

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048577.D
 Acq On : 16 May 2022 12:41
 Operator : SY/MD
 Sample : VSTD00568
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005068

Quant Time: May 17 06:42:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	191431	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	192976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	114037	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	7461	4.843	ug/L	0.00
7) Chloroethane-d5	1.916	69	5468	5.420	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.571	63	16004	5.579	ug/L	0.00
21) 2-Butanone-d5	4.626	46	11732	8.656	ug/L	0.00
24) Chloroform-d	5.067	84	17518	6.101	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	12581	6.629	ug/L	0.00
32) Benzene-d6	5.729	84	31811	5.541	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	9120	4.988	ug/L	0.00
41) Toluene-d8	7.899	98	28304	5.502	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	6049	6.736	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	8612	9.398	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	15154	5.373	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	14992	6.648	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	11594	6.378	ug/L	96
3) Chloromethane	1.523	50	7282	3.941	ug/L	95
5) Vinyl chloride	1.604	62	7907	4.419	ug/L	84
6) Bromomethane	1.858	94	6229	6.676	ug/L	88
8) Chloroethane	1.935	64	4915	5.056	ug/L	94
9) Trichlorofluoromethane	2.141	101	15278	6.029	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	7676	5.387	ug/L	99
12) 1,1-Dichloroethene	2.581	96	7244	5.439	ug/L	86
13) Acetone	2.626	43	12772	11.965	ug/L	99
14) Carbon disulfide	2.797	76	23093	5.684	ug/L #	95
15) Methyl Acetate	2.951	43	8653	4.188	ug/L	96
16) Methylene chloride	3.047	84	8916	5.543	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	8109	5.720	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	25281	5.224	ug/L	99
19) 1,1-Dichloroethane	3.874	63	13748	4.761	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	8856	5.487	ug/L	92
22) 2-Butanone	4.706	43	13488	8.821	ug/L	97
23) Bromochloromethane	4.980	128	5110	5.935	ug/L	84
25) Chloroform	5.089	83	16167	5.509	ug/L	95
27) 1,2-Dichloroethane	5.796	62	13852	5.678	ug/L	97
29) Cyclohexane	5.395	56	10680	4.192	ug/L	97
30) 1,1,1-Trichloroethane	5.324	97	16623	6.009	ug/L #	84
31) Carbon tetrachloride	5.530	117	14963	6.212	ug/L	97
33) Benzene	5.777	78	31632	4.844	ug/L	100
34) Trichloroethene	6.549	95	9010	5.444	ug/L	96
35) Methylcyclohexane	6.764	83	12112	4.709	ug/L	98
37) 1,2-Dichloropropane	6.796	63	7906	4.425	ug/L #	93
38) Bromodichloromethane	7.108	83	12427	5.398	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	11670	4.441	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	23121	8.105	ug/L	98
42) Toluene	7.973	91	32511	4.763	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	12657	4.845	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048577.D
 Acq On : 16 May 2022 12:41
 Operator : SY/MD
 Sample : VSTD00568
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005068

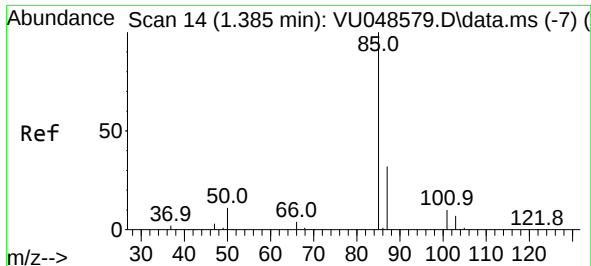
Quant Time: May 17 06:42:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	8244	4.918	ug/L	95
46) Tetrachloroethene	8.555	164	7100	5.603	ug/L	98
48) 2-Hexanone	8.687	43	20411	8.539	ug/L	97
49) Dibromochloromethane	8.812	129	10295	5.516	ug/L	97
50) 1,2-Dibromoethane	8.925	107	9866	5.515	ug/L #	90
51) Chlorobenzene	9.452	112	24325	5.553	ug/L	99
52) Ethylbenzene	9.571	91	38974	5.411	ug/L	100
53) m,p-Xylene	9.693	106	15611	5.563	ug/L	83
54) o-Xylene	10.102	106	14418	5.162	ug/L	99
55) Styrene	10.115	104	25303	5.508	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.787	83	14662	4.788	ug/L	98
59) Bromoform	10.295	173	9084	5.528	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	13268	4.599	ug/L	99
61) Isopropylbenzene	10.484	105	38223	4.807	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	20018	4.531	ug/L	95
63) 1,2,4-Trimethylbenzene	11.471	105	31548	4.779	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	21149	5.580	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	23725	6.219	ug/L	97
67) 1,2-Dichlorobenzene	12.217	146	22647	5.868	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	5276	5.947	ug/L	84
69) 1,3,5-Trichlorobenzene	13.221	180	17802	6.491	ug/L	94
70) 1,2,4-trichlorobenzene	13.844	180	15951	6.549	ug/L	98
71) Naphthalene	14.089	128	57048	6.183	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	16679	6.515	ug/L	99

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

Quant Time: May 17 06:42:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 17 06:41:51 2022
Response via : Initial Calibration

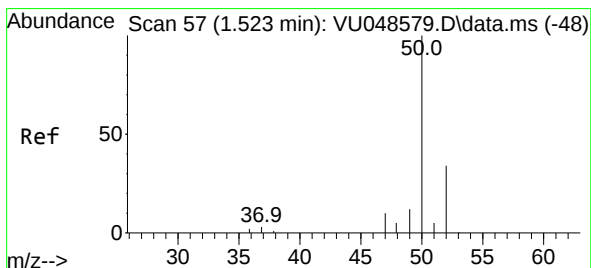
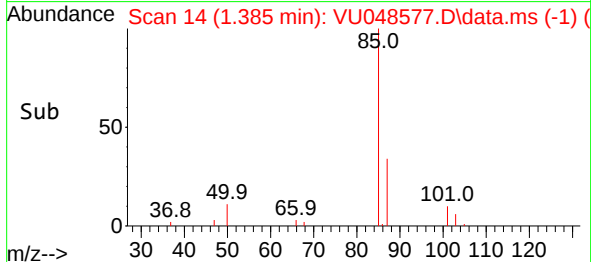
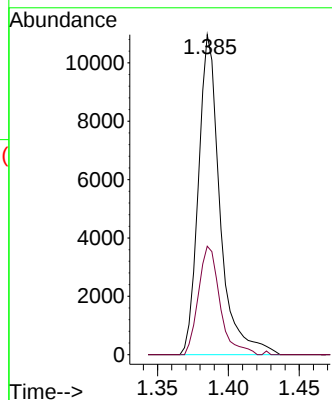
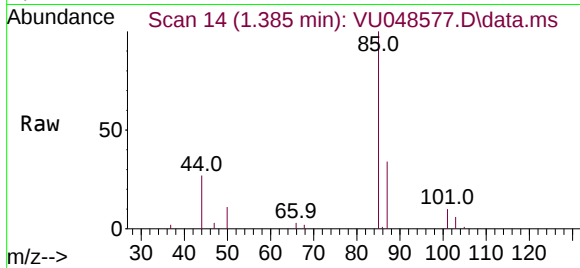




#2
Dichlorodifluoromethane
Concen: 6.378 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

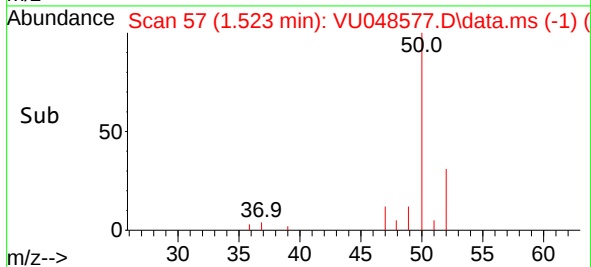
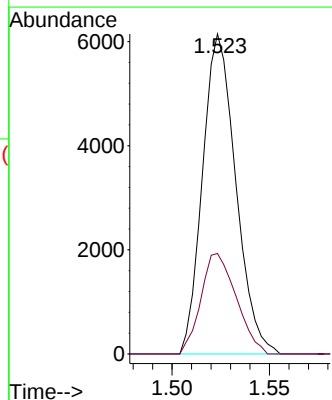
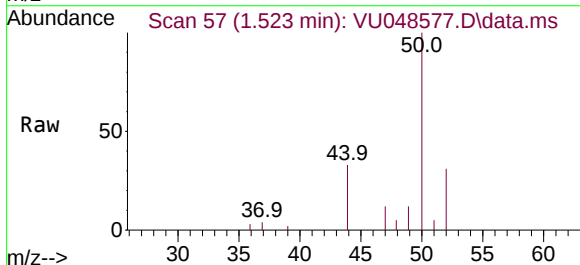
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

