

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U081322\
 Data File : VU050311.D
 Acq On : 13 Aug 2022 10:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

Quant Time: Aug 14 01:18:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 01:20:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	101558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	98396	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31436	3.720	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.912	69	30778	4.514	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.562	65	12347	3.738	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	4.642	46	109794	53.271	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.540%
24) Chloroform-d	5.063	84	73273	4.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.703	65	36891	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.726	84	130389	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.690	67	45559	4.506	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.899	98	107812	3.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	8.179	79	15059	4.156	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.635	63	63694	49.570	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.140%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	41579	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	37607	4.088	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52090	5.594	ug/L	99
3) Chloromethane	1.520	50	56507	4.640	ug/L	99
5) Vinyl chloride	1.600	62	56682	5.195	ug/L	100
6) Bromomethane	1.858	94	34916	5.013	ug/L	100
8) Chloroethane	1.932	64	39186	6.095	ug/L	95
9) Trichlorofluoromethane	2.137	101	71019	5.944	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	41933	6.309	ug/L	97
12) 1,1-Dichloroethene	2.575	96	38826	5.531	ug/L	87
13) Acetone	2.658	43	69812	60.822	ug/L	91
14) Carbon disulfide	2.790	76	124908	4.982	ug/L	99
15) Methyl Acetate	2.960	43	17566	5.605	ug/L	93
16) Methylene chloride	3.044	84	49892	4.651	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	89855	4.904	ug/L	98
18) trans-1,2-Dichloroethene	3.349	96	41626	5.296	ug/L	97
19) 1,1-Dichloroethane	3.867	63	79135	5.317	ug/L	99
21) 2-Butanone	4.719	43	115690	56.051	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	45818	5.252	ug/L	97
23) Bromochloromethane	4.973	128	20964	5.028	ug/L	97
25) Chloroform	5.089	83	83400	5.256	ug/L	98

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 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

Quant Time: Aug 14 01:18:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 01:20:27 2022
 Response via : Initial Calibration

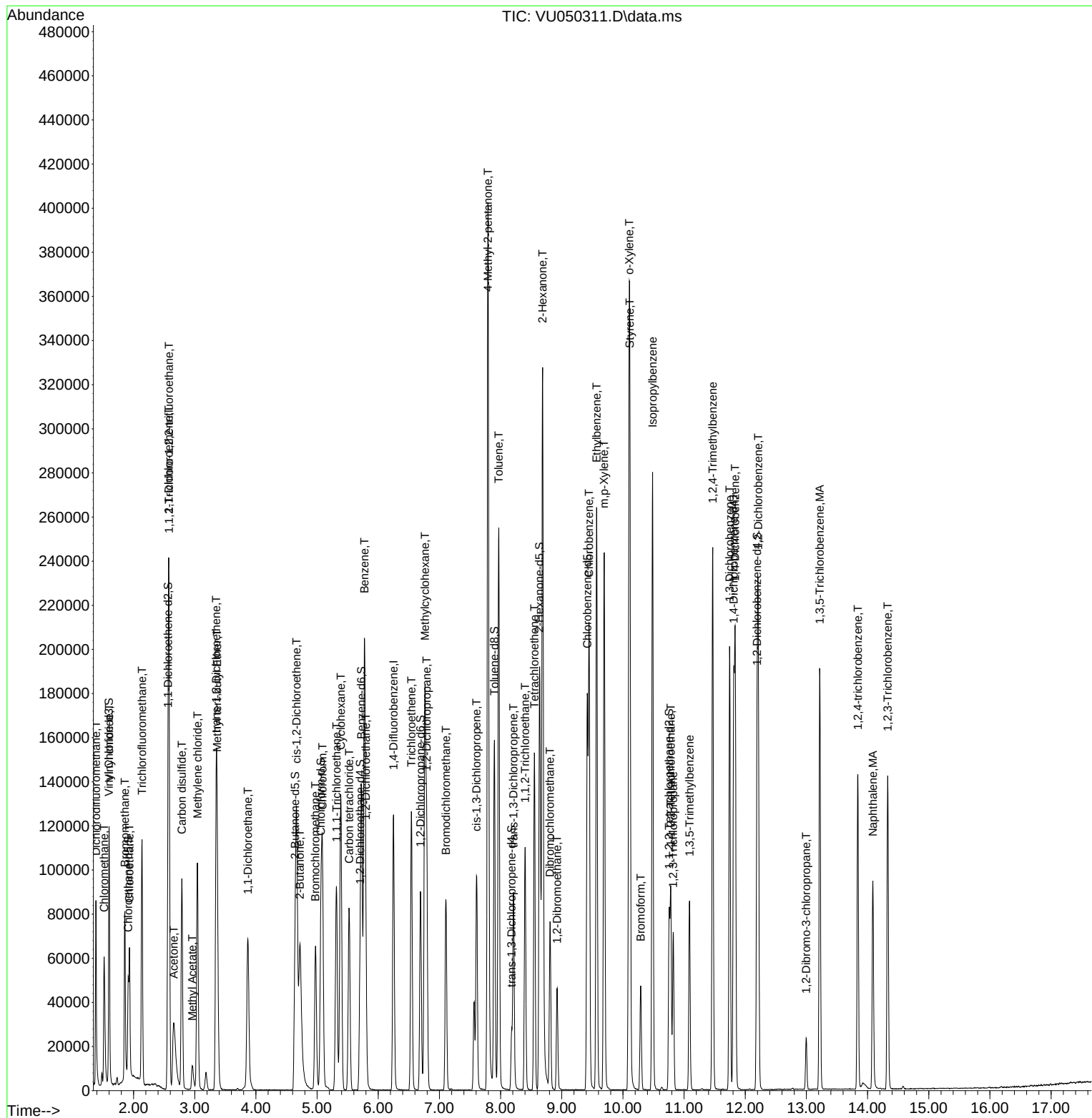
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	48420	5.014	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	67867	5.622	ug/L	99
30) Cyclohexane	5.388	56	64347	6.119	ug/L	99
31) Carbon tetrachloride	5.523	117	57208	5.782	ug/L	100
33) Benzene	5.774	78	183597	5.325	ug/L	100
34) Trichloroethene	6.542	95	44549	5.343	ug/L	98
35) Methylcyclohexane	6.764	83	66904	6.216	ug/L	99
37) 1,2-Dichloropropane	6.793	63	48218	5.251	ug/L	100
38) Bromodichloromethane	7.105	83	59044	5.293	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	60902	5.082	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	267017	50.203	ug/L	99
42) Toluene	7.970	91	190919	5.522	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	52464	5.104	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	34305	4.998	ug/L	97
47) Tetrachloroethene	8.552	164	33310	5.576	ug/L	97
48) 2-Hexanone	8.687	43	203955	49.579	ug/L	99
49) Dibromochloromethane	8.809	129	39731	5.229	ug/L	96
50) 1,2-Dibromoethane	8.925	107	31959	5.135	ug/L	97
51) Chlorobenzene	9.446	112	113309	5.209	ug/L	96
52) Ethylbenzene	9.571	91	184849	5.479	ug/L	100
53) m,p-Xylene	9.693	106	71320	5.740	ug/L	98
54) o-Xylene	10.102	106	69464	5.601	ug/L	99
55) Styrene	10.115	104	111191	5.366	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	45780	5.075	ug/L	97
59) Bromoform	10.291	173	21817	4.634	ug/L	97
60) Isopropylbenzene	10.484	105	177403	5.658	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	30030	4.695	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	48077	5.427	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	134045	5.554	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	82259	5.205	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	78400	5.098	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	79354	5.185	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	6093	4.859	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	59222	5.261	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	45214	5.301	ug/L	98
71) Naphthalene	14.085	128	81685	4.670	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	44268	5.120	ug/L	99

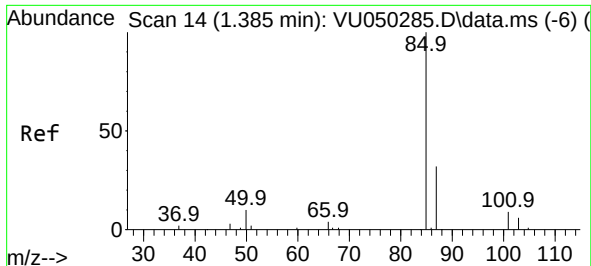
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Acq On : 13 Aug 2022 10:37
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

Quant Time: Aug 14 01:18:47 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 01:20:27 2022
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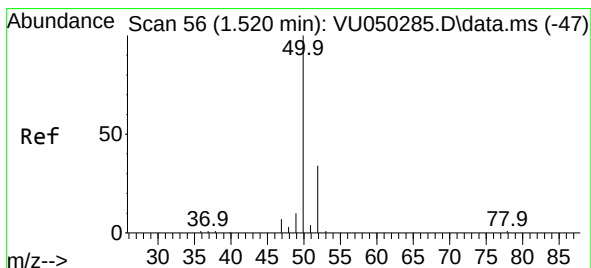
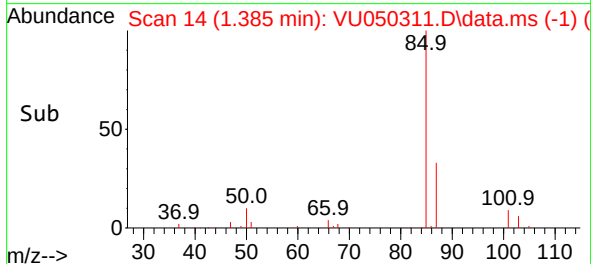
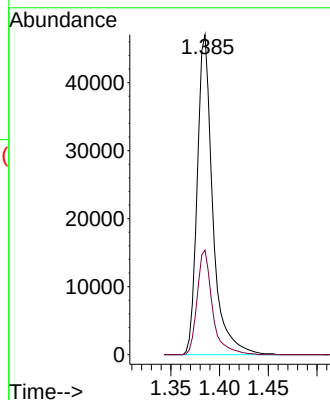
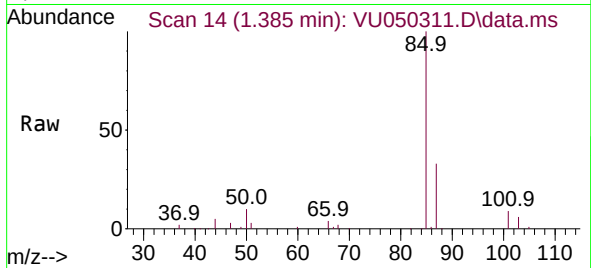




#2
Dichlorodifluoromethane
Concen: 5.594 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

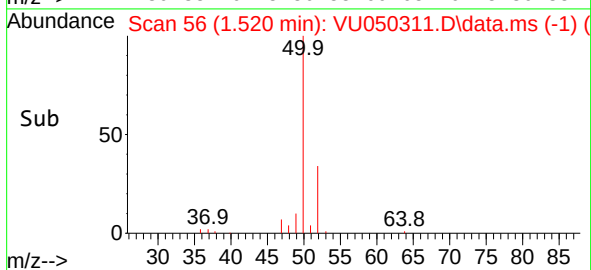
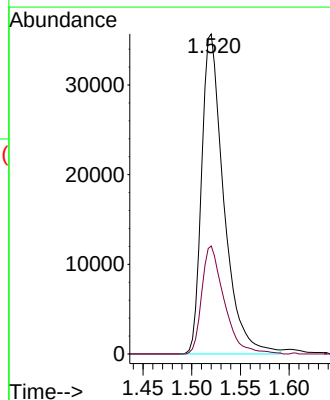
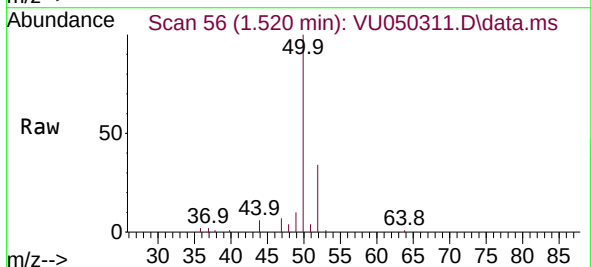
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

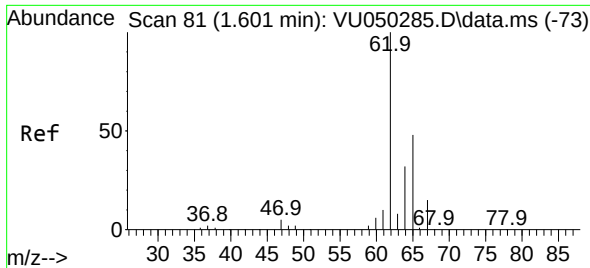
Tgt Ion: 85 Resp: 52090
Ion Ratio Lower Upper
85 100
87 32.1 26.2 39.4



#3
Chloromethane
Concen: 4.640 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 50 Resp: 56507
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.2

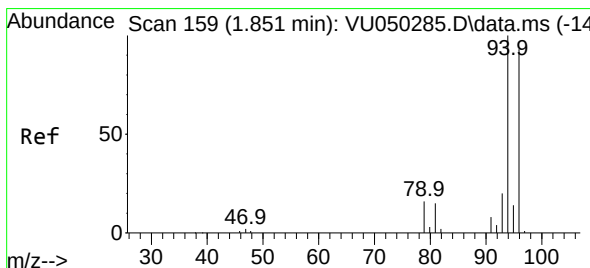
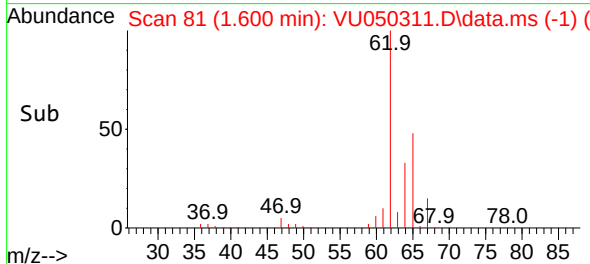
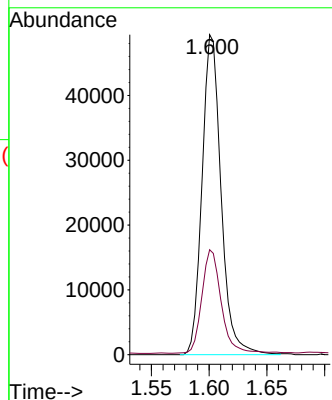
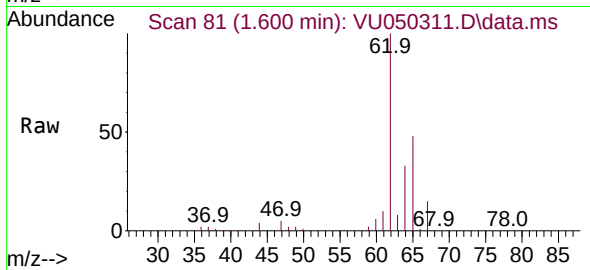




#5
 Vinyl chloride
 Concen: 5.195 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

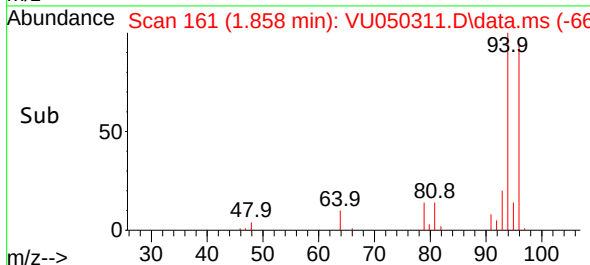
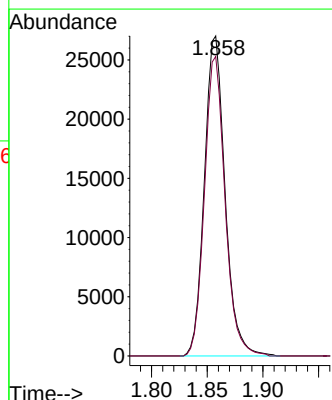
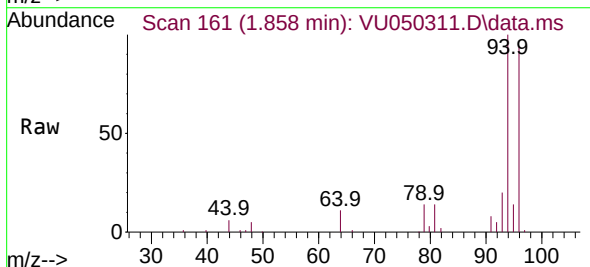
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

