

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052949.D
 Acq On : 03 Feb 2023 16:53
 Operator : JC/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 23:48:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	199103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	199513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	103829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56158	39.188	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.380%
7) Chloroethane-d5	1.909	69	56866	48.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.320%
11) 1,1-Dichloroethene-d2	2.562	63	94697	33.224	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.440%
21) 2-Butanone-d5	4.623	46	76390	86.290	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.290%
24) Chloroform-d	5.057	84	150088	49.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
26) 1,2-Dichloroethane-d4	5.693	65	101456	51.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.900%
32) Benzene-d6	5.722	84	274539	45.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.080%
36) 1,2-Dichloropropane-d6	6.684	67	84853	47.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.920%
41) Toluene-d8	7.893	98	243367	43.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.700%
43) trans-1,3-Dichloroprop...	8.176	79	41447	46.257	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.520%
47) 2-Hexanone-d5	8.639	63	52180	83.070	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.070%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	121218	45.893	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	103018	51.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4074	2.185	ug/L	94
3) Chloromethane	1.520	50	3966	2.579	ug/L	100
5) Vinyl chloride	1.604	62	4262	2.505	ug/L #	76
6) Bromomethane	1.858	94	2913	2.715	ug/L	92
8) Chloroethane	1.928	64	3175	2.972	ug/L	96
9) Trichlorofluoromethane	2.131	101	7315	2.567	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	4581	2.852	ug/L	86
12) 1,1-Dichloroethene	2.575	96	4254	2.888	ug/L #	1
13) Acetone	2.636	43	4687	4.335	ug/L	94
14) Carbon disulfide	2.790	76	9474	2.130	ug/L	100
15) Methyl Acetate	2.951	43	2727	1.872	ug/L #	74
17) trans-1,2-Dichloroethene	3.353	96	3655	2.296	ug/L	85
18) Methyl tert-butyl Ether	3.359	73	10515	2.247	ug/L #	75
19) 1,1-Dichloroethane	3.864	63	4215	1.510	ug/L #	94
23) Bromochloromethane	4.973	128	2036	2.133	ug/L	88
25) Chloroform	5.079	83	8982	2.866	ug/L	89
27) 1,2-Dichloroethane	5.793	62	6685	2.695	ug/L #	94
29) Cyclohexane	5.382	56	4585	1.939	ug/L #	88
30) 1,1,1-Trichloroethane	5.311	97	7139	2.433	ug/L	90

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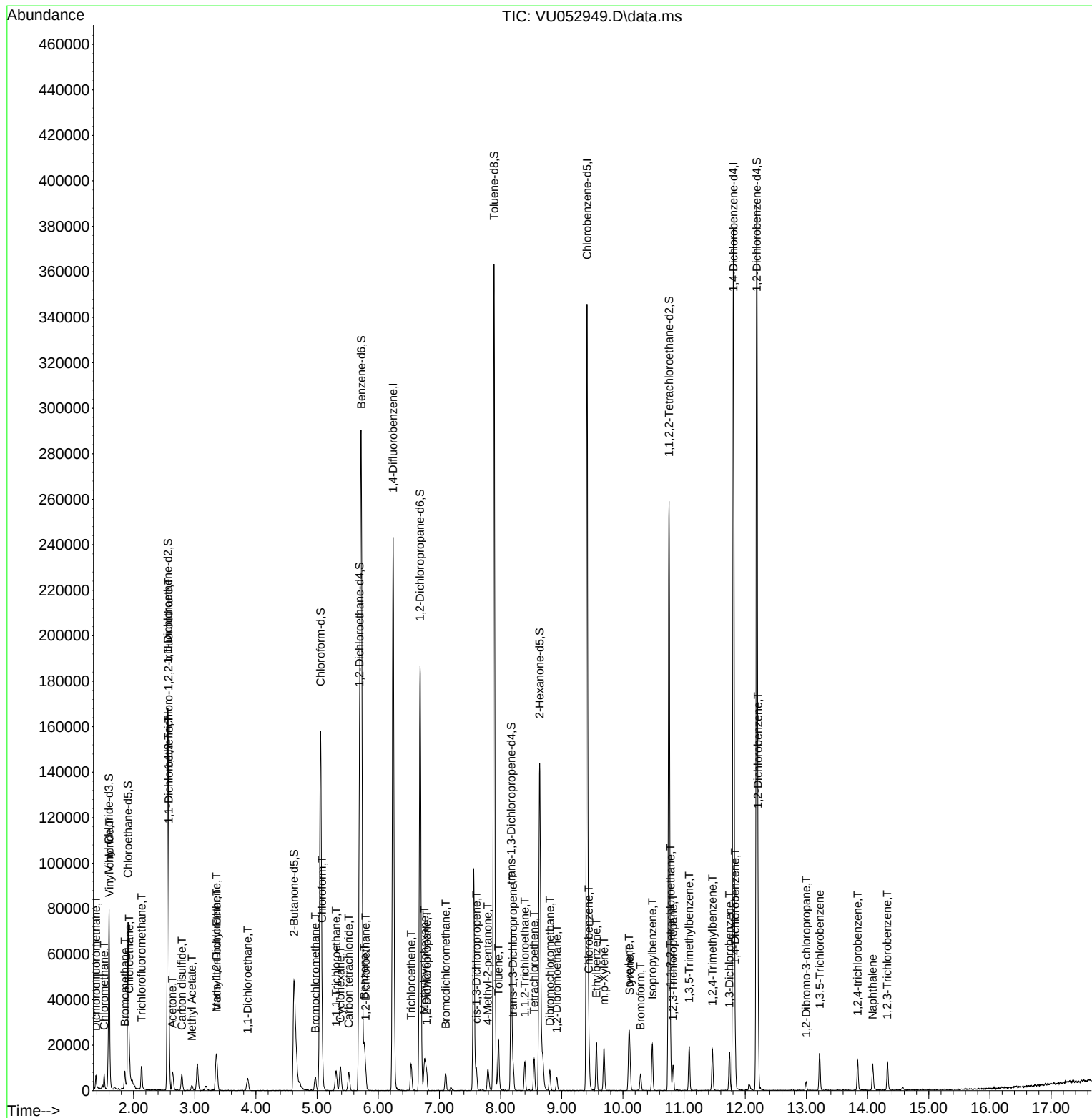
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.517	117	5694	2.238	ug/L	100
33) Benzene	5.771	78	16775	2.470	ug/L	100
34) Trichloroethene	6.539	95	4334	2.511	ug/L	93
35) Methylcyclohexane	6.758	83	5510	2.017	ug/L	95
37) 1,2-Dichloropropane	6.790	63	3977	2.382	ug/L #	85
38) Bromodichloromethane	7.102	83	5426	2.214	ug/L	90
39) cis-1,3-Dichloropropene	7.607	75	5895	2.254	ug/L	93
40) 4-Methyl-2-pentanone	7.790	43	7277	3.699	ug/L	97
42) Toluene	7.967	91	15814	2.272	ug/L	92
44) trans-1,3-Dichloropropene	8.205	75	5933	2.308	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	4174	2.445	ug/L	91
46) Tetrachloroethene	8.549	164	3521	2.369	ug/L	88
49) Dibromochloromethane	8.806	129	4858	2.379	ug/L	83
50) 1,2-Dibromoethane	8.918	107	4091	2.226	ug/L #	89
51) Chlorobenzene	9.443	112	11513	2.404	ug/L	98
52) Ethylbenzene	9.568	91	14871	1.999	ug/L	98
53) m,p-Xylene	9.693	106	5943	1.974	ug/L	99
54) o-xylene	10.098	106	5770	2.007	ug/L	87
55) Styrene	10.111	104	8422	1.707	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.780	83	6539	2.366	ug/L	95
59) Bromoform	10.288	173	3482	2.447	ug/L #	93
60) 1,2,3-Trichloropropane	10.819	75	4842	2.404	ug/L	99
61) Isopropylbenzene	10.481	105	13387	1.996	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	10950	1.961	ug/L	96
63) 1,2,4-Trimethylbenzene	11.465	105	10142	1.877	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	7182	2.123	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	9144	2.611	ug/L	92
67) 1,2-Dichlorobenzene	12.208	146	10900	3.185	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	1130	1.957	ug/L	91
69) 1,3,5-Trichlorobenzene	13.217	180	5610	2.240	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	4942	2.353	ug/L	96
71) Naphthalene	14.082	128	11160	1.849	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	4683	2.110	ug/L	96

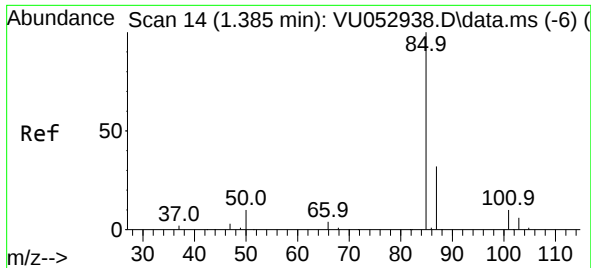
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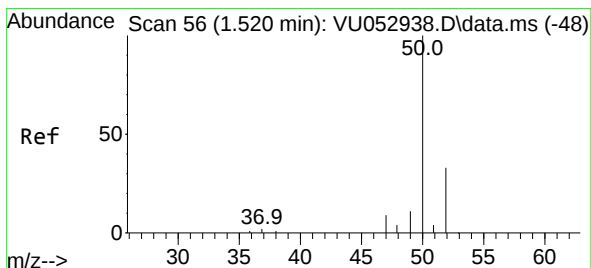
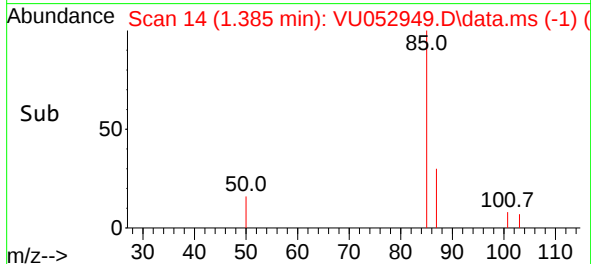
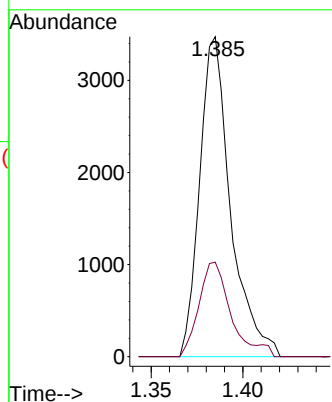
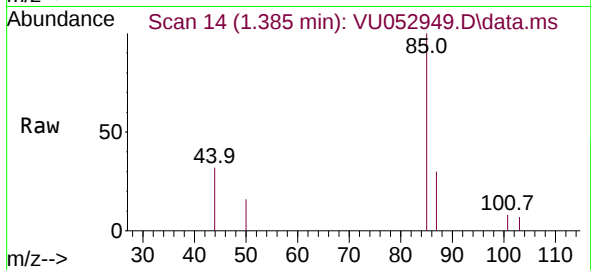




#2
Dichlorodifluoromethane
Concen: 2.185 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

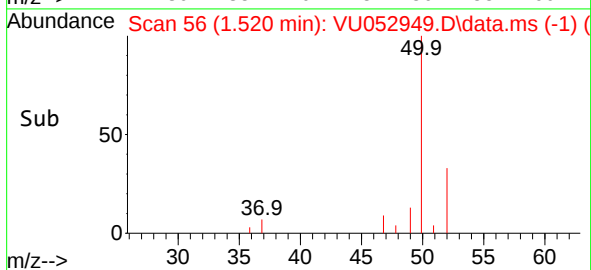
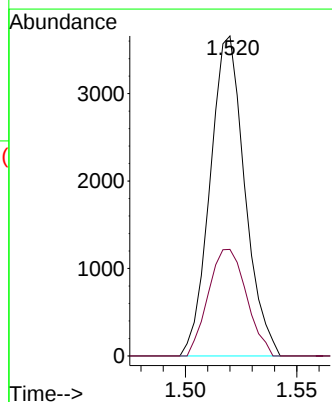
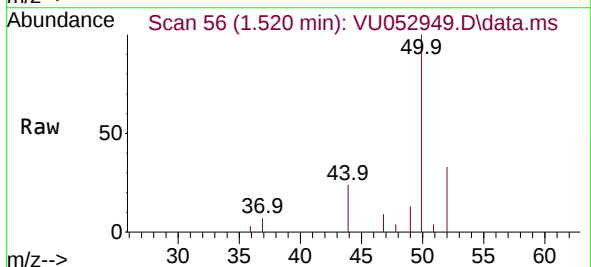
Instrument :
MSVOA_U
ClientSampleId :

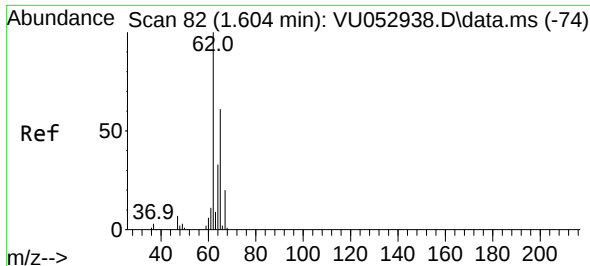
Tgt Ion: 85 Resp: 4074
Ion Ratio Lower Upper
85 100
87 29.4 26.4 39.6



#3
Chloromethane
Concen: 2.579 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 50 Resp: 3966
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.4

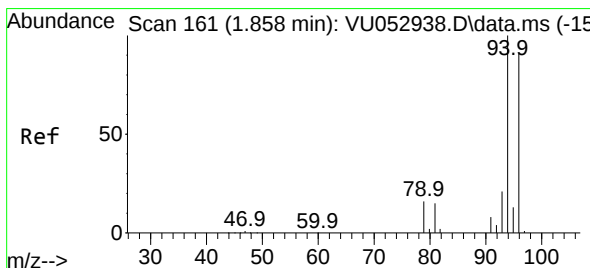
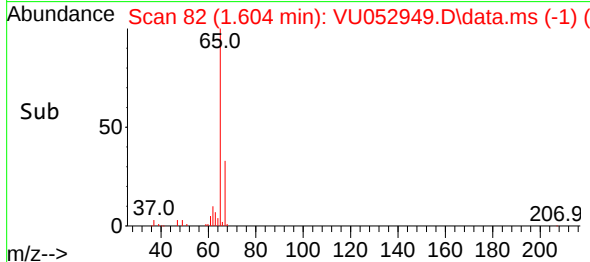
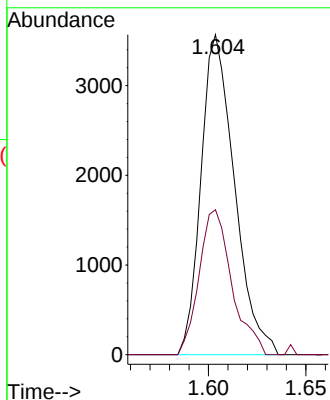
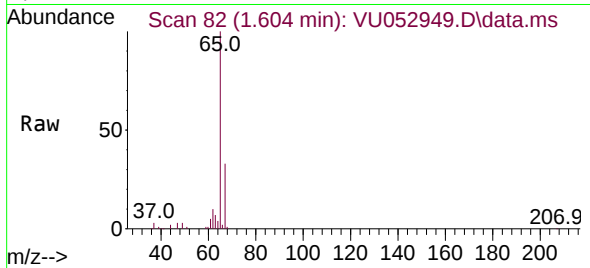




#5
 Vinyl chloride
 Concen: 2.505 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052949.D
 Acq: 03 Feb 2023 16:53

