

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072122\
 Data File : U049834.D
 Acq On : 21 Jul 2022 16:59
 Operator : SY/MD
 Sample : N3792-13MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN5MSD

Quant Time: Jul 22 04:14:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 22 03:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	180983	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	171177	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	82603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	59351	38.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.740%
7) Chloroethane-d5	1.900	69	48590	44.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.040%
11) 1,1-Dichloroethene-d2	2.562	63	112319	41.641	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.280%
21) 2-Butanone-d5	4.623	46	155224	119.075	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.080%
24) Chloroform-d	5.063	84	136135	50.334	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.660%
26) 1,2-Dichloroethane-d4	5.703	65	93123	50.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
32) Benzene-d6	5.726	84	239200	45.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.690	67	85789	49.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.100%
41) Toluene-d8	7.899	98	204075	45.063	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	8.179	79	36831	49.977	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.960%
47) 2-Hexanone-d5	8.632	63	83882	106.609	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	130797	53.442	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.880%
66) 1,2-Dichlorobenzene-d4	12.195	152	76535	49.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98358	45.338	ug/L	97
3) Chloromethane	1.527	50	123286	51.780	ug/L	99
5) Vinyl chloride	1.601	62	101706	47.272	ug/L	99
6) Bromomethane	1.835	94	50907	51.211	ug/L	99
8) Chloroethane	1.919	64	57633	48.356	ug/L	99
9) Trichlorofluoromethane	2.128	101	130568	49.140	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	65398	46.906	ug/L	98
12) 1,1-Dichloroethene	2.572	96	61086	47.208	ug/L	92
13) Acetone	2.626	43	117949	95.208	ug/L	96
14) Carbon disulfide	2.787	76	178874	40.993	ug/L	97
15) Methyl Acetate	2.948	43	122418	60.823	ug/L	99
16) Methylene chloride	3.041	84	87564	53.738	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	71495	50.508	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	275347	56.790	ug/L	100
19) 1,1-Dichloroethane	3.867	63	160090	54.323	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	85508	53.749	ug/L	100
22) 2-Butanone	4.700	43	195555	117.900	ug/L	98
23) Bromochloromethane	4.973	128	44881	56.540	ug/L	92
25) Chloroform	5.089	83	167171	56.570	ug/L	100

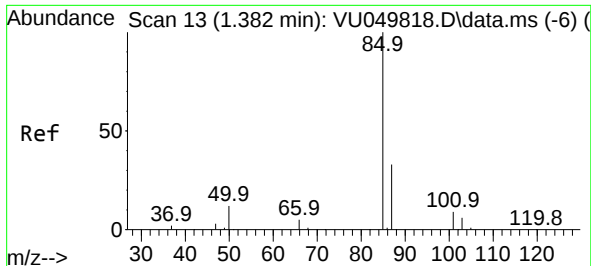
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072122\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 22 03:08:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	140969	56.023	ug/L	98
29) Cyclohexane	5.388	56	117495	43.975	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	134285	54.187	ug/L	99
31) Carbon tetrachloride	5.523	117	106799	52.692	ug/L	99
33) Benzene	5.774	78	341883	53.135	ug/L	100
34) Trichloroethene	6.542	95	76938	49.468	ug/L	97
35) Methylcyclohexane	6.761	83	107222	43.871	ug/L	99
37) 1,2-Dichloropropane	6.790	63	99957	56.048	ug/L	99
38) Bromodichloromethane	7.105	83	124384	56.253	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	136498	56.750	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	359144	124.394	ug/L	99
42) Toluene	7.970	91	340884	53.306	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	130368	57.726	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89269	57.346	ug/L	98
46) Tetrachloroethene	8.552	164	54432	50.460	ug/L	93
48) 2-Hexanone	8.684	43	290133	125.753	ug/L	99
49) Dibromochloromethane	8.809	129	91817	58.644	ug/L	98
50) 1,2-Dibromoethane	8.925	107	91974	59.479	ug/L	98
51) Chlorobenzene	9.446	112	208807	53.920	ug/L	99
52) Ethylbenzene	9.571	91	347163	51.446	ug/L	99
53) m,p-Xylene	9.693	106	127694	52.040	ug/L	98
54) o-Xylene	10.102	106	132326	53.557	ug/L	98
55) Styrene	10.115	104	227317	55.749	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	164358	58.983	ug/L	100
59) Bromoform	10.291	173	66159	59.715	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	134242	61.013	ug/L	99
61) Isopropylbenzene	10.484	105	329904	53.487	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	280513	53.917	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	278581	53.899	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	142991	53.107	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	142976	52.863	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	152480	54.462	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	39787	61.715	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	97249	51.545	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	81994	47.357	ug/L	97
71) Naphthalene	14.089	128	338474	54.686	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	94294	52.576	ug/L	100

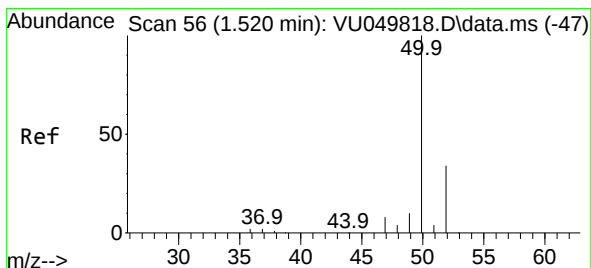
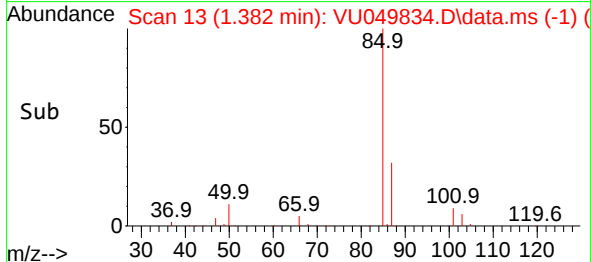
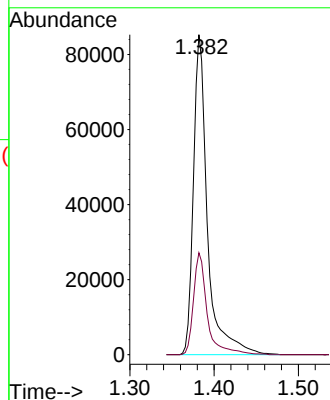
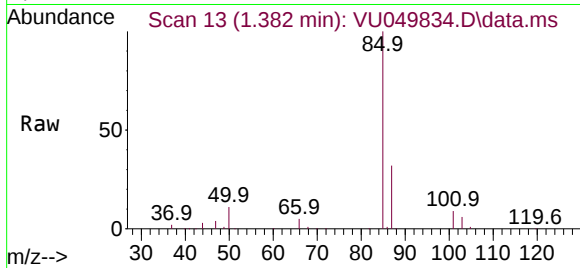
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 45.338 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU049834.D
 Acq: 21 Jul 2022 16:59

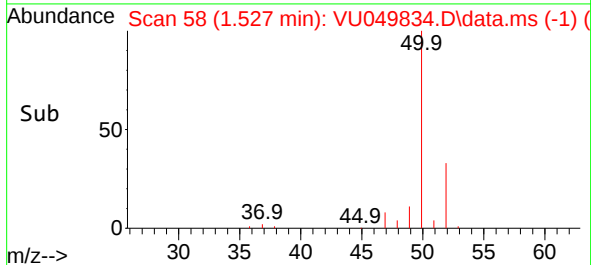
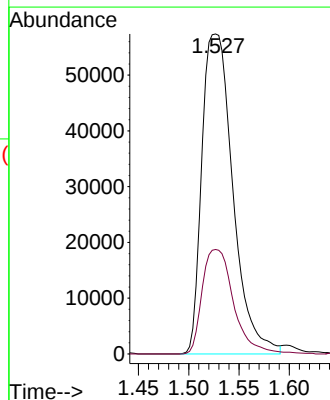
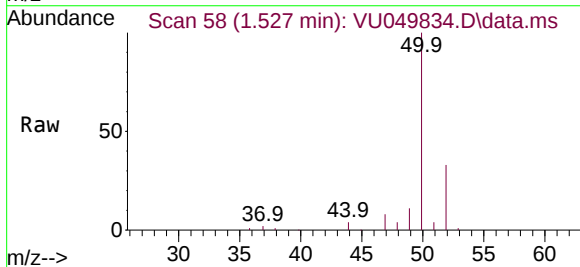
Instrument :
 MSVOA_U
 ClientSampleId :
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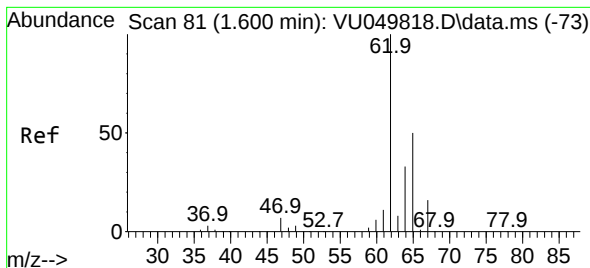
Tgt Ion: 85 Resp: 98358
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.3 39.5



#3
 Chloromethane
 Concen: 51.780 ug/L
 RT: 1.527 min Scan# 58
 Delta R.T. 0.007 min
 Lab File: VU049834.D
 Acq: 21 Jul 2022 16:59

Tgt Ion: 50 Resp: 123286
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.2 43.0





#5

Vinyl chloride

Concen: 47.272 ug/L

RT: 1.601 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

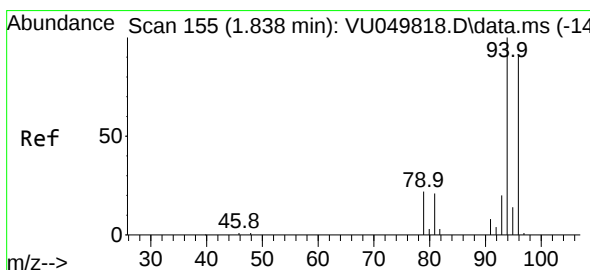
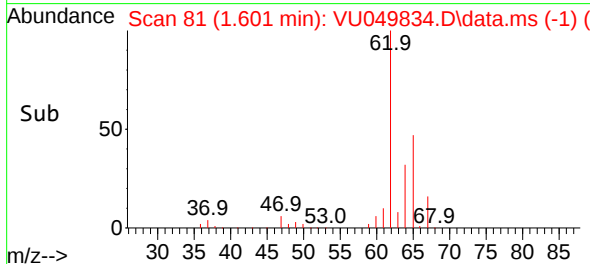
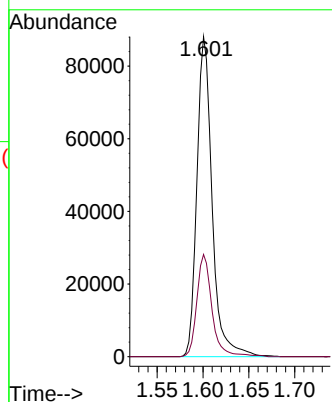
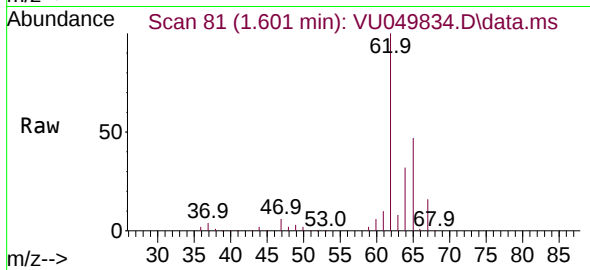
DBUN5MSD

Tgt Ion: 62 Resp: 101706

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 51.211 ug/L

RT: 1.835 min Scan# 154

Delta R.T. -0.003 min

Lab File: VU049834.D

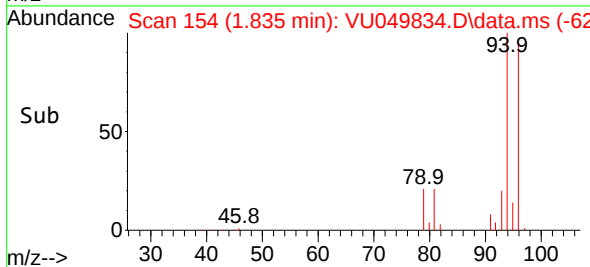
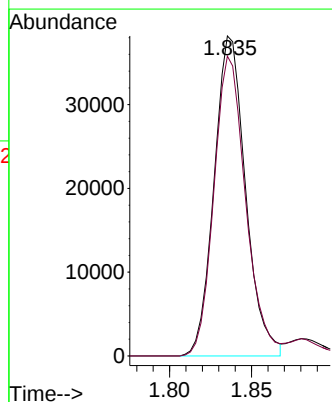
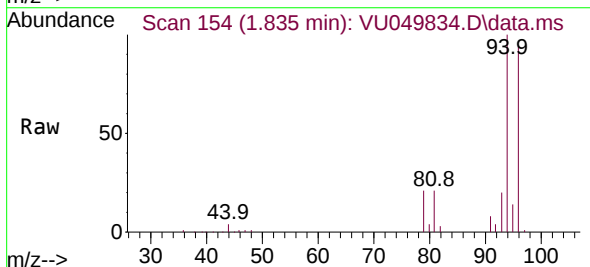
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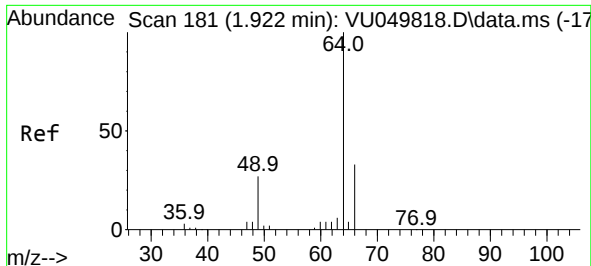
Tgt Ion: 94 Resp: 50907

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.7

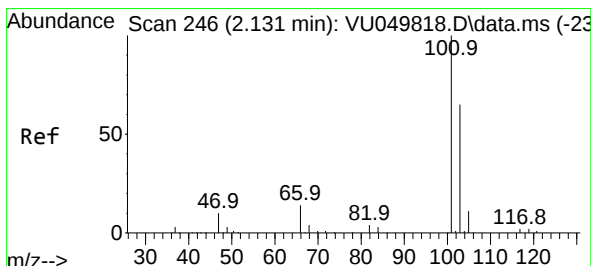
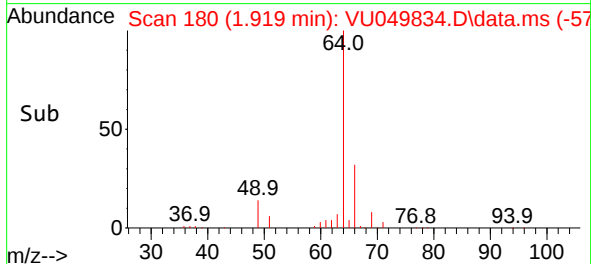
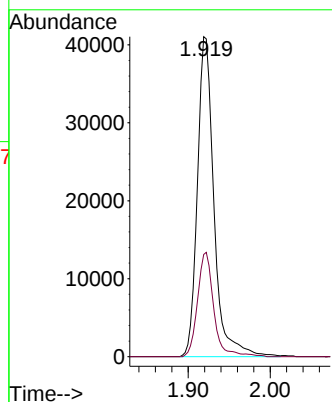
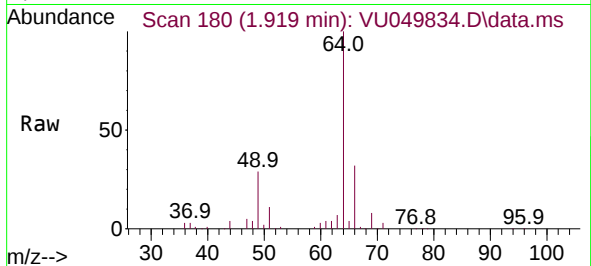




#8
Chloroethane
Concen: 48.356 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