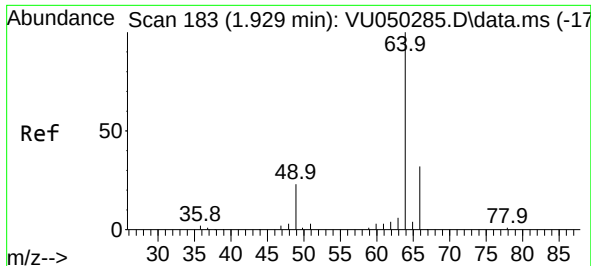
Tgt Ion: 62 Resp: 56682
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 5.013 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

Tgt Ion: 94 Resp: 34916
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.3 121.3

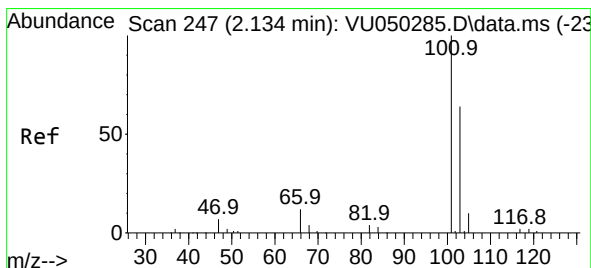
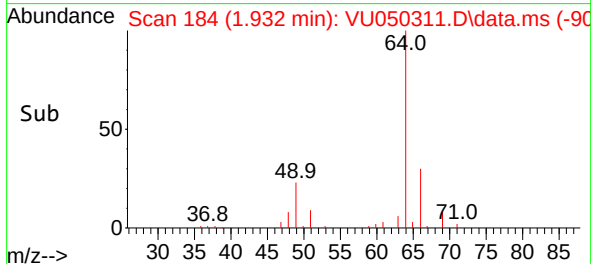
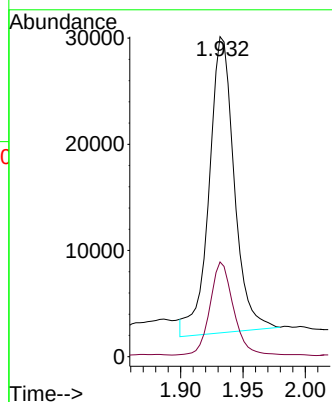
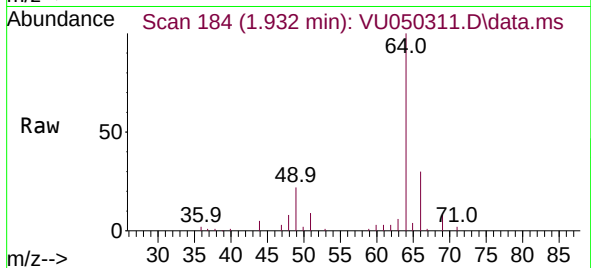




#8
Chloroethane
Concen: 6.095 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

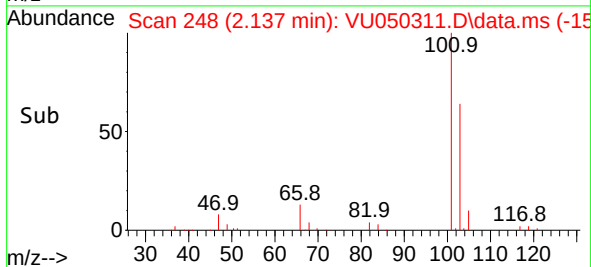
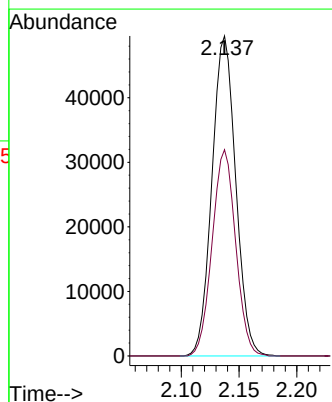
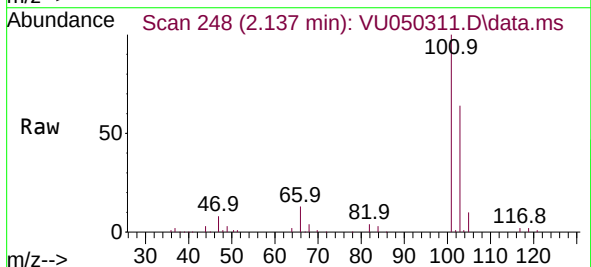
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

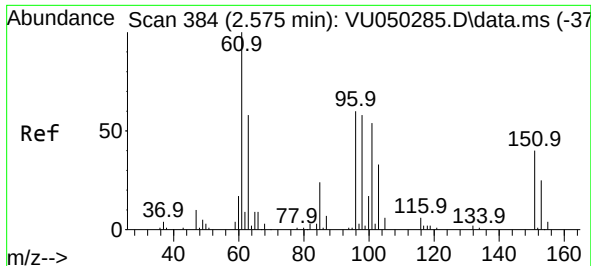
Tgt Ion: 64 Resp: 39186
Ion Ratio Lower Upper
64 100
66 29.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.944 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:101 Resp: 71019
Ion Ratio Lower Upper
101 100
103 63.6 52.6 78.8





#10

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

Concen: 6.309 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

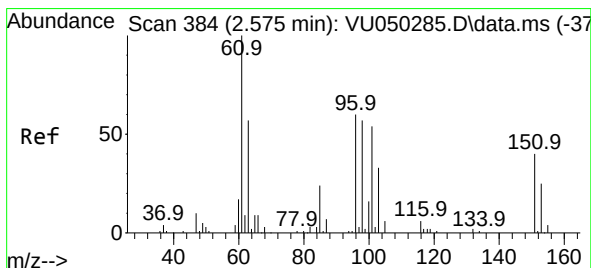
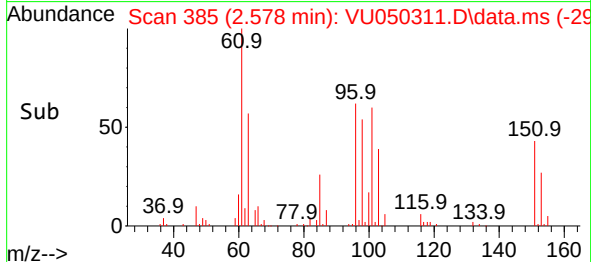
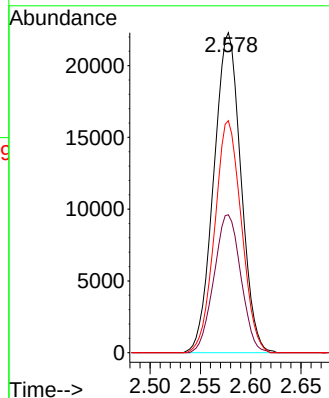
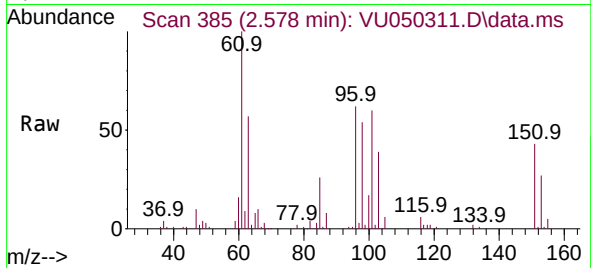
Tgt Ion:101 Resp: 41933

Ion Ratio Lower Upper

101 100

85 42.6 35.6 53.4

151 71.3 55.2 82.8



#12

1,1-Dichloroethene

Concen: 5.531 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

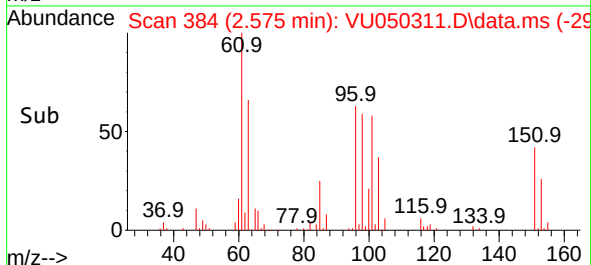
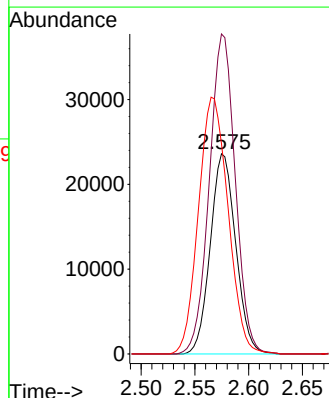
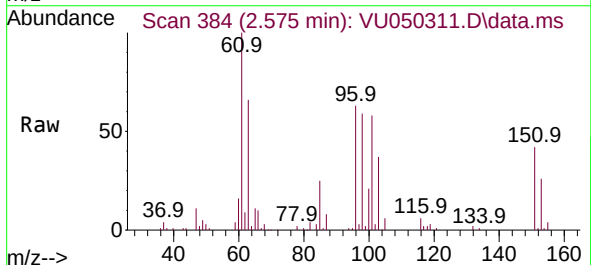
Tgt Ion: 96 Resp: 38826

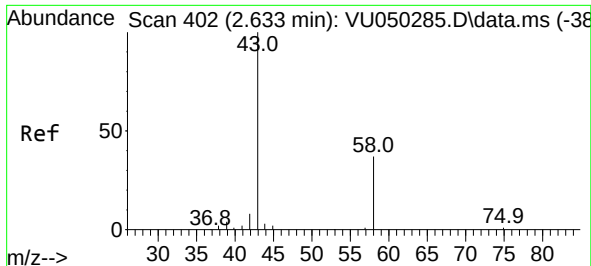
Ion Ratio Lower Upper

96 100

61 159.9 122.7 227.9

63 105.1 85.1 158.1





#13

Acetone

Concen: 60.822 ug/L

RT: 2.658 min Scan# 41

Delta R.T. 0.026 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

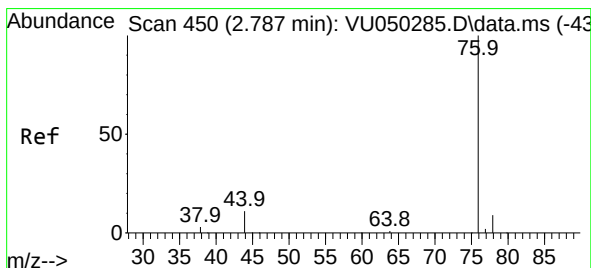
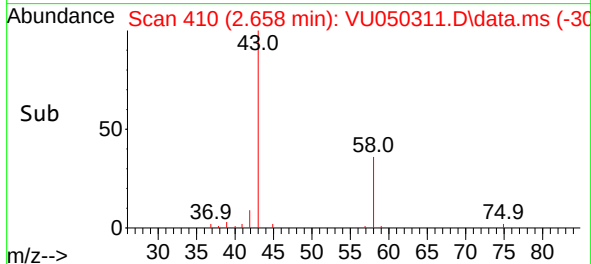
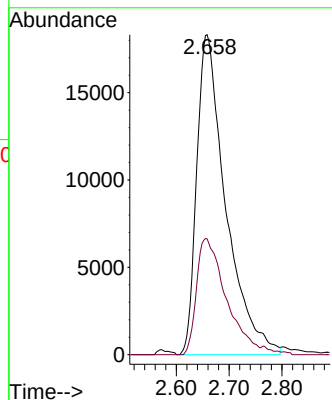
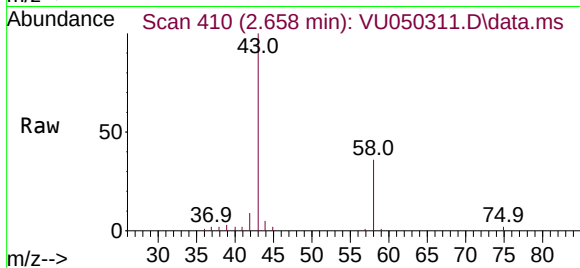
VSTD005161

Tgt Ion: 43 Resp: 69812

Ion Ratio Lower Upper

43 100

58 36.8 0.0 64.0



#14

Carbon disulfide

Concen: 4.982 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050311.D

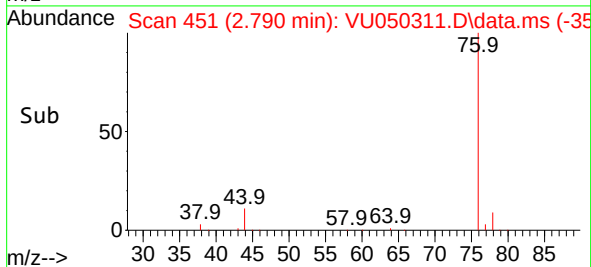
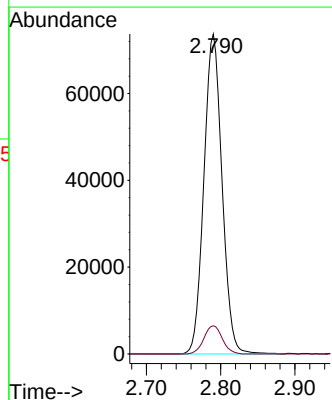
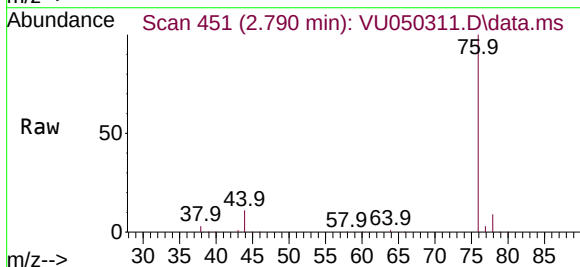
Acq: 13 Aug 2022 10:37

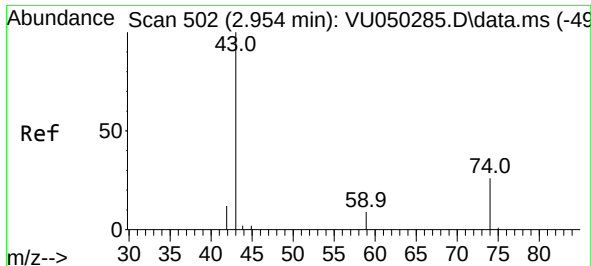
Tgt Ion: 76 Resp: 124908

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

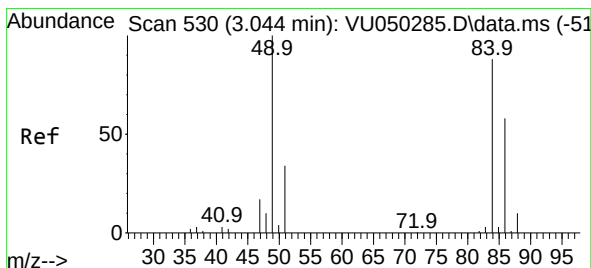
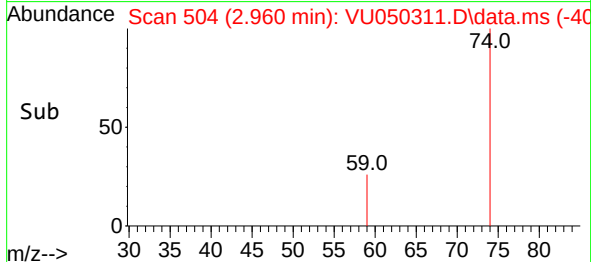
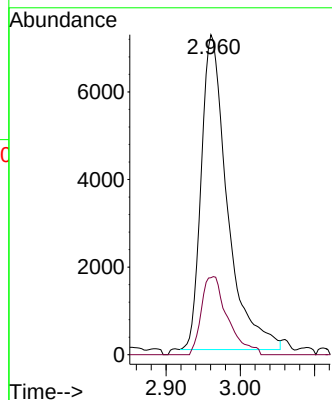
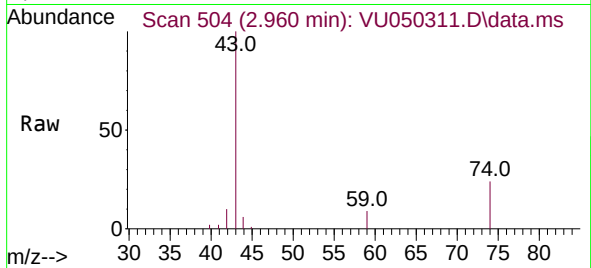




#15
Methyl Acetate
Concen: 5.605 ug/L
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

