

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122022\
 Data File : VU052462.D
 Acq On : 20 Dec 2022 16:45
 Operator : JC/MD
 Sample : VSTD00576
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

Quant Time: Dec 21 03:24:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	177854	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	174363	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	88542	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90954	5.048	ug/L	0.00
7) Chloroethane-d5	1.916	69	76818	4.944	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	38788	5.003	ug/L	0.00
20) 2-Butanone-d5	4.652	46	268556	48.179	ug/L	0.00
24) Chloroform-d	5.060	84	151140	4.972	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	85107	4.826	ug/L	0.00
32) Benzene-d6	5.723	84	298756	4.998	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	100521	4.885	ug/L	0.00
41) Toluene-d8	7.896	98	264701	5.275	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	35920	5.098	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	191746	49.737	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	84736	4.850	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	87843	4.873	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	86334	5.455	ug/L	100
3) Chloromethane	1.520	50	114534	5.014	ug/L	100
5) Vinyl chloride	1.604	62	111137	5.367	ug/L	100
6) Bromomethane	1.858	94	60033	5.086	ug/L	100
8) Chloroethane	1.935	64	70264	4.954	ug/L	100
9) Trichlorofluoromethane	2.141	101	124383	5.313	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	74515	5.354	ug/L	100
12) 1,1-Dichloroethene	2.581	96	69804	5.241	ug/L	100
13) Acetone	2.671	43	197023	47.526	ug/L	98
14) Carbon disulfide	2.793	76	230427	5.369	ug/L	100
15) Methyl Acetate	2.964	43	43416	4.834	ug/L	100
16) Methylene chloride	3.044	84	89157	4.738	ug/L	100
17) Methyl tert-butyl Ether	3.363	73	179459	5.047	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	73303	5.340	ug/L	100
19) 1,1-Dichloroethane	3.867	63	157184	5.265	ug/L	100
21) 2-Butanone	4.726	43	310963	51.845	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	79034	5.246	ug/L	100
23) Bromochloromethane	4.973	128	37262	5.337	ug/L	100
25) Chloroform	5.083	83	147508	5.100	ug/L	100
27) 1,2-Dichloroethane	5.793	62	104051	5.207	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	116436	5.306	ug/L	100
30) Cyclohexane	5.388	56	128537	5.420	ug/L	100
31) Carbon tetrachloride	5.523	117	101938	5.286	ug/L	100
33) Benzene	5.771	78	335817	5.347	ug/L	100
34) Trichloroethene	6.539	95	76938	5.240	ug/L	100
35) Methylcyclohexane	6.761	83	122346	5.526	ug/L	100
37) 1,2-Dichloropropane	6.787	63	93282	5.323	ug/L	100
38) Bromodichloromethane	7.102	83	109940	5.154	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	115802	5.217	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	689379	53.830	ug/L	100
42) Toluene	7.967	91	337088	5.598	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	102369	5.234	ug/L	100

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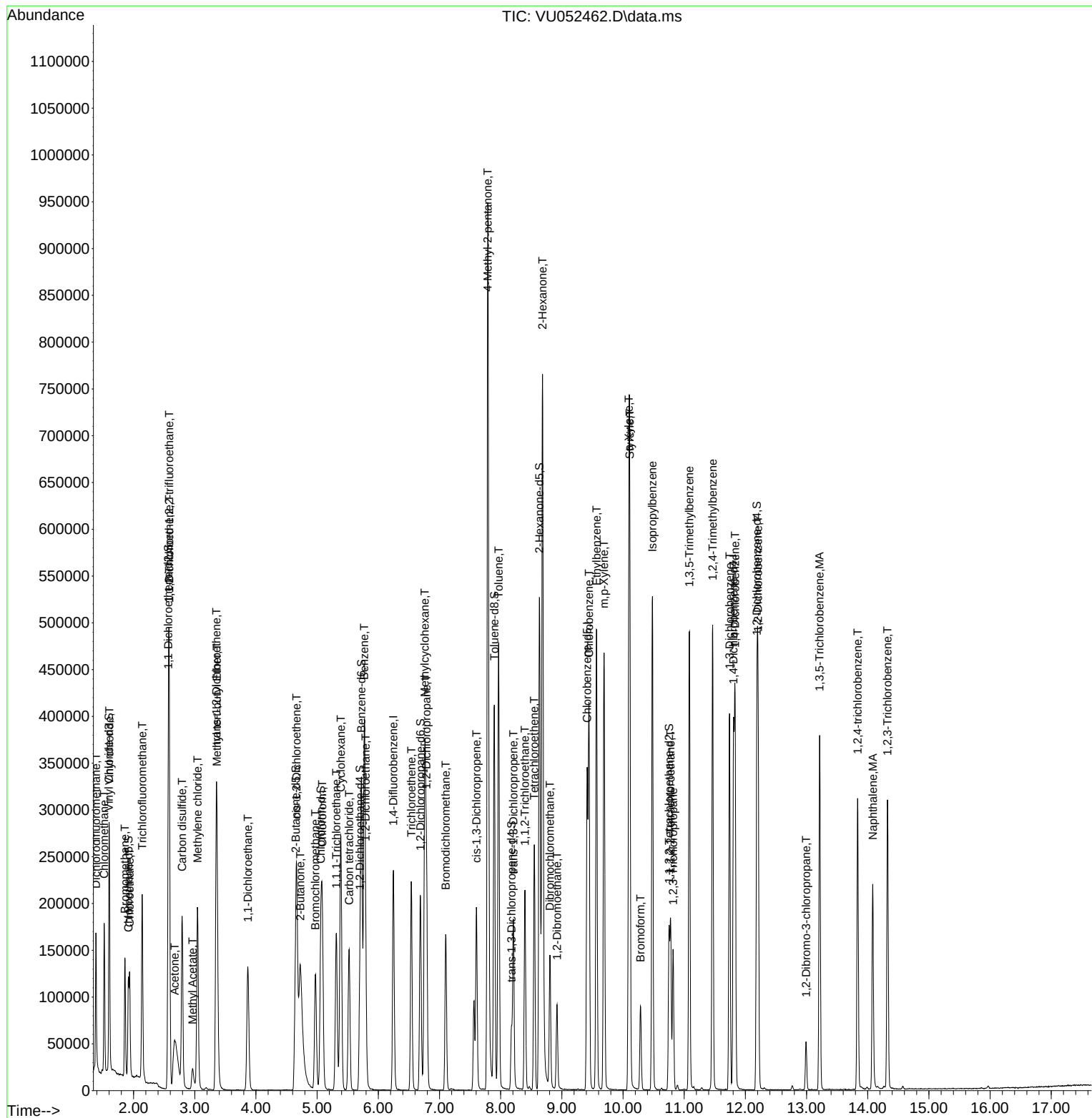
Quant Time: Dec 21 03:24:53 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
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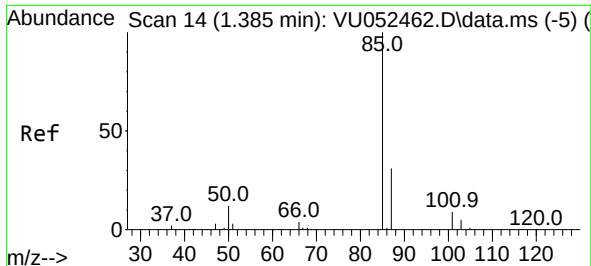
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.398	97	64009	5.157	ug/L	100
47) Tetrachloroethene	8.549	164	54783	5.345	ug/L	100
48) 2-Hexanone	8.684	43	524103	54.832	ug/L	100
49) Dibromochloromethane	8.806	129	69063	5.255	ug/L	100
50) 1,2-Dibromoethane	8.922	107	59339	5.259	ug/L	100
51) Chlorobenzene	9.443	112	205012	5.331	ug/L	100
52) Ethylbenzene	9.568	91	335617	5.386	ug/L	100
53) m,p-Xylene	9.690	106	127101	5.531	ug/L	100
54) o-Xylene	10.095	106	123024	5.585	ug/L	100
55) Styrene	10.111	104	217997	5.689	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	87749	5.114	ug/L	100
59) Bromoform	10.285	173	38547	4.955	ug/L	100
60) Isopropylbenzene	10.481	105	318799	5.555	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	63750	5.020	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	254405	5.375	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	263680	5.534	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	152647	5.361	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	154078	5.232	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	146046	5.191	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	13543	4.711	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	110072	5.250	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	89492	5.072	ug/L	100
71) Naphthalene	14.082	128	170483	4.776	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	89808	5.079	ug/L	100

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

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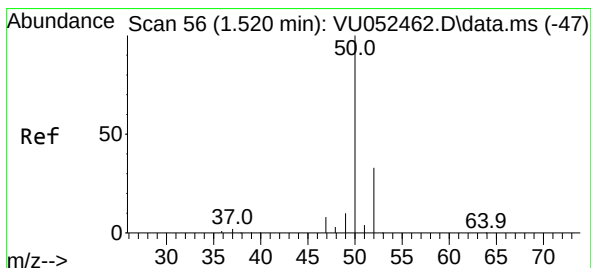
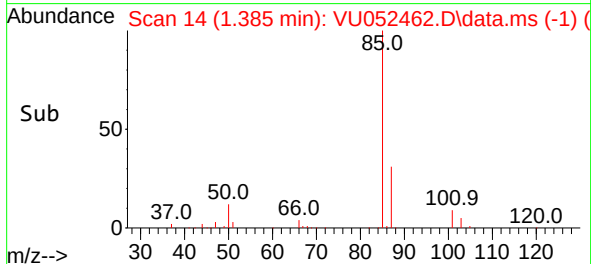
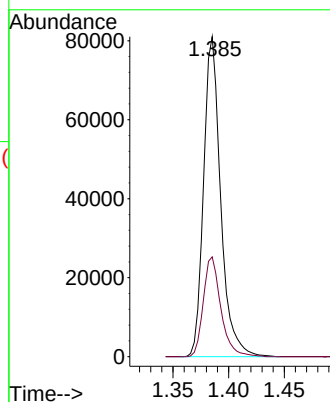
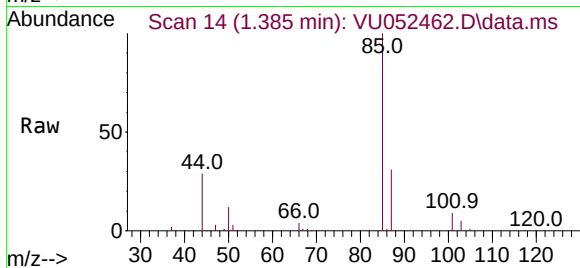




#2
Dichlorodifluoromethane
Concen: 5.455 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

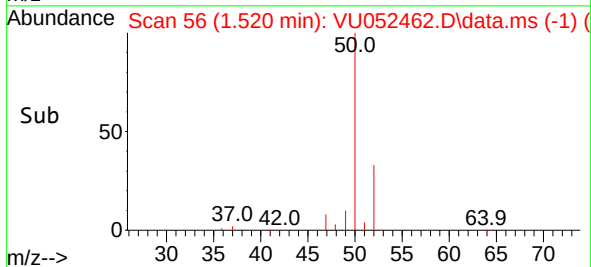
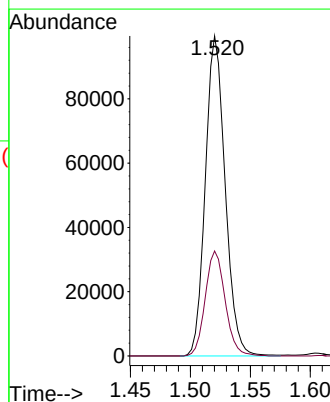
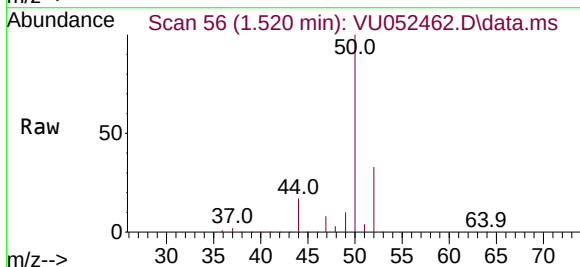
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

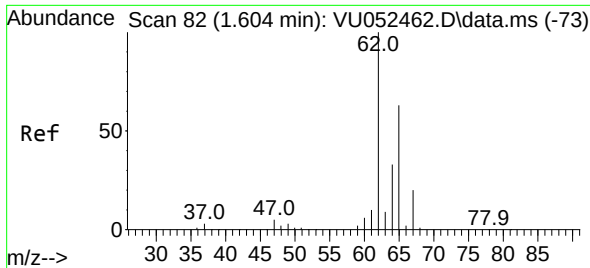
Tgt Ion: 85 Resp: 86334
Ion Ratio Lower Upper
85 100
87 32.0 25.6 38.4



#3
Chloromethane
Concen: 5.014 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 50 Resp: 114534
Ion Ratio Lower Upper
50 100
52 32.8 23.0 42.6

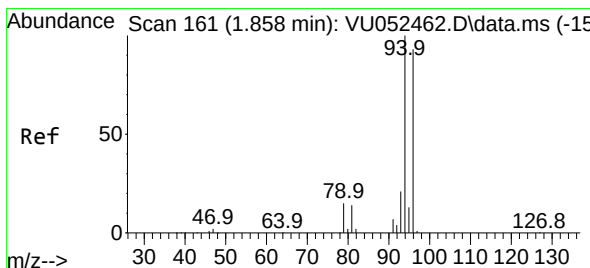
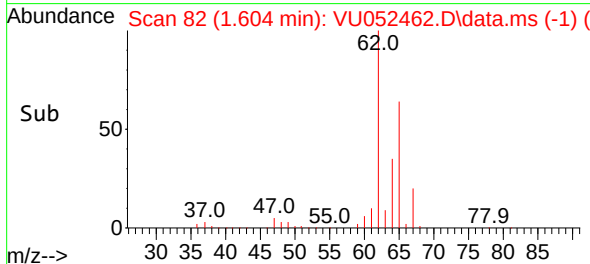
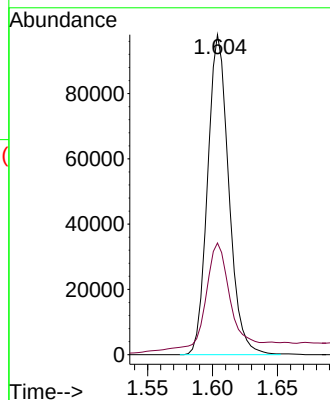
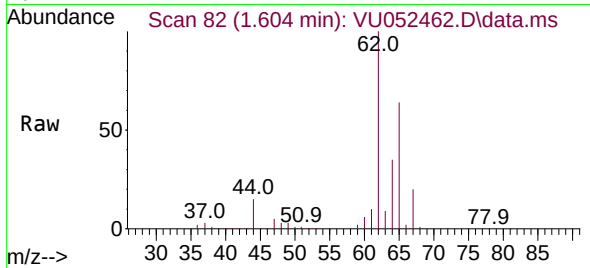




#5
 Vinyl chloride
 Concen: 5.367 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

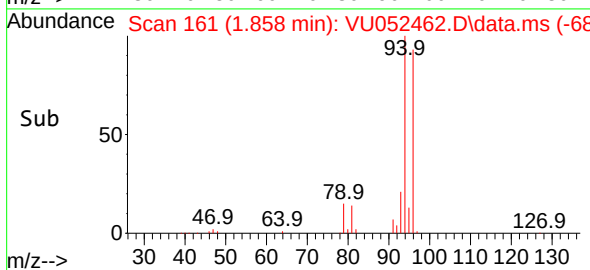
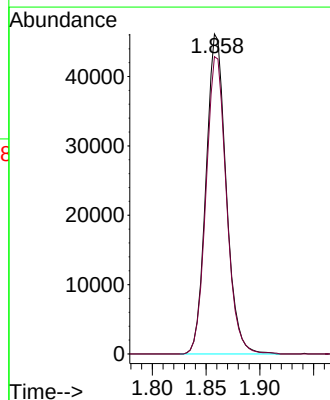
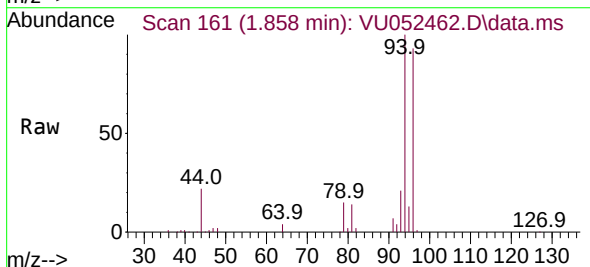
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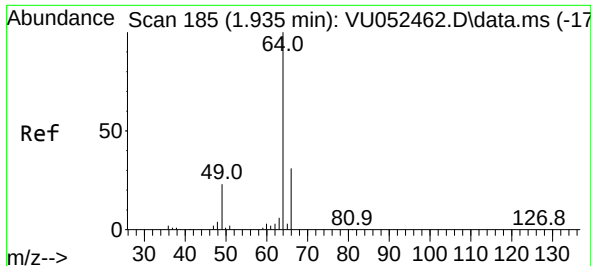
Tgt Ion: 62 Resp: 111137
 Ion Ratio Lower Upper
 62 100
 64 34.9 24.4 45.4