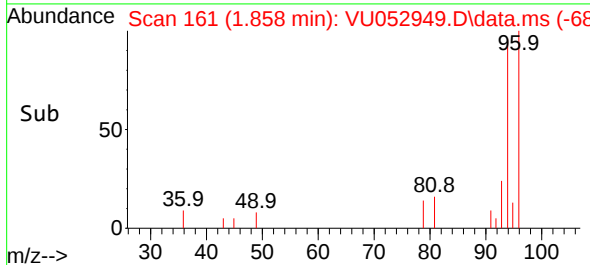
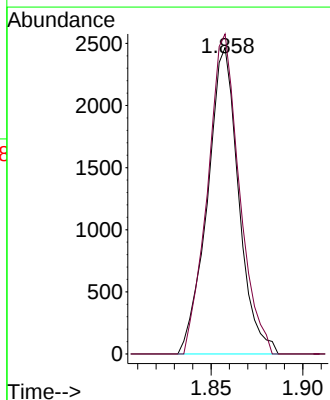
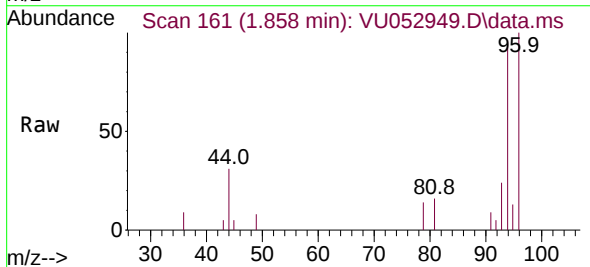
Instrument :
 MSVOA_U
 ClientSampleId :

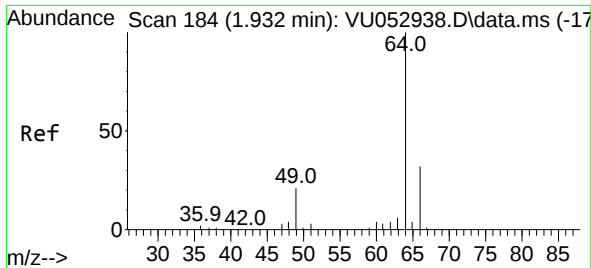
Tgt Ion: 62 Resp: 4262
 Ion Ratio Lower Upper
 62 100
 64 45.3 22.4 41.6#



#6
 Bromomethane
 Concen: 2.715 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052949.D
 Acq: 03 Feb 2023 16:53

Tgt Ion: 94 Resp: 2913
 Ion Ratio Lower Upper
 94 100
 96 104.5 67.8 125.8

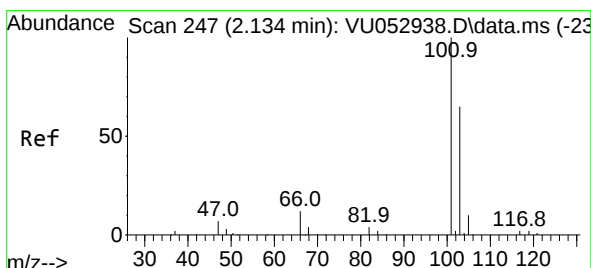
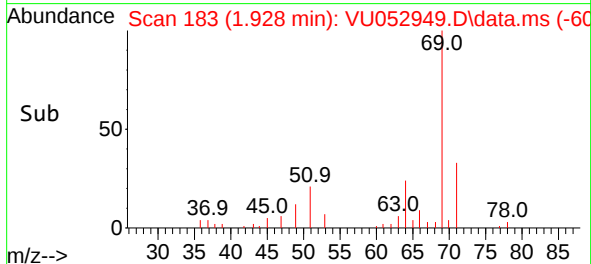
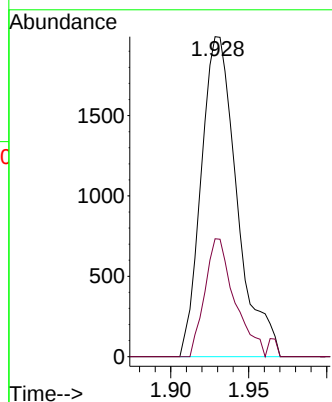
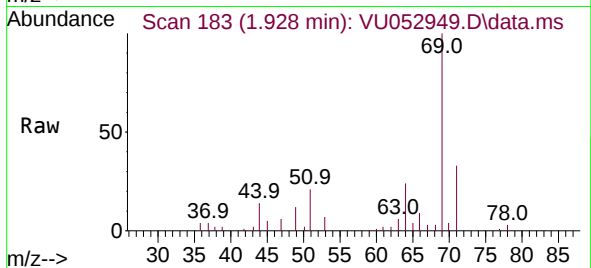




#8
Chloroethane
Concen: 2.972 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

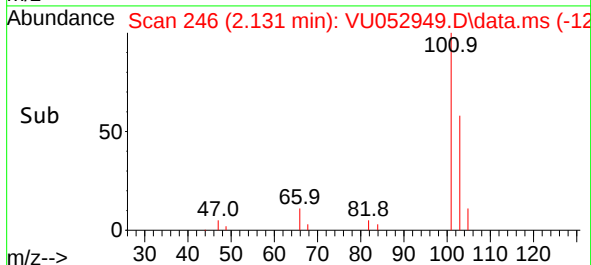
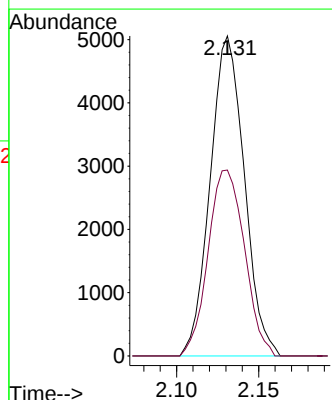
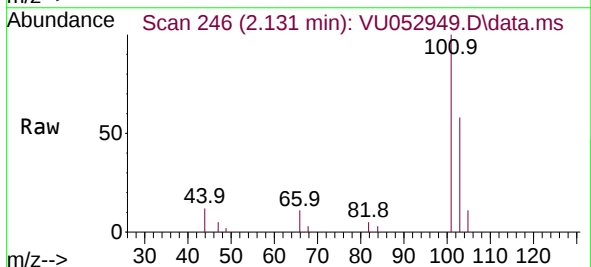
Instrument :
MSVOA_U
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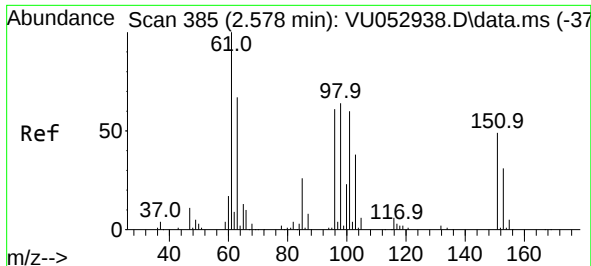
Tgt Ion: 64 Resp: 3175
Ion Ratio Lower Upper
64 100
66 36.9 24.1 44.7



#9
Trichlorofluoromethane
Concen: 2.567 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:101 Resp: 7315
Ion Ratio Lower Upper
101 100
103 61.8 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.852 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

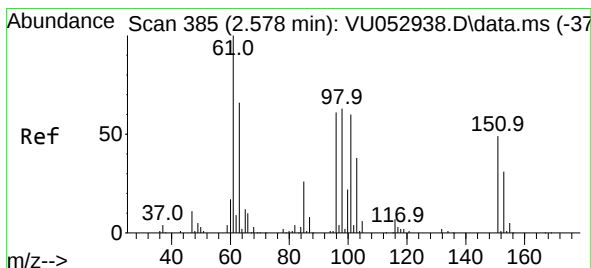
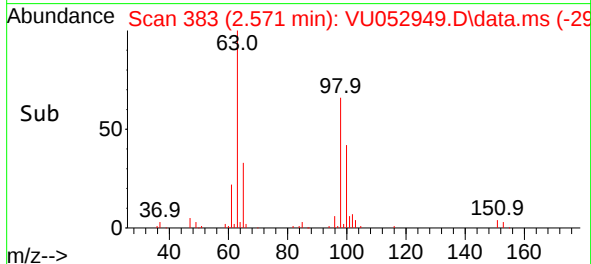
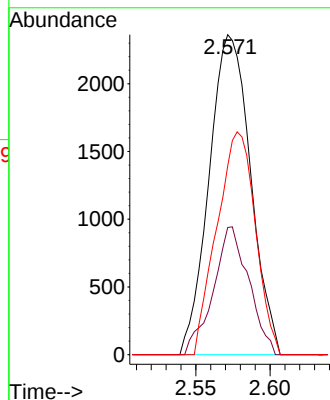
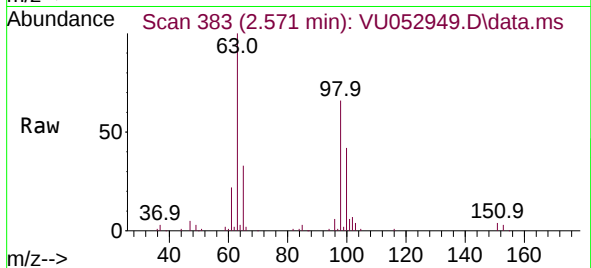
Tgt Ion:101 Resp: 4581

Ion Ratio Lower Upper

101 100

85 34.4 32.9 49.3

151 64.7 62.6 94.0



#12

1,1-Dichloroethene

Concen: 2.888 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

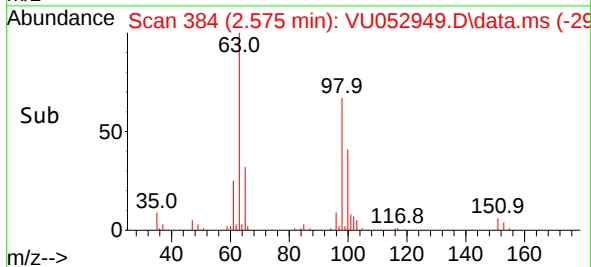
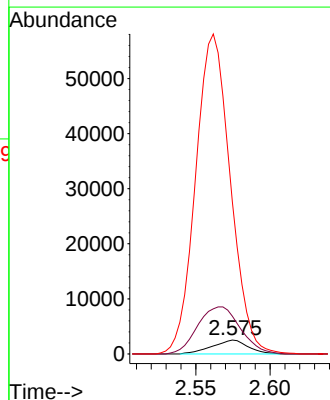
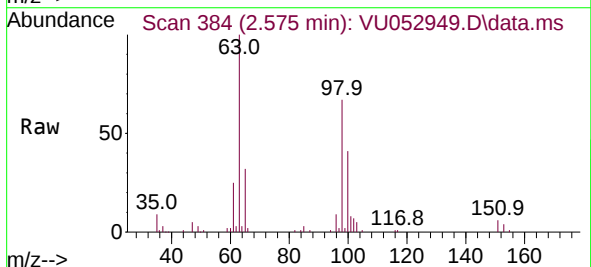
Tgt Ion: 96 Resp: 4254

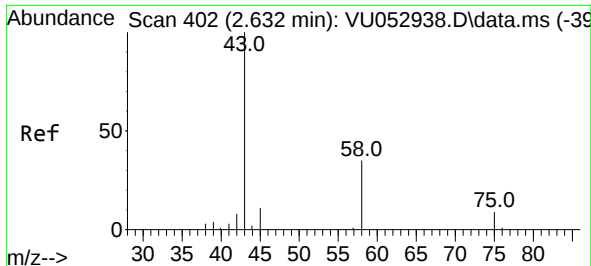
Ion Ratio Lower Upper

96 100

61 271.3 114.3 212.3#

63 1092.3 80.6 149.6#





#13

Acetone

Concen: 4.335 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

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Acq: 03 Feb 2023 16:53

Instrument :

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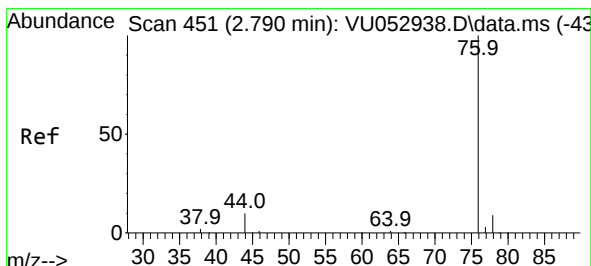
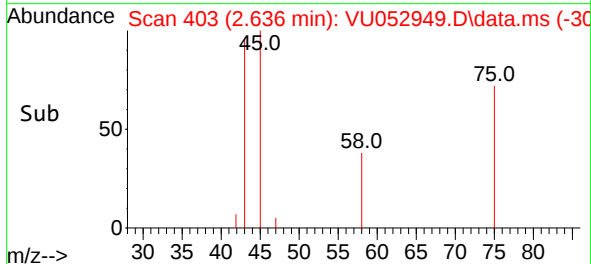
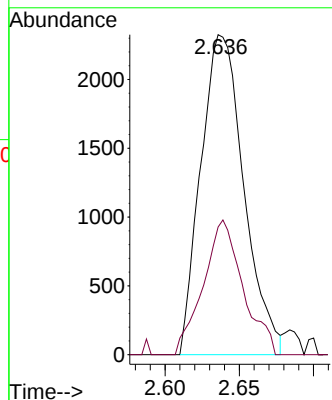
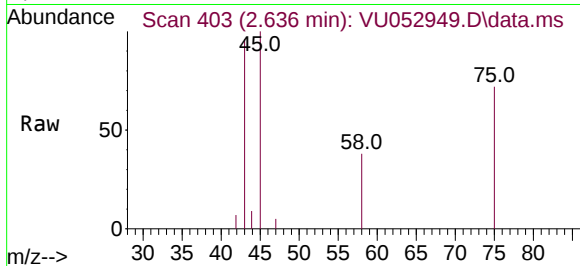
ClientSampleId :

Tgt Ion: 43 Resp: 4687

Ion Ratio Lower Upper

43 100

58 38.8 0.0 70.2



#14

Carbon disulfide

Concen: 2.130 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU052949.D

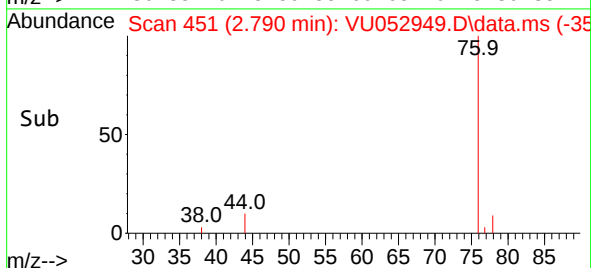
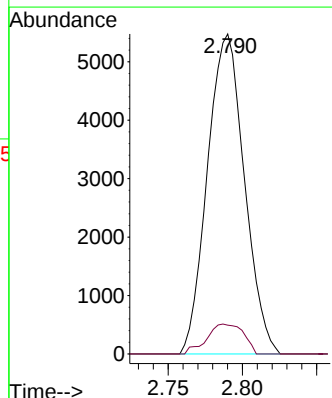
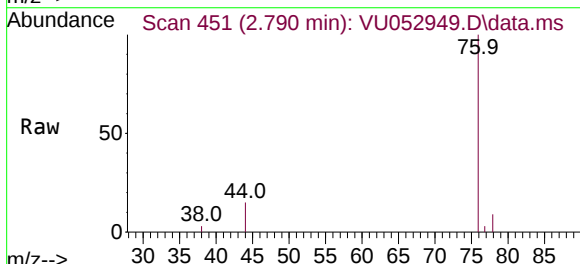
Acq: 03 Feb 2023 16:53