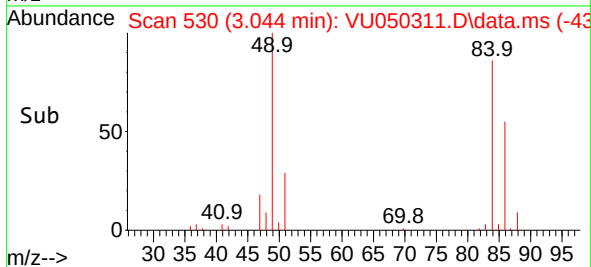
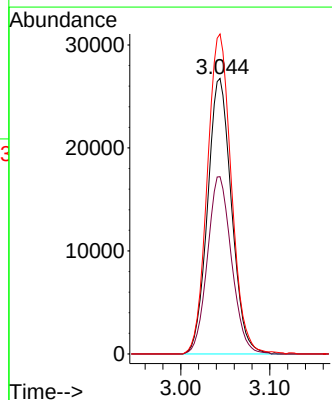
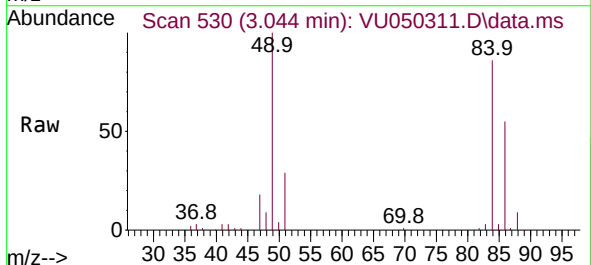
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

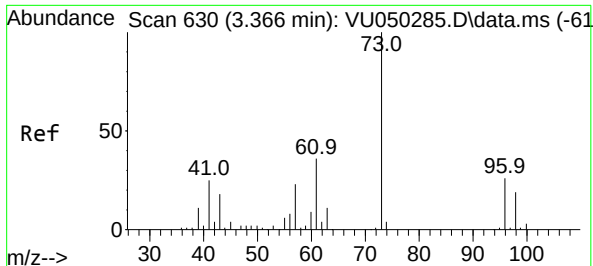
Tgt Ion: 43 Resp: 17566
Ion Ratio Lower Upper
43 100
74 24.8 22.7 34.1



#16
Methylene chloride
Concen: 4.651 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 84 Resp: 49892
Ion Ratio Lower Upper
84 100
86 64.4 45.9 85.3
49 116.2 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 4.904 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

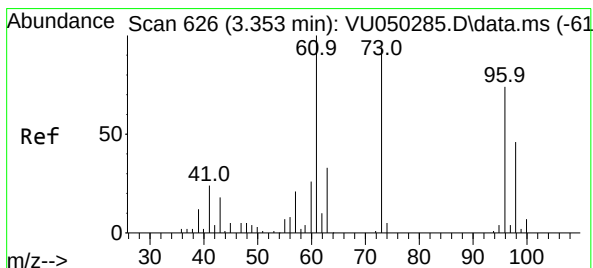
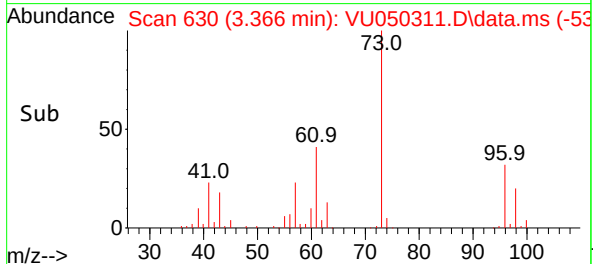
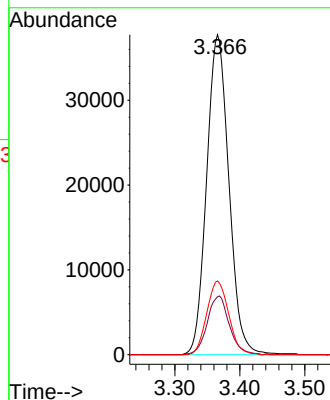
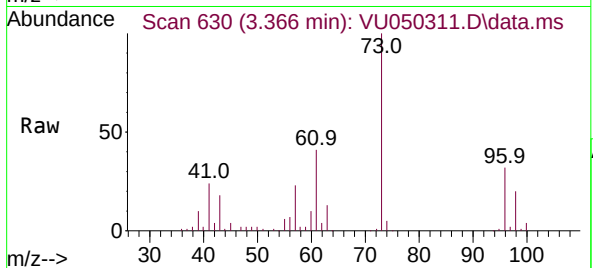
Tgt Ion: 73 Resp: 89855

Ion Ratio Lower Upper

73 100

43 18.2 13.5 20.3

57 22.6 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 5.296 ug/L

RT: 3.349 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

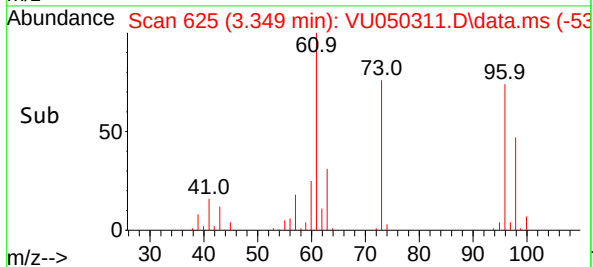
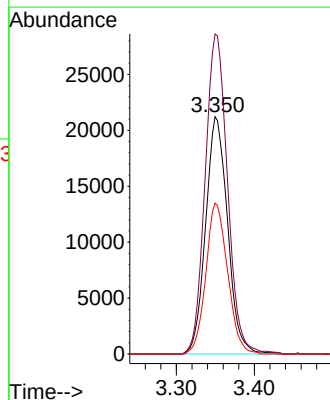
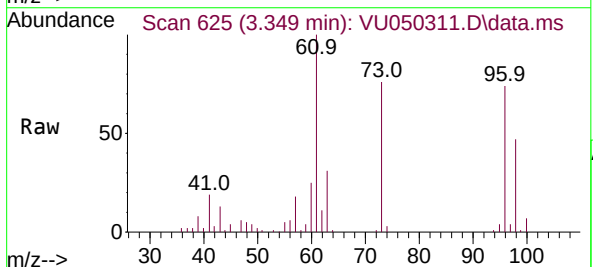
Tgt Ion: 96 Resp: 41626

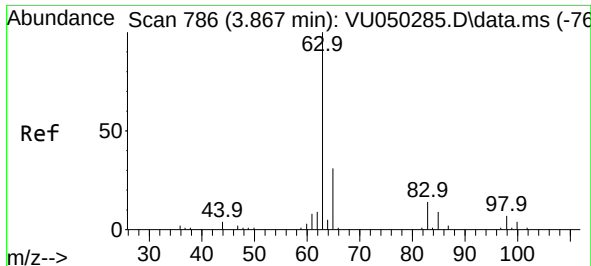
Ion Ratio Lower Upper

96 100

61 134.9 92.3 171.5

98 63.6 43.2 80.2

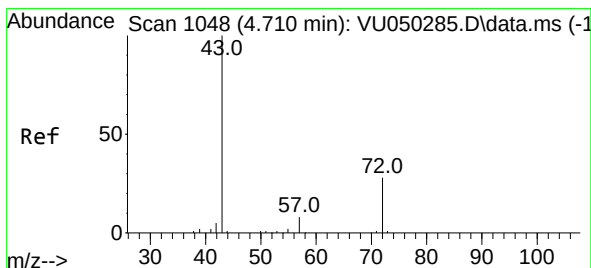
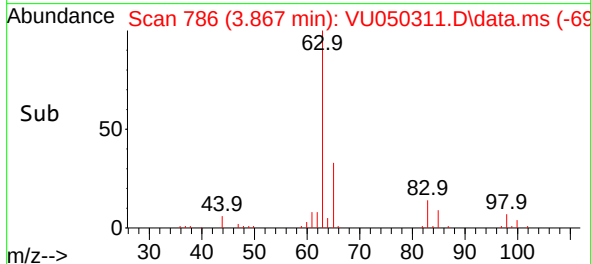
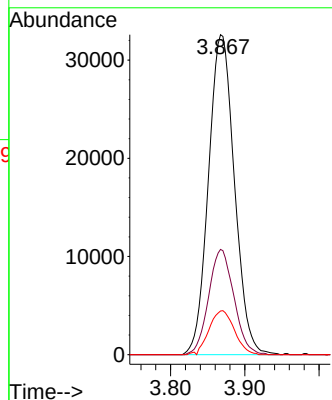
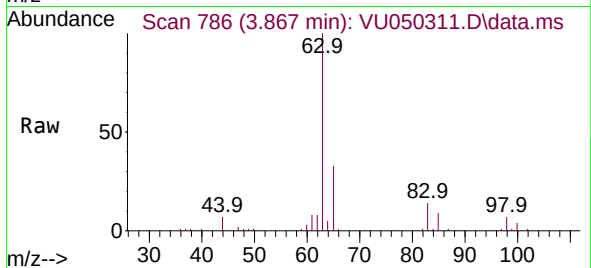




#19
1,1-Dichloroethane
Concen: 5.317 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

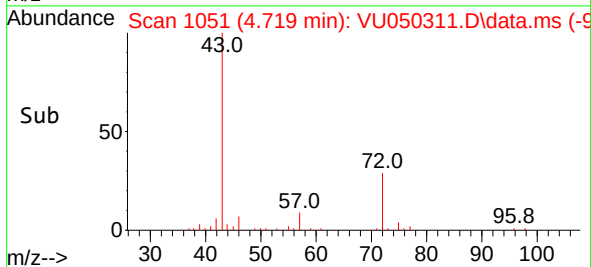
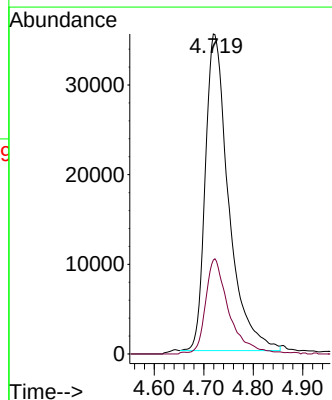
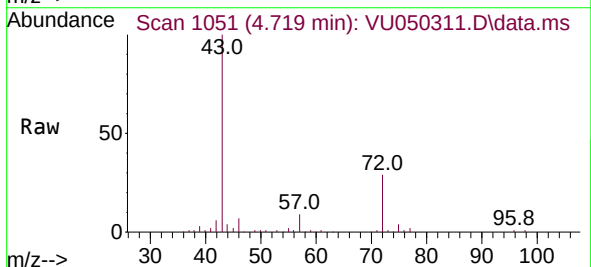
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

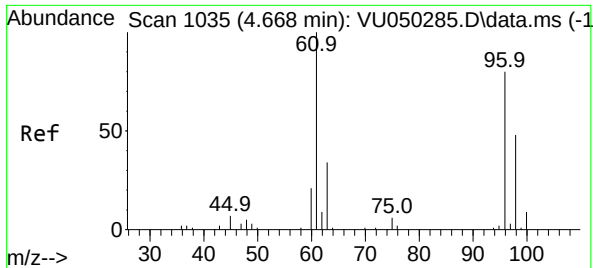
Tgt Ion: 63 Resp: 79135
Ion Ratio Lower Upper
63 100
65 32.9 22.7 42.3
83 13.6 9.8 18.2



#21
2-Butanone
Concen: 56.051 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 43 Resp: 115690
Ion Ratio Lower Upper
43 100
72 28.5 14.0 42.0

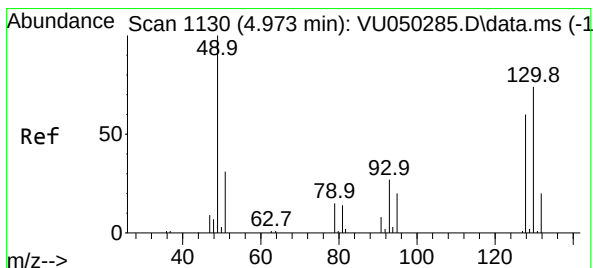
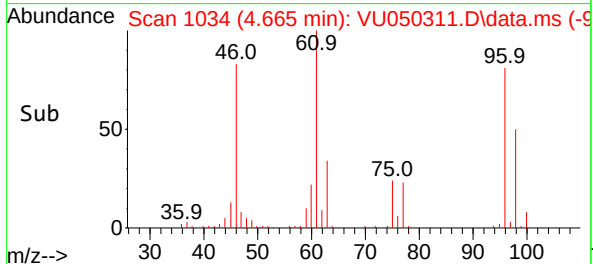
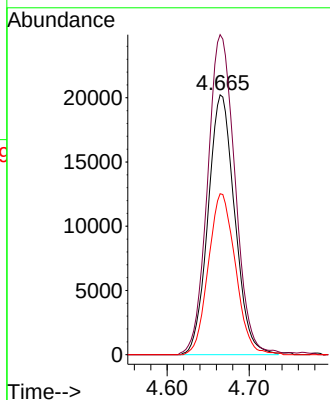
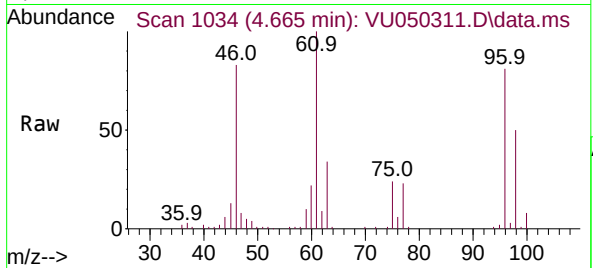




#22
 cis-1,2-Dichloroethene
 Concen: 5.252 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

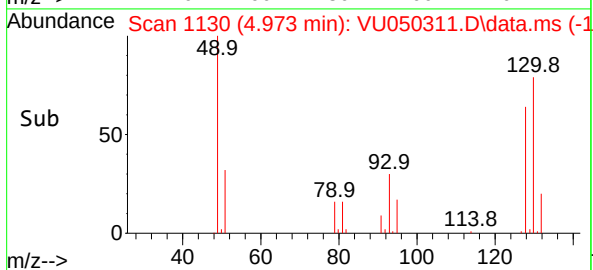
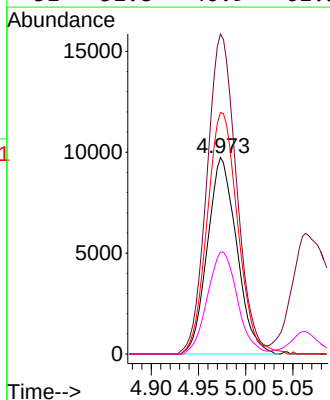
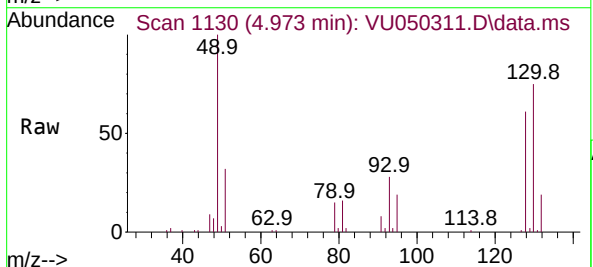
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

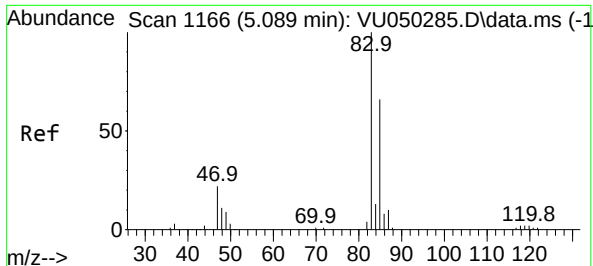
Tgt Ion:	96	Resp:	45818
Ion	Ratio	Lower	Upper
96	100		
61	123.1	89.0	165.4
98	61.9	45.2	84.0



#23
 Bromochloromethane
 Concen: 5.028 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

Tgt Ion:	128	Resp:	20964
Ion	Ratio	Lower	Upper
128	100		
49	162.9	111.4	206.8
130	122.9	90.2	167.4
51	51.8	40.9	61.3