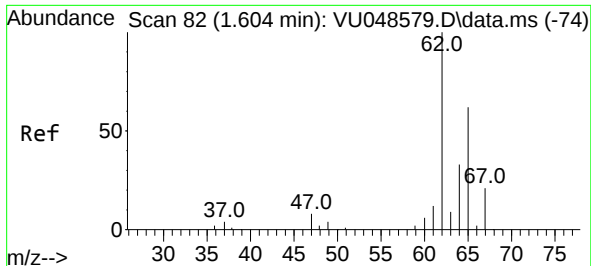
Tgt Ion: 85 Resp: 11594
Ion Ratio Lower Upper
85 100
87 33.9 25.4 38.2



#3
Chloromethane
Concen: 3.941 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 50 Resp: 7282
Ion Ratio Lower Upper
50 100
52 31.4 23.8 44.2

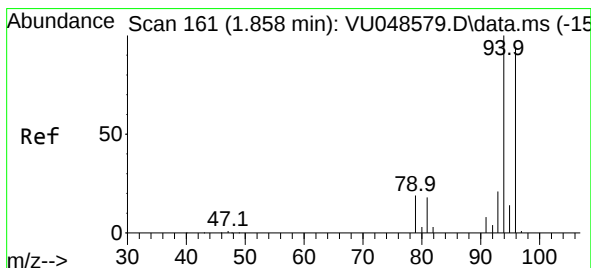
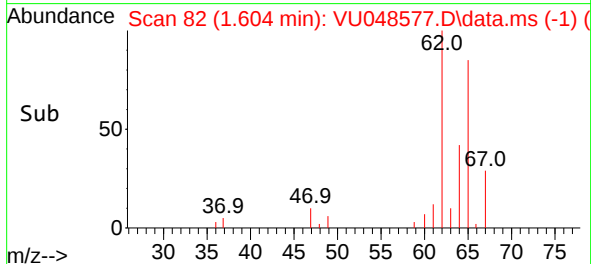
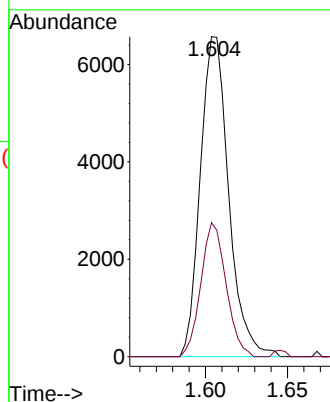
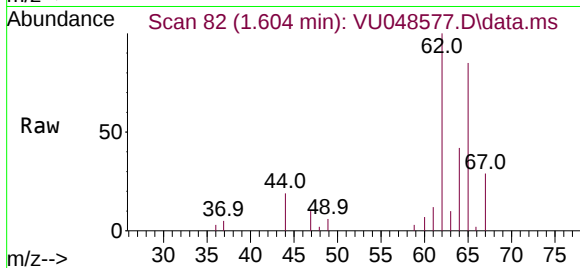




#5
 Vinyl chloride
 Concen: 4.419 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048577.D
 Acq: 16 May 2022 12:41

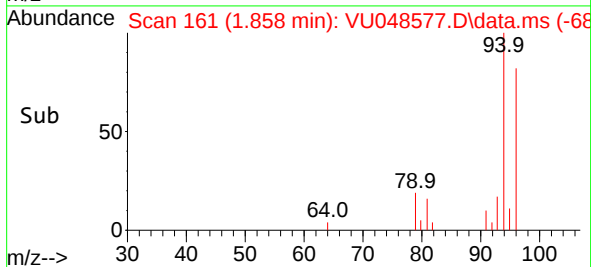
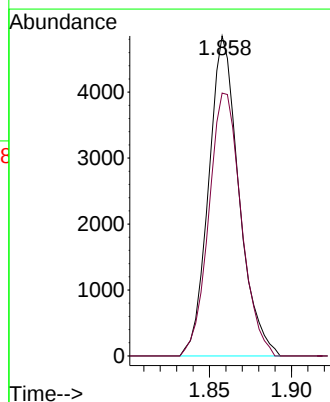
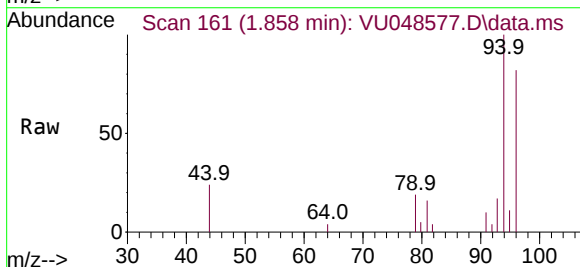
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005068

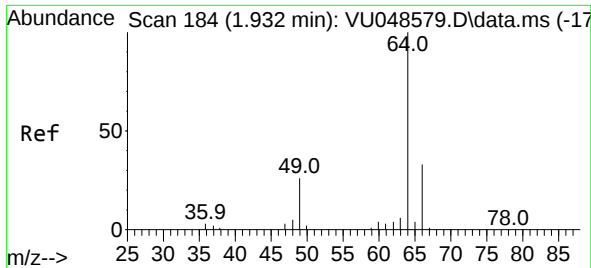
Tgt Ion: 62 Resp: 7907
 Ion Ratio Lower Upper
 62 100
 64 41.9 22.9 42.5



#6
 Bromomethane
 Concen: 6.676 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU048577.D
 Acq: 16 May 2022 12:41

Tgt Ion: 94 Resp: 6229
 Ion Ratio Lower Upper
 94 100
 96 82.1 65.7 121.9





#8

Chloroethane

Concen: 5.056 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

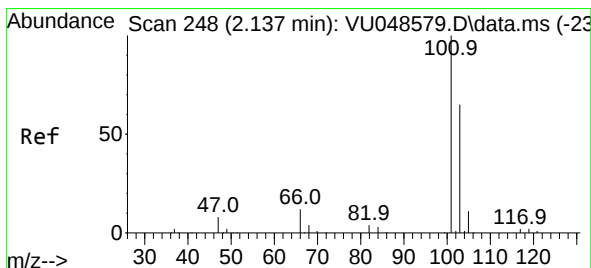
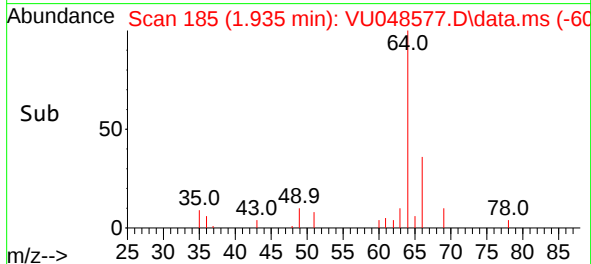
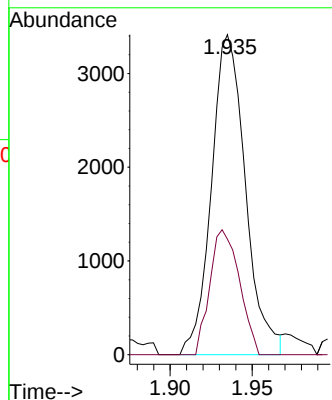
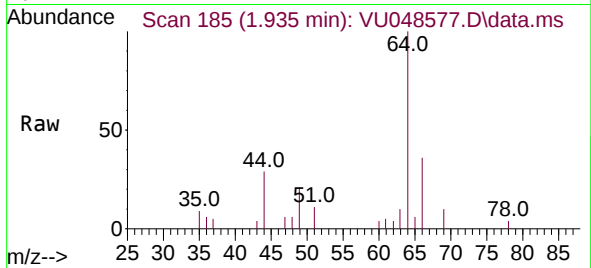
VSTD005068