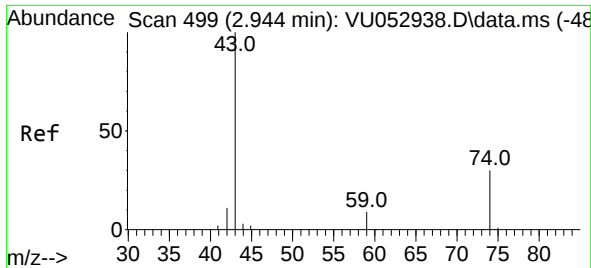
Tgt Ion: 76 Resp: 9474

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

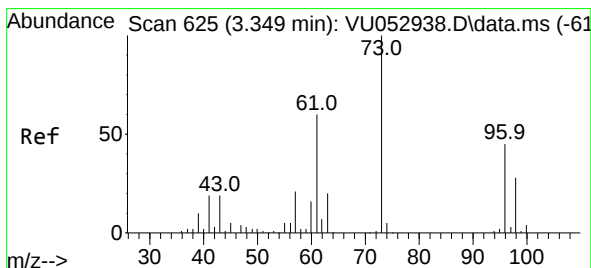
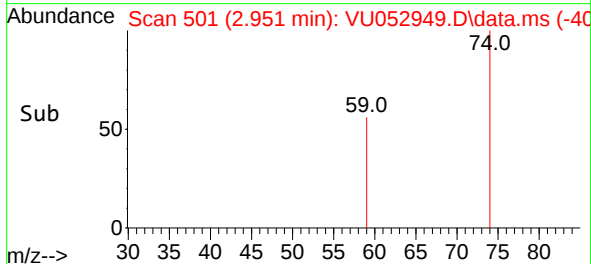
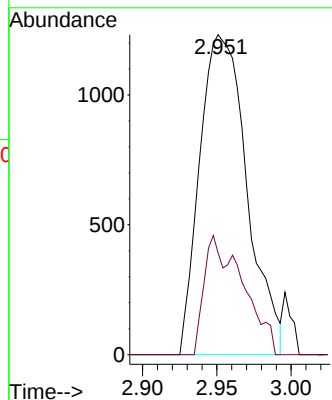
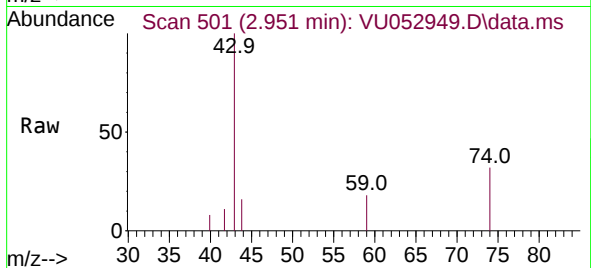




#15
Methyl Acetate
Concen: 1.872 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

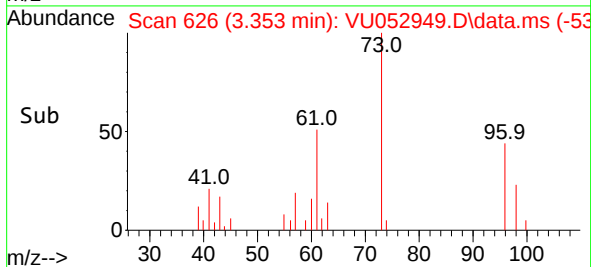
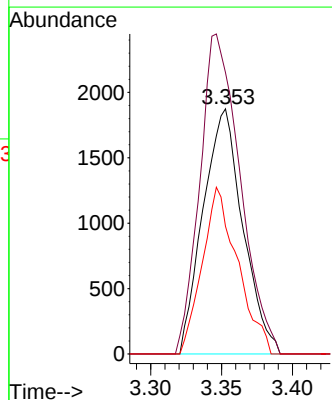
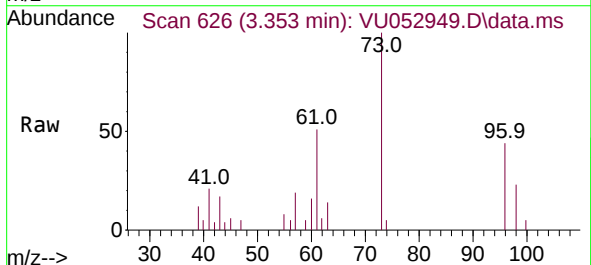
Instrument :
MSVOA_U
ClientSampleId :

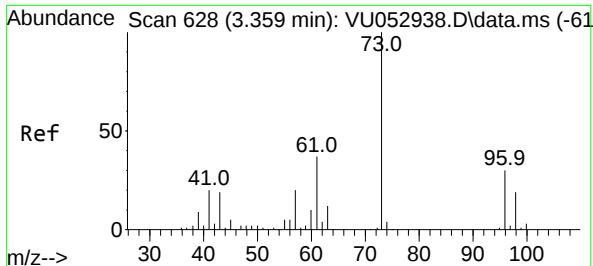
Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
74 14.2 22.0 33.0#



#17
trans-1,2-Dichloroethene
Concen: 2.296 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 96 Resp: 3655
Ion Ratio Lower Upper
96 100
61 114.8 92.7 172.3
98 52.1 44.7 82.9





#18

Methyl tert-butyl Ether

Concen: 2.247 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

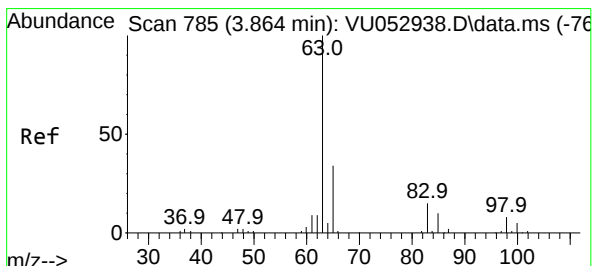
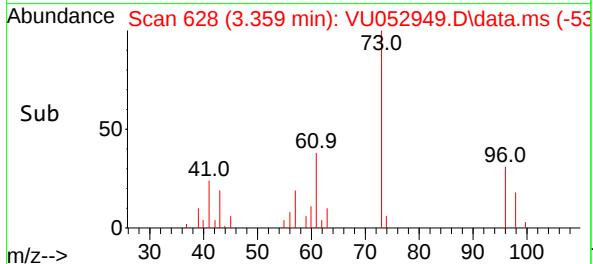
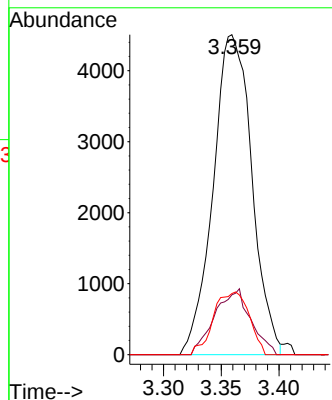
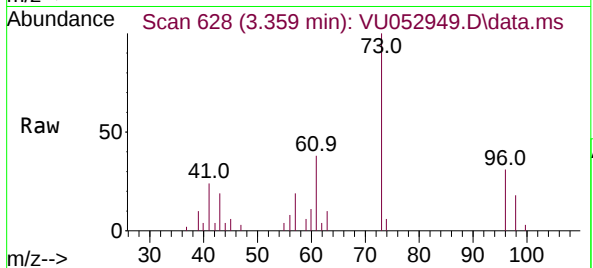
Tgt Ion: 73 Resp: 10515

Ion Ratio Lower Upper

73 100

43 19.1 14.2 21.2

57 0.0 16.3 24.5#



#19

1,1-Dichloroethane

Concen: 1.510 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

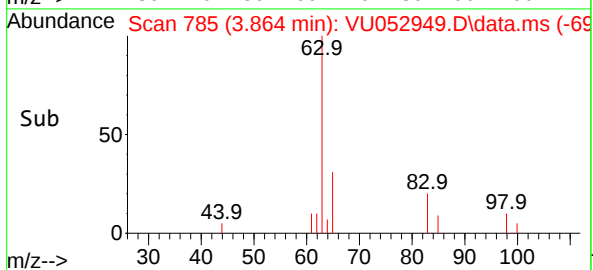
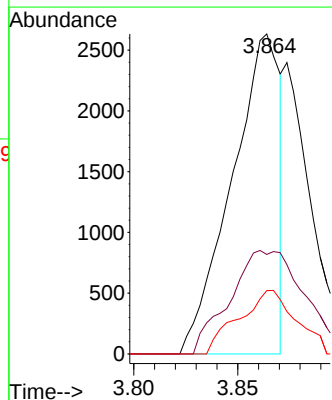
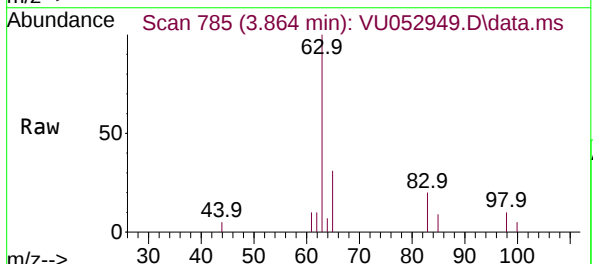
Tgt Ion: 63 Resp: 4215

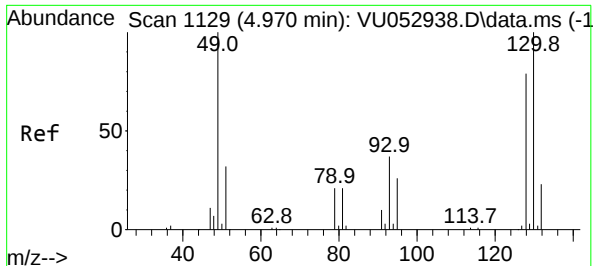
Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 19.8 9.2 17.2#





#23

Bromochloromethane

Concen: 2.133 ug/L

RT: 4.973 min Scan# 1129

Delta R.T. 0.003 min

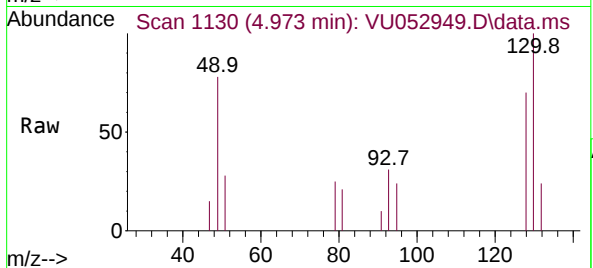
Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 2036

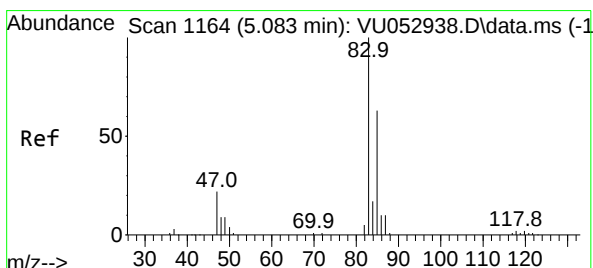
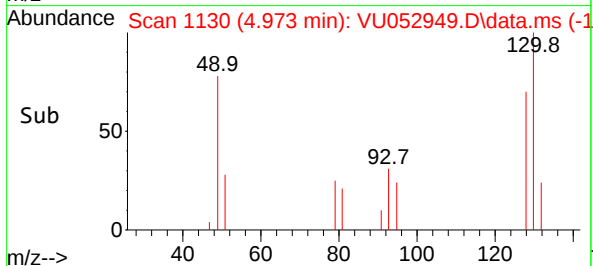
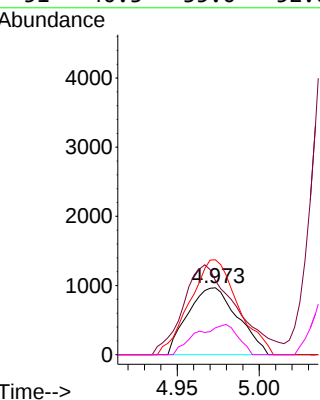
Ion Ratio Lower Upper

128 100

49 111.0 90.1 167.3

130 142.1 90.1 167.3

51 40.3 35.0 52.6



#25

Chloroform

Concen: 2.866 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU052949.D

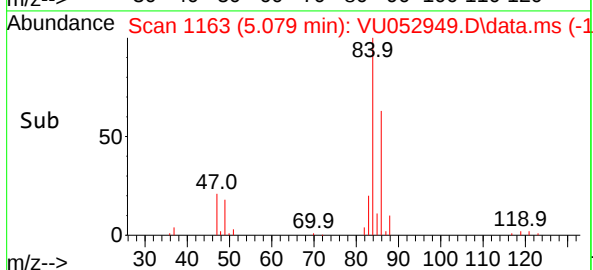
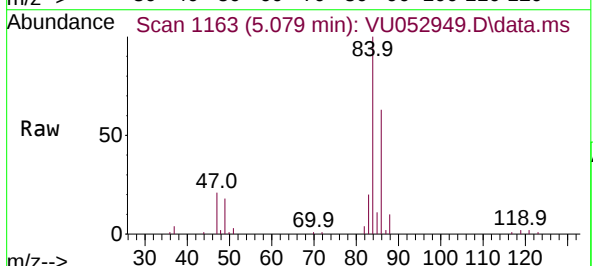
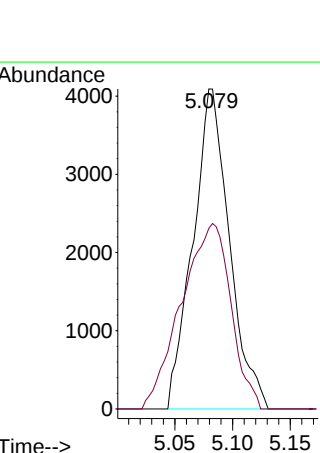
Acq: 03 Feb 2023 16:53

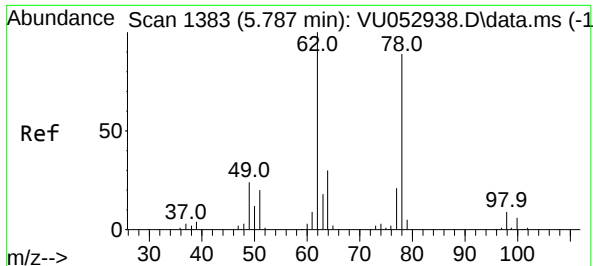
Tgt Ion: 83 Resp: 8982

Ion Ratio Lower Upper

83 100

85 56.4 45.8 85.0

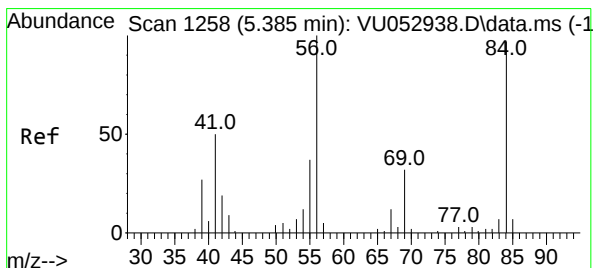
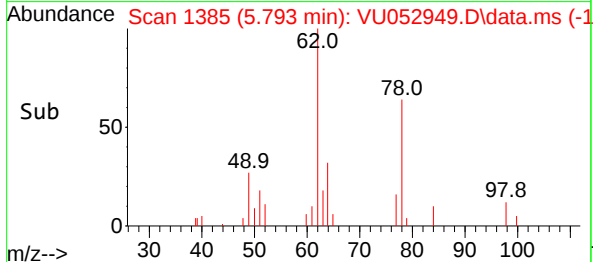
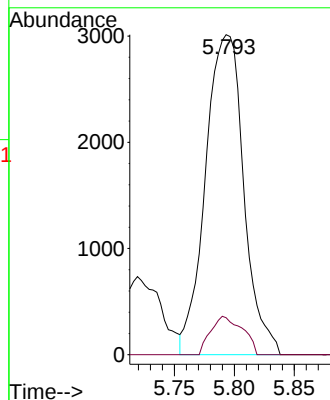
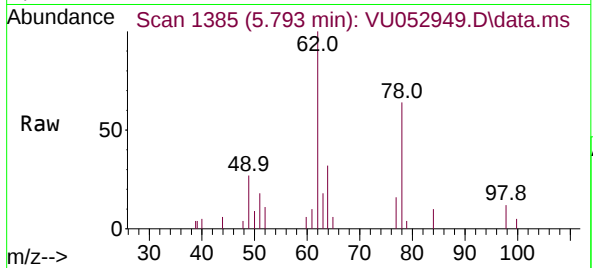