#25

Chloroform

Concen: 5.256 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

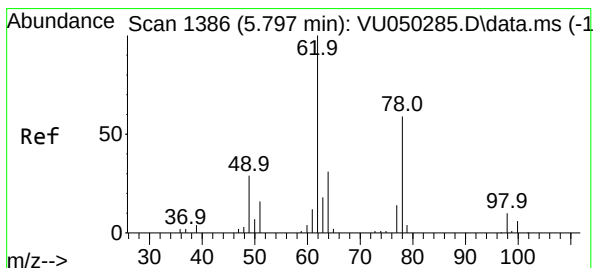
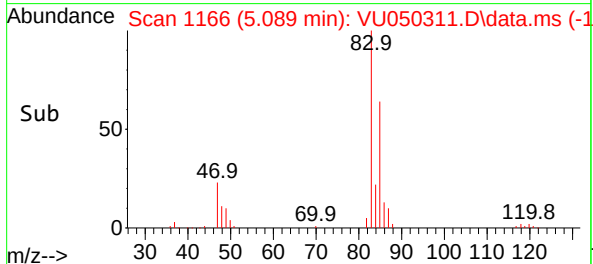
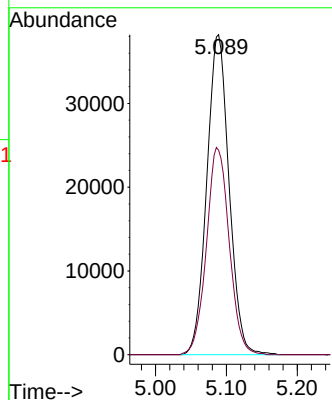
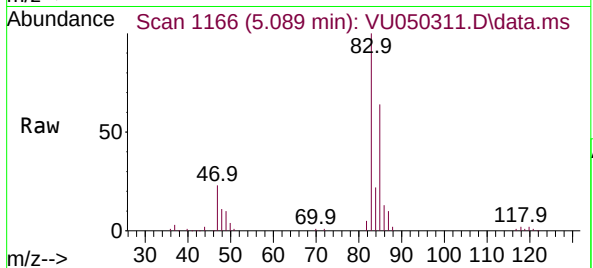
VSTD005161

Tgt Ion: 83 Resp: 83400

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.014 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU050311.D

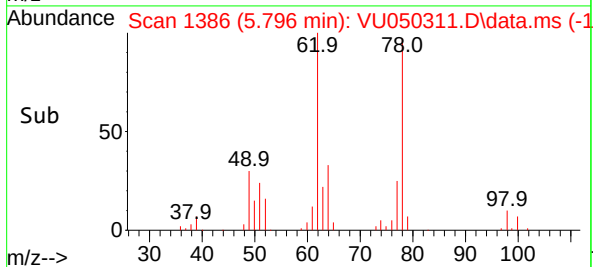
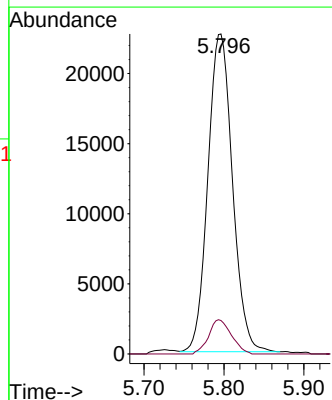
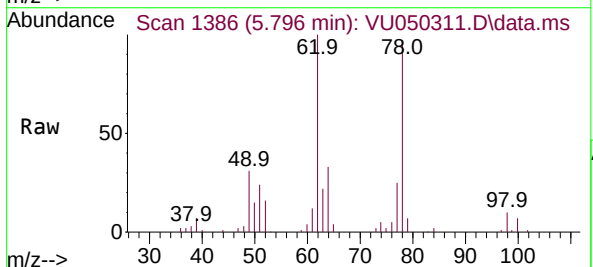
Acq: 13 Aug 2022 10:37

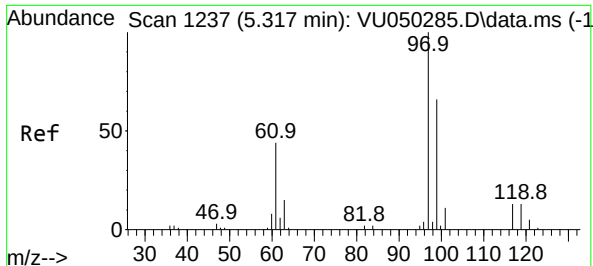
Tgt Ion: 62 Resp: 48420

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.622 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

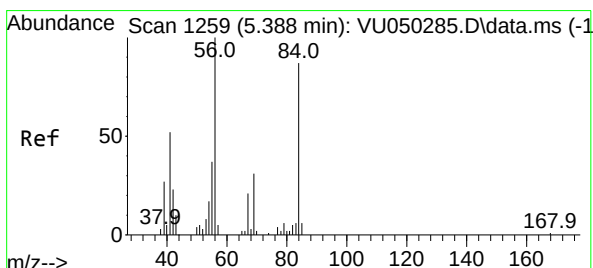
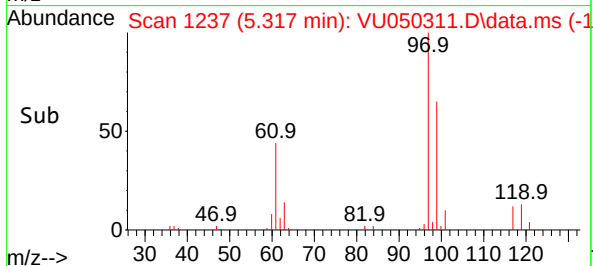
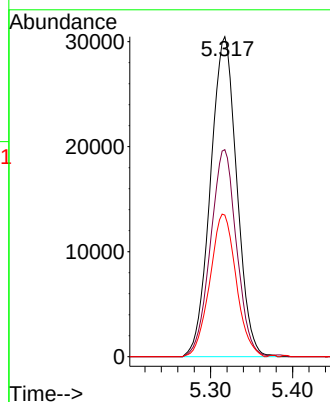
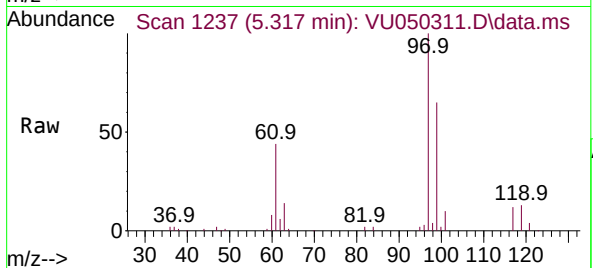
Tgt Ion: 97 Resp: 67867

Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 44.5 34.2 51.4



#30

Cyclohexane

Concen: 6.119 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

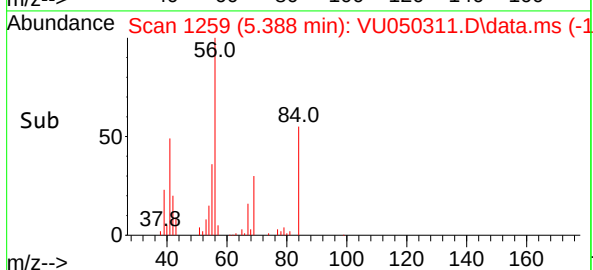
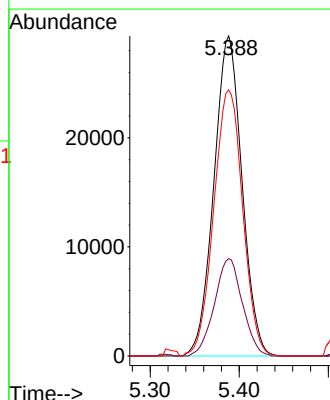
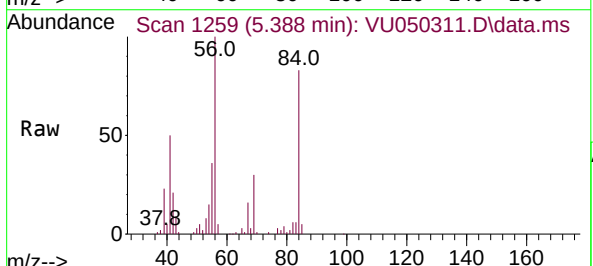
Tgt Ion: 56 Resp: 64347

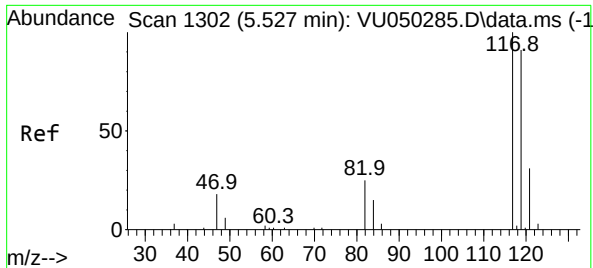
Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

84 85.6 69.1 103.7

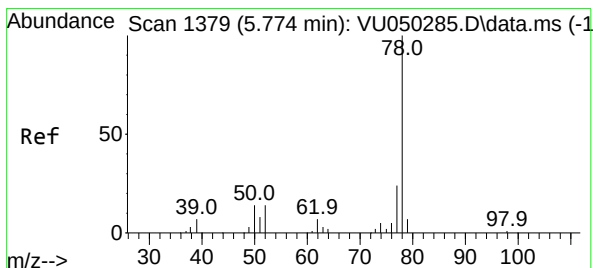
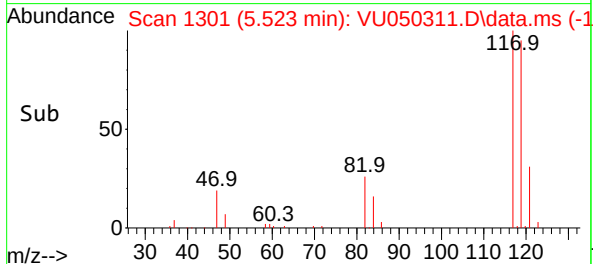
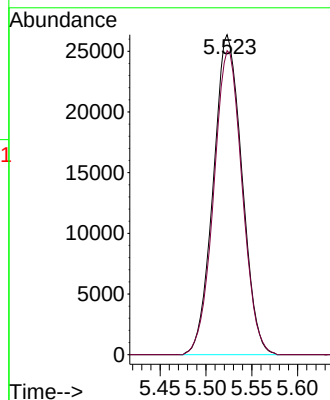
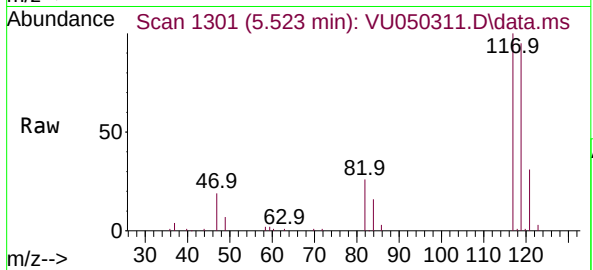




#31
Carbon tetrachloride
Concen: 5.782 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

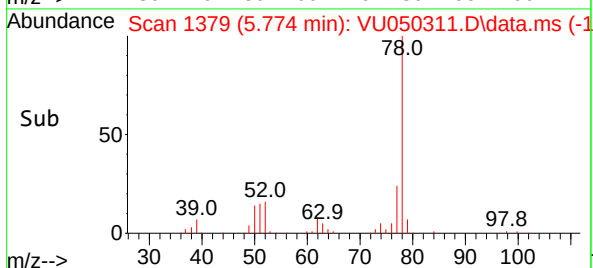
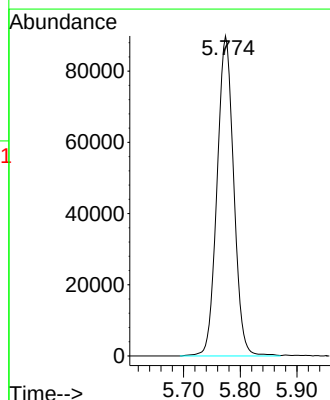
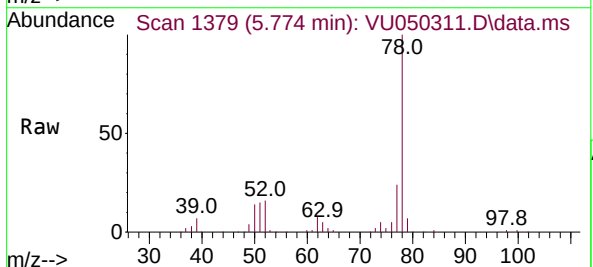
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

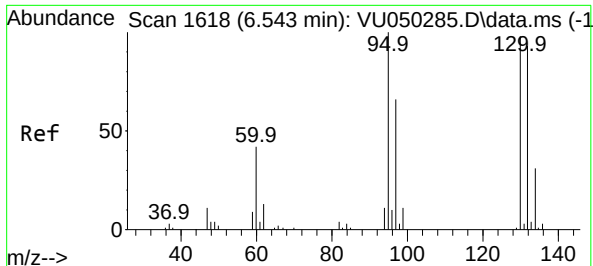
Tgt Ion:117 Resp: 57208
Ion Ratio Lower Upper
117 100
119 94.5 76.0 114.0



#33
Benzene
Concen: 5.325 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 78 Resp: 183597



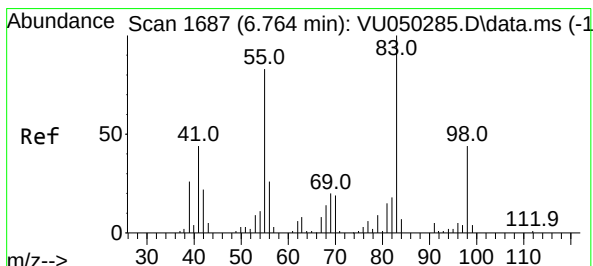
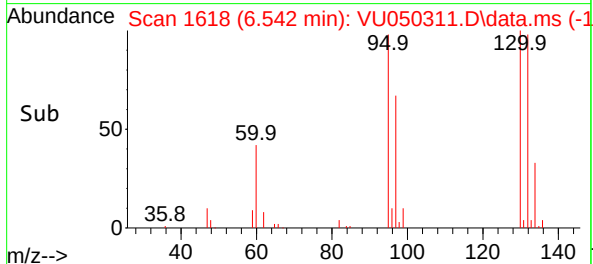
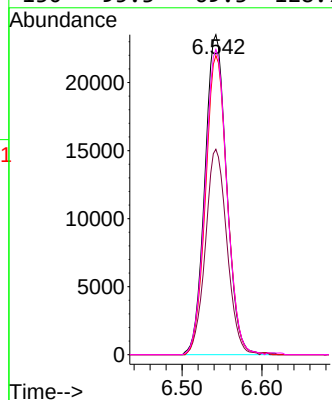
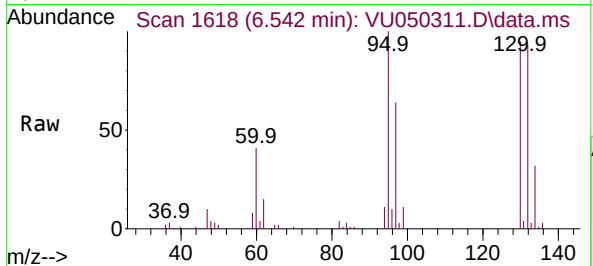


#34
Trichloroethene
Concen: 5.343 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

Tgt Ion: 95 Resp: 44549

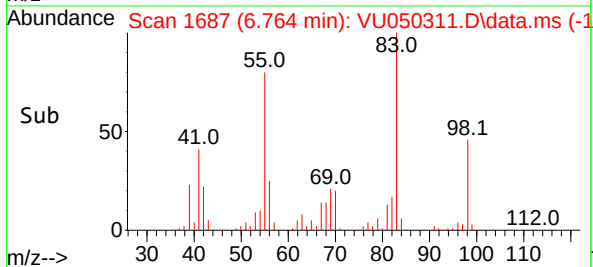
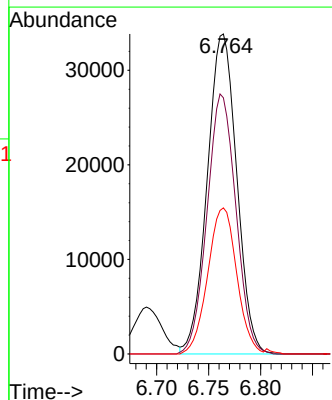
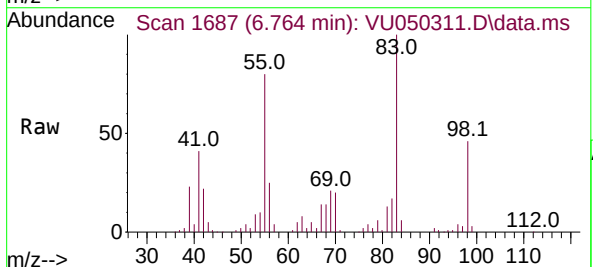
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.8
132	93.4	65.0	120.6
130	95.3	69.3	128.7