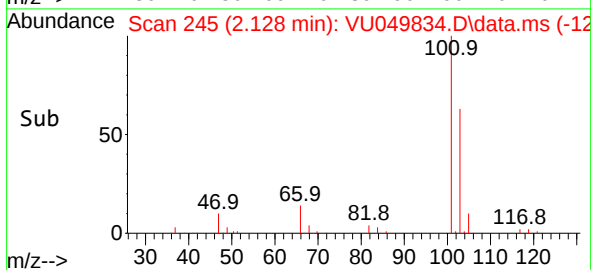
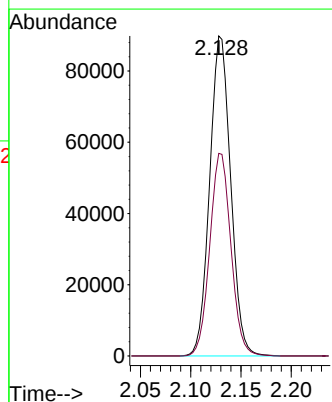
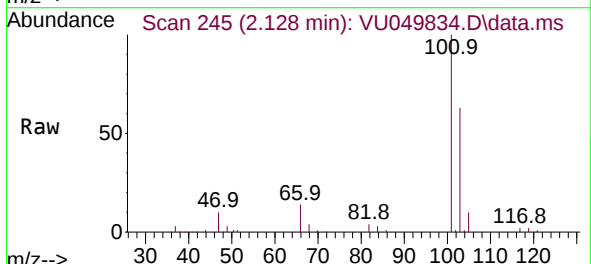
Instrument :
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DBUN5MSD

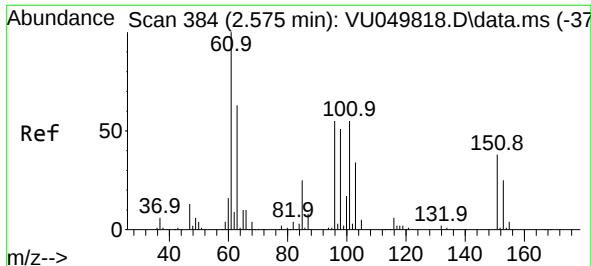
Tgt Ion: 64 Resp: 57633
Ion Ratio Lower Upper
64 100
66 32.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.140 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion:101 Resp: 130568
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.4

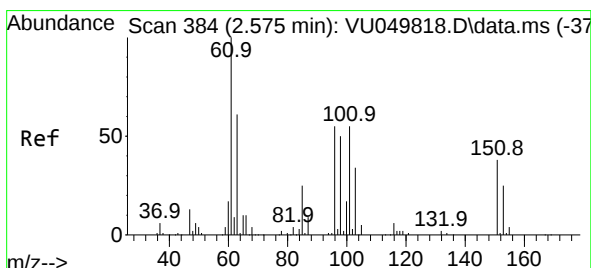
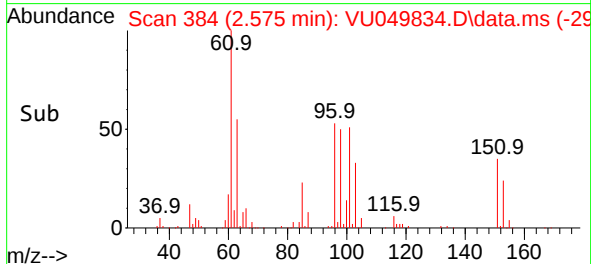
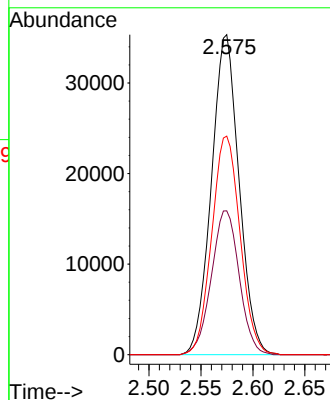
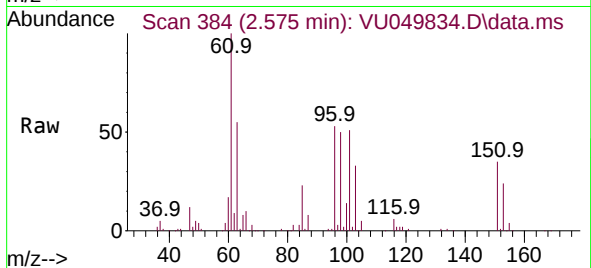




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.906 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

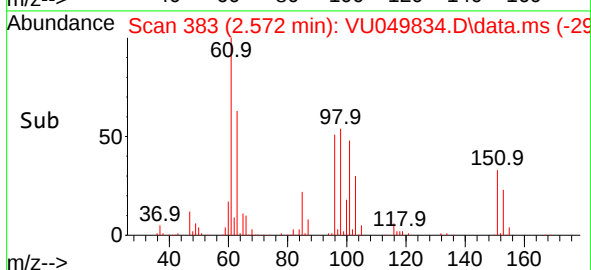
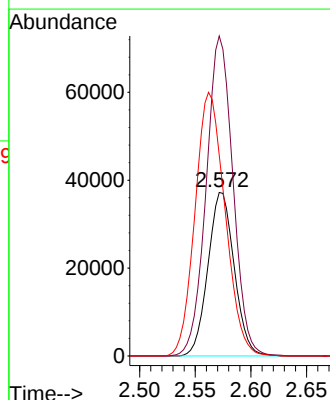
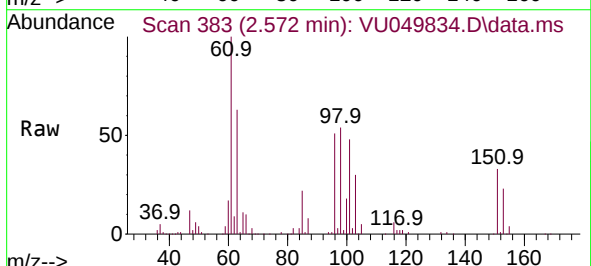
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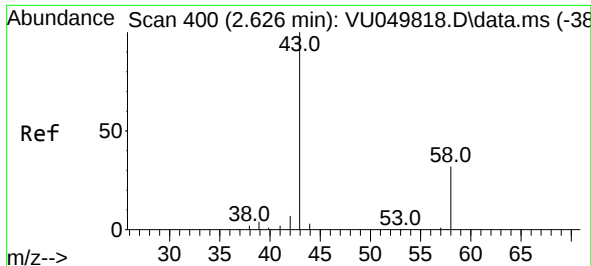
Tgt Ion:101 Resp: 65398
Ion Ratio Lower Upper
101 100
85 45.3 37.3 55.9
151 70.0 56.9 85.3



#12
1,1-Dichloroethene
Concen: 47.208 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 96 Resp: 61086
Ion Ratio Lower Upper
96 100
61 195.7 129.6 240.6
63 122.8 79.0 146.6





#13

Acetone

Concen: 95.208 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

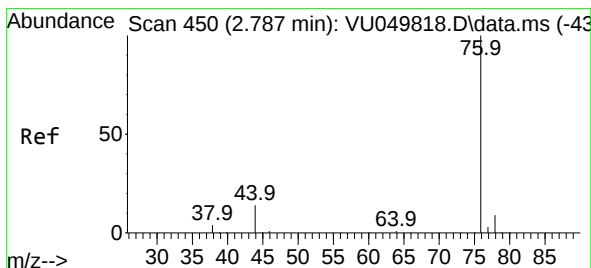
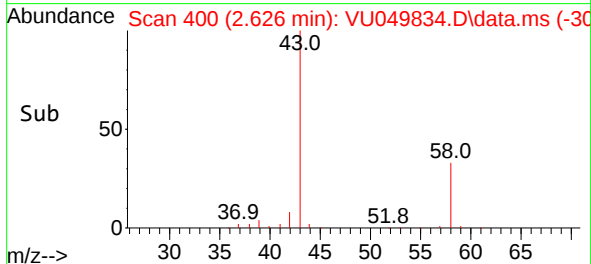
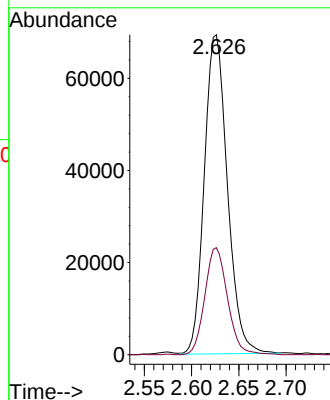
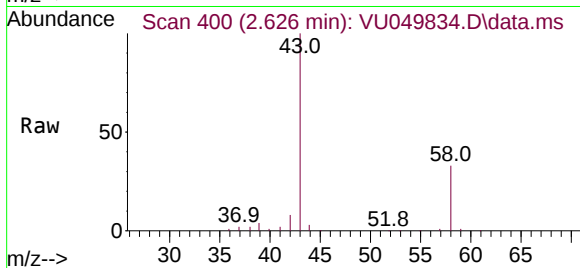
DBUN5MSD

Tgt Ion: 43 Resp: 117949

Ion Ratio Lower Upper

43 100

58 32.9 0.0 61.4



#14

Carbon disulfide

Concen: 40.993 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU049834.D

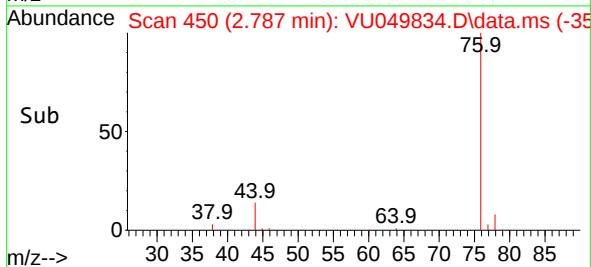
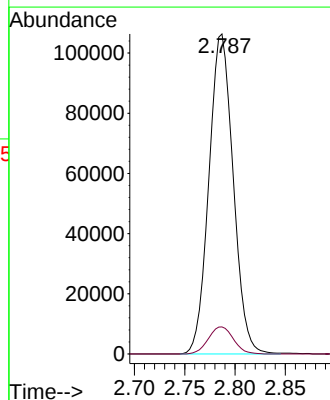
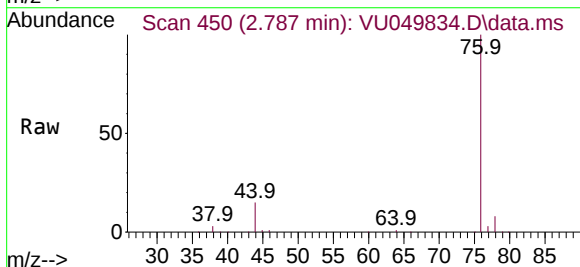
Acq: 21 Jul 2022 16:59

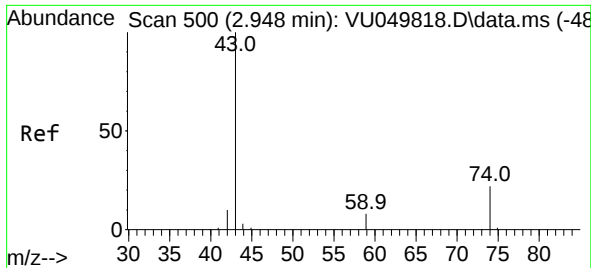
Tgt Ion: 76 Resp: 178874

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4

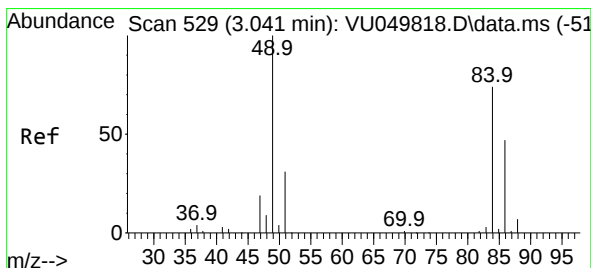
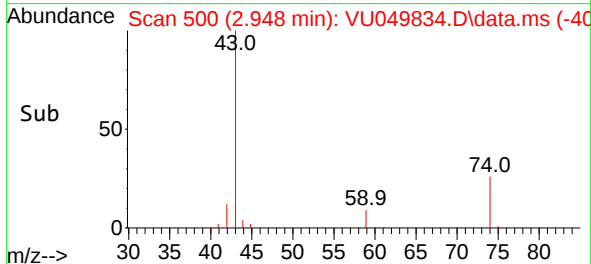
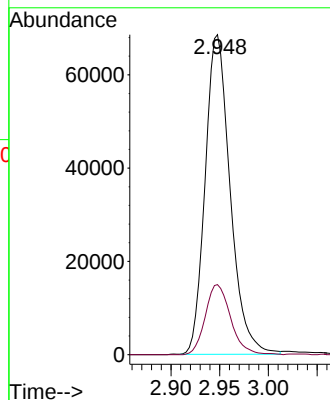
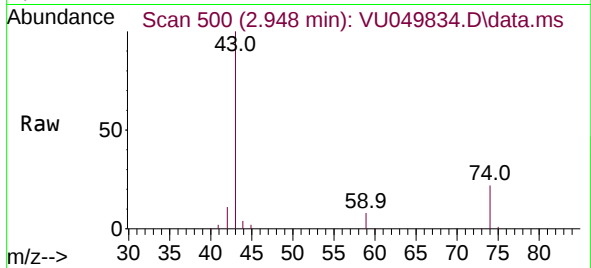




#15
Methyl Acetate
Concen: 60.823 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

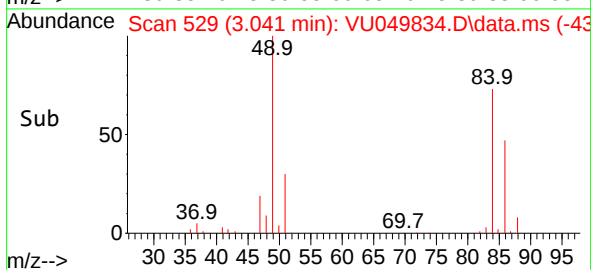
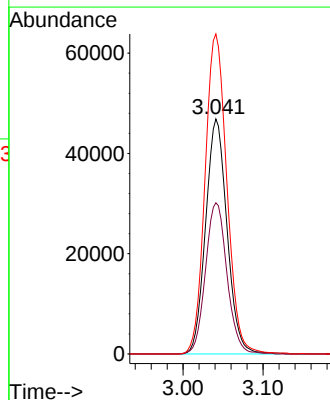
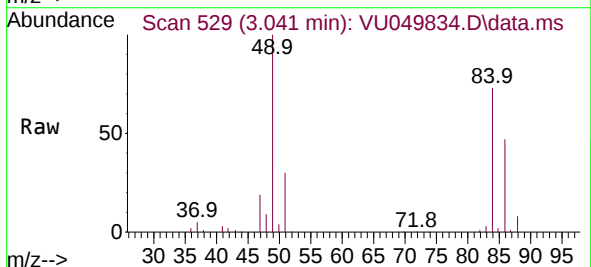
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

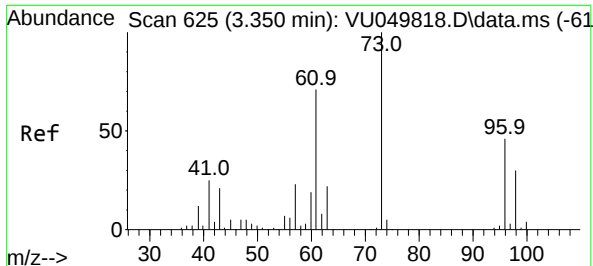
Tgt Ion: 43 Resp: 122418
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.0



#16
Methylene chloride
Concen: 53.738 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 84 Resp: 87564
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.6
49 136.2 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 50.508 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