#6
 Bromomethane
 Concen: 5.086 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

Tgt Ion: 94 Resp: 60033
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.0 120.8

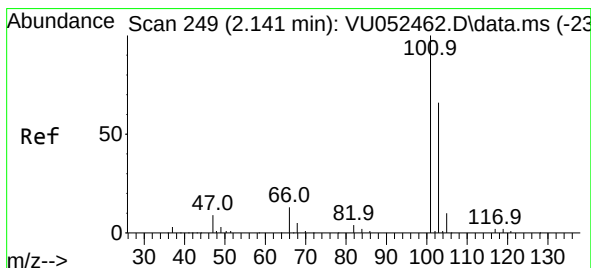
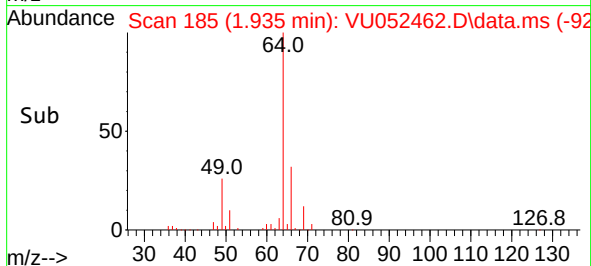
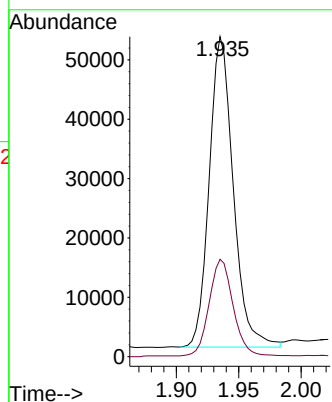
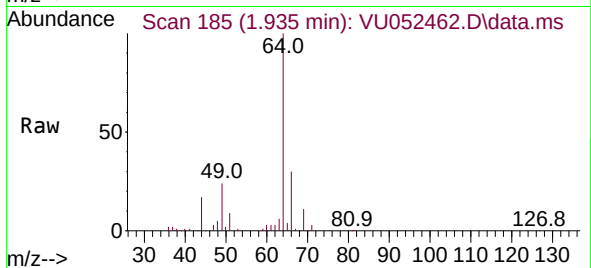




#8
Chloroethane
Concen: 4.954 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

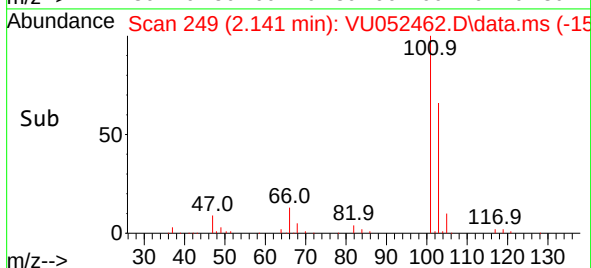
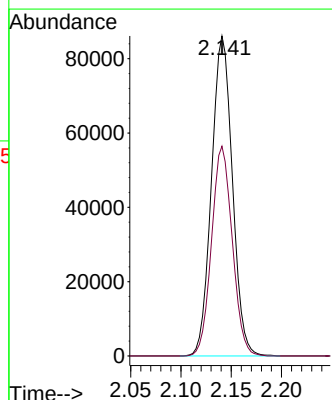
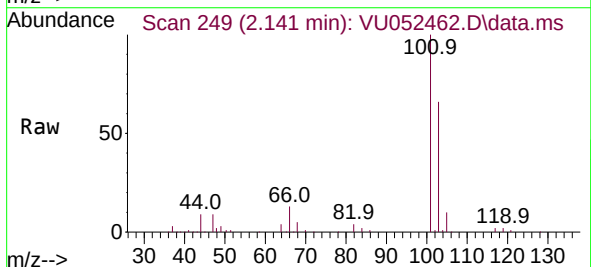
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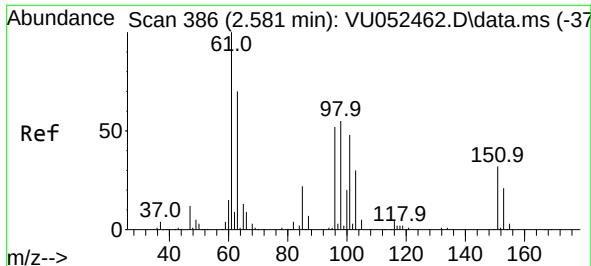
Tgt Ion: 64 Resp: 70264
Ion Ratio Lower Upper
64 100
66 30.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.313 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 101 Resp: 124383
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

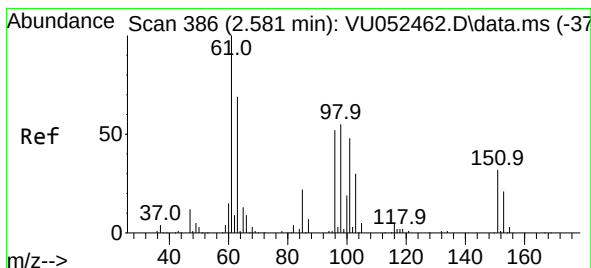
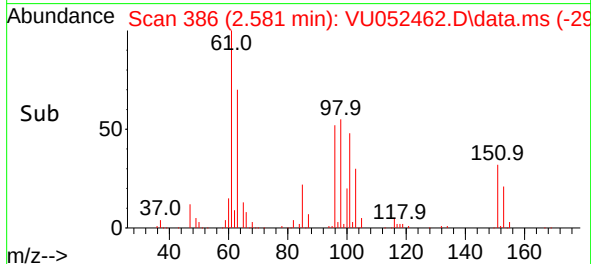
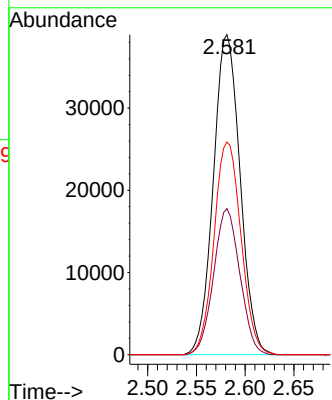
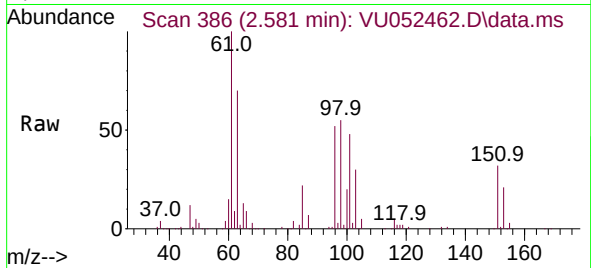




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.354 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

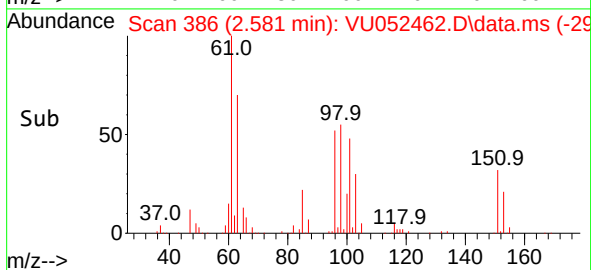
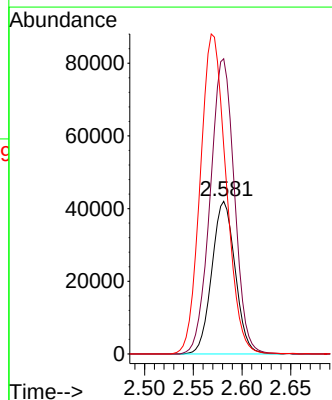
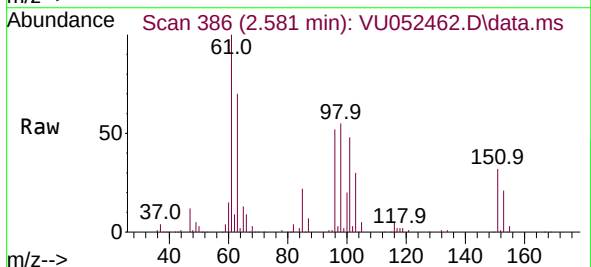
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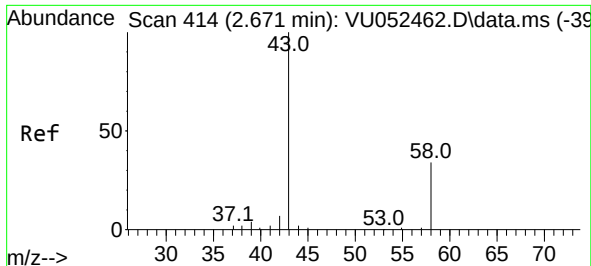
Tgt Ion: 101 Resp: 74515
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.8 53.6
 151 67.0 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 5.241 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

Tgt Ion: 96 Resp: 69804
 Ion Ratio Lower Upper
 96 100
 61 193.4 135.4 251.4
 63 136.3 95.4 177.2





#13

Acetone

Concen: 47.526 ug/L

RT: 2.671 min Scan# 414

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

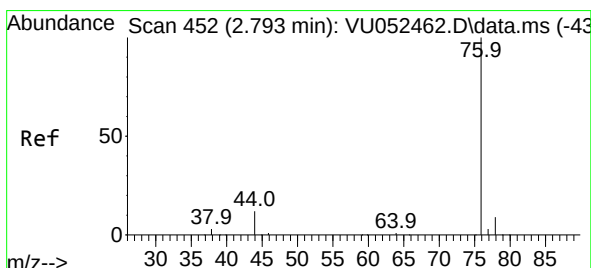
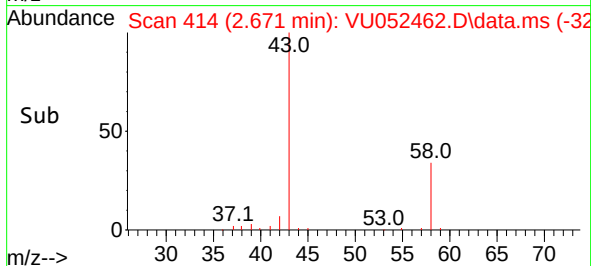
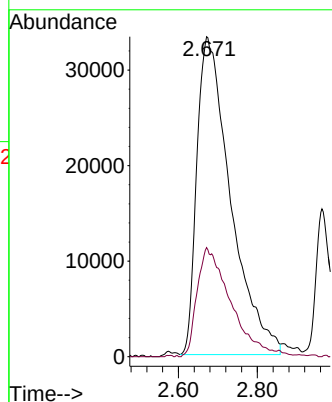
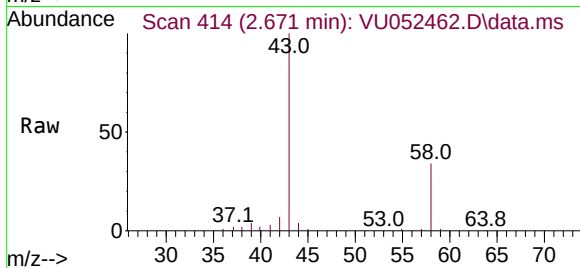
VSTD005076

Tgt Ion: 43 Resp: 197023

Ion Ratio Lower Upper

43 100

58 33.8 0.0 65.4



#14

Carbon disulfide

Concen: 5.369 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052462.D

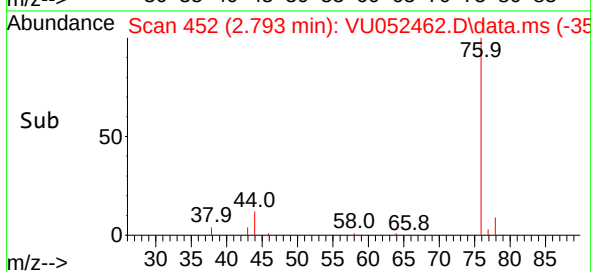
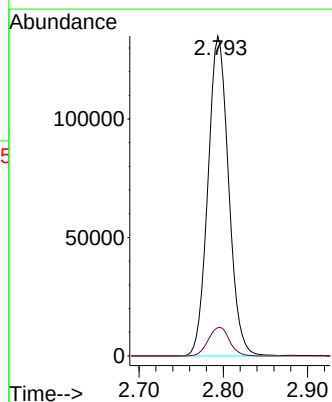
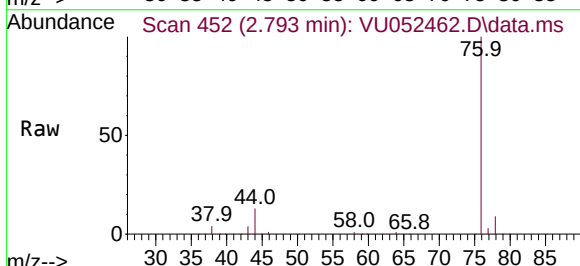
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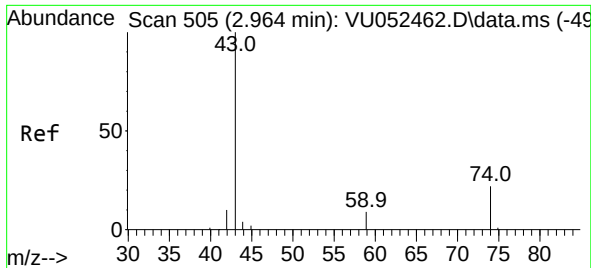
Tgt Ion: 76 Resp: 230427

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

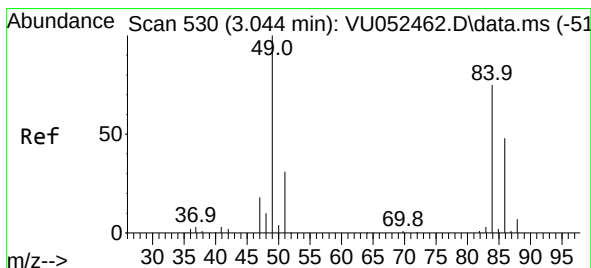
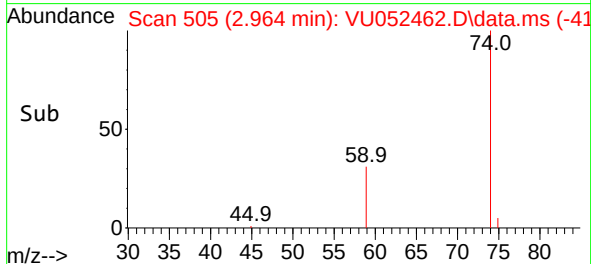
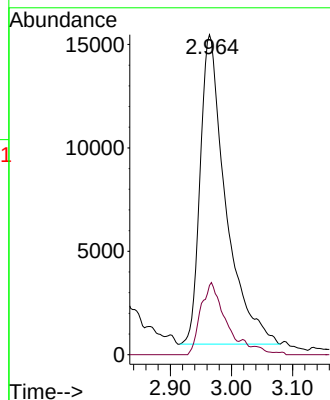
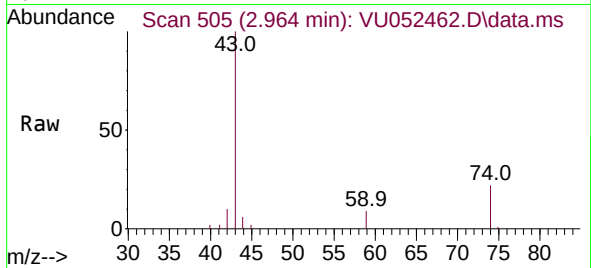




