

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072122\
 Data File : VU049833.D
 Acq On : 21 Jul 2022 16:35
 Operator : SY/MD
 Sample : N3792-12MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN5MS

Quant Time: Jul 22 04:14:13 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	178691	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	171186	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84191	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	60717	40.271	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.896	69	47001	43.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.260%
11) 1,1-Dichloroethene-d2	2.562	63	114020	42.814	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
21) 2-Butanone-d5	4.620	46	157370	122.270	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.270%
24) Chloroform-d	5.064	84	139092	52.087	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.180%
26) 1,2-Dichloroethane-d4	5.700	65	94534	52.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.620%
32) Benzene-d6	5.726	84	242118	46.556	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
36) 1,2-Dichloropropane-d6	6.690	67	87319	49.918	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	7.896	98	205672	45.413	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%
43) trans-1,3-Dichloroprop...	8.179	79	37856	51.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.720%
47) 2-Hexanone-d5	8.632	63	88211	112.105	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.110%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	133674	54.615	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.220%
66) 1,2-Dichlorobenzene-d4	12.195	152	76797	48.380	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	95824	44.736	ug/L	99
3) Chloromethane	1.523	50	120167	51.117	ug/L	99
5) Vinyl chloride	1.601	62	98439	46.340	ug/L	100
6) Bromomethane	1.835	94	49994	50.937	ug/L	100
8) Chloroethane	1.919	64	53839	45.752	ug/L	98
9) Trichlorofluoromethane	2.128	101	125984	48.023	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	64307	46.715	ug/L	99
12) 1,1-Dichloroethene	2.572	96	60440	47.308	ug/L	96
13) Acetone	2.626	43	117731	96.251	ug/L	99
14) Carbon disulfide	2.787	76	171247	39.749	ug/L	100
15) Methyl Acetate	2.948	43	122570	61.680	ug/L	100
16) Methylene chloride	3.041	84	87586	54.440	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	68528	49.033	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	271252	56.663	ug/L	99
19) 1,1-Dichloroethane	3.867	63	158356	54.424	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	85447	54.399	ug/L	97
22) 2-Butanone	4.700	43	188446	115.072	ug/L	100
23) Bromochloromethane	4.973	128	44804	57.167	ug/L	95
25) Chloroform	5.089	83	163233	55.946	ug/L	98

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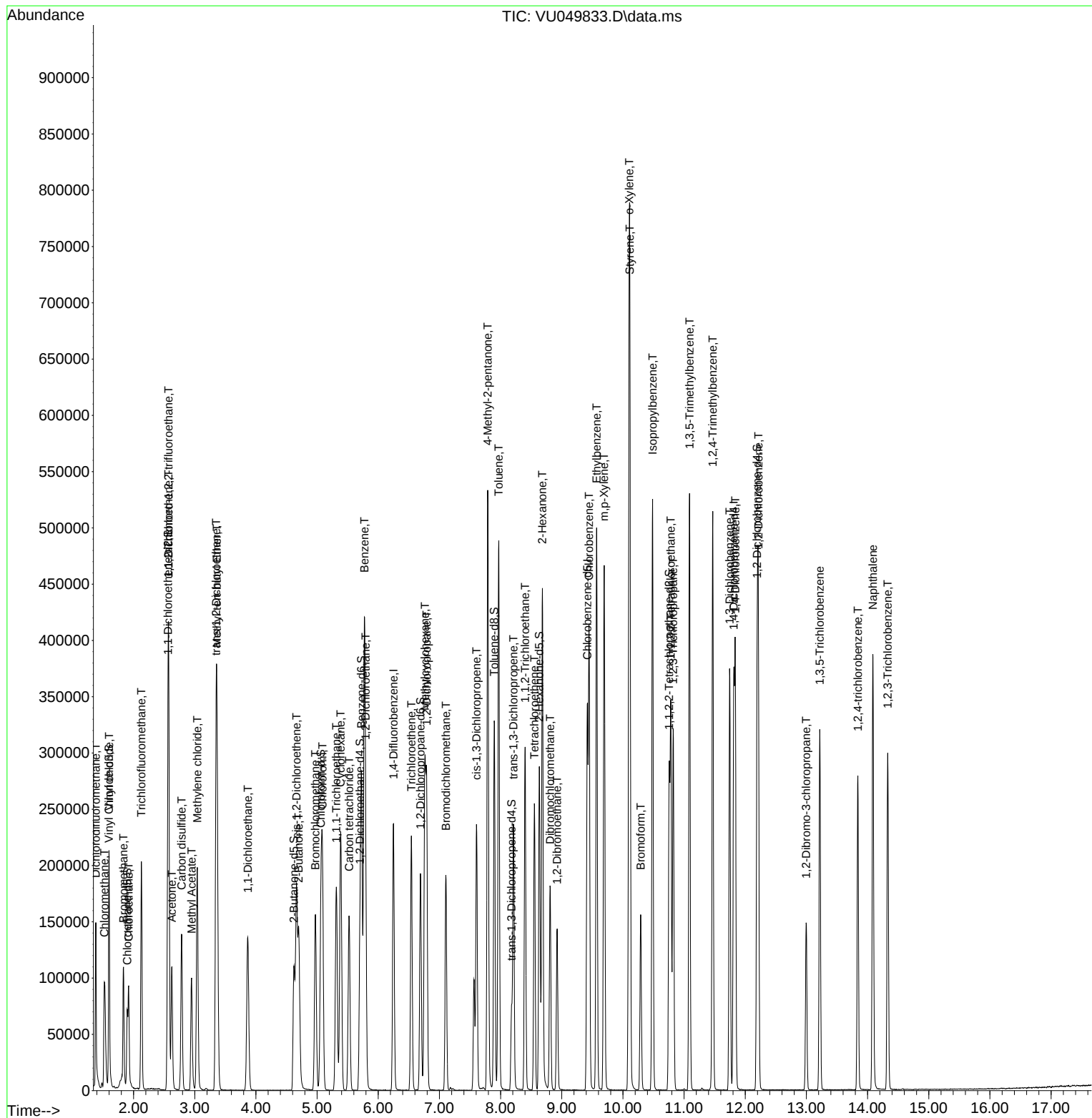
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	137289	55.260	ug/L	98
29) Cyclohexane	5.385	56	112123	41.962	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	130790	52.774	ug/L	99
31) Carbon tetrachloride	5.523	117	102571	50.603	ug/L	98
33) Benzene	5.774	78	336533	52.300	ug/L	100
34) Trichloroethene	6.543	95	75517	48.552	ug/L	98
35) Methylcyclohexane	6.764	83	102974	42.130	ug/L	98
37) 1,2-Dichloropropane	6.790	63	97361	54.589	ug/L	100
38) Bromodichloromethane	7.105	83	120461	54.476	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	129849	53.983	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	347805	120.460	ug/L	99
42) Toluene	7.970	91	333850	52.204	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	126682	56.091	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	88433	56.806	ug/L	98
46) Tetrachloroethene	8.552	164	53412	49.512	ug/L	96
48) 2-Hexanone	8.684	43	283219	122.749	ug/L	99
49) Dibromochloromethane	8.813	129	88421	56.472	ug/L	95
50) 1,2-Dibromoethane	8.925	107	89625	57.957	ug/L	99
51) Chlorobenzene	9.446	112	198663	51.297	ug/L	99
52) Ethylbenzene	9.571	91	339341	50.284	ug/L	98
53) m,p-Xylene	9.694	106	126534	51.564	ug/L	96
54) o-Xylene	10.102	106	129152	52.270	ug/L	98
55) Styrene	10.115	104	220327	54.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	160299	57.524	ug/L	99
59) Bromoform	10.292	173	65382	57.901	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	131230	58.519	ug/L	99
61) Isopropylbenzene	10.485	105	315117	50.126	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	270342	50.982	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	268567	50.981	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	141273	51.479	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	136216	49.414	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	149463	52.377	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.996	75	37838	57.584	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	92998	48.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	76948	43.605	ug/L	97
71) Naphthalene	14.086	128	299135	47.418	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	86506	47.324	ug/L	98

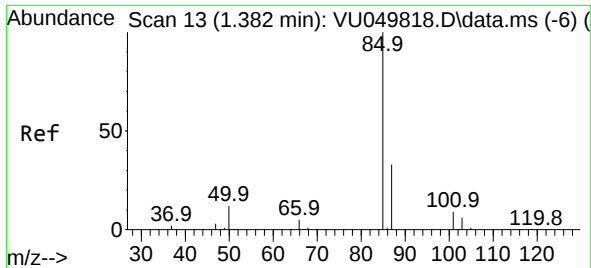
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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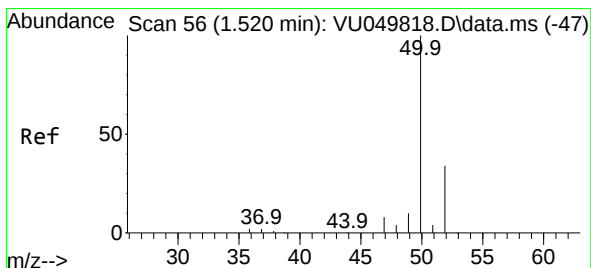
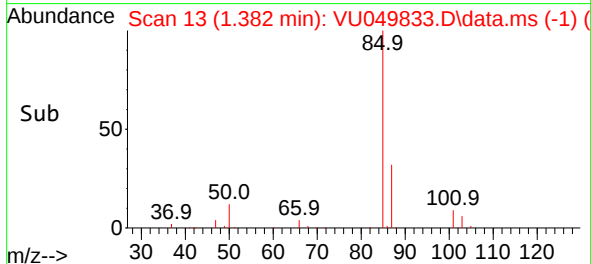
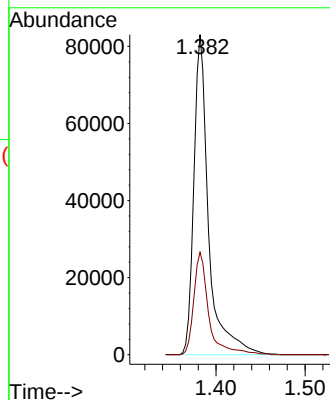
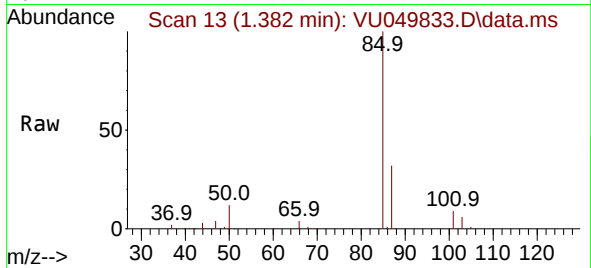




#2
Dichlorodifluoromethane
Concen: 44.736 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

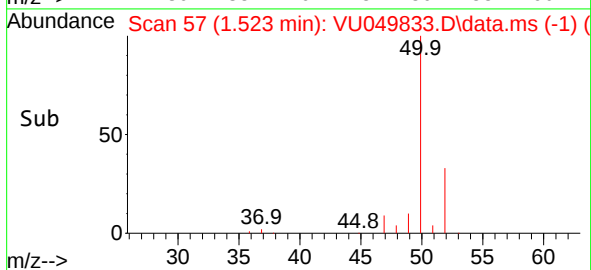
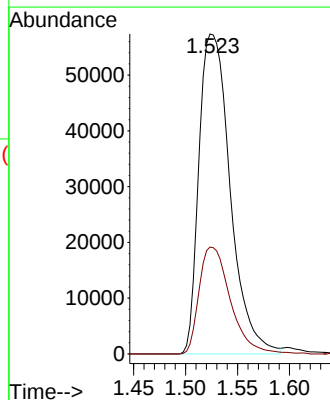
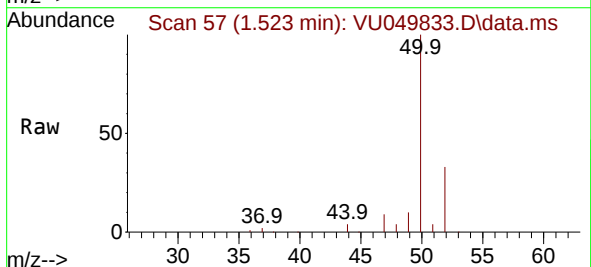
Instrument :
MSVOA_U
ClientSampleId :
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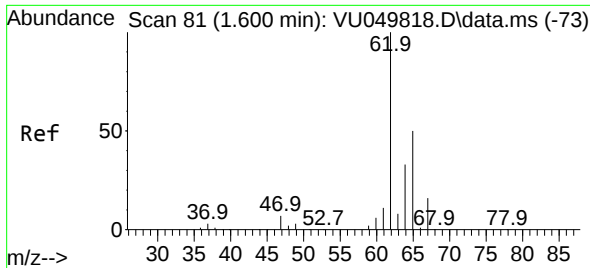
Tgt Ion: 85 Resp: 95824
Ion Ratio Lower Upper
85 100
87 32.5 26.3 39.5



#3
Chloromethane
Concen: 51.117 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 50 Resp: 120167
Ion Ratio Lower Upper
50 100
52 33.4 23.2 43.0

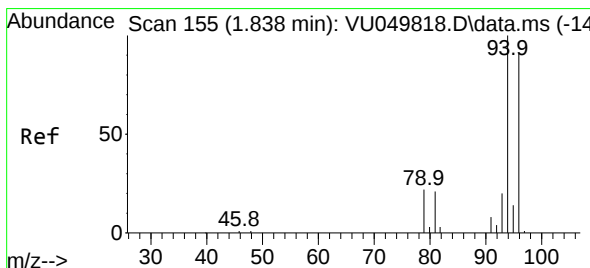
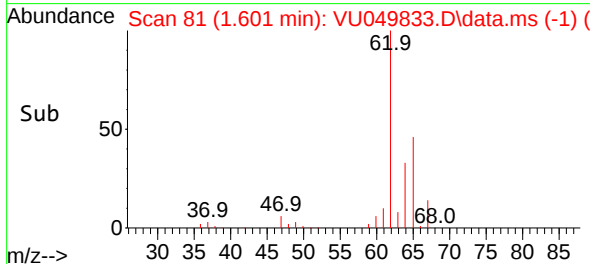
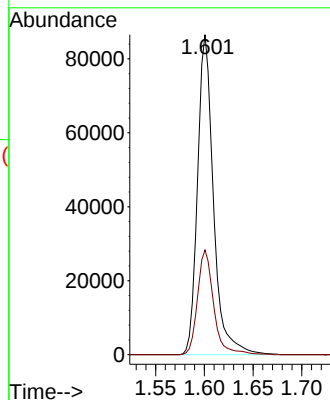
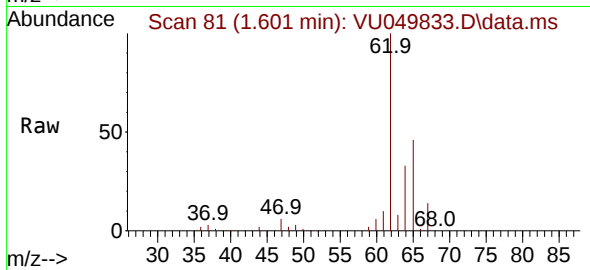




#5
 Vinyl chloride
 Concen: 46.340 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

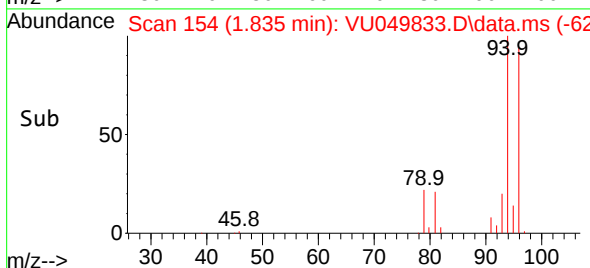
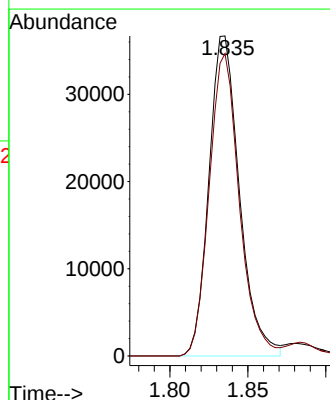
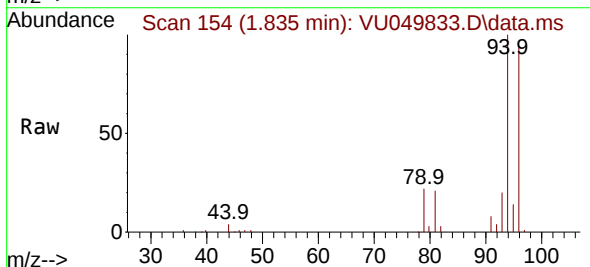
Instrument :
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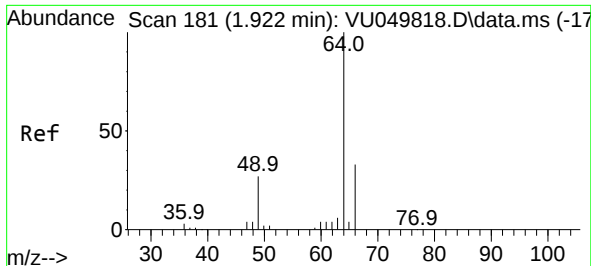
Tgt Ion: 62 Resp: 98439
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.0 42.6