#27
1,2-Dichloroethane
Concen: 2.695 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

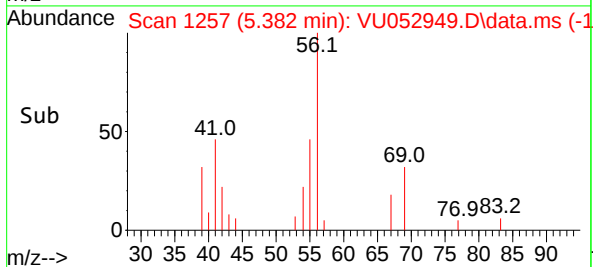
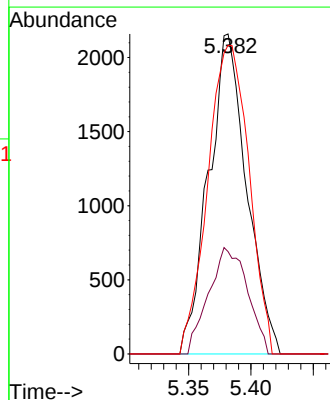
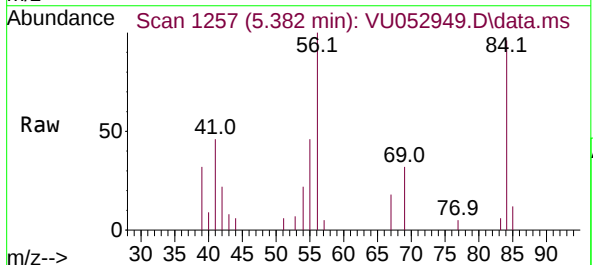
Instrument :
MSVOA_U
ClientSampleId :

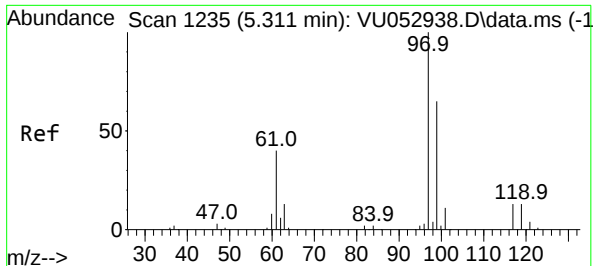
Tgt Ion: 62 Resp: 6685
Ion Ratio Lower Upper
62 100
98 11.6 7.6 11.4#



#29
Cyclohexane
Concen: 1.939 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 20.8 26.6 40.0#
84 104.3 77.0 115.4





#30

1,1,1-Trichloroethane

Concen: 2.433 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

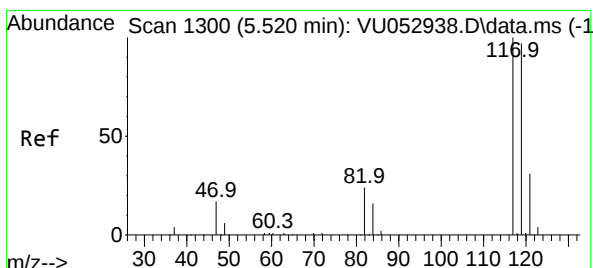
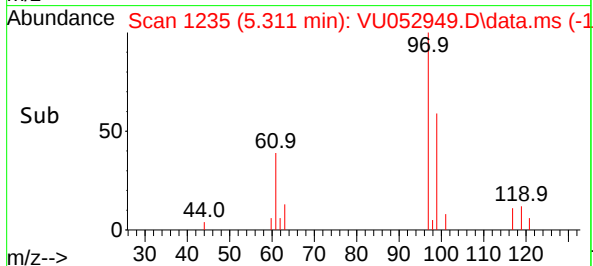
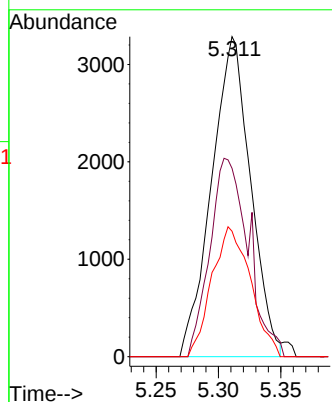
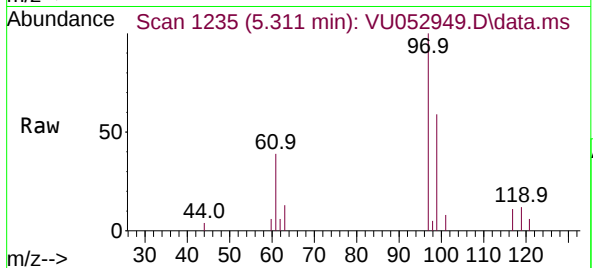
Tgt Ion: 97 Resp: 7139

Ion Ratio Lower Upper

97 100

99 51.7 51.4 77.0

61 40.2 33.0 49.6



#31

Carbon tetrachloride

Concen: 2.238 ug/L

RT: 5.517 min Scan# 1299

Delta R.T. -0.003 min

Lab File: VU052949.D

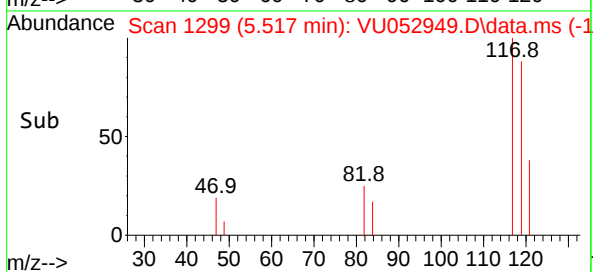
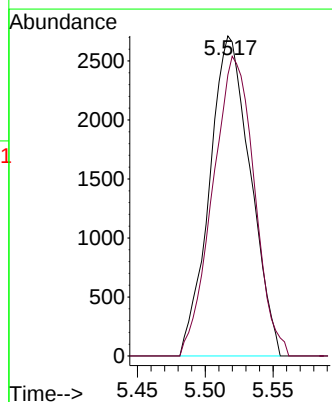
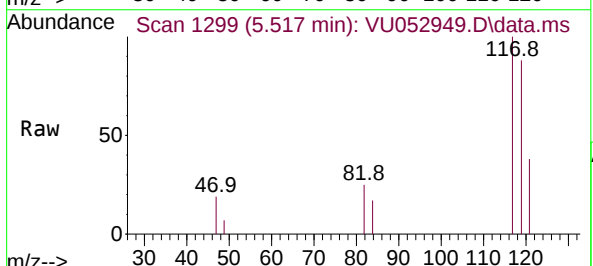
Acq: 03 Feb 2023 16:53

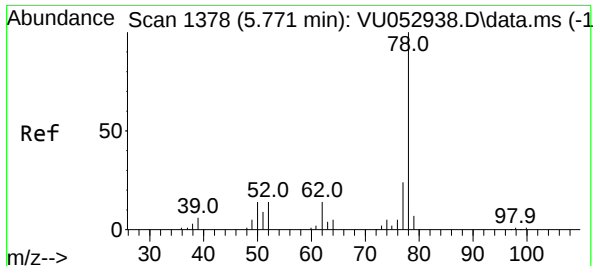
Tgt Ion: 117 Resp: 5694

Ion Ratio Lower Upper

117 100

119 95.2 76.2 114.4

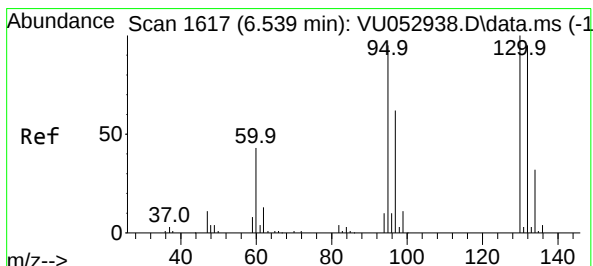
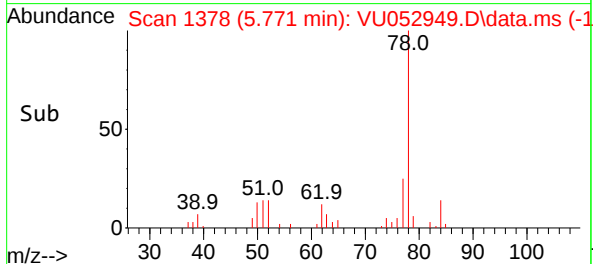
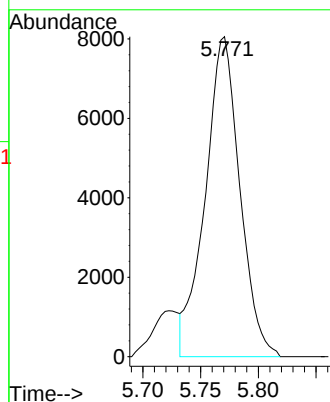
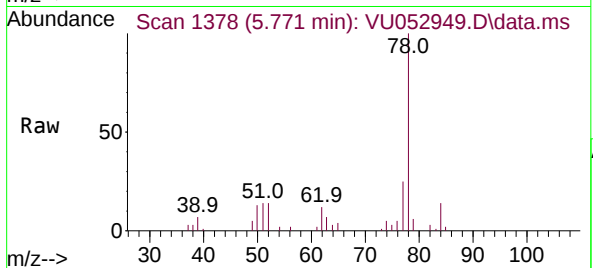




#33
Benzene
Concen: 2.470 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :

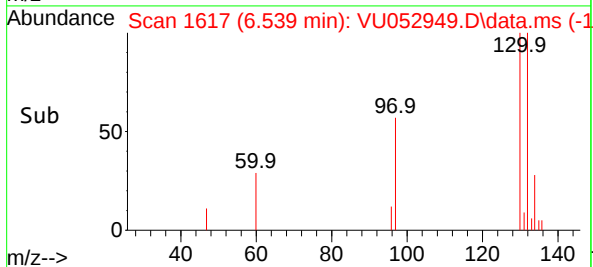
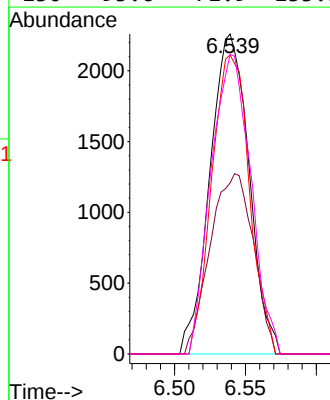
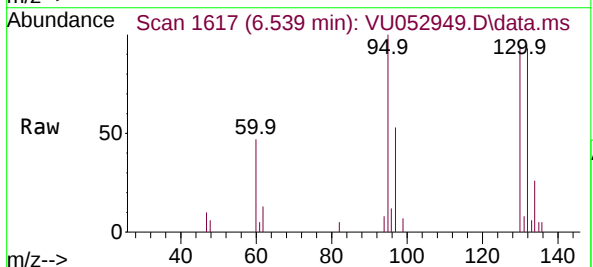
Tgt Ion: 78 Resp: 16775

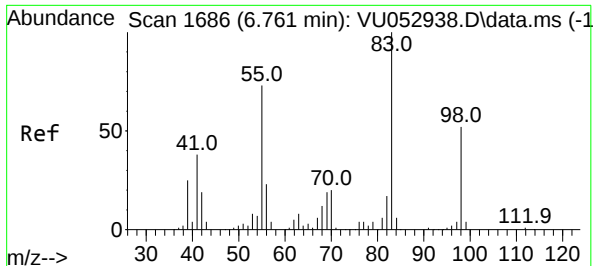


#34
Trichloroethene
Concen: 2.511 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 95 Resp: 4334

Ion	Ratio	Lower	Upper
95	100		
97	53.5	44.5	82.7
132	93.5	66.8	124.0
130	93.6	71.9	133.5





#35

Methylcyclohexane

Concen: 2.017 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

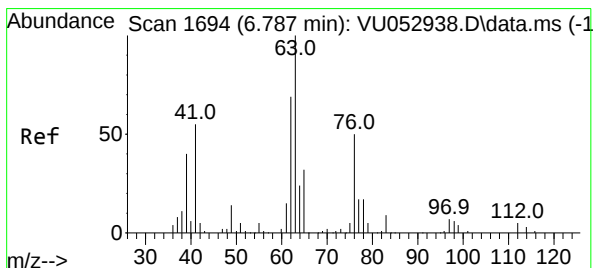
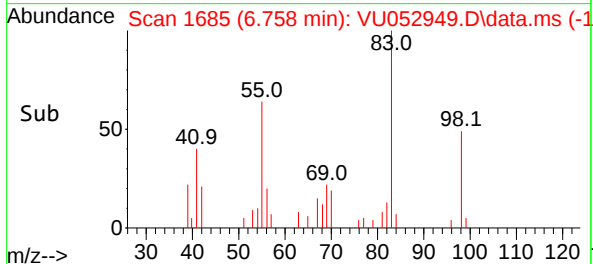
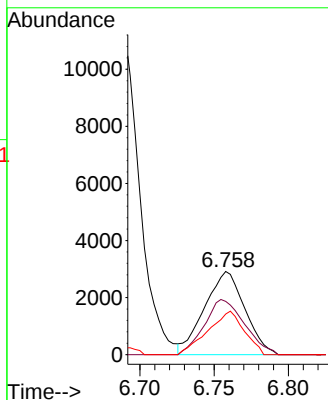
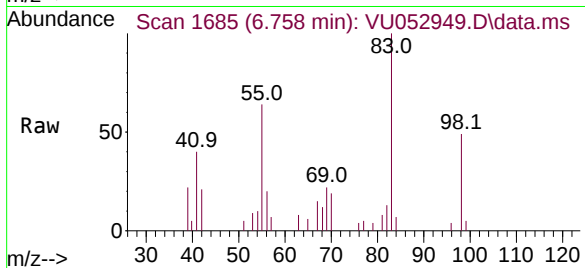
Tgt Ion: 83 Resp: 5510

Ion Ratio Lower Upper

83 100

55 65.9 57.1 85.7

98 47.0 38.9 58.3



#37

1,2-Dichloropropane

Concen: 2.382 ug/L

RT: 6.790 min Scan# 1695

Delta R.T. 0.003 min

Lab File: VU052949.D

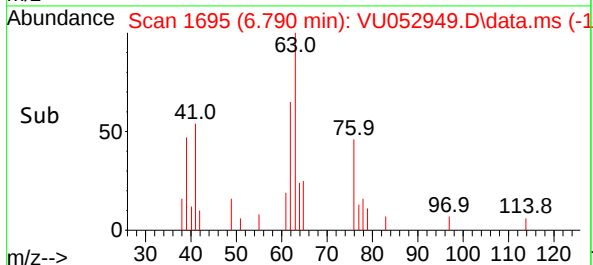
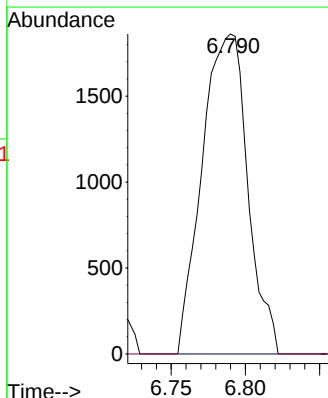
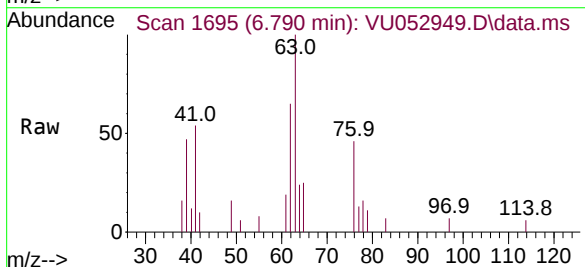
Acq: 03 Feb 2023 16:53