Tgt Ion: 64 Resp: 4915

Ion Ratio Lower Upper

64 100

66 36.1 23.1 42.9



#9

Trichlorofluoromethane

Concen: 6.029 ug/L

RT: 2.141 min Scan# 249

Delta R.T. 0.003 min

Lab File: VU048577.D

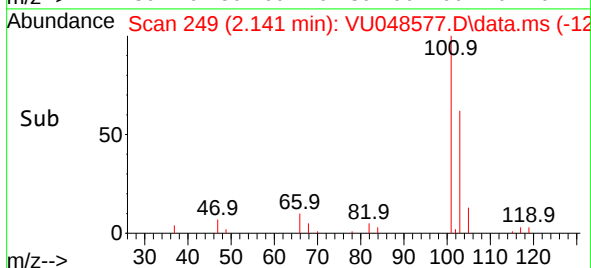
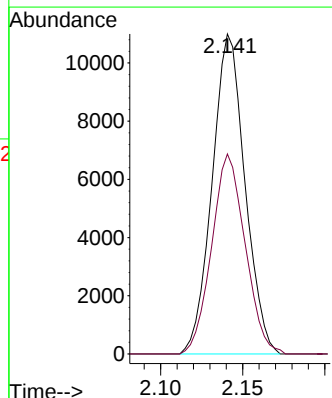
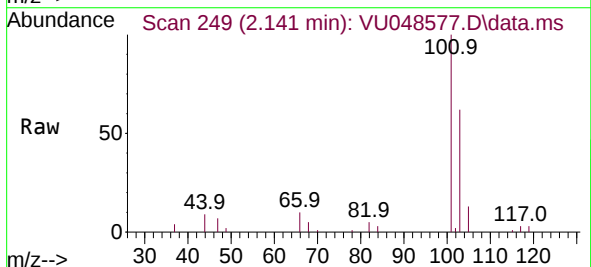
Acq: 16 May 2022 12:41

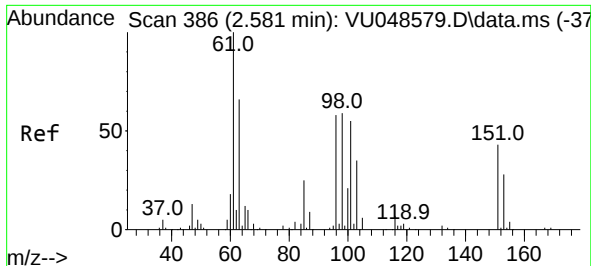
Tgt Ion:101 Resp: 15278

Ion Ratio Lower Upper

101 100

103 63.7 51.6 77.4





#10

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

Concen: 5.387 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

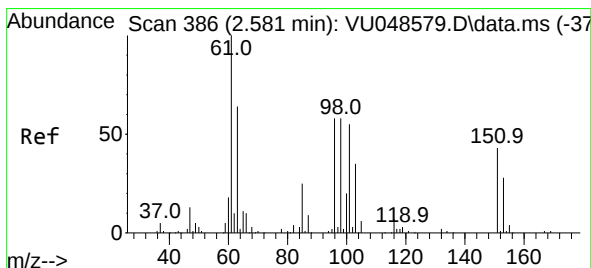
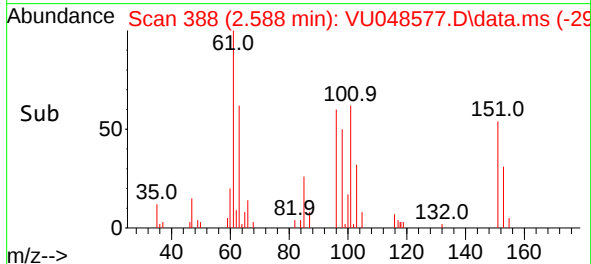
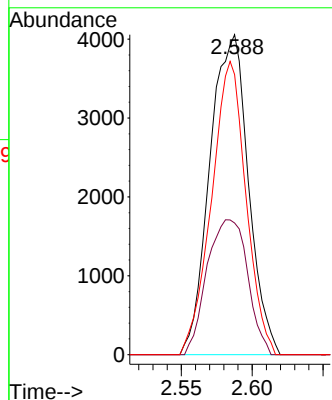
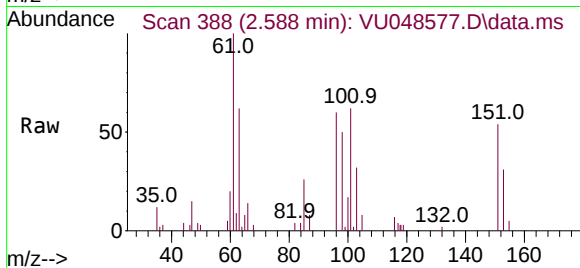
Tgt Ion:101 Resp: 7676

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

151 82.0 64.4 96.6



#12

1,1-Dichloroethene

Concen: 5.439 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

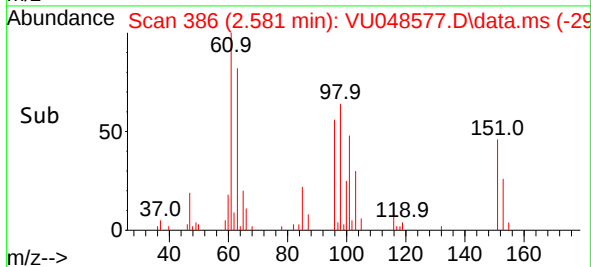
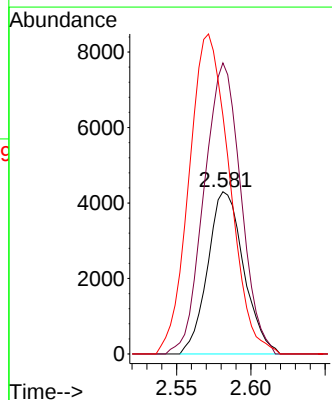
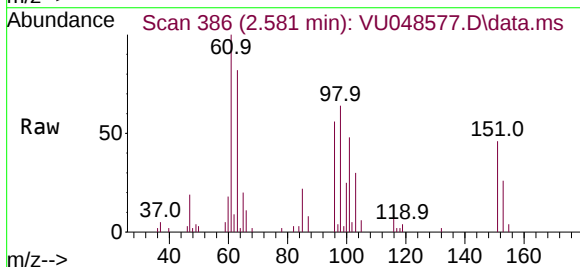
Tgt Ion: 96 Resp: 7244

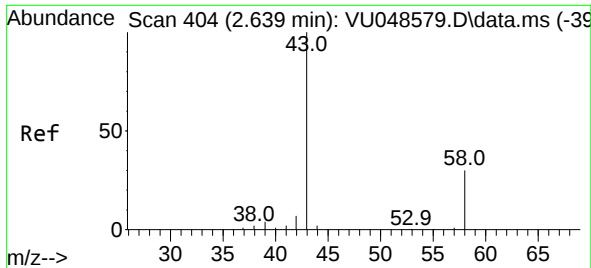
Ion Ratio Lower Upper

96 100

61 179.3 120.6 224.0

63 147.0 82.3 152.9





#13

Acetone

Concen: 11.965 ug/L

RT: 2.626 min Scan# 404

Delta R.T. -0.013 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

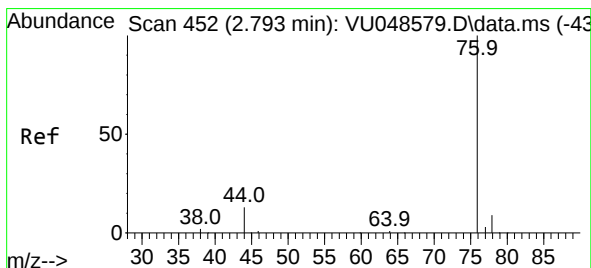
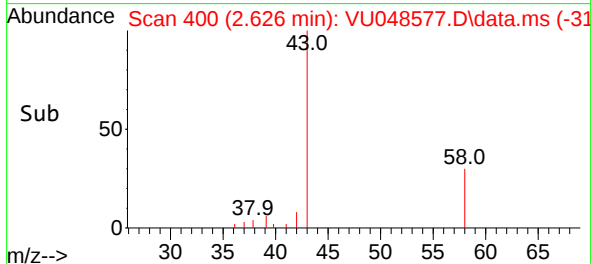
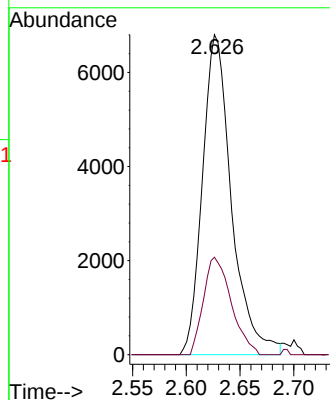
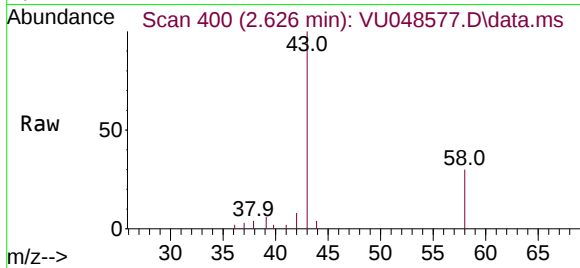
VSTD005068