#6
 Bromomethane
 Concen: 50.937 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.003 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

Tgt Ion: 94 Resp: 49994
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.1 122.7

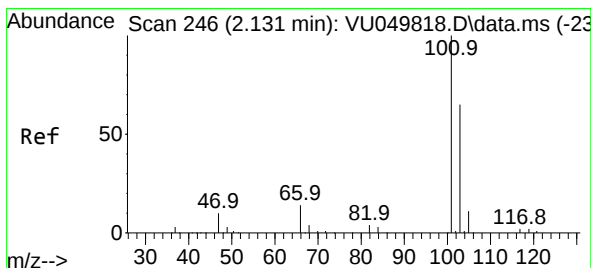
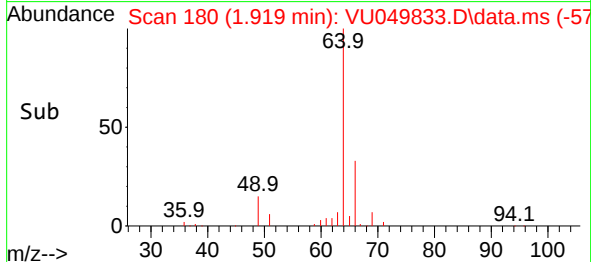
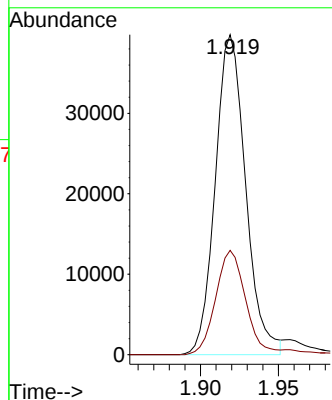
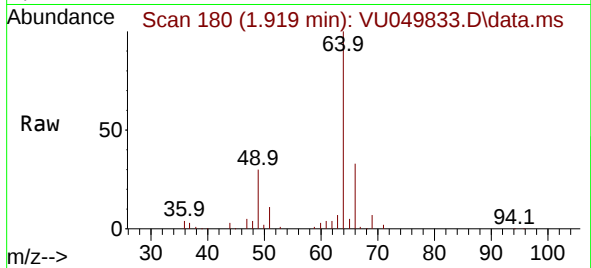




#8
Chloroethane
Concen: 45.752 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

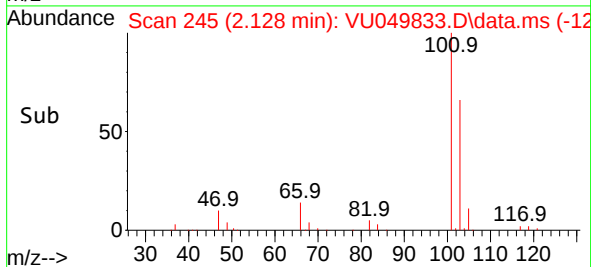
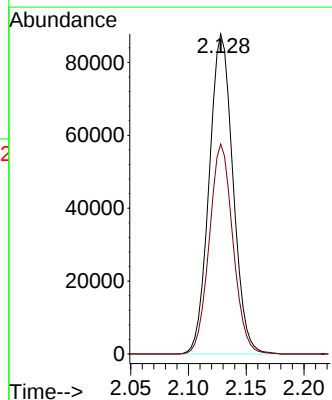
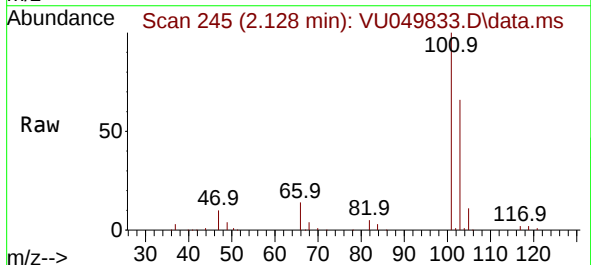
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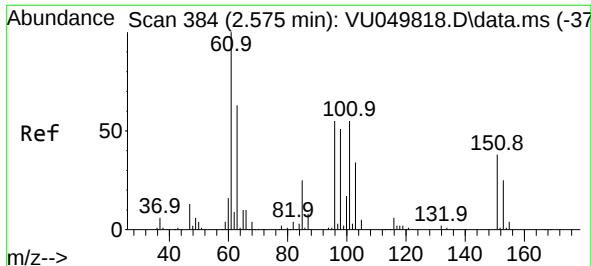
Tgt Ion: 64 Resp: 53839
Ion Ratio Lower Upper
64 100
66 32.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.023 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 101 Resp: 125984
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

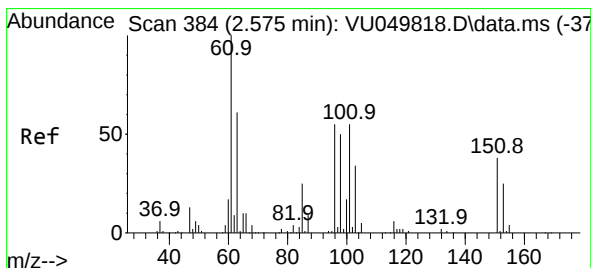
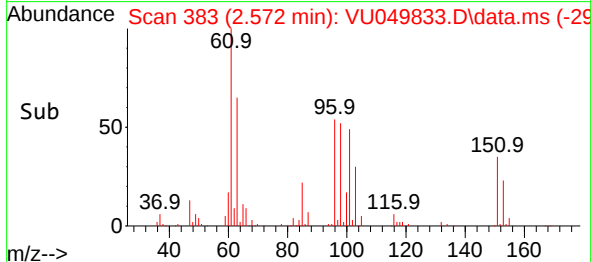
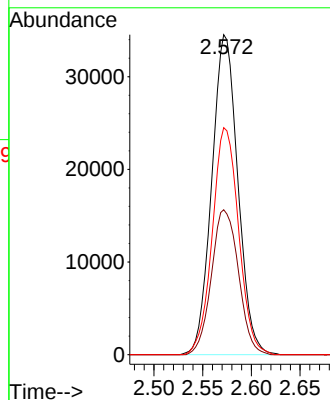
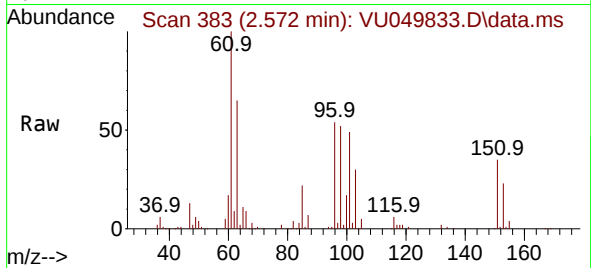




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.715 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

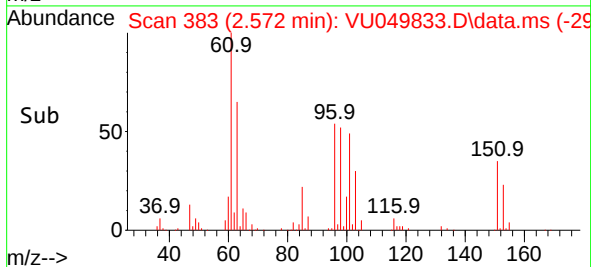
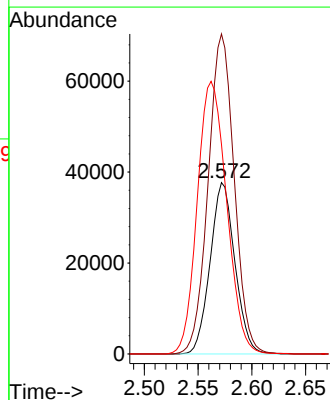
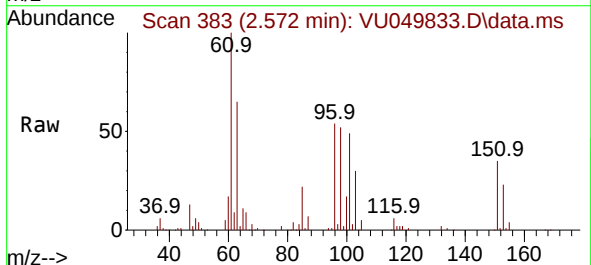
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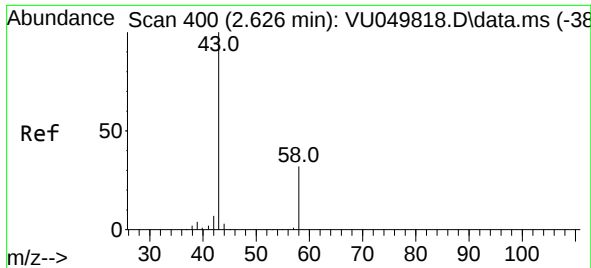
Tgt Ion:101 Resp: 64307
Ion Ratio Lower Upper
101 100
85 47.0 37.3 55.9
151 71.7 56.9 85.3



#12
1,1-Dichloroethene
Concen: 47.308 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 96 Resp: 60440
Ion Ratio Lower Upper
96 100
61 186.8 129.6 240.6
63 122.3 79.0 146.6





#13

Acetone

Concen: 96.251 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

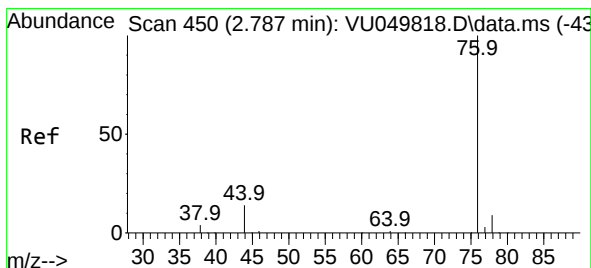
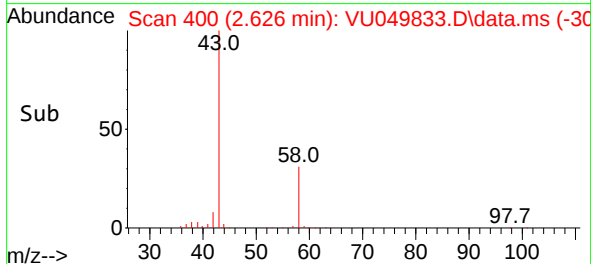
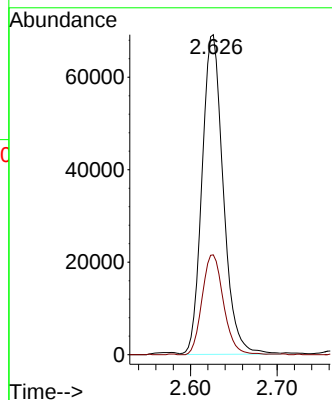
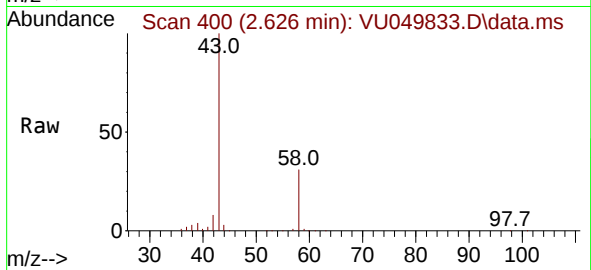
DBUN5MS

Tgt Ion: 43 Resp: 117731

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.4



#14

Carbon disulfide

Concen: 39.749 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU049833.D

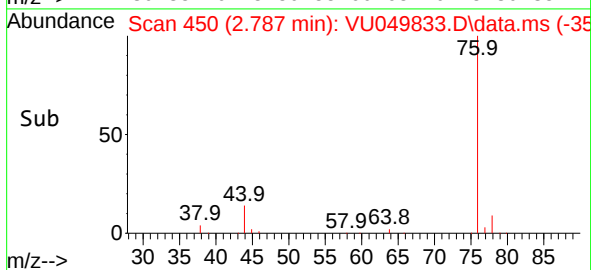
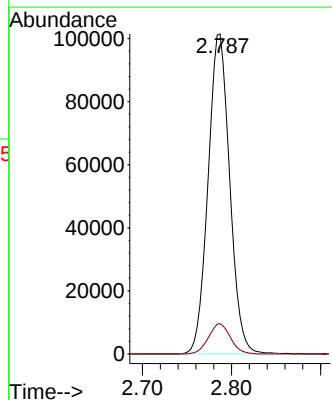
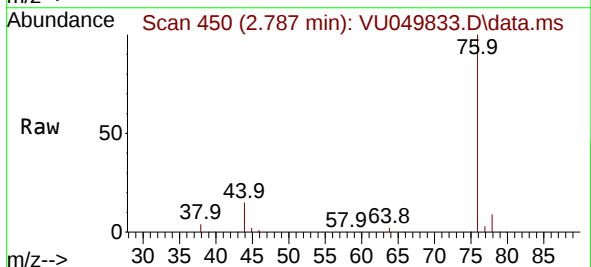
Acq: 21 Jul 2022 16:35

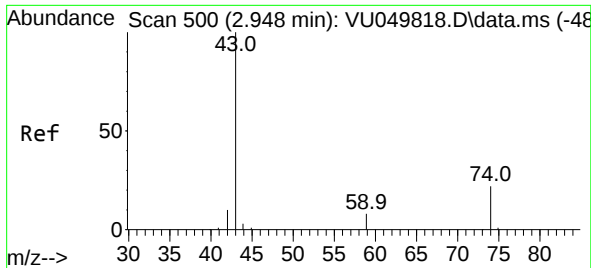
Tgt Ion: 76 Resp: 171247

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

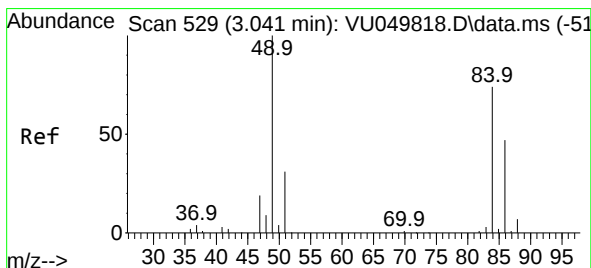
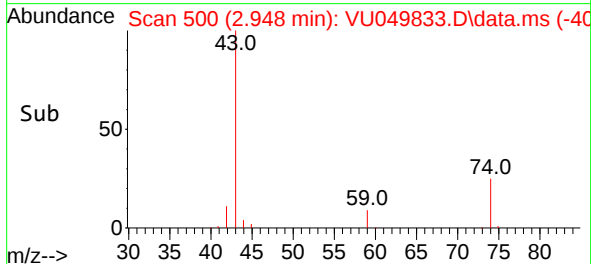
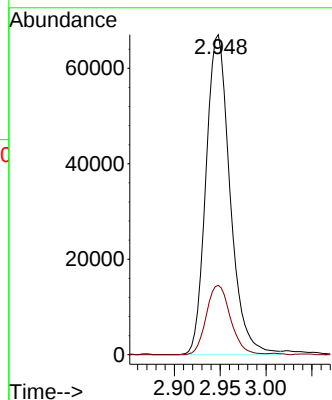
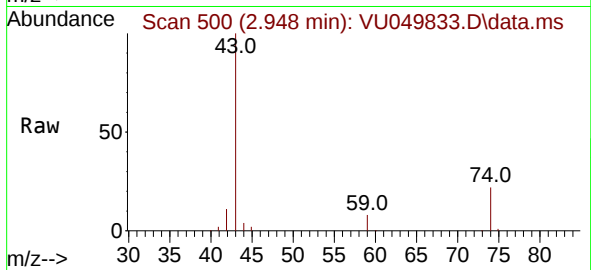




#15
Methyl Acetate
Concen: 61.680 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