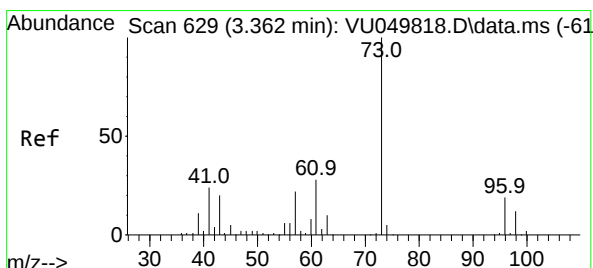
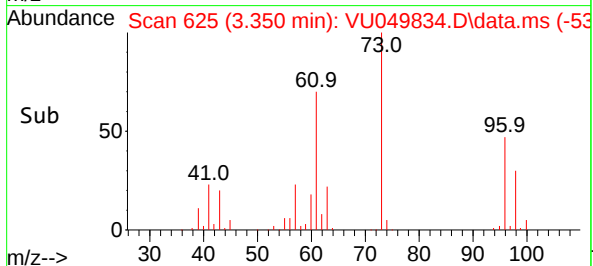
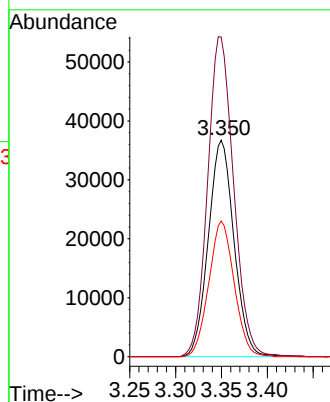
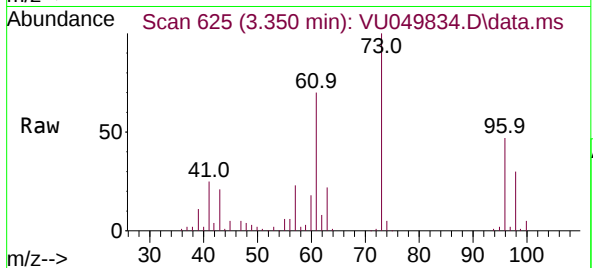
Tgt Ion: 96 Resp: 71495

Ion Ratio Lower Upper

96 100

61 147.8 107.6 199.8

98 62.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 56.790 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

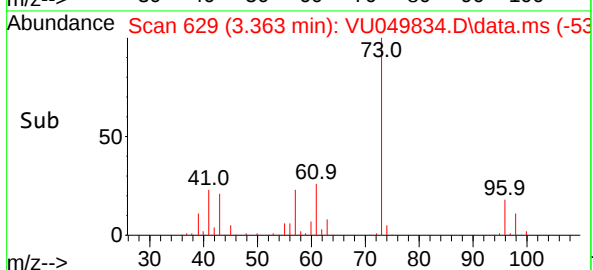
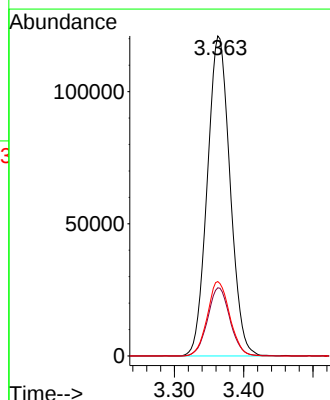
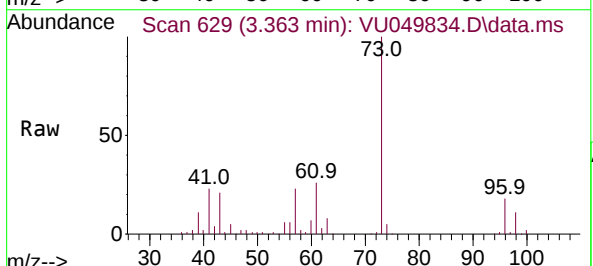
Tgt Ion: 73 Resp: 275347

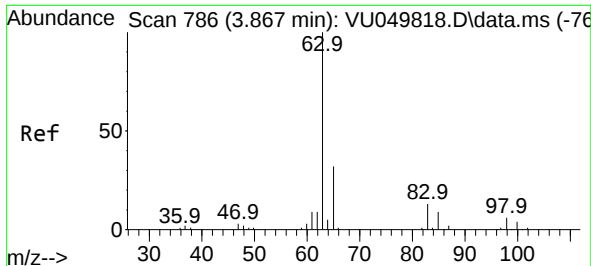
Ion Ratio Lower Upper

73 100

43 21.1 17.0 25.4

57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 54.323 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

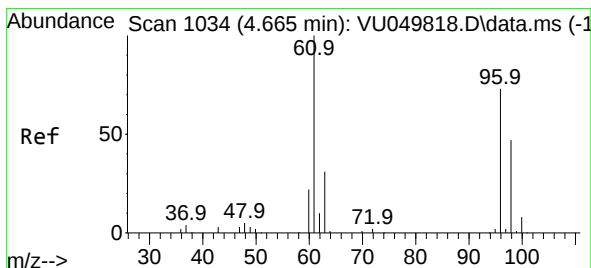
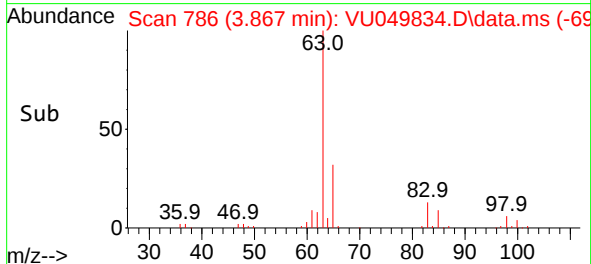
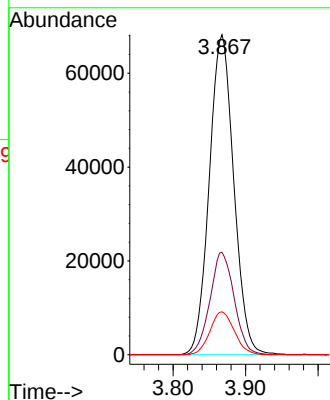
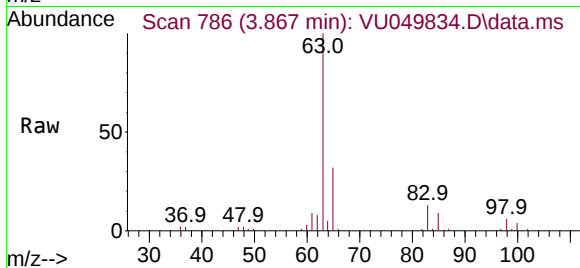
Tgt Ion: 63 Resp: 160090

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

83 13.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 53.749 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

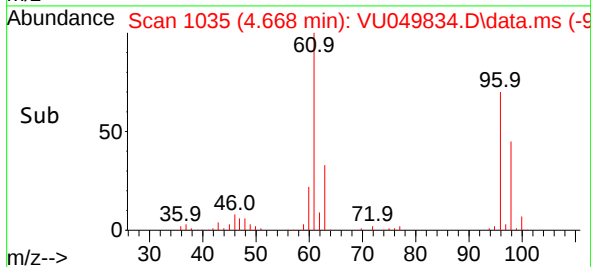
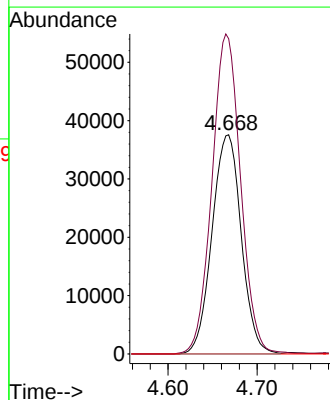
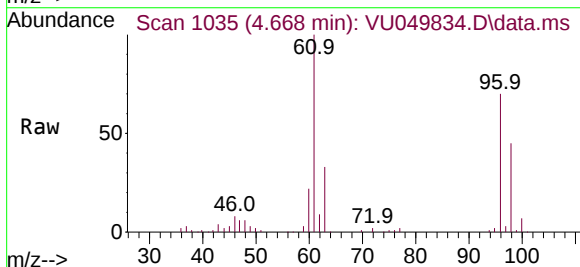
Tgt Ion: 96 Resp: 85508

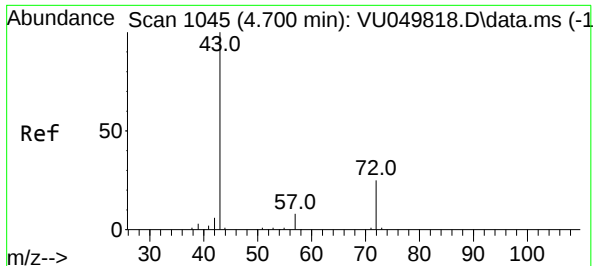
Ion Ratio Lower Upper

96 100

61 143.8 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.900 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

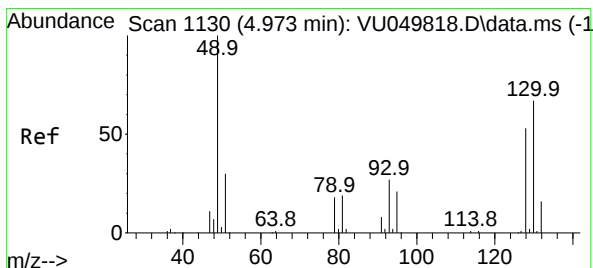
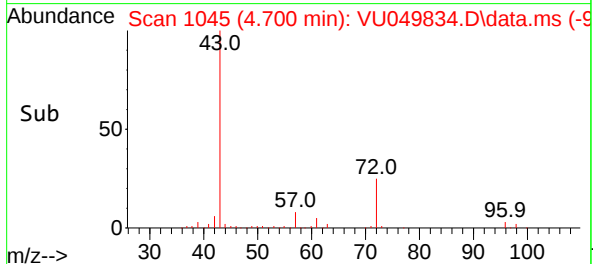
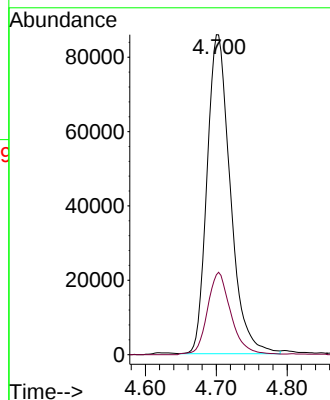
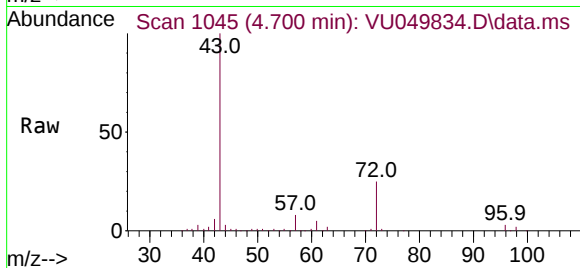
DBUN5MSD

Tgt Ion: 43 Resp: 195555

Ion Ratio Lower Upper

43 100

72 26.1 12.7 38.0



#23

Bromochloromethane

Concen: 56.540 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Tgt Ion: 128 Resp: 44881

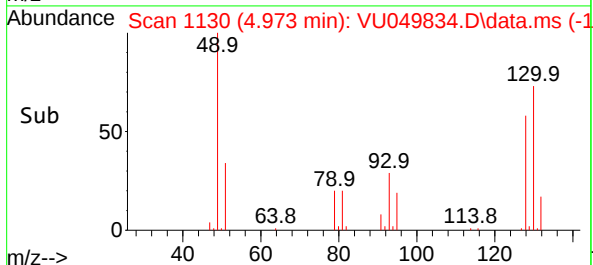
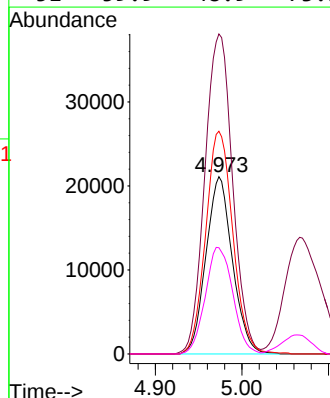
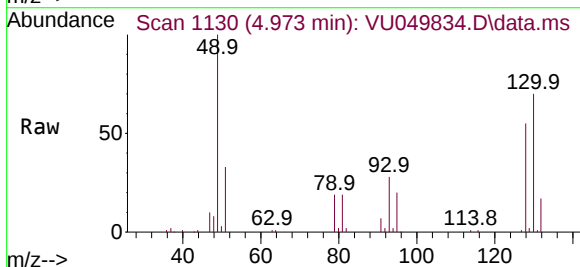
Ion Ratio Lower Upper

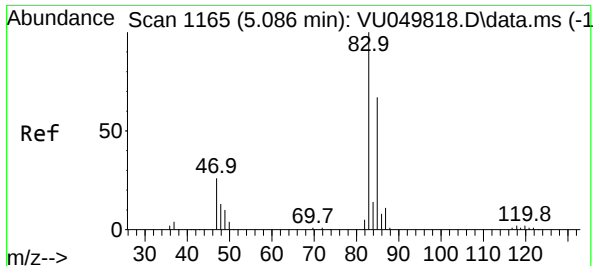
128 100

49 180.4 140.9 261.7

130 125.6 90.0 167.2

51 59.9 48.9 73.3





#25

Chloroform

Concen: 56.570 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

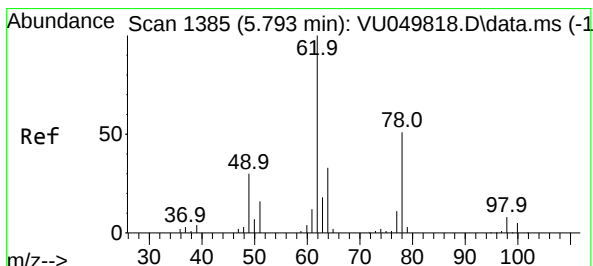
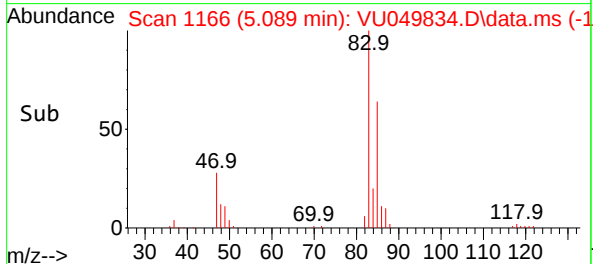
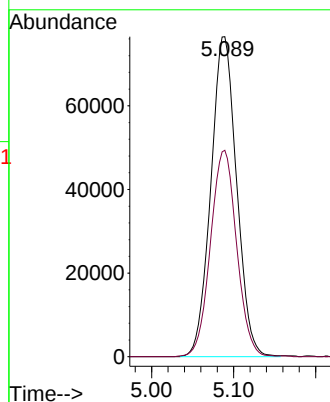
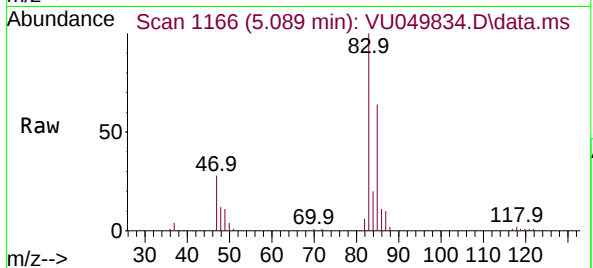
DBUN5MSD

Tgt Ion: 83 Resp: 167171

Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 56.023 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049834.D

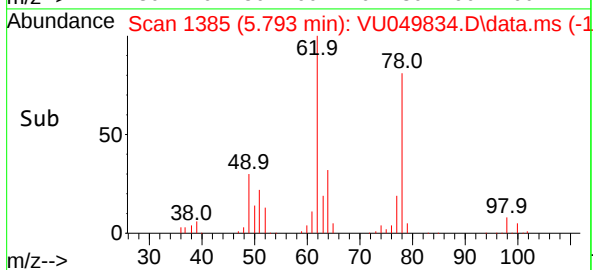
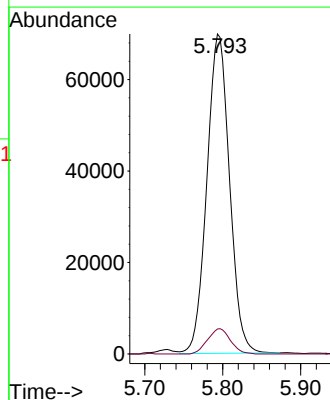
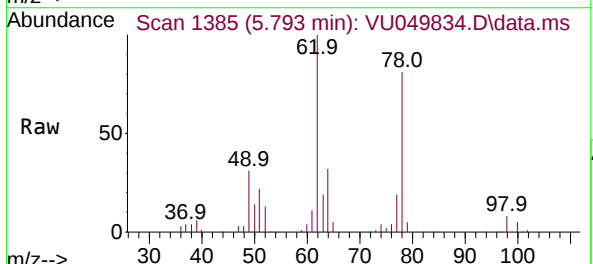
Acq: 21 Jul 2022 16:59