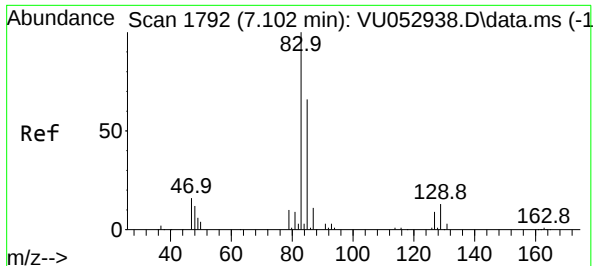
Tgt Ion: 63 Resp: 3977

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

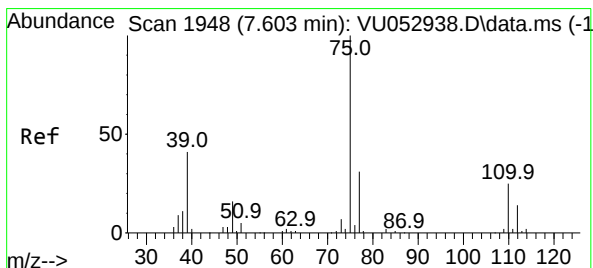
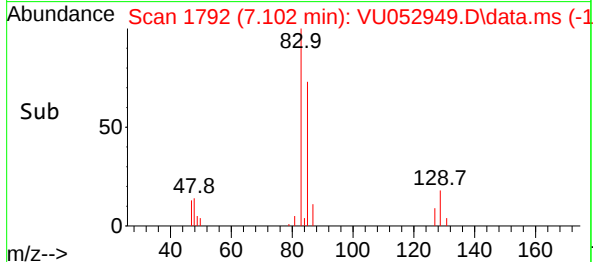
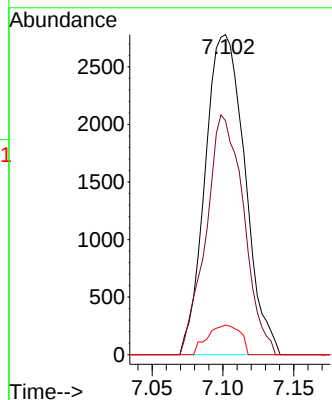
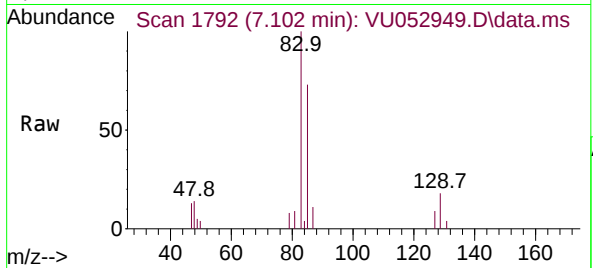




#38
Bromodichloromethane
Concen: 2.214 ug/L
RT: 7.102 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

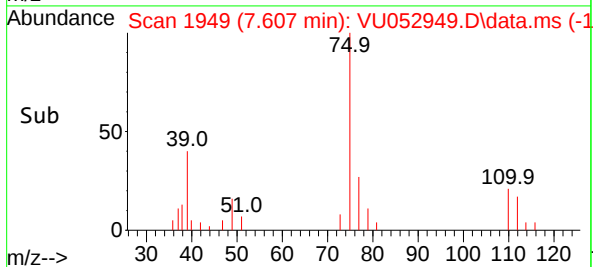
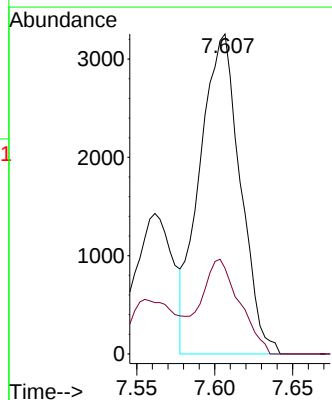
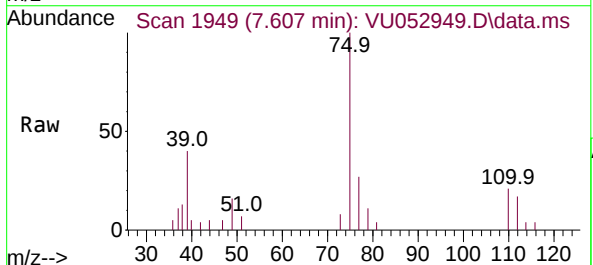
Instrument :
MSVOA_U
ClientSampleId :

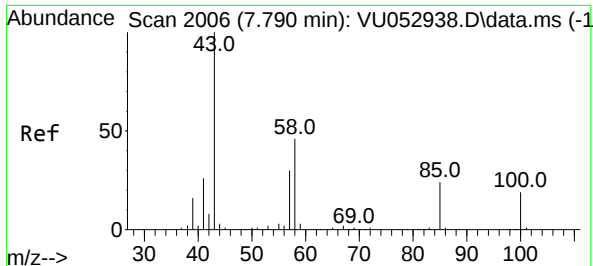
Tgt Ion: 83 Resp: 5426
Ion Ratio Lower Upper
83 100
85 73.1 45.2 84.0
127 9.3 7.4 11.0



#39
cis-1,3-Dichloropropene
Concen: 2.254 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 75 Resp: 5895
Ion Ratio Lower Upper
75 100
77 26.8 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 3.699 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

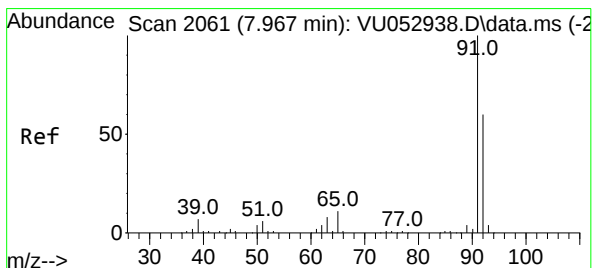
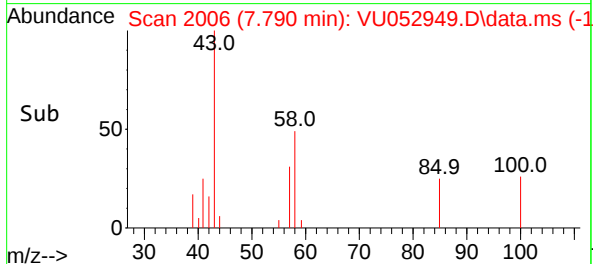
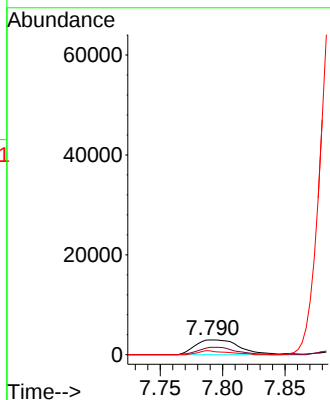
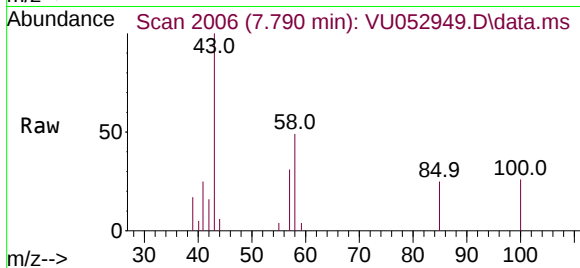
Tgt Ion: 43 Resp: 7277

Ion Ratio Lower Upper

43 100

58 42.4 35.4 53.2

100 18.2 16.0 24.0



#42

Toluene

Concen: 2.272 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052949.D

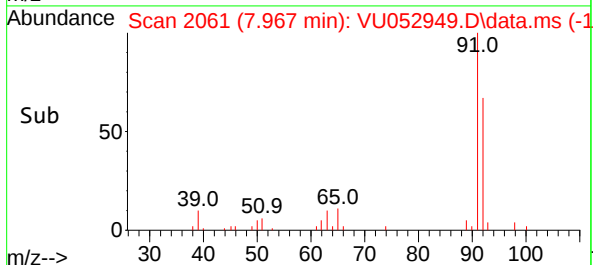
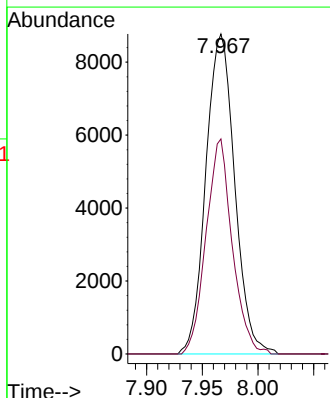
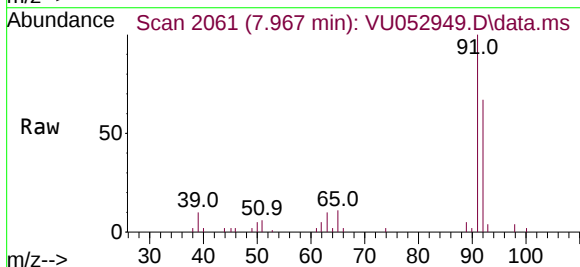
Acq: 03 Feb 2023 16:53

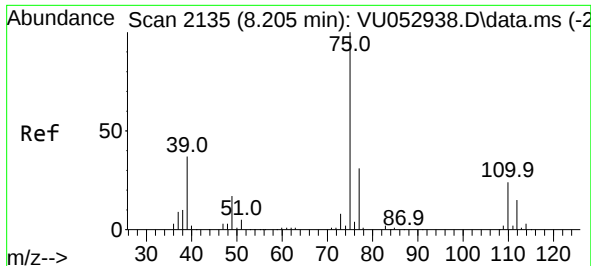
Tgt Ion: 91 Resp: 15814

Ion Ratio Lower Upper

91 100

92 67.2 42.6 79.0

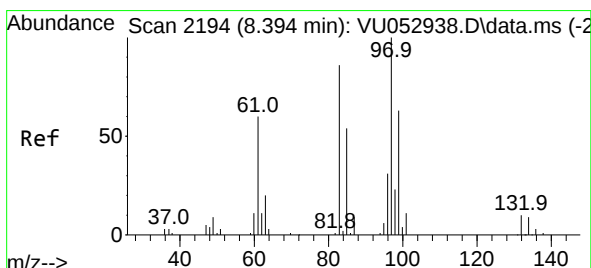
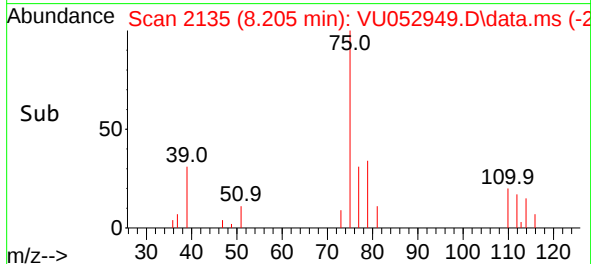
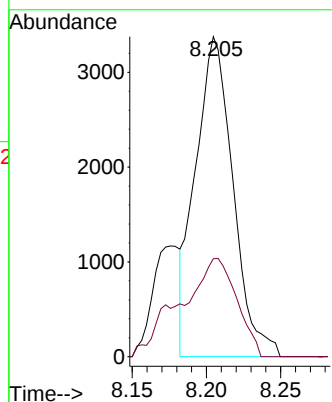
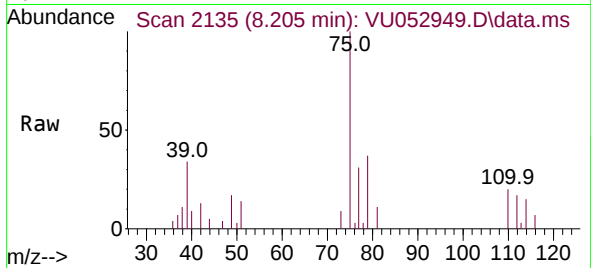




#44
trans-1,3-Dichloropropene
Concen: 2.308 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

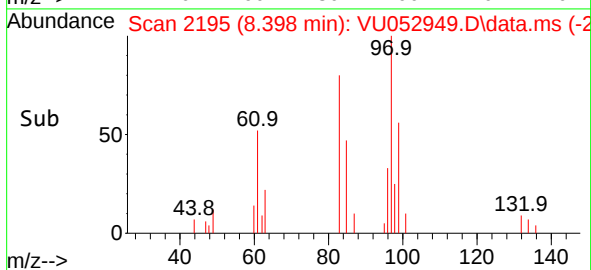
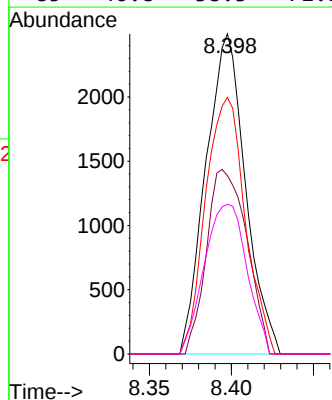
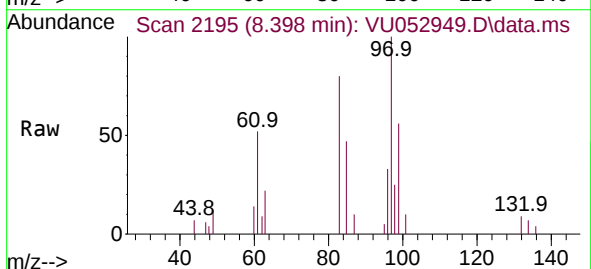
Instrument :
MSVOA_U
ClientSampleId :

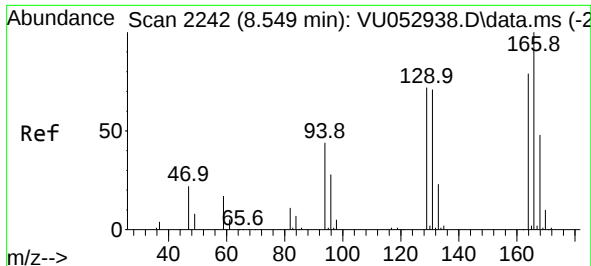
Tgt Ion: 75 Resp: 5933
Ion Ratio Lower Upper
75 100
77 30.6 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 2.445 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

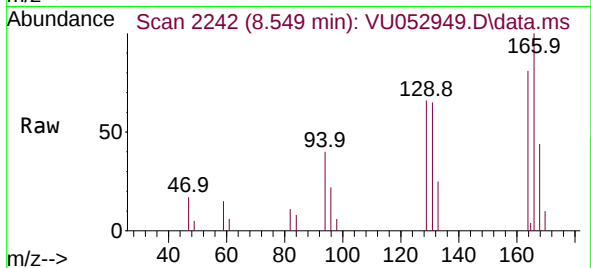
Tgt Ion: 97 Resp: 4174
Ion Ratio Lower Upper
97 100
99 55.8 44.7 83.1
83 80.2 60.3 112.1
85 46.8 38.3 71.1