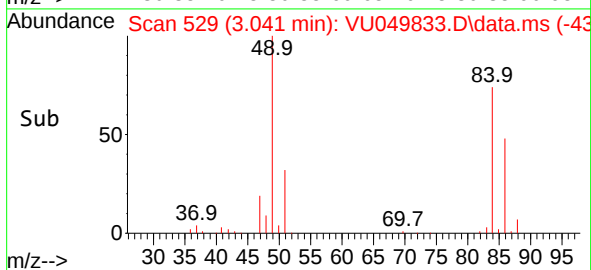
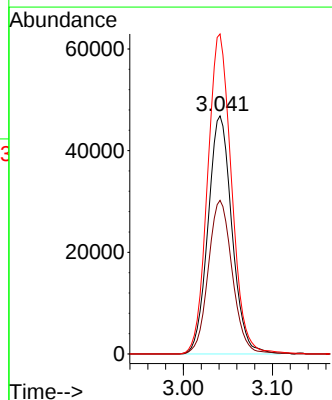
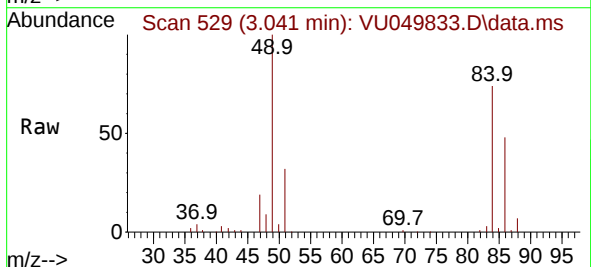
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

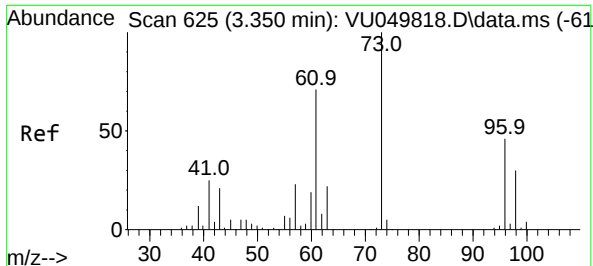
Tgt Ion: 43 Resp: 122570
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0



#16
Methylene chloride
Concen: 54.440 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 84 Resp: 87586
Ion Ratio Lower Upper
84 100
86 64.6 45.6 84.6
49 134.4 94.4 175.4



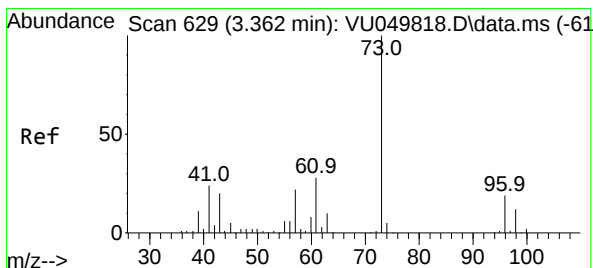
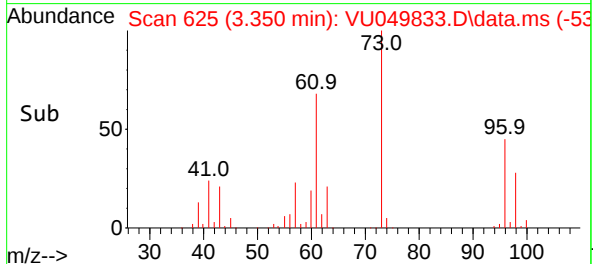
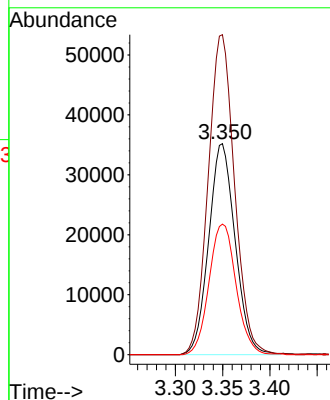
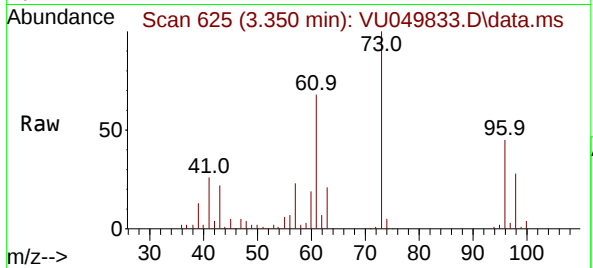


#17
 trans-1,2-Dichloroethene
 Concen: 49.033 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN5MS

Tgt Ion: 96 Resp: 68528

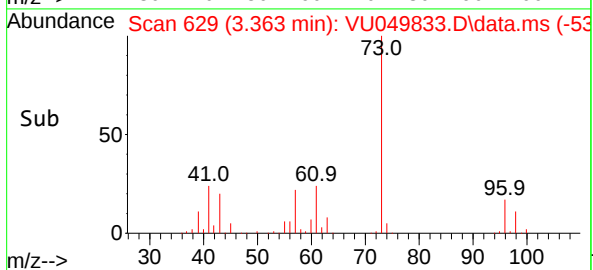
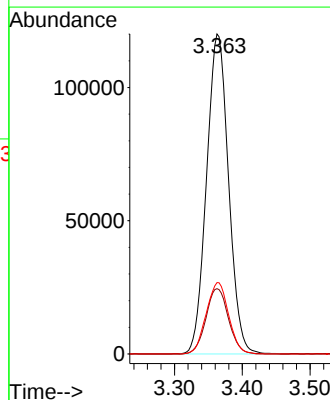
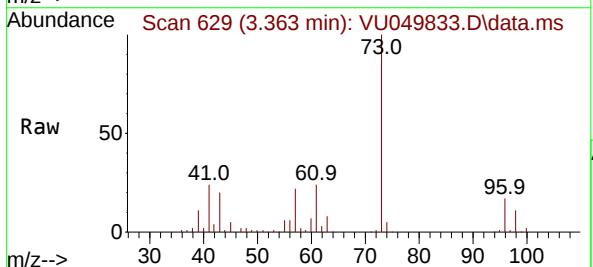
Ion	Ratio	Lower	Upper
96	100		
61	151.6	107.6	199.8
98	61.9	44.6	82.8

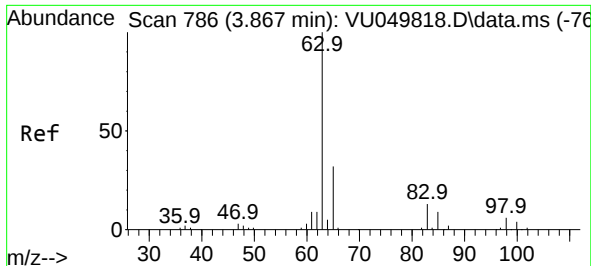


#18
 Methyl tert-butyl Ether
 Concen: 56.663 ug/L
 RT: 3.363 min Scan# 629
 Delta R.T. 0.000 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

Tgt Ion: 73 Resp: 271252

Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.0	25.4
57	22.7	18.5	27.7





#19

1,1-Dichloroethane

Concen: 54.424 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

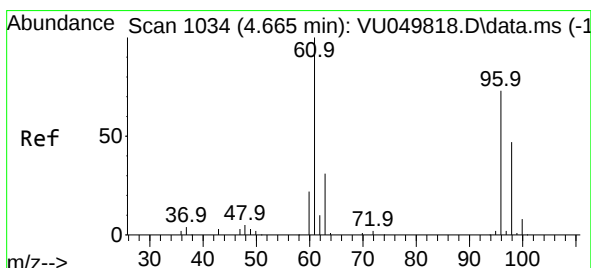
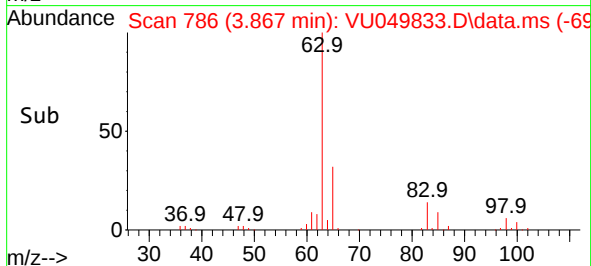
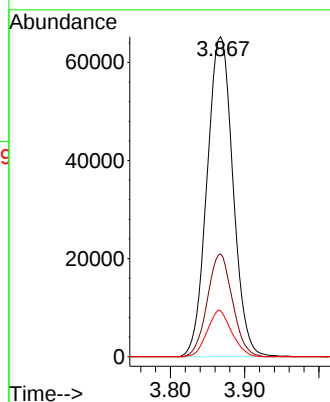
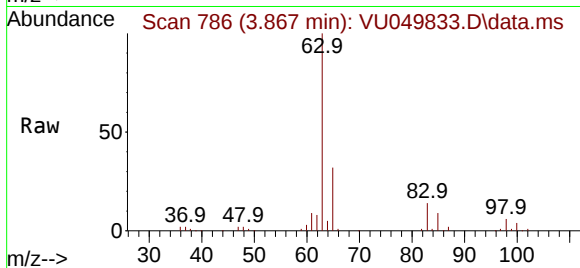
Tgt Ion: 63 Resp: 158356

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

83 14.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 54.399 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

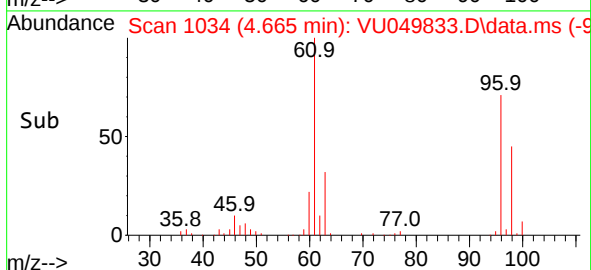
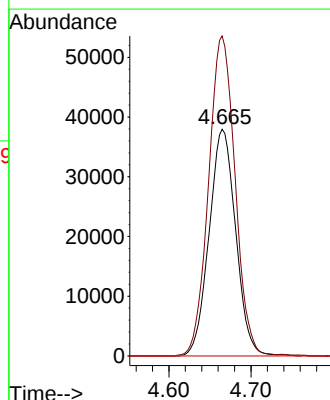
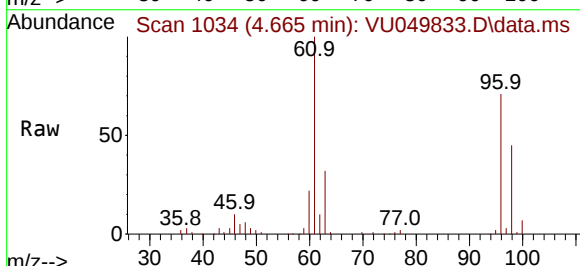
Tgt Ion: 96 Resp: 85447

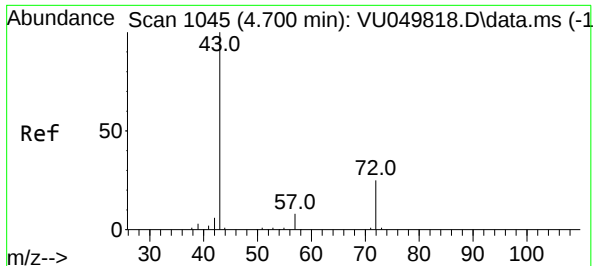
Ion Ratio Lower Upper

96 100

61 141.1 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.072 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

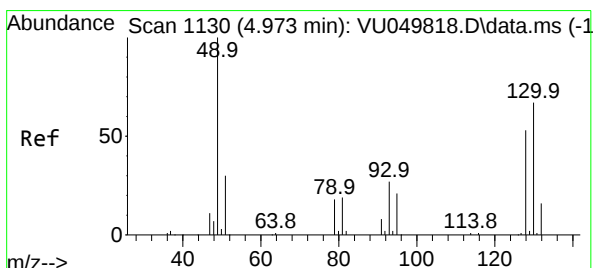
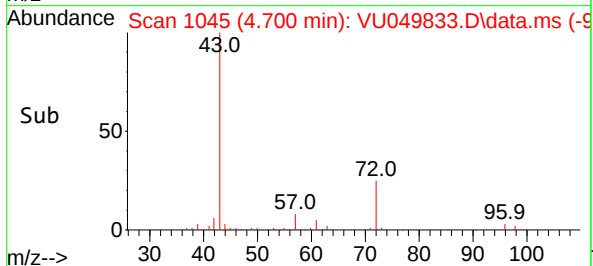
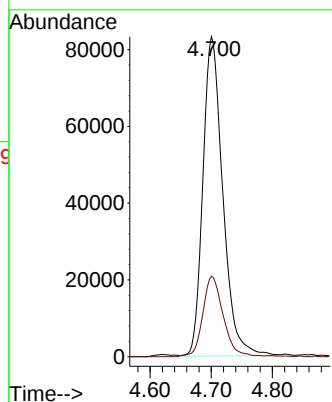
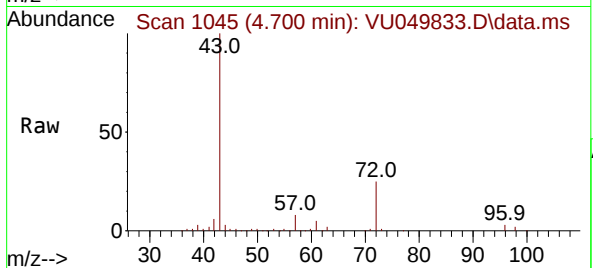
DBUN5MS

Tgt Ion: 43 Resp: 188446

Ion Ratio Lower Upper

43 100

72 25.5 12.7 38.0



#23

Bromochloromethane

Concen: 57.167 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Tgt Ion: 128 Resp: 44804

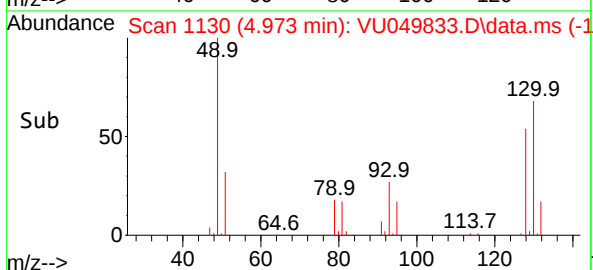
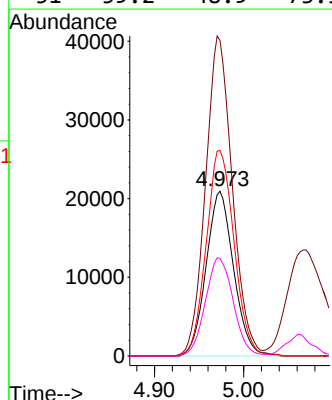
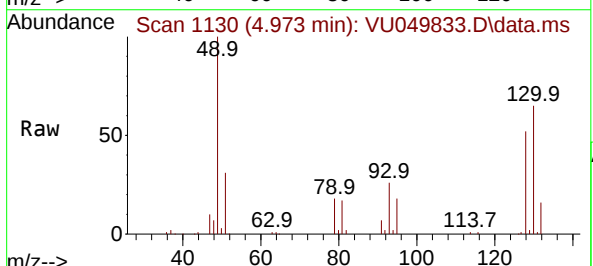
Ion Ratio Lower Upper