Tgt Ion: 43 Resp: 12772

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.8



#14

Carbon disulfide

Concen: 5.684 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU048577.D

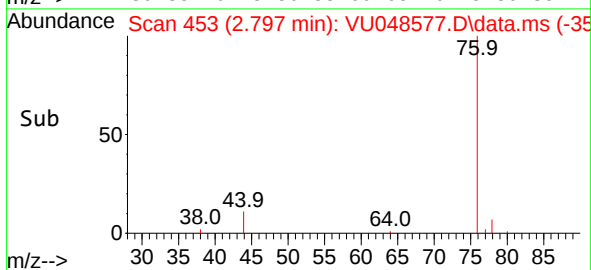
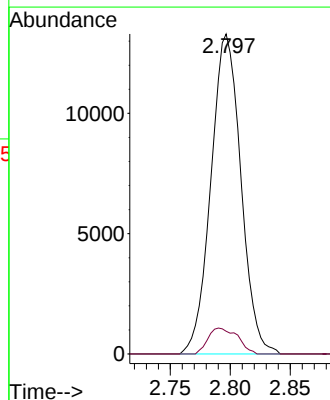
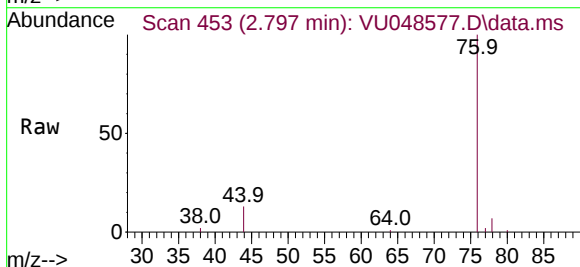
Acq: 16 May 2022 12:41

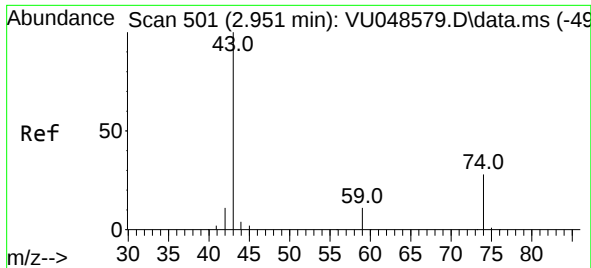
Tgt Ion: 76 Resp: 23093

Ion Ratio Lower Upper

76 100

78 7.1 7.2 10.8#

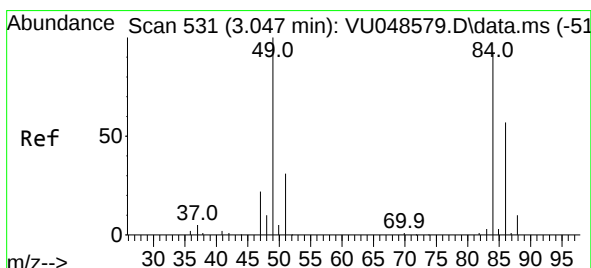
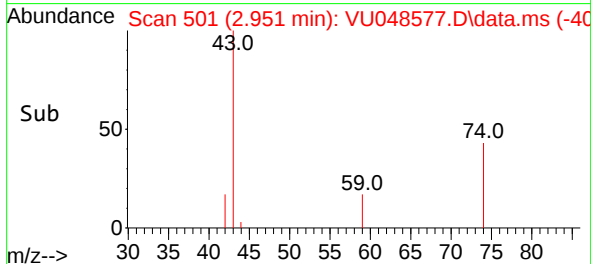
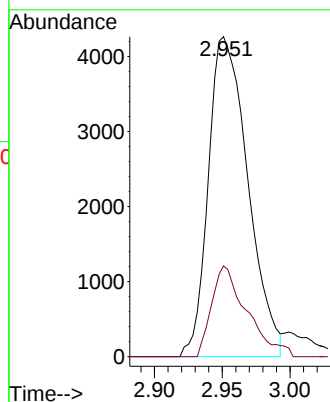
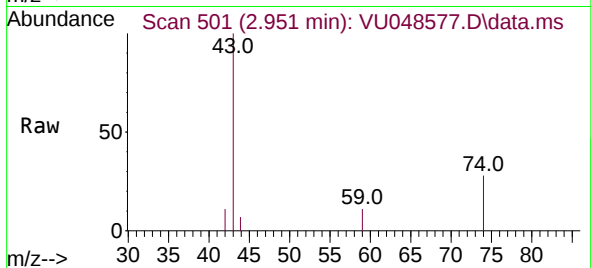




#15
Methyl Acetate
Concen: 4.188 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

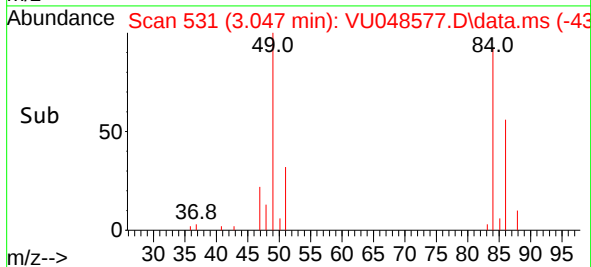
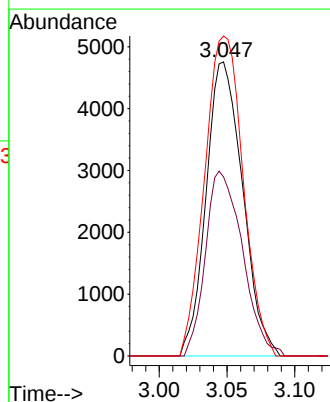
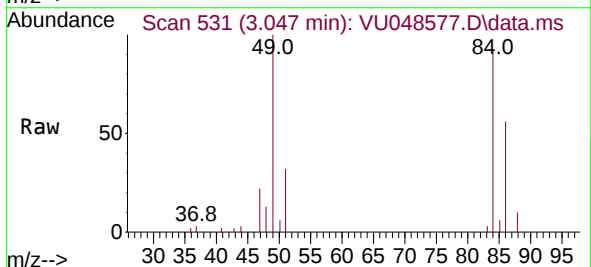
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

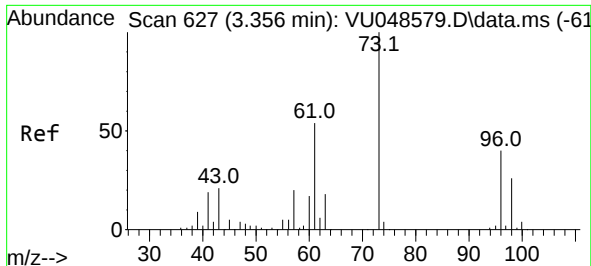
Tgt Ion: 43 Resp: 8653
Ion Ratio Lower Upper
43 100
74 25.2 21.7 32.5



#16
Methylene chloride
Concen: 5.543 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 84 Resp: 8916
Ion Ratio Lower Upper
84 100
86 60.9 43.5 80.9
49 108.8 76.4 141.8

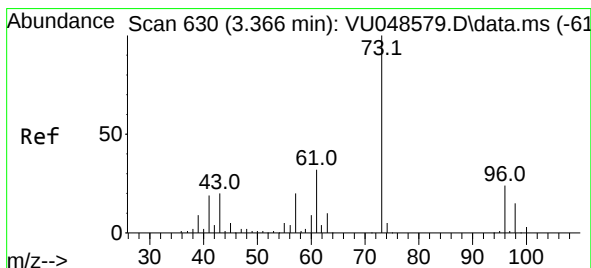
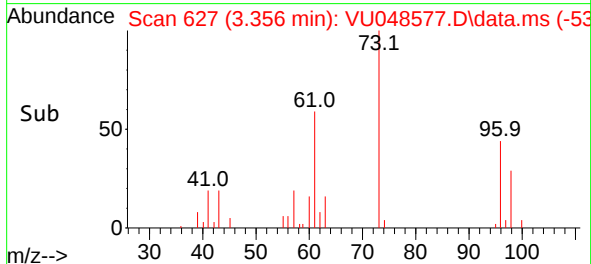
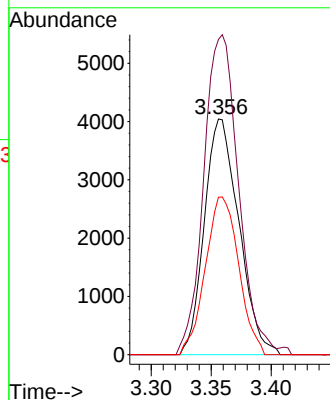
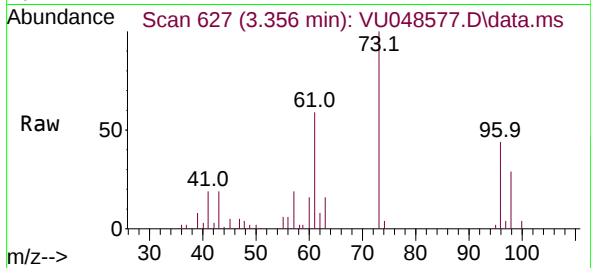