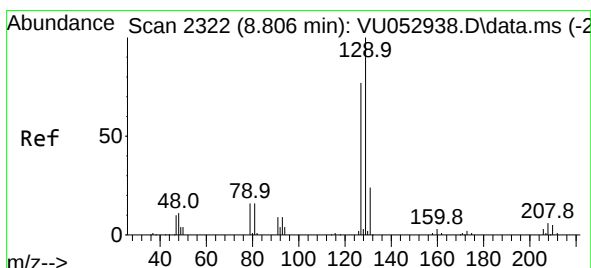
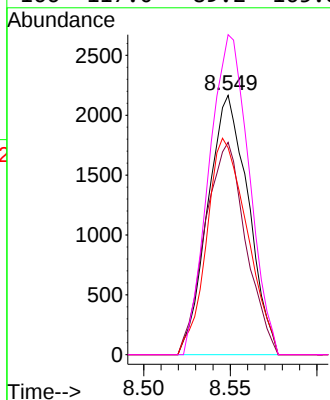
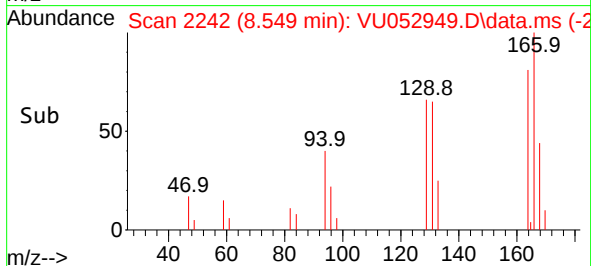


#46
Tetrachloroethene
Concen: 2.369 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :

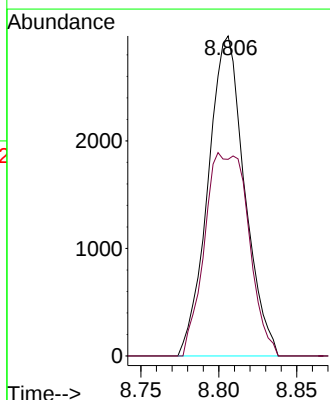
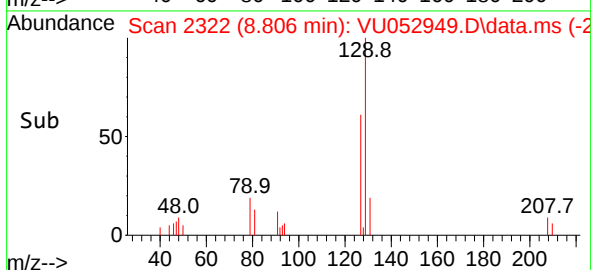
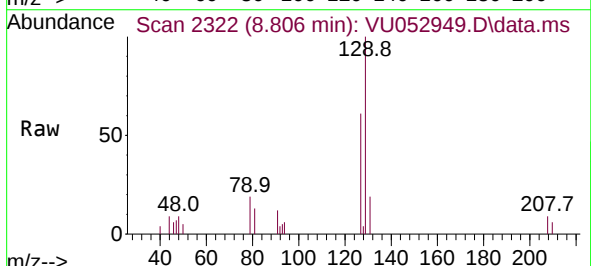


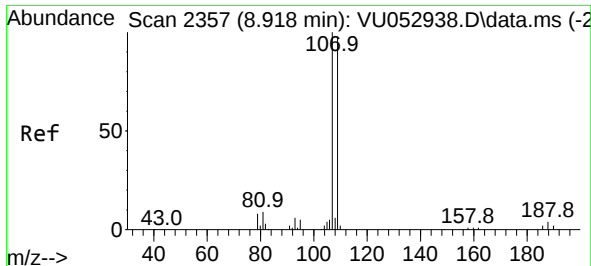
Tgt Ion:164 Resp: 3521
Ion Ratio Lower Upper
164 100
129 77.6 64.8 120.3
131 75.7 61.2 113.6
166 117.0 89.2 165.8



#49
Dibromochloromethane
Concen: 2.379 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:129 Resp: 4858
Ion Ratio Lower Upper
129 100
127 61.5 53.2 98.8





#50

1,2-Dibromoethane

Concen: 2.226 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052949.D

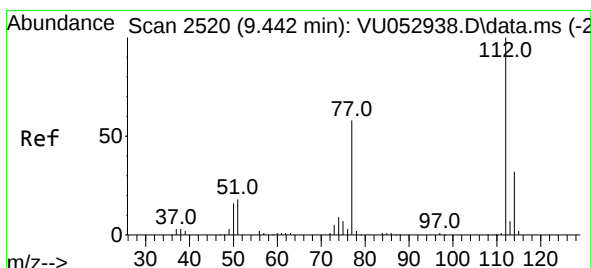
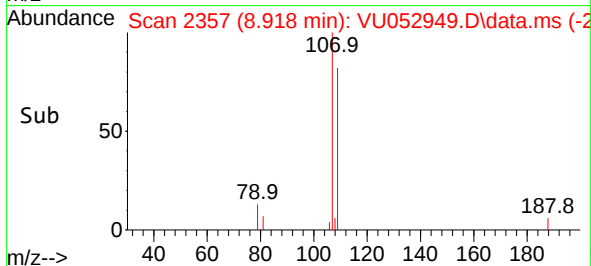
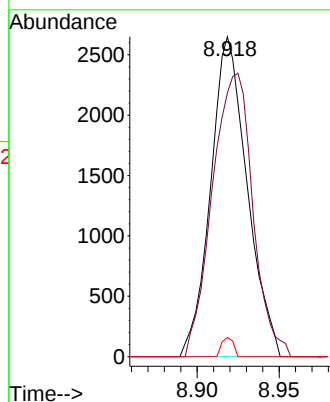
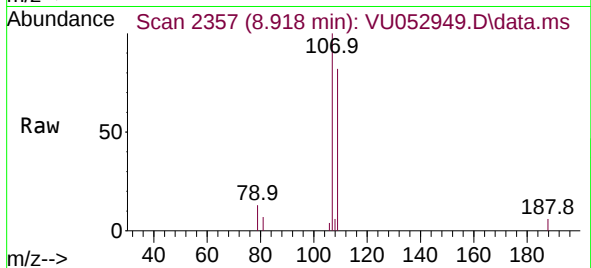
Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	4091
Ion	Ratio	Lower	Upper
107	100		
109	82.4	65.5	121.6
188	6.0	3.2	4.8#



#51

Chlorobenzene

Concen: 2.404 ug/L

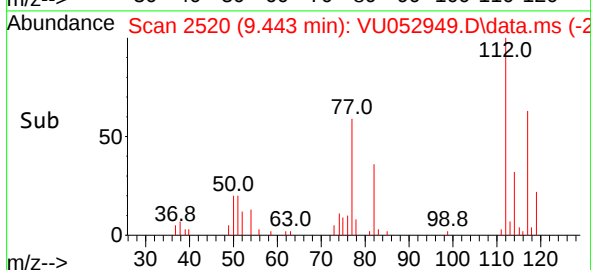
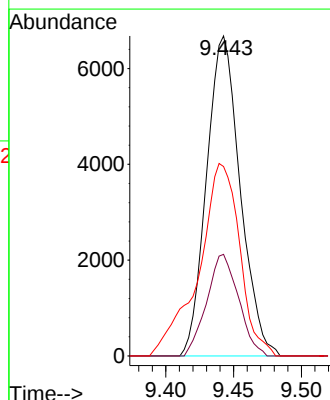
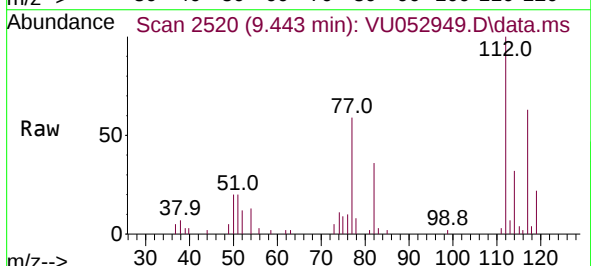
RT: 9.443 min Scan# 2520

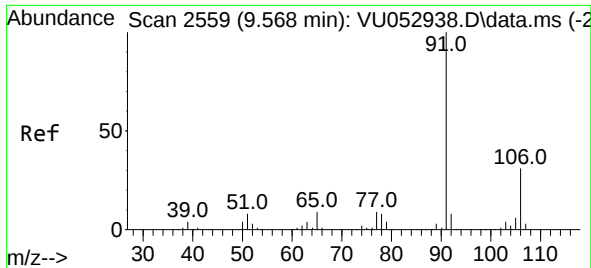
Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion:	112	Resp:	11513
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.8	42.4
77	59.2	45.9	68.9

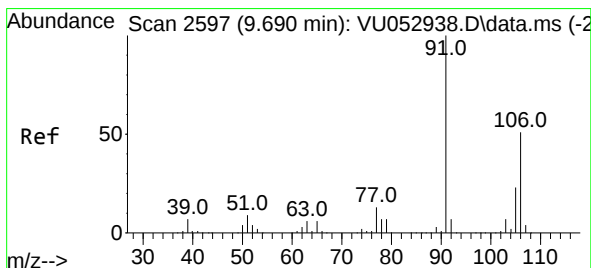
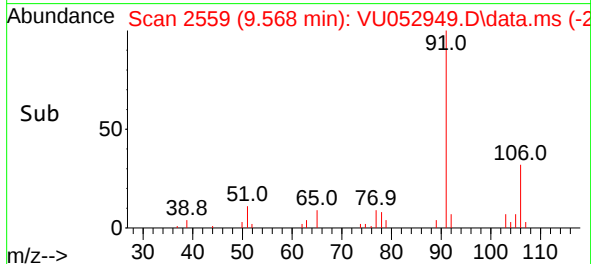
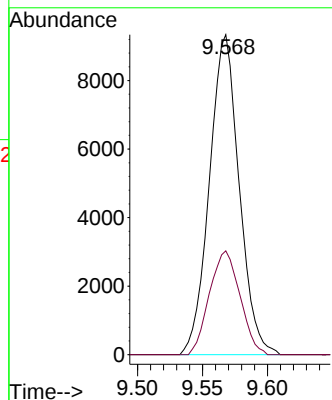
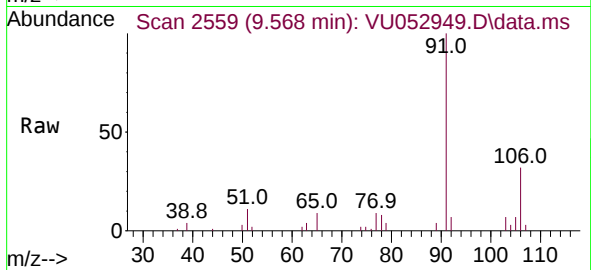




#52
Ethylbenzene
Concen: 1.999 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

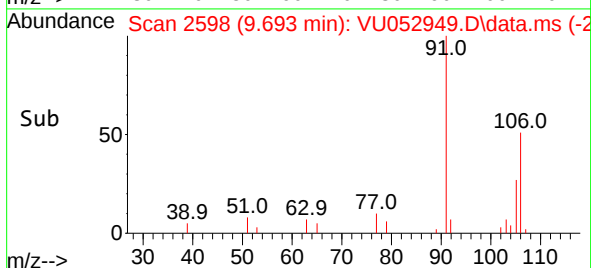
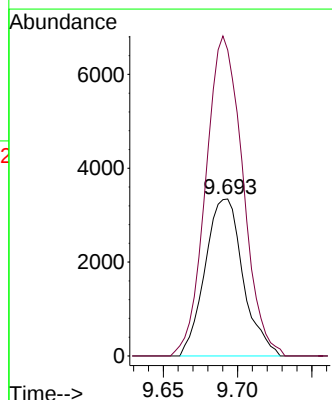
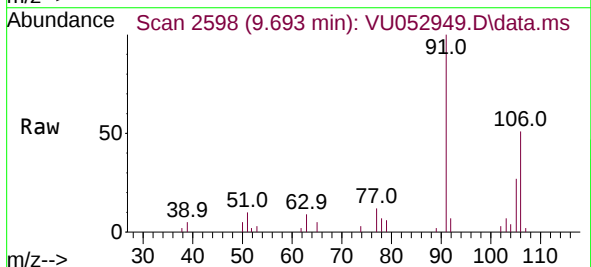
Instrument :
MSVOA_U
ClientSampleId :

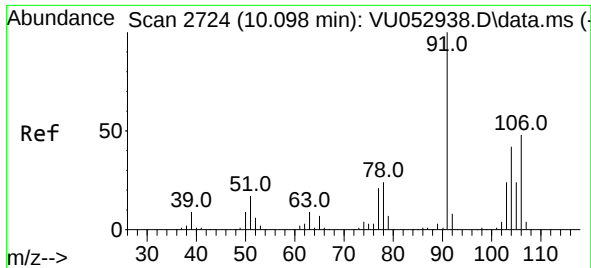
Tgt Ion: 91 Resp: 14871
Ion Ratio Lower Upper
91 100
106 32.5 22.0 40.8



#53
m,p-Xylene
Concen: 1.974 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 106 Resp: 5943
Ion Ratio Lower Upper
106 100
91 194.9 137.4 255.2

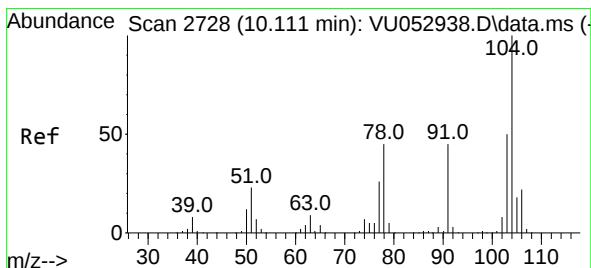
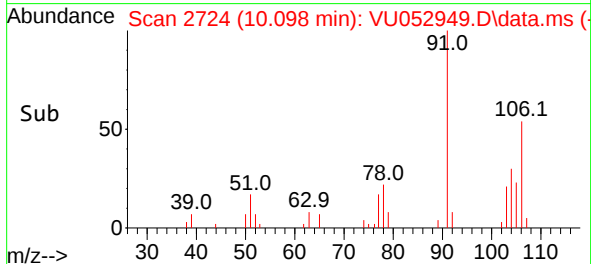
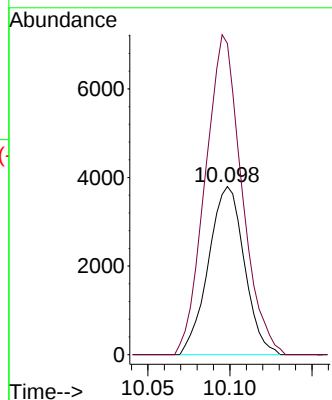
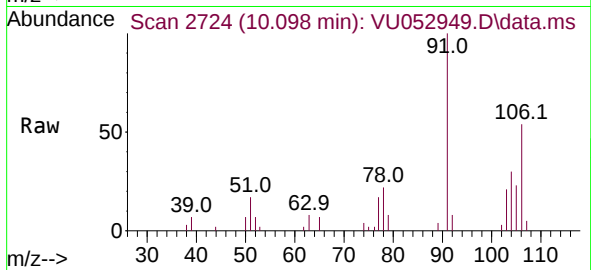




#54
o-xylene
Concen: 2.007 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

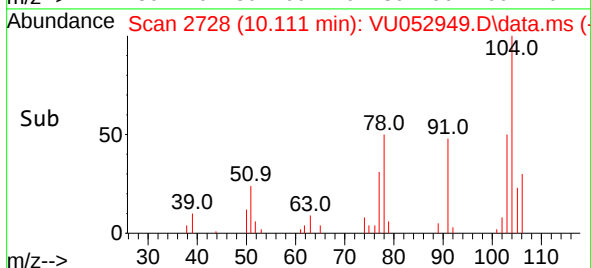
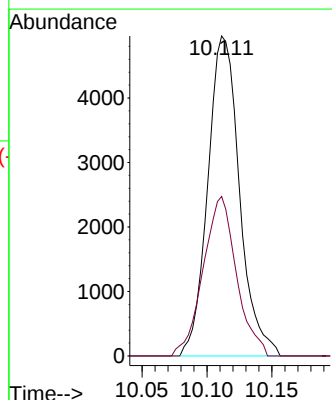
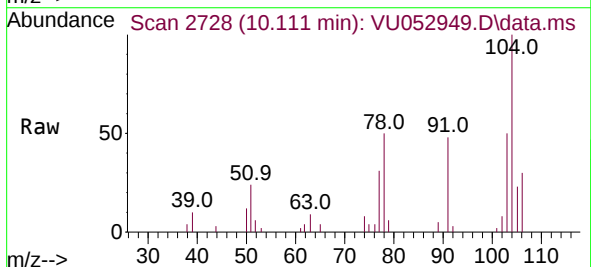
Instrument :
MSVOA_U
ClientSampleId :