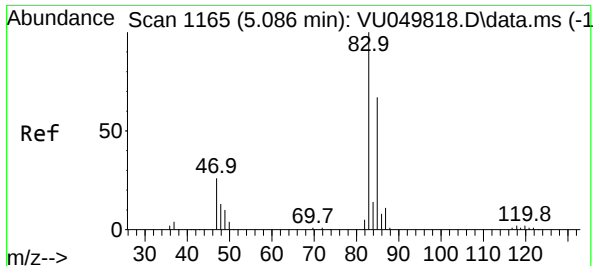
128 100

49 191.5 140.9 261.7

130 124.8 90.0 167.2

51 59.2 48.9 73.3





#25

Chloroform

Concen: 55.946 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

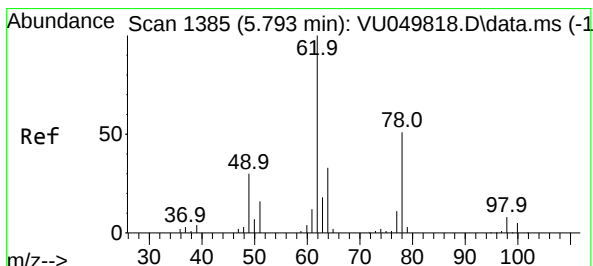
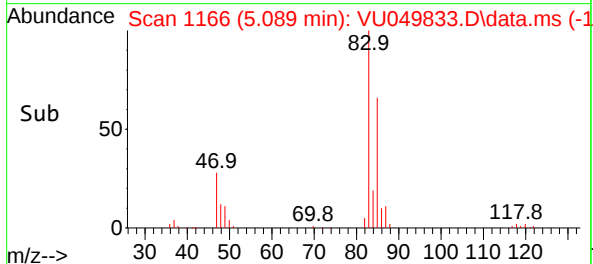
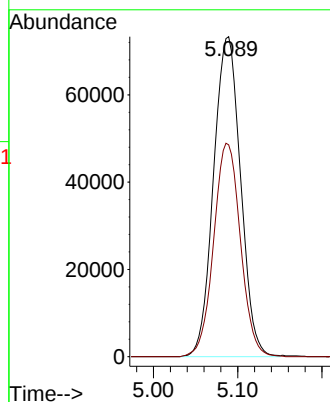
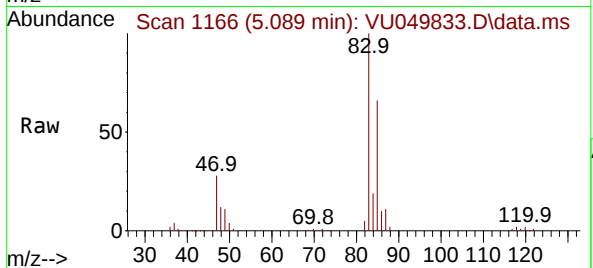
DBUN5MS

Tgt Ion: 83 Resp: 163233

Ion Ratio Lower Upper

83 100

85 66.2 45.2 84.0



#27

1,2-Dichloroethane

Concen: 55.260 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049833.D

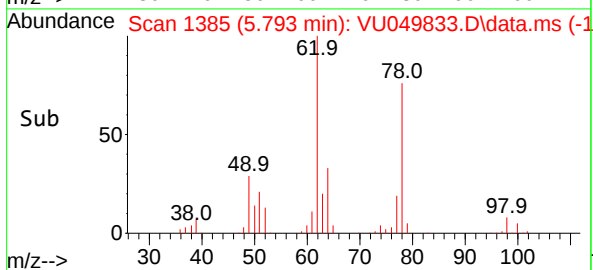
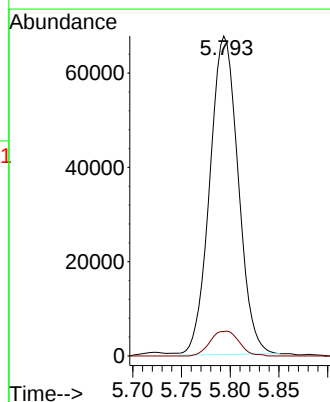
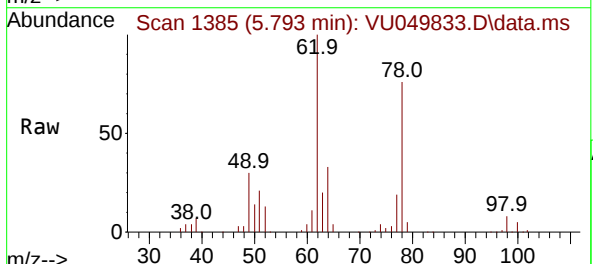
Acq: 21 Jul 2022 16:35

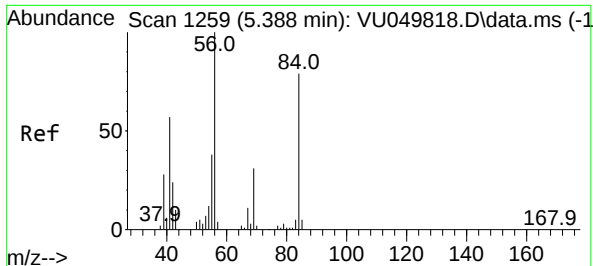
Tgt Ion: 62 Resp: 137289

Ion Ratio Lower Upper

62 100

98 7.7 6.7 10.1





#29

Cyclohexane

Concen: 41.962 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

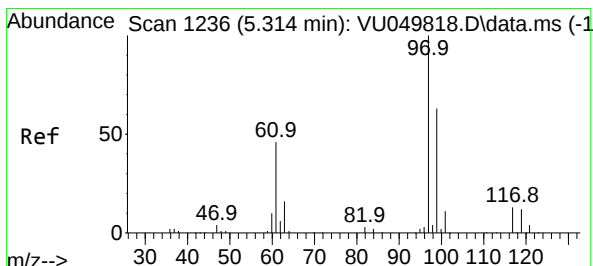
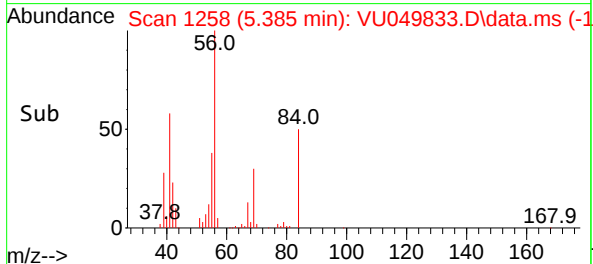
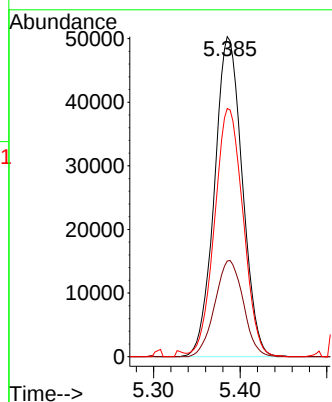
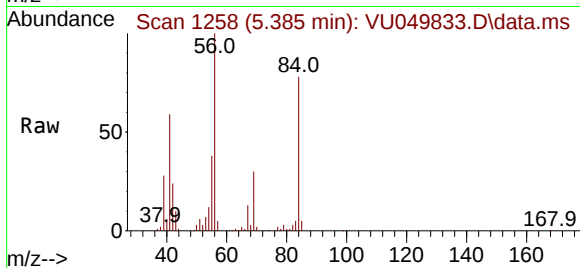
Tgt Ion: 56 Resp: 112123

Ion Ratio Lower Upper

56 100

69 30.6 23.4 35.2

84 79.7 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 52.774 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

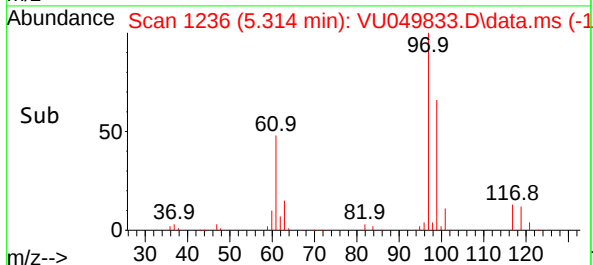
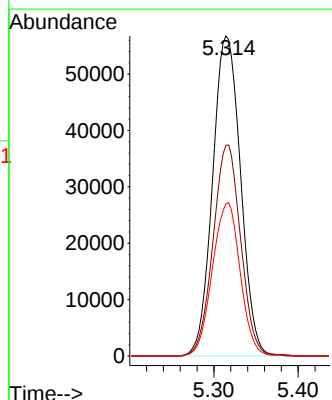
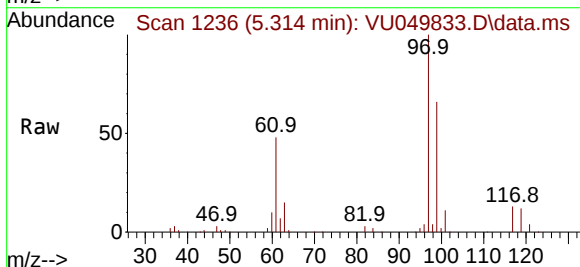
Tgt Ion: 97 Resp: 130790

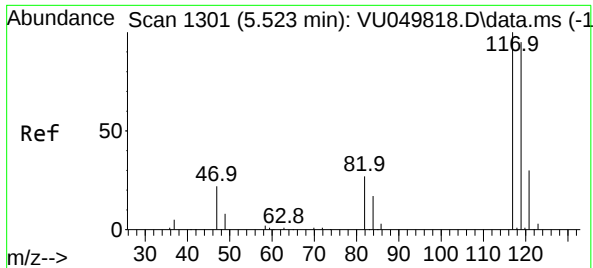
Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

61 47.5 38.2 57.2

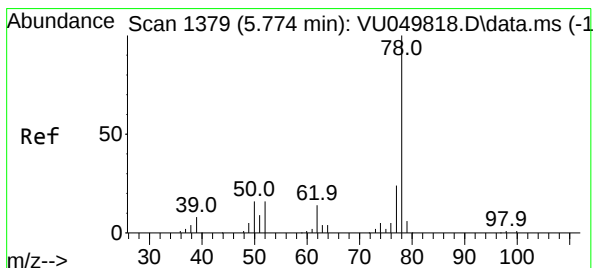
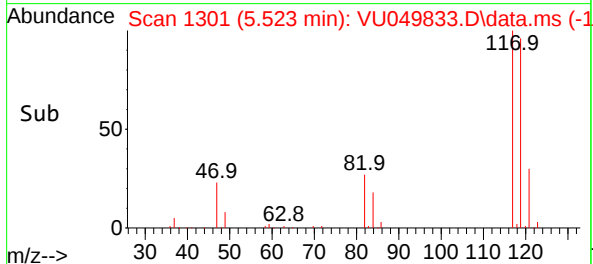
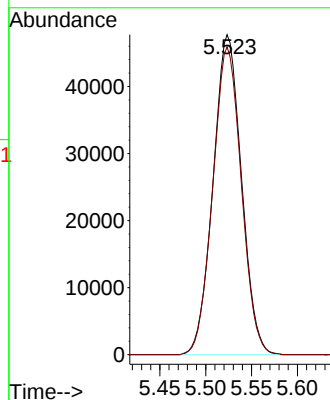
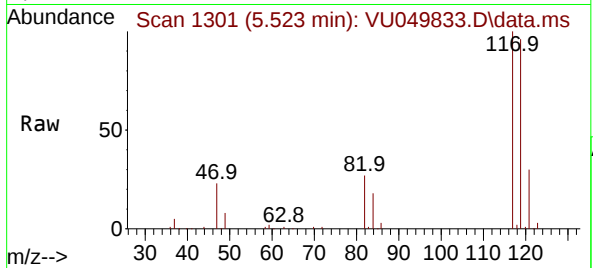




#31
Carbon tetrachloride
Concen: 50.603 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

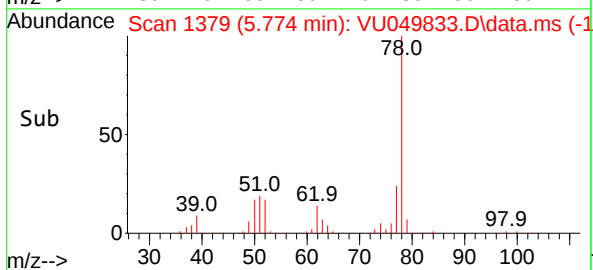
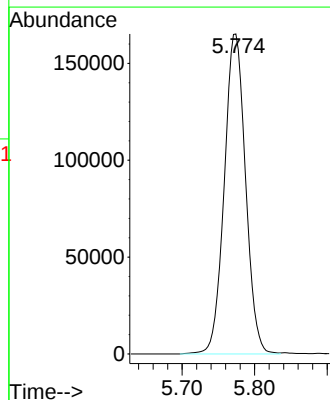
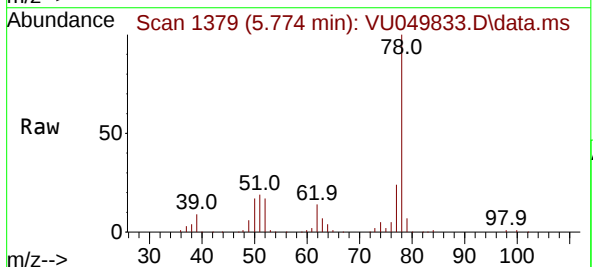
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

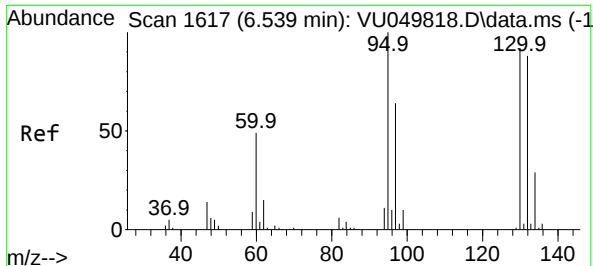
Tgt Ion:117 Resp: 102571
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8



#33
Benzene
Concen: 52.300 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 78 Resp: 336533





#34

Trichloroethene

Concen: 48.552 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

Tgt Ion: 95 Resp: 75517

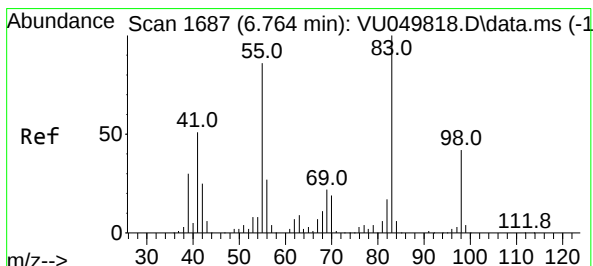
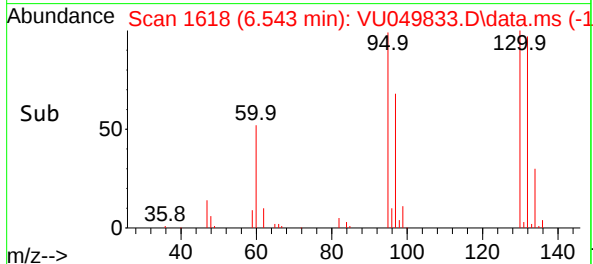
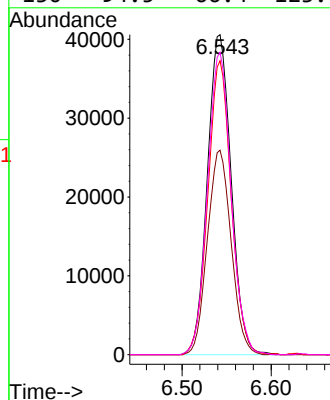
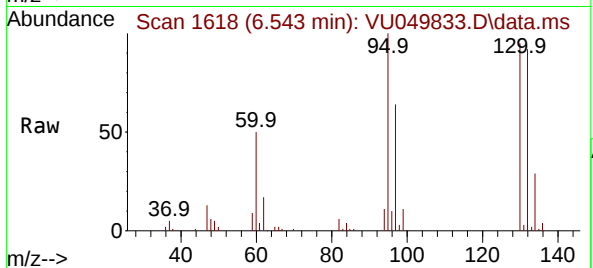
Ion Ratio Lower Upper

95 100

97 63.9 46.9 87.1

132 91.9 62.7 116.5

130 94.5 66.4 123.4



#35

Methylcyclohexane

Concen: 42.130 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

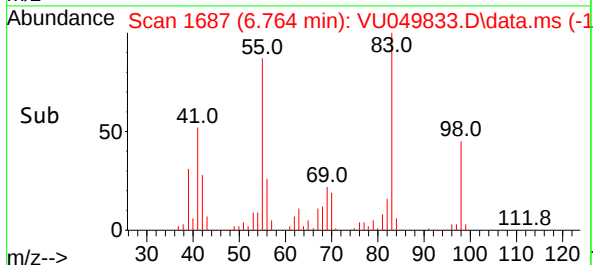
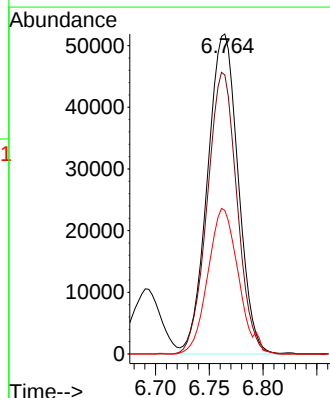
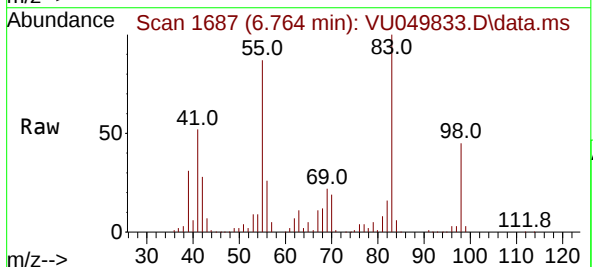
Tgt Ion: 83 Resp: 102974