#15
Methyl Acetate
Concen: 4.834 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

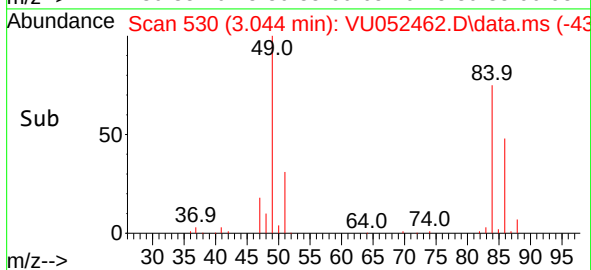
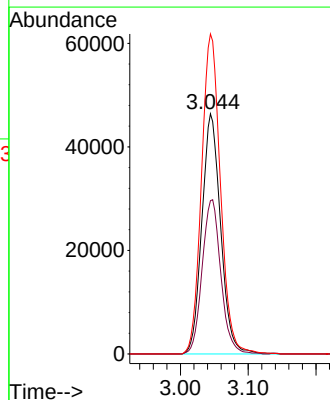
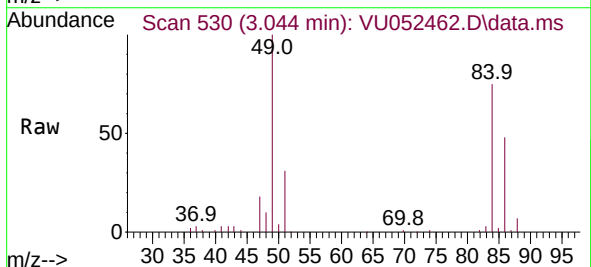
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

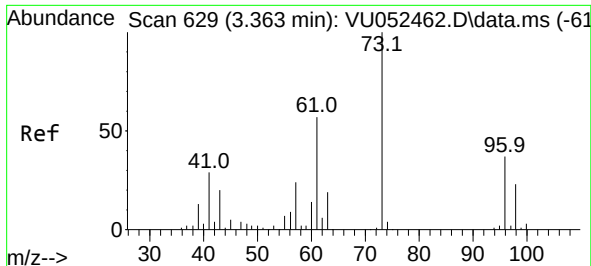
Tgt Ion: 43 Resp: 43416
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 4.738 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 84 Resp: 89157
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 133.3 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.047 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

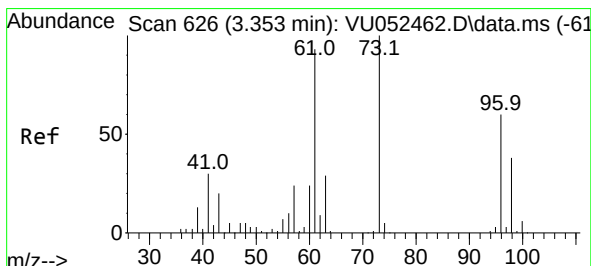
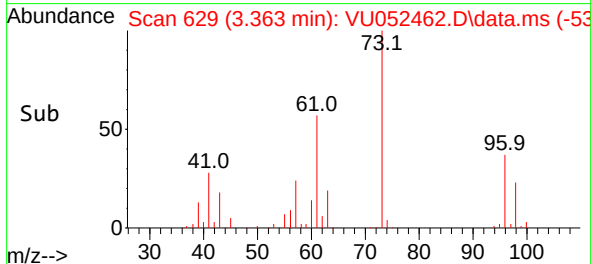
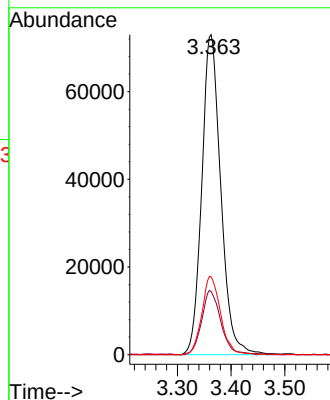
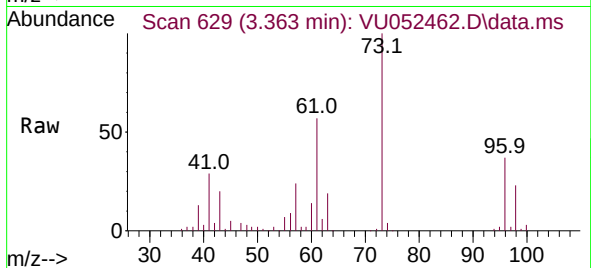
Tgt Ion: 73 Resp: 179459

Ion Ratio Lower Upper

73 100

43 20.1 16.1 24.1

57 24.0 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 5.340 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

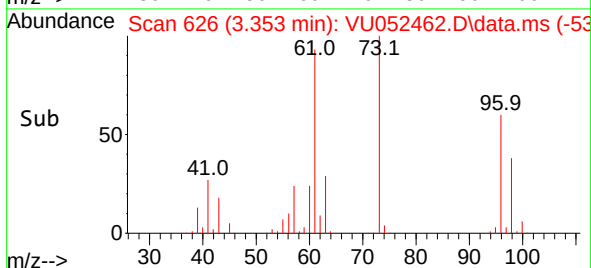
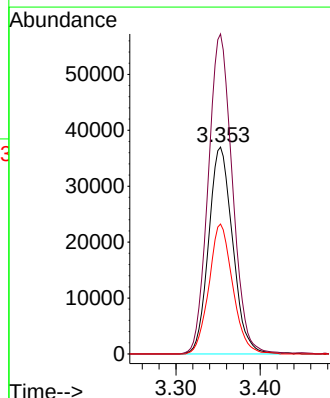
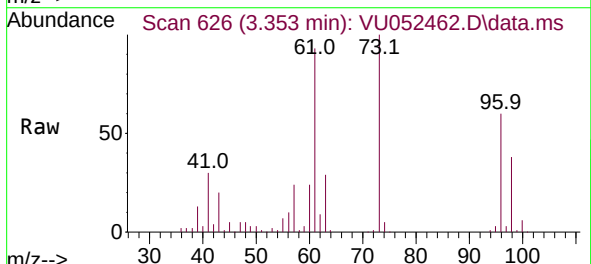
Tgt Ion: 96 Resp: 73303

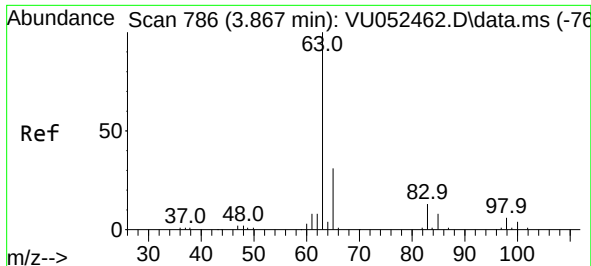
Ion Ratio Lower Upper

96 100

61 154.7 108.3 201.1

98 62.8 44.0 81.6

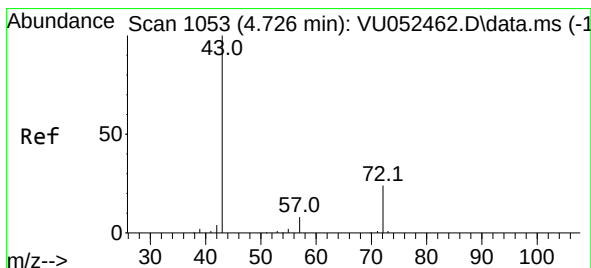
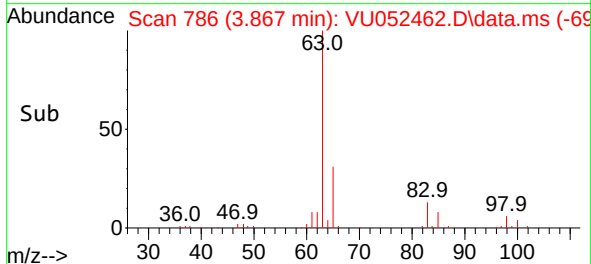
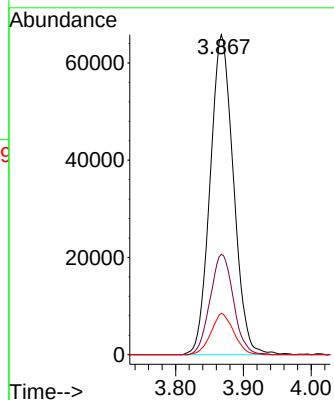
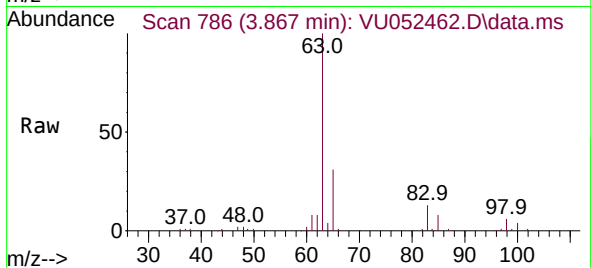




#19
1,1-Dichloroethane
Concen: 5.265 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

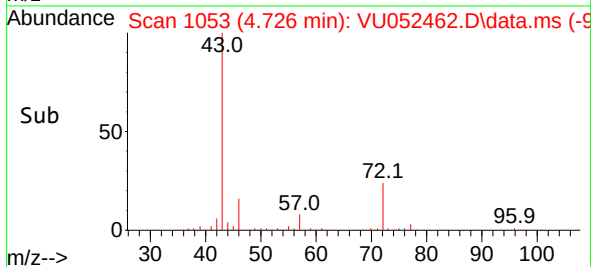
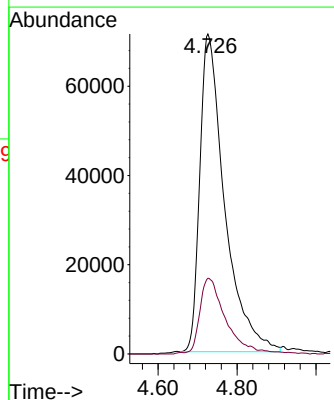
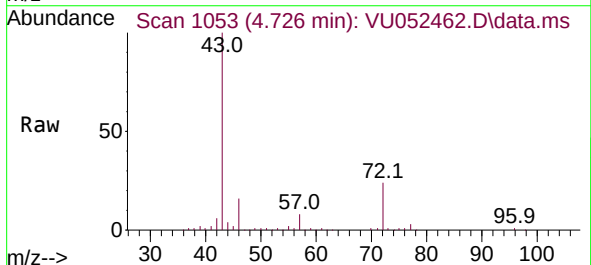
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

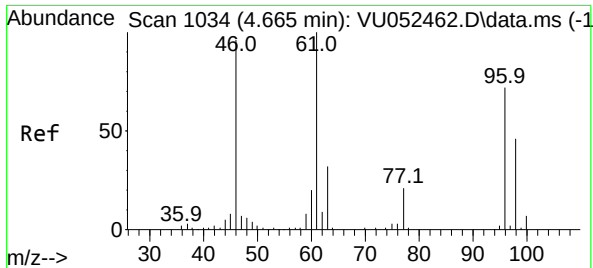
Tgt Ion: 63 Resp: 157184
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 12.9 9.0 16.8



#21
2-Butanone
Concen: 51.845 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 43 Resp: 310963
Ion Ratio Lower Upper
43 100
72 23.1 11.6 34.7

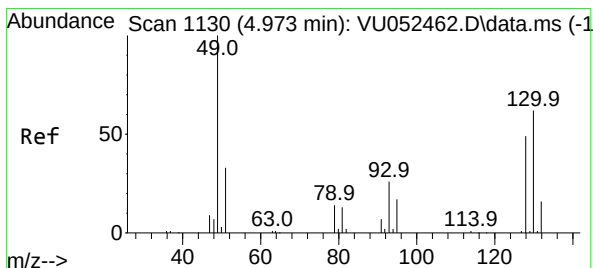
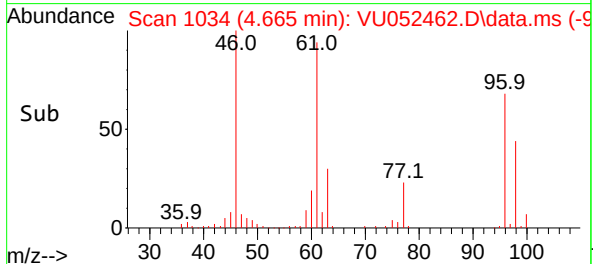
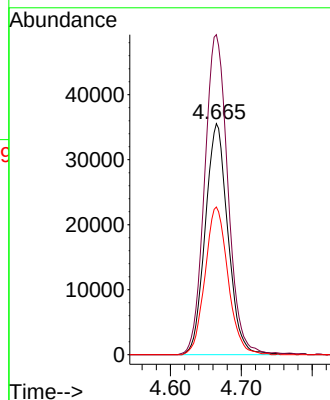
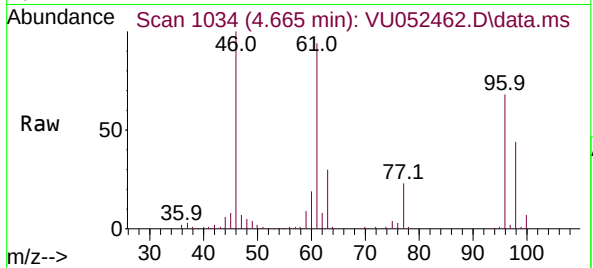




#22
 cis-1,2-Dichloroethene
 Concen: 5.246 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

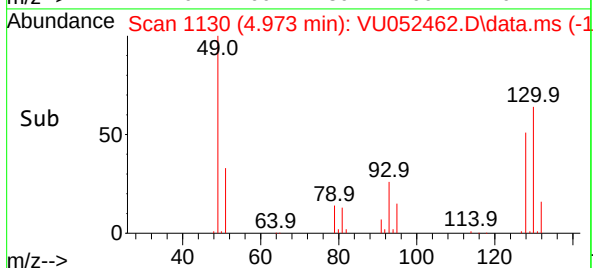
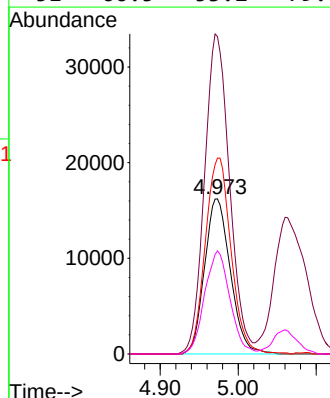
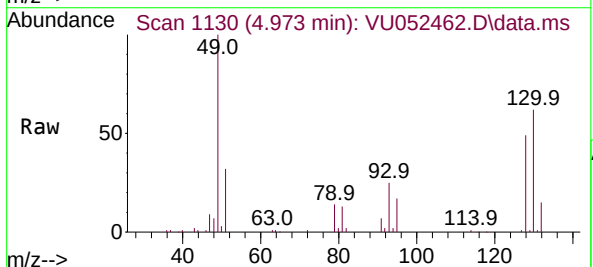
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

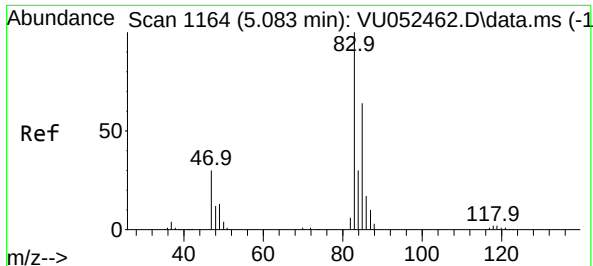
Tgt Ion: 96	Resp:	79034
Ion	Ratio	Lower Upper
96	100	
61	138.5	96.9 180.1
98	63.9	44.7 83.1



#23
 Bromochloromethane
 Concen: 5.337 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

Tgt Ion: 128	Resp:	37262
Ion	Ratio	Lower Upper
128	100	
49	204.7	143.3 266.1
130	126.3	88.4 164.2
51	66.5	53.2 79.8