#17
trans-1,2-Dichloroethene
Concen: 5.720 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

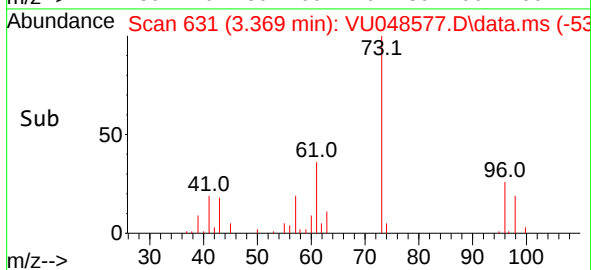
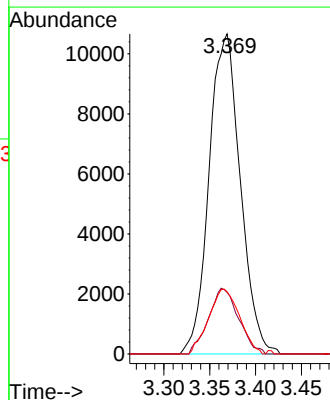
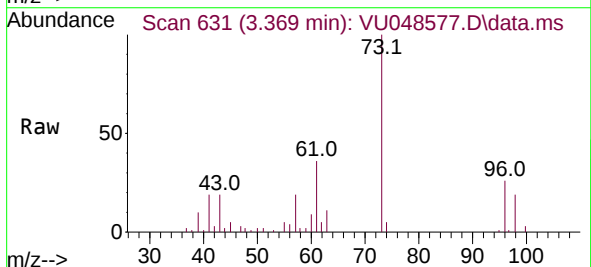
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

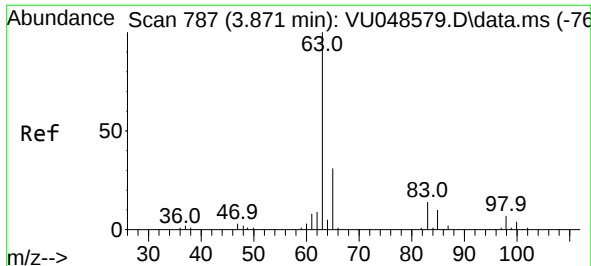
Tgt Ion: 96 Resp: 8109
Ion Ratio Lower Upper
96 100
61 133.7 94.2 175.0
98 66.8 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 5.224 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 73 Resp: 25281
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.4
57 20.0 15.7 23.5





#19

1,1-Dichloroethane

Concen: 4.761 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

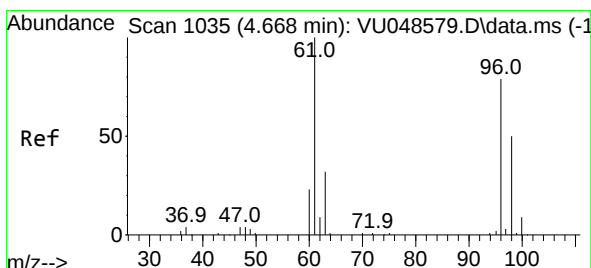
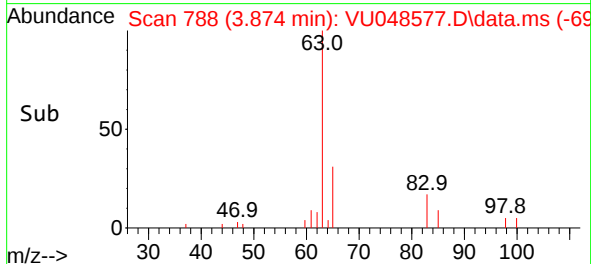
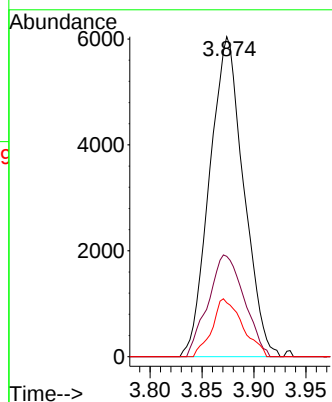
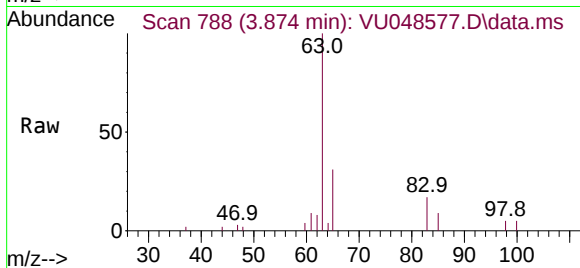
Tgt Ion: 63 Resp: 13748

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.6

83 16.9 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 5.487 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

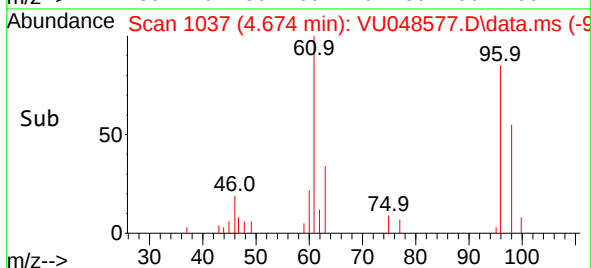
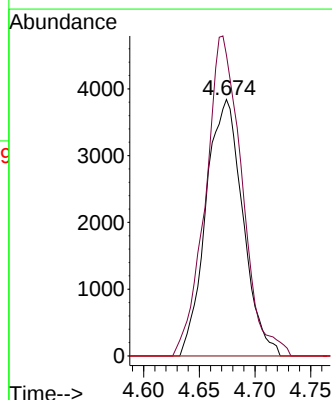
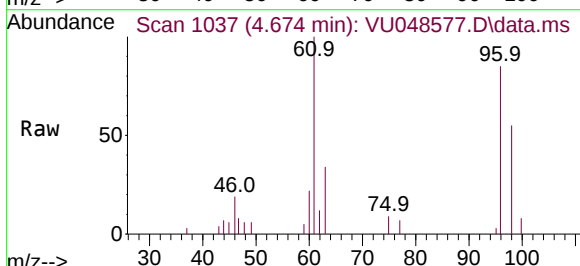
Tgt Ion: 96 Resp: 8856

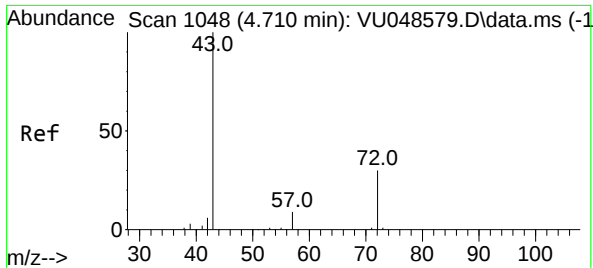
Ion Ratio Lower Upper

96 100

61 117.3 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.821 ug/L

RT: 4.706 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

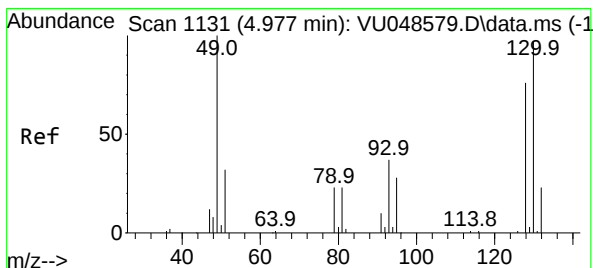
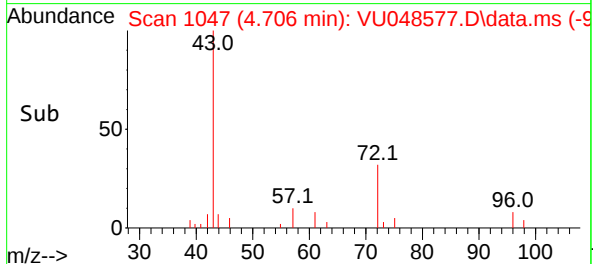
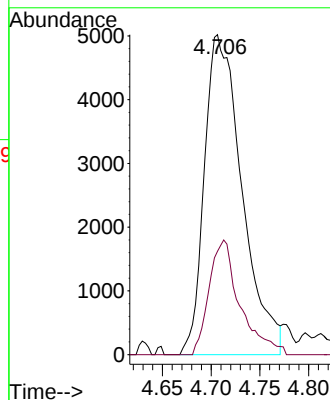
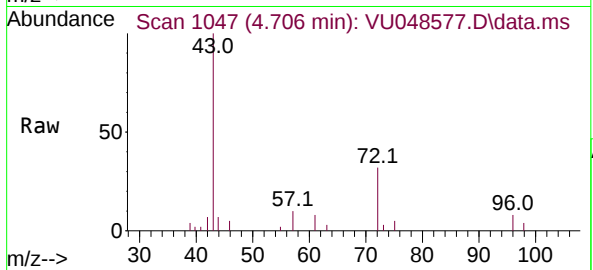
VSTD005068