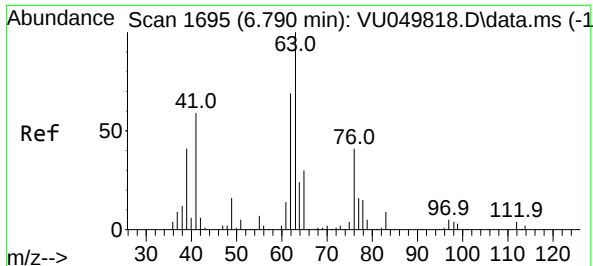
Ion Ratio Lower Upper

83 100

55 85.3 66.0 99.0

98 43.7 34.6 51.8





#37

1,2-Dichloropropane

Concen: 54.589 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

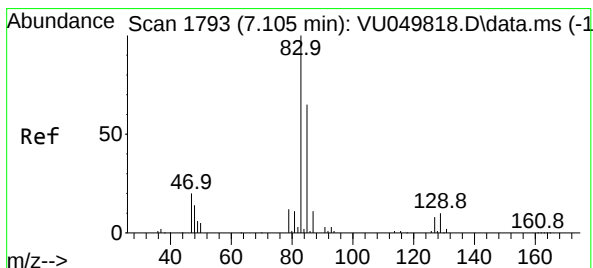
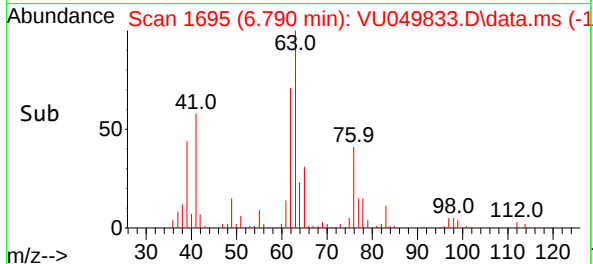
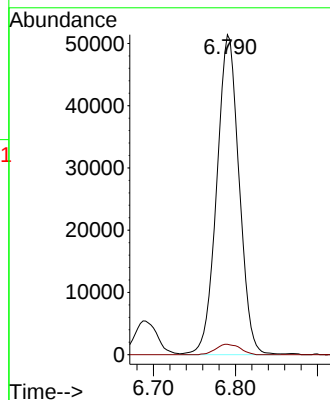
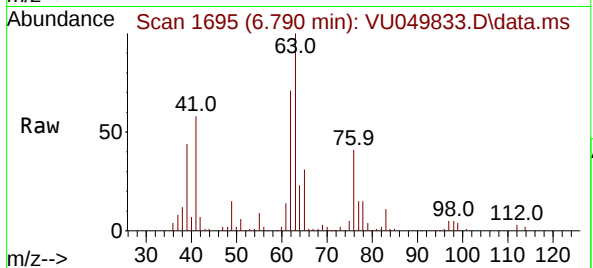
DBUN5MS

Tgt Ion: 63 Resp: 97361

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#38

Bromodichloromethane

Concen: 54.476 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

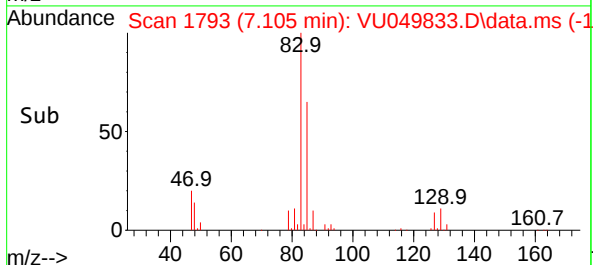
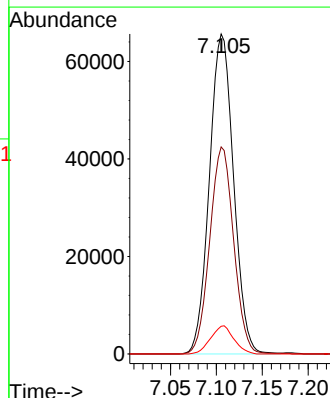
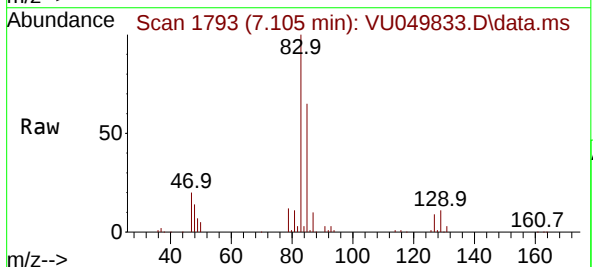
Tgt Ion: 83 Resp: 120461

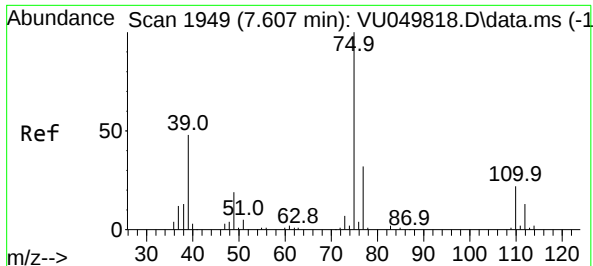
Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2

127 8.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 53.983 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

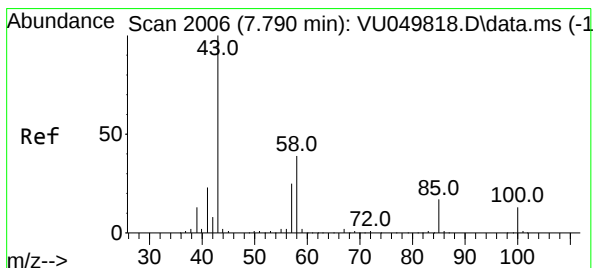
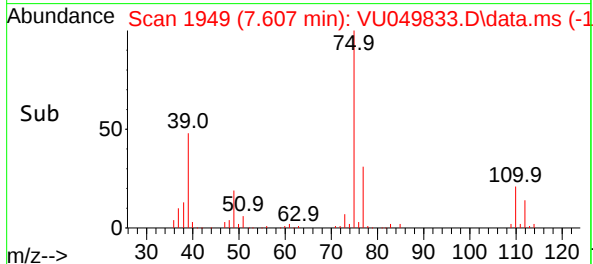
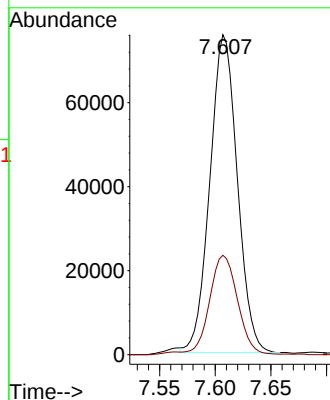
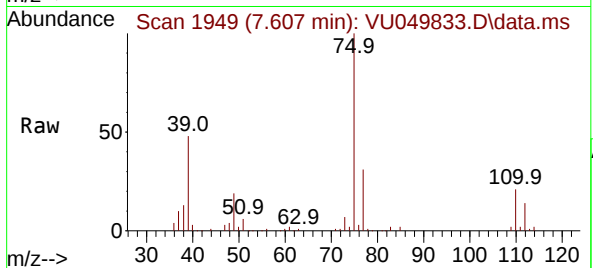
DBUN5MS

Tgt Ion: 75 Resp: 129849

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 120.460 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

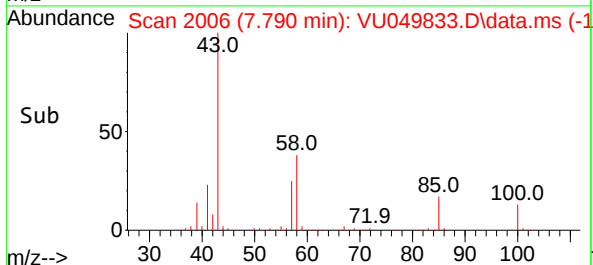
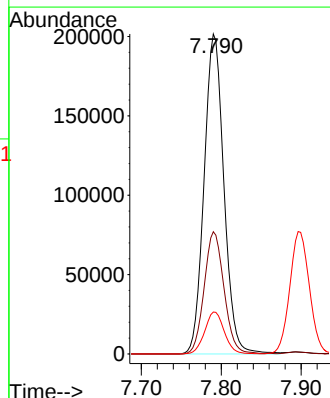
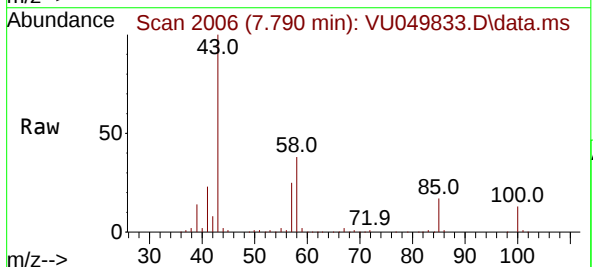
Tgt Ion: 43 Resp: 347805

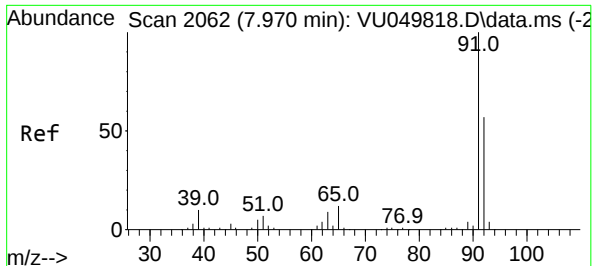
Ion Ratio Lower Upper

43 100

58 38.3 31.4 47.0

100 13.0 10.3 15.5

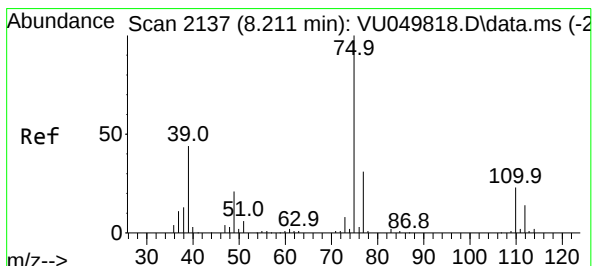
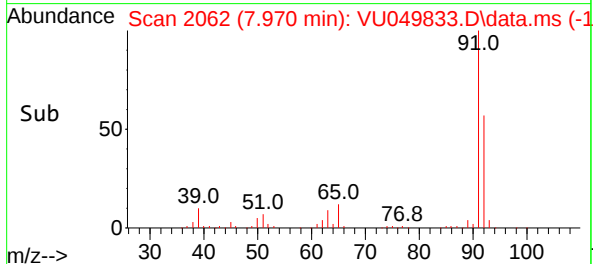
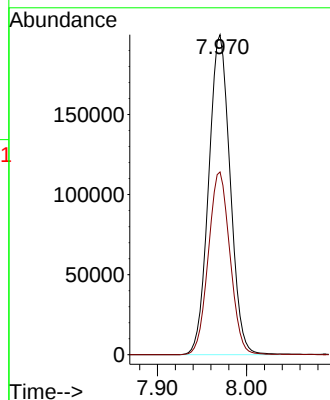
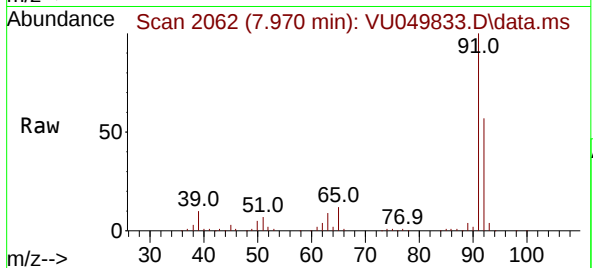




#42
Toluene
Concen: 52.204 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

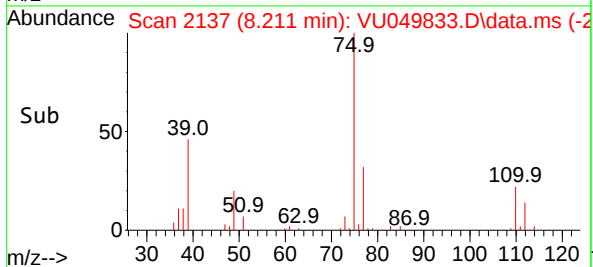
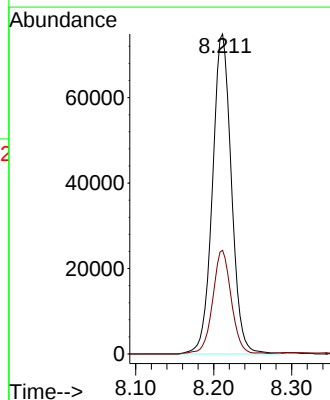
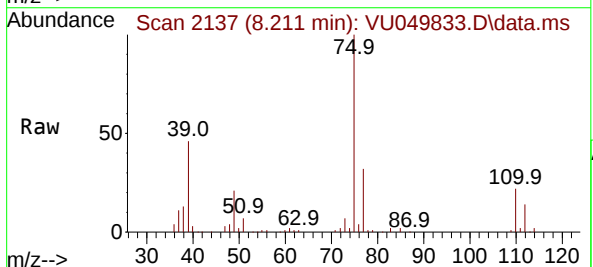
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

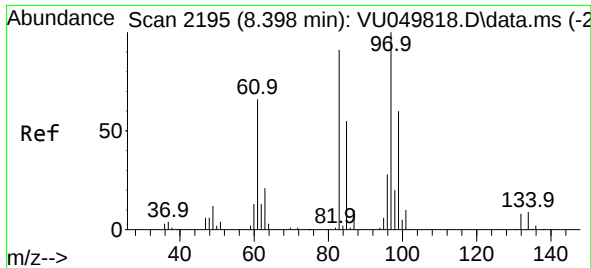
Tgt Ion: 91 Resp: 333850
Ion Ratio Lower Upper
91 100
92 57.1 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 56.091 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 75 Resp: 126682
Ion Ratio Lower Upper
75 100
77 32.4 22.5 41.9

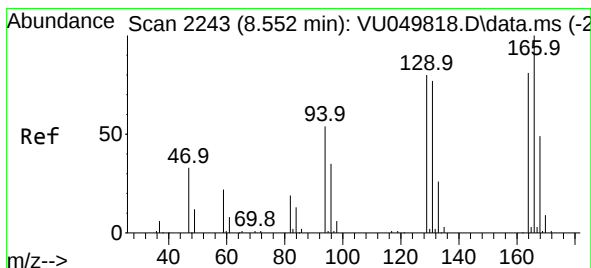
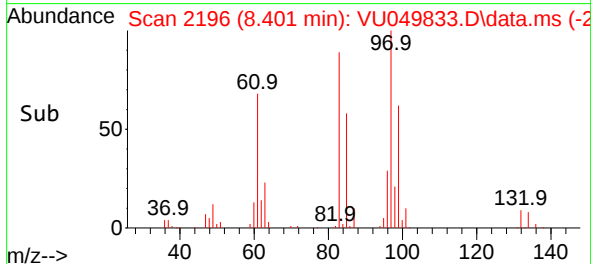
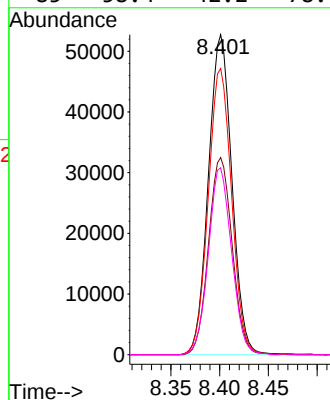
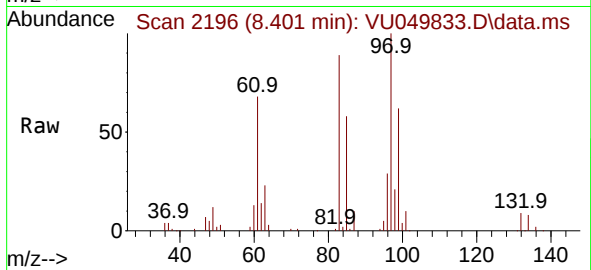




#45
1,1,2-Trichloroethane
Concen: 56.806 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