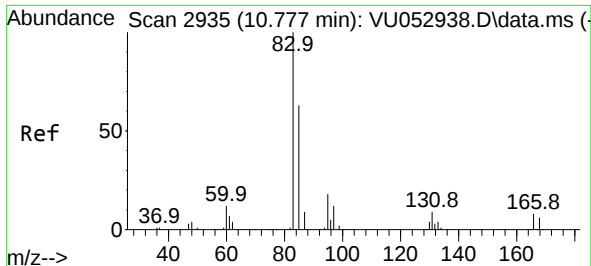
Tgt Ion:106 Resp: 5770
Ion Ratio Lower Upper
106 100
91 185.1 143.4 266.2



#55
Styrene
Concen: 1.707 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:104 Resp: 8422
Ion Ratio Lower Upper
104 100
78 49.9 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.366 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

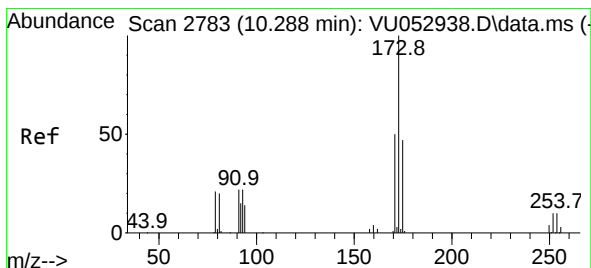
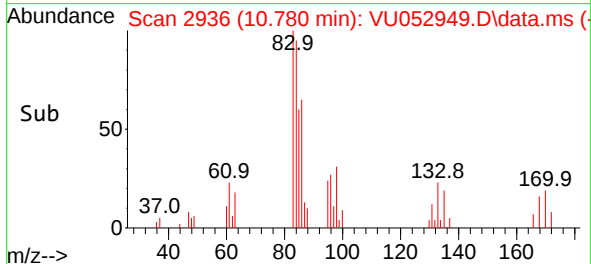
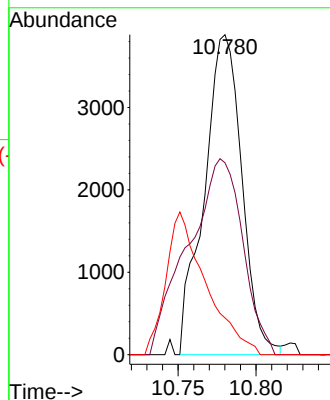
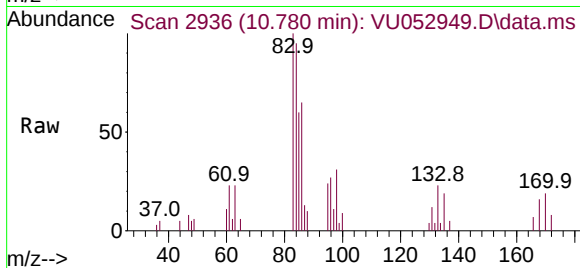
Tgt Ion: 83 Resp: 6539

Ion Ratio Lower Upper

83 100

85 60.0 45.0 83.6

131 11.5 8.6 12.8



#59

Bromoform

Concen: 2.447 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

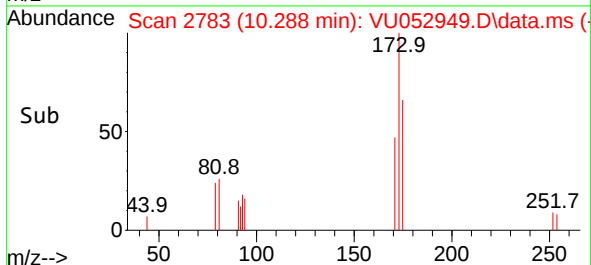
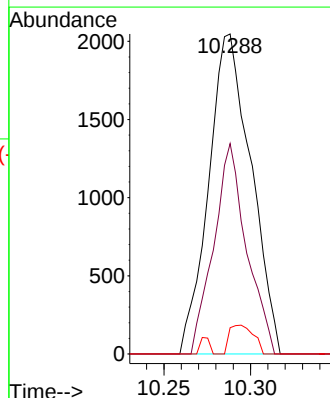
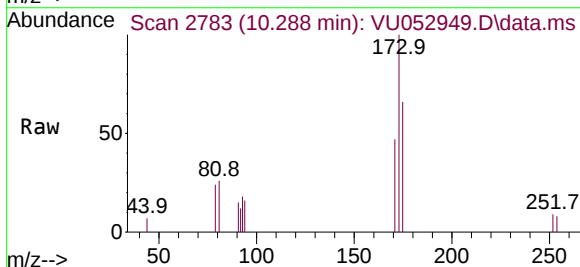
Tgt Ion:173 Resp: 3482

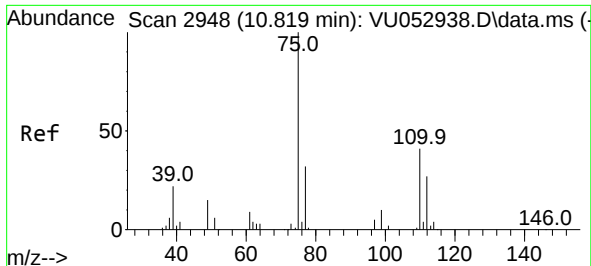
Ion Ratio Lower Upper

173 100

175 51.0 37.7 56.5

254 5.1 8.3 12.5#

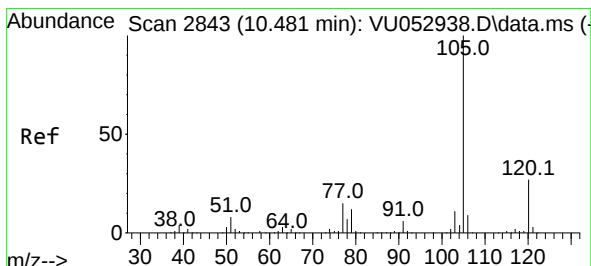
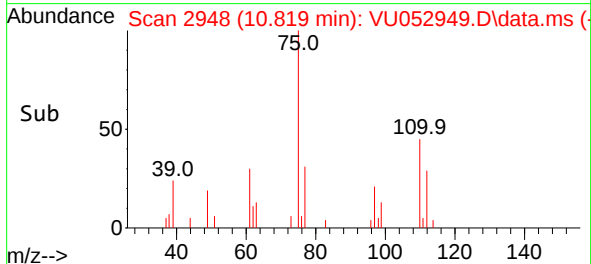
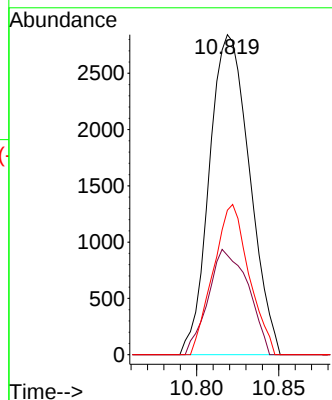
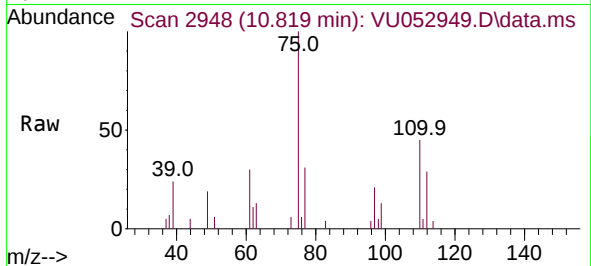




#60
 1,2,3-Trichloropropane
 Concen: 2.404 ug/L
 RT: 10.819 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU052949.D
 Acq: 03 Feb 2023 16:53

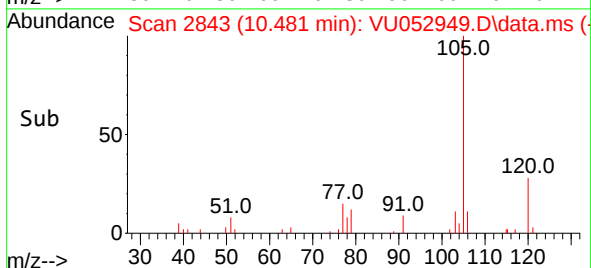
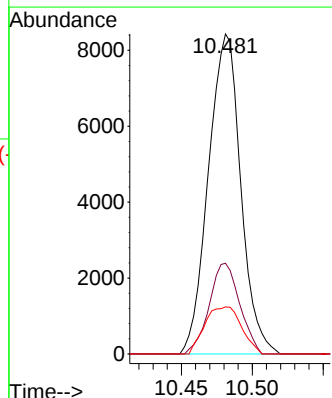
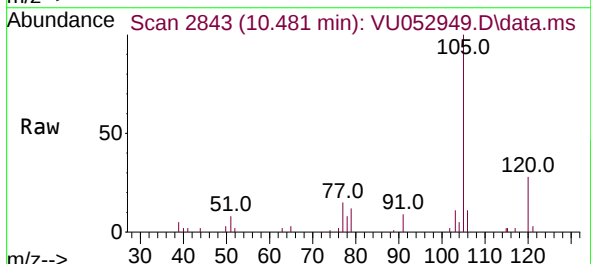
Instrument :
 MSVOA_U
 ClientSampleId :

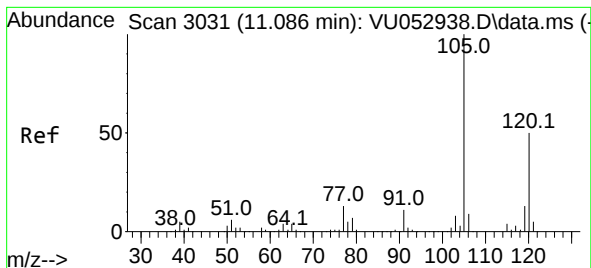
Tgt Ion:	75	Resp:	4842
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.8
110	41.7	32.4	48.6



#61
 Isopropylbenzene
 Concen: 1.996 ug/L
 RT: 10.481 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: VU052949.D
 Acq: 03 Feb 2023 16:53

Tgt Ion:	105	Resp:	13387
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.4	32.2
77	16.7	12.2	18.2





#62

1,3,5-Trimethylbenzene

Concen: 1.961 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

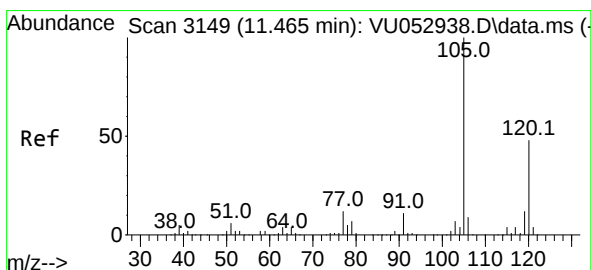
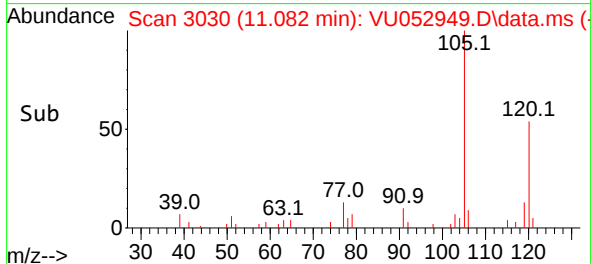
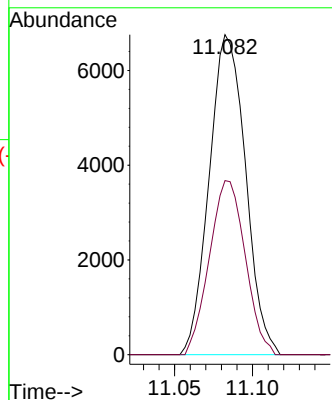
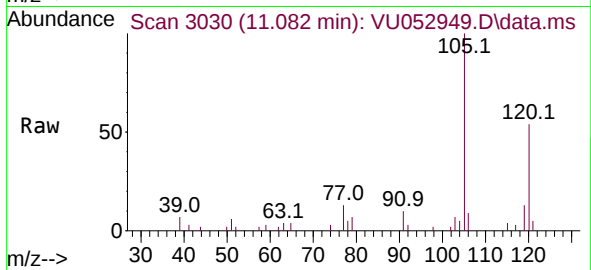
ClientSampleId :

Tgt Ion:105 Resp: 10950

Ion Ratio Lower Upper

105 100

120 53.6 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 1.877 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052949.D

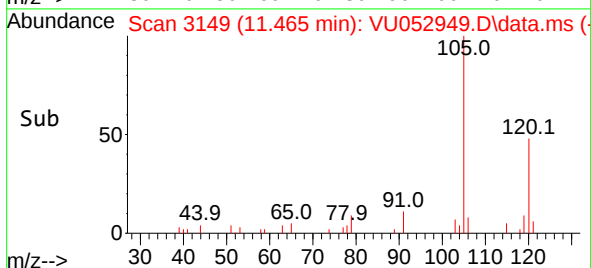
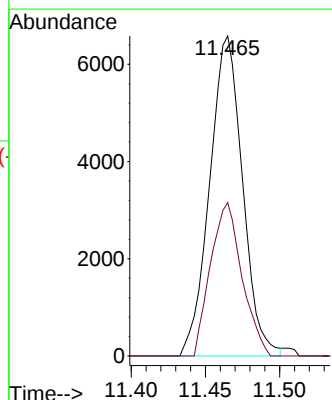
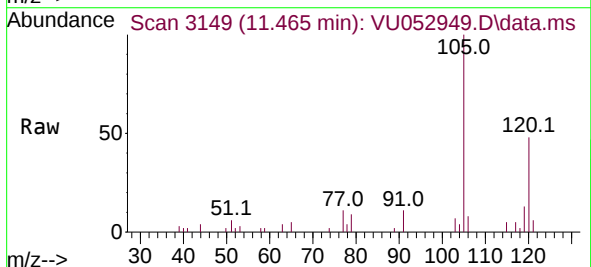
Acq: 03 Feb 2023 16:53