#25

Chloroform

Concen: 5.100 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

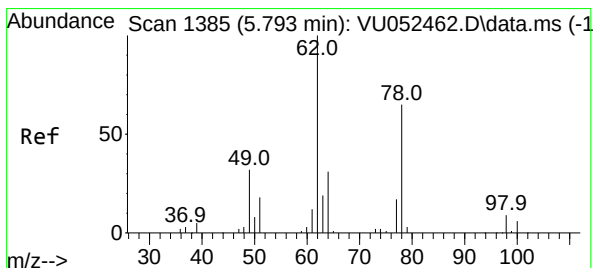
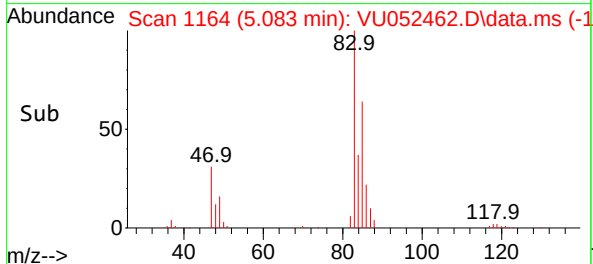
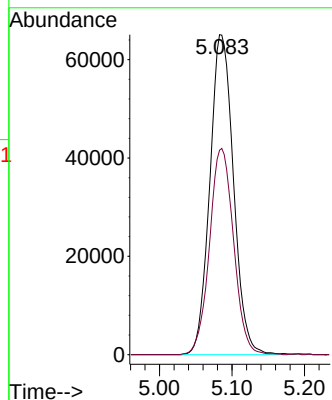
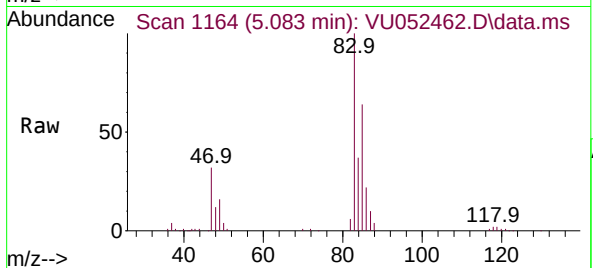
VSTD005076

Tgt Ion: 83 Resp: 147508

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.207 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU052462.D

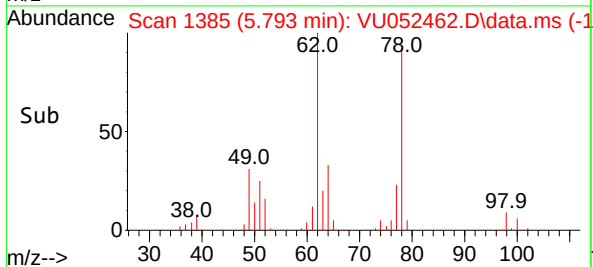
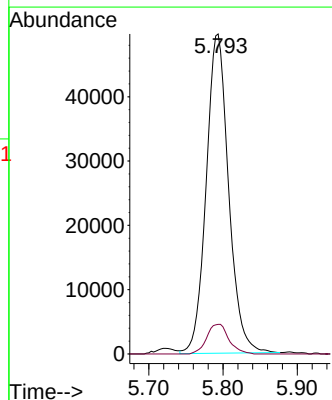
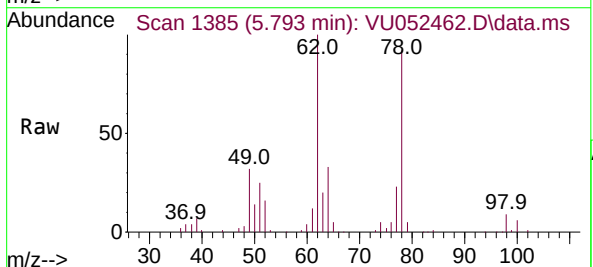
Acq: 20 Dec 2022 16:45

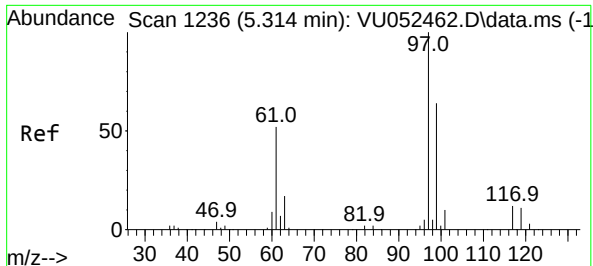
Tgt Ion: 62 Resp: 104051

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.306 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

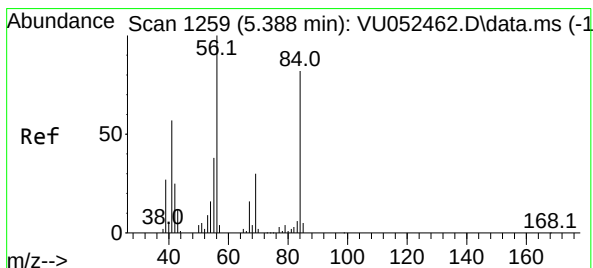
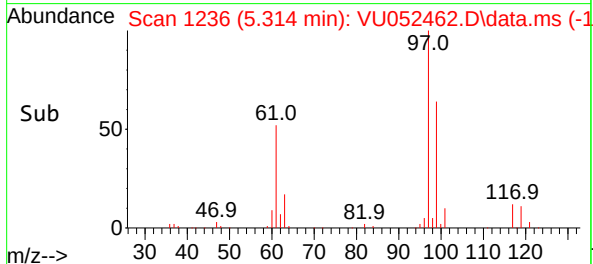
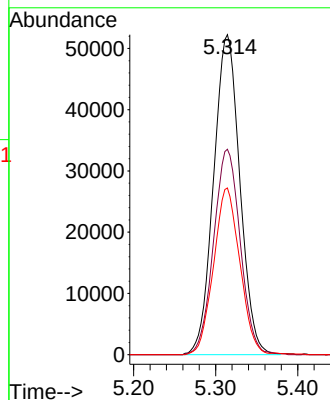
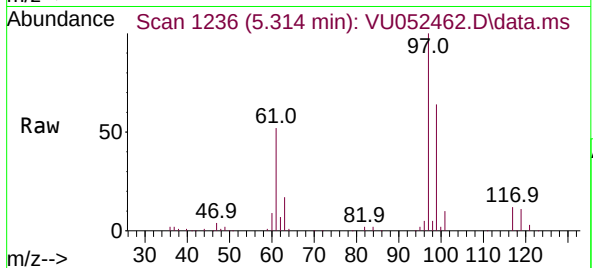
Tgt Ion: 97 Resp: 116436

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

61 52.0 41.6 62.4



#30

Cyclohexane

Concen: 5.420 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

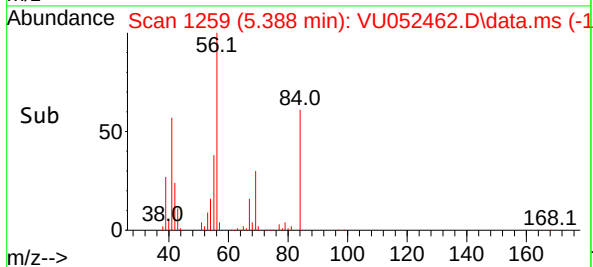
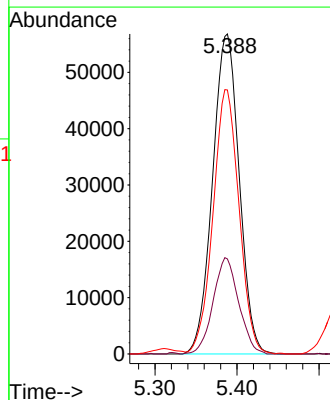
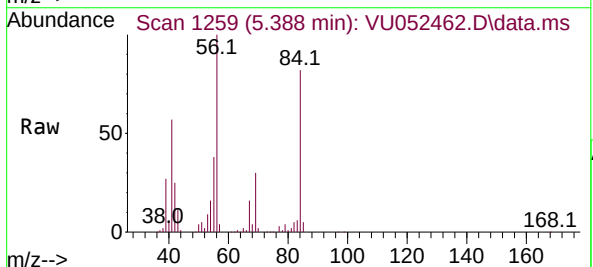
Tgt Ion: 56 Resp: 128537

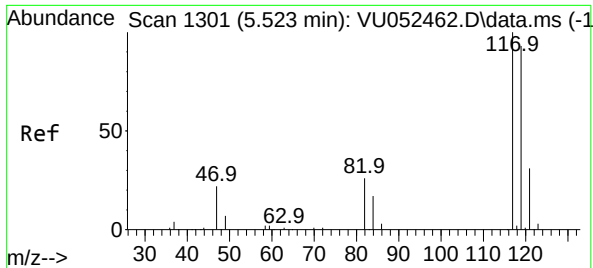
Ion Ratio Lower Upper

56 100

69 28.8 23.0 34.6

84 80.5 64.4 96.6

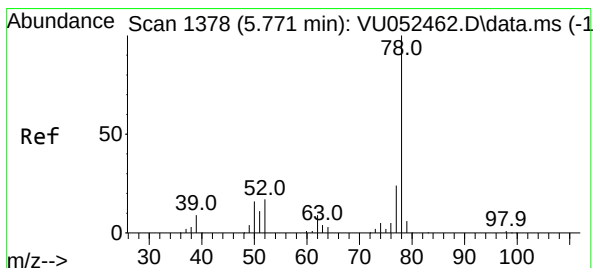
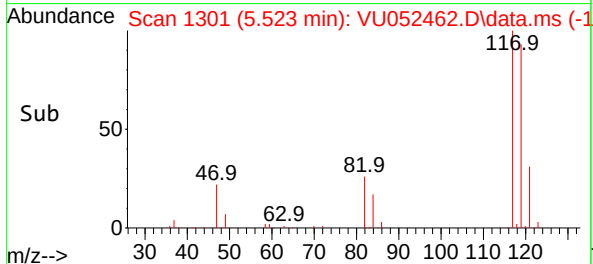
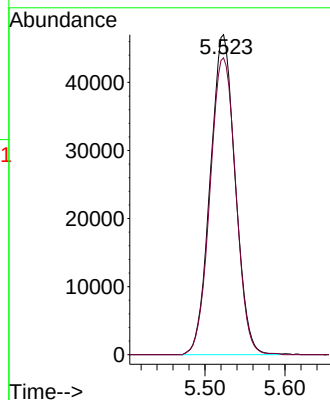
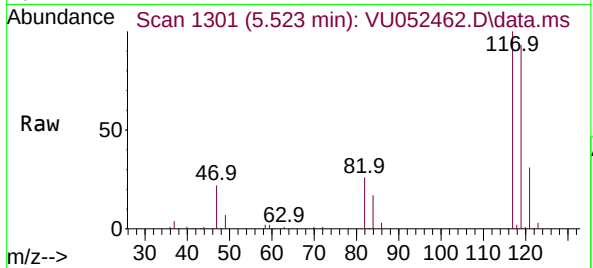




#31
Carbon tetrachloride
Concen: 5.286 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

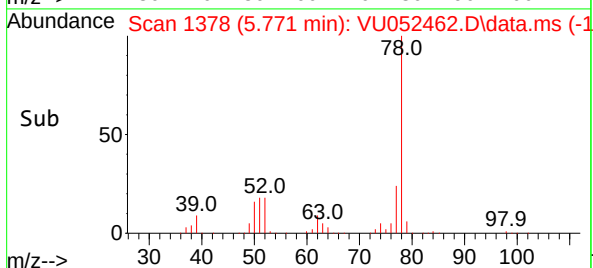
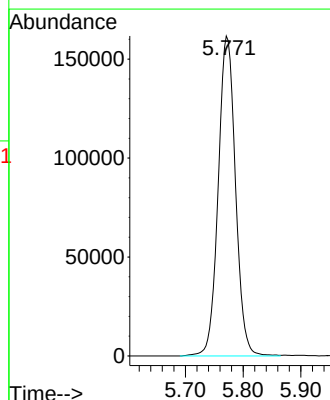
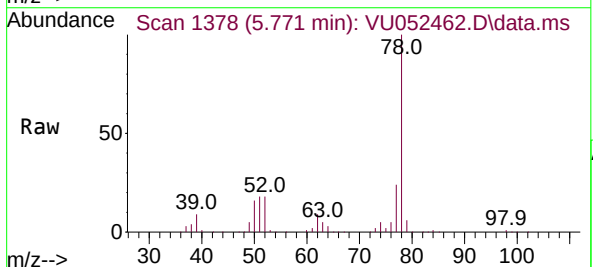
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

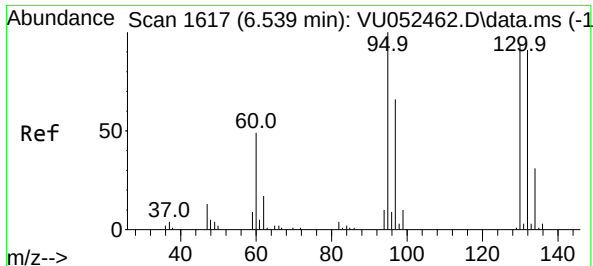
Tgt Ion:117 Resp: 101938
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 5.347 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 78 Resp: 335817



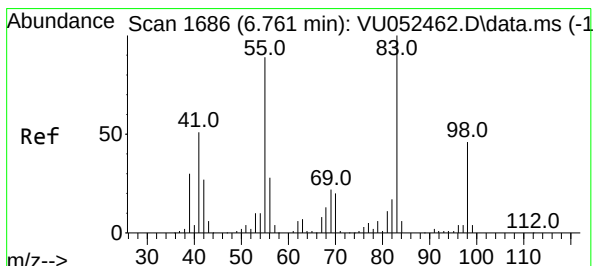
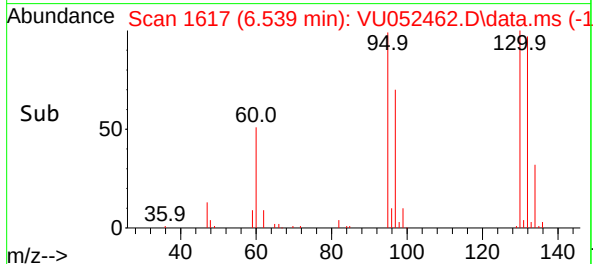
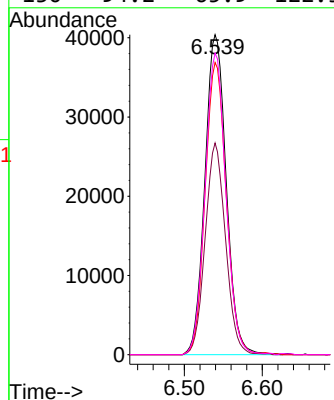
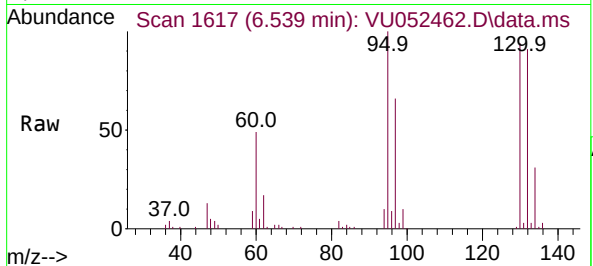


#34
Trichloroethene
Concen: 5.240 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

Tgt Ion: 95 Resp: 76938

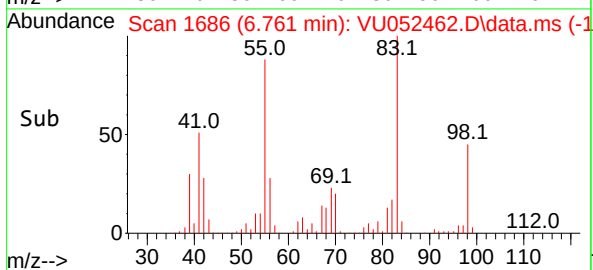
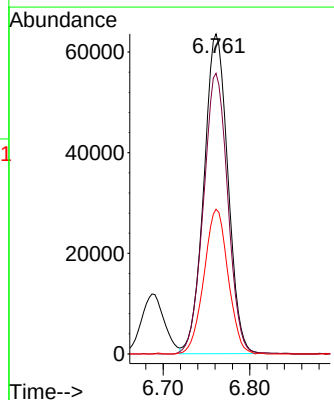
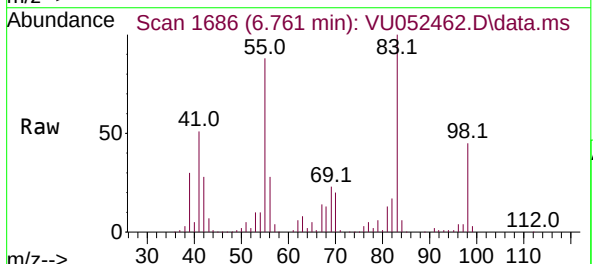
Ion	Ratio	Lower	Upper
95	100		
97	66.2	46.3	86.1
132	91.3	63.9	118.7
130	94.2	65.9	122.5