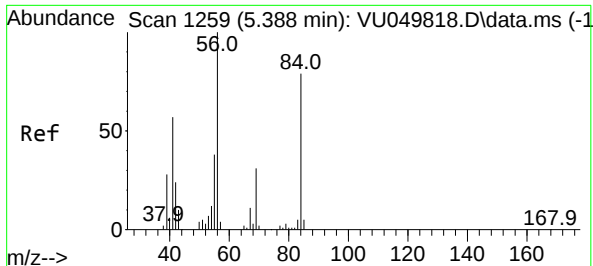
Tgt Ion: 62 Resp: 140969

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1





#29

Cyclohexane

Concen: 43.975 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

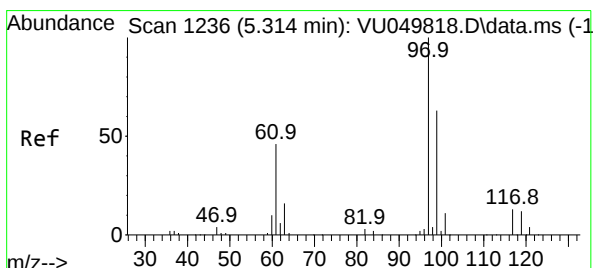
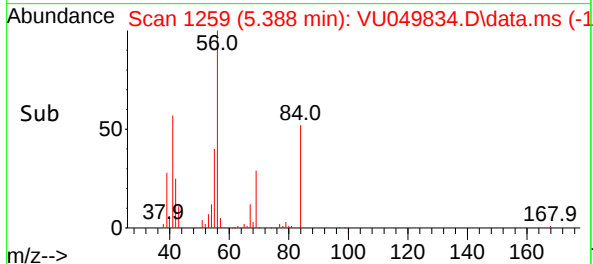
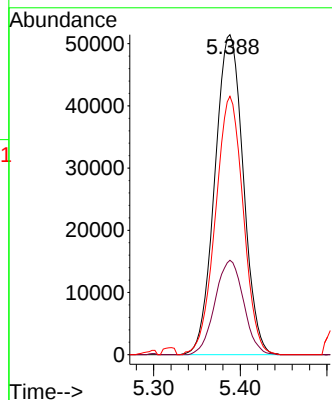
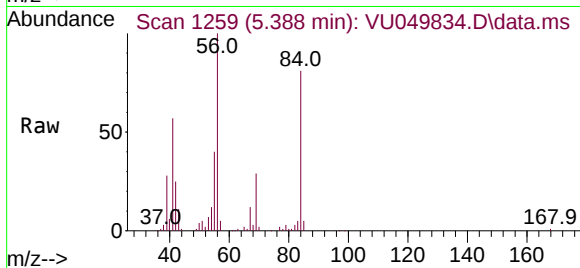
Tgt Ion: 56 Resp: 117495

Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.2

84 78.9 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 54.187 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

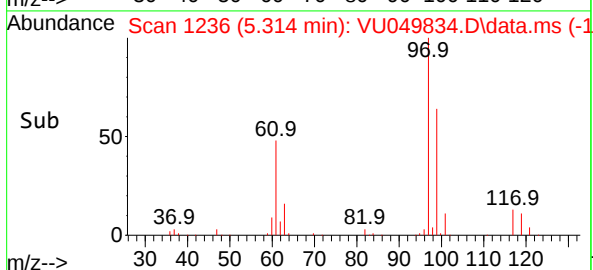
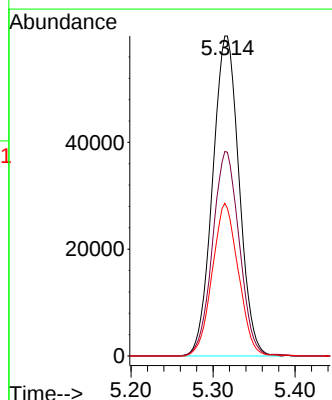
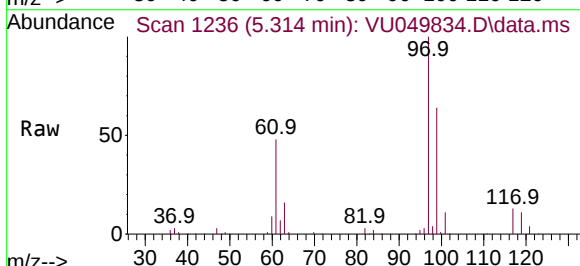
Tgt Ion: 97 Resp: 134285

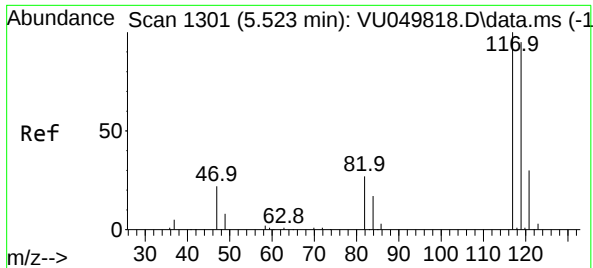
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 47.0 38.2 57.2

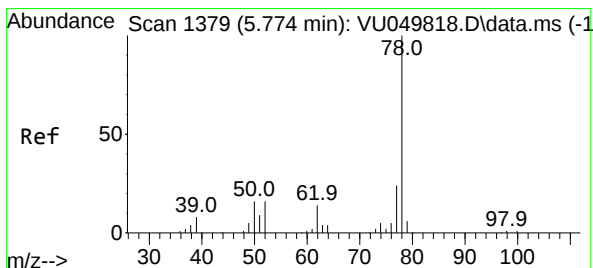
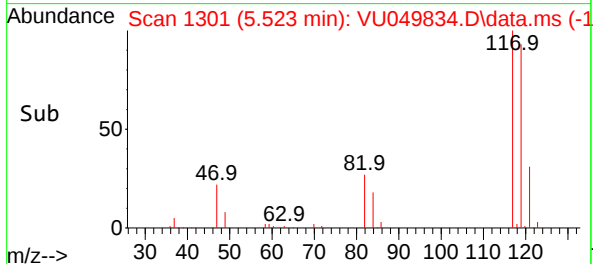
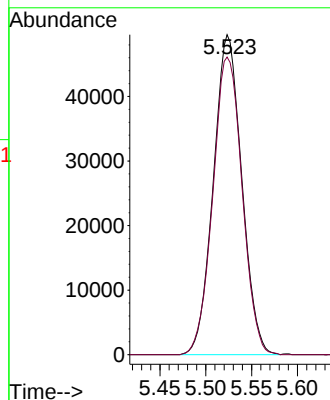
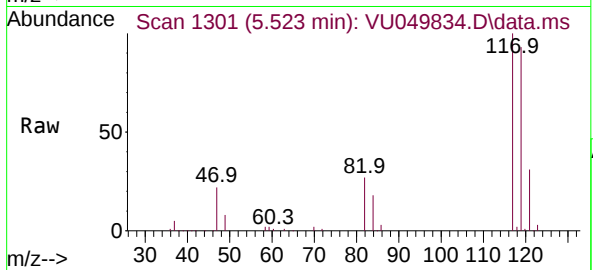




#31
Carbon tetrachloride
Concen: 52.692 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

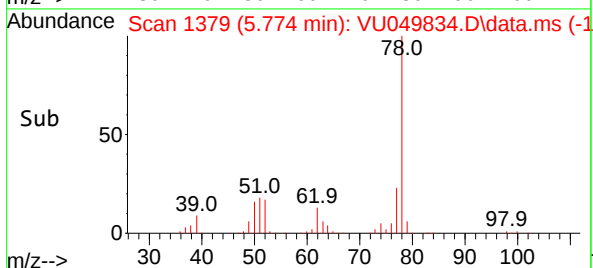
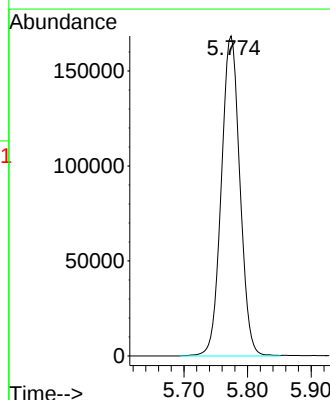
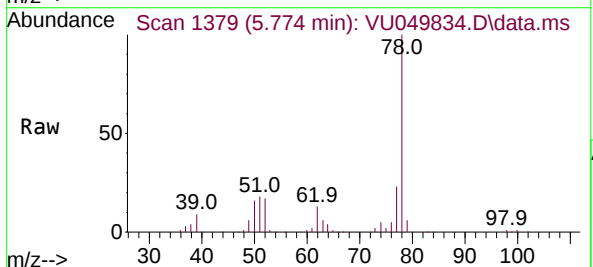
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

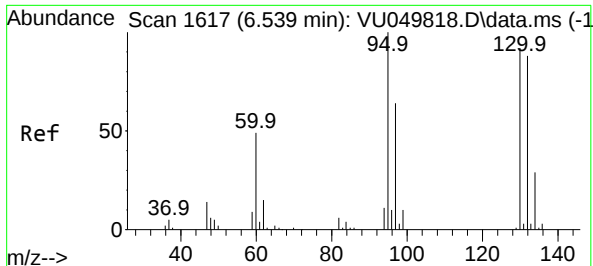
Tgt Ion:117 Resp: 106799
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.8



#33
Benzene
Concen: 53.135 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 78 Resp: 341883



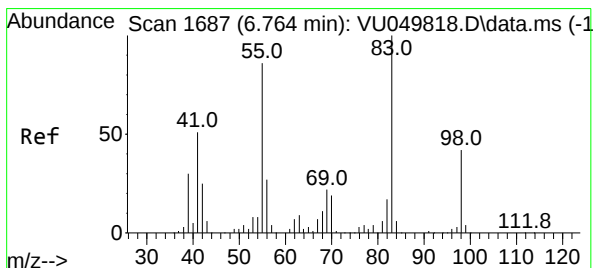
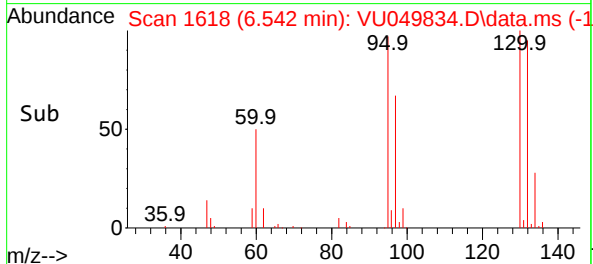
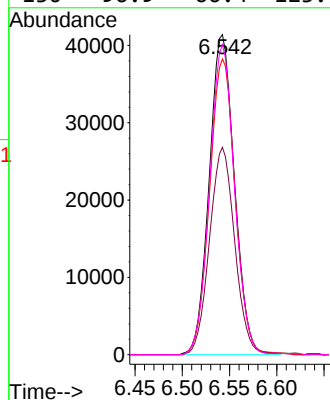
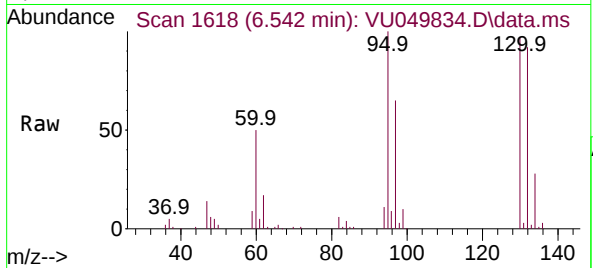


#34
Trichloroethene
Concen: 49.468 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

Tgt Ion: 95 Resp: 76938

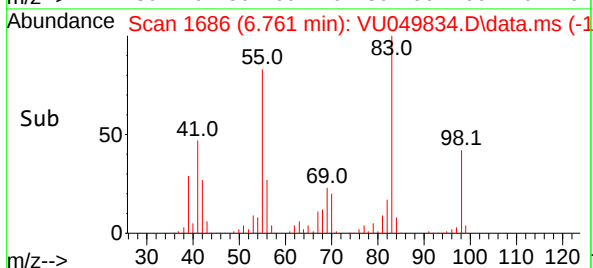
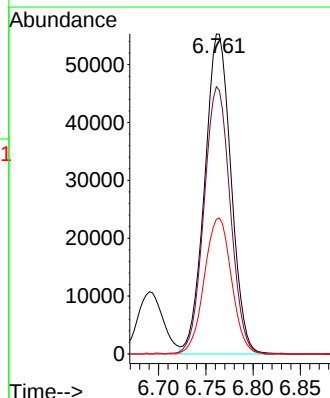
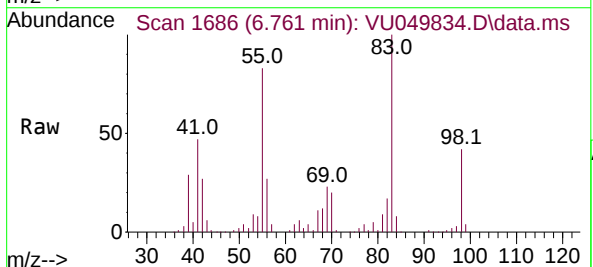
Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.9	87.1
132	92.4	62.7	116.5
130	96.9	66.4	123.4

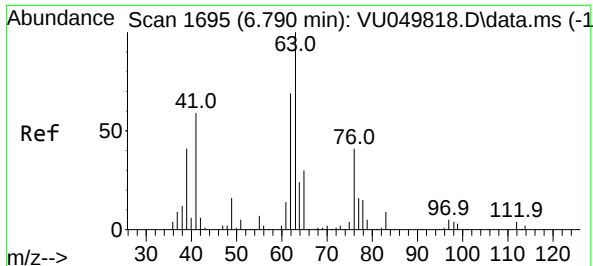


#35
Methylcyclohexane
Concen: 43.871 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 83 Resp: 107222

Ion	Ratio	Lower	Upper
83	100		
55	83.3	66.0	99.0
98	43.8	34.6	51.8





#37

1,2-Dichloropropane

Concen: 56.048 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

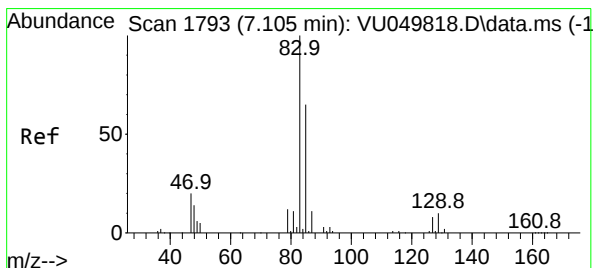
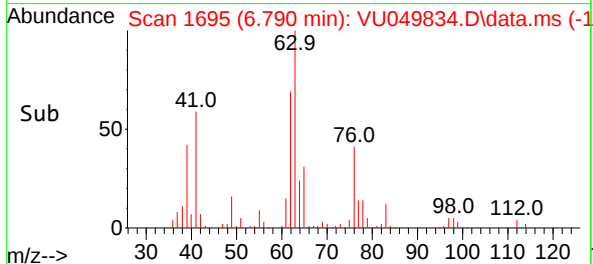
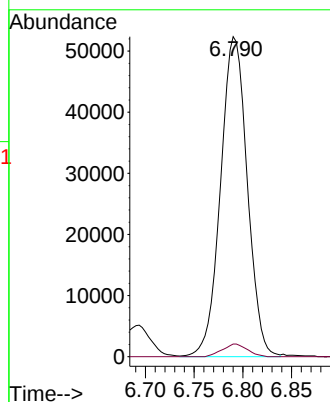
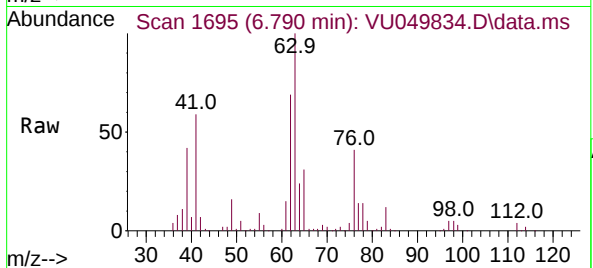
DBUN5MSD

