 284280
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 28.590 ug/l
RT: 2.945 min Scan# 499
Delta R.T. 0.001 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 43 Resp: 139908
Ion Ratio Lower Upper
43 100
74 26.0 22.5 33.7

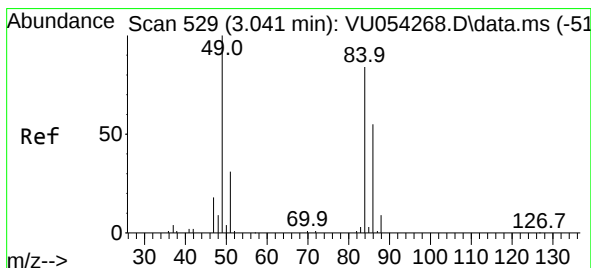
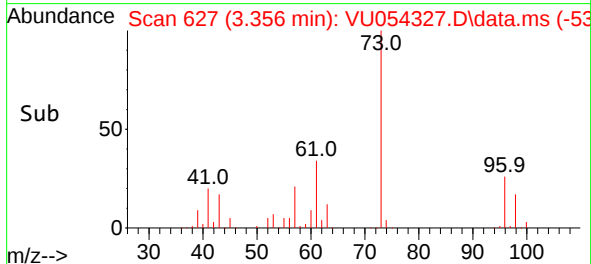
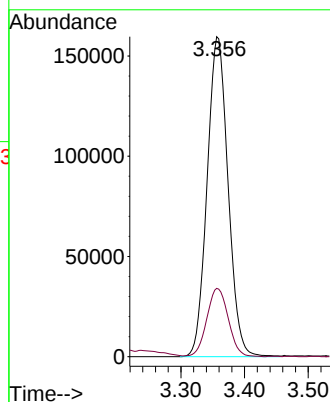
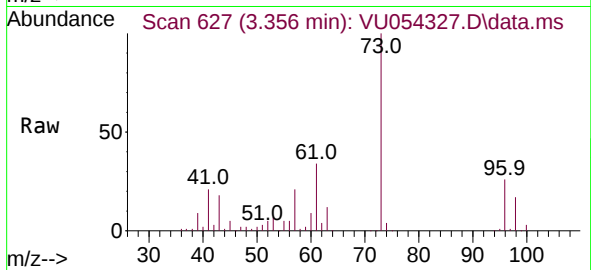




#19
Methyl tert-butyl Ether
Concen: 58.059 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

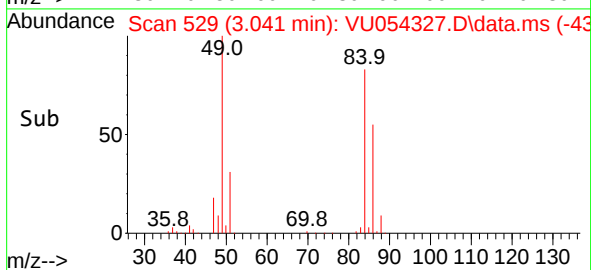
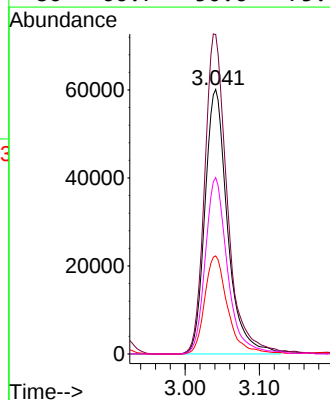
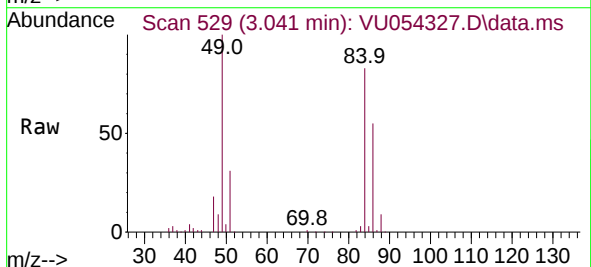
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

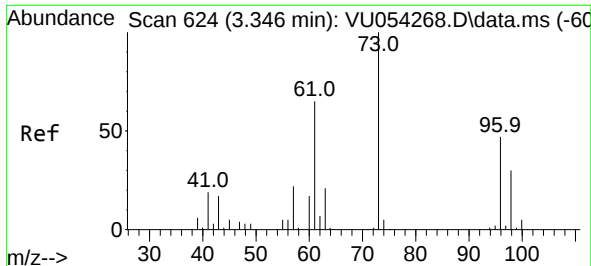
Tgt Ion: 73 Resp: 364623
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7



#20
Methylene Chloride
Concen: 52.517 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 84 Resp: 126982
Ion Ratio Lower Upper
84 100
49 120.8 86.6 129.8
51 37.1 26.6 40.0
86 66.7 50.6 75.8

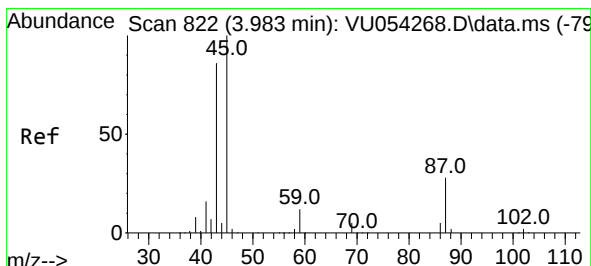
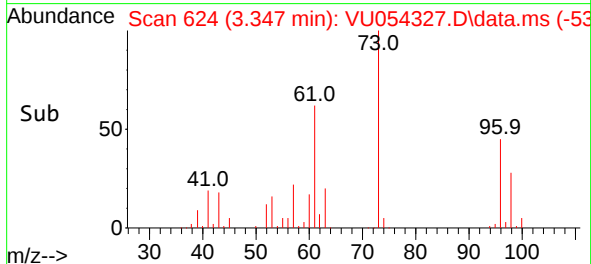
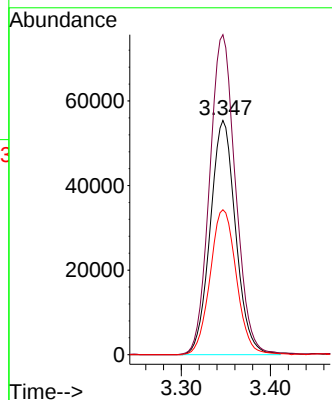
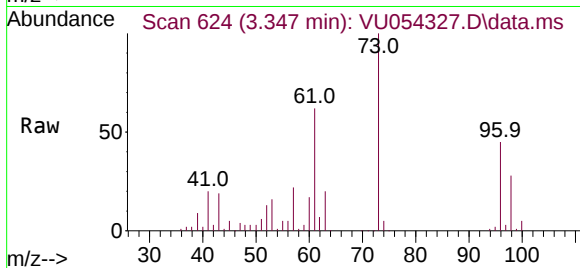




#21
trans-1,2-Dichloroethene
Concen: 53.528 ug/l
RT: 3.347 min Scan# 61
Delta R.T. 0.001 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

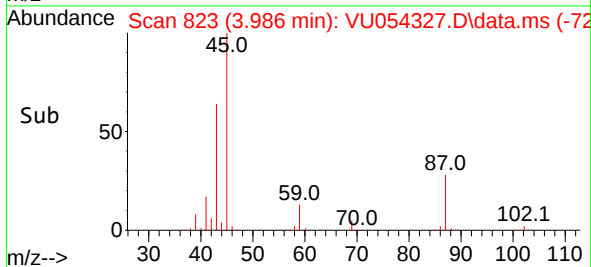
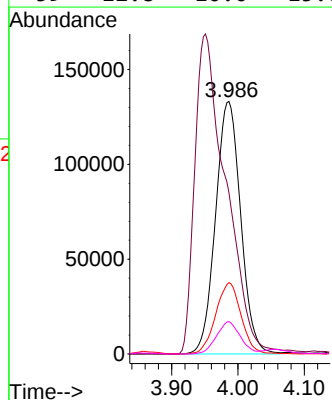
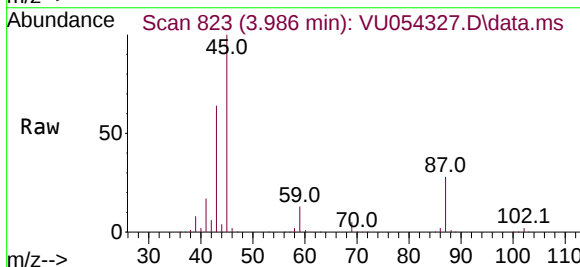
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

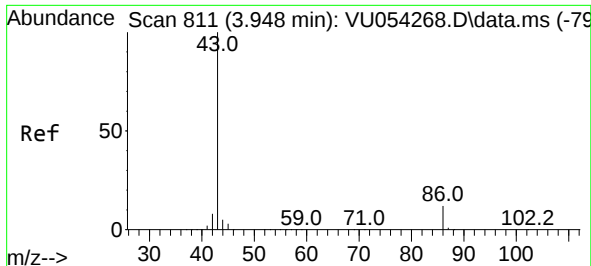
Tgt Ion: 96 Resp: 109949
Ion Ratio Lower Upper
96 100
61 136.4 106.1 159.1
98 61.9 50.8 76.2



#22
Diisopropyl ether
Concen: 59.589 ug/l
RT: 3.986 min Scan# 823
Delta R.T. 0.003 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 45 Resp: 351338
Ion Ratio Lower Upper
45 100
43 63.4 92.9 139.3#
87 28.3 26.2 39.2
59 12.8 10.0 15.0

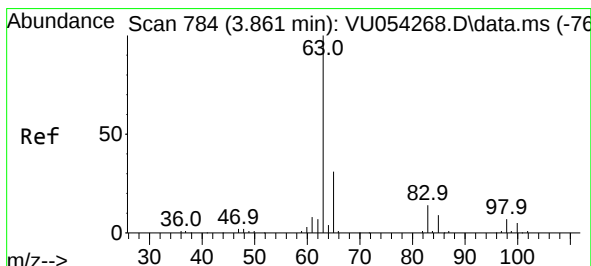
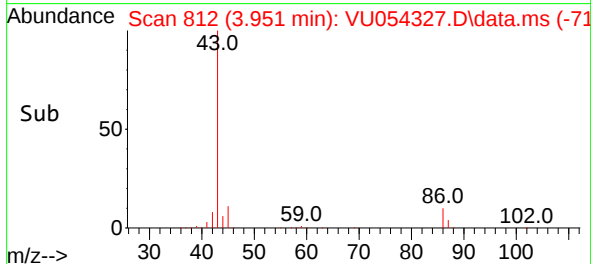
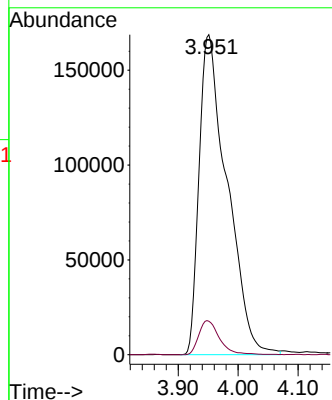
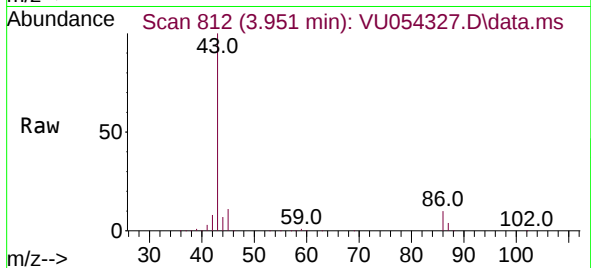




#23
 Vinyl Acetate
 Concen: 127.461 ug/l
 RT: 3.951 min Scan# 811
 Delta R.T. 0.003 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

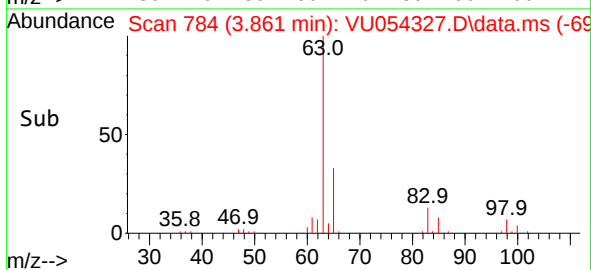
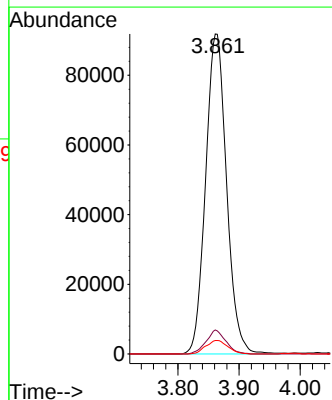
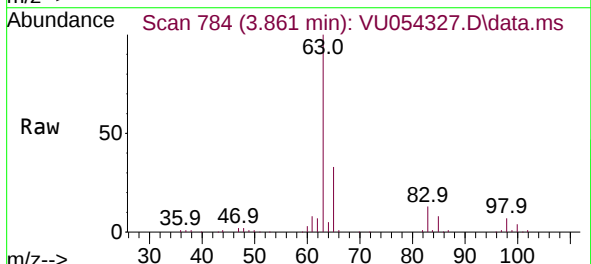
Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523MSD

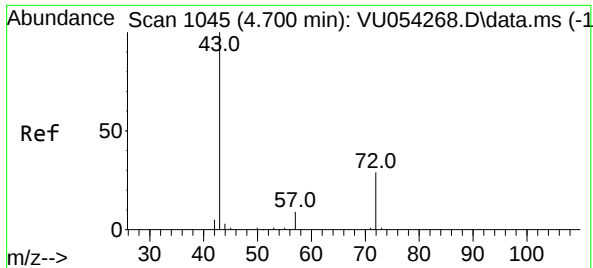
Tgt Ion: 43 Resp: 548374
 Ion Ratio Lower Upper
 43 100
 86 10.4 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 58.052 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

Tgt Ion: 63 Resp: 219167
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.6 10.9
 100 4.2 2.4 7.2





#25

2-Butanone

Concen: 313.127 ug/l

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

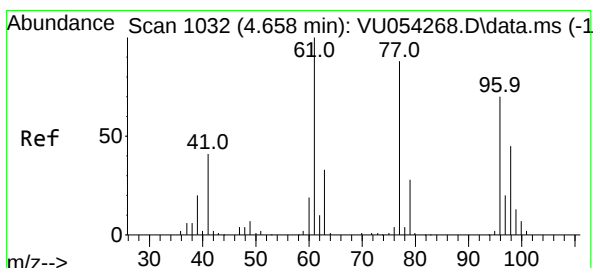
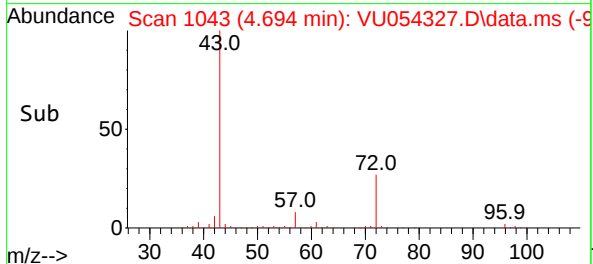
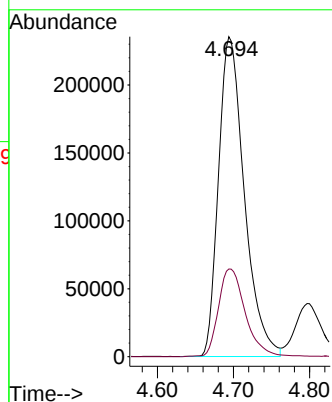
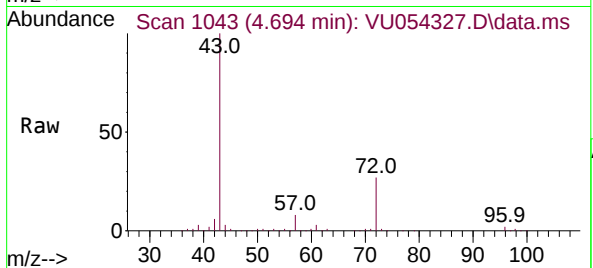
GM38-RW3-MW1-20230523MSD

Tgt Ion: 43 Resp: 555645

Ion Ratio Lower Upper

43 100

72 27.4 23.8 35.6



#26

2,2-Dichloropropane

Concen: 5.519 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054327.D

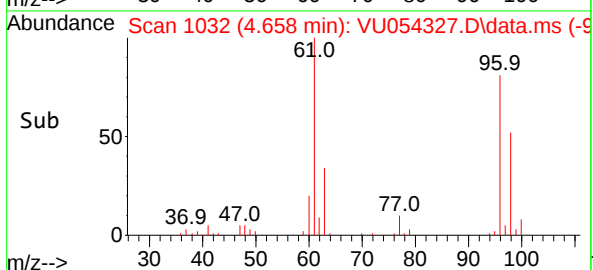
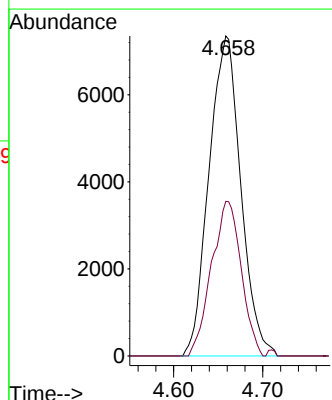
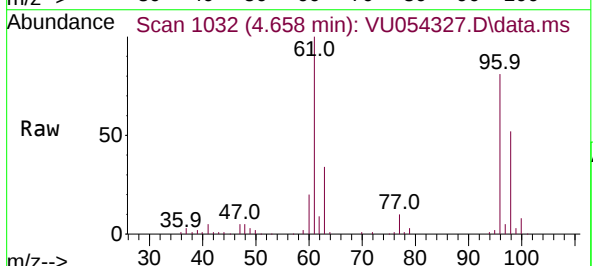
Acq: 30 May 2023 20:30

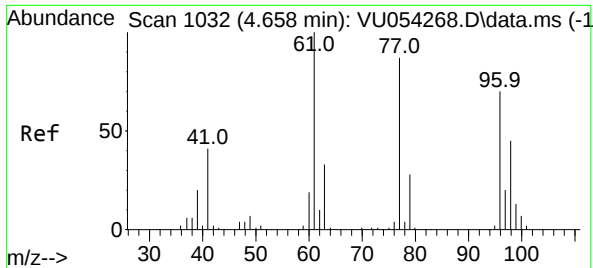
Tgt Ion: 77 Resp: 18209

Ion Ratio Lower Upper

77 100

97 45.2 11.6 34.8#

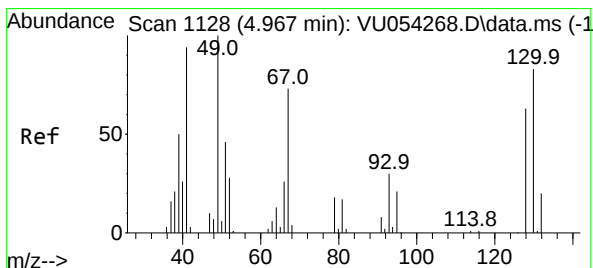
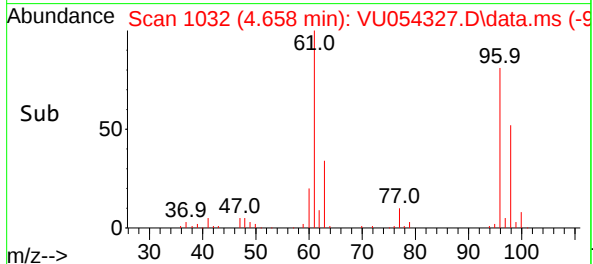
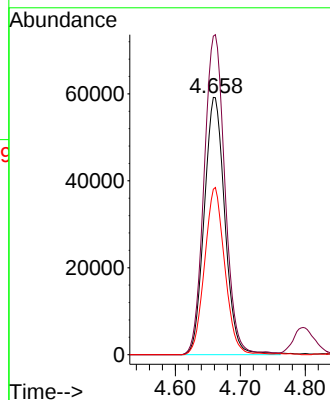
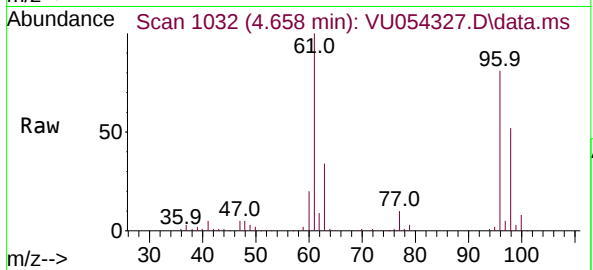




#27
 cis-1,2-Dichloroethene
 Concen: 57.224 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

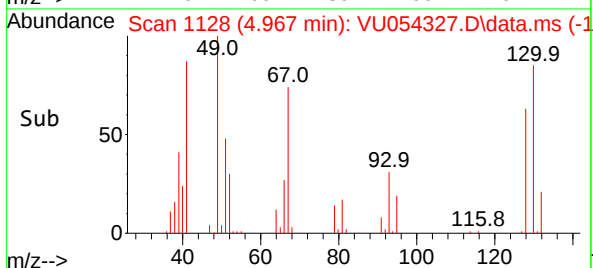
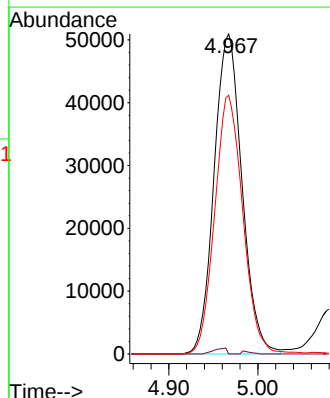
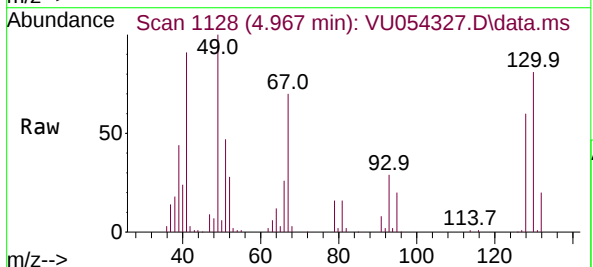
Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523MSD