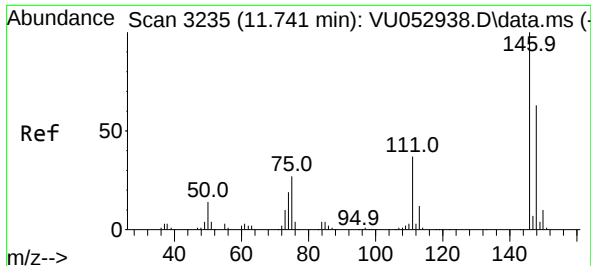
Tgt Ion:105 Resp: 10142

Ion Ratio Lower Upper

105 100

120 45.7 38.1 57.1





#64

1,3-Dichlorobenzene

Concen: 2.123 ug/L

RT: 11.741 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

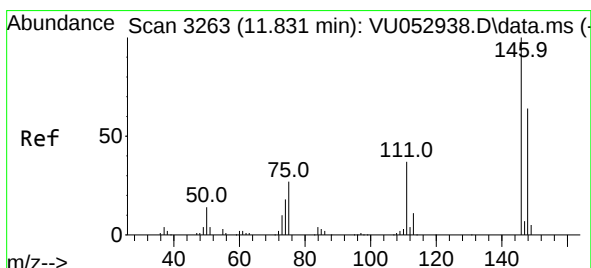
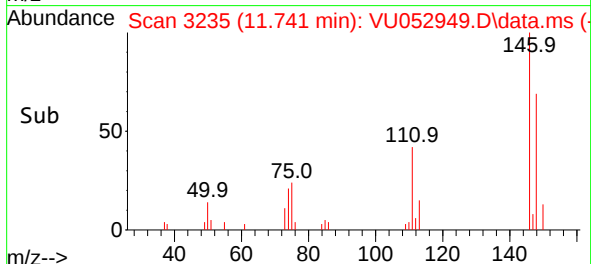
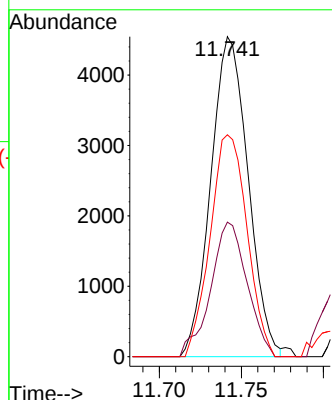
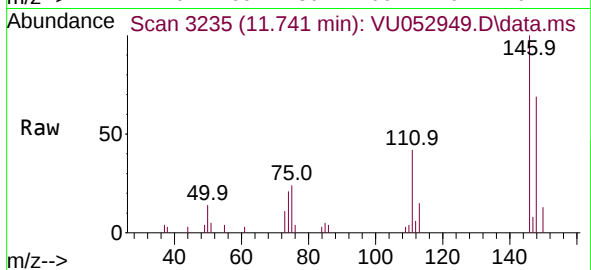
Tgt Ion:146 Resp: 7182

Ion Ratio Lower Upper

146 100

111 42.1 27.8 51.6

148 69.3 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 2.611 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

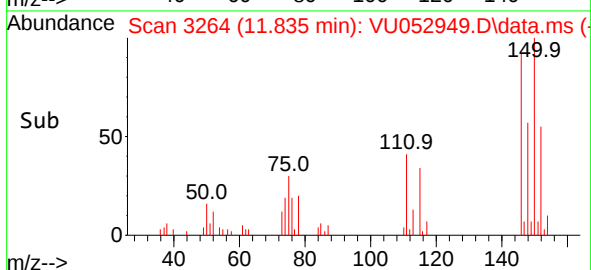
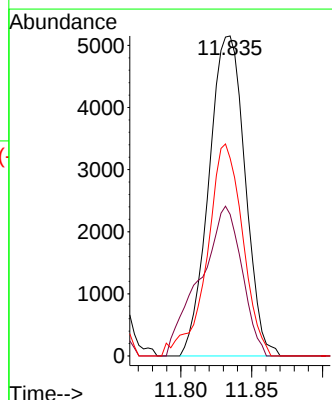
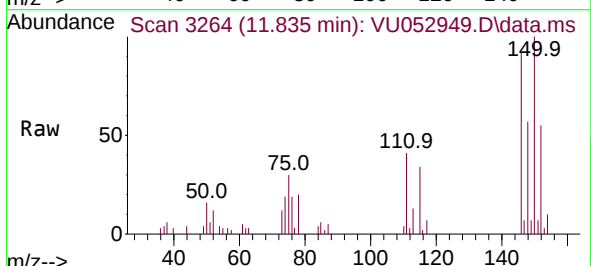
Tgt Ion:146 Resp: 9144

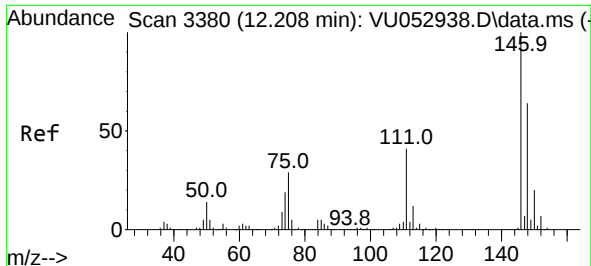
Ion Ratio Lower Upper

146 100

111 40.9 26.7 49.7

148 57.2 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 3.185 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

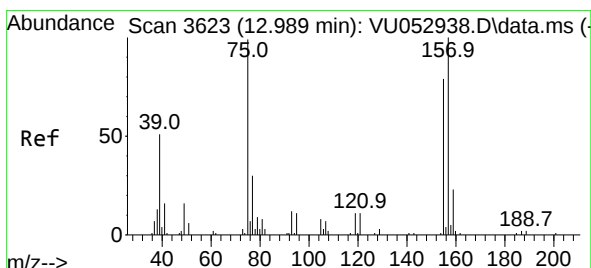
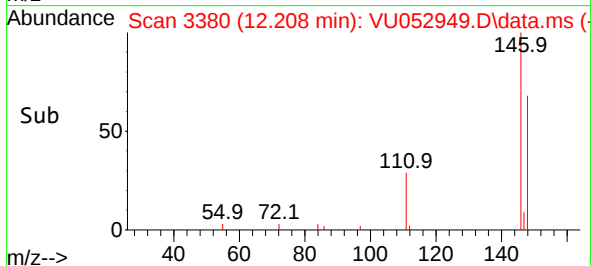
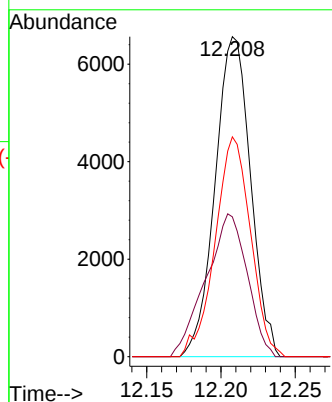
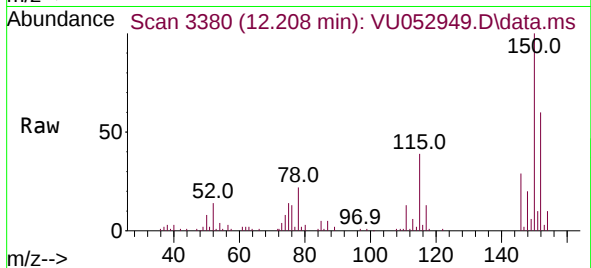
Tgt Ion:146 Resp: 10900

Ion Ratio Lower Upper

146 100

111 40.4 33.2 49.8

148 63.5 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.957 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.006 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

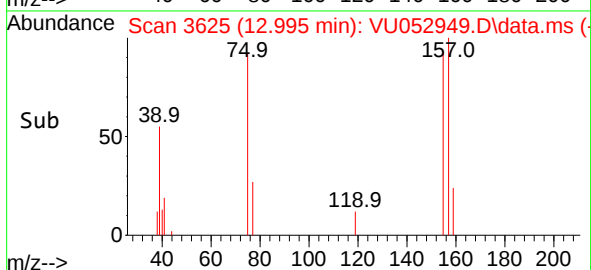
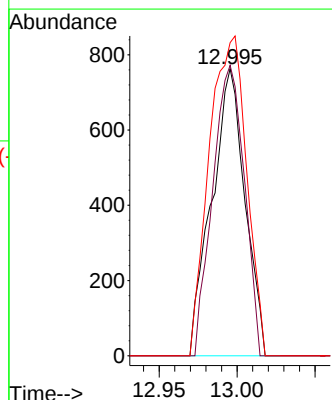
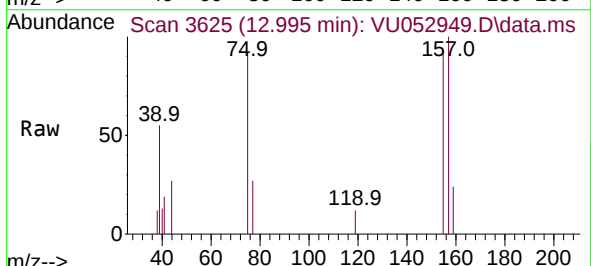
Tgt Ion: 75 Resp: 1130

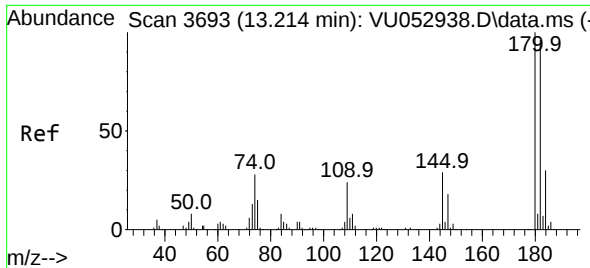
Ion Ratio Lower Upper

75 100

155 101.2 69.2 103.8

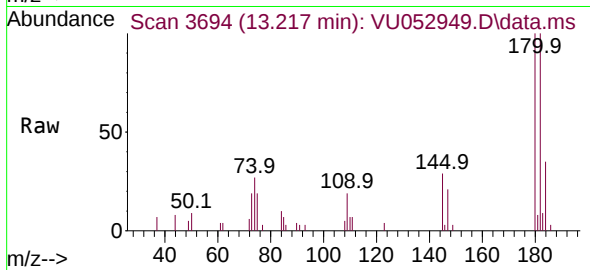
157 109.0 91.2 136.8



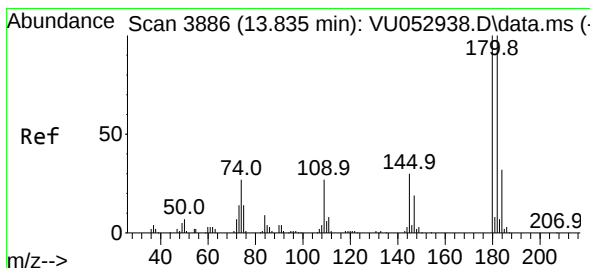
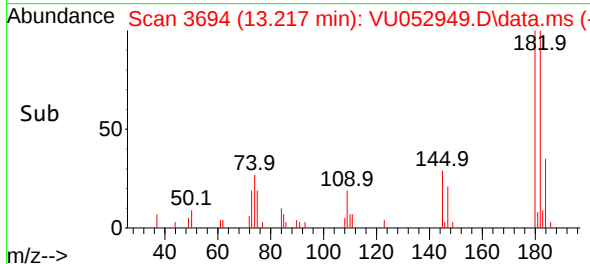
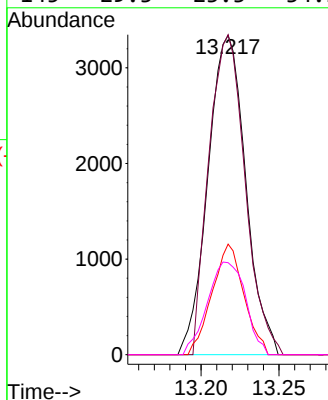


#69
1,3,5-Trichlorobenzene
Concen: 2.240 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :

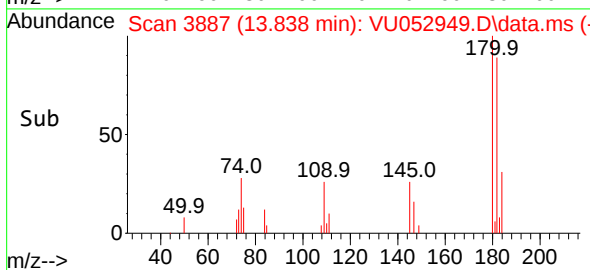
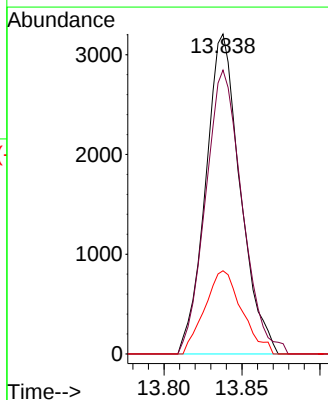
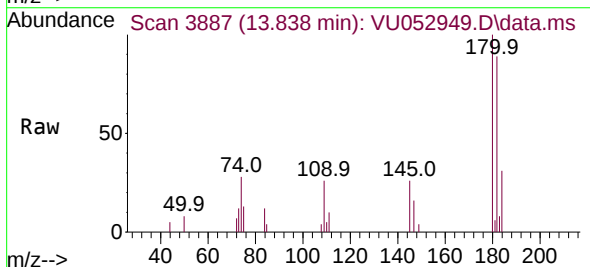


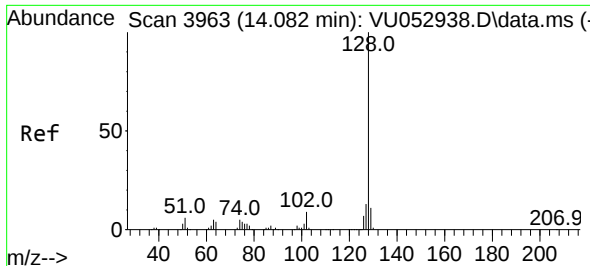
Tgt Ion:180 Resp: 5610
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.6
184 29.4 24.4 36.6
145 29.3 23.3 34.9



#70
1,2,4-trichlorobenzene
Concen: 2.353 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

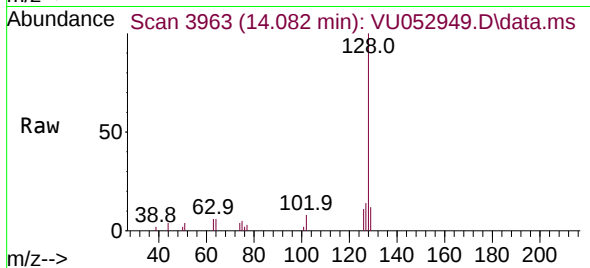
Tgt Ion:180 Resp: 4942
Ion Ratio Lower Upper
180 100
182 93.9 78.2 117.2
145 27.6 23.4 35.2



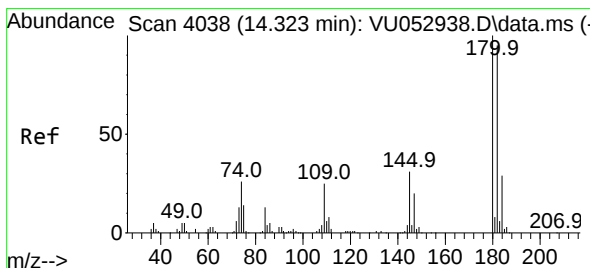
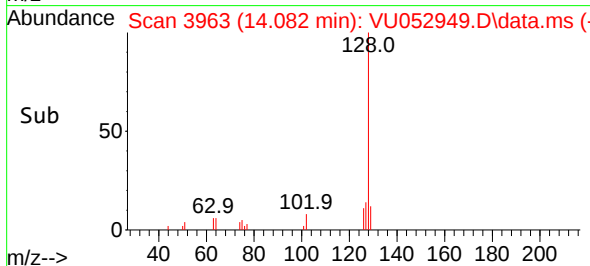
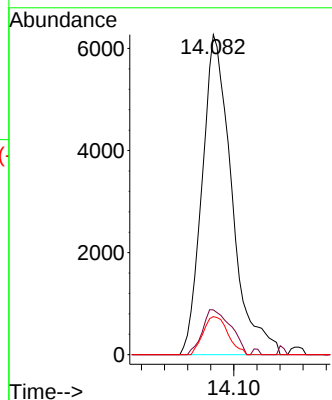


#71
Naphthalene
Concen: 1.849 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128	Resp:	11160
Ion	Ratio	Lower Upper
128	100	
127	13.4	10.3 15.5
129	10.0	8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.110 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:180	Resp:	4683
Ion	Ratio	Lower Upper
180	100	
182	94.1	77.5 116.3
145	27.1	24.2 36.4