Tgt Ion: 63 Resp: 99957

Ion Ratio Lower Upper

63 100

112 3.7 2.8 4.2



#38

Bromodichloromethane

Concen: 56.253 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

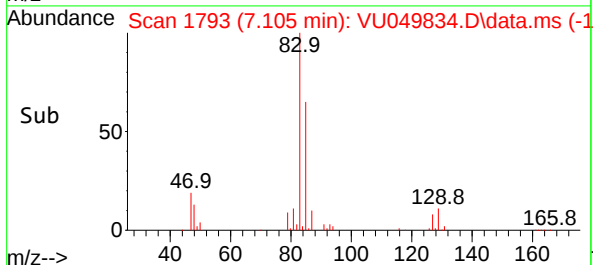
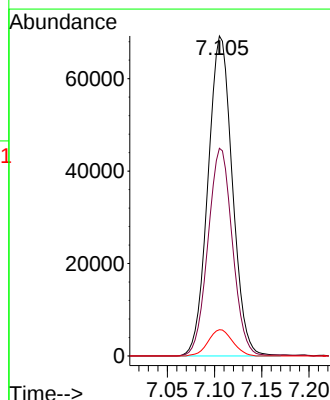
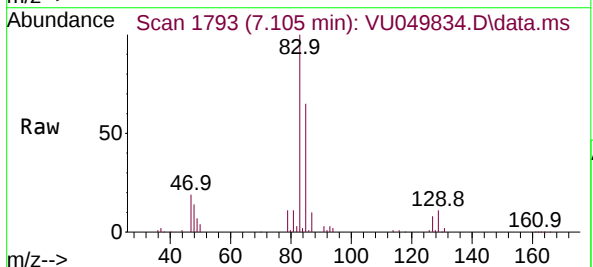
Tgt Ion: 83 Resp: 124384

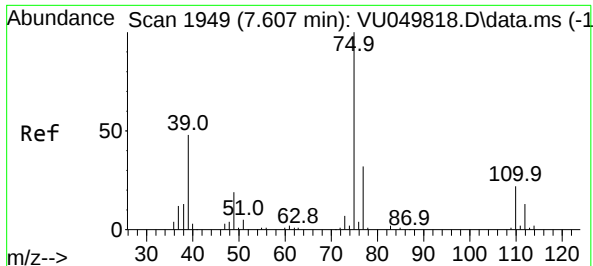
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2

127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 56.750 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

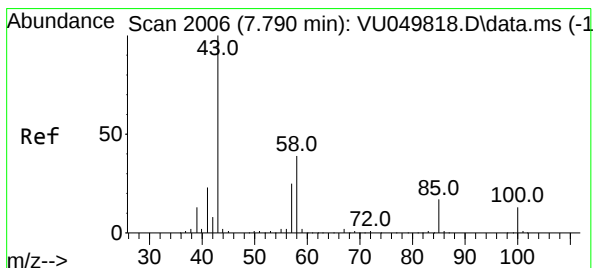
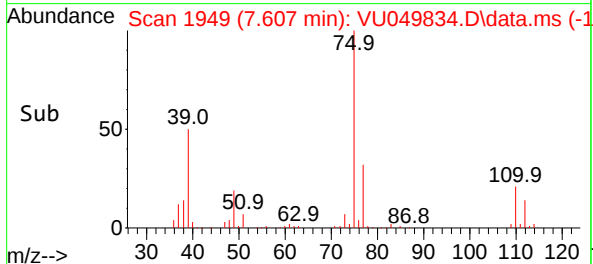
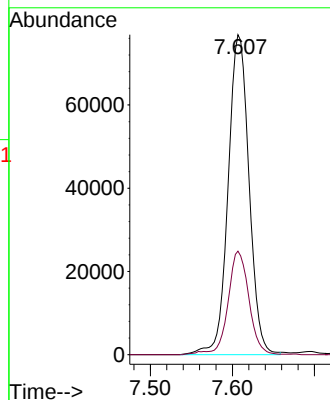
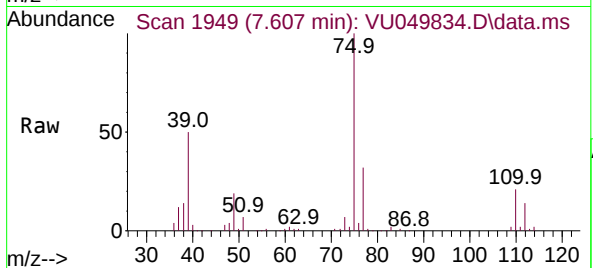
DBUN5MSD

Tgt Ion: 75 Resp: 136498

Ion Ratio Lower Upper

75 100

77 32.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 124.394 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

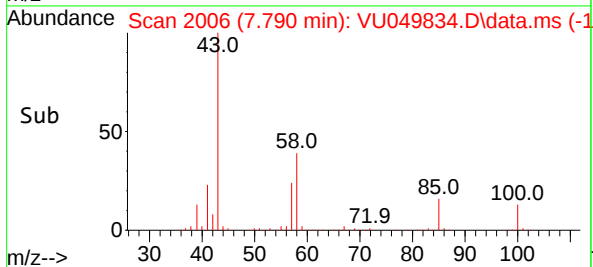
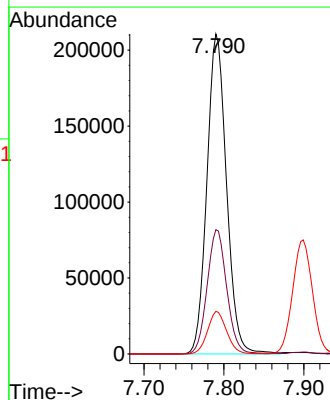
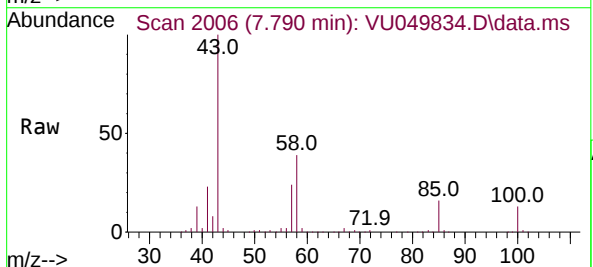
Tgt Ion: 43 Resp: 359144

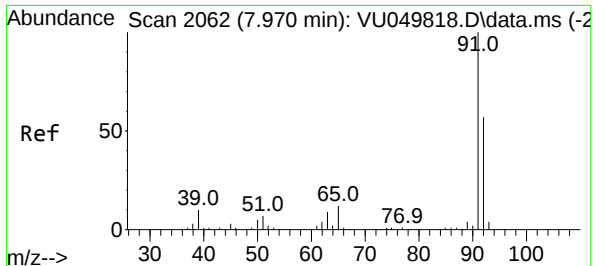
Ion Ratio Lower Upper

43 100

58 38.8 31.4 47.0

100 13.0 10.3 15.5

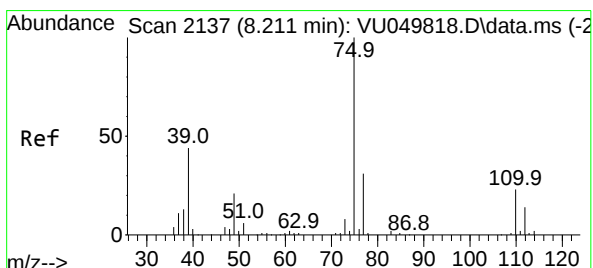
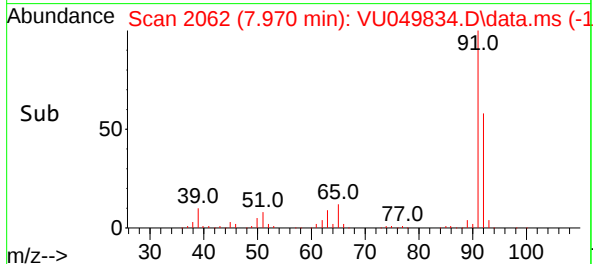
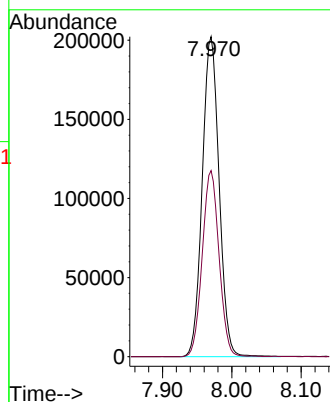
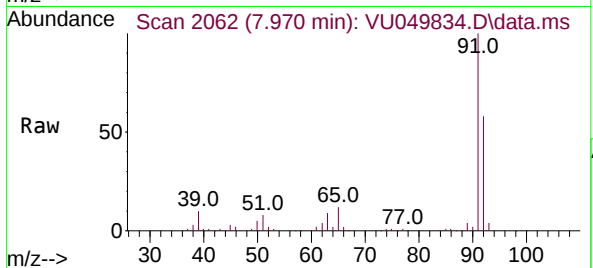




#42
Toluene
Concen: 53.306 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

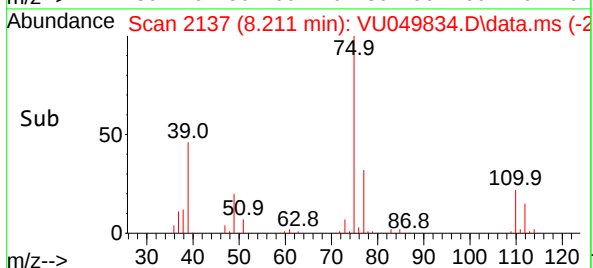
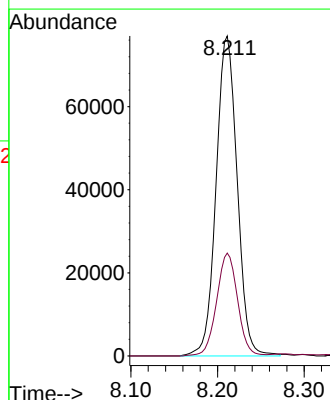
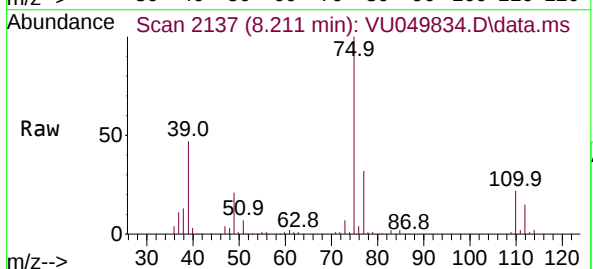
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

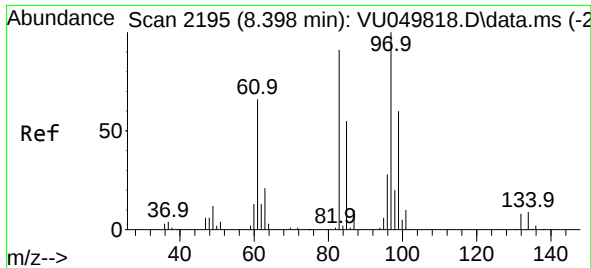
Tgt Ion: 91 Resp: 340884
Ion Ratio Lower Upper
91 100
92 58.2 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 57.726 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 75 Resp: 130368
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.9

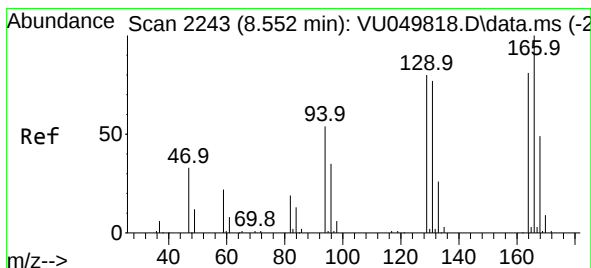
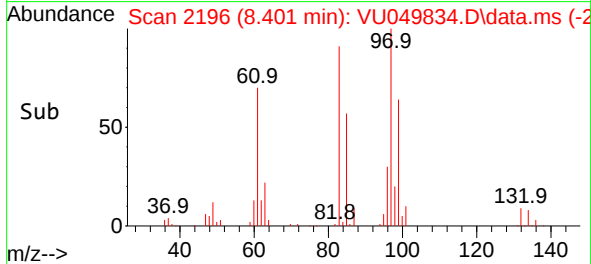
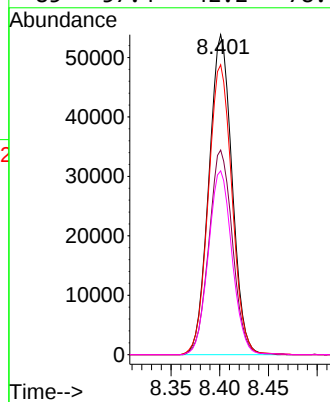
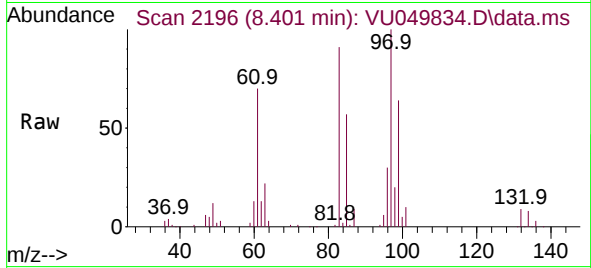




#45
1,1,2-Trichloroethane
Concen: 57.346 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

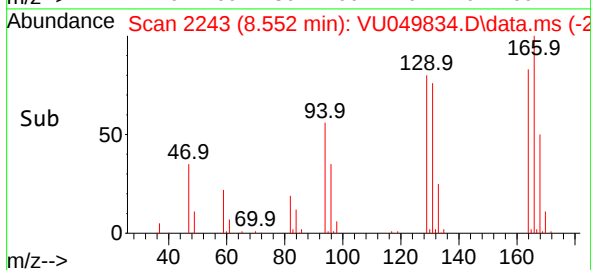
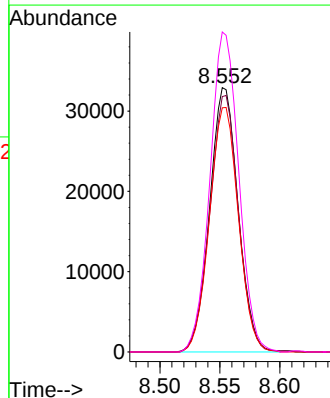
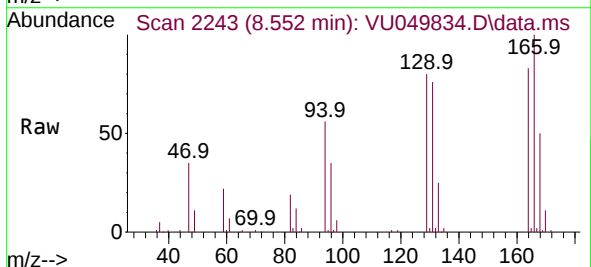
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

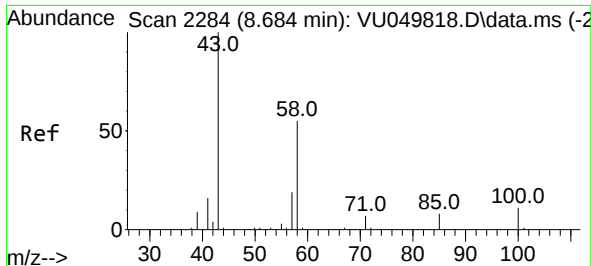
Tgt Ion:	97	Resp:	89269
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	82.3
83	90.6	64.0	118.8
85	57.4	42.2	78.4