Tgt Ion: 43 Resp: 13488

Ion Ratio Lower Upper

43 100

72 29.2 15.4 46.2



#23

Bromochloromethane

Concen: 5.935 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Tgt Ion:128 Resp: 5110

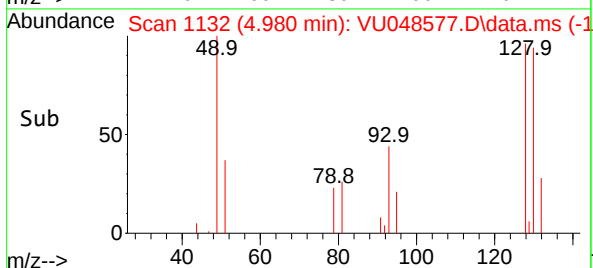
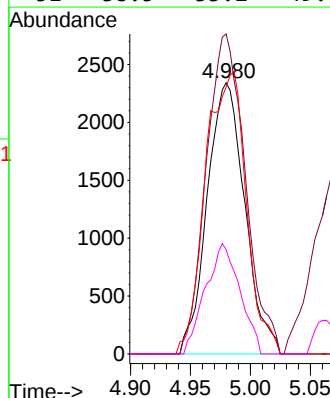
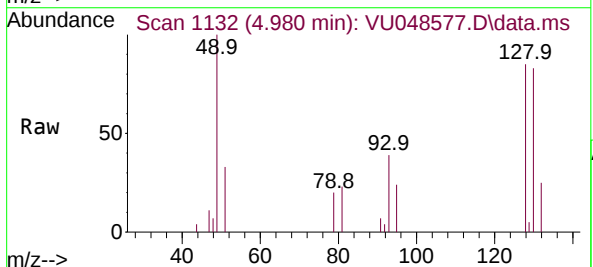
Ion Ratio Lower Upper

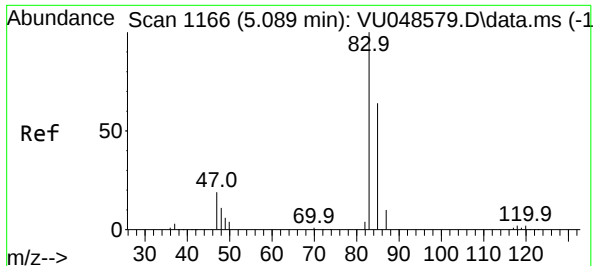
128 100

49 118.0 91.9 170.7

130 98.4 88.4 164.2

51 38.5 33.2 49.8





#25

Chloroform

Concen: 5.509 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

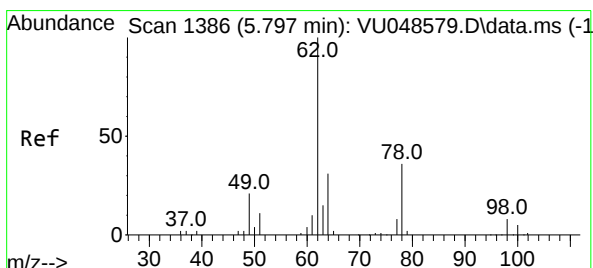
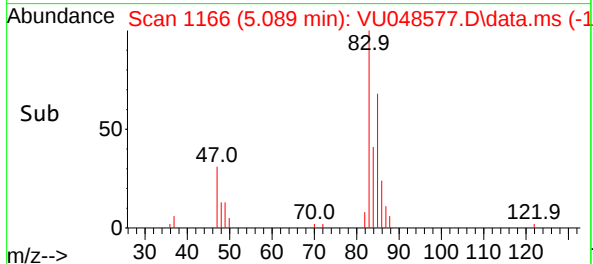
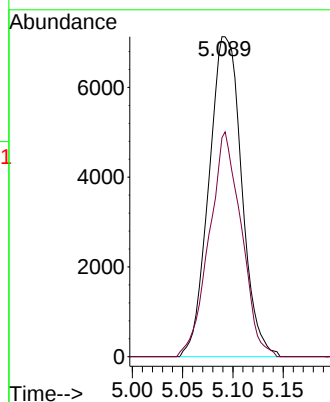
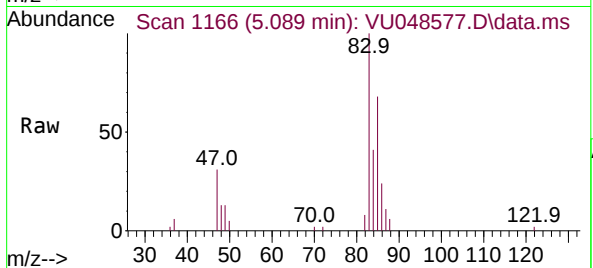
VSTD005068

Tgt Ion: 83 Resp: 16167

Ion Ratio Lower Upper

83 100

85 68.5 45.1 83.7



#27

1,2-Dichloroethane

Concen: 5.678 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048577.D

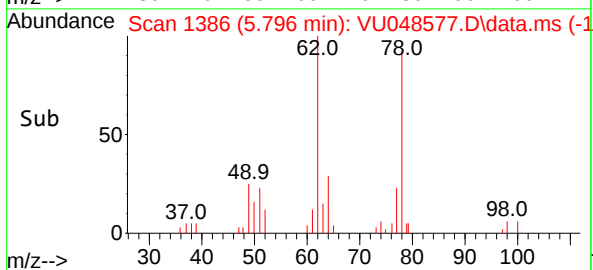
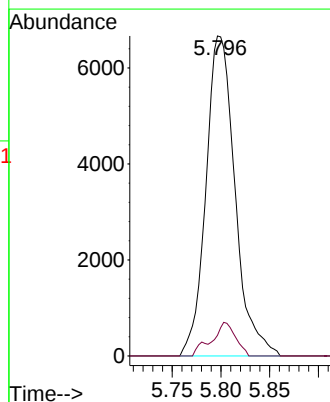
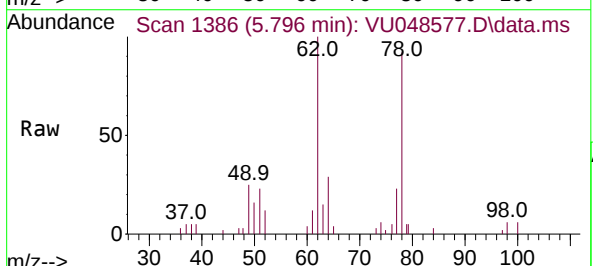
Acq: 16 May 2022 12:41

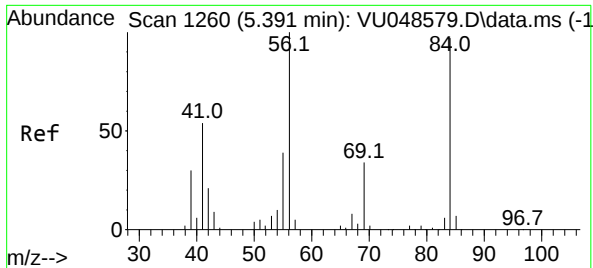
Tgt Ion: 62 Resp: 13852

Ion Ratio Lower Upper

62 100

98 6.4 6.0 9.0





#29

Cyclohexane

Concen: 4.192 ug/L

RT: 5.395 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

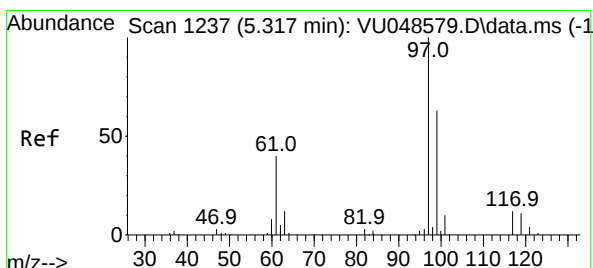
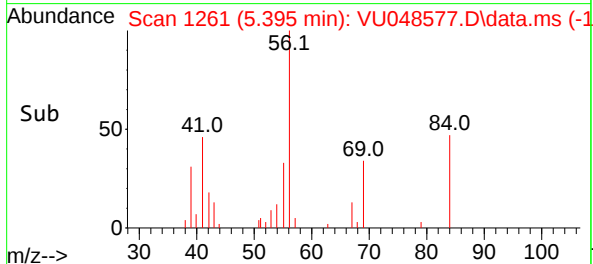
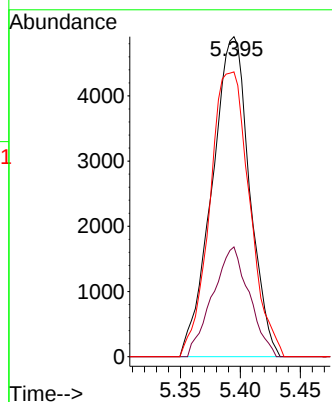
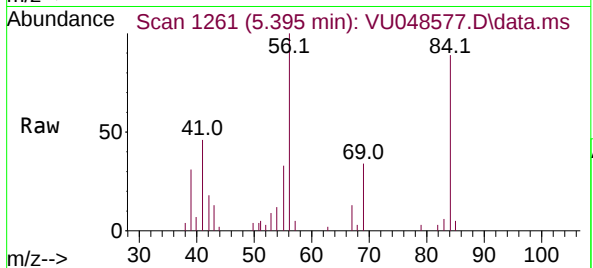
Tgt Ion: 56 Resp: 10680