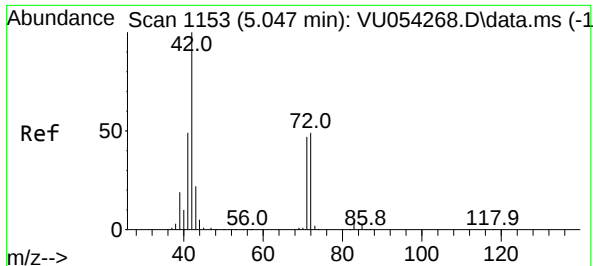
Tgt Ion: 96 Resp: 130755
 Ion Ratio Lower Upper
 96 100
 61 125.3 0.0 271.6
 98 63.3 0.0 128.2



#28
 Bromochloromethane
 Concen: 63.465 ug/l
 RT: 4.967 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

Tgt Ion: 49 Resp: 110877
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.6
 130 81.5 76.9 115.3





#29

Tetrahydrofuran

Concen: 323.509 ug/l

RT: 5.044 min Scan# 1152

Delta R.T. -0.003 min

Lab File: VU054327.D

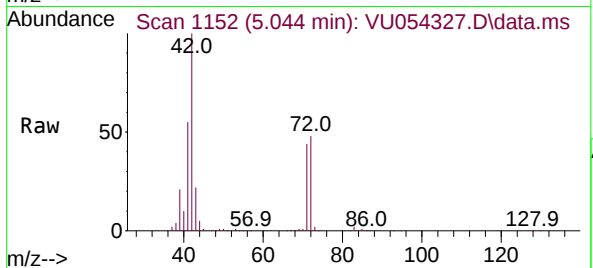
Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD



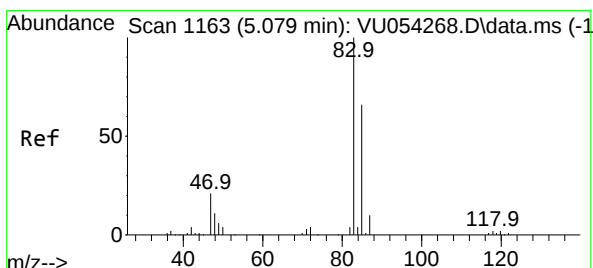
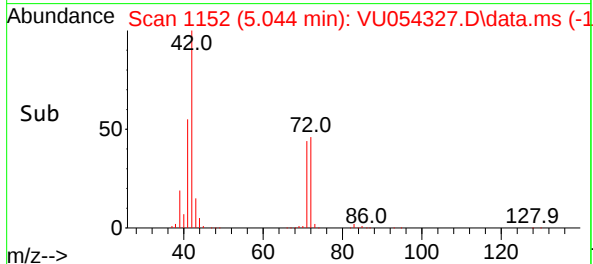
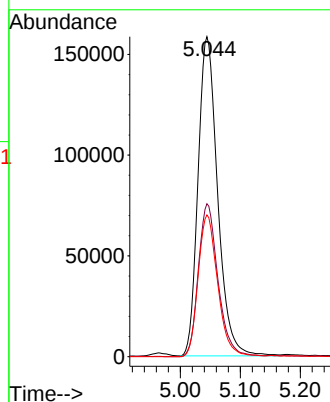
Tgt Ion: 42 Resp: 360848

Ion Ratio Lower Upper

42 100

72 48.0 42.6 63.8

71 44.3 40.3 60.5



#30

Chloroform

Concen: 56.806 ug/l

RT: 5.080 min Scan# 1163

Delta R.T. 0.001 min

Lab File: VU054327.D

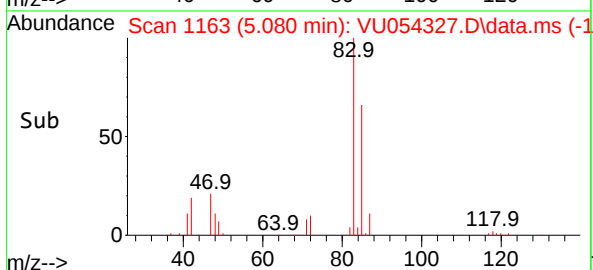
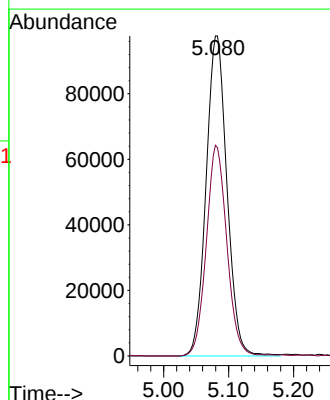
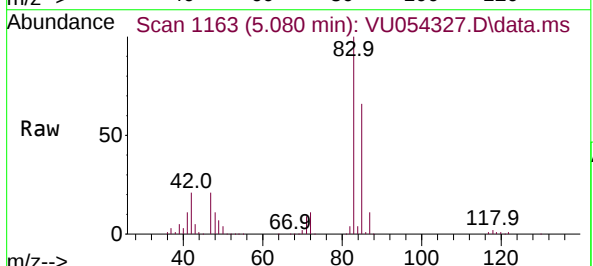
Acq: 30 May 2023 20:30

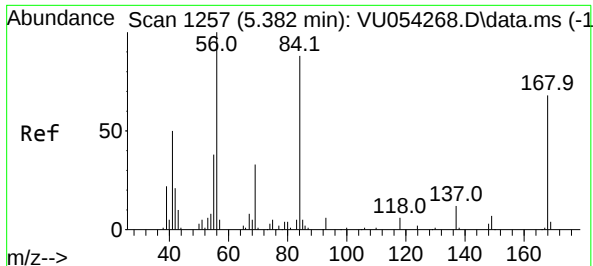
Tgt Ion: 83 Resp: 218008

Ion Ratio Lower Upper

83 100

85 65.8 51.2 76.8

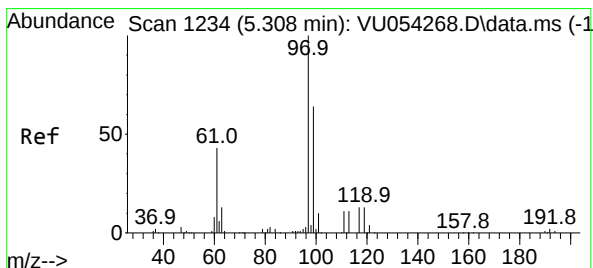
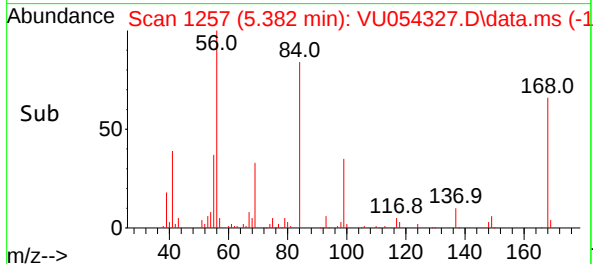
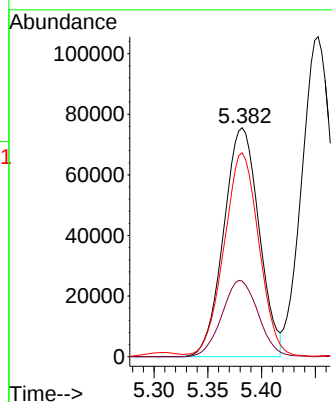
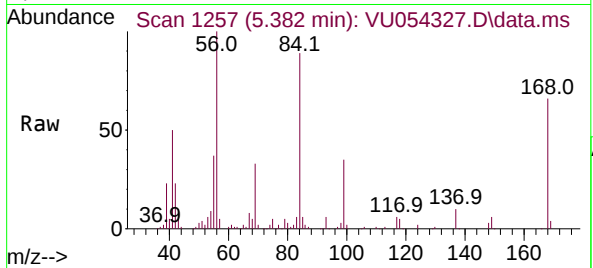




#31
Cyclohexane
Concen: 52.372 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

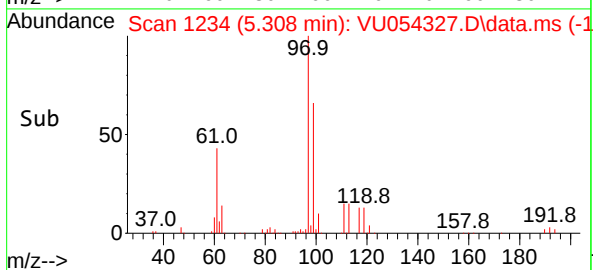
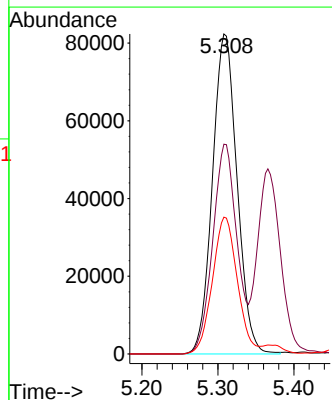
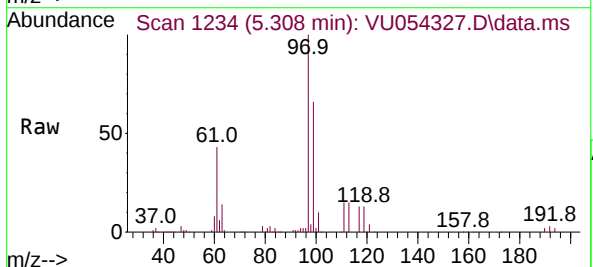
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

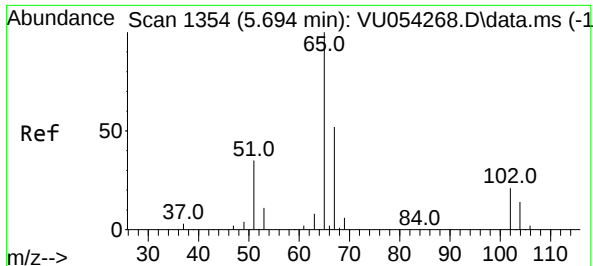
Tgt Ion: 56 Resp: 172908
Ion Ratio Lower Upper
56 100
69 33.0 27.8 41.8
84 88.0 74.2 111.4



#32
1,1,1-Trichloroethane
Concen: 55.545 ug/l
RT: 5.308 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 97 Resp: 185063
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 43.5 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 59.439 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

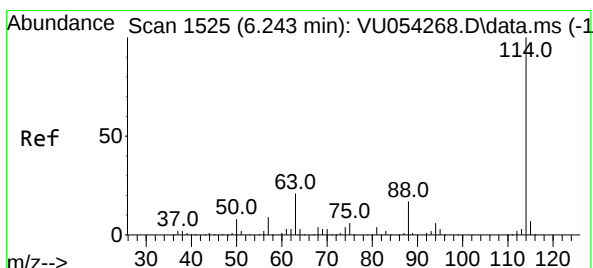
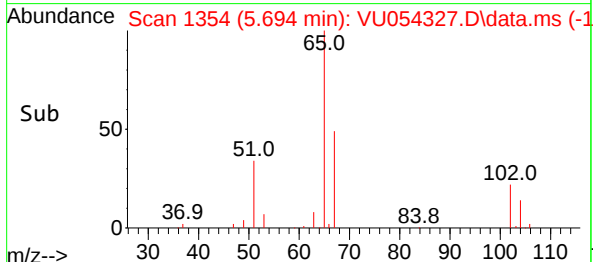
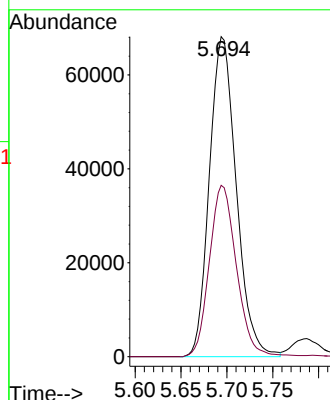
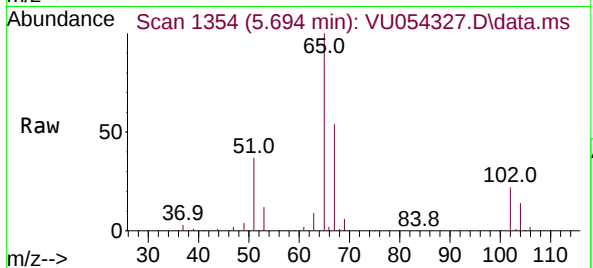
GM38-RW3-MW1-20230523MSD

Tgt Ion: 65 Resp: 138978

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. 0.001 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

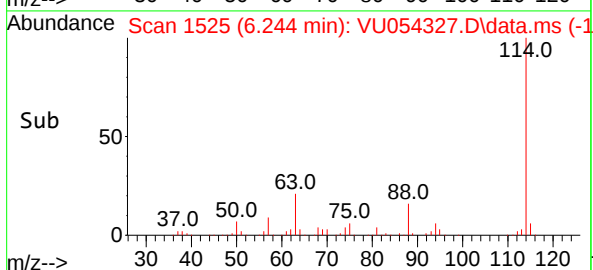
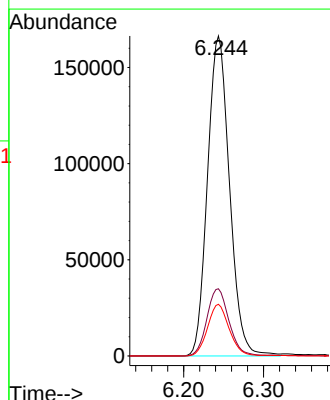
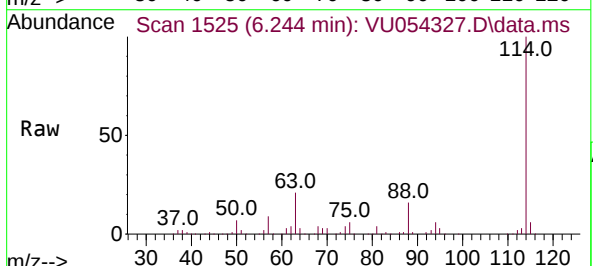
Tgt Ion: 114 Resp: 318435

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.8

88 16.1 0.0 29.2

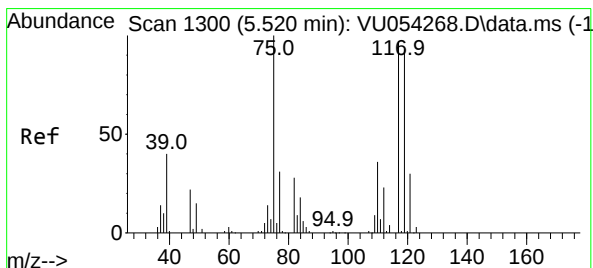
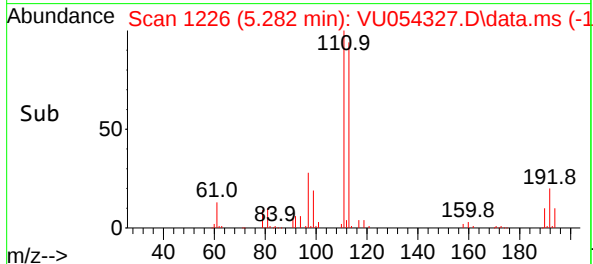
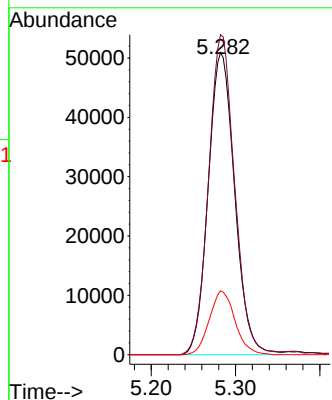
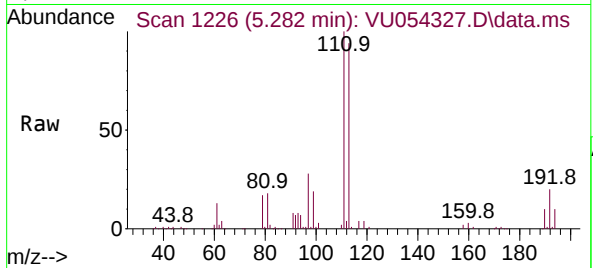




#35
Dibromofluoromethane
Concen: 54.185 ug/l
RT: 5.282 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

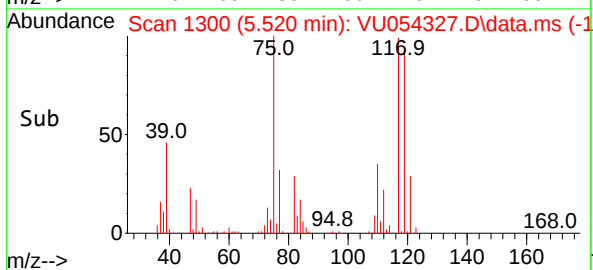
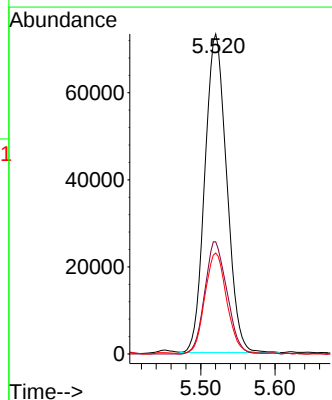
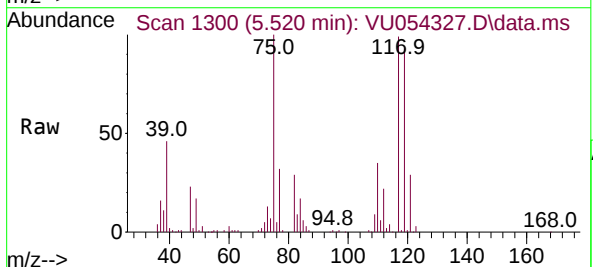
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

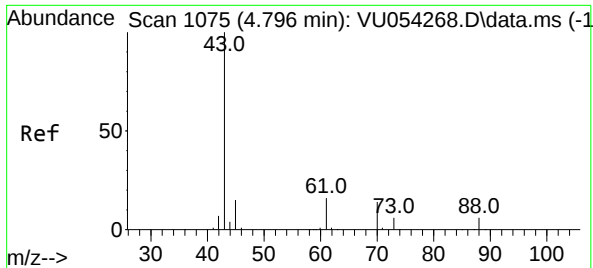
Tgt Ion:113 Resp: 111114
Ion Ratio Lower Upper
113 100
111 104.1 82.1 123.1
192 20.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 46.288 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 75 Resp: 149089
Ion Ratio Lower Upper
75 100
110 36.0 18.4 55.2
77 32.1 25.1 37.7

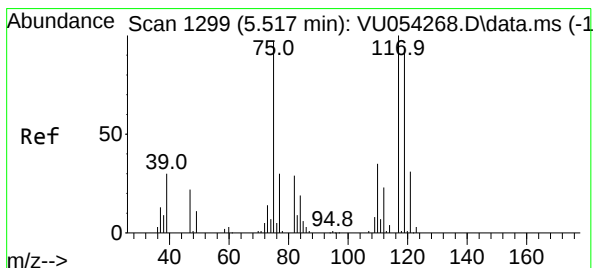
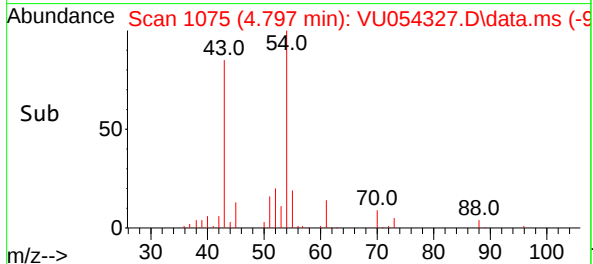
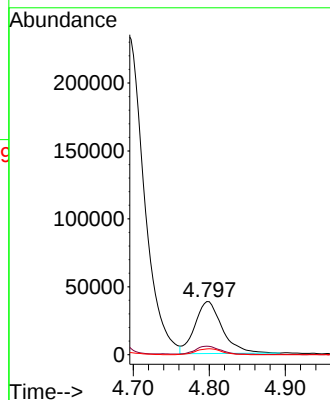
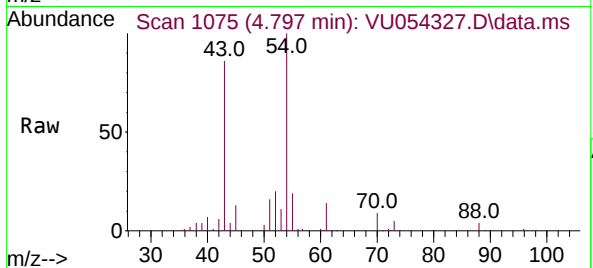




#37
Ethyl Acetate
Concen: 24.340 ug/l
RT: 4.797 min Scan# 1075
Delta R.T. 0.001 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