#46
Tetrachloroethene
Concen: 50.460 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion:	164	Resp:	54432
Ion	Ratio	Lower	Upper
164	100		
129	96.6	72.0	133.8
131	92.4	69.0	128.1
166	121.1	91.1	169.3



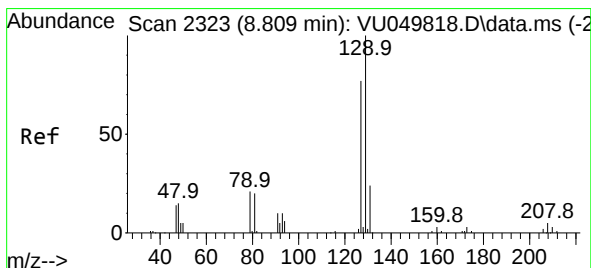
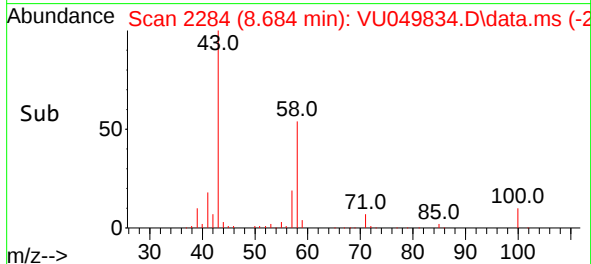
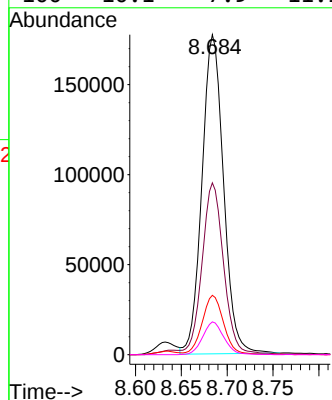
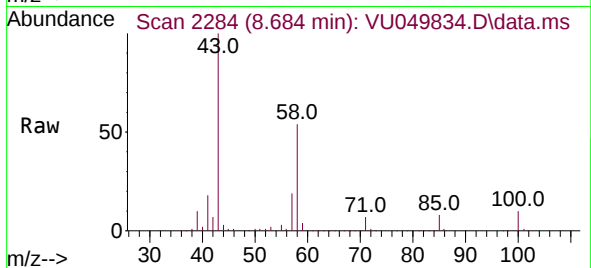


#48
2-Hexanone
Concen: 125.753 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

Tgt Ion: 43 Resp: 290133

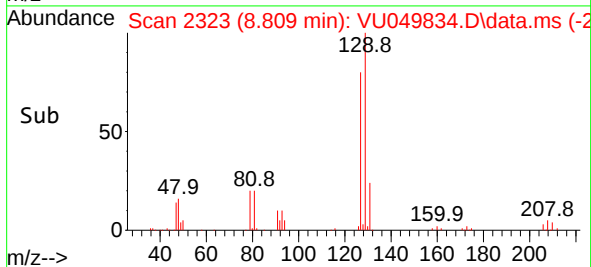
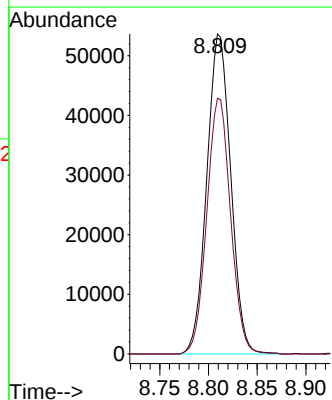
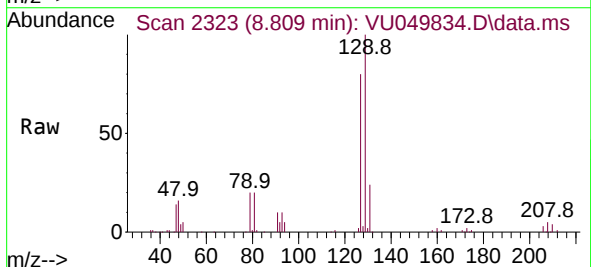
Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.6	64.0
57	18.6	15.0	22.6
100	10.1	7.9	11.9

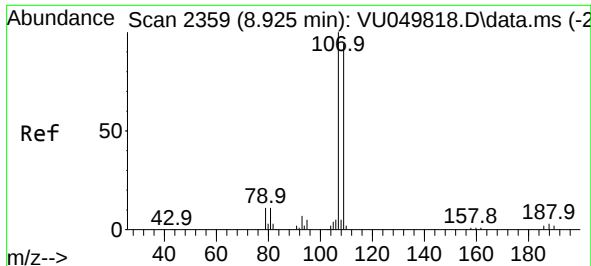


#49
Dibromochloromethane
Concen: 58.644 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 129 Resp: 91817

Ion	Ratio	Lower	Upper
129	100		
127	79.9	56.9	105.7





#50

1,2-Dibromoethane

Concen: 59.479 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

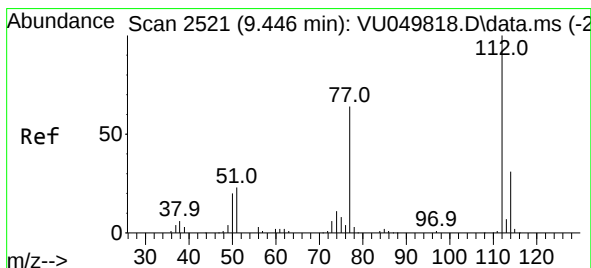
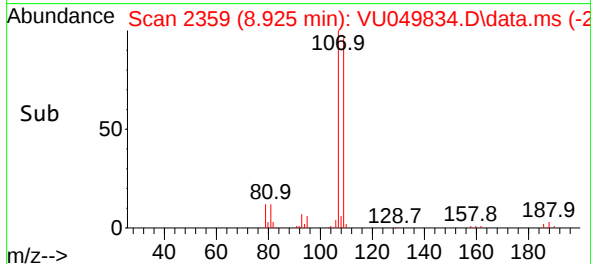
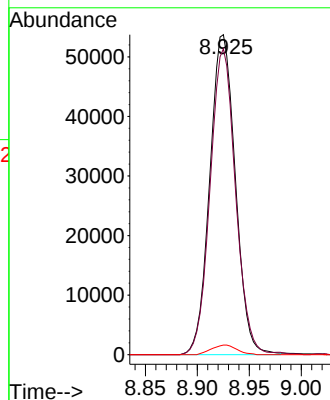
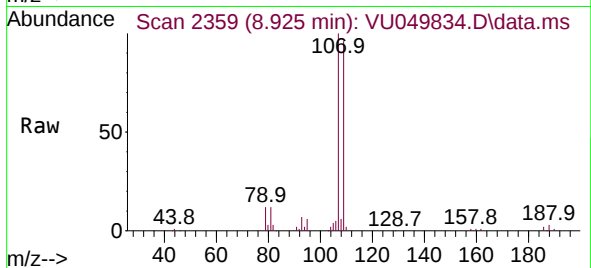
Tgt Ion:107 Resp: 91974

Ion Ratio Lower Upper

107 100

109 95.6 65.7 121.9

188 3.0 2.7 4.1



#51

Chlorobenzene

Concen: 53.920 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

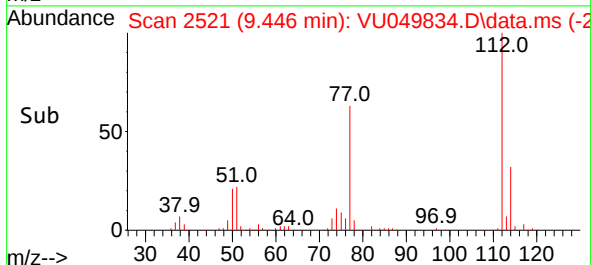
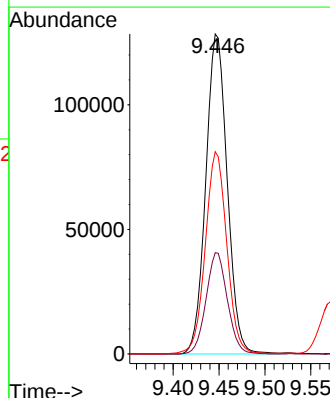
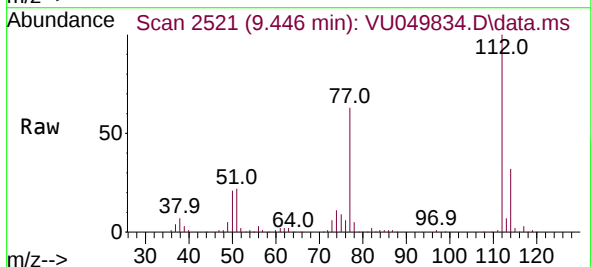
Tgt Ion:112 Resp: 208807

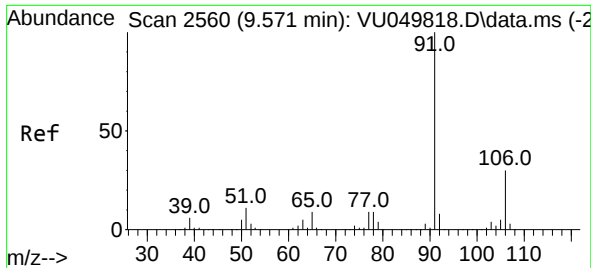
Ion Ratio Lower Upper

112 100

114 31.7 22.1 41.1

77 63.2 51.2 76.8

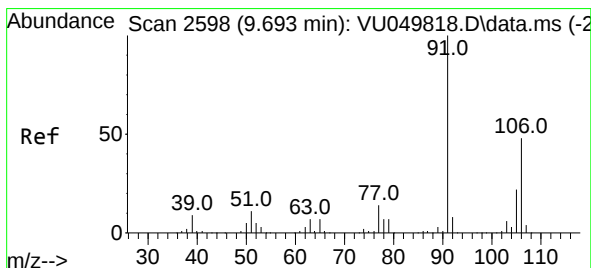
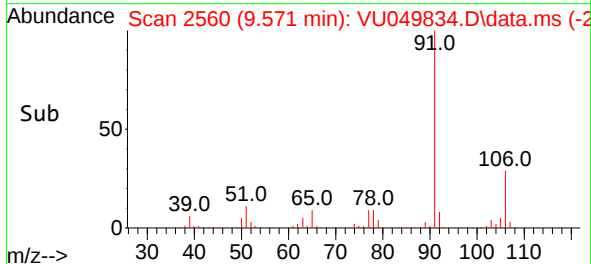
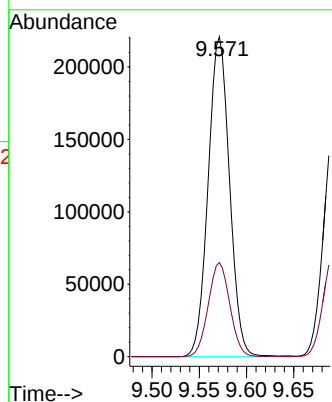
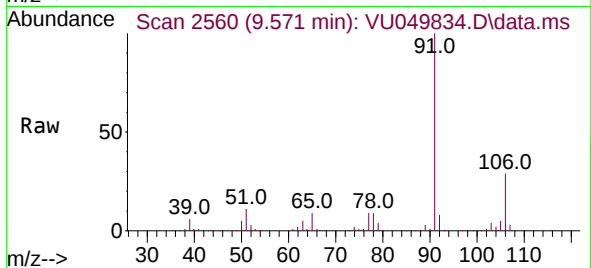




#52
Ethylbenzene
Concen: 51.446 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

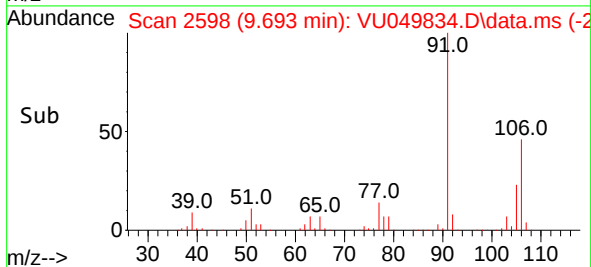
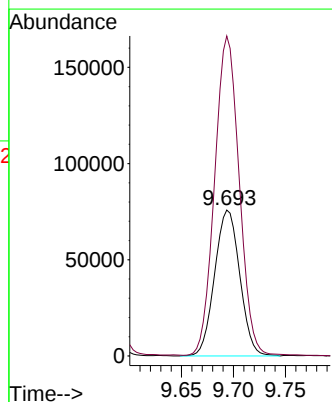
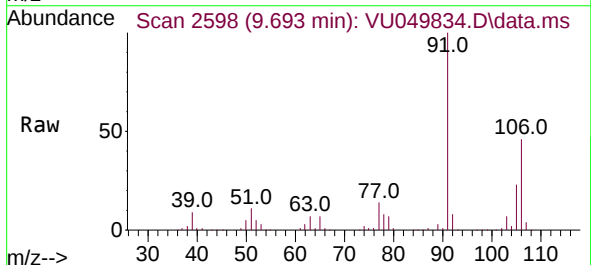
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

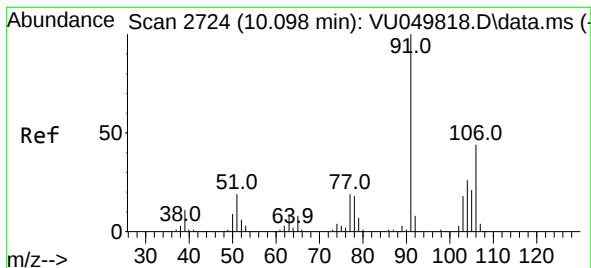
Tgt Ion: 91 Resp: 347163
Ion Ratio Lower Upper
91 100
106 29.4 21.0 39.0



#53
m,p-Xylene
Concen: 52.040 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 106 Resp: 127694
Ion Ratio Lower Upper
106 100
91 219.2 151.7 281.7





#54

o-Xylene

Concen: 53.557 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

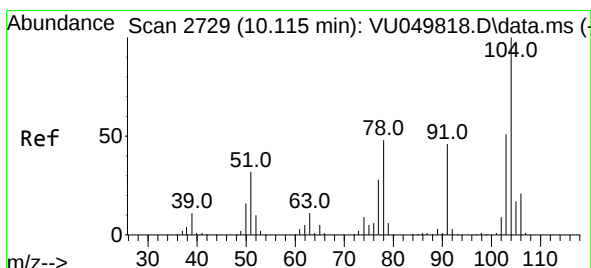
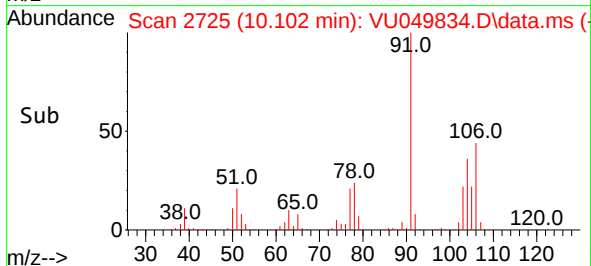
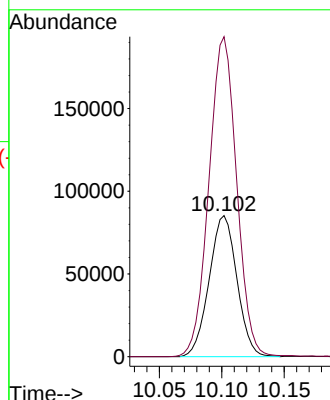
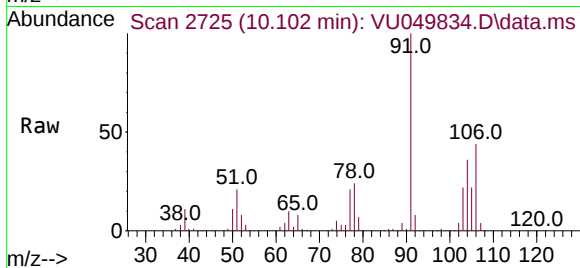
DBUN5MSD