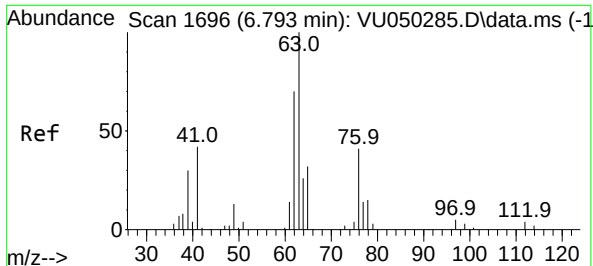


#35
Methylcyclohexane
Concen: 6.216 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 83 Resp: 66904

Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.7	94.1
98	44.8	36.2	54.2





#37

1,2-Dichloropropane

Concen: 5.251 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

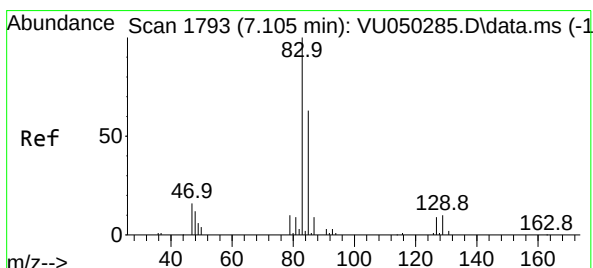
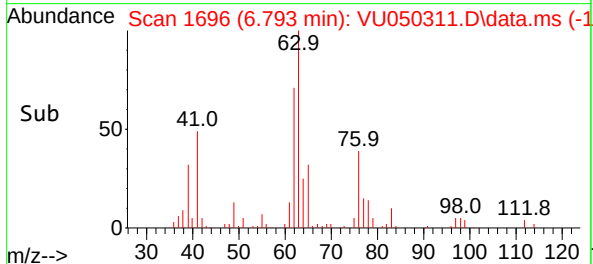
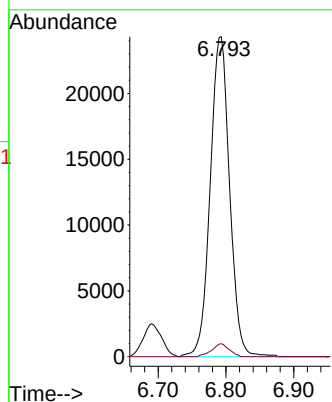
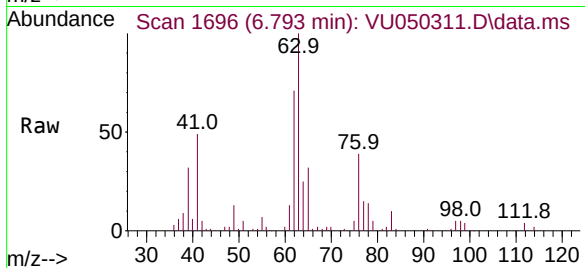
VSTD005161

Tgt Ion: 63 Resp: 48218

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



#38

Bromodichloromethane

Concen: 5.293 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

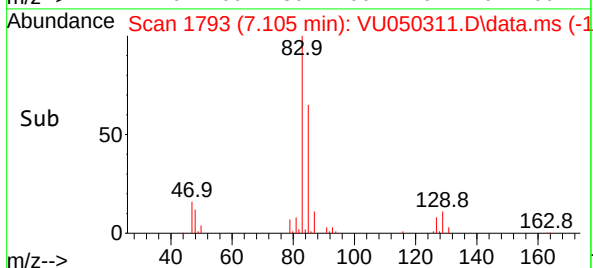
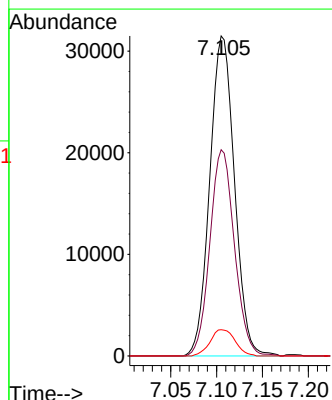
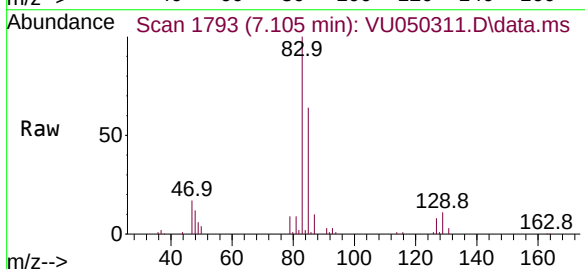
Tgt Ion: 83 Resp: 59044

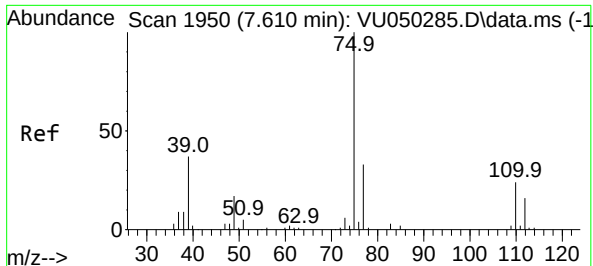
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 8.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.082 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

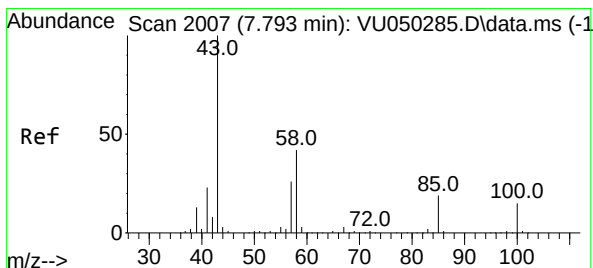
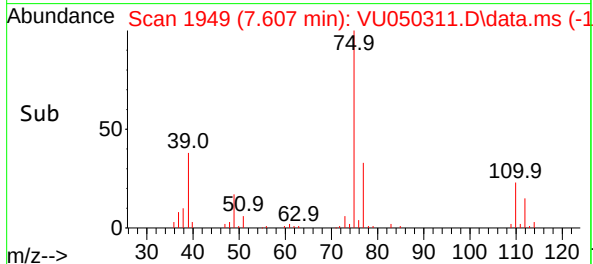
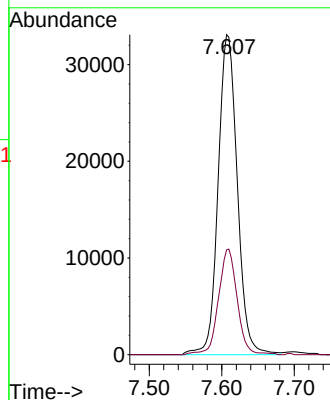
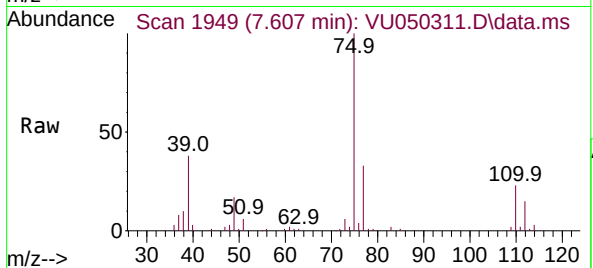
VSTD005161

Tgt Ion: 75 Resp: 60902

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 50.203 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

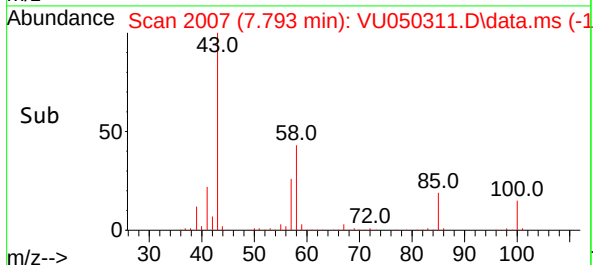
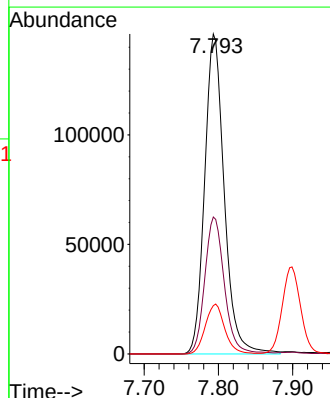
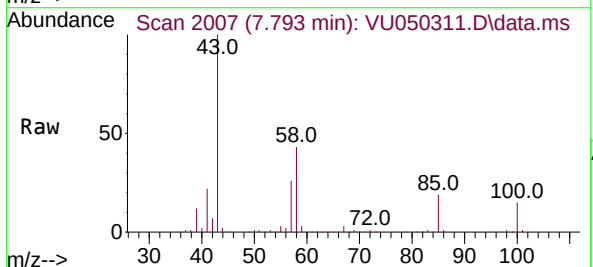
Tgt Ion: 43 Resp: 267017

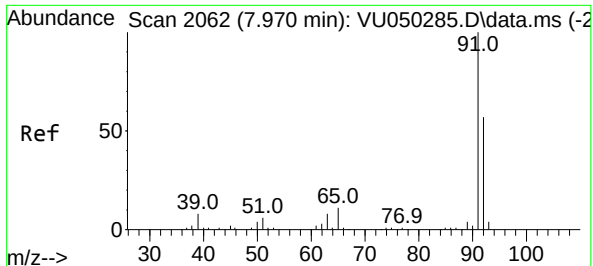
Ion Ratio Lower Upper

43 100

58 42.9 34.6 51.8

100 15.5 13.0 19.4





#42

Toluene

Concen: 5.522 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

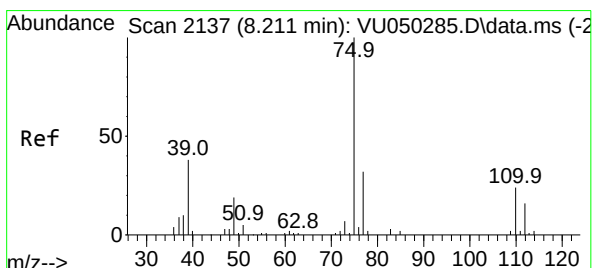
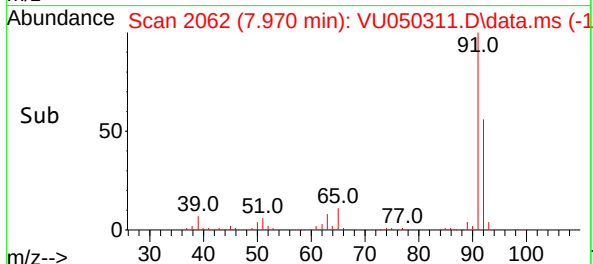
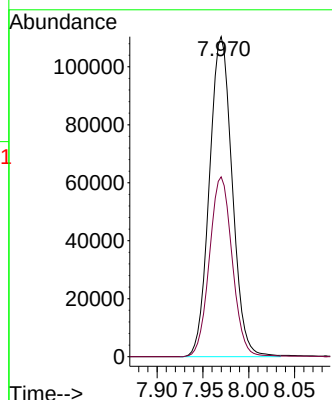
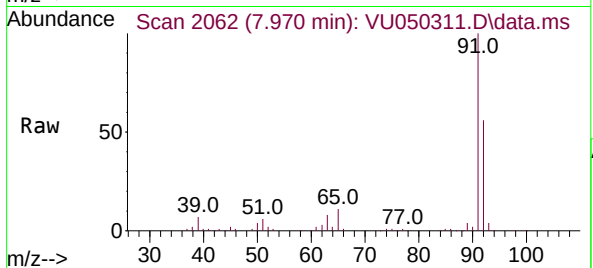
VSTD005161

Tgt Ion: 91 Resp: 190919

Ion Ratio Lower Upper

91 100

92 56.2 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.104 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU050311.D

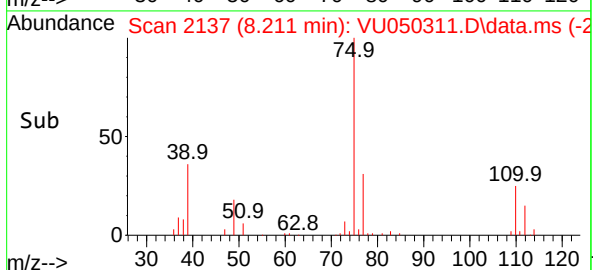
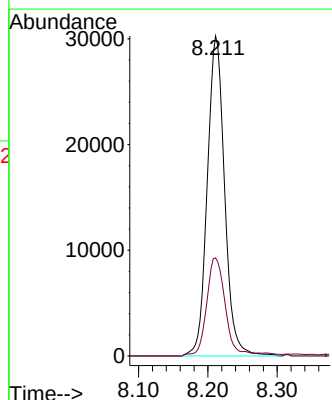
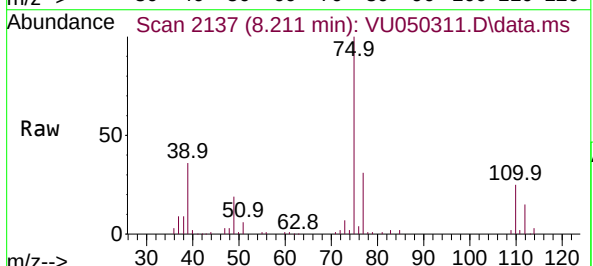
Acq: 13 Aug 2022 10:37

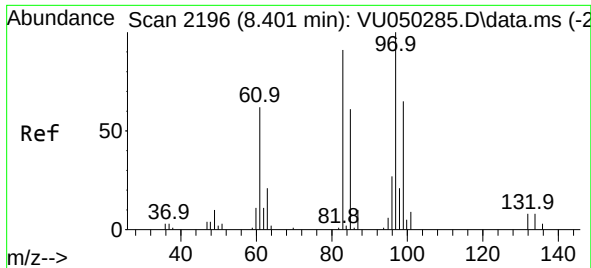
Tgt Ion: 75 Resp: 52464

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8

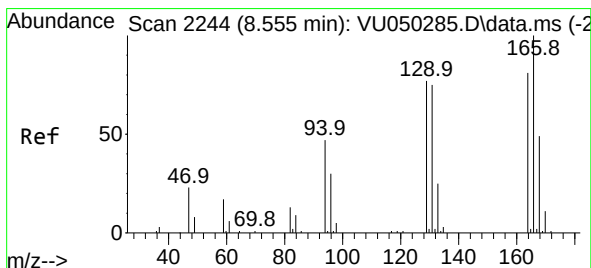
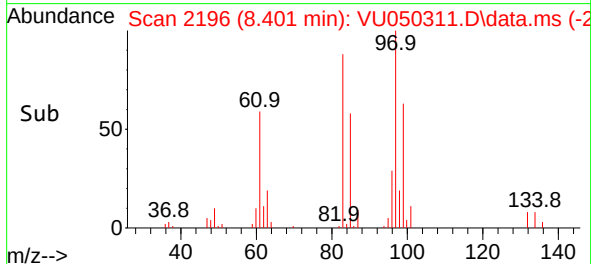
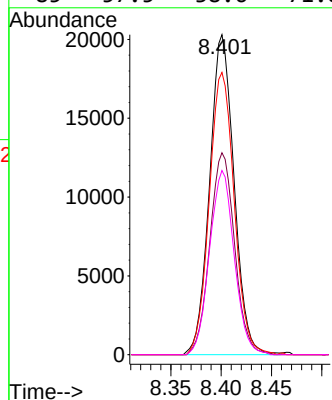
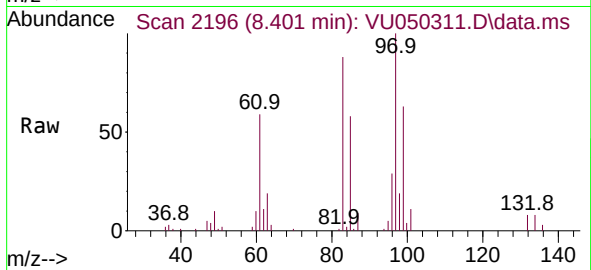




#45
1,1,2-Trichloroethane
Concen: 4.998 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