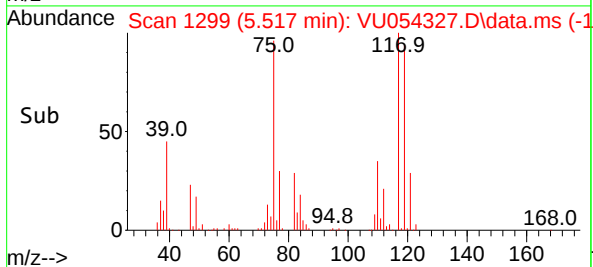
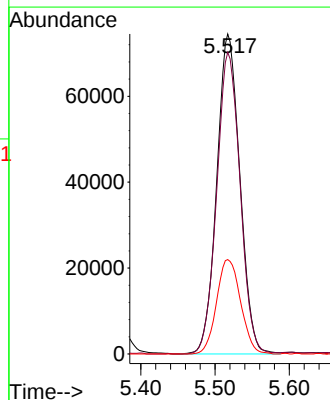
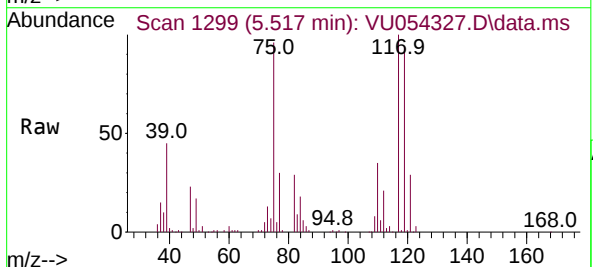
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

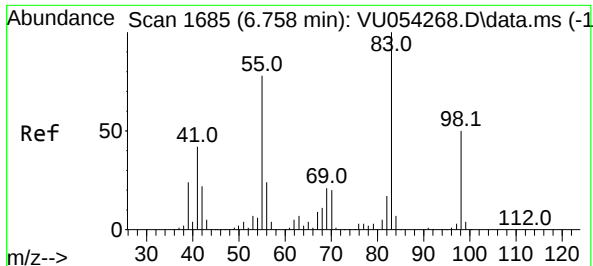
Tgt Ion: 43 Resp: 95544
Ion Ratio Lower Upper
43 100
61 15.1 9.5 14.3#
70 10.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 48.982 ug/l
RT: 5.517 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 117 Resp: 161481
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2
121 29.5 24.7 37.1





#39

Methylcyclohexane

Concen: 42.490 ug/l

RT: 6.758 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

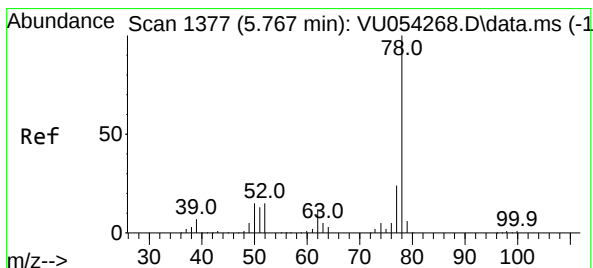
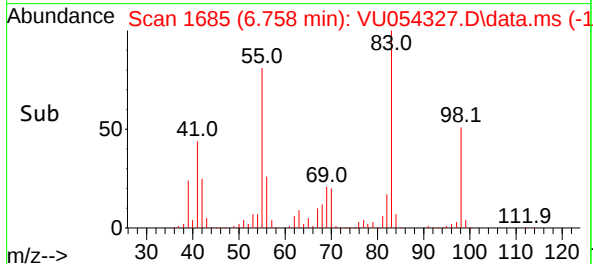
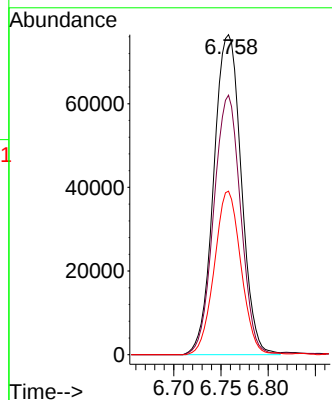
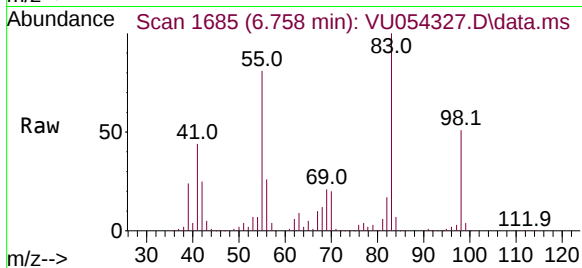
Tgt Ion: 83 Resp: 155012

Ion Ratio Lower Upper

83 100

55 81.1 55.3 82.9

98 51.1 37.3 55.9



#40

Benzene

Concen: 51.760 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. 0.001 min

Lab File: VU054327.D

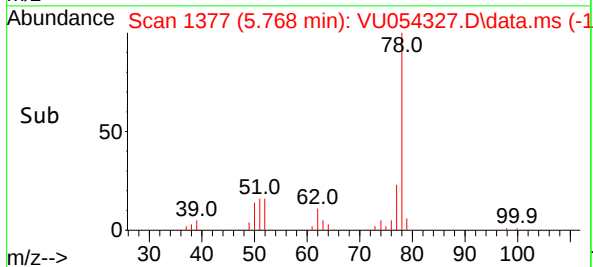
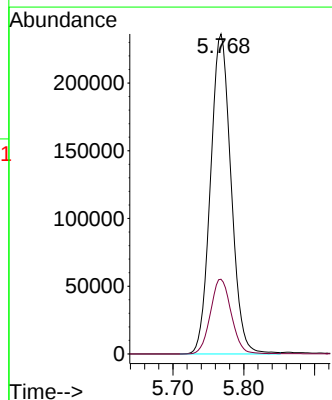
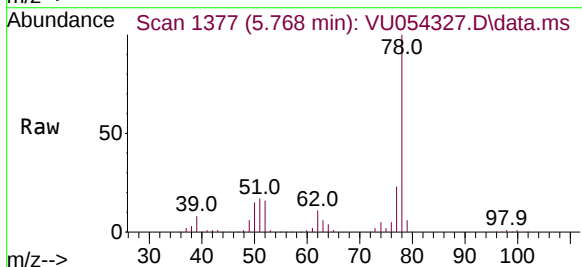
Acq: 30 May 2023 20:30

Tgt Ion: 78 Resp: 475529

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



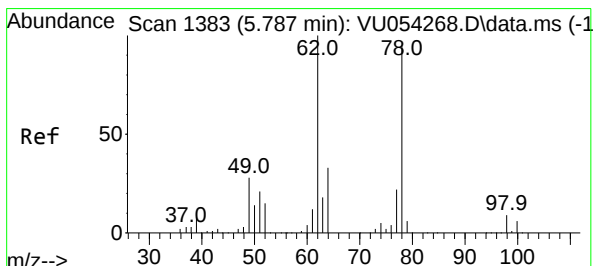
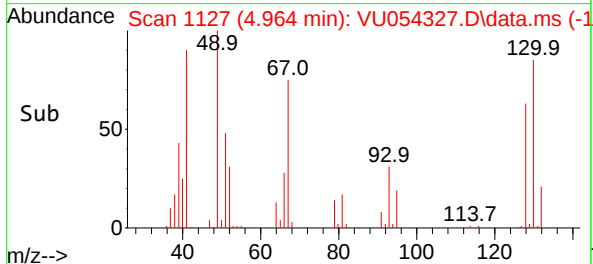
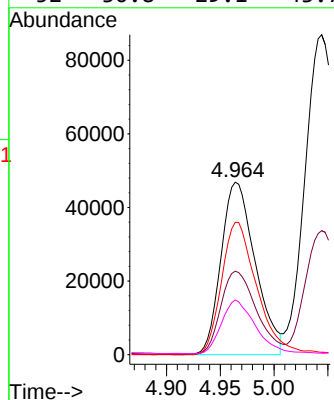
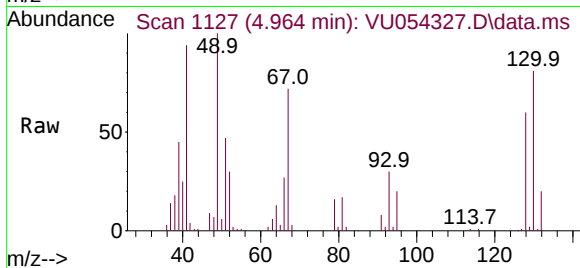


#41
Methacrylonitrile
Concen: 57.277 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

Tgt Ion: 41 Resp: 103910

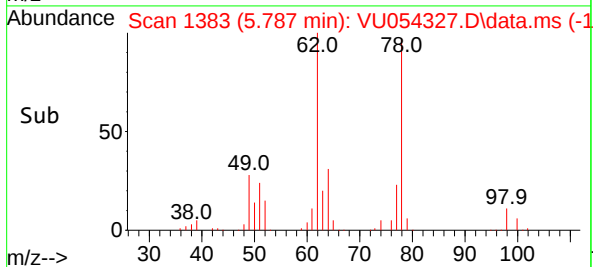
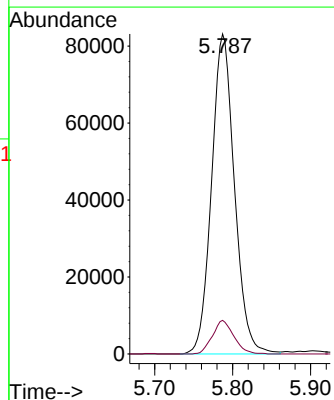
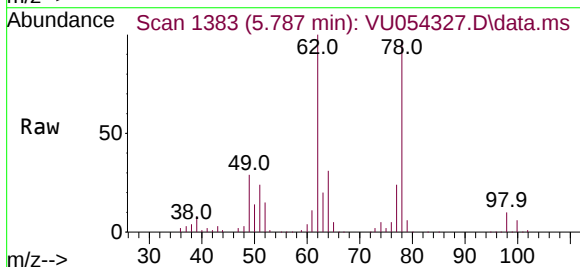
Ion	Ratio	Lower	Upper
41	100		
39	50.1	43.1	64.7
67	80.2	72.3	108.5
52	30.8	29.1	43.7

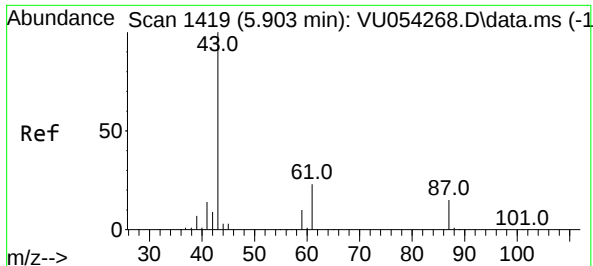


#42
1,2-Dichloroethane
Concen: 50.799 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 62 Resp: 169537

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 33.676 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

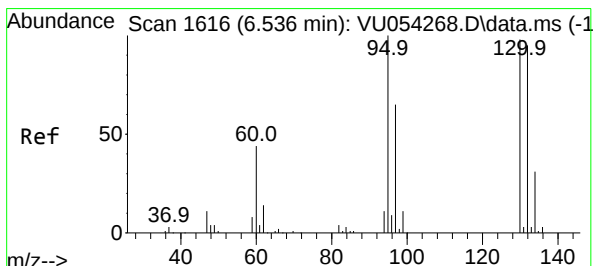
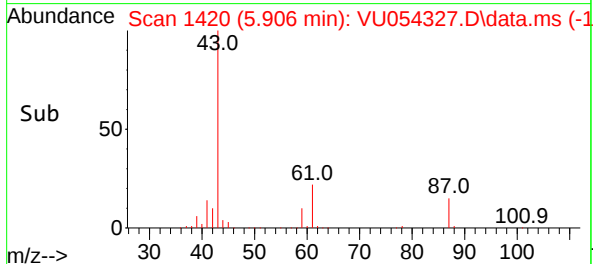
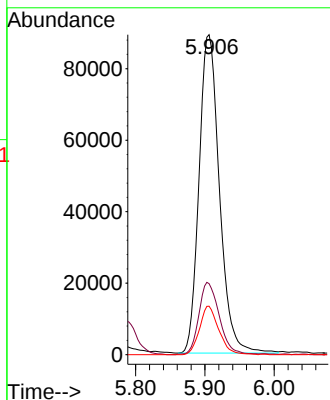
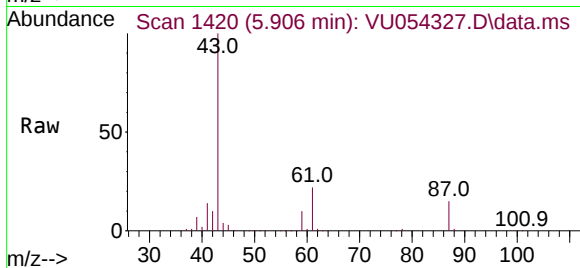
Tgt Ion: 43 Resp: 182336

Ion Ratio Lower Upper

43 100

61 22.8 17.4 26.0

87 14.4 12.6 18.8



#44

Trichloroethene

Concen: 65.235 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. 0.000 min

Lab File: VU054327.D

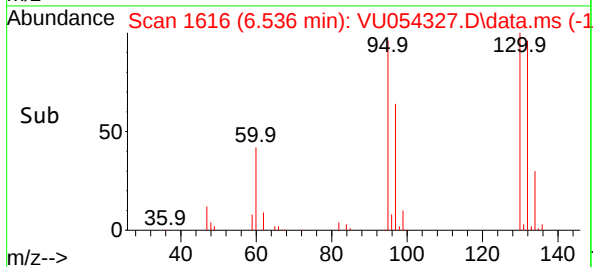
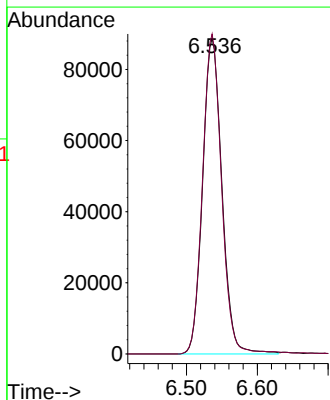
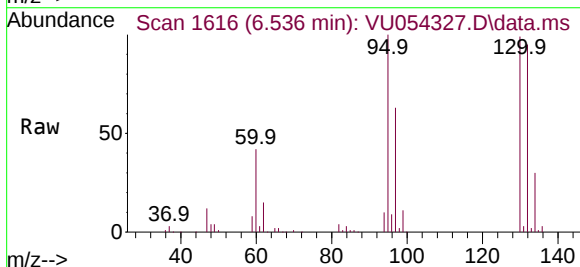
Acq: 30 May 2023 20:30

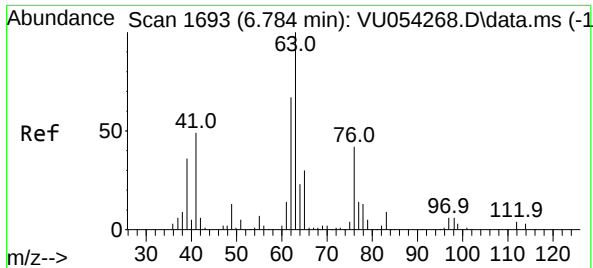
Tgt Ion:130 Resp: 167534

Ion Ratio Lower Upper

130 100

95 101.3 0.0 184.6





#45

1,2-Dichloropropane

Concen: 52.502 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

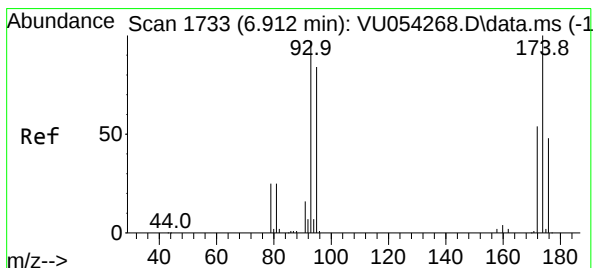
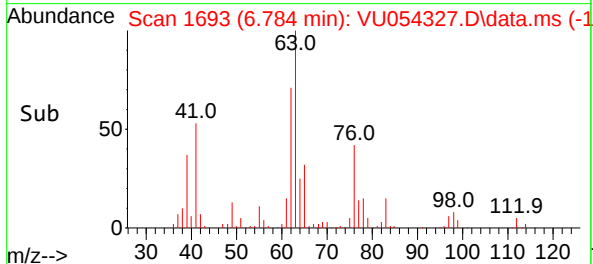
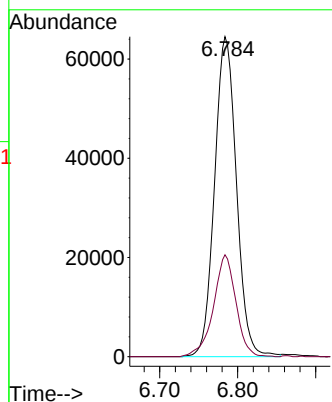
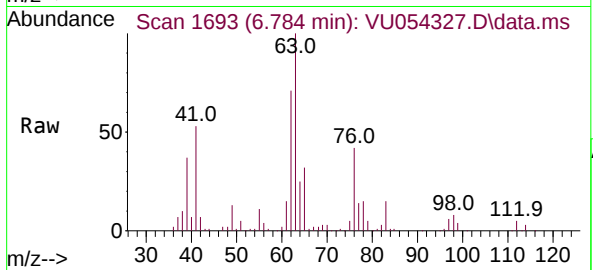
GM38-RW3-MW1-20230523MSD

Tgt Ion: 63 Resp: 125831

Ion Ratio Lower Upper

63 100

65 31.8 25.0 37.4



#46

Dibromomethane

Concen: 52.037 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

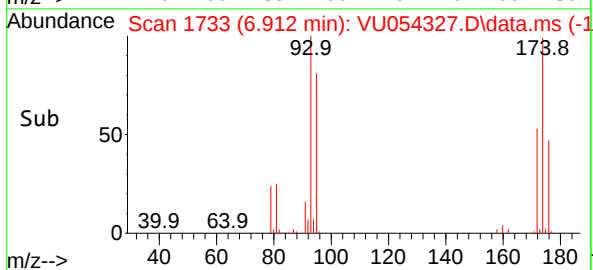
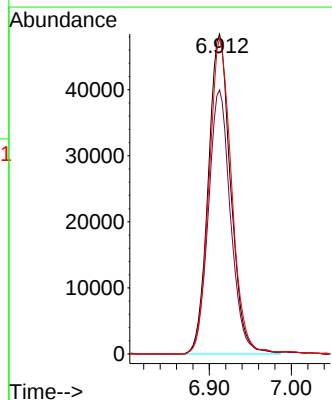
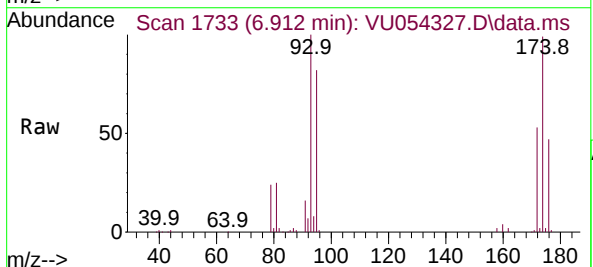
Tgt Ion: 93 Resp: 91804

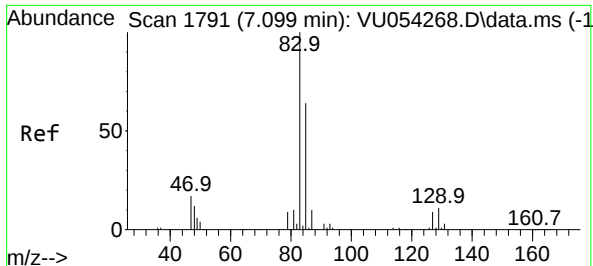
Ion Ratio Lower Upper

93 100

95 82.1 66.3 99.5

174 99.1 88.2 132.4

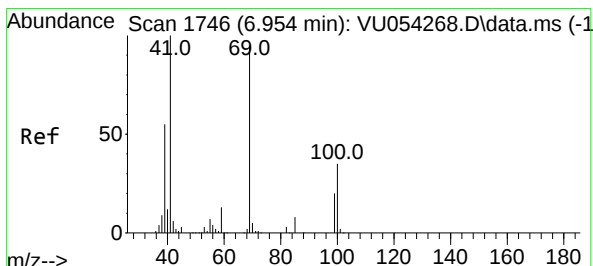
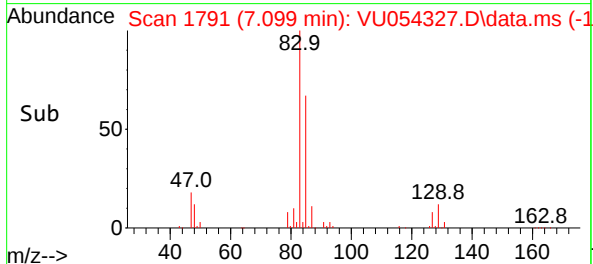
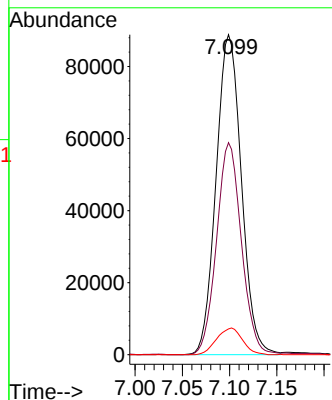
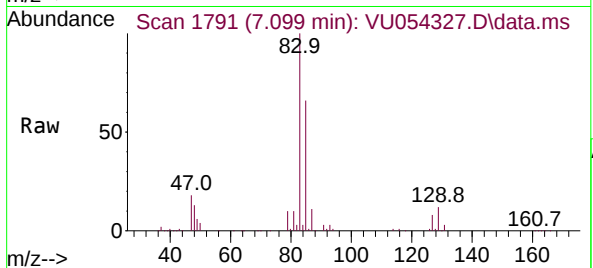




#47
Bromodichloromethane
Concen: 50.227 ug/l
RT: 7.099 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