Tgt Ion:106 Resp: 132326

Ion Ratio Lower Upper

106 100

91 226.9 156.9 291.5



#55

Styrene

Concen: 55.749 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049834.D

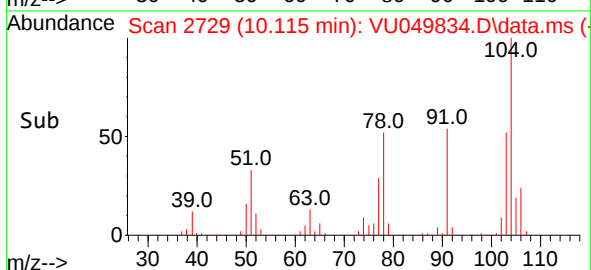
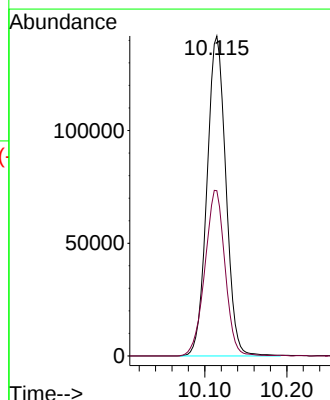
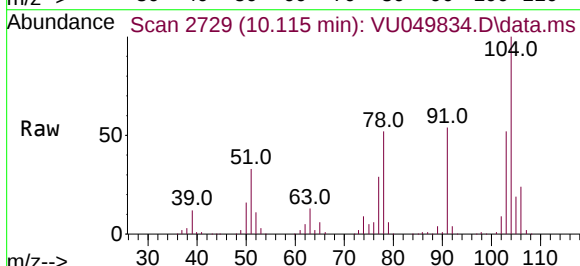
Acq: 21 Jul 2022 16:59

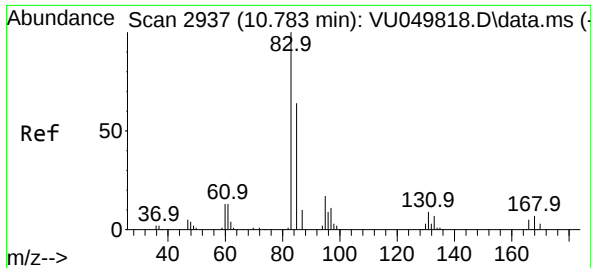
Tgt Ion:104 Resp: 227317

Ion Ratio Lower Upper

104 100

78 51.7 36.1 67.1

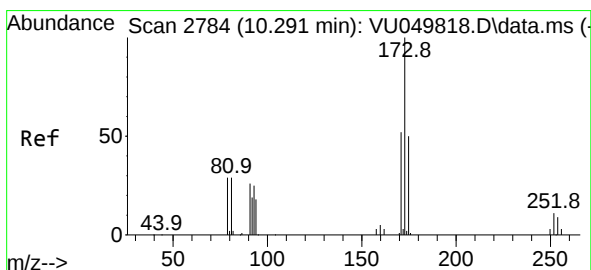
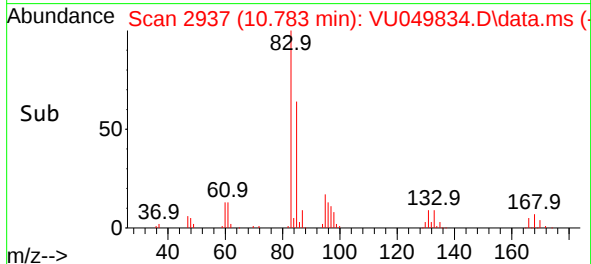
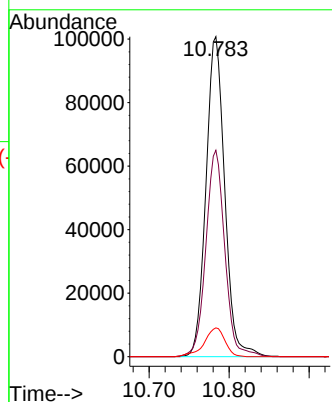
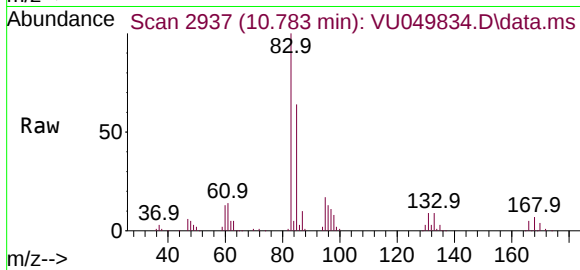




#57
1,1,2,2-Tetrachloroethane
Concen: 58.983 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

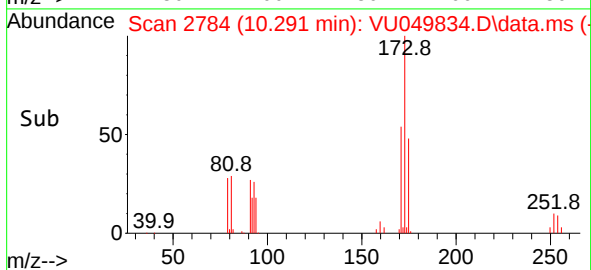
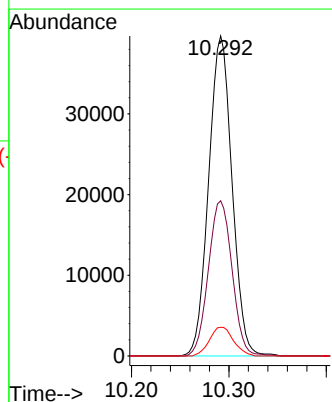
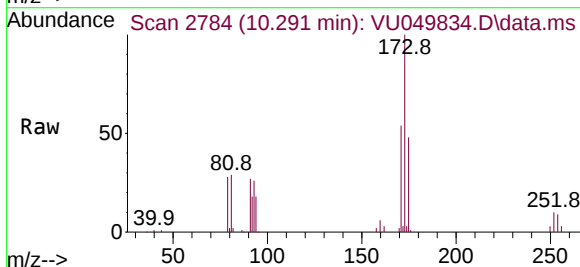
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

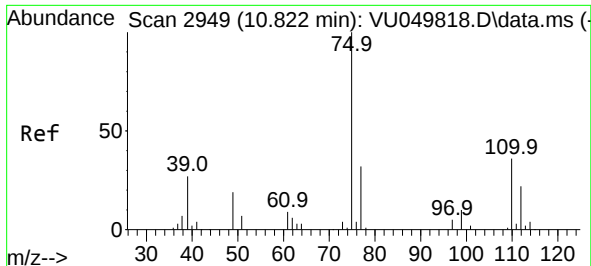
Tgt Ion: 83 Resp: 164358
Ion Ratio Lower Upper
83 100
85 64.5 45.0 83.6
131 9.0 7.0 10.6



#59
Bromoform
Concen: 59.715 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 173 Resp: 66159
Ion Ratio Lower Upper
173 100
175 49.1 38.6 58.0
254 9.2 7.4 11.0

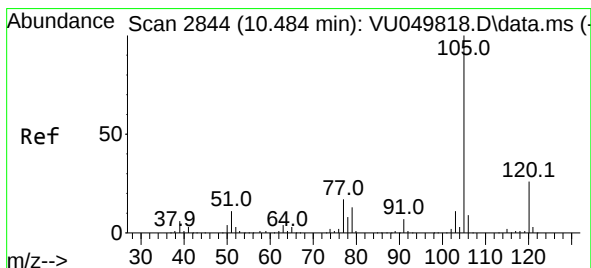
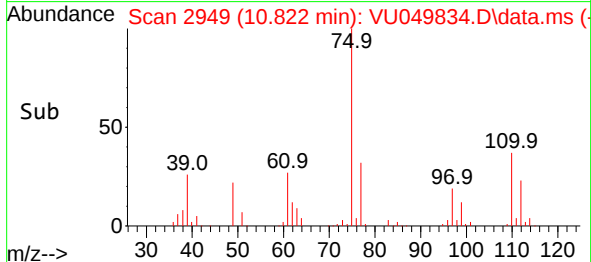
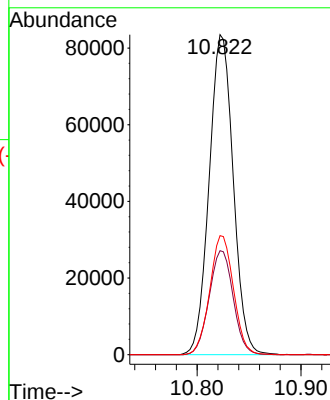
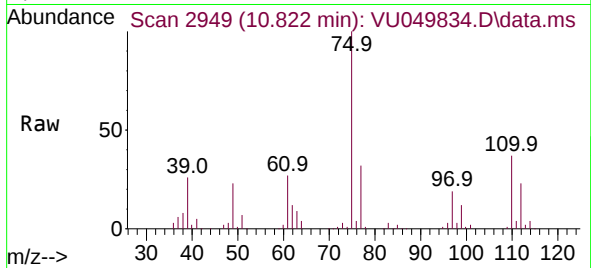




#60
1,2,3-Trichloropropane
Concen: 61.013 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

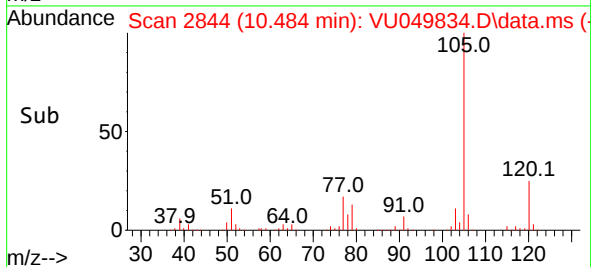
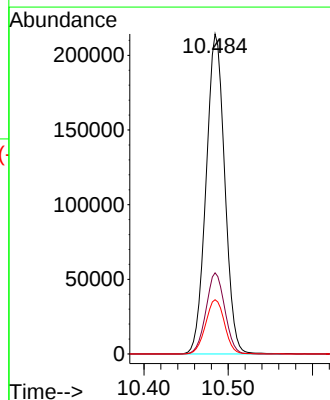
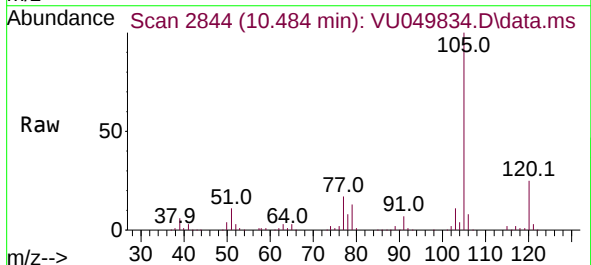
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

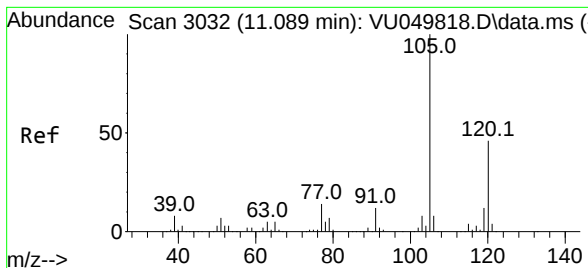
Tgt Ion: 75 Resp: 134242
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
110 36.7 28.9 43.3



#61
Isopropylbenzene
Concen: 53.487 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion: 105 Resp: 329904
Ion Ratio Lower Upper
105 100
120 25.6 19.9 29.9
77 17.3 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 53.917 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

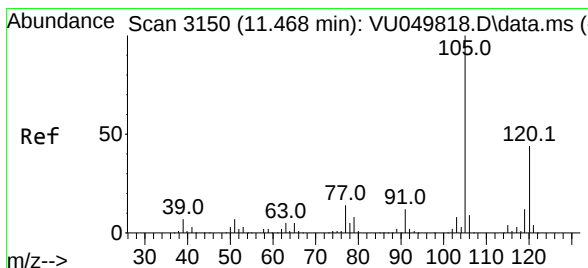
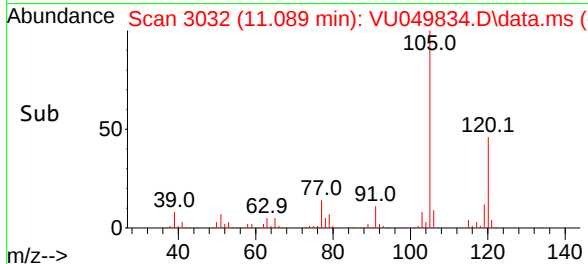
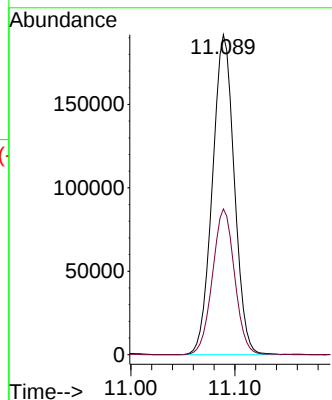
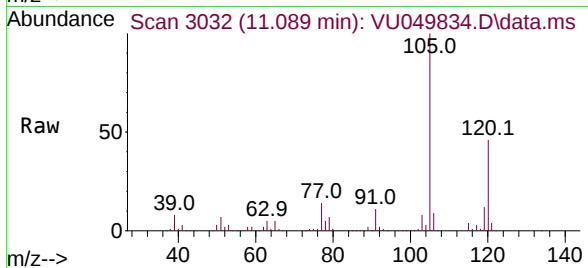
DBUN5MSD

Tgt Ion:105 Resp: 280513

Ion Ratio Lower Upper

105 100

120 46.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 53.899 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049834.D

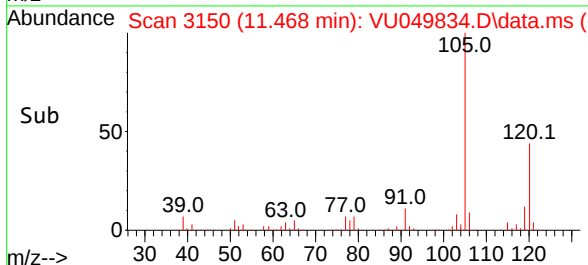
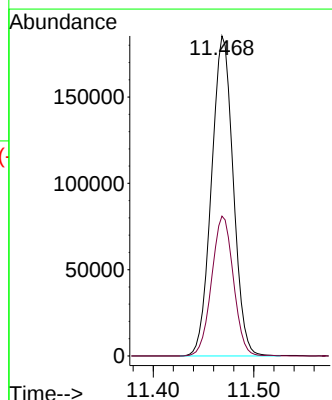
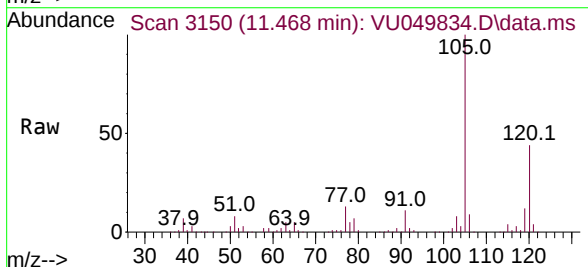
Acq: 21 Jul 2022 16:59