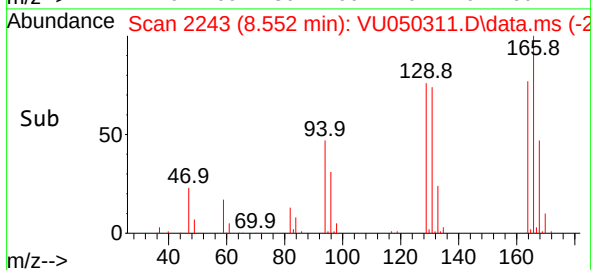
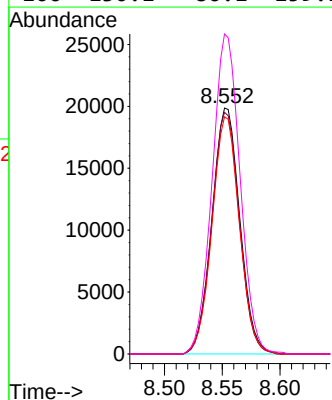
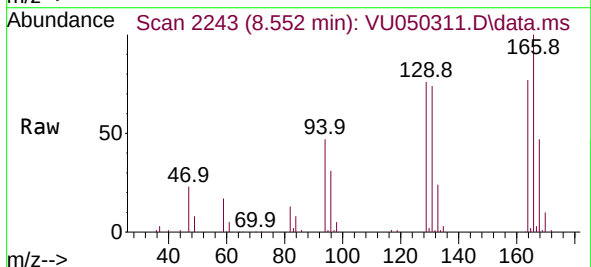
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

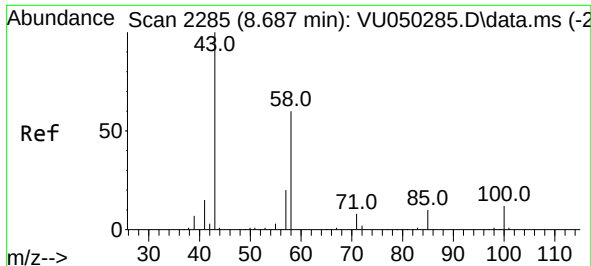
Tgt Ion:	97	Resp:	34305
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.2	78.4
83	88.2	59.6	110.6
85	57.5	38.6	71.8



#47
Tetrachloroethene
Concen: 5.576 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:	164	Resp:	33310
Ion	Ratio	Lower	Upper
164	100		
129	98.3	69.0	128.1
131	96.5	65.8	122.2
166	130.1	86.1	159.9



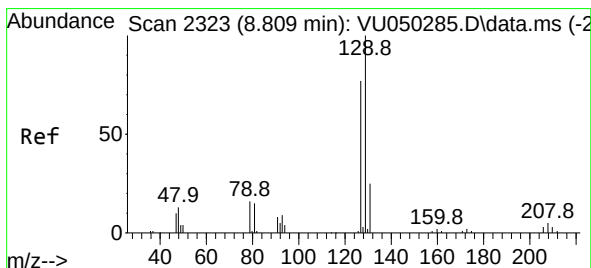
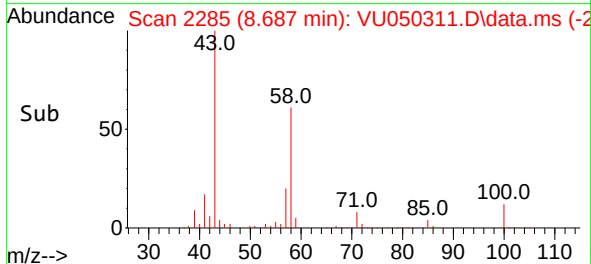
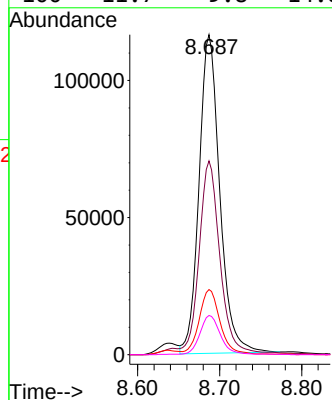
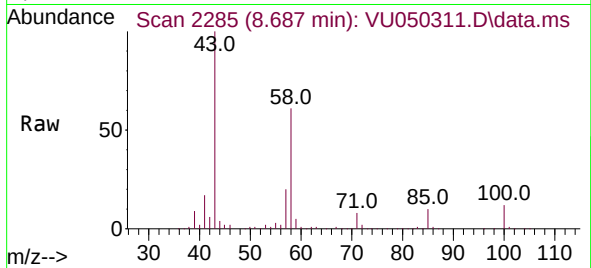


#48
2-Hexanone
Concen: 49.579 ug/L
RT: 8.687 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

Tgt Ion: 43 Resp: 203955

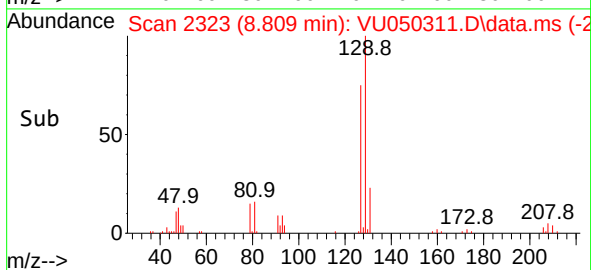
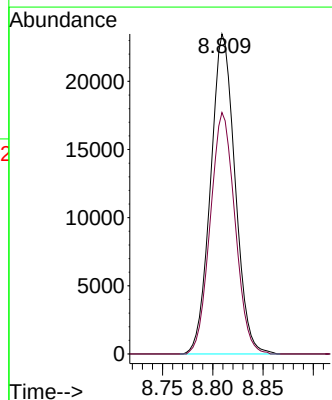
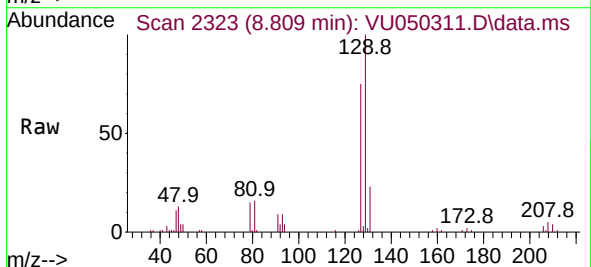
Ion	Ratio	Lower	Upper
43	100		
58	62.2	50.6	76.0
57	20.5	16.0	24.0
100	11.7	9.8	14.8

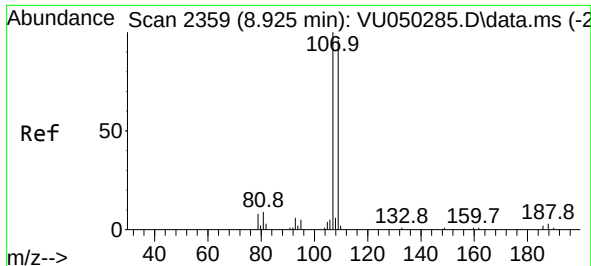


#49
Dibromochloromethane
Concen: 5.229 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 129 Resp: 39731

Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.3	102.7

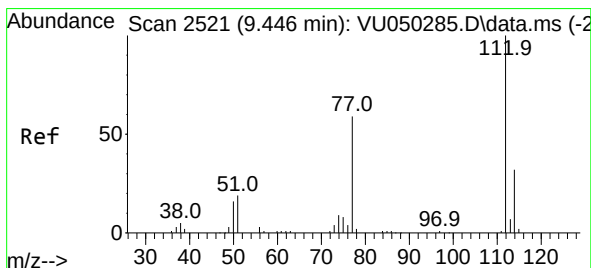
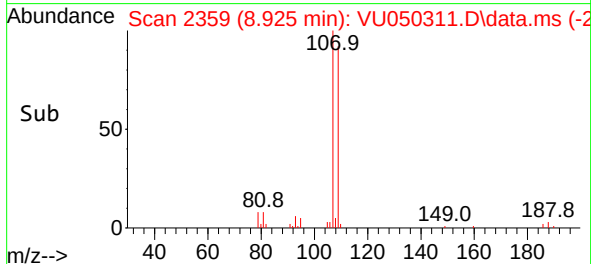
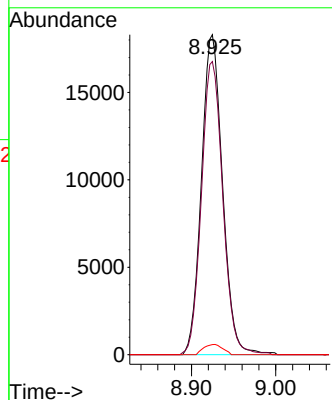
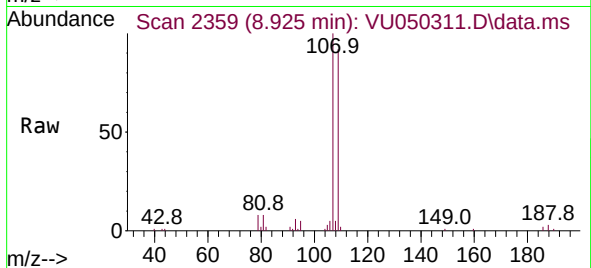




#50
1,2-Dibromoethane
Concen: 5.135 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

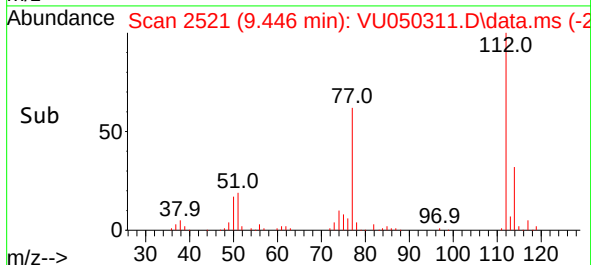
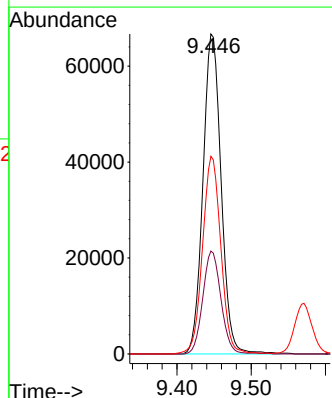
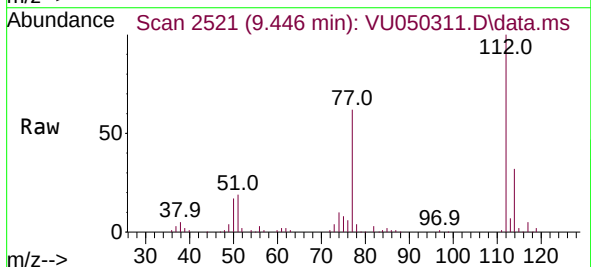
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

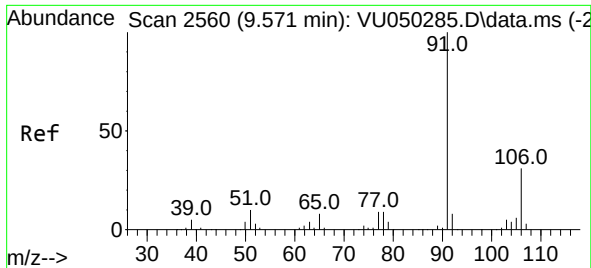
Tgt Ion:107 Resp: 31959
Ion Ratio Lower Upper
107 100
109 91.6 66.6 123.6
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 5.209 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:112 Resp: 113309
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 61.8 46.3 69.5

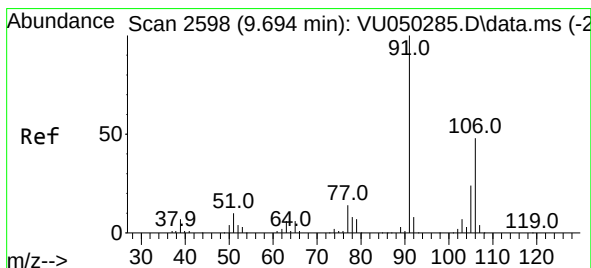
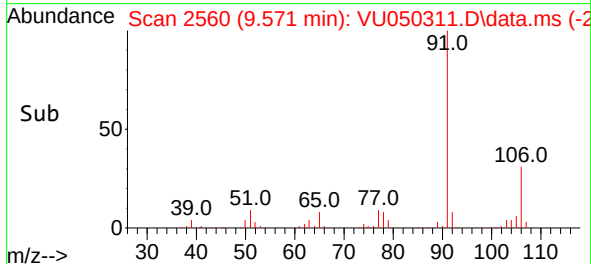
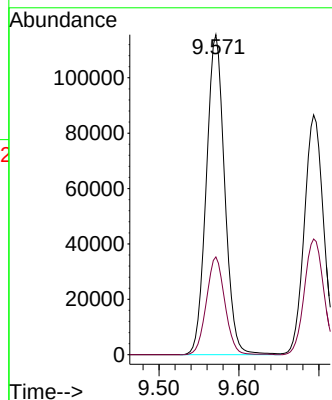
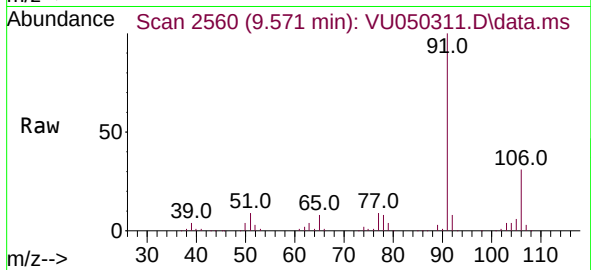




#52
Ethylbenzene
Concen: 5.479 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

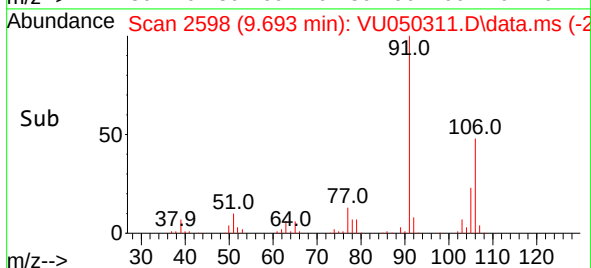
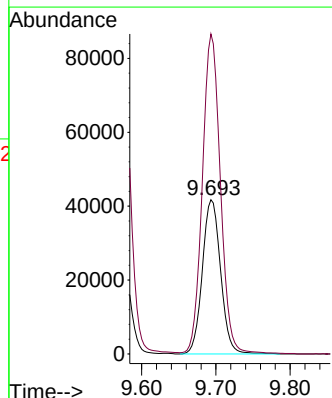
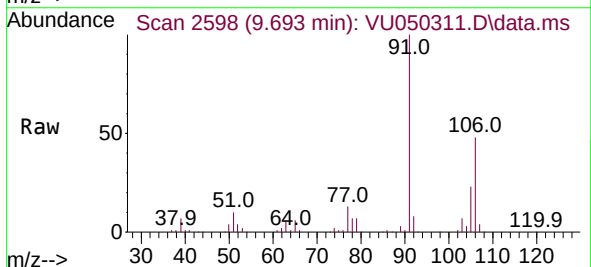
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

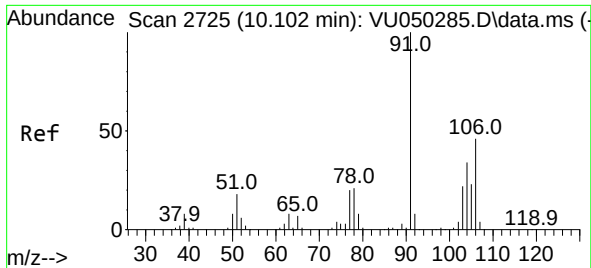
Tgt Ion: 91 Resp: 184849
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5



#53
m,p-Xylene
Concen: 5.740 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 106 Resp: 71320
Ion Ratio Lower Upper
106 100
91 207.4 143.1 265.9

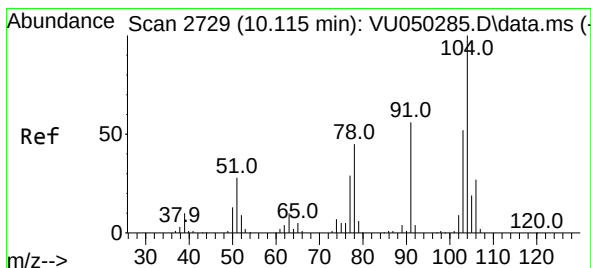
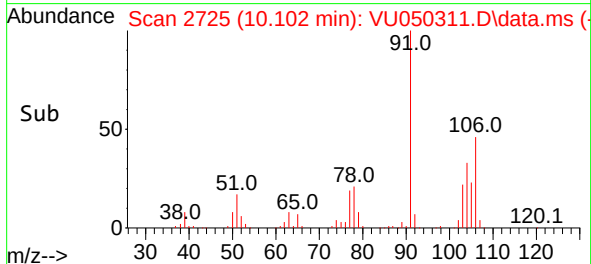
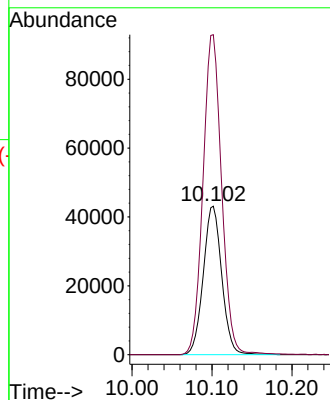
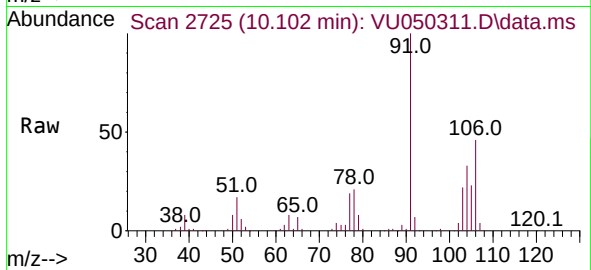