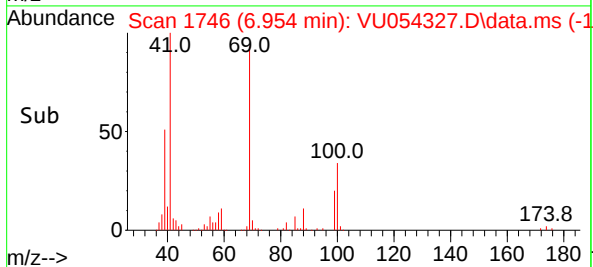
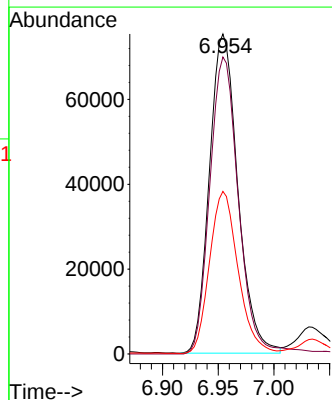
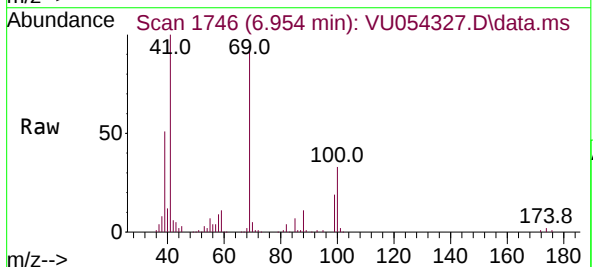
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

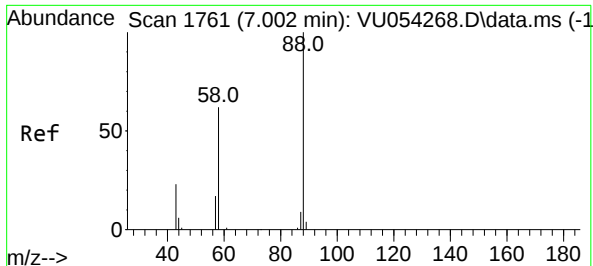
Tgt Ion: 83 Resp: 165712
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.2
127 8.1 7.1 10.7



#48
Methyl methacrylate
Concen: 55.656 ug/l
RT: 6.954 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 41 Resp: 133639
Ion Ratio Lower Upper
41 100
69 94.8 79.8 119.6
39 50.8 47.9 71.9





#49

1,4-Dioxane

Concen: 1272.760 ug/l

RT: 6.977 min Scan# 1

Delta R.T. -0.025 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

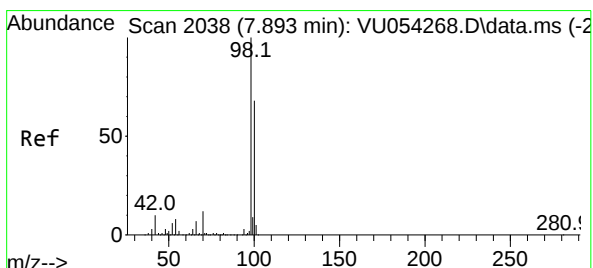
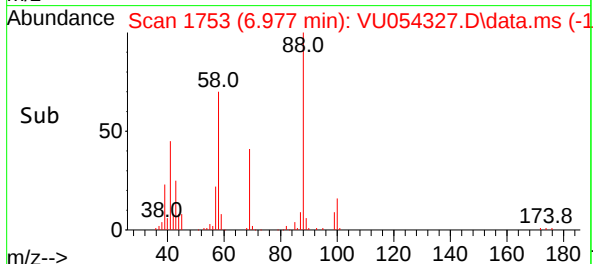
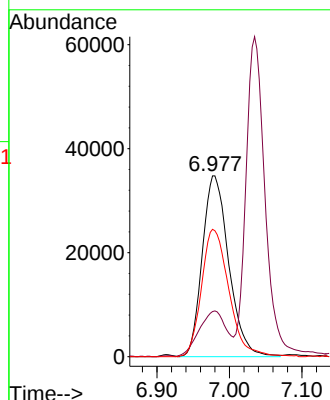
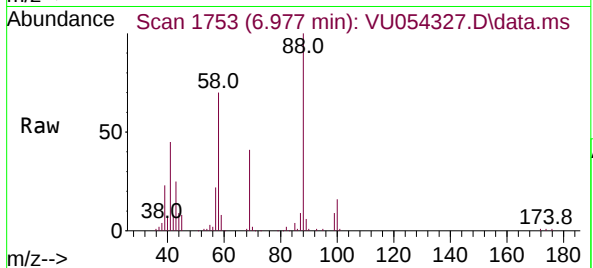
Tgt Ion: 88 Resp: 88227

Ion Ratio Lower Upper

88 100

43 26.2 0.0 0.0#

58 73.2 15.4 23.0#



#50

Toluene-d8

Concen: 52.517 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. 0.000 min

Lab File: VU054327.D

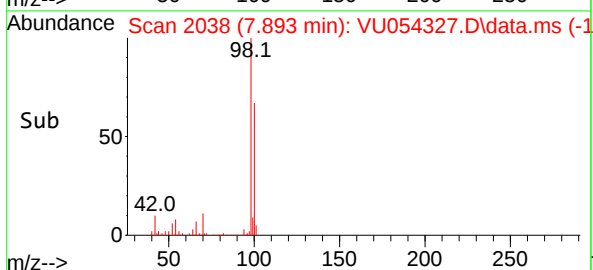
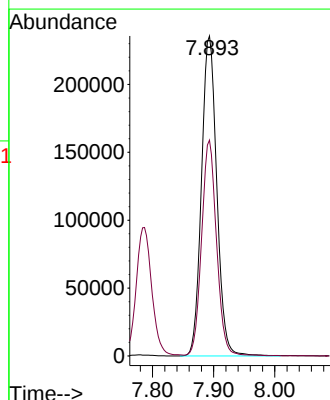
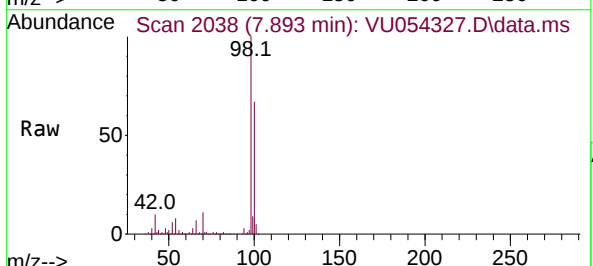
Acq: 30 May 2023 20:30

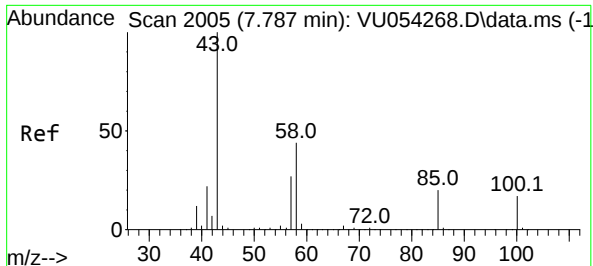
Tgt Ion: 98 Resp: 409635

Ion Ratio Lower Upper

98 100

100 65.7 51.7 77.5

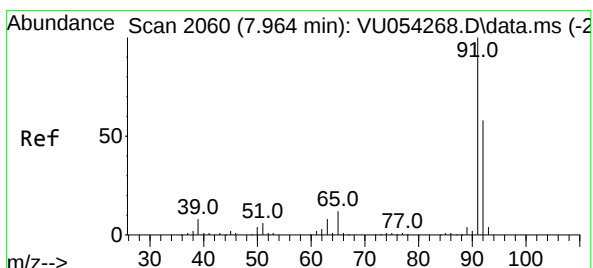
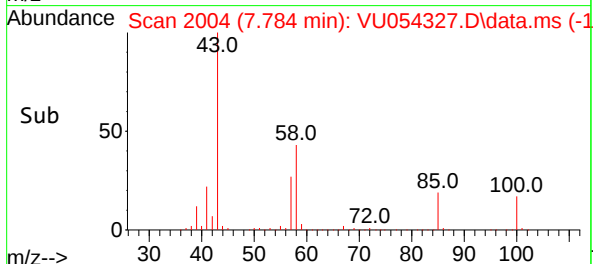
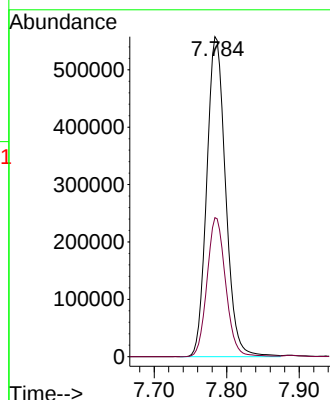
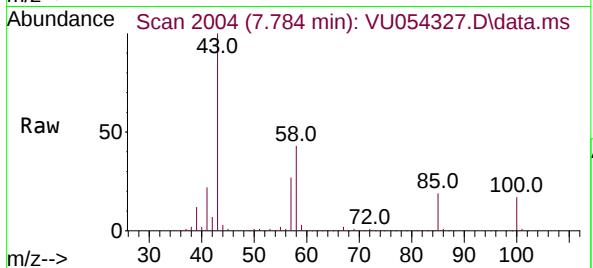




#51
4-Methyl-2-Pentanone
Concen: 278.607 ug/l
RT: 7.784 min Scan# 2004
Delta R.T. -0.003 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

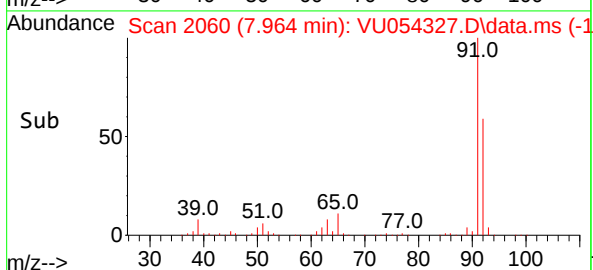
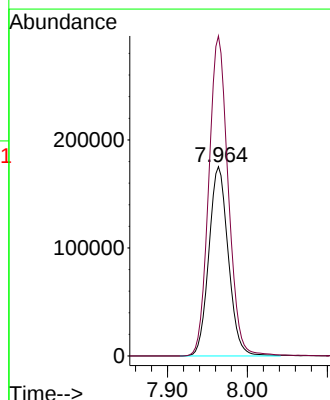
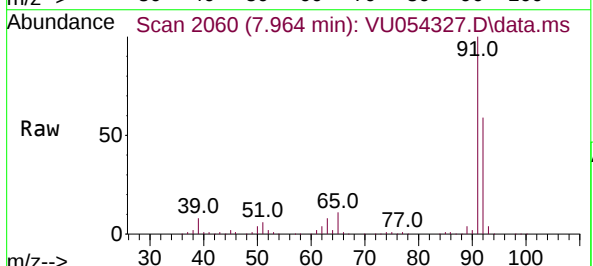
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

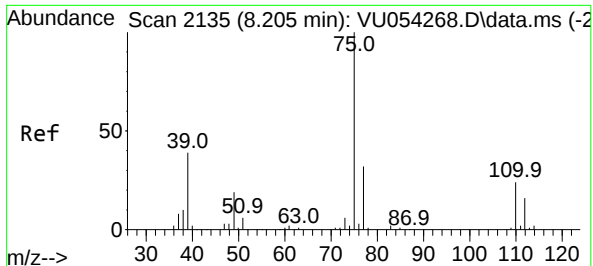
Tgt Ion: 43 Resp: 1006682
Ion Ratio Lower Upper
43 100
58 43.0 34.7 52.1



#52
Toluene
Concen: 50.453 ug/l
RT: 7.964 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 92 Resp: 295555
Ion Ratio Lower Upper
92 100
91 169.6 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 35.048 ug/l

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

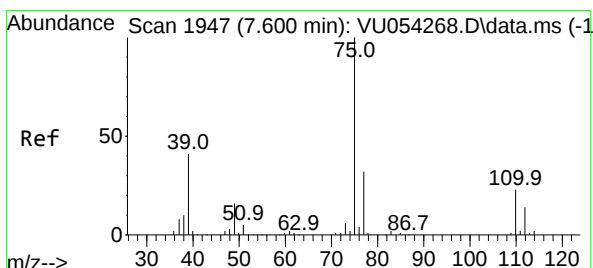
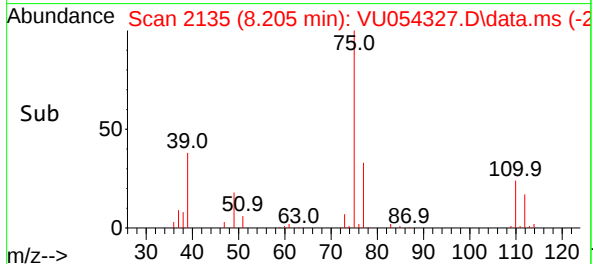
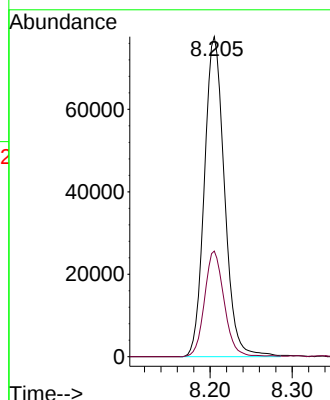
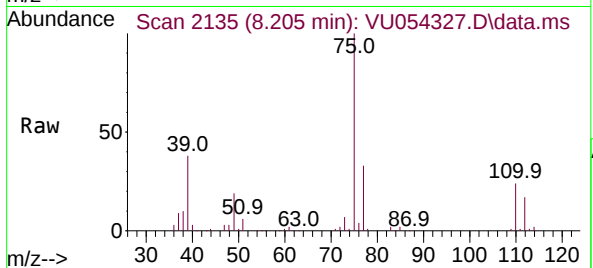
GM38-RW3-MW1-20230523MSD

Tgt Ion: 75 Resp: 132295

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 35.046 ug/l

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

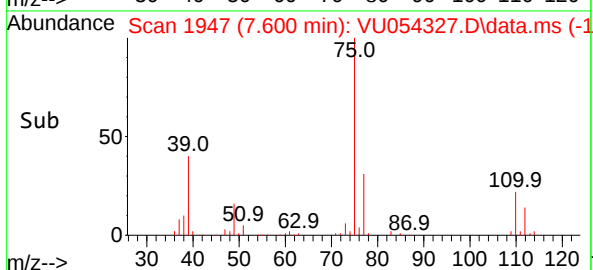
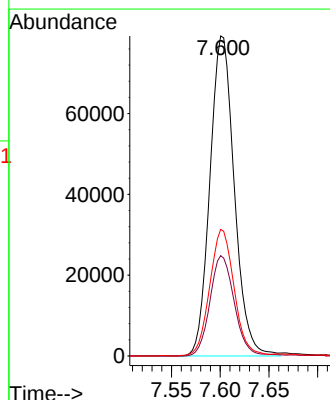
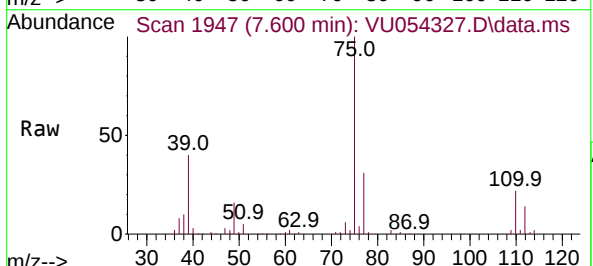
Tgt Ion: 75 Resp: 138054

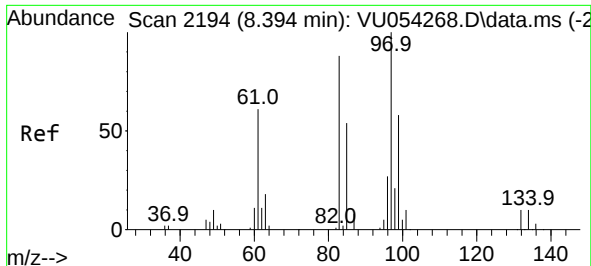
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 39.4 33.0 49.6





#55

1,1,2-Trichloroethane

Concen: 52.145 ug/l

RT: 8.395 min Scan# 2194

Delta R.T. 0.001 min

Lab File: VU054327.D

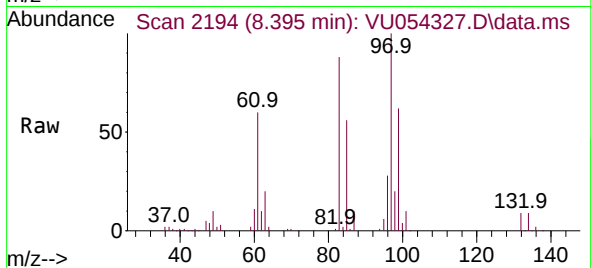
Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD



Tgt Ion: 97 Resp: 126594

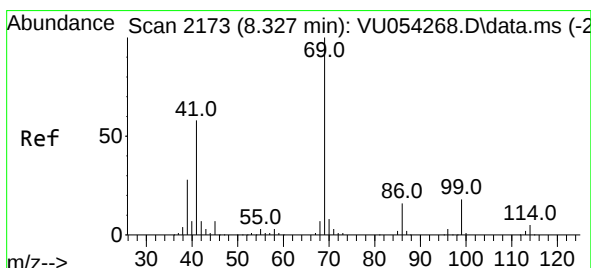
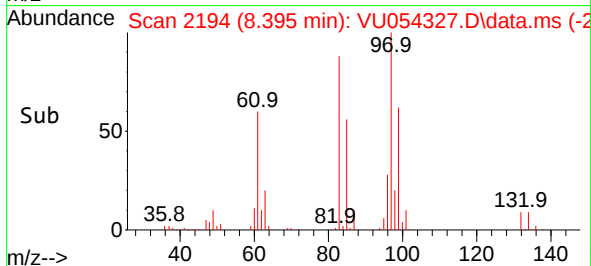
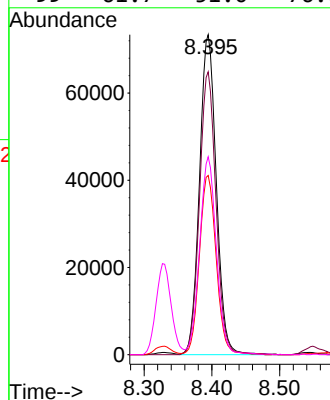
Ion Ratio Lower Upper

97 100

83 88.4 70.2 105.4

85 56.0 44.6 66.8

99 61.7 51.0 76.6



#56

Ethyl methacrylate

Concen: 52.595 ug/l

RT: 8.327 min Scan# 2173

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

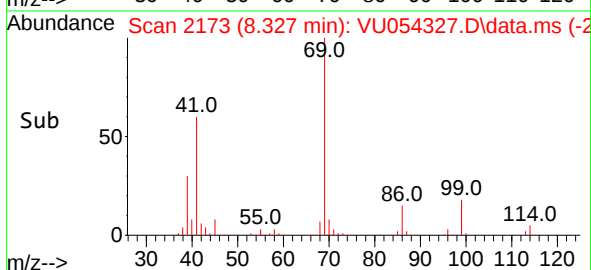
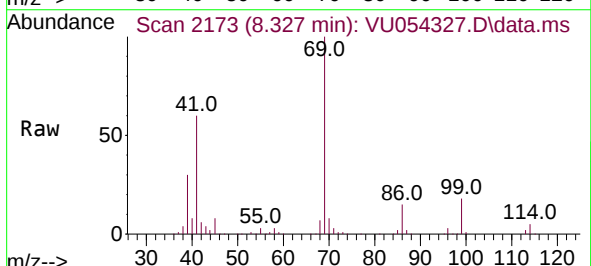
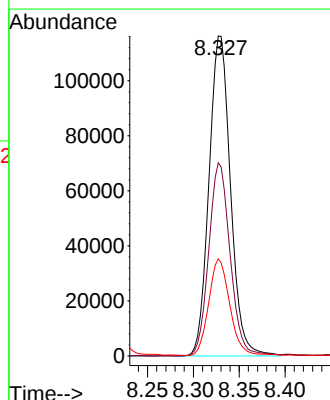
Tgt Ion: 69 Resp: 190067

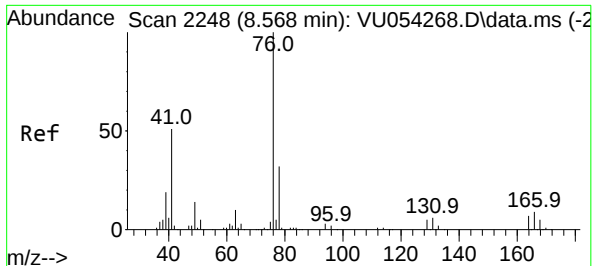
Ion Ratio Lower Upper

69 100

41 59.9 45.4 68.0

39 29.4 25.7 38.5

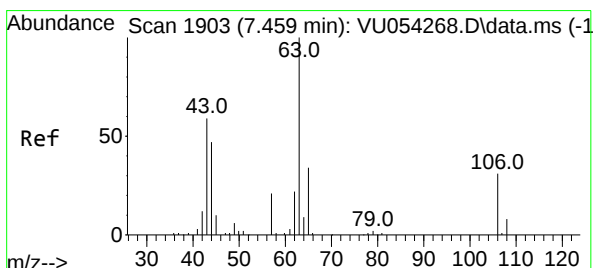
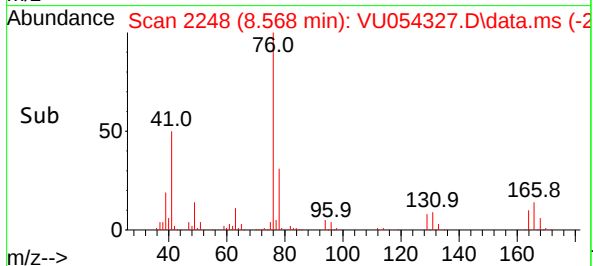
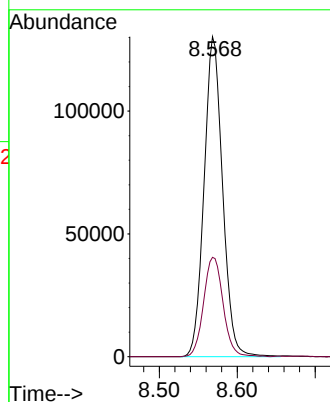
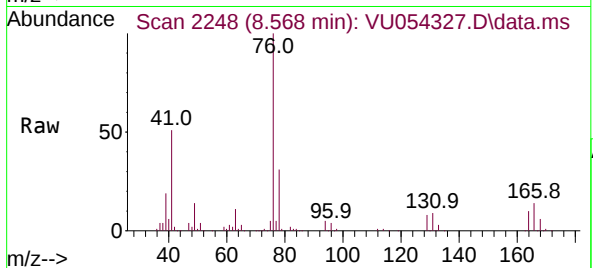