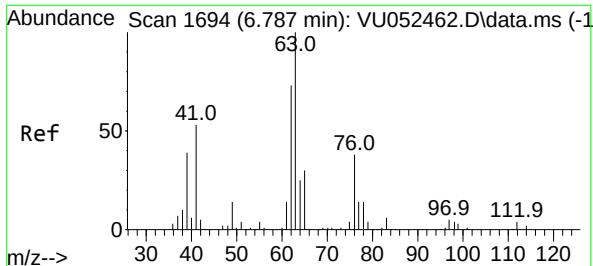


#35
Methylcyclohexane
Concen: 5.526 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 83 Resp: 122346

Ion	Ratio	Lower	Upper
83	100		
55	89.2	71.4	107.0
98	45.6	36.5	54.7

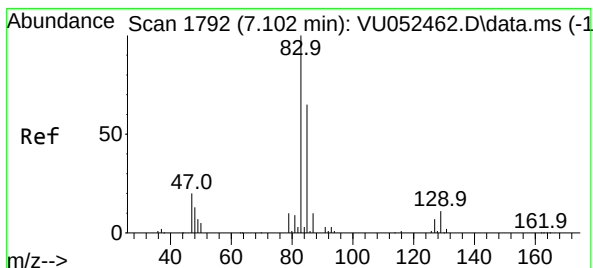
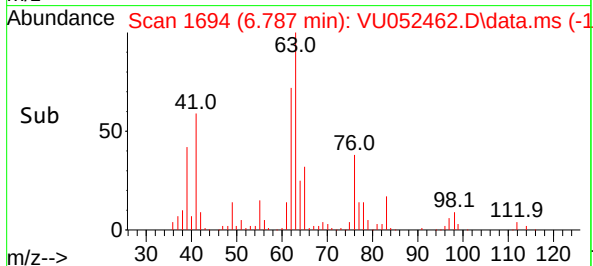
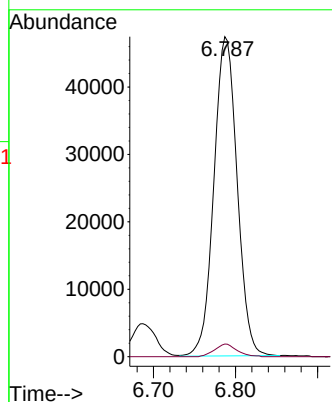
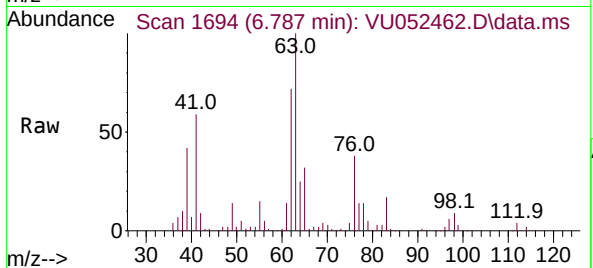




#37
1,2-Dichloropropane
Concen: 5.323 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

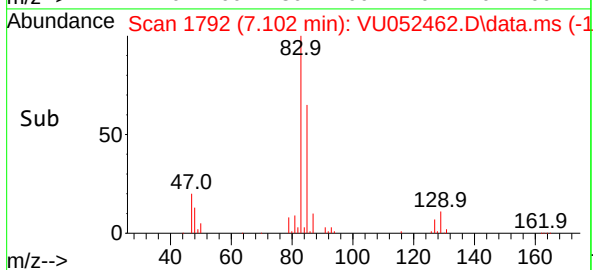
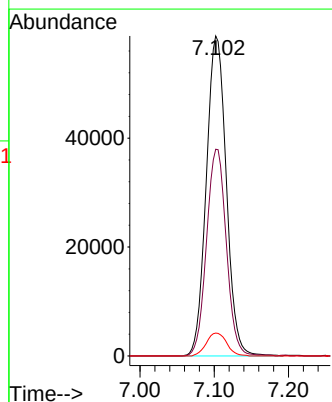
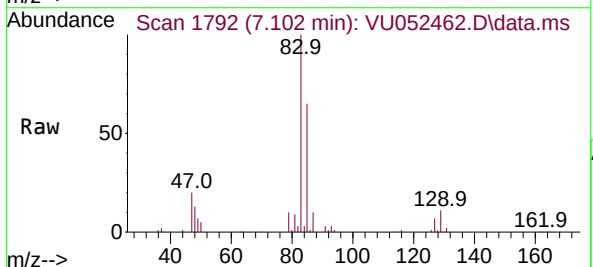
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

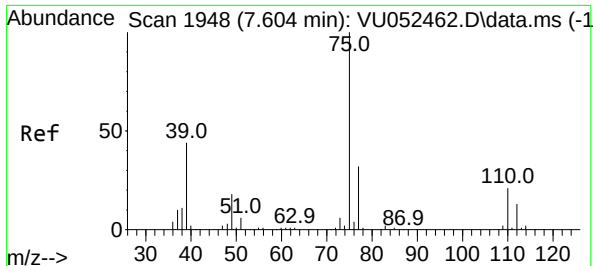
Tgt Ion: 63 Resp: 93282
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.154 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 83 Resp: 109940
Ion Ratio Lower Upper
83 100
85 64.6 45.2 84.0
127 7.2 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.217 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

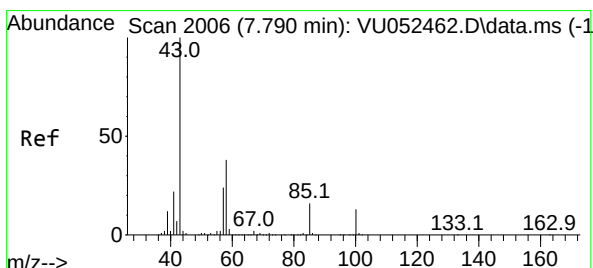
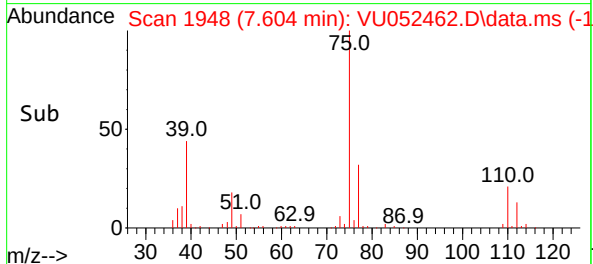
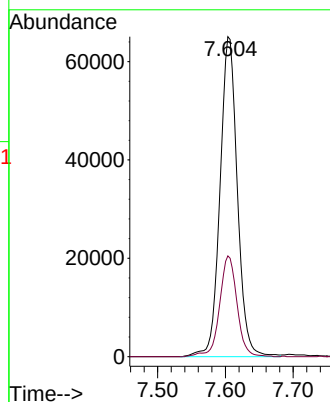
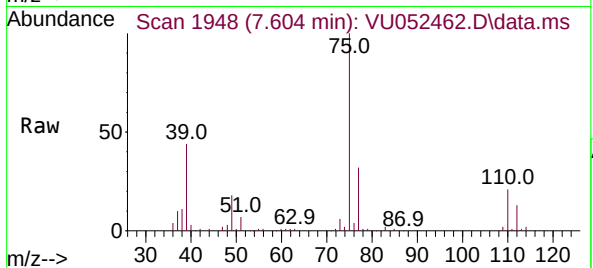
VSTD005076

Tgt Ion: 75 Resp: 115802

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.830 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

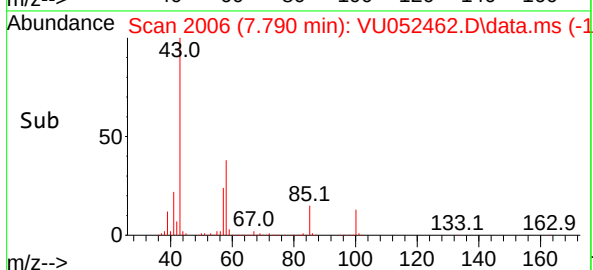
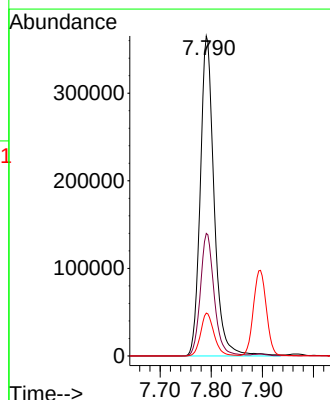
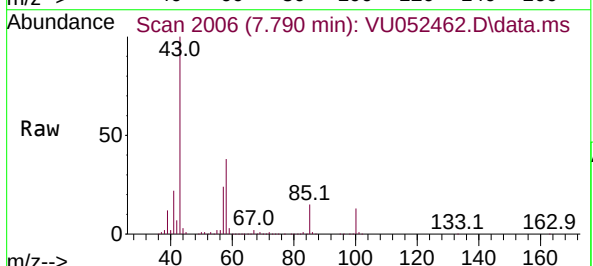
Tgt Ion: 43 Resp: 689379

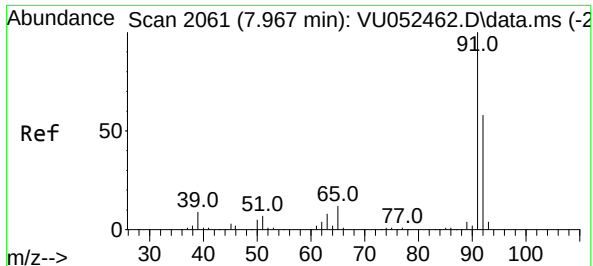
Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8

100 13.0 10.4 15.6





#42

Toluene

Concen: 5.598 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

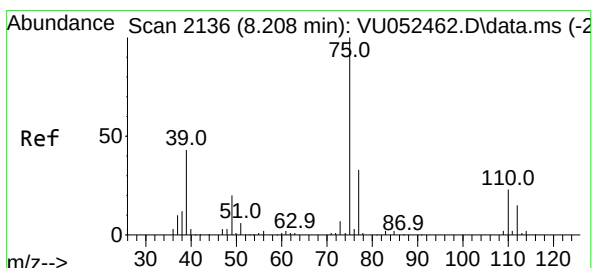
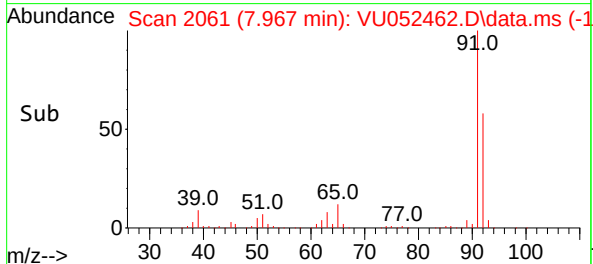
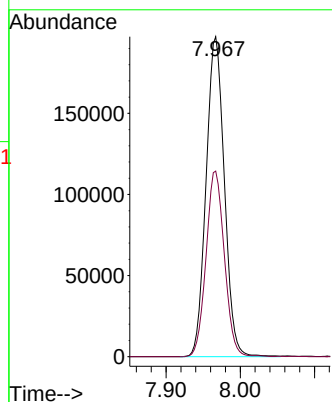
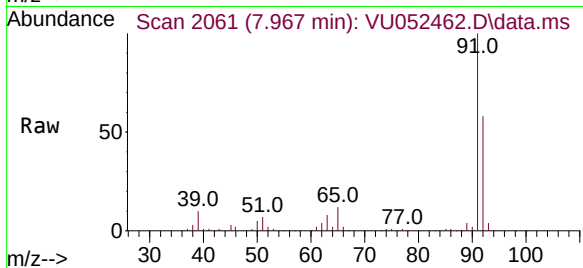
VSTD005076

Tgt Ion: 91 Resp: 337088

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.234 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052462.D

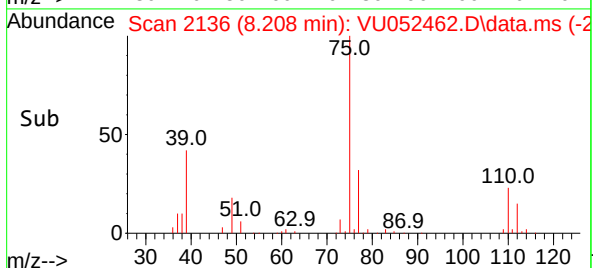
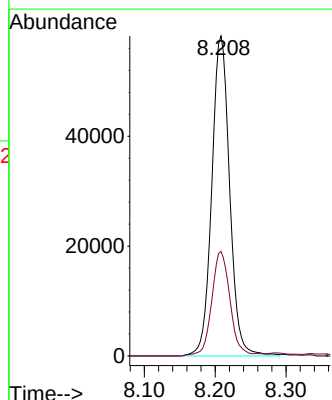
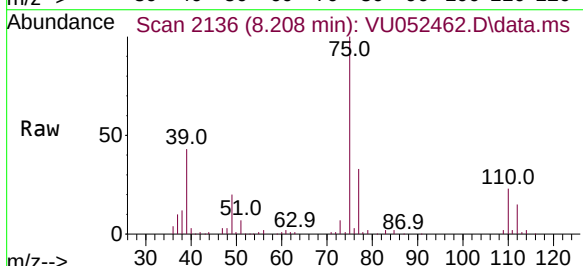
Acq: 20 Dec 2022 16:45

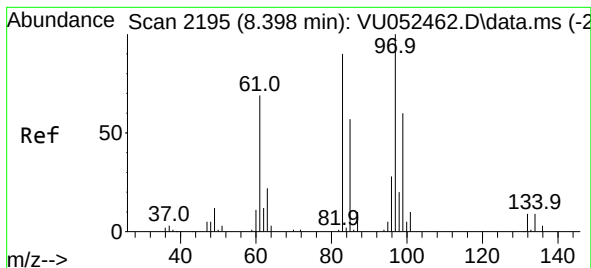
Tgt Ion: 75 Resp: 102369

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.157 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

Tgt Ion: 97 Resp: 64009

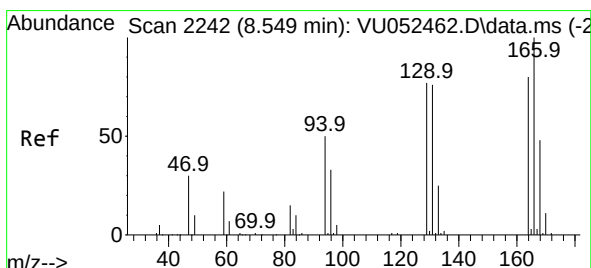
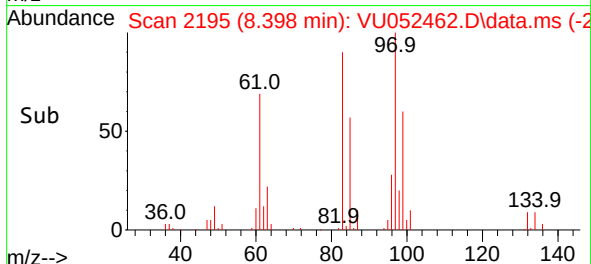
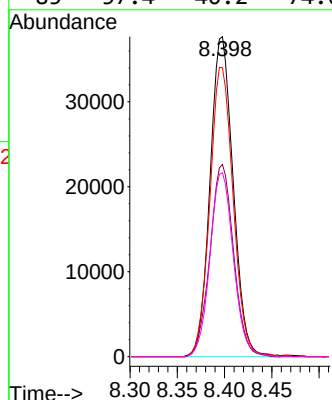
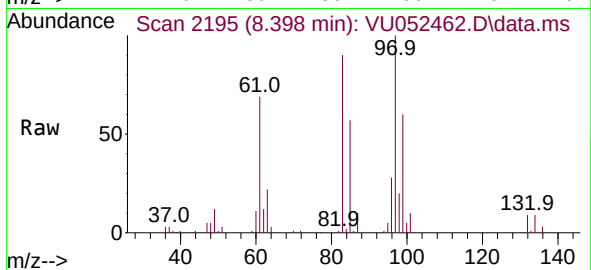
Ion Ratio Lower Upper

97 100

99 60.0 42.0 78.0

83 90.3 63.2 117.4

85 57.4 40.2 74.6



#47

Tetrachloroethene

Concen: 5.345 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Tgt Ion:164 Resp: 54783