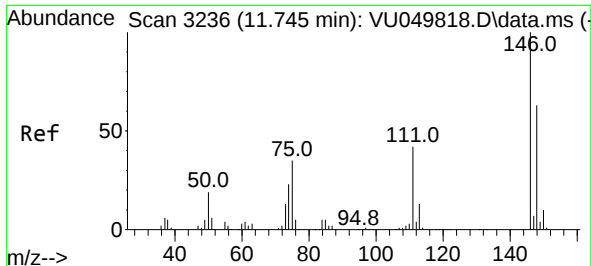
Tgt Ion:105 Resp: 278581

Ion Ratio Lower Upper

105 100

120 43.6 33.9 50.9

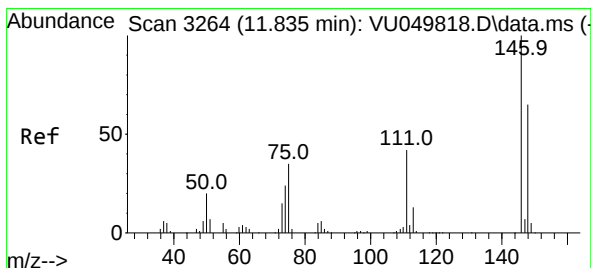
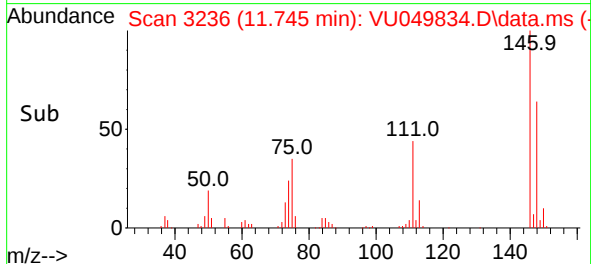
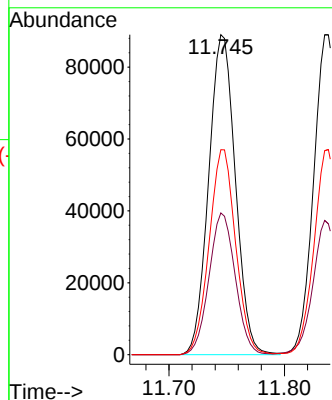
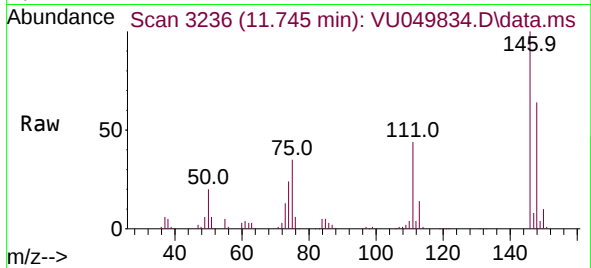




#64
1,3-Dichlorobenzene
Concen: 53.107 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

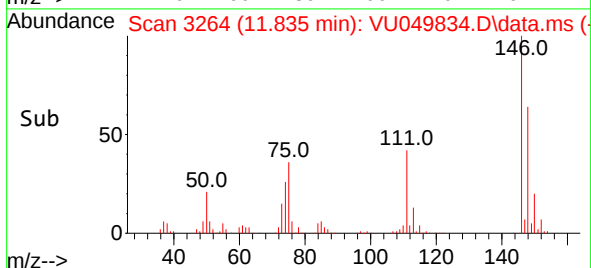
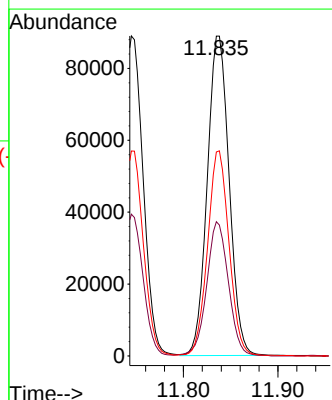
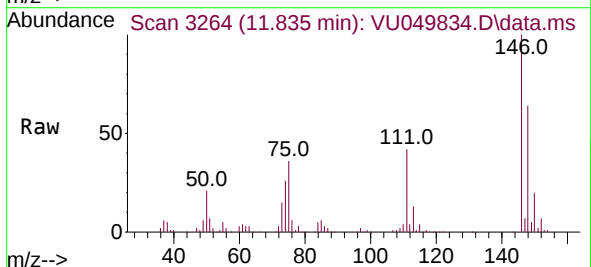
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

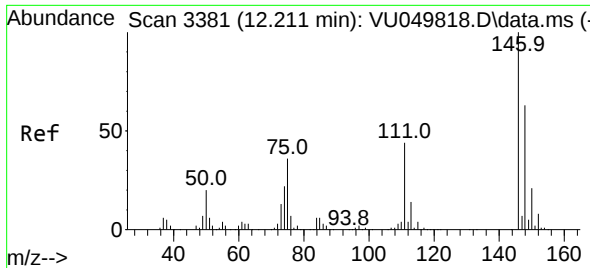
Tgt Ion:146 Resp: 142991
Ion Ratio Lower Upper
146 100
111 44.3 30.0 55.6
148 64.1 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 52.863 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion:146 Resp: 142976
Ion Ratio Lower Upper
146 100
111 42.0 29.1 54.1
148 63.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 54.462 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

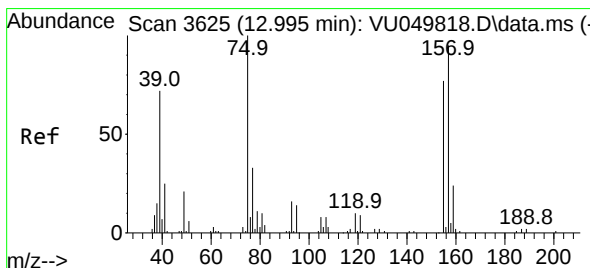
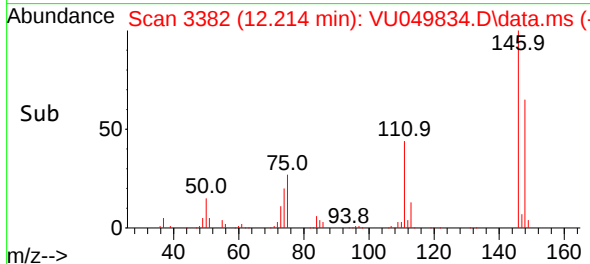
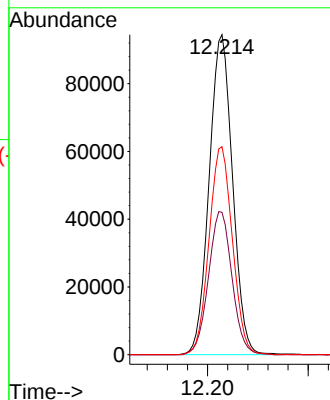
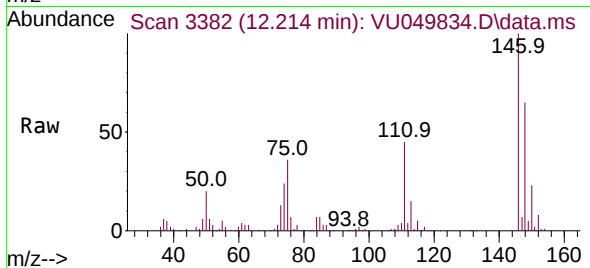
Tgt Ion:146 Resp: 152480

Ion Ratio Lower Upper

146 100

111 44.5 35.8 53.8

148 65.0 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 61.715 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

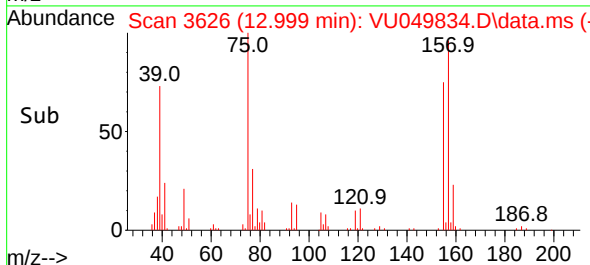
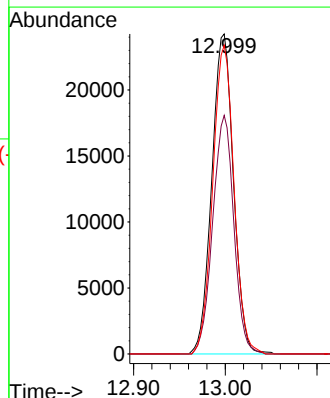
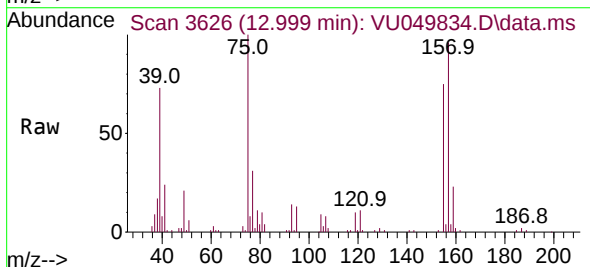
Tgt Ion: 75 Resp: 39787

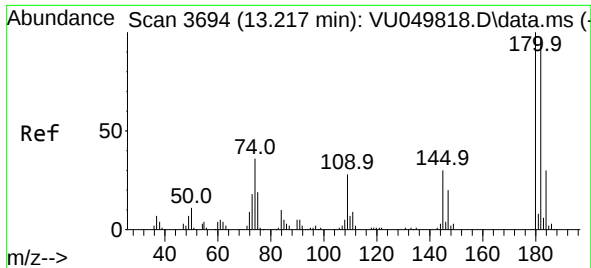
Ion Ratio Lower Upper

75 100

155 74.6 57.7 86.5

157 96.5 75.6 113.4

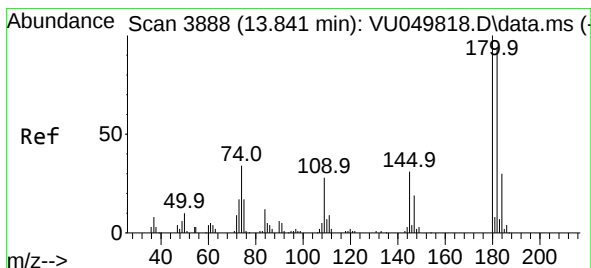
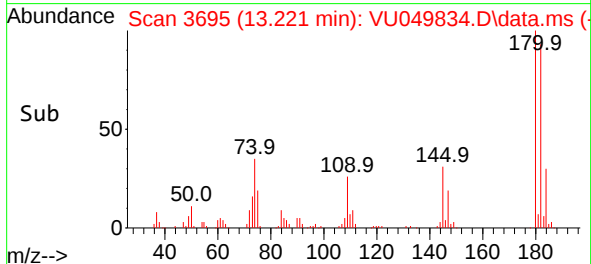
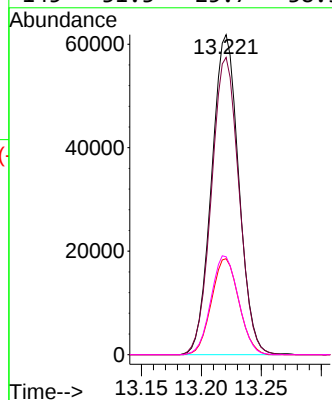
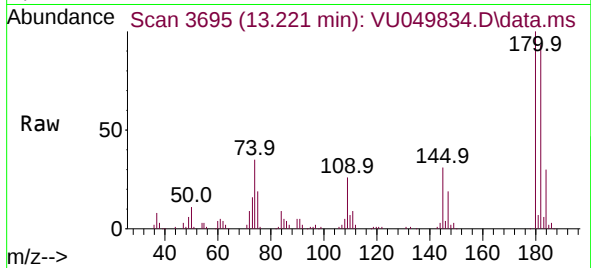




#69
1,3,5-Trichlorobenzene
Concen: 51.545 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.003 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

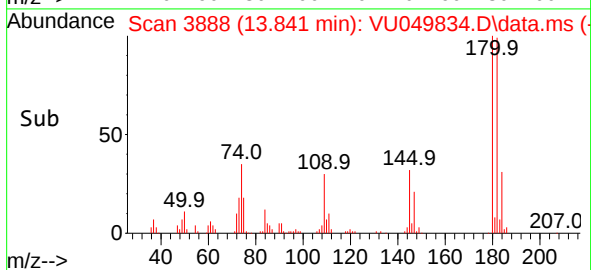
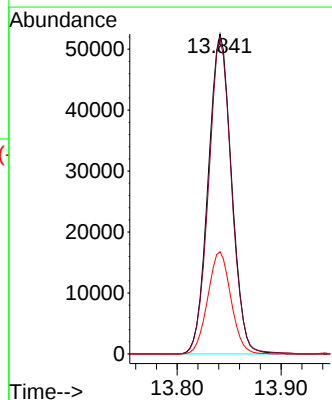
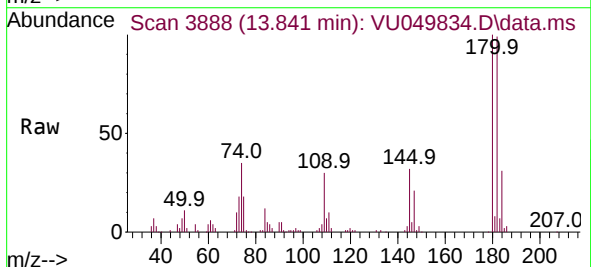
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MSD

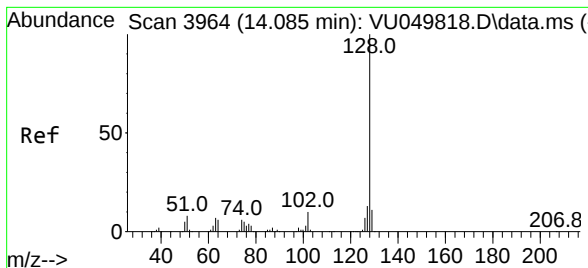
Tgt Ion:180 Resp: 97249
Ion Ratio Lower Upper
180 100
182 94.3 76.0 114.0
184 30.3 24.0 36.0
145 31.3 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 47.357 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU049834.D
Acq: 21 Jul 2022 16:59

Tgt Ion:180 Resp: 81994
Ion Ratio Lower Upper
180 100
182 97.1 74.8 112.2
145 31.6 24.7 37.1





#71

Naphthalene

Concen: 54.686 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MSD

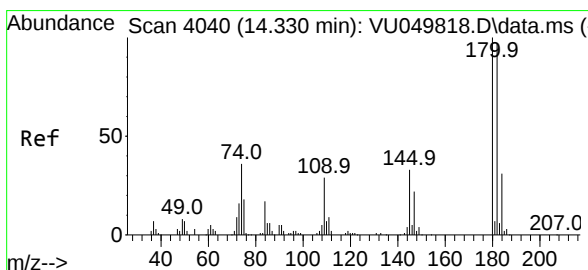
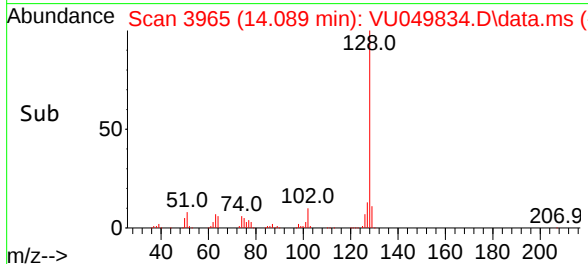
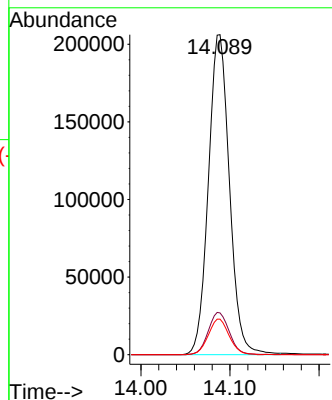
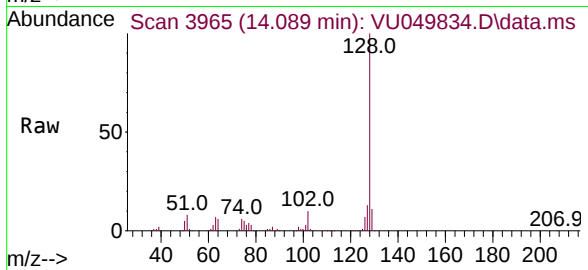
Tgt Ion:128 Resp: 338474

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 52.576 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049834.D

Acq: 21 Jul 2022 16:59

Tgt Ion:180 Resp: 94294

Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

145 33.7 27.1 40.7