#57
1,3-Dichloropropane
Concen: 51.380 ug/l
RT: 8.568 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

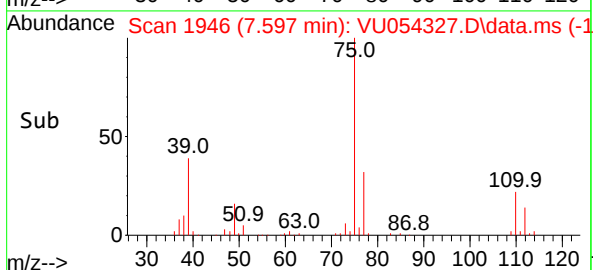
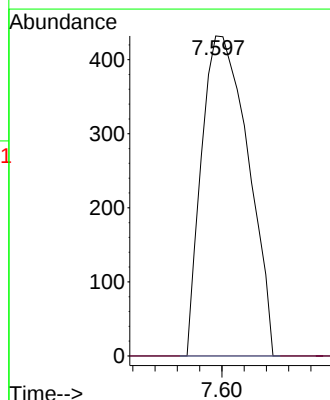
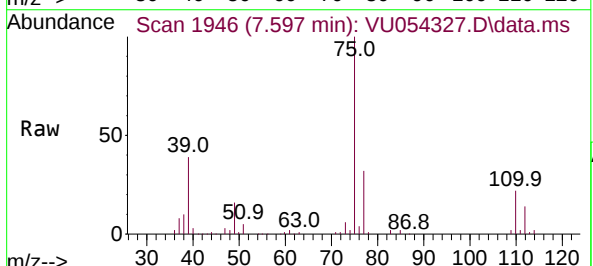
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

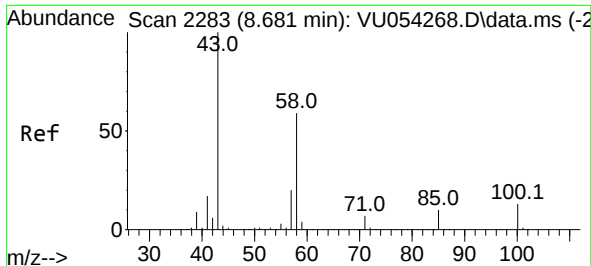
Tgt Ion: 76 Resp: 214814
Ion Ratio Lower Upper
76 100
78 32.7 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 2.698 ug/l
RT: 7.597 min Scan# 1946
Delta R.T. 0.138 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 63 Resp: 625
Ion Ratio Lower Upper
63 100
106 0.0 23.1 34.7#

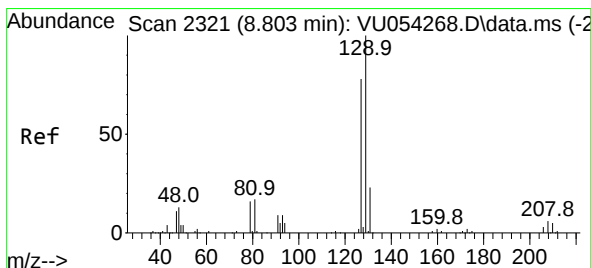
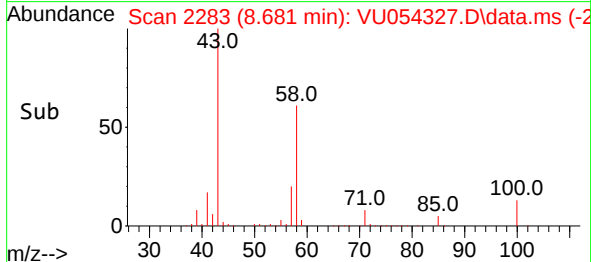
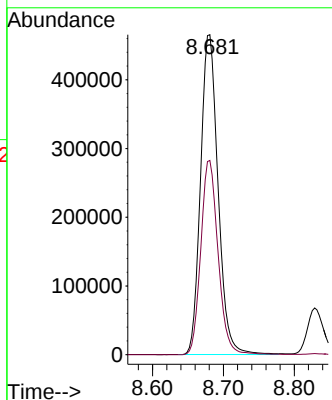
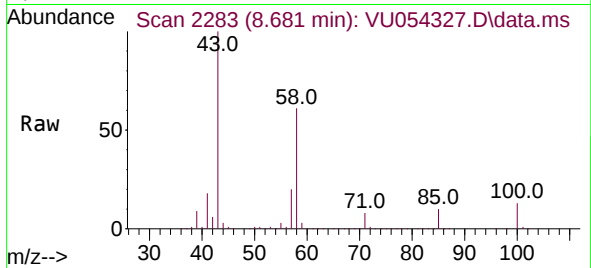




#59
2-Hexanone
Concen: 280.012 ug/l
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

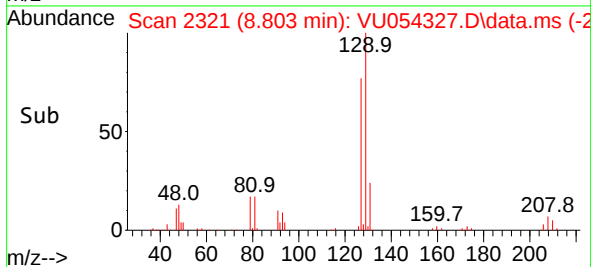
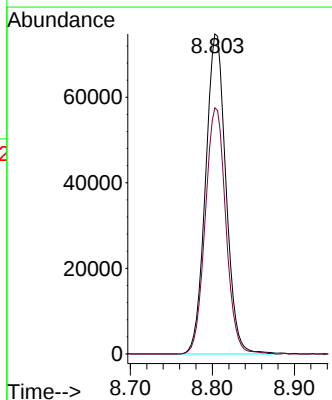
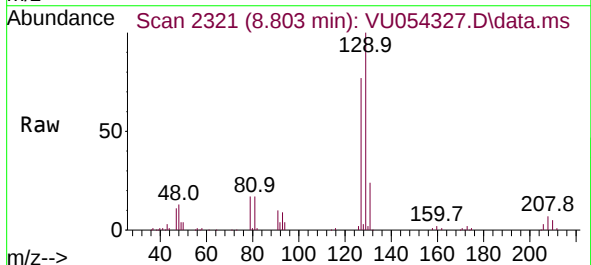
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

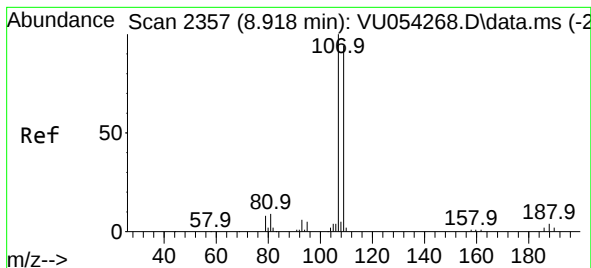
Tgt Ion: 43 Resp: 799241
Ion Ratio Lower Upper
43 100
58 60.1 30.3 90.8



#60
Dibromochloromethane
Concen: 52.334 ug/l
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 129 Resp: 129085
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.852 ug/l

RT: 8.915 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

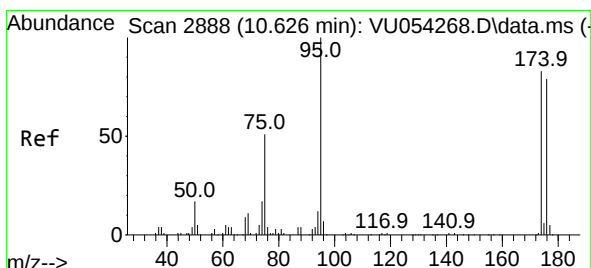
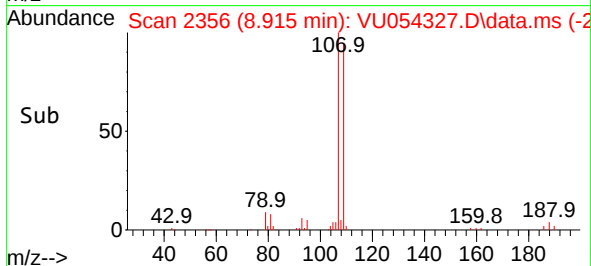
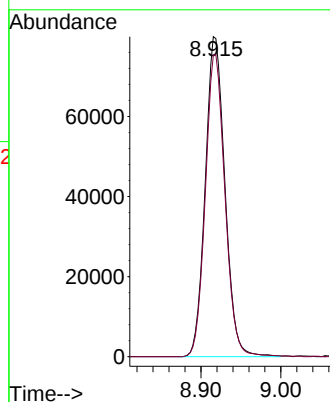
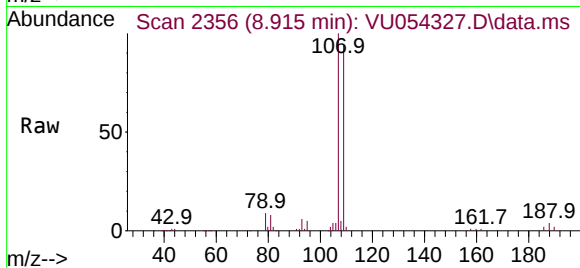
GM38-RW3-MW1-20230523MSD

Tgt Ion:107 Resp: 137003

Ion Ratio Lower Upper

107 100

109 94.3 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 49.763 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. 0.003 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

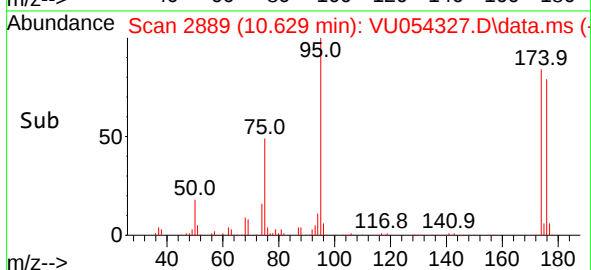
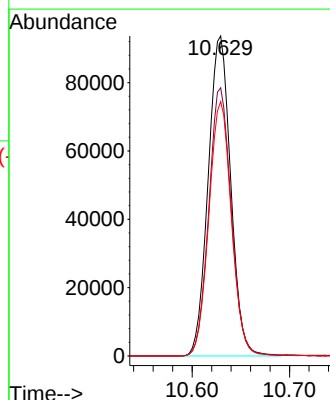
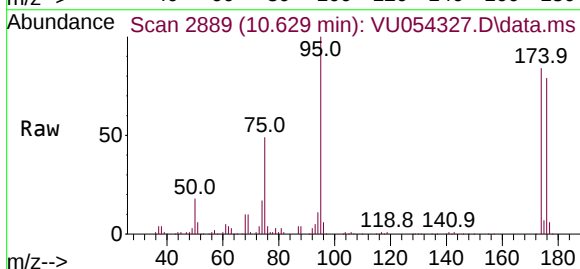
Tgt Ion: 95 Resp: 150502

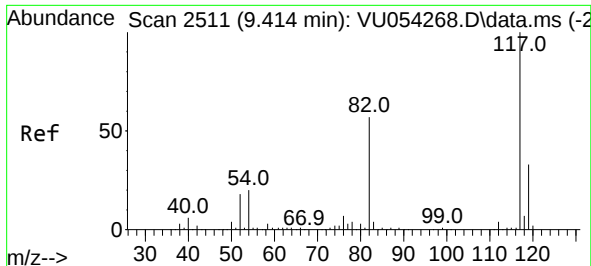
Ion Ratio Lower Upper

95 100

174 83.9 0.0 182.0

176 79.6 0.0 177.8

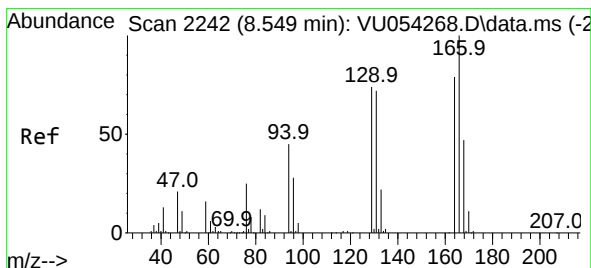
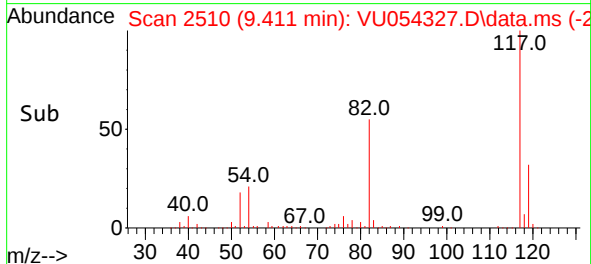
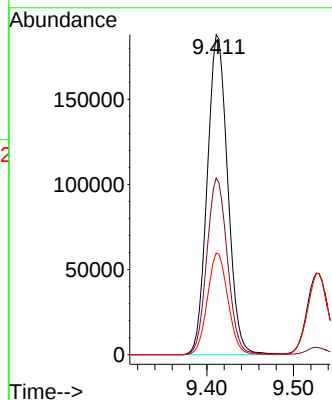
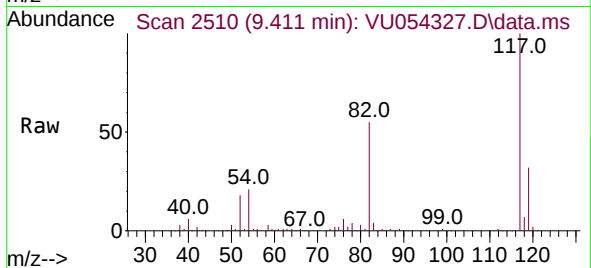




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

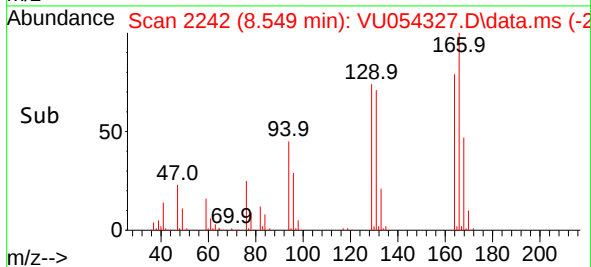
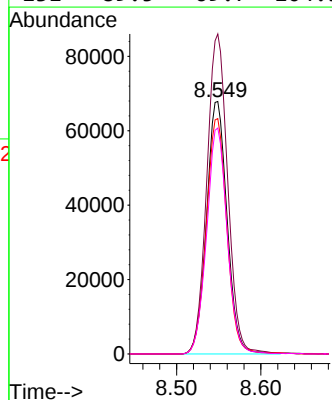
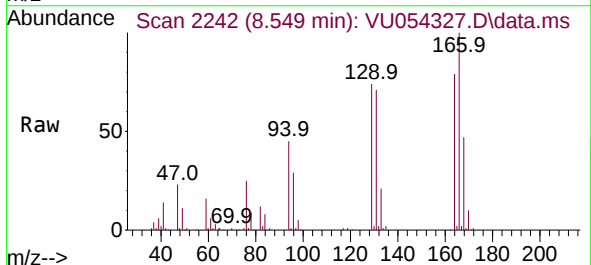
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

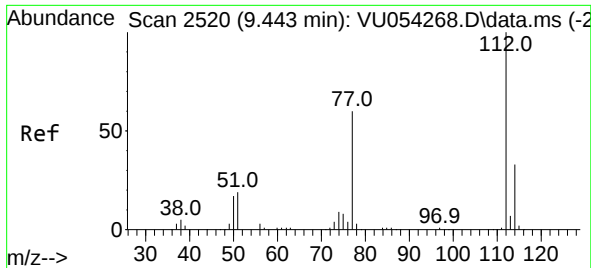
Tgt Ion:117 Resp: 308328
Ion Ratio Lower Upper
117 100
82 55.2 41.7 62.5
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 49.773 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:164 Resp: 115501
Ion Ratio Lower Upper
164 100
166 126.8 100.0 150.0
129 93.3 72.0 108.0
131 89.5 69.7 104.5

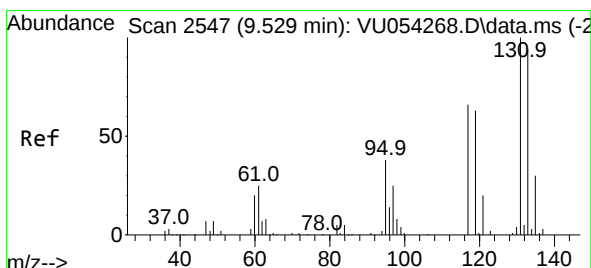
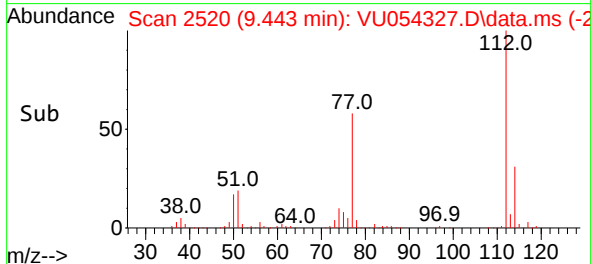
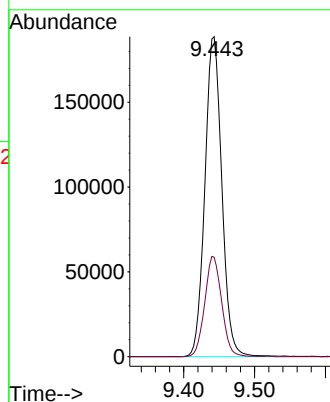
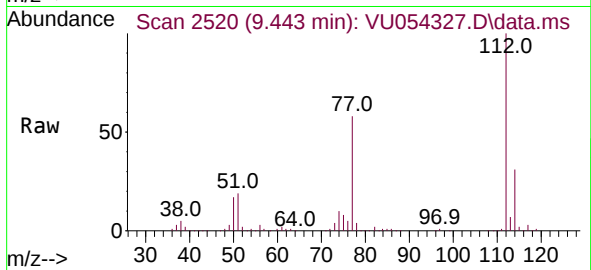




#65
Chlorobenzene
Concen: 48.600 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

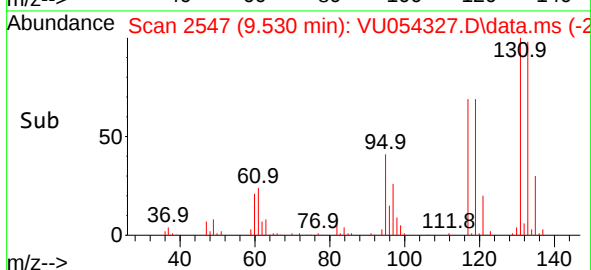
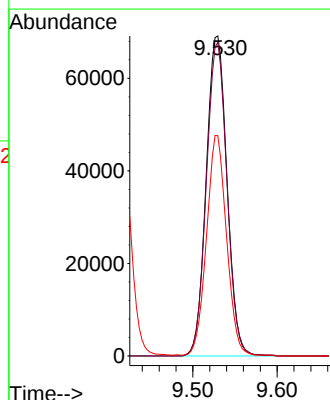
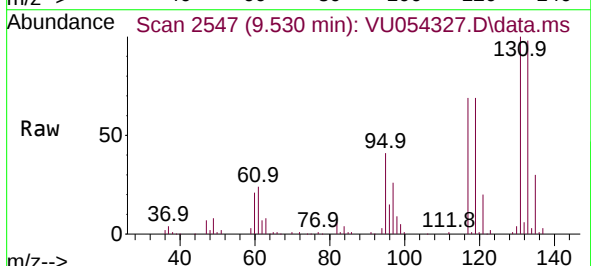
Instrument : MSVOA_U
ClientSampleId : GM38-RW3-MW1-20230523MSD

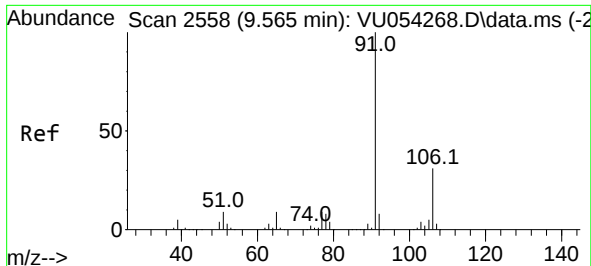
Tgt Ion:112 Resp: 313262
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.830 ug/l
RT: 9.530 min Scan# 2547
Delta R.T. 0.001 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:131 Resp: 118859
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.0
119 66.0 33.9 101.6