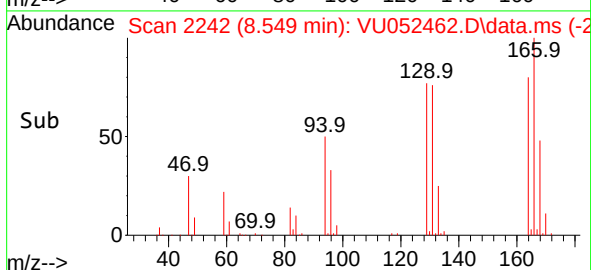
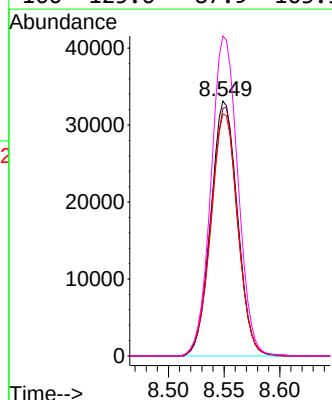
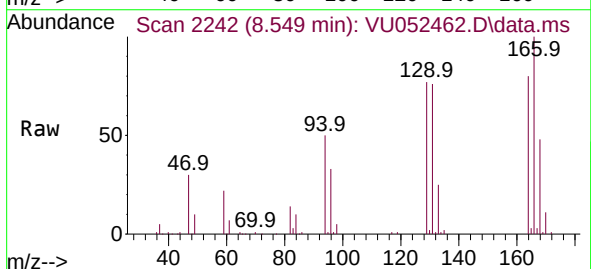
Ion Ratio Lower Upper

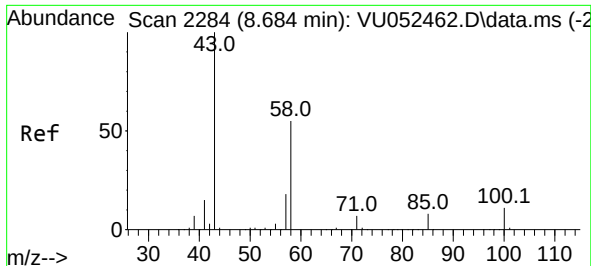
164 100

129 97.3 68.1 126.5

131 95.0 66.5 123.5

166 125.6 87.9 163.3

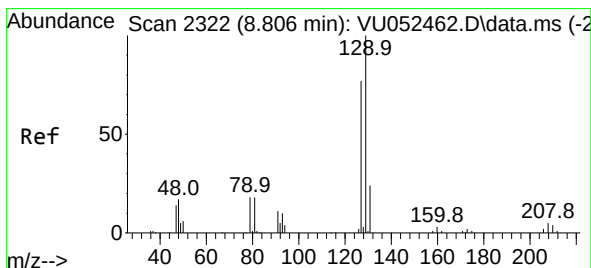
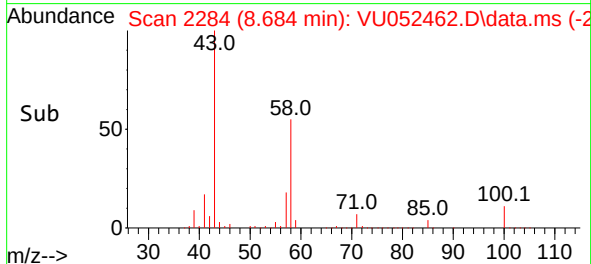
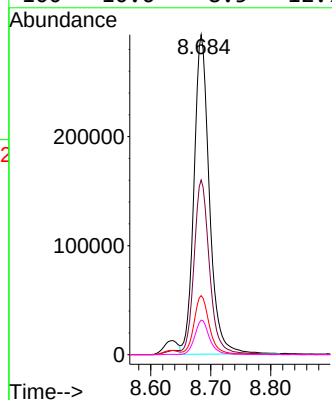
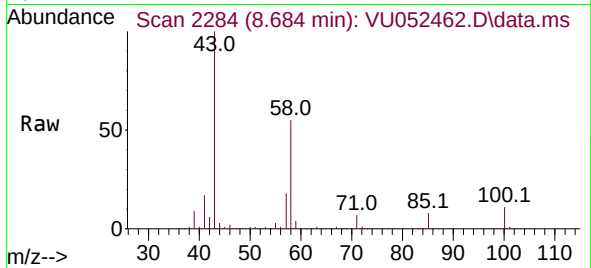




#48
2-Hexanone
Concen: 54.832 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

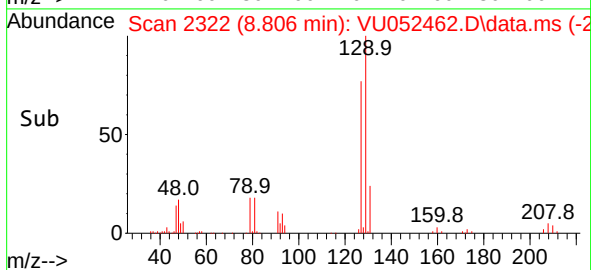
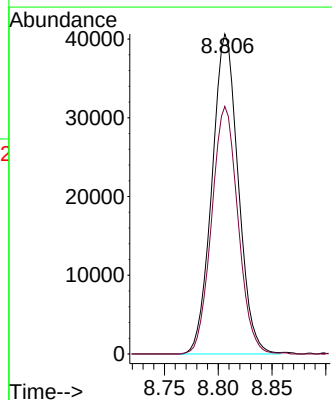
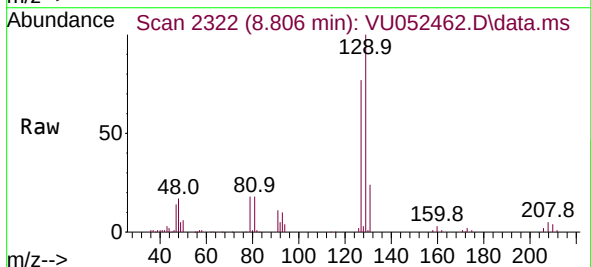
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

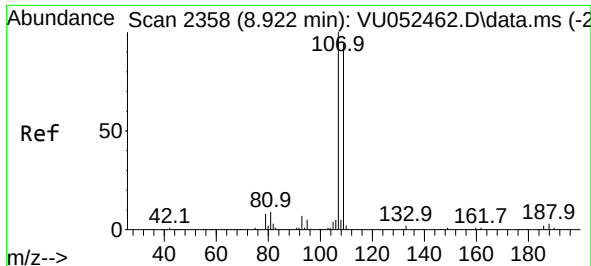
Tgt Ion: 43 Resp: 524103
Ion Ratio Lower Upper
43 100
58 55.1 44.1 66.1
57 18.2 14.6 21.8
100 10.6 8.5 12.7



#49
Dibromochloromethane
Concen: 5.255 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 129 Resp: 69063
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6

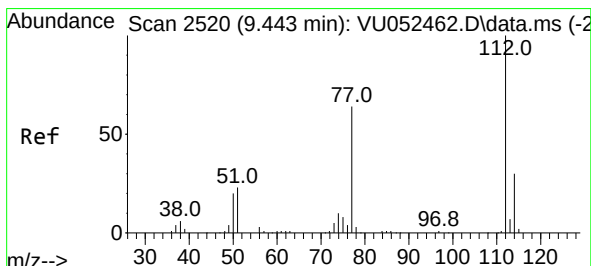
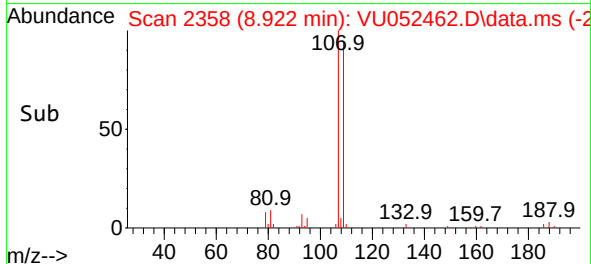
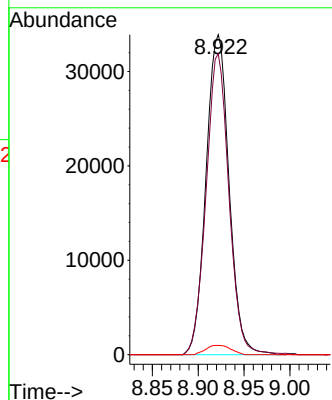
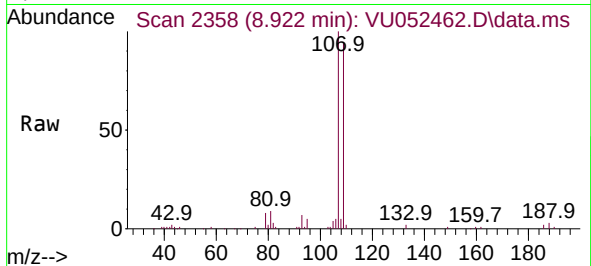




#50
1,2-Dibromoethane
Concen: 5.259 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

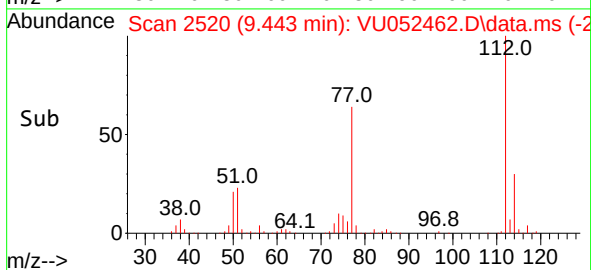
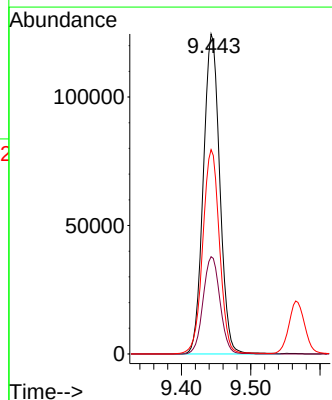
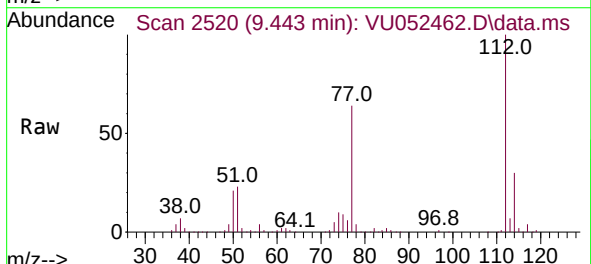
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

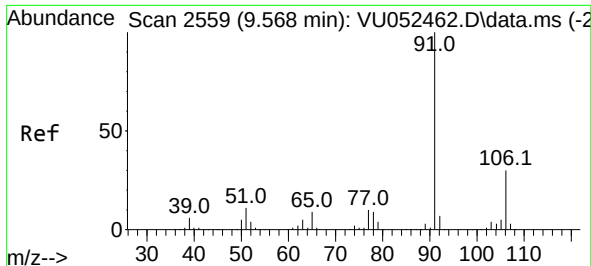
Tgt Ion:107 Resp: 59339
Ion Ratio Lower Upper
107 100
109 94.0 65.8 122.2
188 2.9 2.3 3.5



#51
Chlorobenzene
Concen: 5.331 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion:112 Resp: 205012
Ion Ratio Lower Upper
112 100
114 30.4 21.3 39.5
77 63.8 51.0 76.6

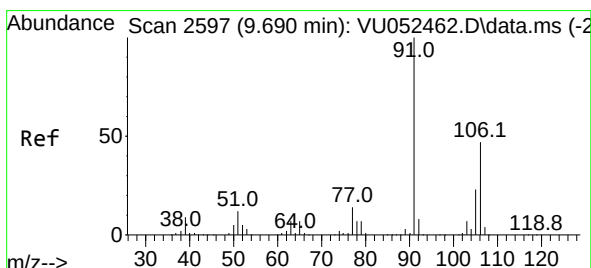
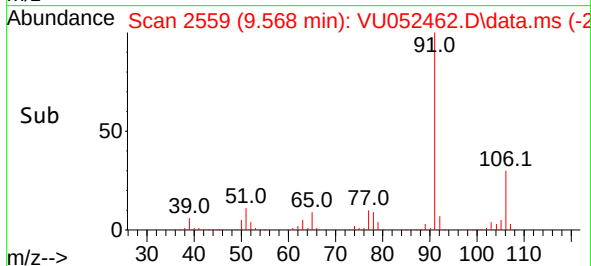
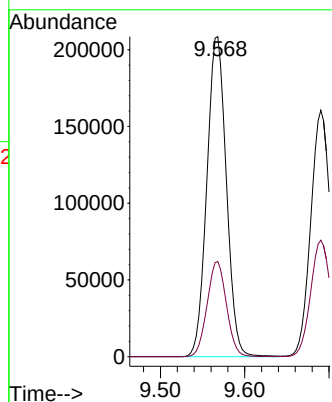
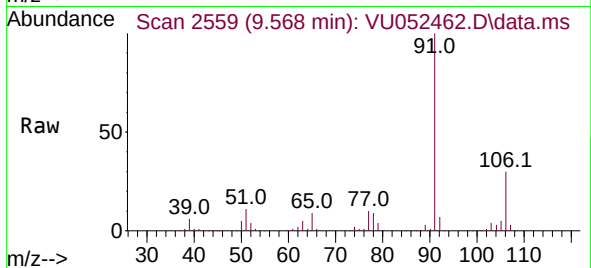




#52
Ethylbenzene
Concen: 5.386 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

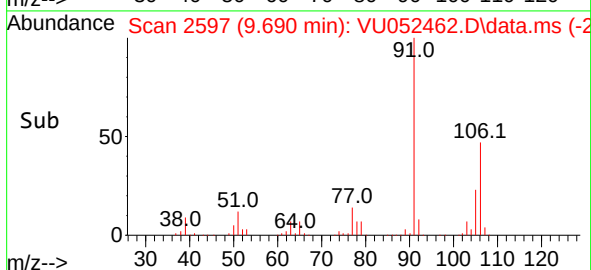
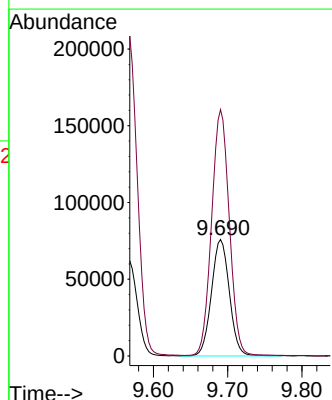
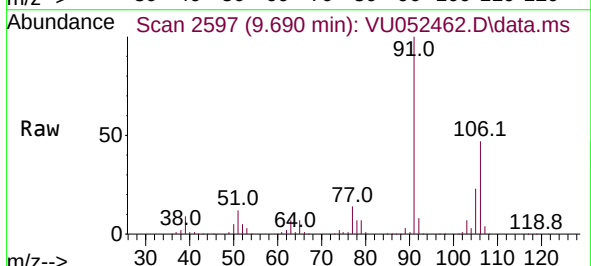
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

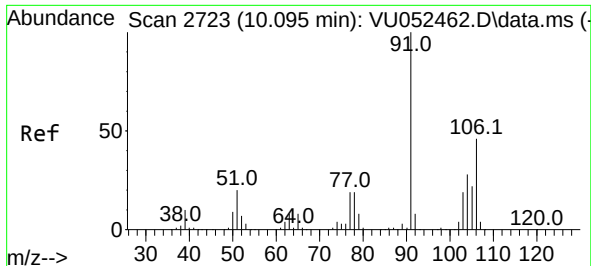
Tgt Ion: 91 Resp: 335617
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#53
m,p-Xylene
Concen: 5.531 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 106 Resp: 127101
Ion Ratio Lower Upper
106 100
91 211.7 148.2 275.2