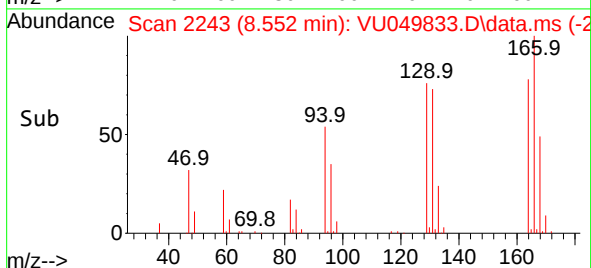
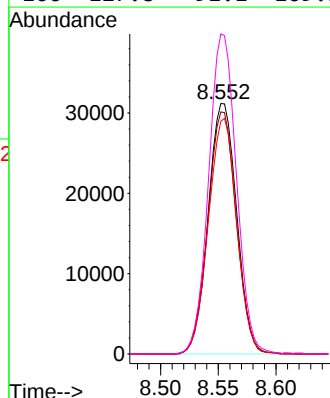
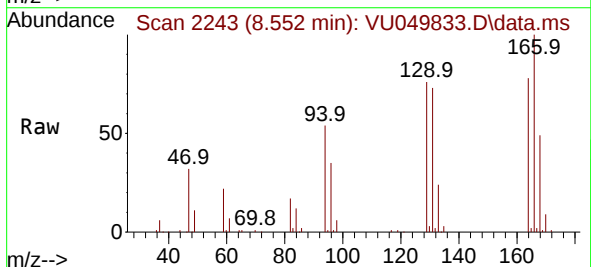
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

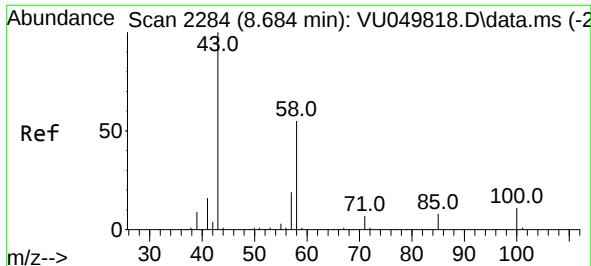
Tgt Ion: 97	Resp: 88433
Ion Ratio	Lower Upper
97 100	
99 61.6	44.3 82.3
83 89.4	64.0 118.8
85 58.4	42.2 78.4



#46
Tetrachloroethene
Concen: 49.512 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt	Ion:164	Resp:	53412
Ion	Ratio	Lower	Upper
164	100		
129	96.7	72.0	133.8
131	93.0	69.0	128.1
166	127.8	91.1	169.3



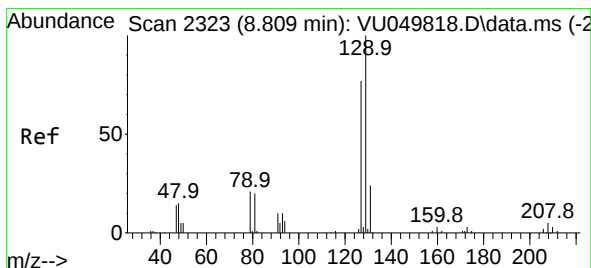
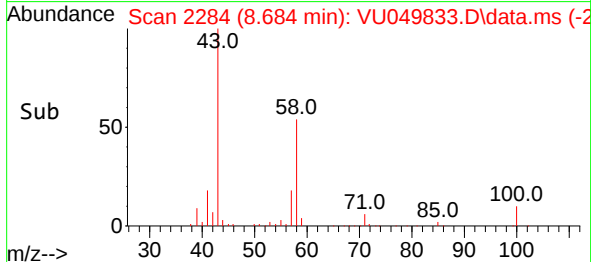
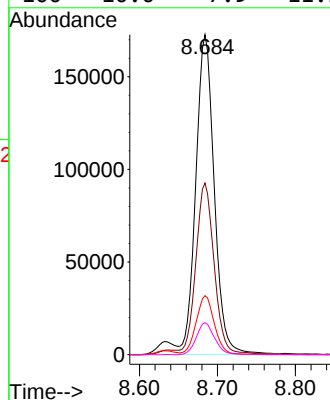
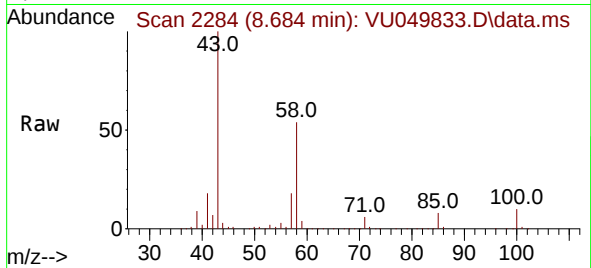


#48
2-Hexanone
Concen: 122.749 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

Tgt Ion: 43 Resp: 283219

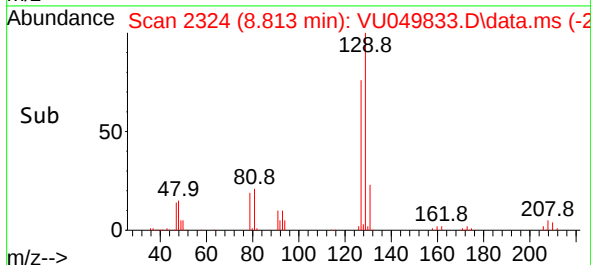
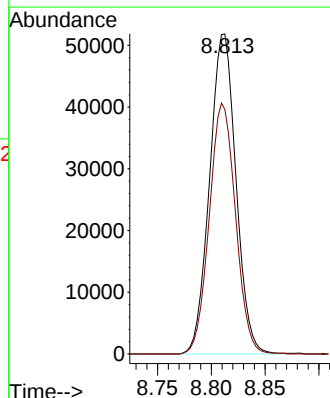
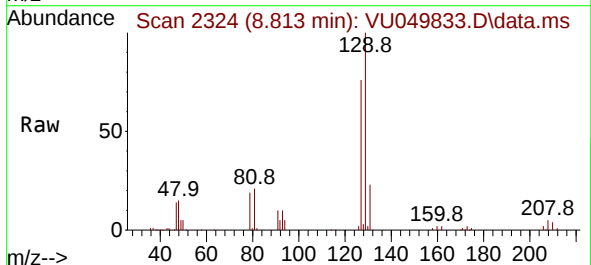
Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.6	64.0
57	18.5	15.0	22.6
100	10.0	7.9	11.9

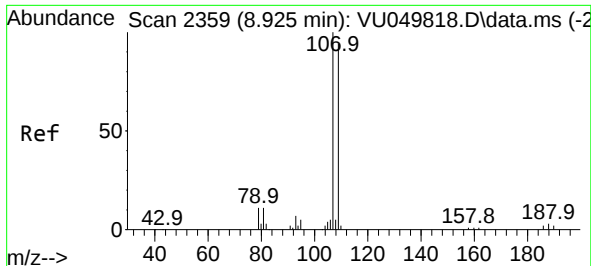


#49
Dibromochloromethane
Concen: 56.472 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 129 Resp: 88421

Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.9	105.7





#50

1,2-Dibromoethane

Concen: 57.957 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

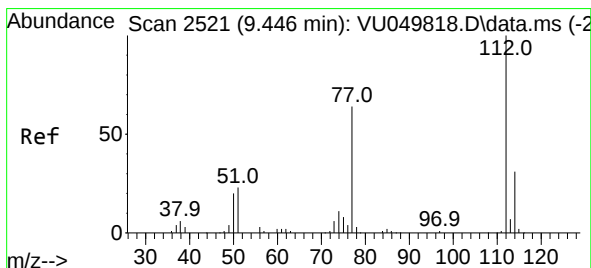
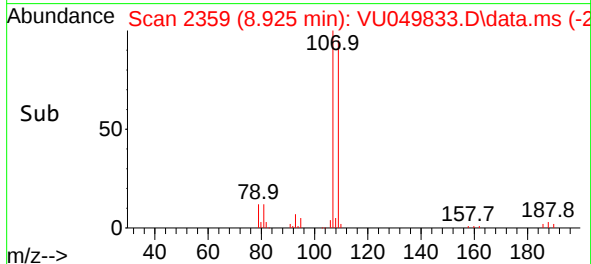
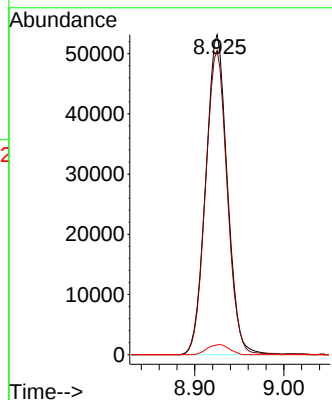
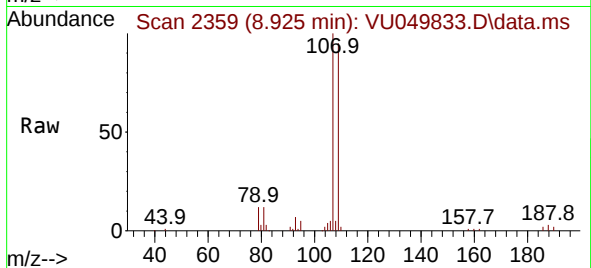
Tgt Ion:107 Resp: 89625

Ion Ratio Lower Upper

107 100

109 95.0 65.7 121.9

188 3.1 2.7 4.1



#51

Chlorobenzene

Concen: 51.297 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

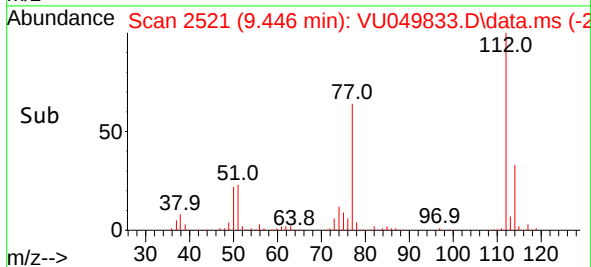
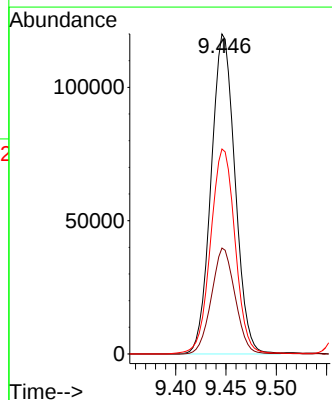
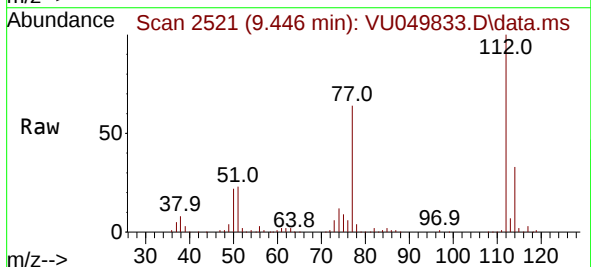
Tgt Ion:112 Resp: 198663

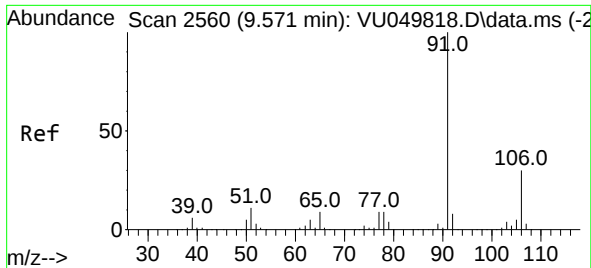
Ion Ratio Lower Upper

112 100

114 33.1 22.1 41.1

77 64.0 51.2 76.8

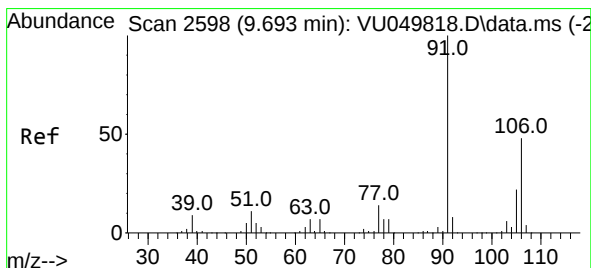
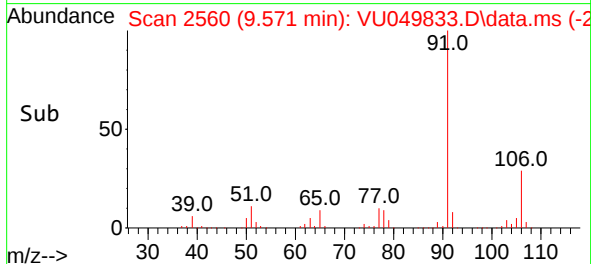
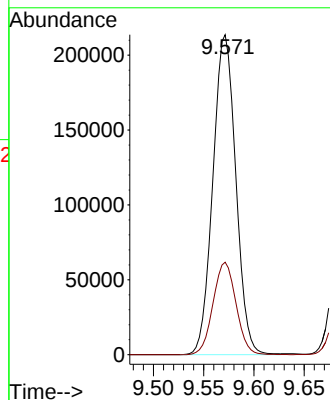
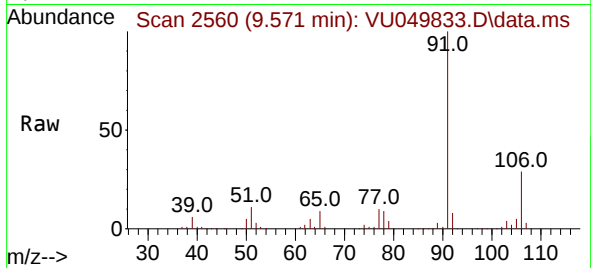




#52
Ethylbenzene
Concen: 50.284 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

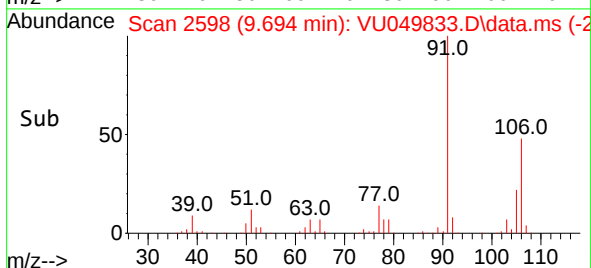
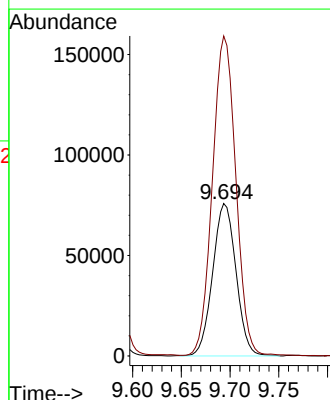
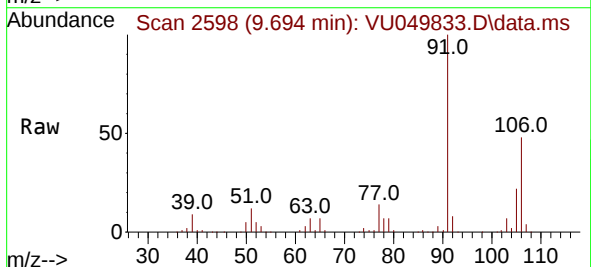
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

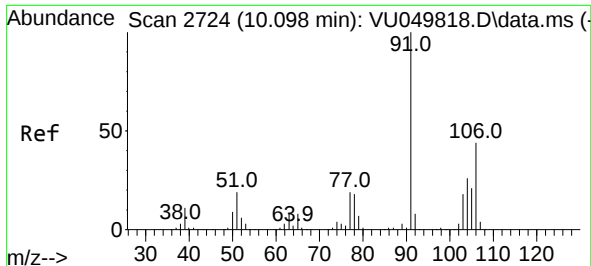
Tgt Ion: 91 Resp: 339341
Ion Ratio Lower Upper
91 100
106 28.9 21.0 39.0



#53
m,p-Xylene
Concen: 51.564 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 106 Resp: 126534
Ion Ratio Lower Upper
106 100
91 209.8 151.7 281.7