#67

Ethyl Benzene

Concen: 49.297 ug/l

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

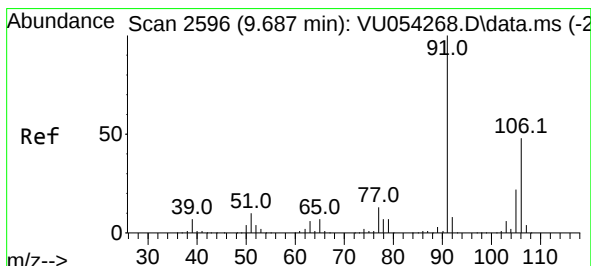
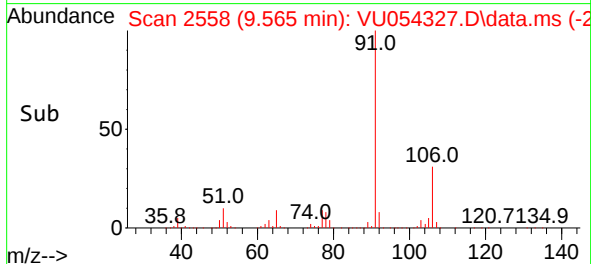
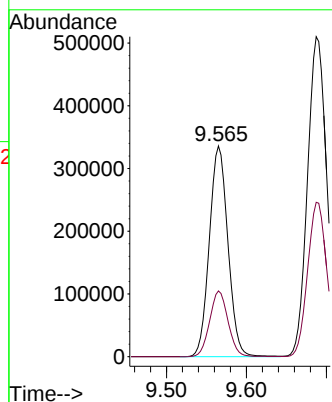
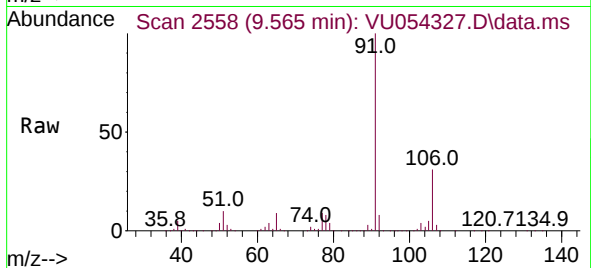
GM38-RW3-MW1-20230523MSD

Tgt Ion: 91 Resp: 543250

Ion Ratio Lower Upper

91 100

106 31.2 25.6 38.4



#68

m/p-Xylenes

Concen: 99.899 ug/l

RT: 9.687 min Scan# 2596

Delta R.T. 0.000 min

Lab File: VU054327.D

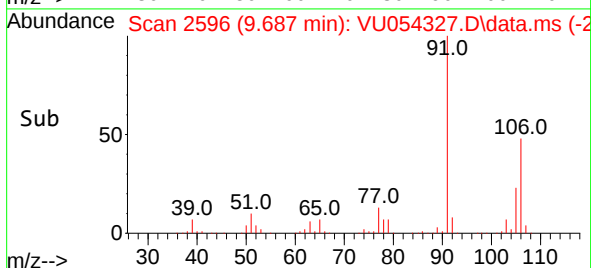
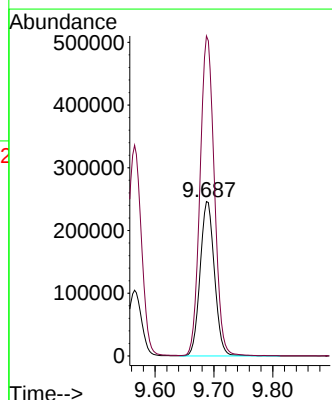
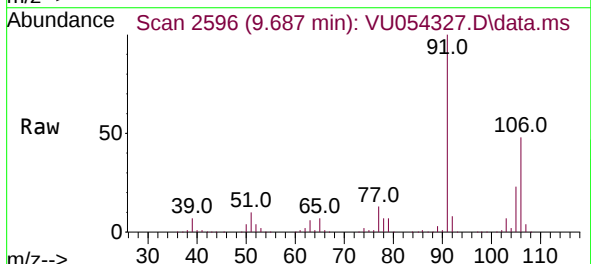
Acq: 30 May 2023 20:30

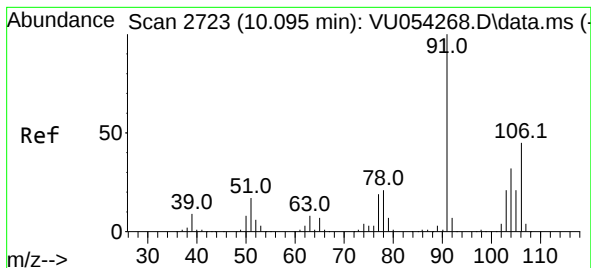
Tgt Ion: 106 Resp: 417286

Ion Ratio Lower Upper

106 100

91 206.3 157.2 235.8





#69

o-Xylene

Concen: 50.821 ug/l

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

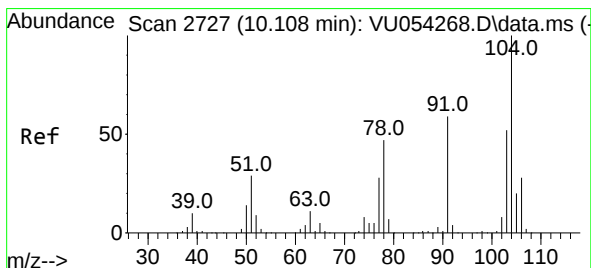
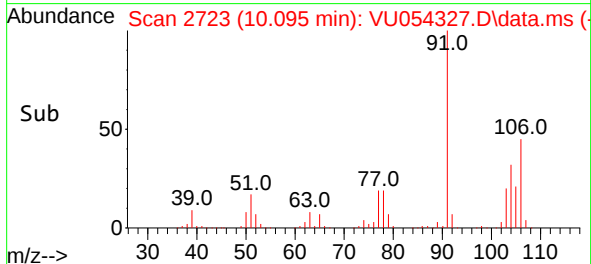
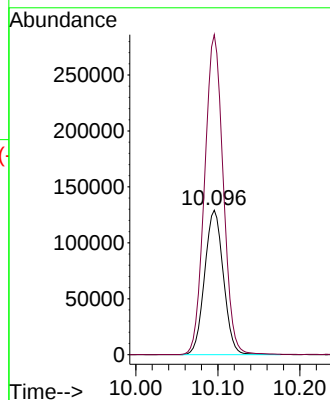
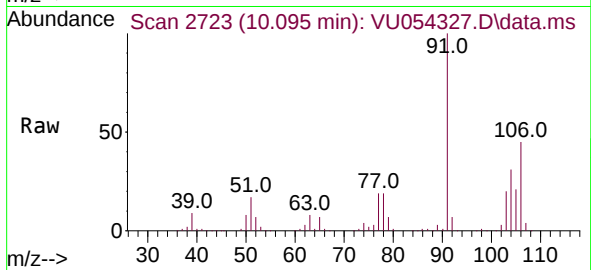
GM38-RW3-MW1-20230523MSD

Tgt Ion:106 Resp: 205496

Ion Ratio Lower Upper

106 100

91 220.2 103.5 310.5



#70

Styrene

Concen: 52.055 ug/l

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

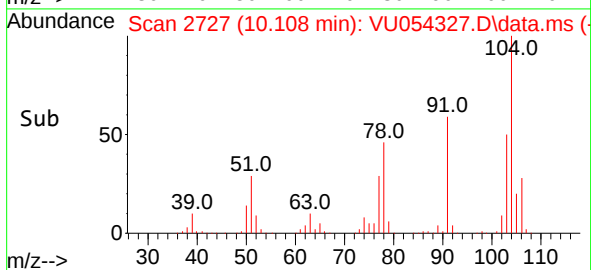
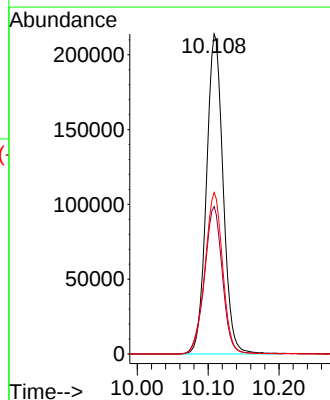
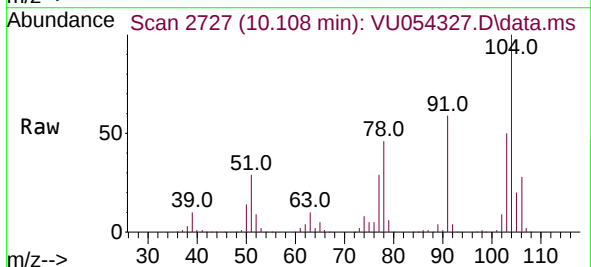
Tgt Ion:104 Resp: 349065

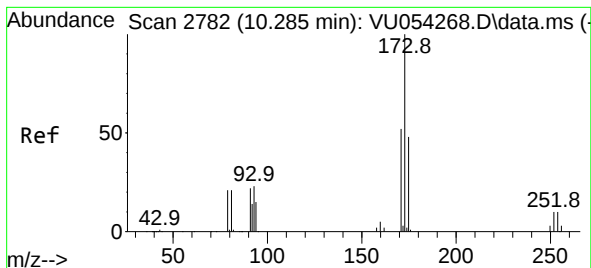
Ion Ratio Lower Upper

104 100

78 49.7 38.0 57.0

103 53.8 43.9 65.9





#71

Bromoform

Concen: 52.011 ug/l

RT: 10.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

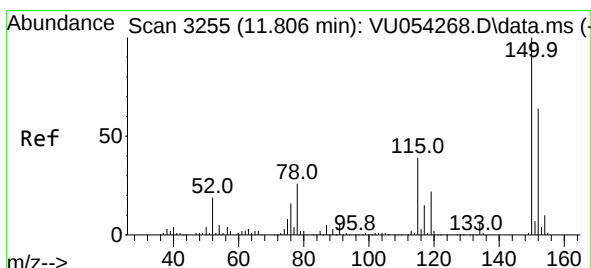
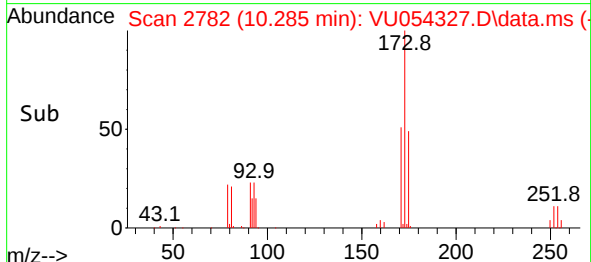
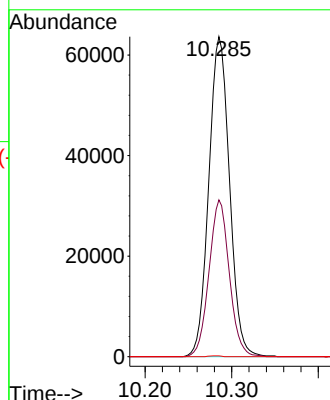
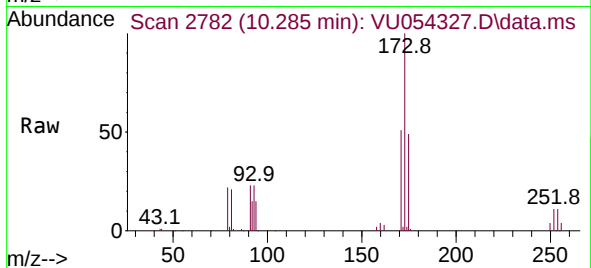
Tgt Ion:173 Resp: 105687

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.2

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

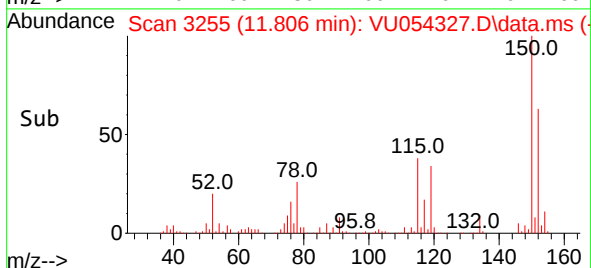
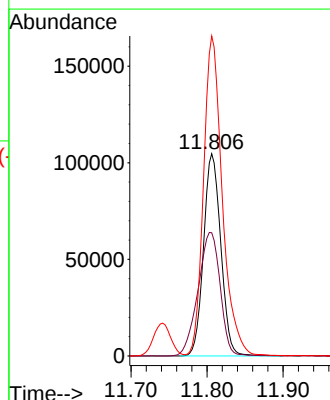
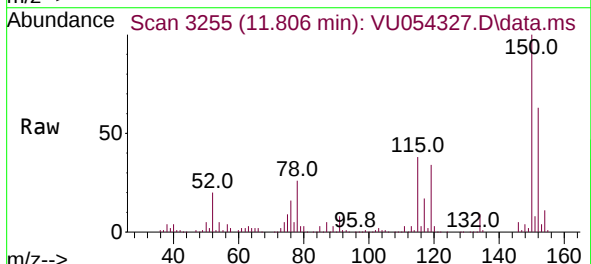
Tgt Ion:152 Resp: 164870

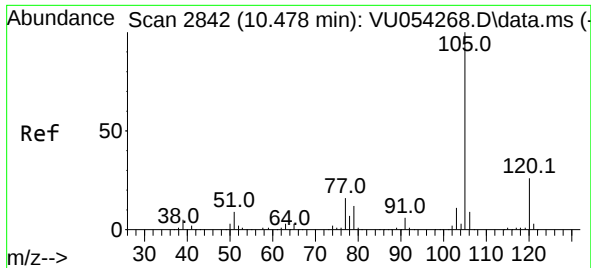
Ion Ratio Lower Upper

152 100

115 78.3 37.0 110.9

150 172.3 0.0 342.2

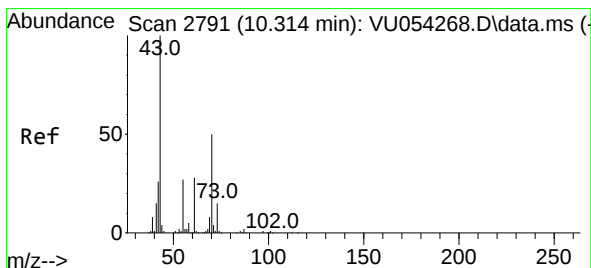
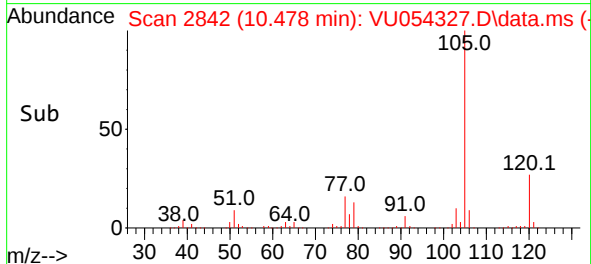
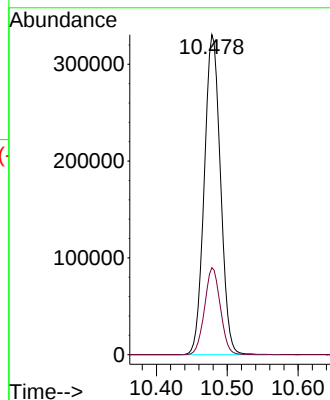
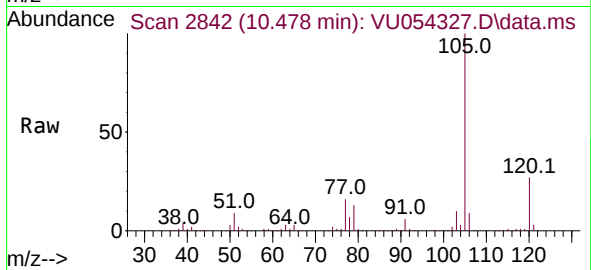




#73
Isopropylbenzene
Concen: 51.417 ug/l
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

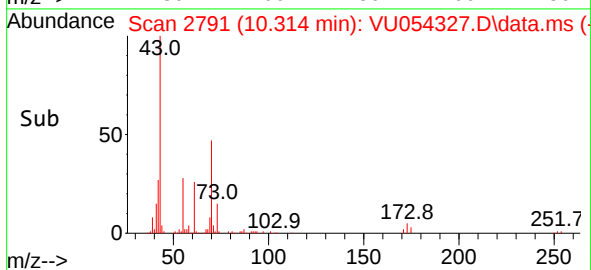
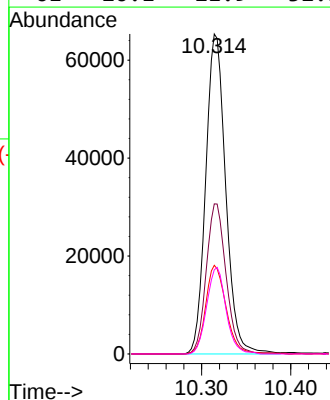
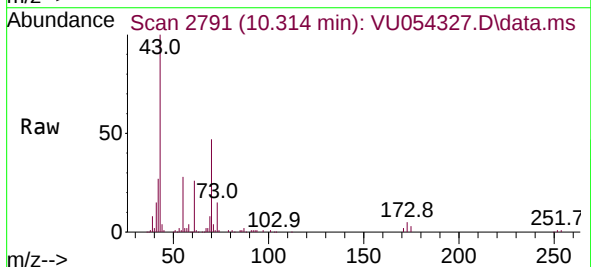
Instrument : MSVOA_U
ClientSampleId : GM38-RW3-MW1-20230523MSD

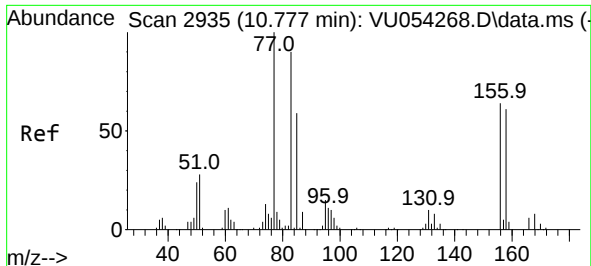
Tgt Ion:105 Resp: 524995
Ion Ratio Lower Upper
105 100
120 26.4 13.8 41.4



#74
N-ethyl acetate
Concen: 23.480 ug/l
RT: 10.314 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 43 Resp: 101798
Ion Ratio Lower Upper
43 100
70 46.7 38.7 58.1
55 28.1 21.8 32.8
61 26.1 21.9 32.9

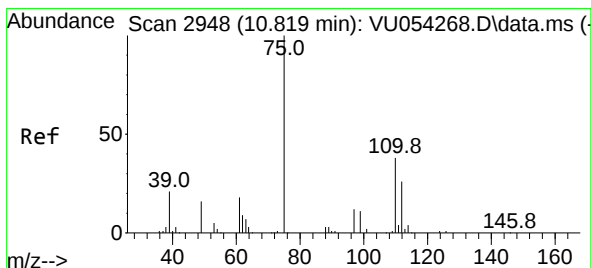
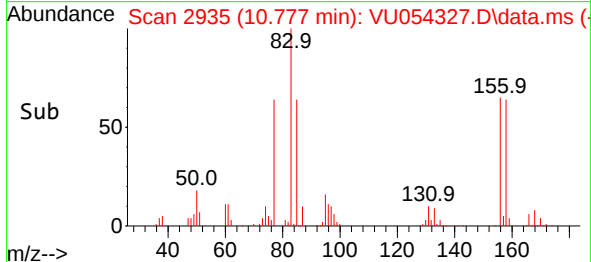
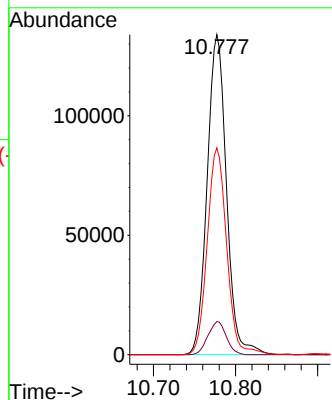
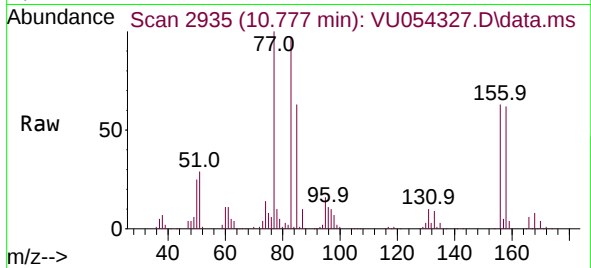




#75
1,1,2,2-Tetrachloroethane
Concen: 53.147 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

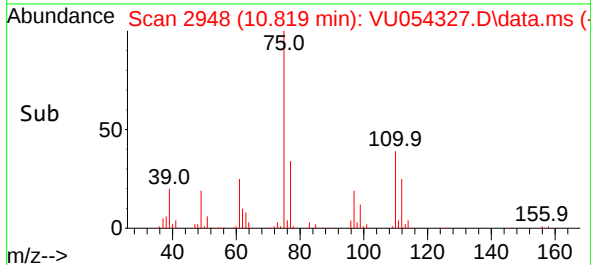
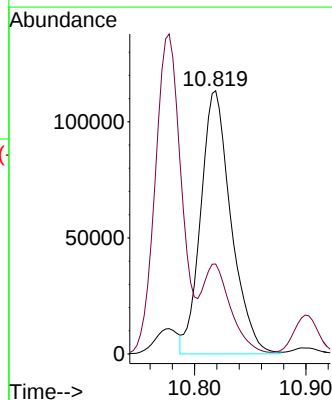
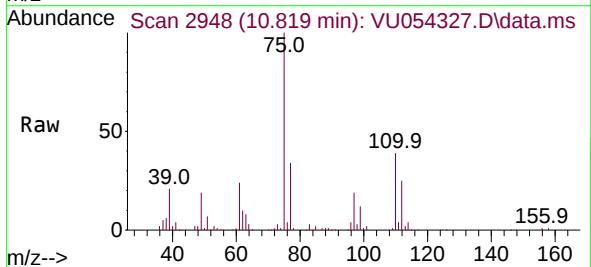
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