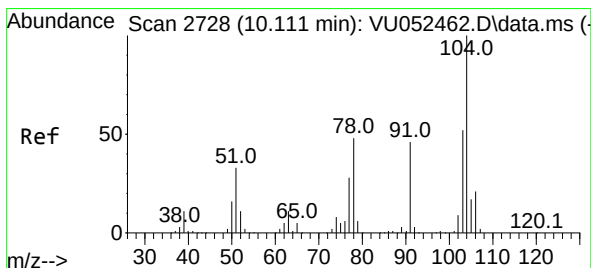
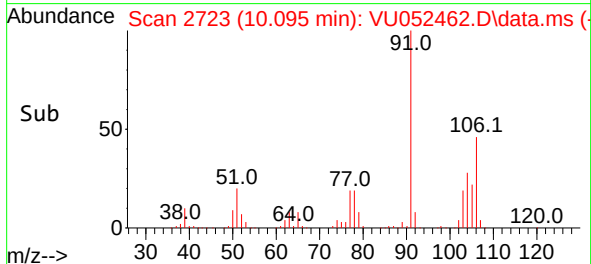
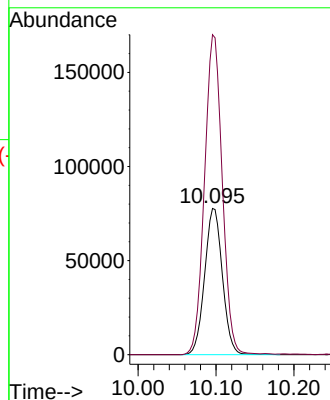
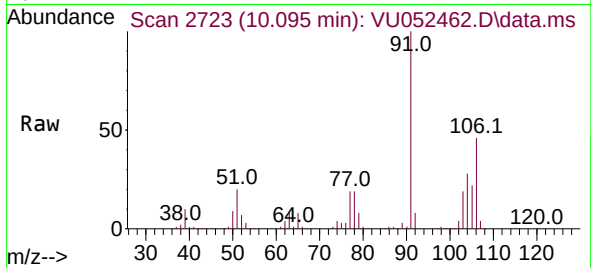




#54
o-Xylene
Concen: 5.585 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

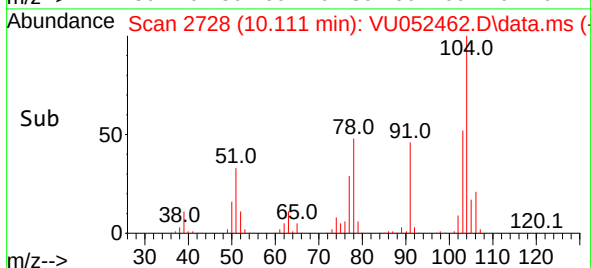
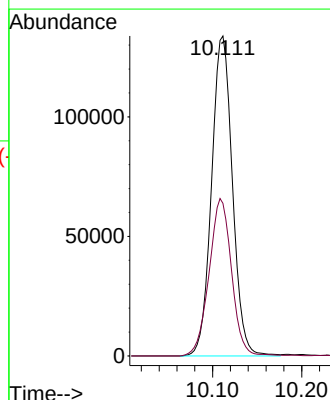
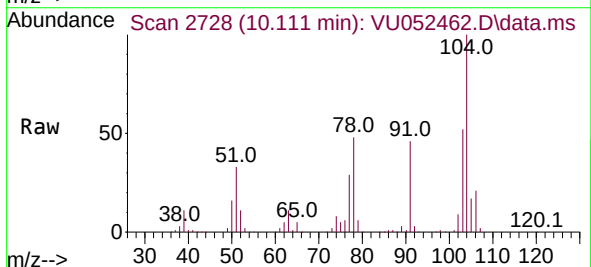
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

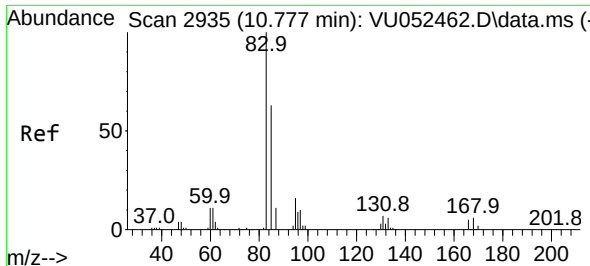
Tgt Ion:106 Resp: 123024
Ion Ratio Lower Upper
106 100
91 218.8 153.2 284.4



#55
Styrene
Concen: 5.689 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion:104 Resp: 217997
Ion Ratio Lower Upper
104 100
78 47.7 33.4 62.0

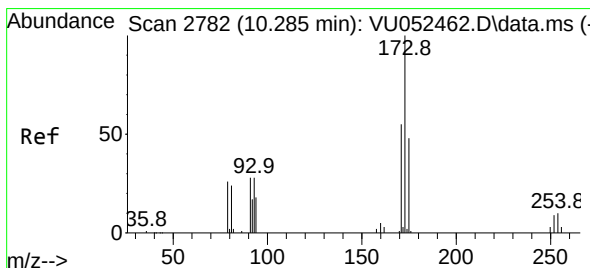
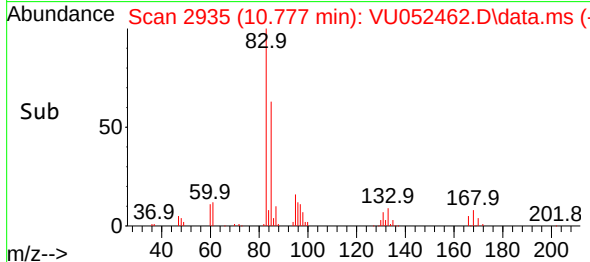
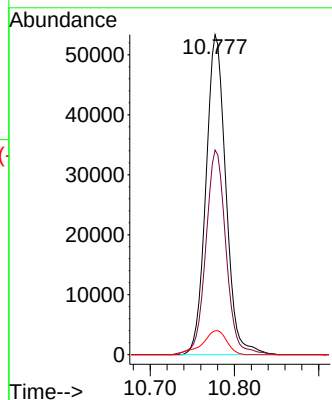
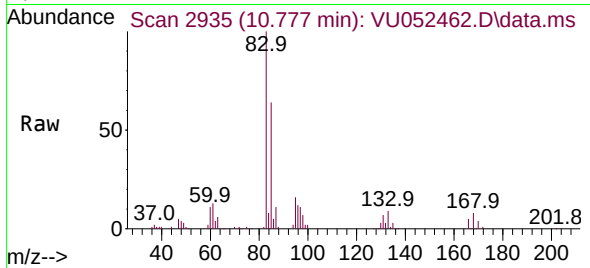




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.114 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

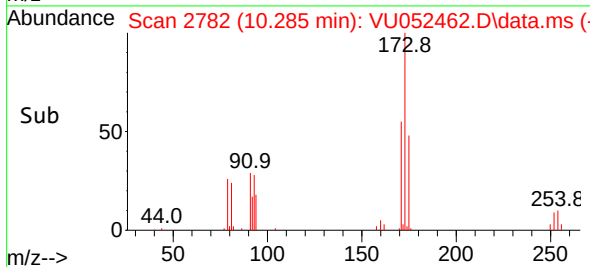
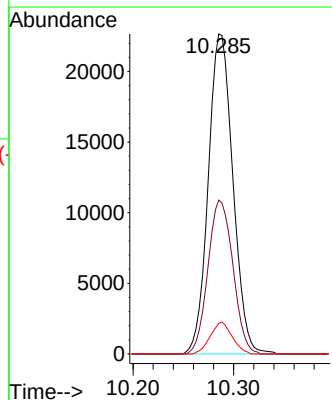
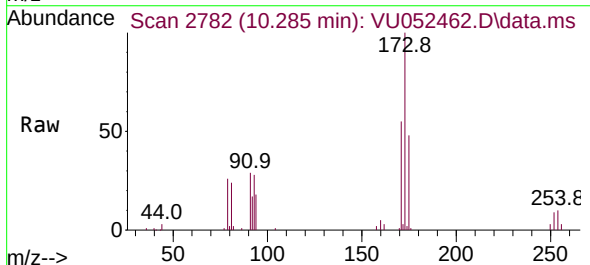
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

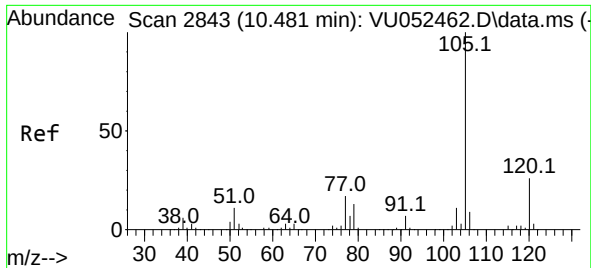
Tgt Ion: 83 Resp: 87749
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 131 7.5 6.0 9.0



#59
 Bromoform
 Concen: 4.955 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

Tgt Ion: 173 Resp: 38547
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 8.8 7.0 10.6

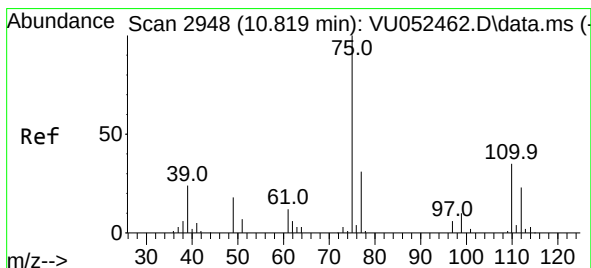
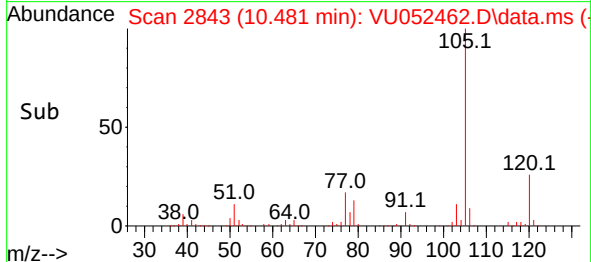
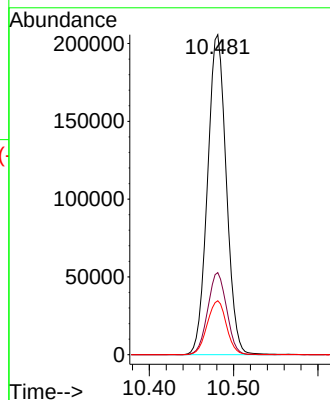
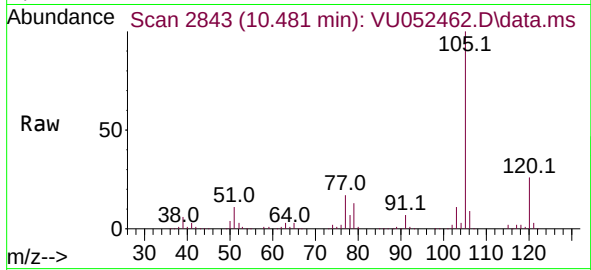




#60
Isopropylbenzene
Concen: 5.555 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

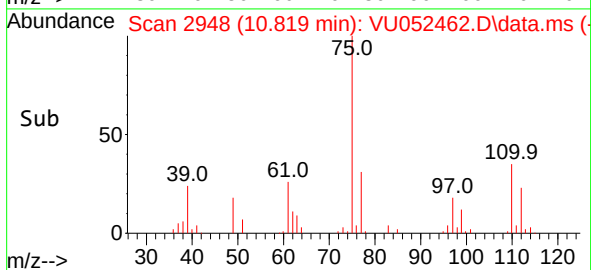
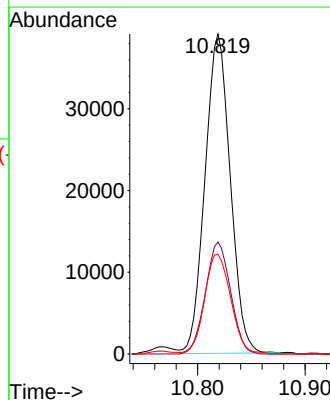
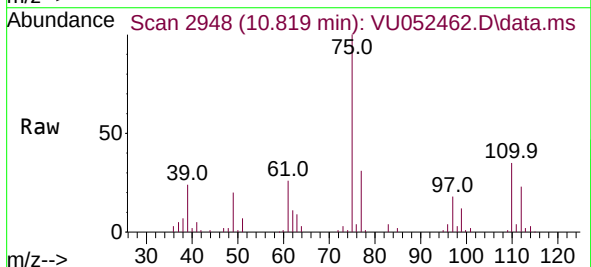
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

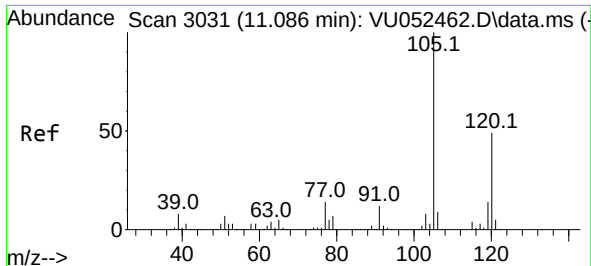
Tgt Ion:105 Resp: 318799
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 17.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.020 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion: 75 Resp: 63750
Ion Ratio Lower Upper
75 100
110 34.9 27.9 41.9
77 32.4 25.9 38.9

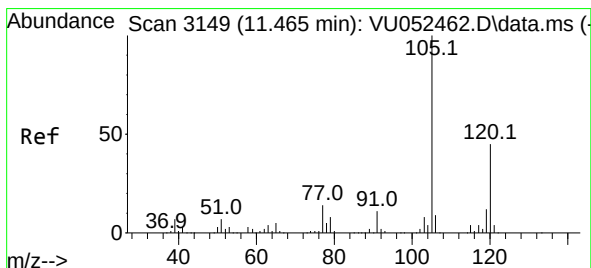
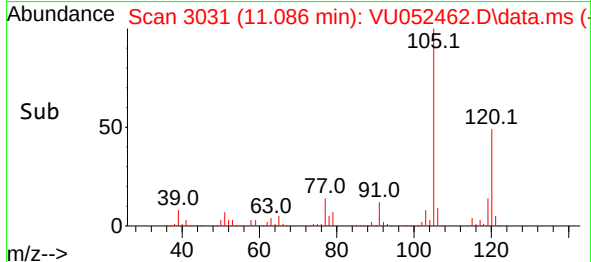
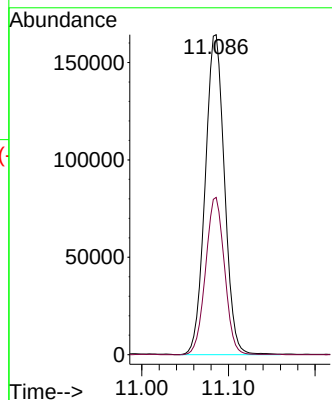
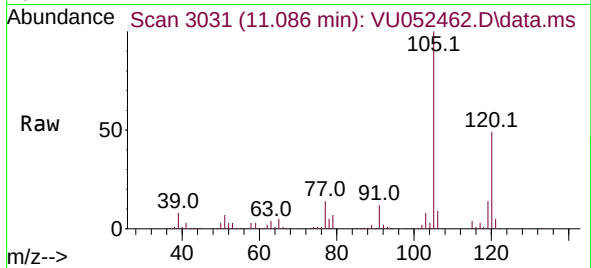




#62
 1,3,5-Trimethylbenzene
 Concen: 5.375 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

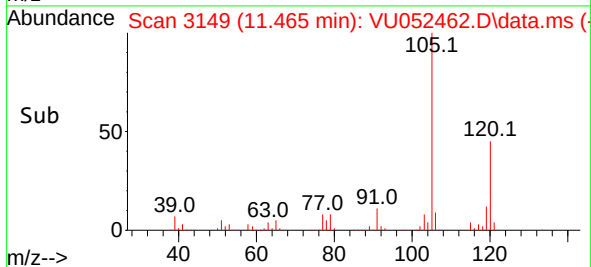
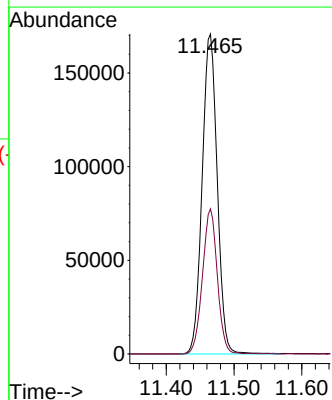
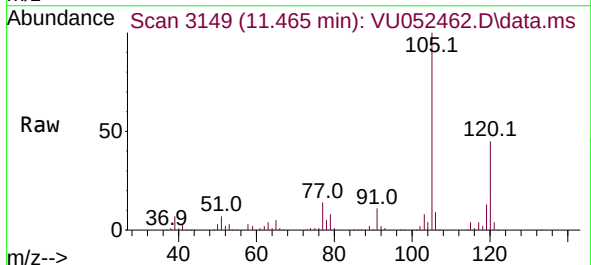
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