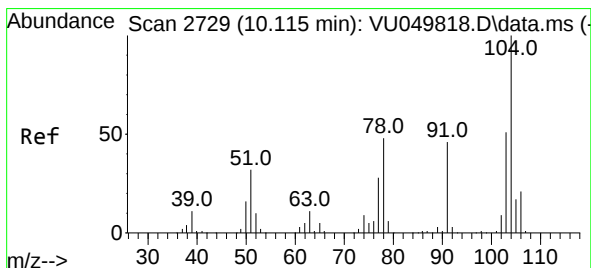
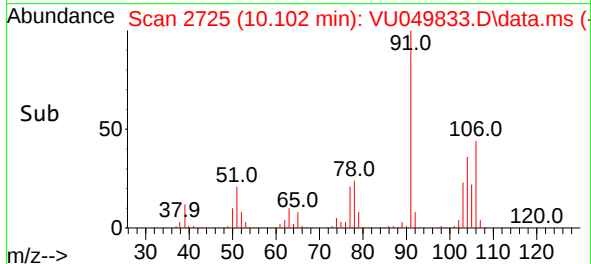
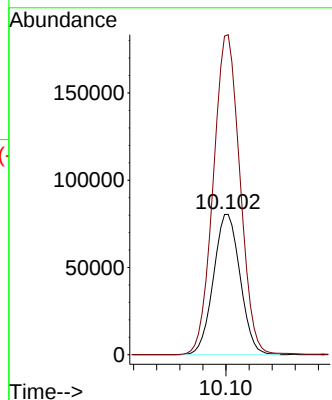
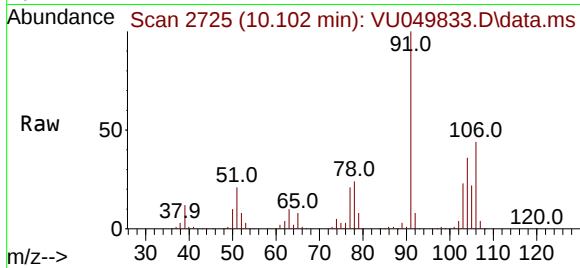




#54
o-Xylene
Concen: 52.270 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

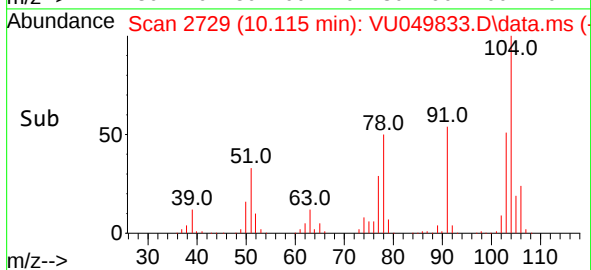
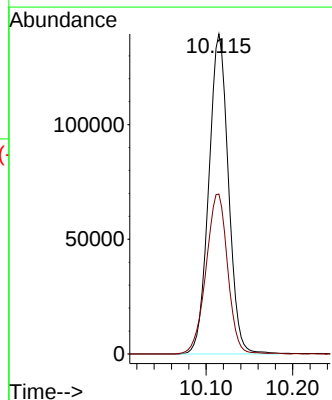
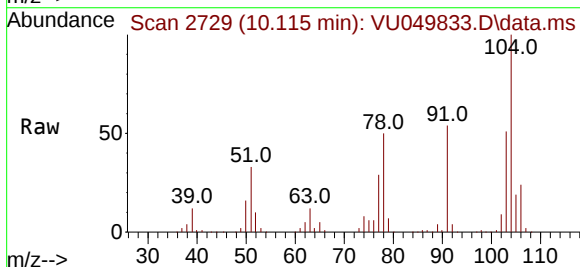
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

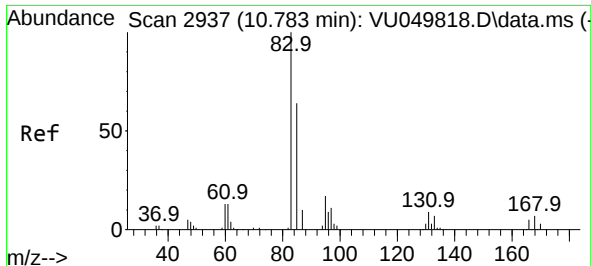
Tgt Ion:106 Resp: 129152
Ion Ratio Lower Upper
106 100
91 228.0 156.9 291.5



#55
Styrene
Concen: 54.032 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion:104 Resp: 220327
Ion Ratio Lower Upper
104 100
78 50.0 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 57.524 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

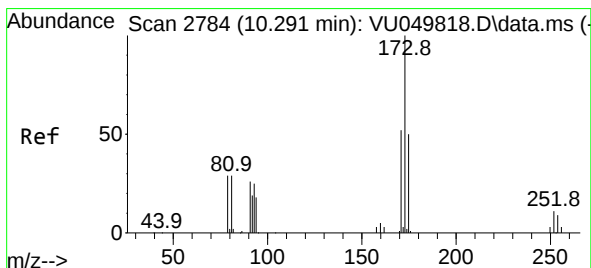
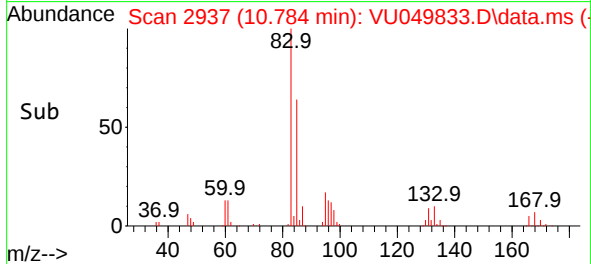
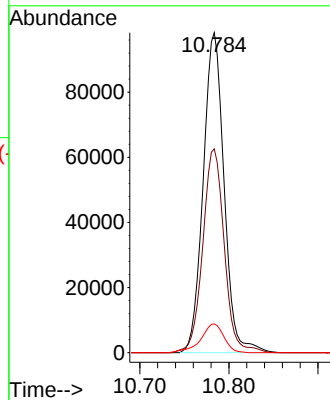
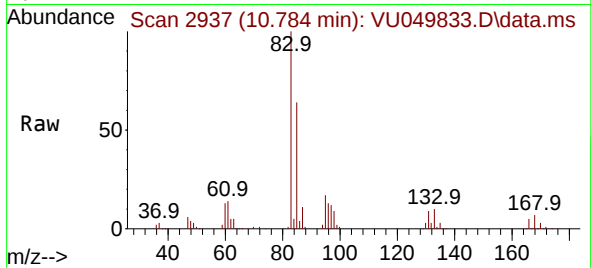
Tgt Ion: 83 Resp: 160299

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

131 9.0 7.0 10.6



#59

Bromoform

Concen: 57.901 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

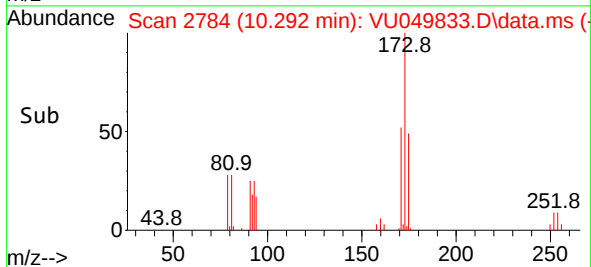
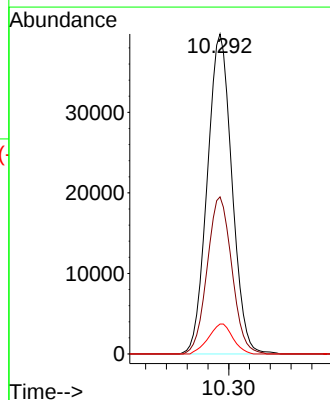
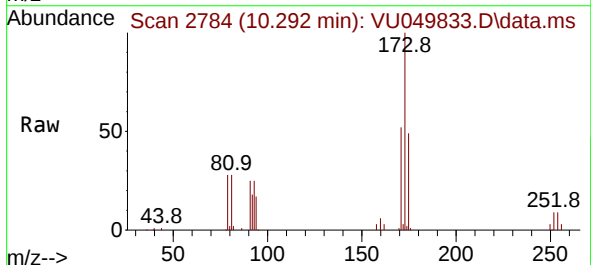
Tgt Ion:173 Resp: 65382

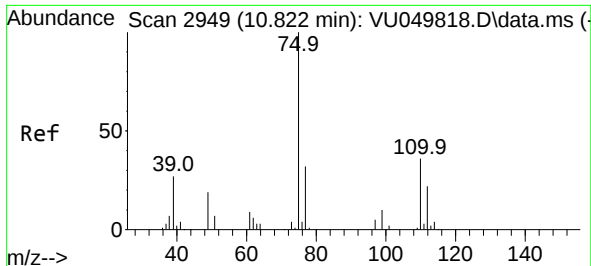
Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

254 9.2 7.4 11.0

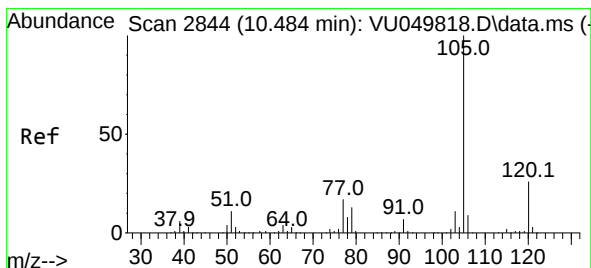
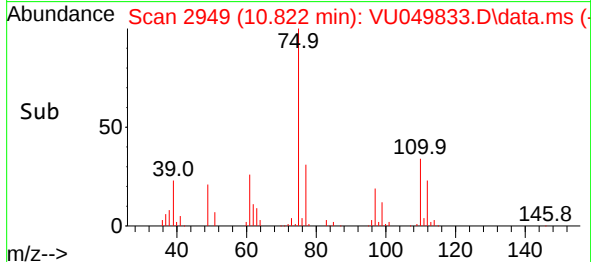
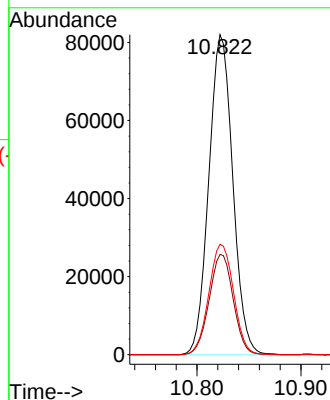
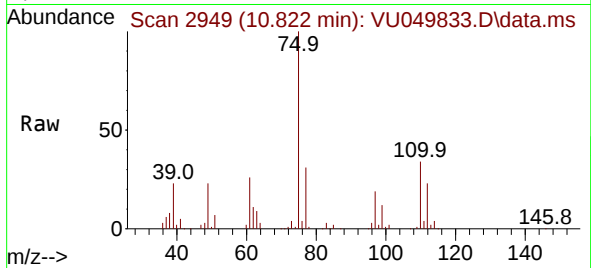




#60
1,2,3-Trichloropropane
Concen: 58.519 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

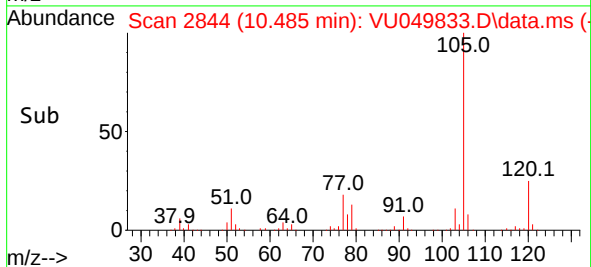
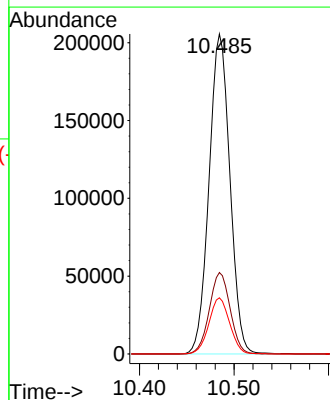
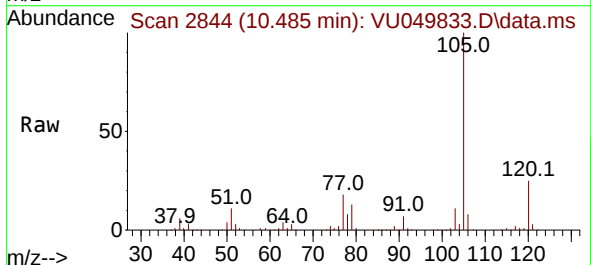
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

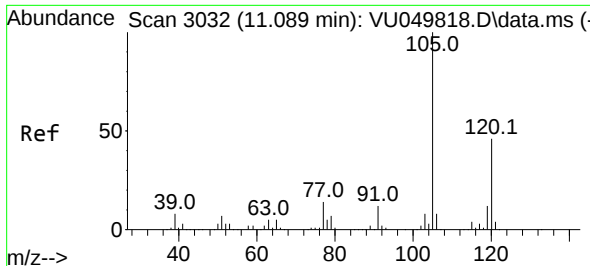
Tgt Ion: 75 Resp: 131230
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
110 35.6 28.9 43.3



#61
Isopropylbenzene
Concen: 50.126 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion: 105 Resp: 315117
Ion Ratio Lower Upper
105 100
120 25.4 19.9 29.9
77 17.5 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 50.982 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

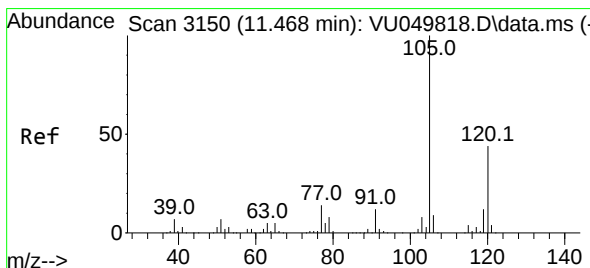
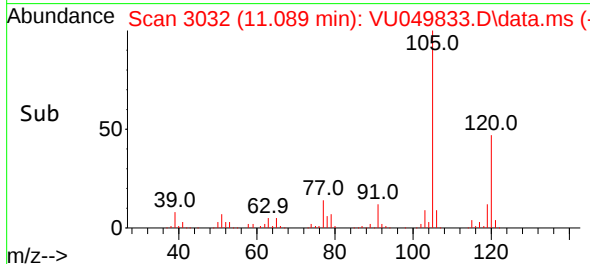
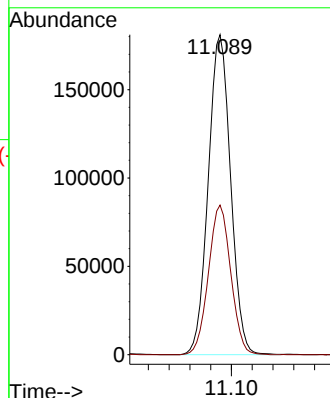
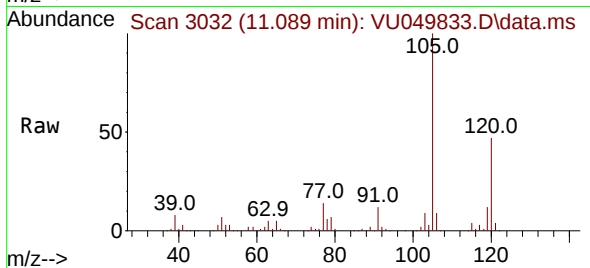
DBUN5MS

Tgt Ion:105 Resp: 270342

Ion Ratio Lower Upper

105 100

120 46.8 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 50.981 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049833.D

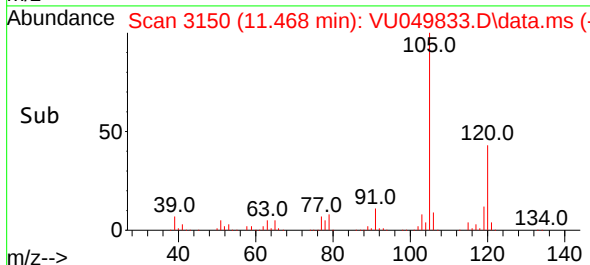
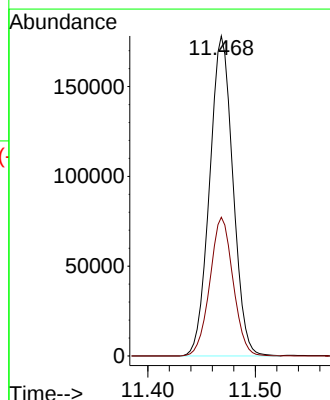
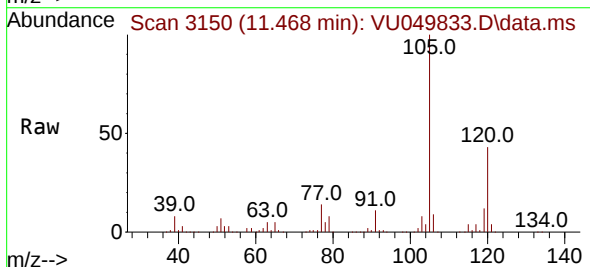
Acq: 21 Jul 2022 16:35