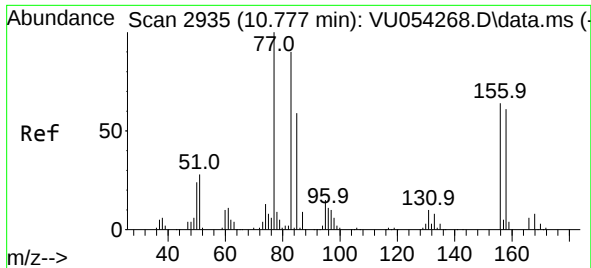
Tgt Ion: 83 Resp: 219581
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.4
85 65.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 44.621 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 75 Resp: 214709
Ion Ratio Lower Upper
75 100
77 31.1 15.8 47.3

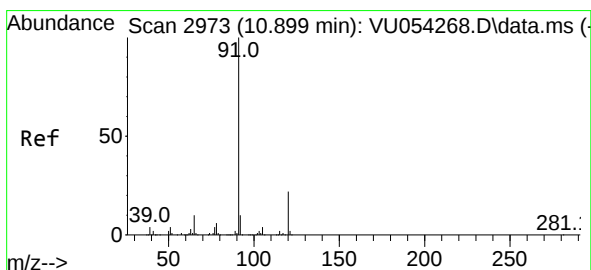
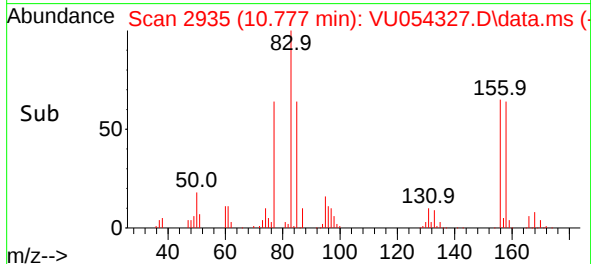
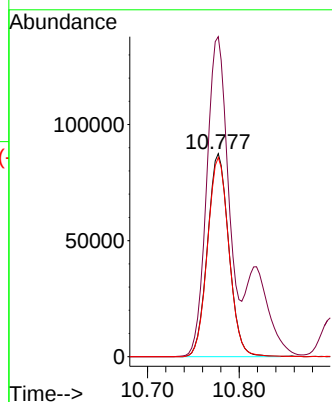
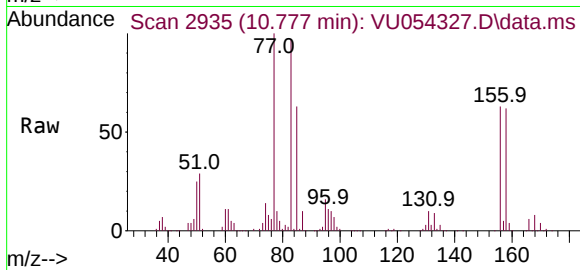




#77
Bromobenzene
Concen: 50.434 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

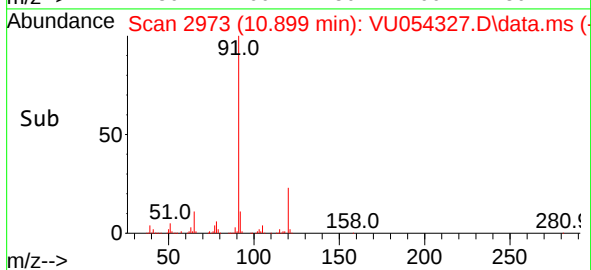
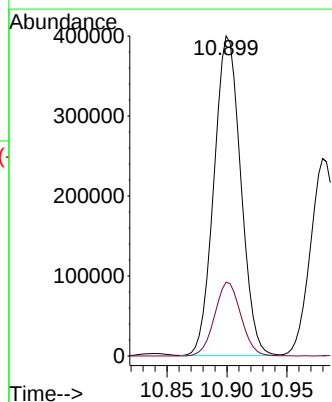
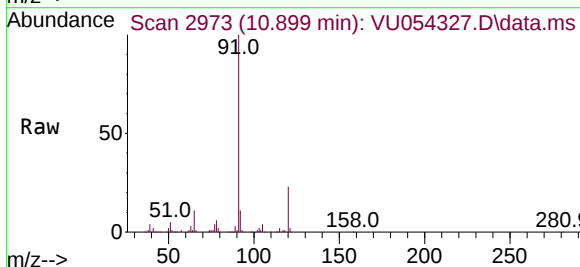
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

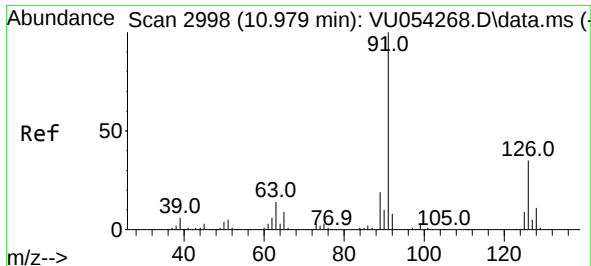
Tgt Ion:156 Resp: 141412
Ion Ratio Lower Upper
156 100
77 161.1 71.9 215.6
158 98.6 48.9 146.8



#78
n-propylbenzene
Concen: 49.502 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 91 Resp: 619176
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.5





#79

2-Chlorotoluene

Concen: 50.718 ug/l

RT: 10.980 min Scan# 2998

Delta R.T. 0.001 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

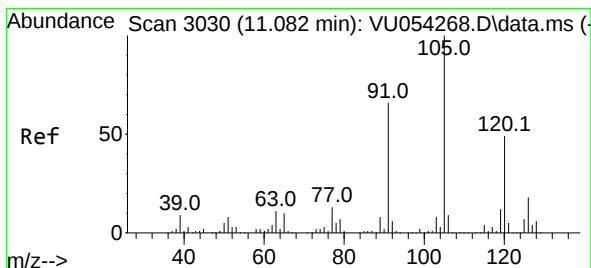
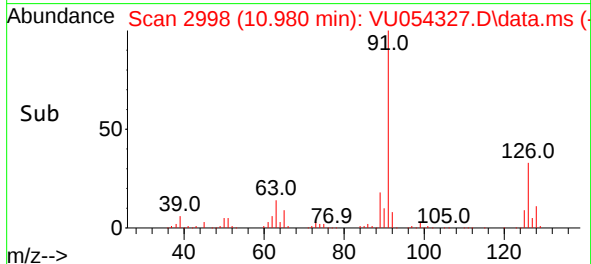
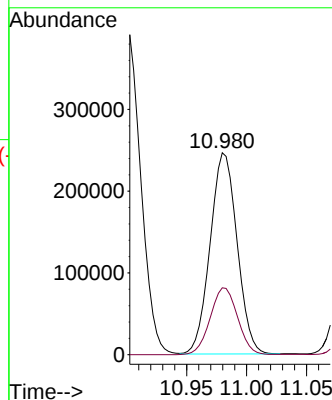
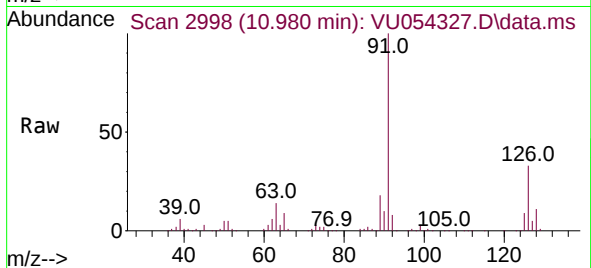
GM38-RW3-MW1-20230523MSD

Tgt Ion: 91 Resp: 384070

Ion Ratio Lower Upper

91 100

126 33.8 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 51.424 ug/l

RT: 11.083 min Scan# 3030

Delta R.T. 0.001 min

Lab File: VU054327.D

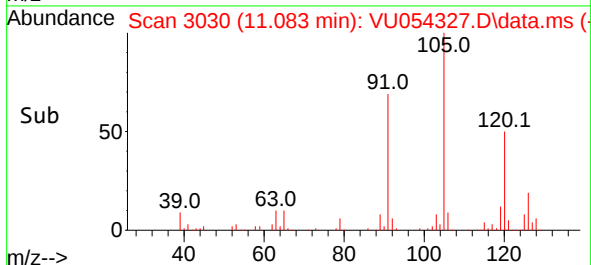
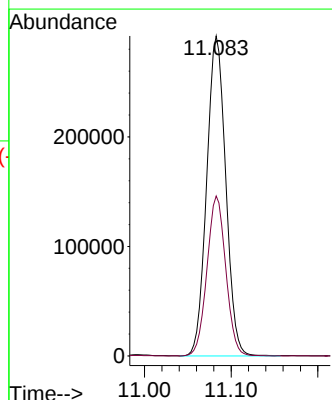
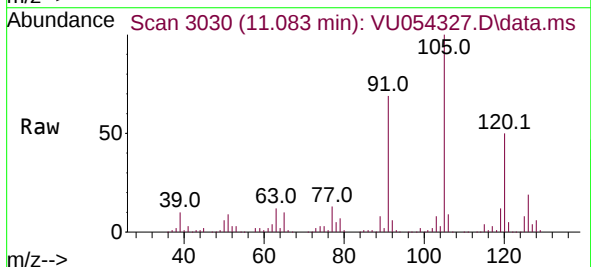
Acq: 30 May 2023 20:30

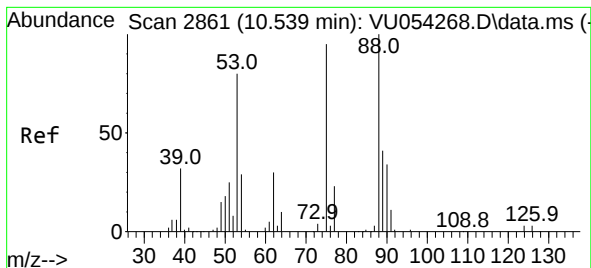
Tgt Ion:105 Resp: 446531

Ion Ratio Lower Upper

105 100

120 49.4 25.3 75.9

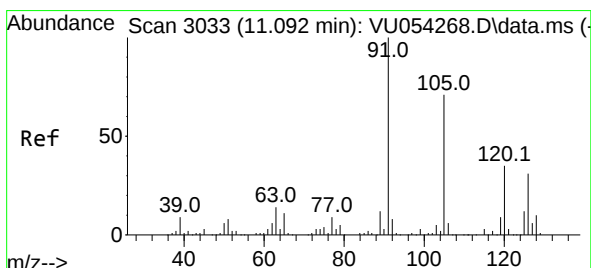
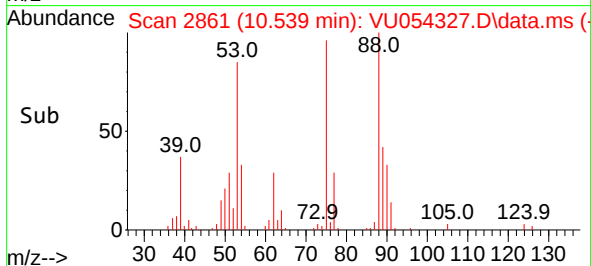
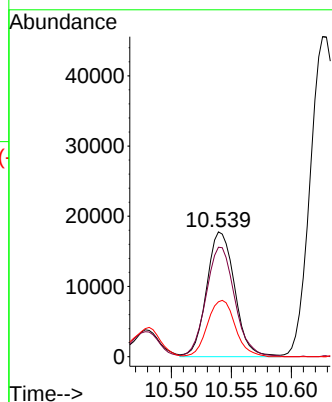
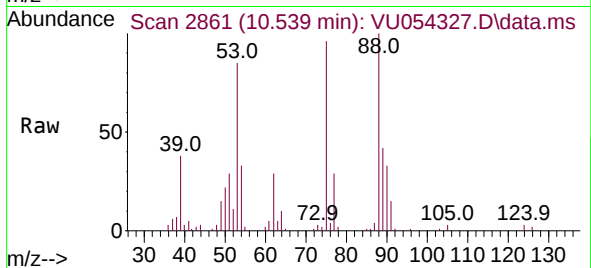




#81
trans-1,4-Dichloro-2-butene
Concen: 22.868 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

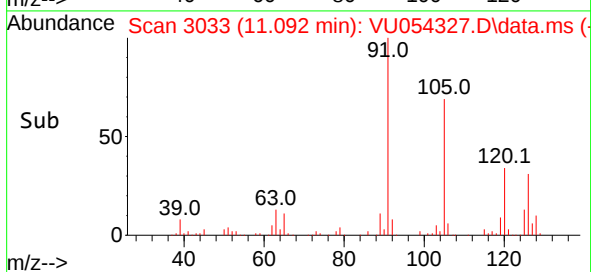
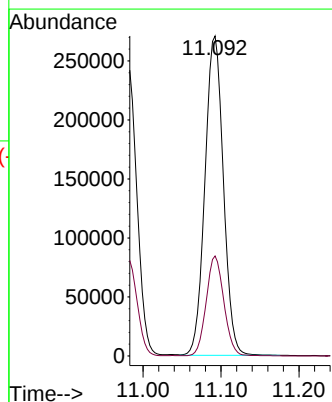
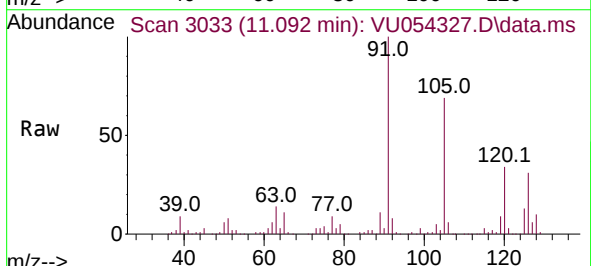
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

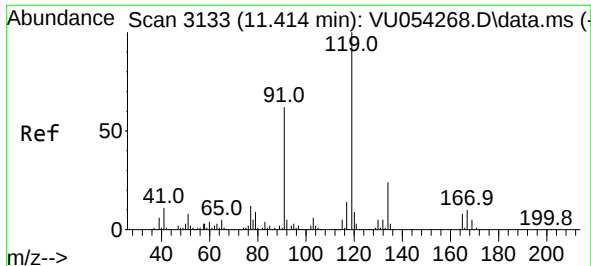
Tgt Ion:	75	Resp:	28897
Ion	Ratio	Lower	Upper
75	100		
53	89.9	69.2	103.8
89	44.8	37.0	55.6



#82
4-Chlorotoluene
Concen: 50.052 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:	91	Resp:	444715
Ion	Ratio	Lower	Upper
91	100		
126	29.7	16.1	48.2

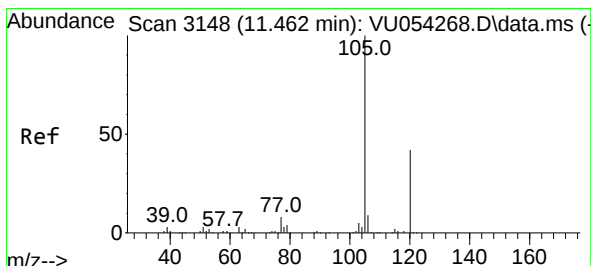
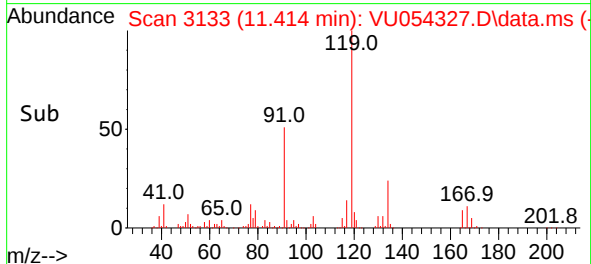
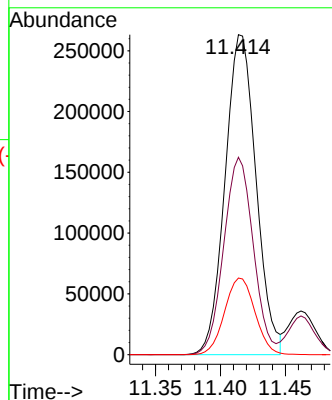
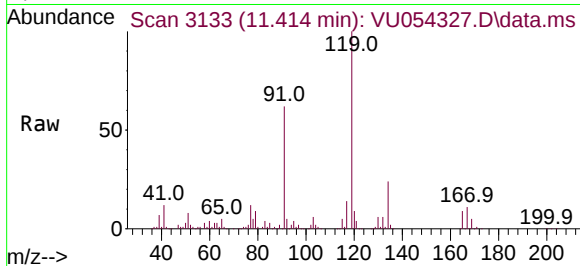




#83
tert-Butylbenzene
Concen: 50.341 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

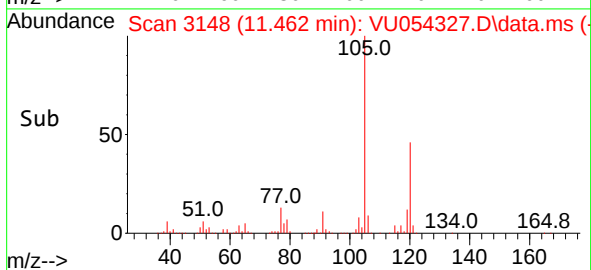
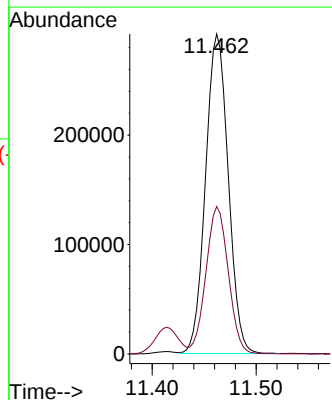
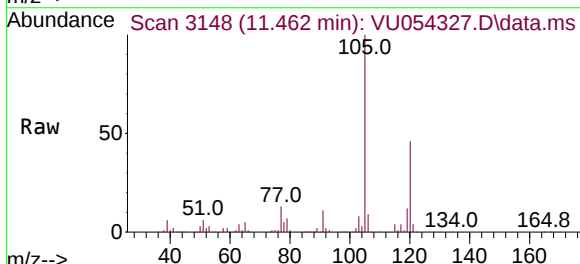
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

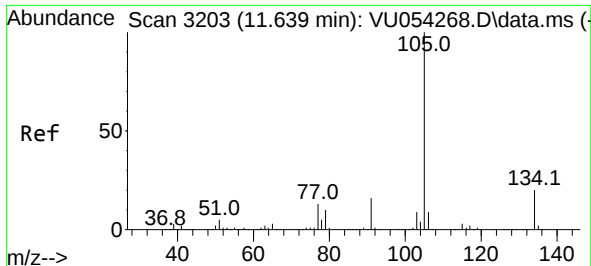
Tgt Ion:119 Resp: 437110
Ion Ratio Lower Upper
119 100
91 58.5 26.8 80.3
134 23.5 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 51.242 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:105 Resp: 442666
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.3

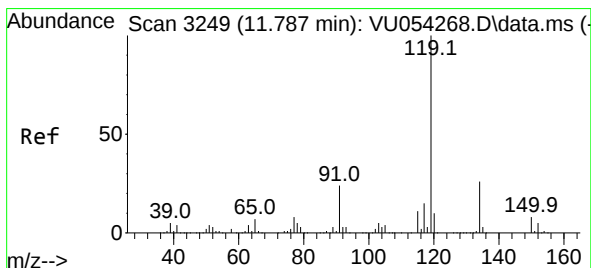
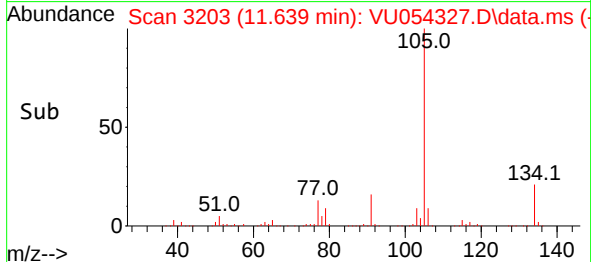
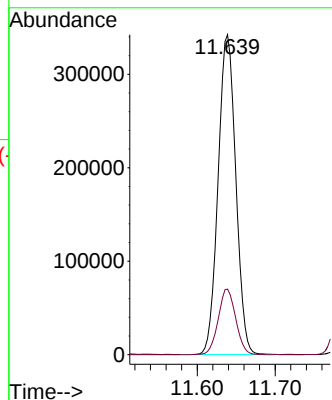
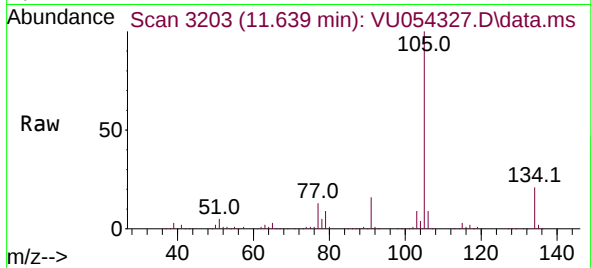




#85
 sec-Butylbenzene
 Concen: 48.984 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

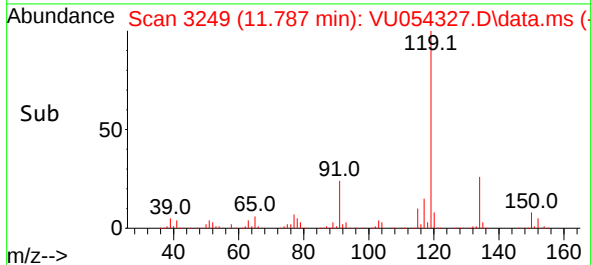
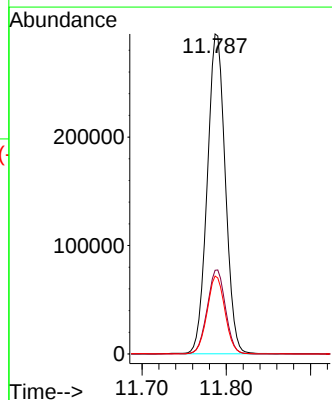
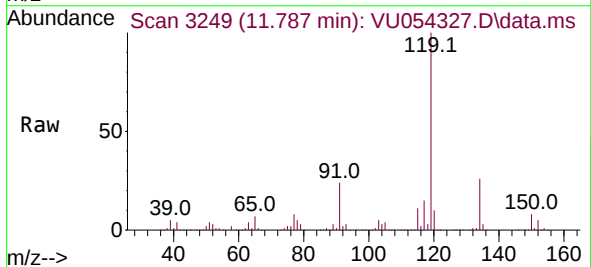
Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523MSD