#54
o-Xylene
Concen: 5.601 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

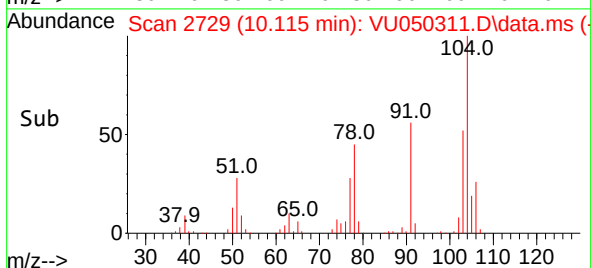
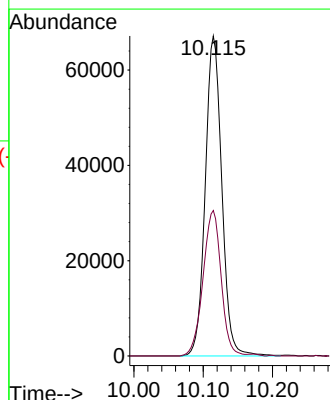
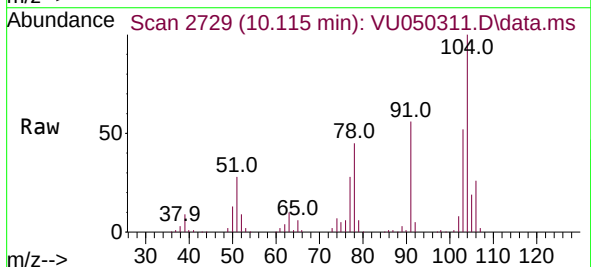
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

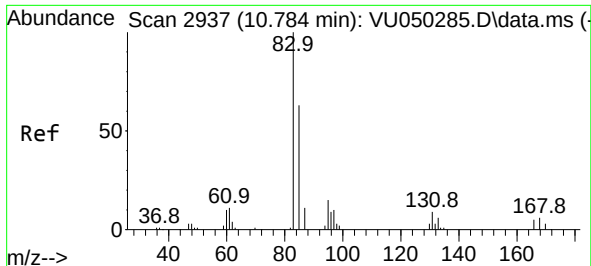
Tgt Ion:106 Resp: 69464
Ion Ratio Lower Upper
106 100
91 215.4 149.4 277.4



#55
Styrene
Concen: 5.366 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:104 Resp: 111191
Ion Ratio Lower Upper
104 100
78 45.4 31.9 59.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.075 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

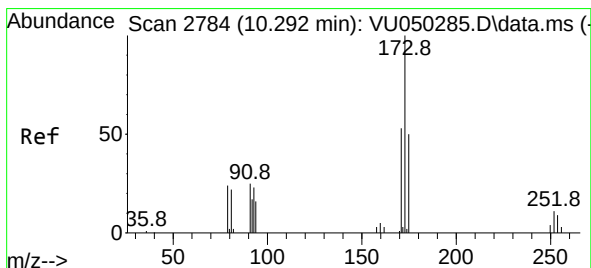
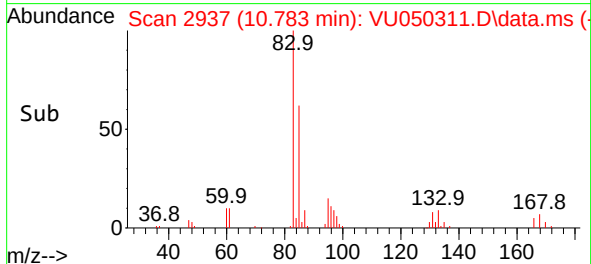
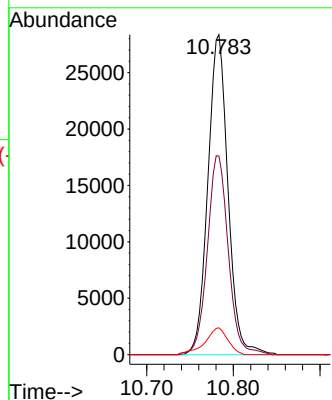
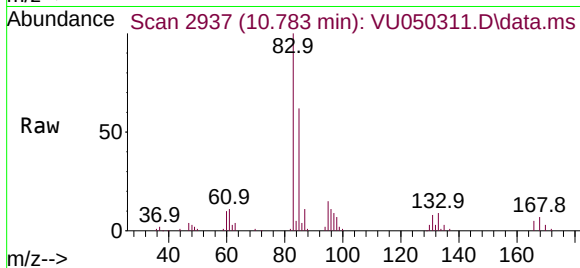
Tgt Ion: 83 Resp: 45780

Ion Ratio Lower Upper

83 100

85 62.1 45.2 84.0

131 8.4 6.6 9.8



#59

Bromoform

Concen: 4.634 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

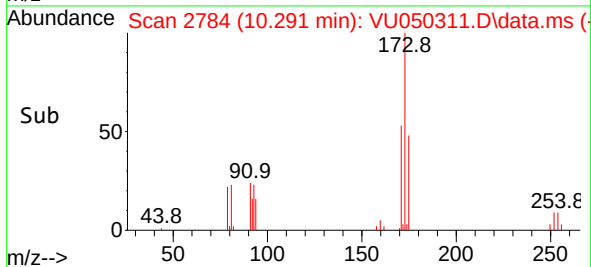
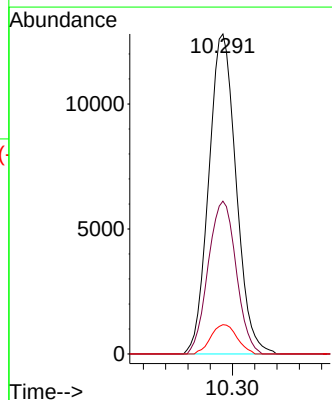
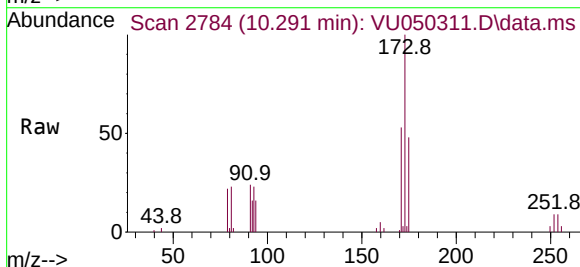
Tgt Ion: 173 Resp: 21817

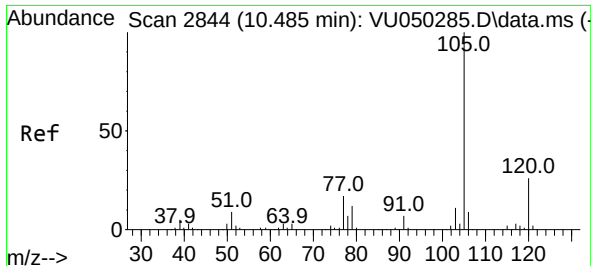
Ion Ratio Lower Upper

173 100

175 48.8 37.0 55.6

254 8.8 7.4 11.0

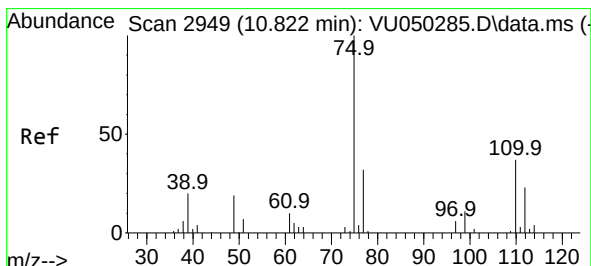
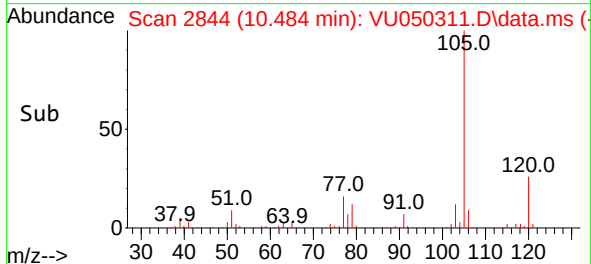
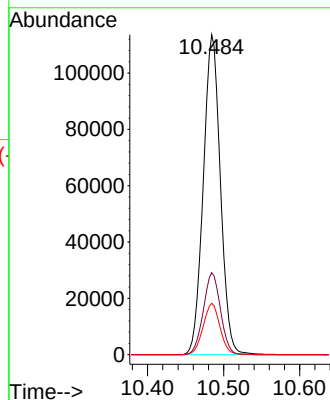
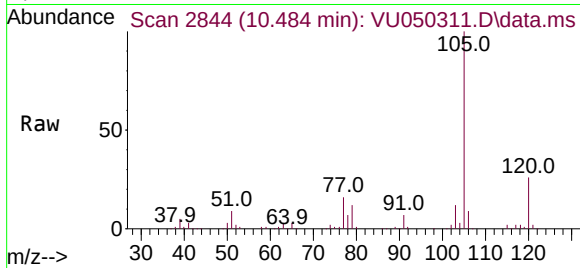




#60
Isopropylbenzene
Concen: 5.658 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

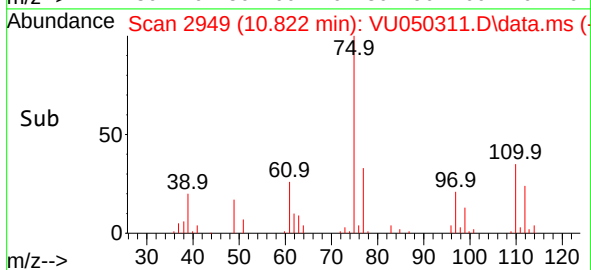
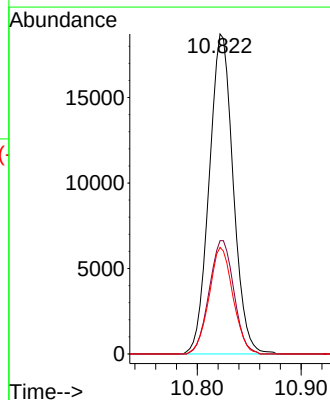
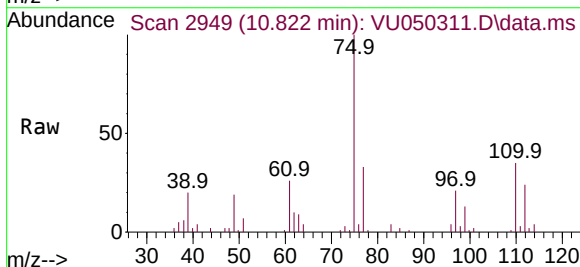
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

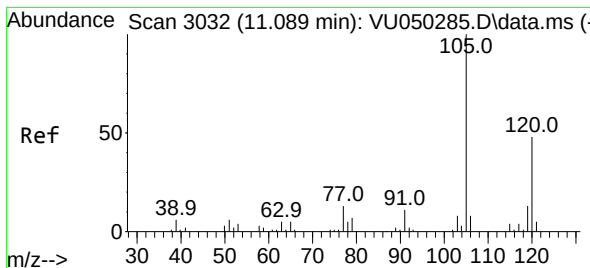
Tgt Ion:105 Resp: 177403
Ion Ratio Lower Upper
105 100
120 25.7 20.8 31.2
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.695 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion: 75 Resp: 30030
Ion Ratio Lower Upper
75 100
110 36.3 28.5 42.7
77 33.2 25.8 38.6





#62

1,3,5-Trimethylbenzene

Concen: 5.427 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

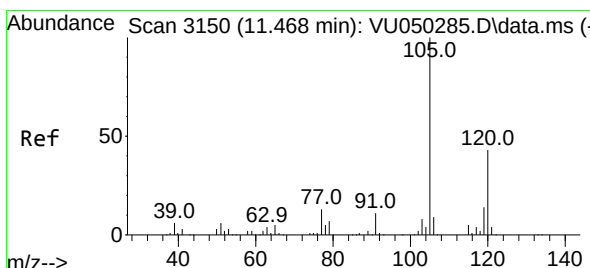
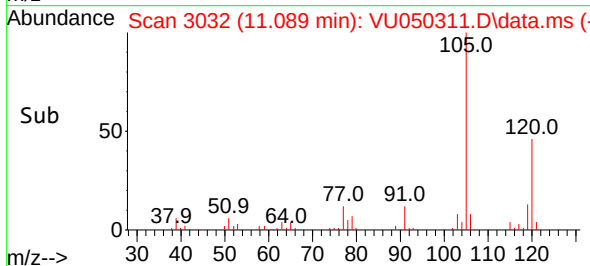
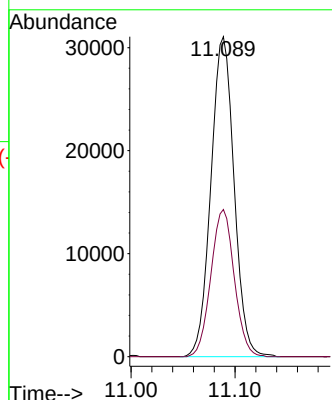
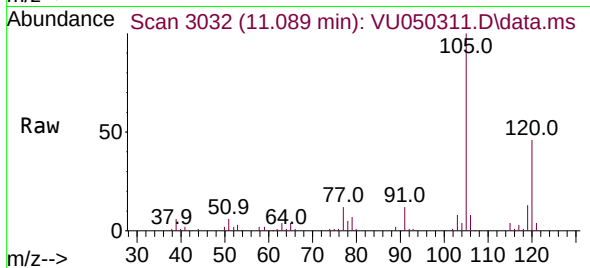
VSTD005161

Tgt Ion:105 Resp: 48077

Ion Ratio Lower Upper

105 100

120 46.4 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 5.554 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050311.D

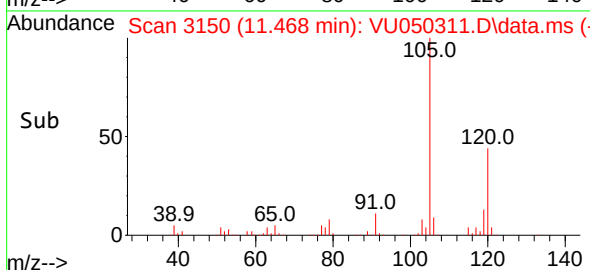
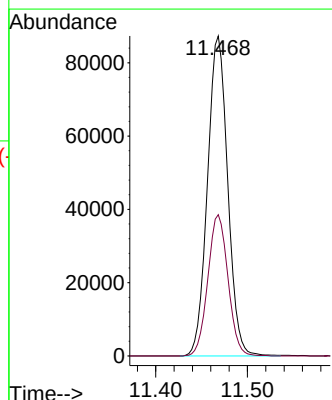
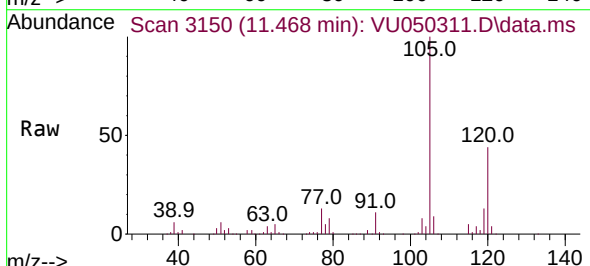
Acq: 13 Aug 2022 10:37