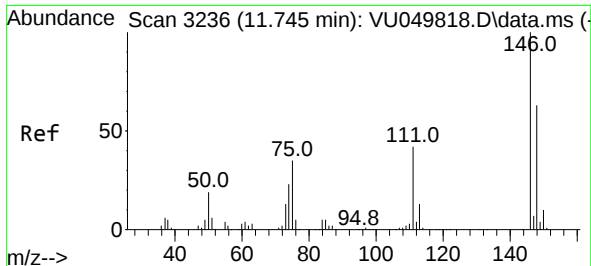
Tgt Ion:105 Resp: 268567

Ion Ratio Lower Upper

105 100

120 43.0 33.9 50.9

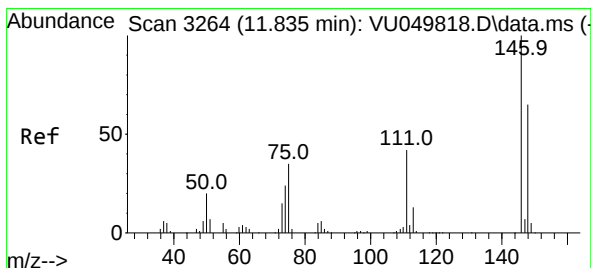
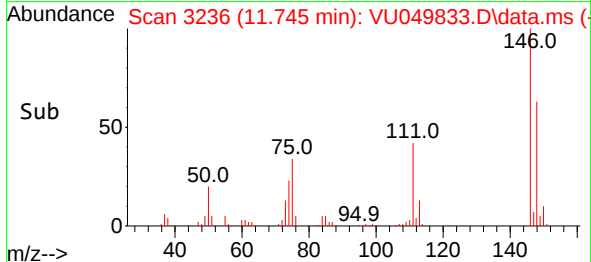
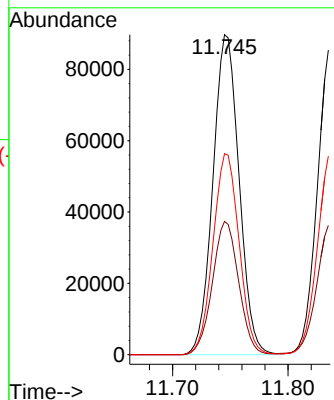
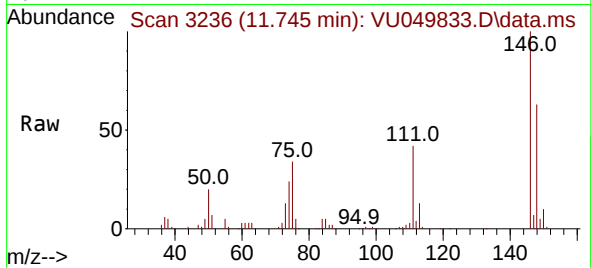




#64
1,3-Dichlorobenzene
Concen: 51.479 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

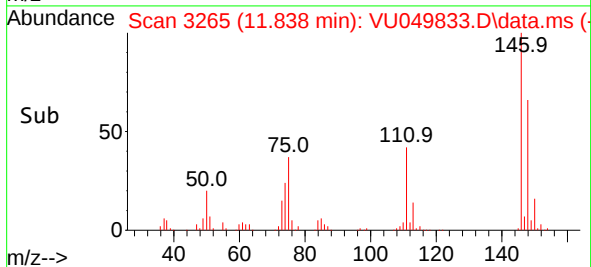
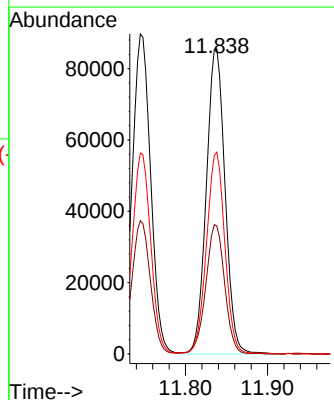
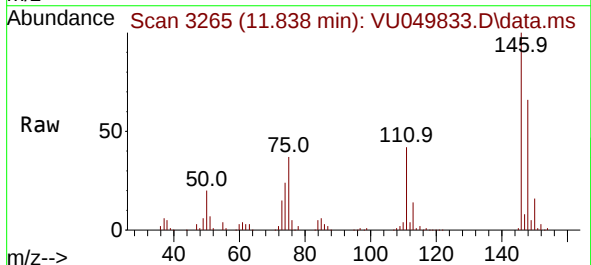
Instrument :
MSVOA_U
ClientSampleId :
DBUN5MS

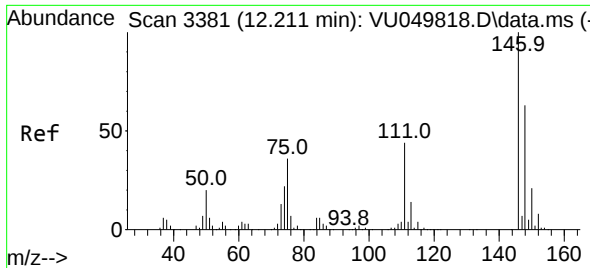
Tgt Ion:146 Resp: 141273
Ion Ratio Lower Upper
146 100
111 41.6 30.0 55.6
148 62.8 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 49.414 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU049833.D
Acq: 21 Jul 2022 16:35

Tgt Ion:146 Resp: 136216
Ion Ratio Lower Upper
146 100
111 41.9 29.1 54.1
148 66.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 52.377 ug/L

RT: 12.214 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

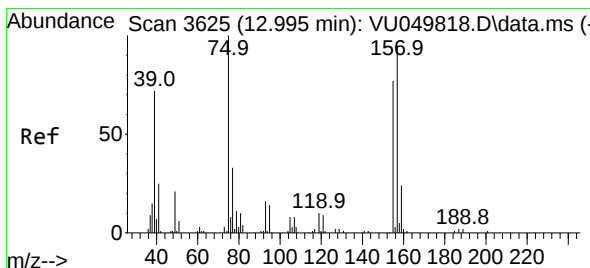
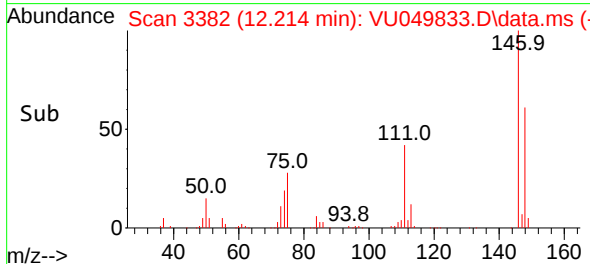
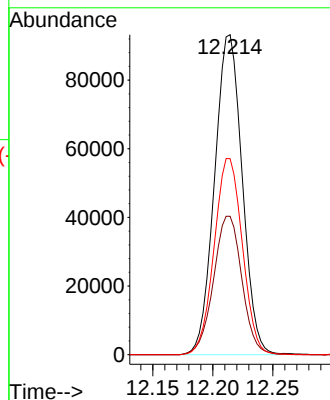
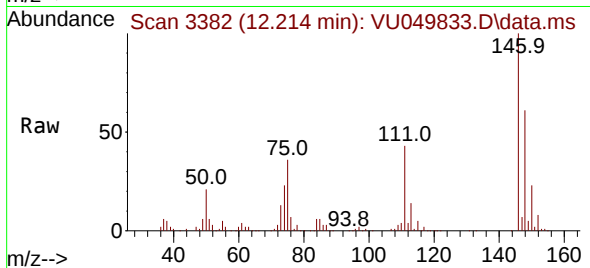
Tgt Ion:146 Resp: 149463

Ion Ratio Lower Upper

146 100

111 43.3 35.8 53.8

148 61.3 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 57.584 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

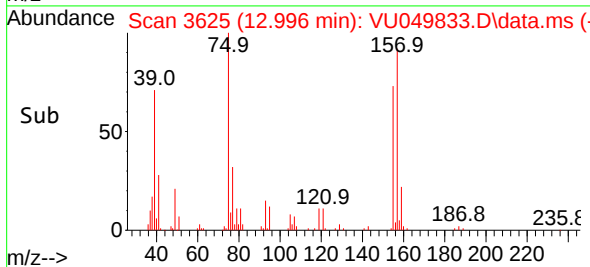
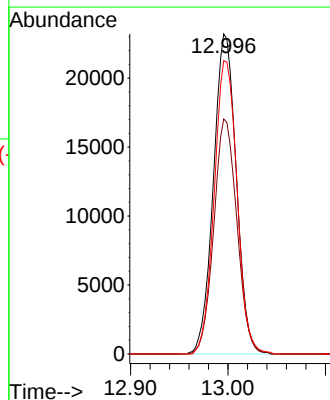
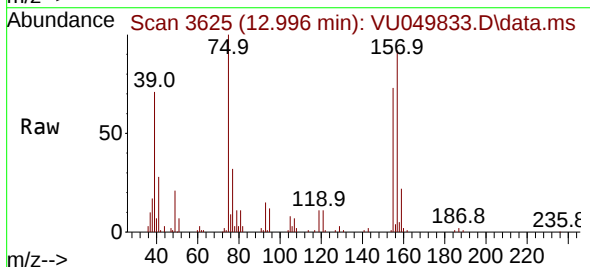
Tgt Ion: 75 Resp: 37838

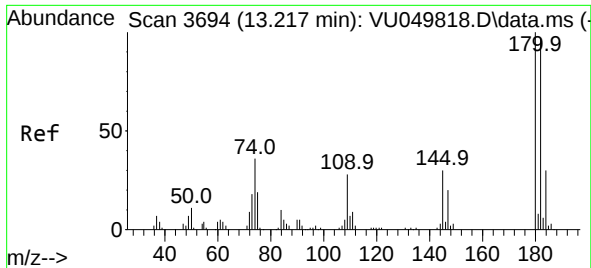
Ion Ratio Lower Upper

75 100

155 73.5 57.7 86.5

157 91.7 75.6 113.4

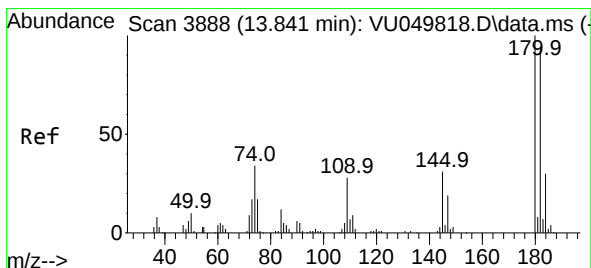
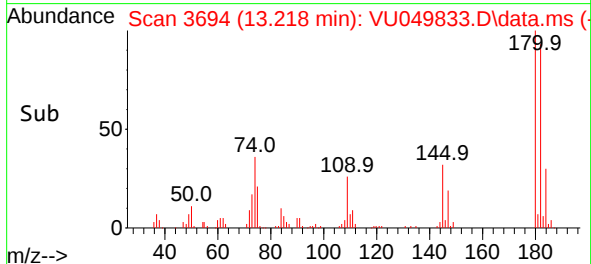
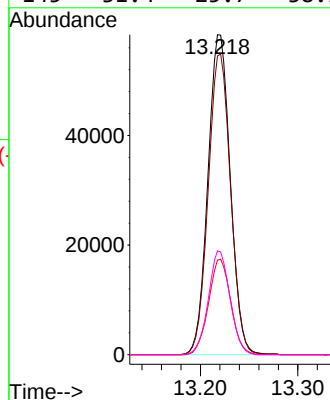
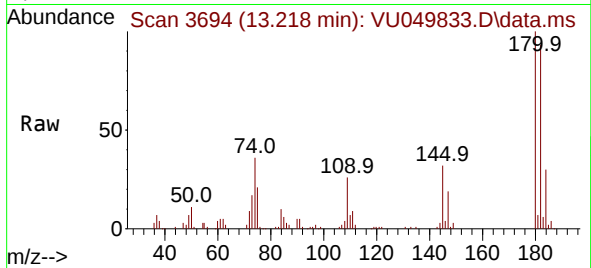




#69
 1,3,5-Trichlorobenzene
 Concen: 48.362 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

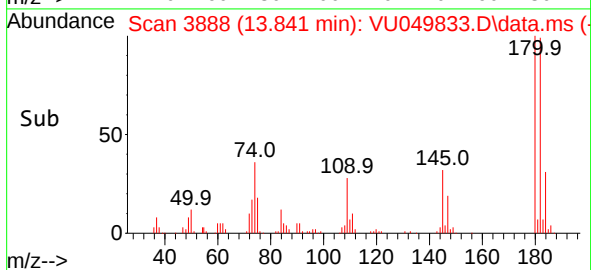
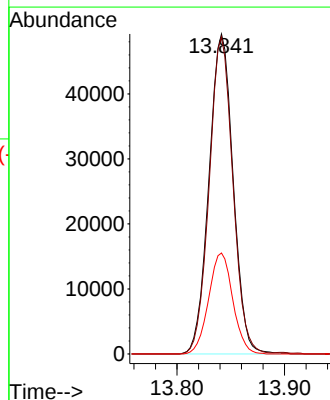
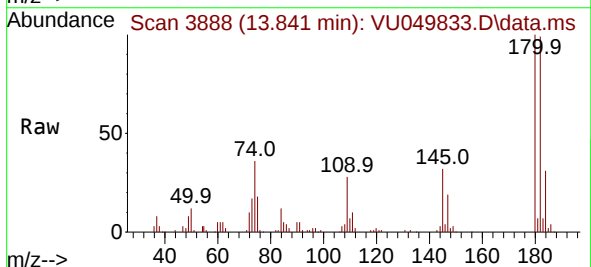
Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN5MS

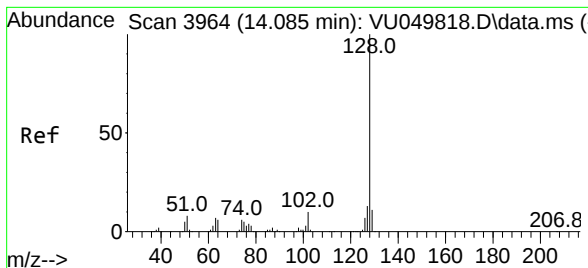
Tgt Ion:180 Resp: 92998
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.0 114.0
 184 29.7 24.0 36.0
 145 31.4 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 43.605 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU049833.D
 Acq: 21 Jul 2022 16:35

Tgt Ion:180 Resp: 76948
 Ion Ratio Lower Upper
 180 100
 182 96.6 74.8 112.2
 145 31.4 24.7 37.1





#71

Naphthalene

Concen: 47.418 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

DBUN5MS

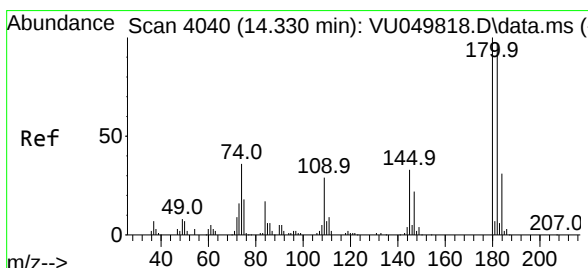
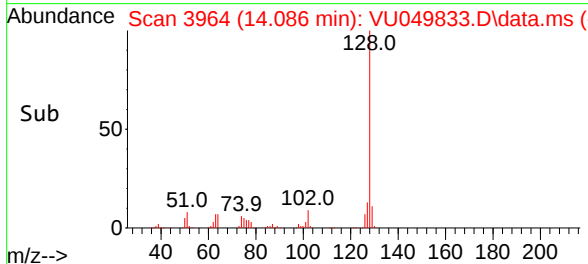
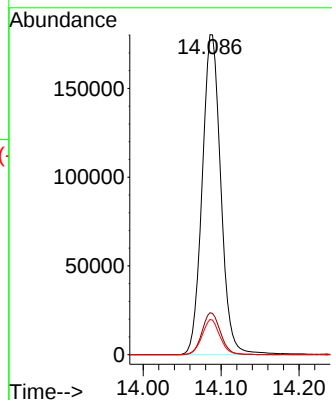
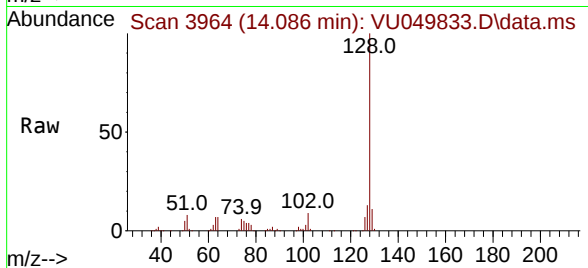
Tgt Ion:128 Resp: 299135

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.324 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049833.D

Acq: 21 Jul 2022 16:35

Tgt Ion:180 Resp: 86506

Ion Ratio Lower Upper

180 100

182 94.5 76.6 115.0

145 32.7 27.1 40.7