Ion Ratio Lower Upper

56 100

69 33.4 26.5 39.7

84 94.2 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 6.009 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

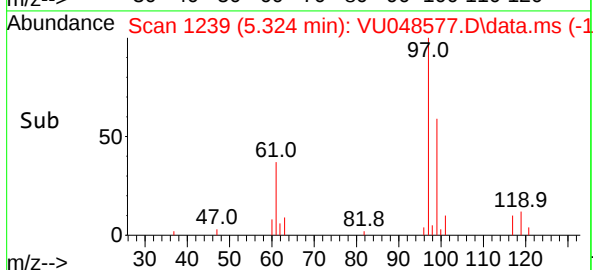
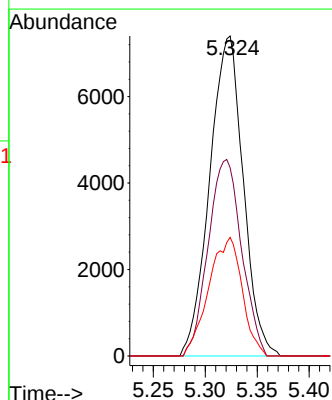
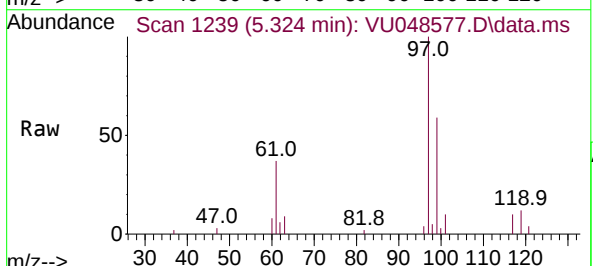
Tgt Ion: 97 Resp: 16623

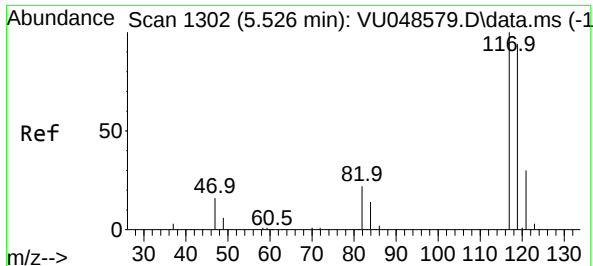
Ion Ratio Lower Upper

97 100

99 61.1 50.3 75.5

61 18.3 32.6 48.8#

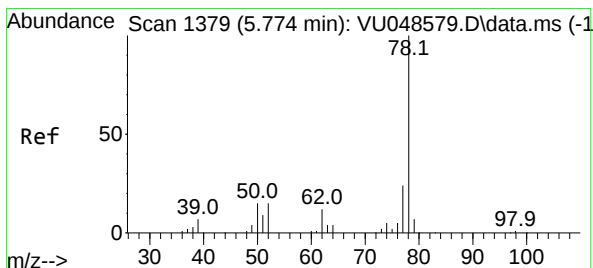
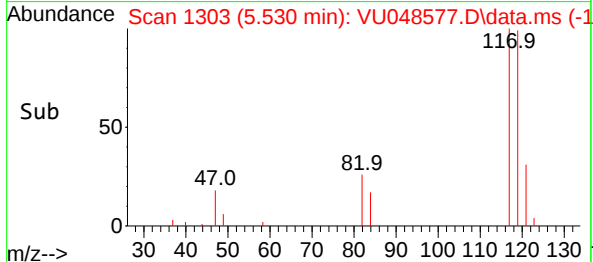
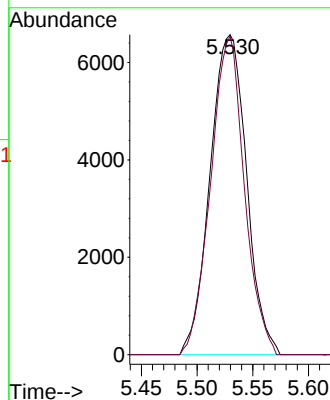
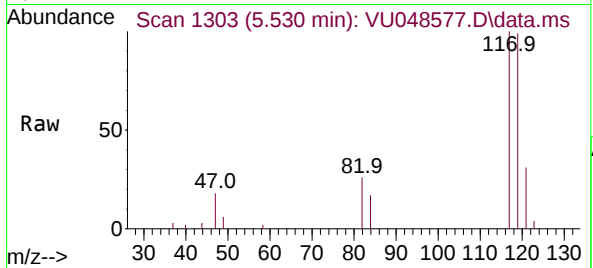




#31
Carbon tetrachloride
Concen: 6.212 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

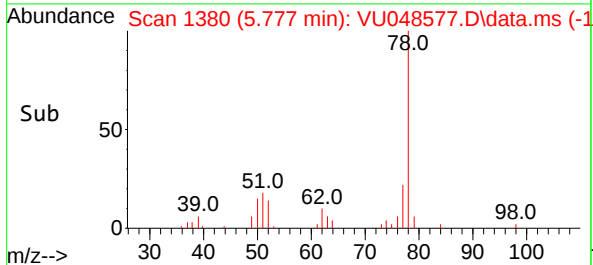
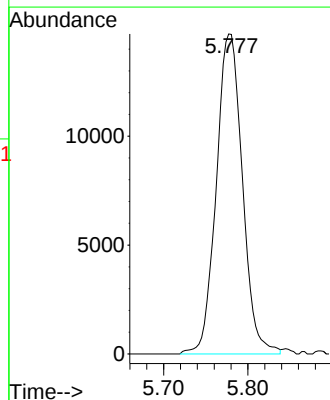
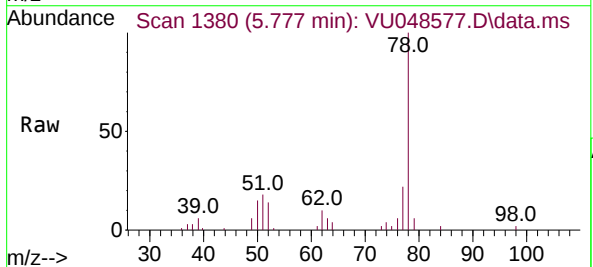
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

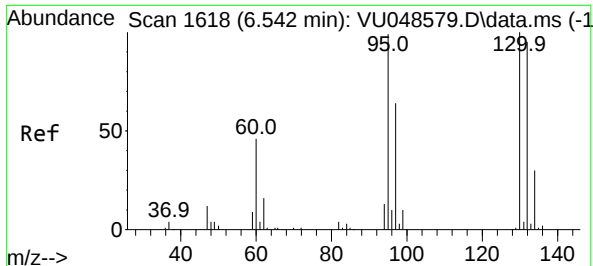
Tgt Ion:117 Resp: 14963
Ion Ratio Lower Upper
117 100
119 92.1 76.0 114.0



#33
Benzene
Concen: 4.844 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 78 Resp: 31632