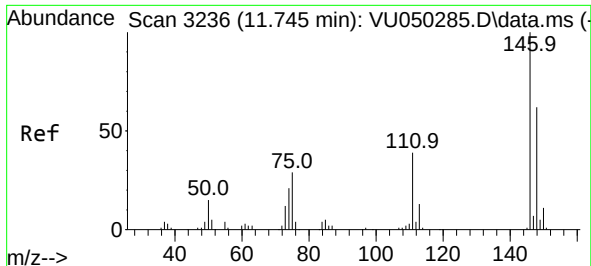
Tgt Ion:105 Resp: 134045

Ion Ratio Lower Upper

105 100

120 44.0 35.9 53.9

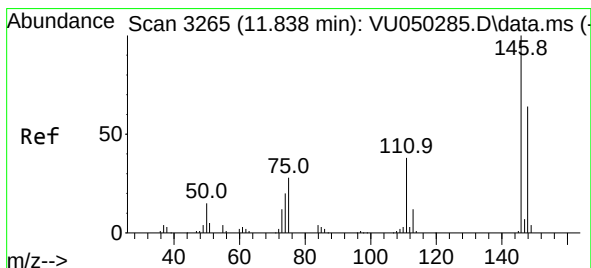
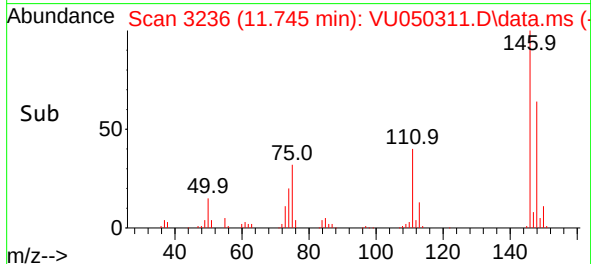
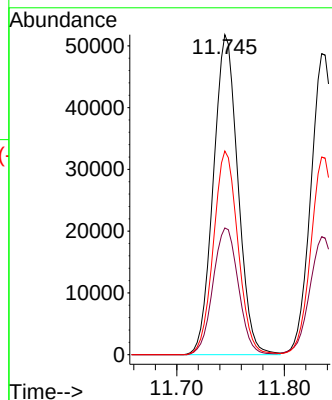
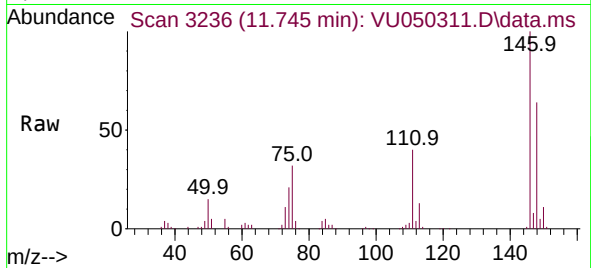




#64
1,3-Dichlorobenzene
Concen: 5.205 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

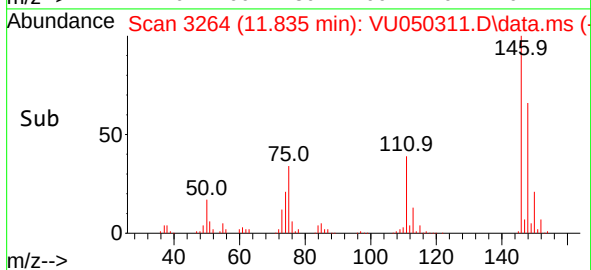
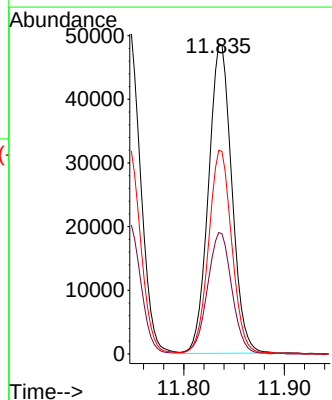
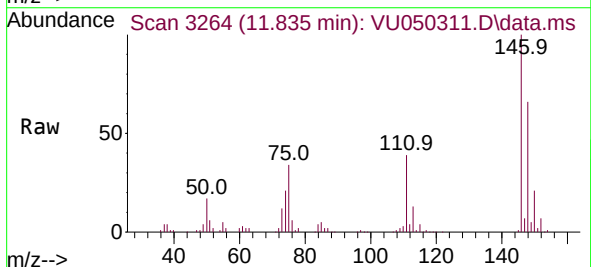
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

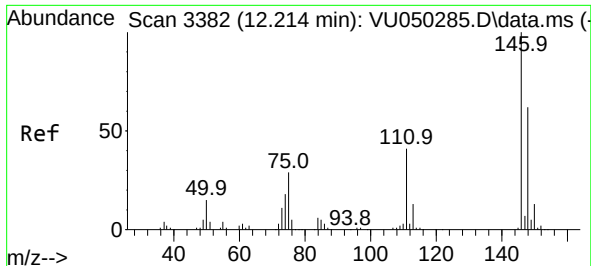
Tgt Ion:146 Resp: 82259
Ion Ratio Lower Upper
146 100
111 39.6 29.9 55.5
148 63.7 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 5.098 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:146 Resp: 78400
Ion Ratio Lower Upper
146 100
111 39.1 28.1 52.1
148 65.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.185 ug/L

RT: 12.211 min Scan# 3382

Delta R.T. -0.003 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

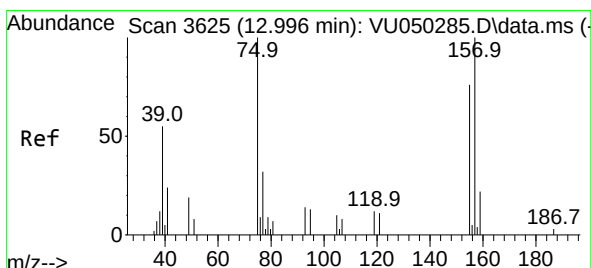
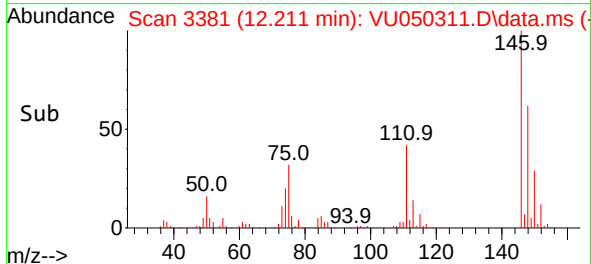
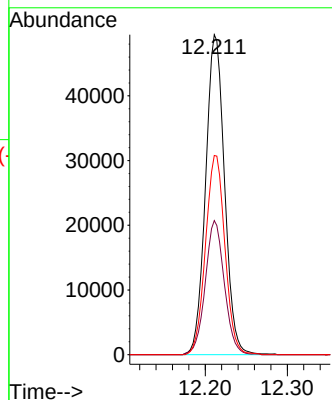
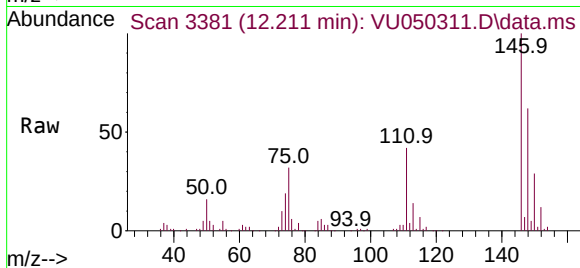
Tgt Ion:146 Resp: 79354

Ion Ratio Lower Upper

146 100

111 41.9 32.9 49.3

148 62.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.859 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050311.D

Acq: 13 Aug 2022 10:37

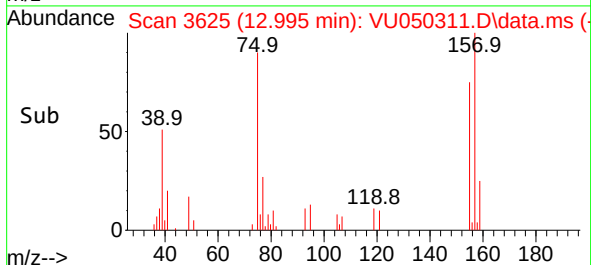
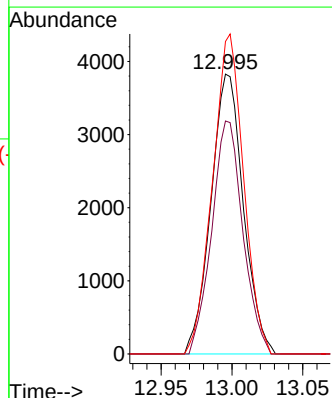
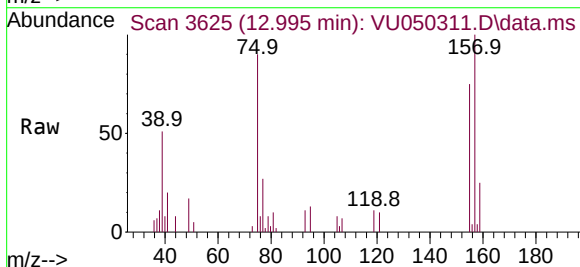
Tgt Ion: 75 Resp: 6093

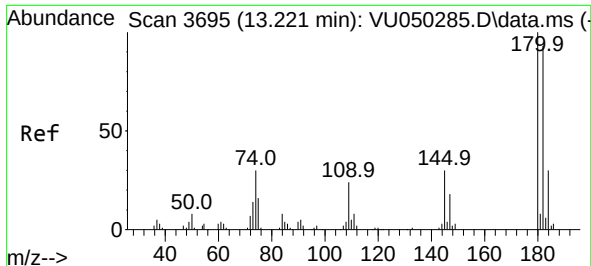
Ion Ratio Lower Upper

75 100

155 83.3 63.5 95.3

157 111.7 85.0 127.6

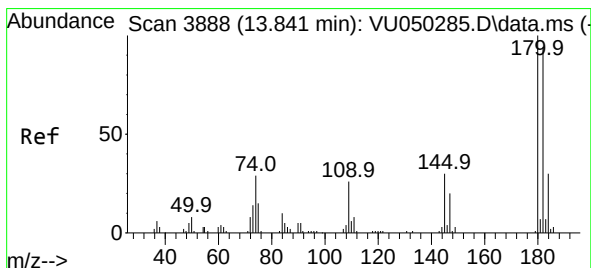
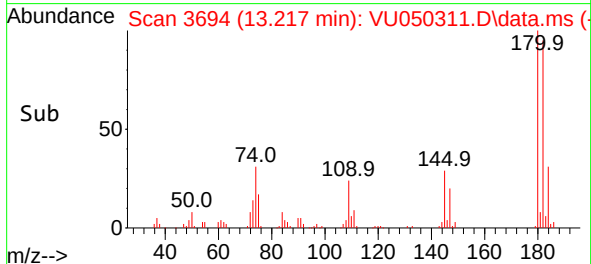
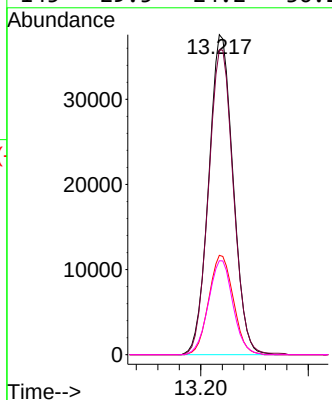
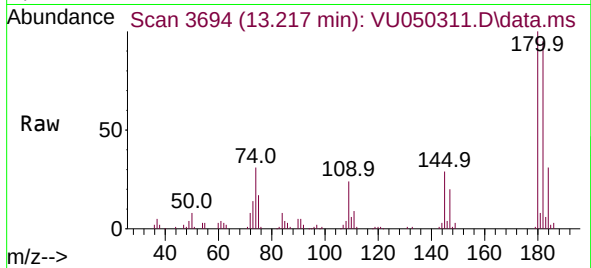




#69
 1,3,5-Trichlorobenzene
 Concen: 5.261 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

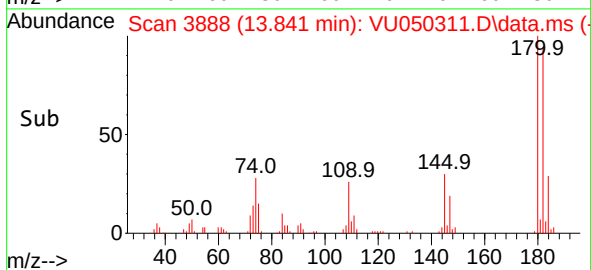
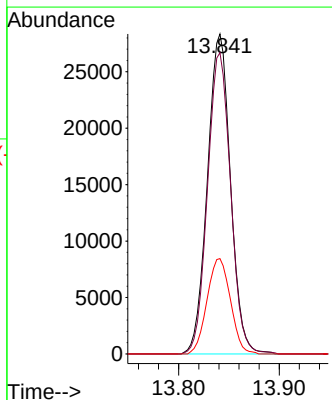
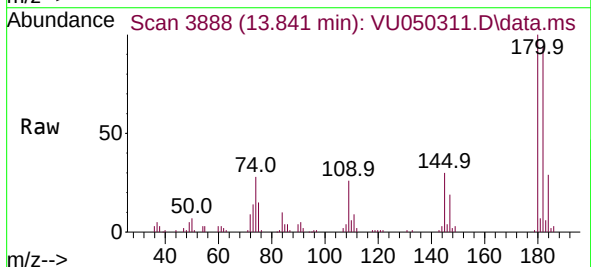
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

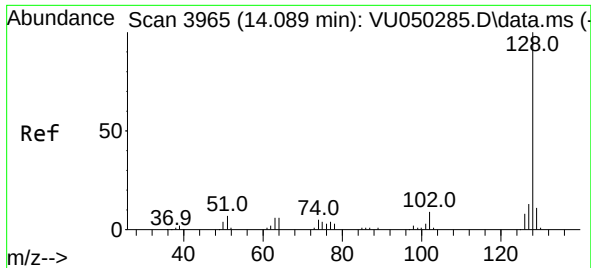
Tgt Ion:	180	Resp:	59222
Ion Ratio	Lower	Upper	
180	100		
182	97.2	77.3	115.9
184	31.2	24.1	36.1
145	29.5	24.2	36.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.301 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU050311.D
 Acq: 13 Aug 2022 10:37

Tgt Ion:	180	Resp:	45214
Ion Ratio	Lower	Upper	
180	100		
182	94.1	76.9	115.3
145	30.2	24.2	36.4

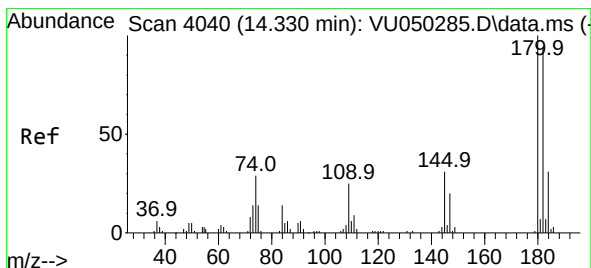
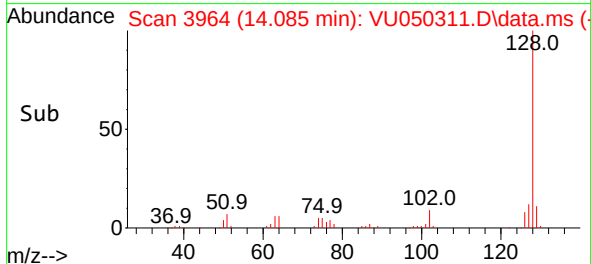
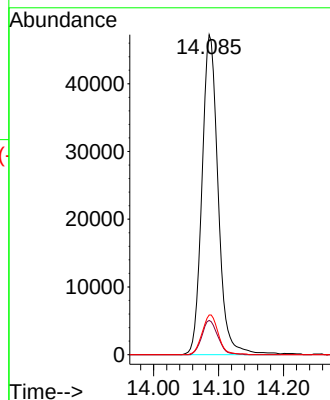
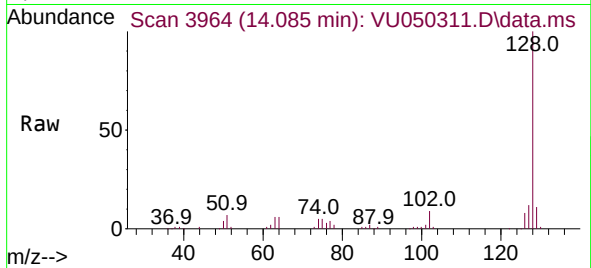




#71
Naphthalene
Concen: 4.670 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

Tgt Ion:128	Resp:	81685
Ion Ratio	Lower	Upper
128	100	
129	10.6	8.6 12.8
127	12.5	10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.120 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050311.D
Acq: 13 Aug 2022 10:37

Tgt Ion:180	Resp:	44268
Ion Ratio	Lower	Upper
180	100	
182	96.8	77.5 116.3
145	31.1	25.8 38.6