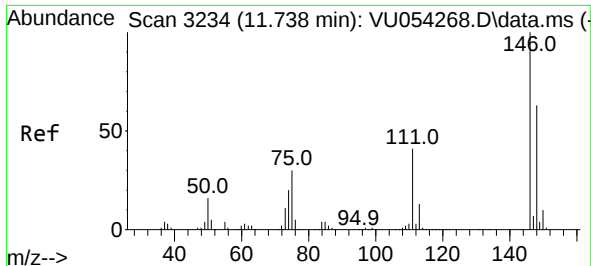
Tgt Ion:105 Resp: 539698
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 47.468 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054327.D
 Acq: 30 May 2023 20:30

Tgt Ion:119 Resp: 439883
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 24.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 47.973 ug/l

RT: 11.742 min Scan# 3235

Delta R.T. 0.004 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

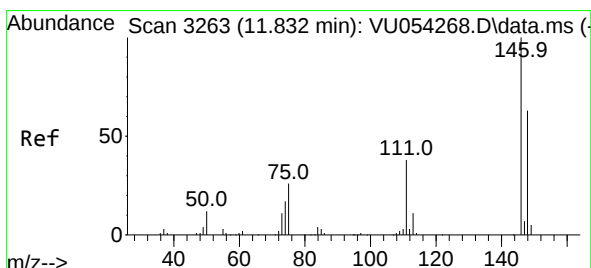
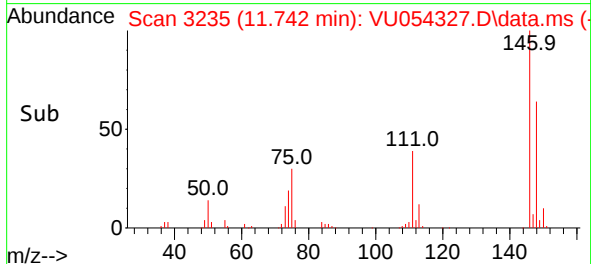
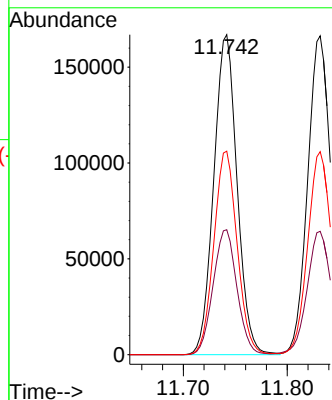
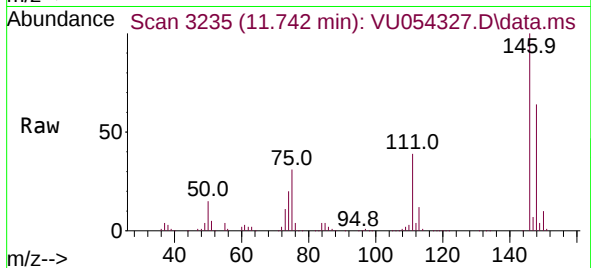
Tgt Ion:146 Resp: 260449

Ion Ratio Lower Upper

146 100

111 39.9 18.9 56.5

148 63.6 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 45.929 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

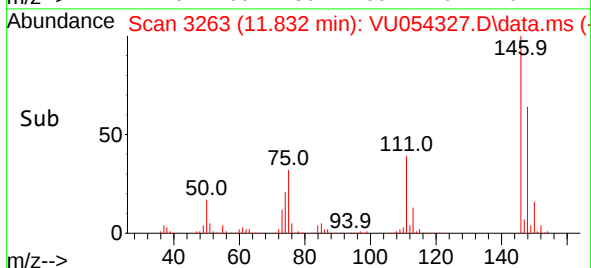
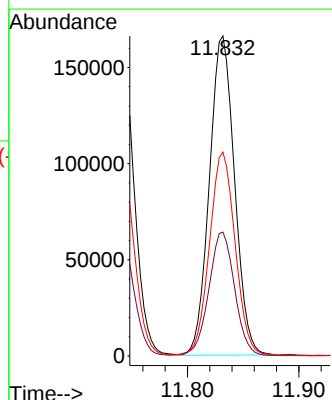
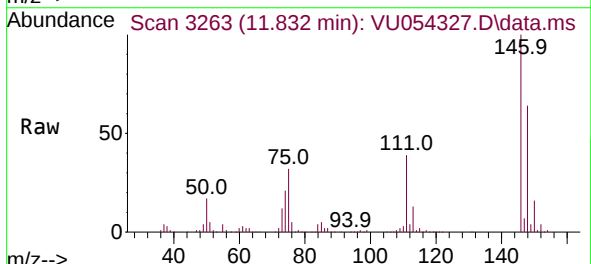
Tgt Ion:146 Resp: 260495

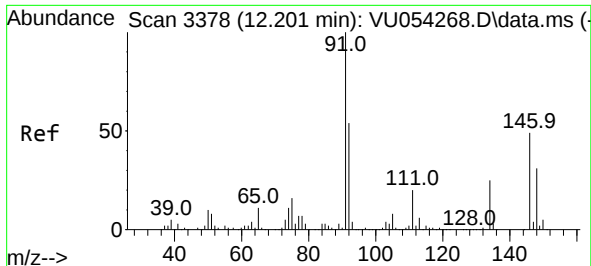
Ion Ratio Lower Upper

146 100

111 39.9 18.5 55.5

148 65.5 31.9 95.7





#89

n-Butylbenzene

Concen: 42.092 ug/l

RT: 12.205 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

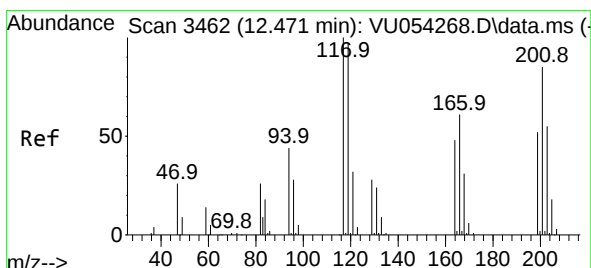
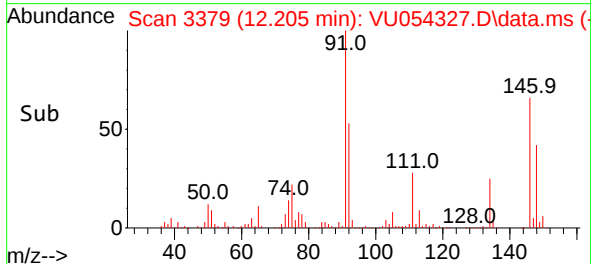
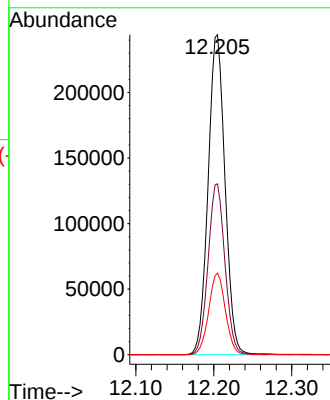
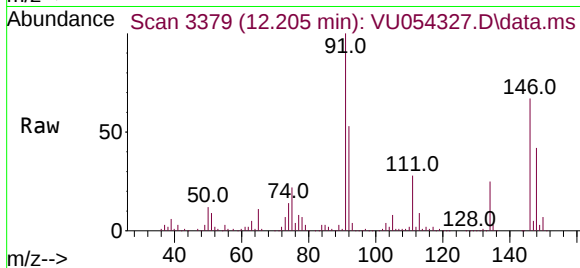
Tgt Ion: 91 Resp: 367174

Ion Ratio Lower Upper

91 100

92 53.3 26.2 78.6

134 25.3 13.5 40.4



#90

Hexachloroethane

Concen: 51.148 ug/l

RT: 12.468 min Scan# 3461

Delta R.T. -0.003 min

Lab File: VU054327.D

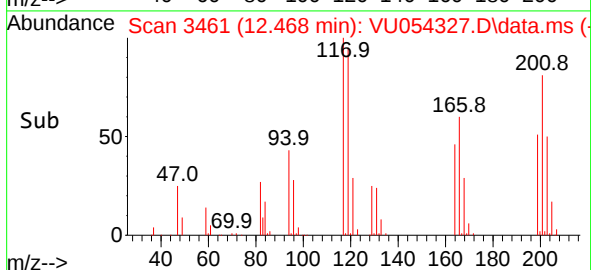
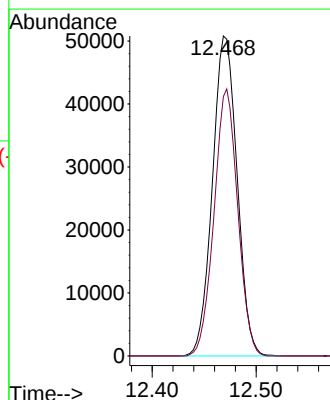
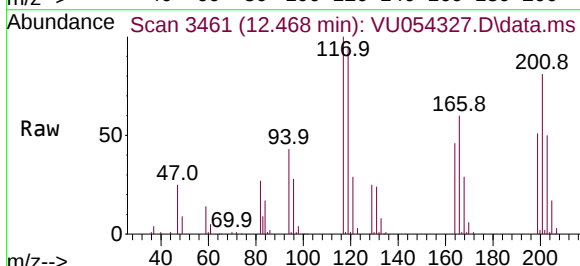
Acq: 30 May 2023 20:30

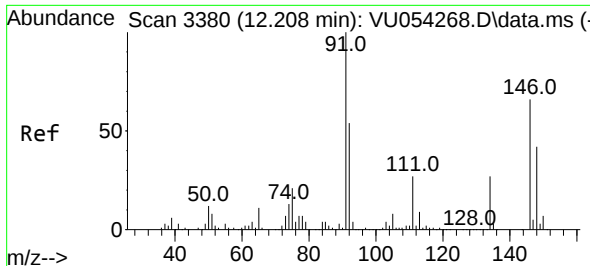
Tgt Ion: 117 Resp: 83852

Ion Ratio Lower Upper

117 100

201 80.1 44.6 134.0

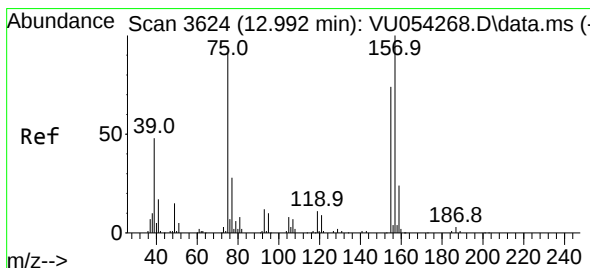
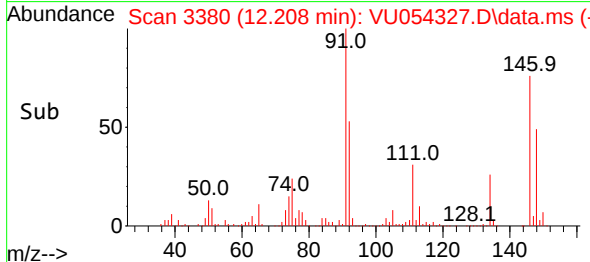
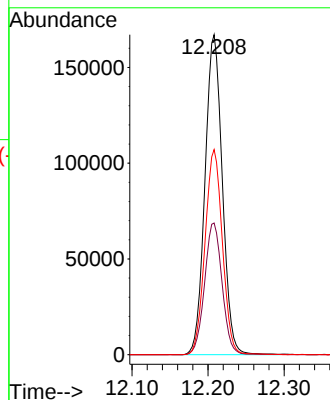
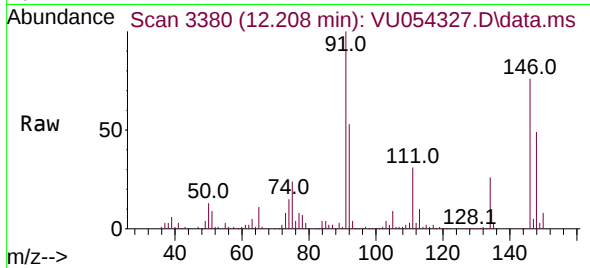




#91
1,2-Dichlorobenzene
Concen: 49.601 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

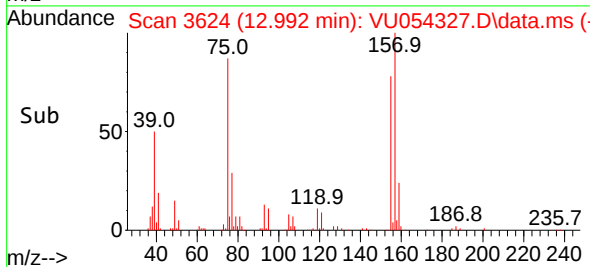
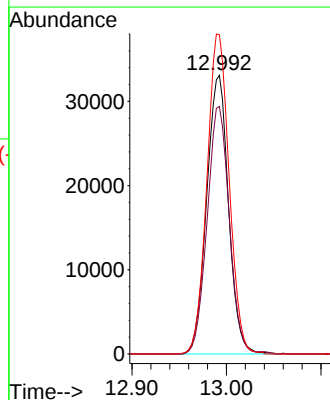
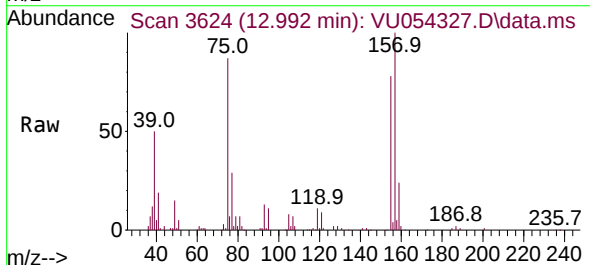
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

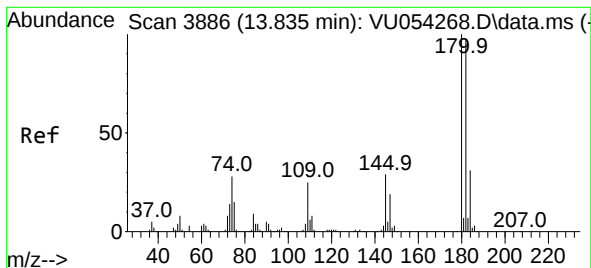
Tgt Ion:146 Resp: 264915
Ion Ratio Lower Upper
146 100
111 41.6 19.9 59.6
148 64.2 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.458 ug/l
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion: 75 Resp: 53198
Ion Ratio Lower Upper
75 100
155 90.0 47.8 143.4
157 116.6 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 45.432 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523MSD

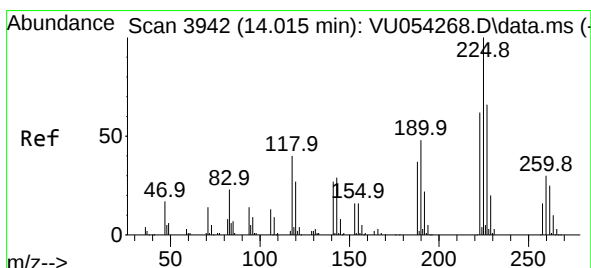
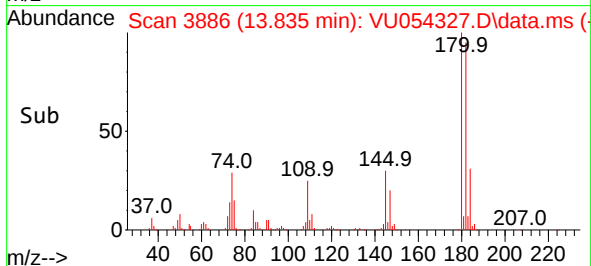
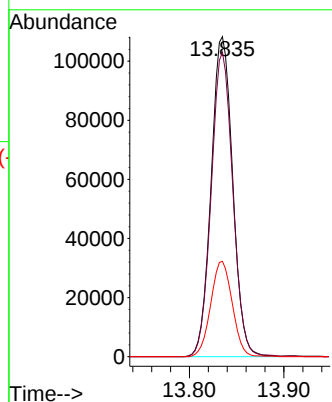
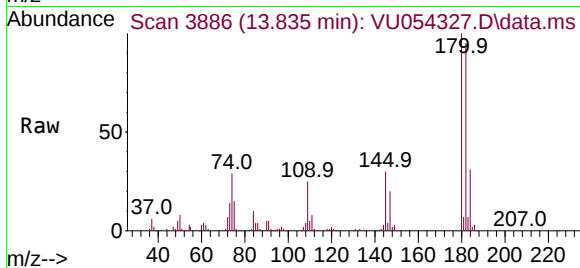
Tgt Ion:180 Resp: 171698

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

145 29.8 14.0 41.9



#94

Hexachlorobutadiene

Concen: 39.618 ug/l

RT: 14.015 min Scan# 3942

Delta R.T. -0.000 min

Lab File: VU054327.D

Acq: 30 May 2023 20:30

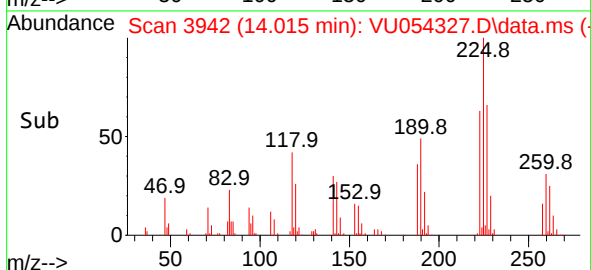
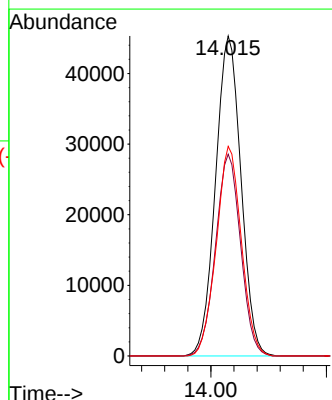
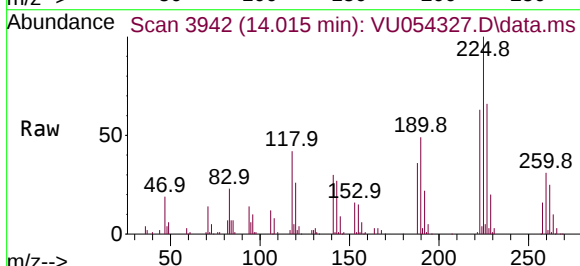
Tgt Ion:225 Resp: 69323

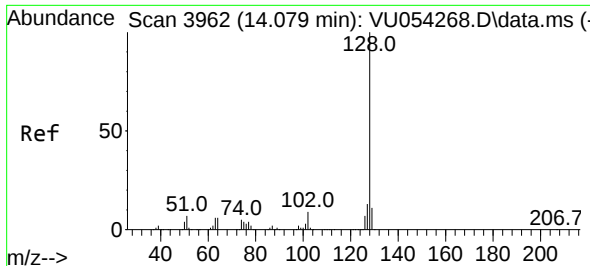
Ion Ratio Lower Upper

225 100

223 62.0 31.3 93.9

227 64.4 32.0 96.2

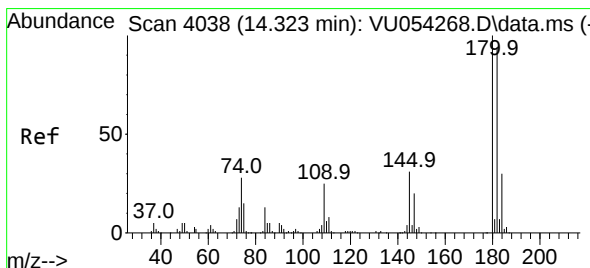
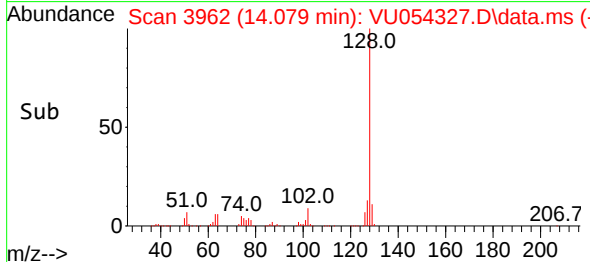
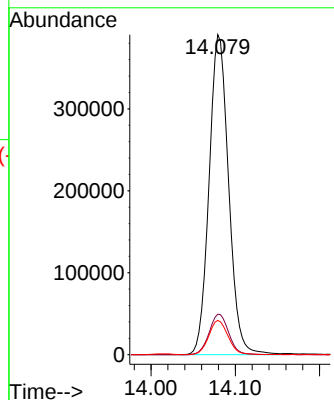
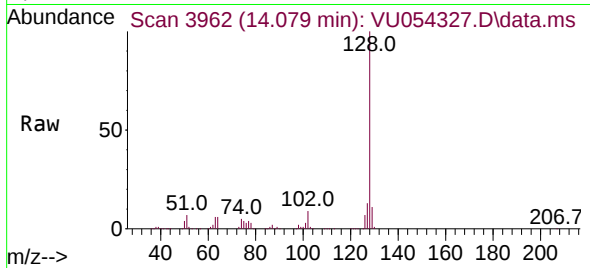




#95
Naphthalene
Concen: 51.589 ug/l
RT: 14.079 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523MSD

Tgt Ion:	128	Resp:	629892
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.868 ug/l
RT: 14.324 min Scan# 4038
Delta R.T. 0.001 min
Lab File: VU054327.D
Acq: 30 May 2023 20:30

Tgt Ion:	180	Resp:	183503
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.4	145.0
145	30.6	14.8	44.4