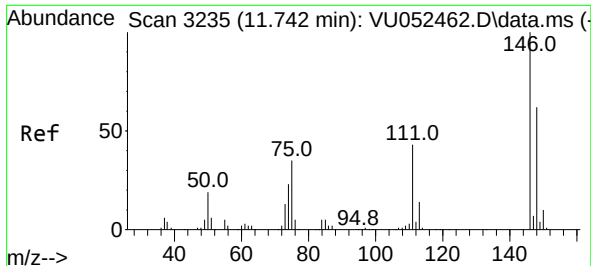
Tgt Ion:105 Resp: 254405
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.534 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU052462.D
 Acq: 20 Dec 2022 16:45

Tgt Ion:105 Resp: 263680
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

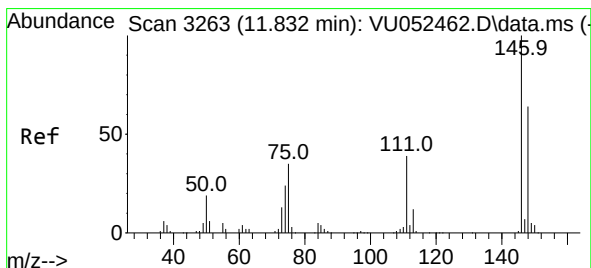
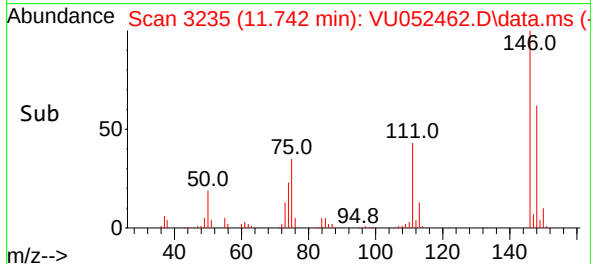
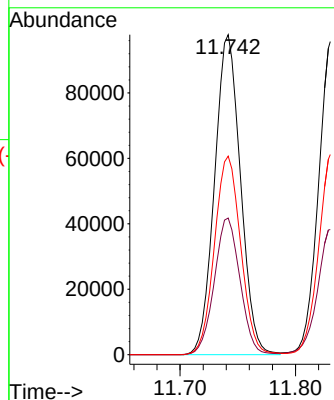
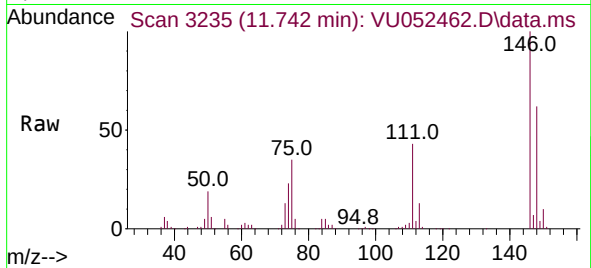




#64
1,3-Dichlorobenzene
Concen: 5.361 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

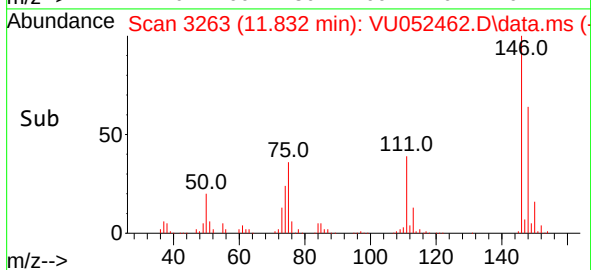
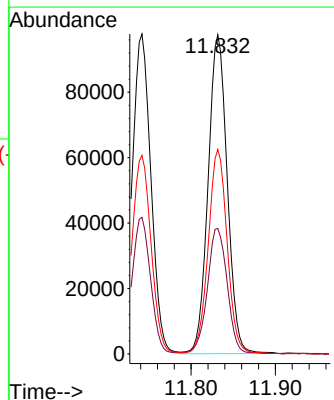
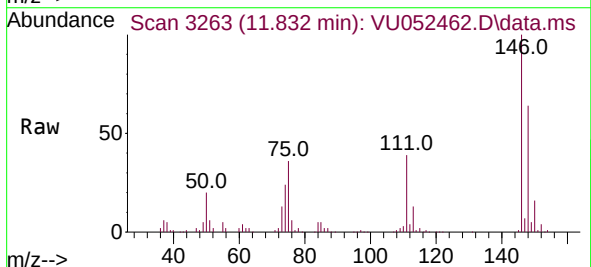
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

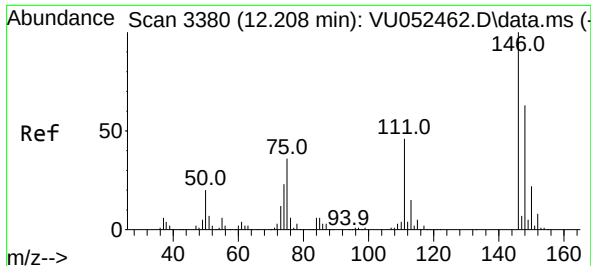
Tgt Ion:146 Resp: 152647
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 62.0 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.232 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion:146 Resp: 154078
Ion Ratio Lower Upper
146 100
111 39.3 27.5 51.1
148 64.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.191 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

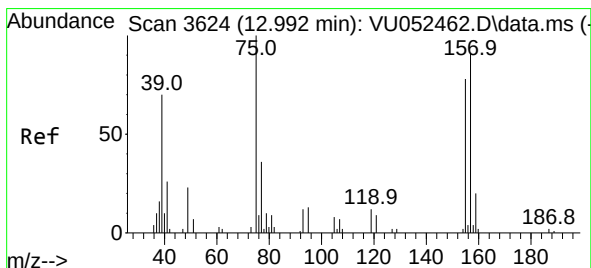
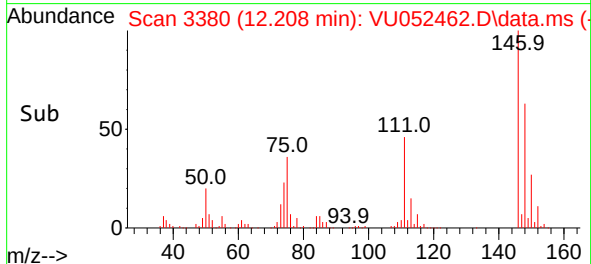
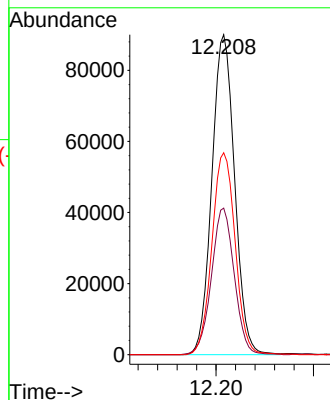
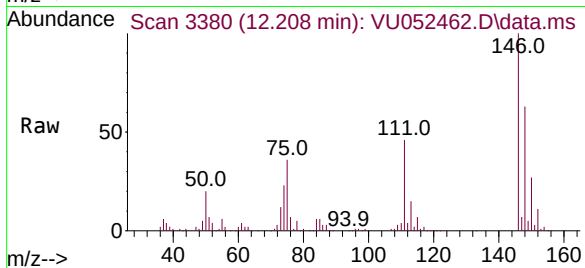
Tgt Ion:146 Resp: 146046

Ion Ratio Lower Upper

146 100

111 45.8 36.6 55.0

148 63.1 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.711 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

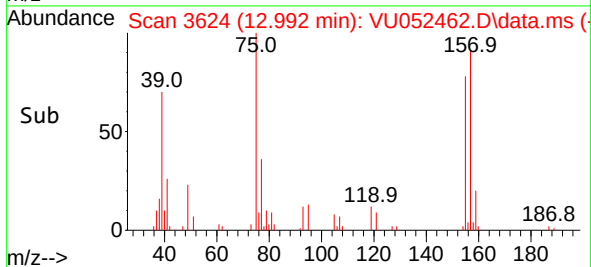
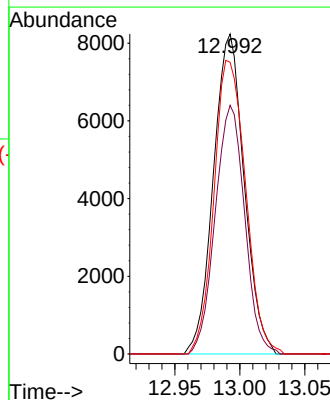
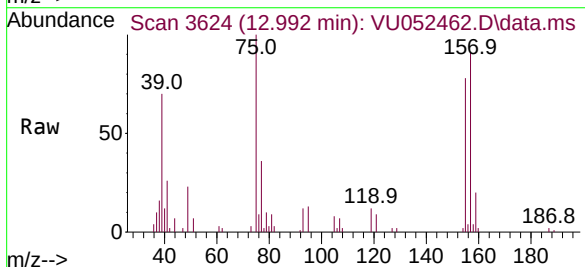
Tgt Ion: 75 Resp: 13543

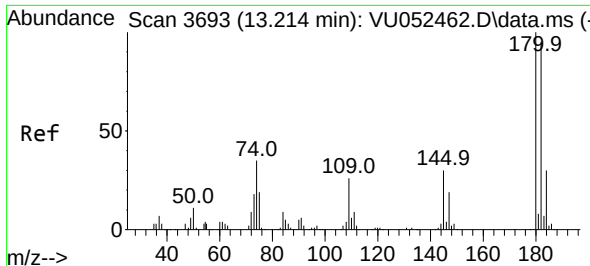
Ion Ratio Lower Upper

75 100

155 77.7 62.2 93.2

157 91.2 73.0 109.4



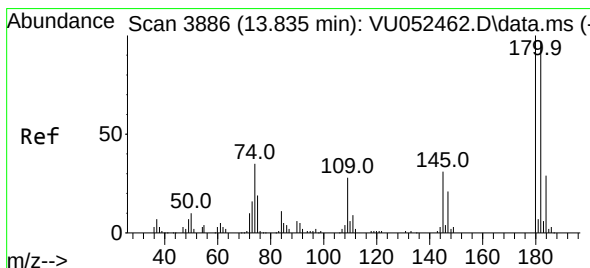
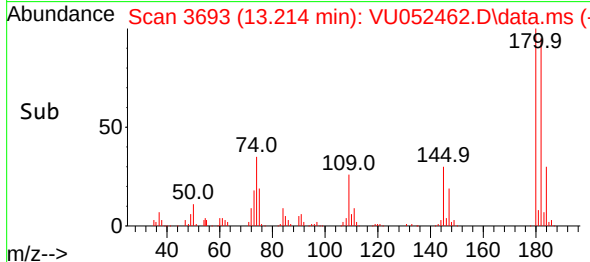
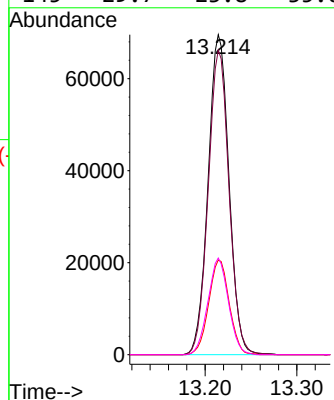
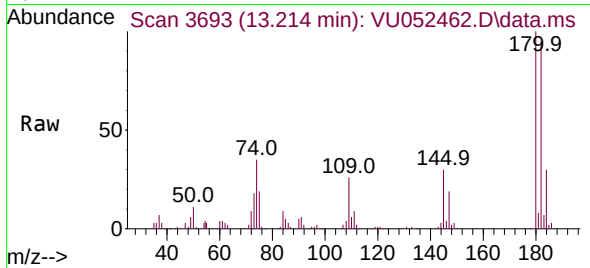


#69
1,3,5-Trichlorobenzene
Concen: 5.250 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

Tgt Ion:180 Resp: 110072

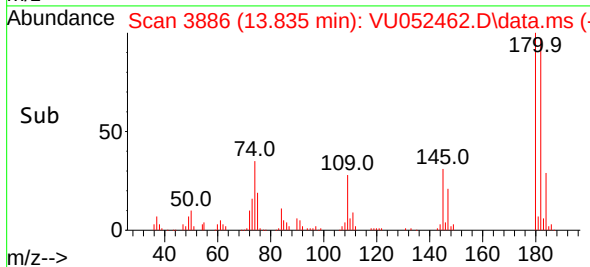
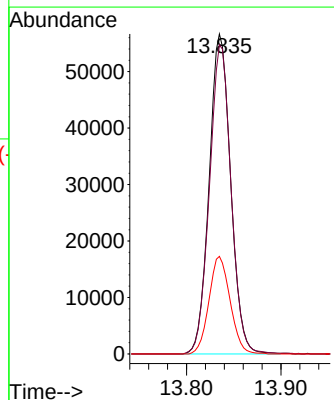
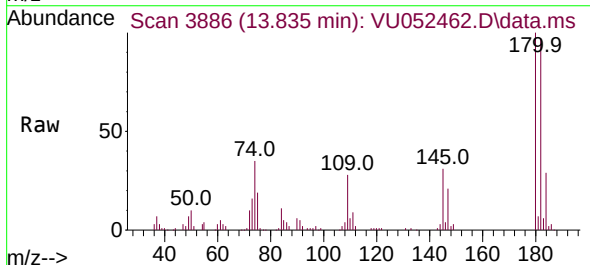
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	29.2	23.4	35.0
145	29.7	23.8	35.6

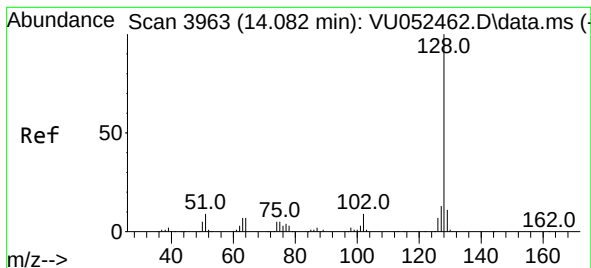


#70
1,2,4-trichlorobenzene
Concen: 5.072 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052462.D
Acq: 20 Dec 2022 16:45

Tgt Ion:180 Resp: 89492

Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
145	30.0	24.0	36.0





#71

Naphthalene

Concen: 4.776 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

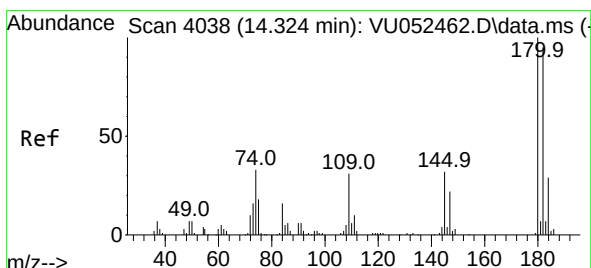
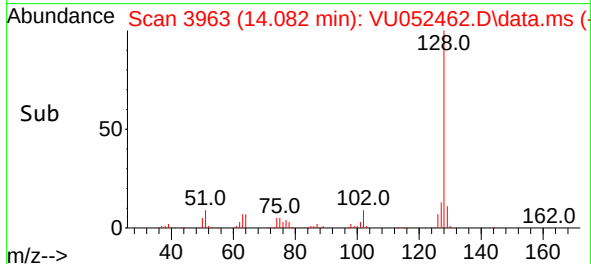
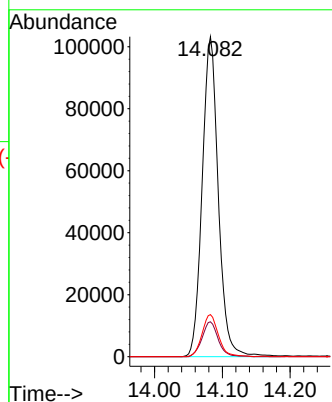
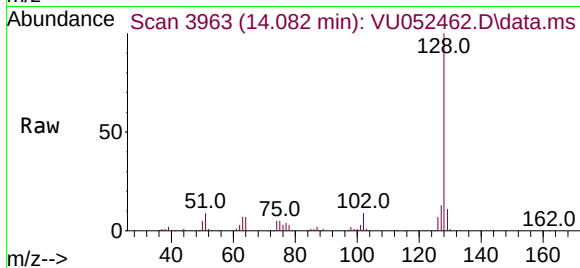
Tgt Ion:128 Resp: 170483

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 5.079 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052462.D

Acq: 20 Dec 2022 16:45

Tgt Ion:180 Resp: 89808

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 32.3 25.8 38.8