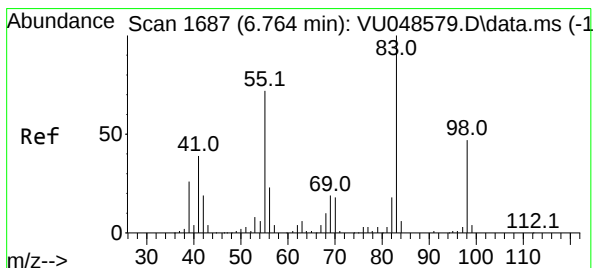
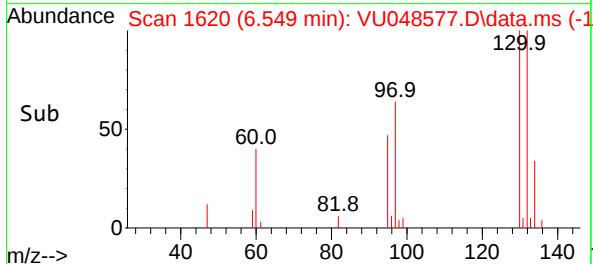
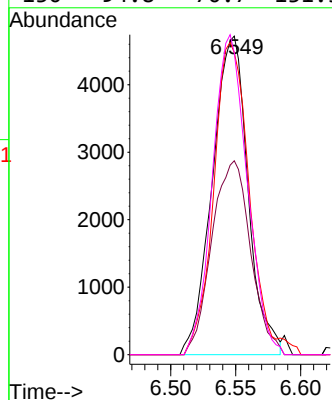
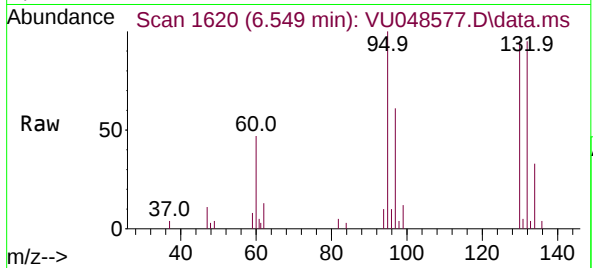


#34
Trichloroethene
Concen: 5.444 ug/L
RT: 6.549 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

Tgt Ion: 95 Resp: 9010

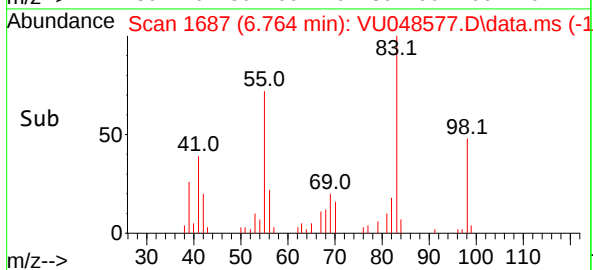
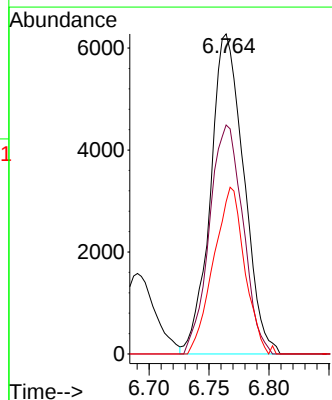
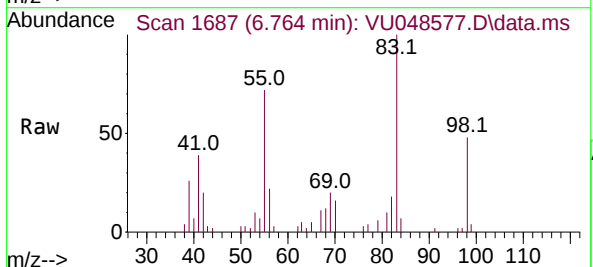
Ion	Ratio	Lower	Upper
95	100		
97	60.9	45.2	84.0
132	94.8	67.3	124.9
130	94.8	70.7	131.3

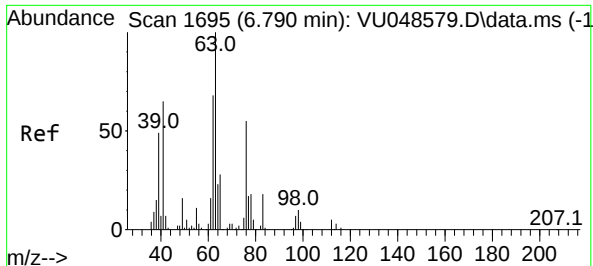


#35
Methylcyclohexane
Concen: 4.709 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 83 Resp: 12112

Ion	Ratio	Lower	Upper
83	100		
55	71.9	56.2	84.4
98	48.4	38.2	57.2





#37

1,2-Dichloropropane

Concen: 4.425 ug/L

RT: 6.796 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

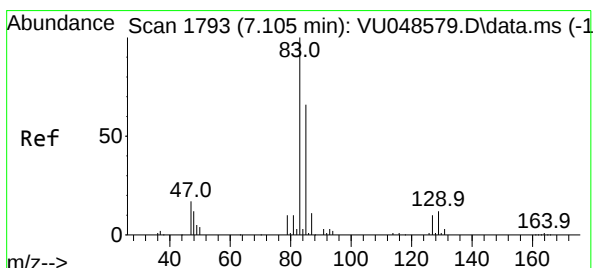
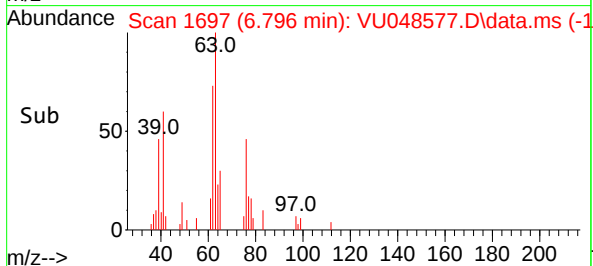
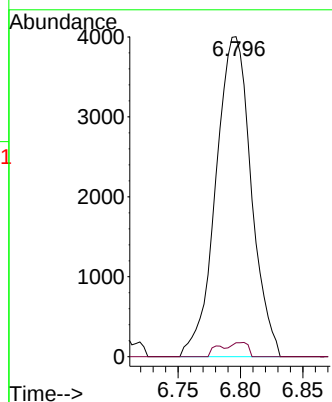
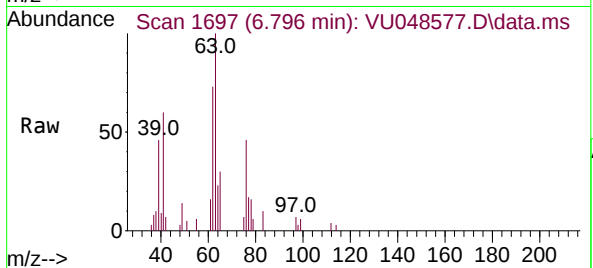
VSTD005068

Tgt Ion: 63 Resp: 7906

Ion Ratio Lower Upper

63 100

112 2.3 3.7 5.5#



#38

Bromodichloromethane

Concen: 5.398 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

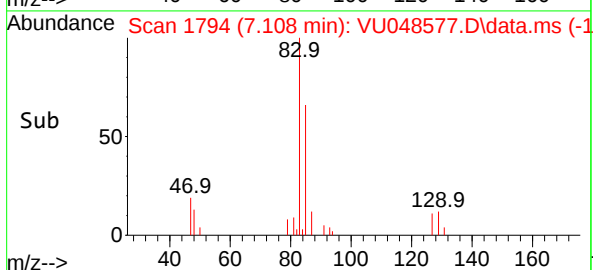
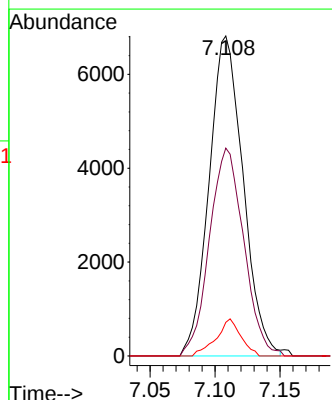
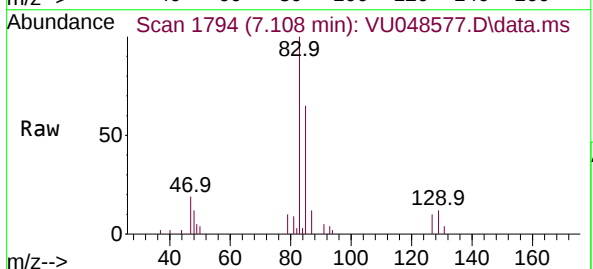
Tgt Ion: 83 Resp: 12427

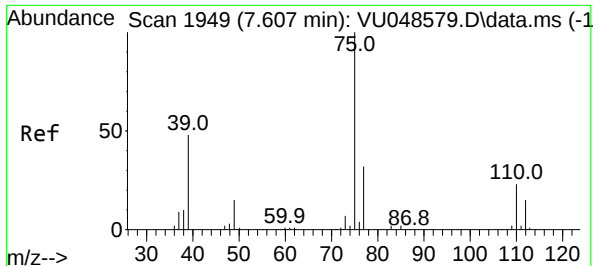
Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.5

127 10.5 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 4.441 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

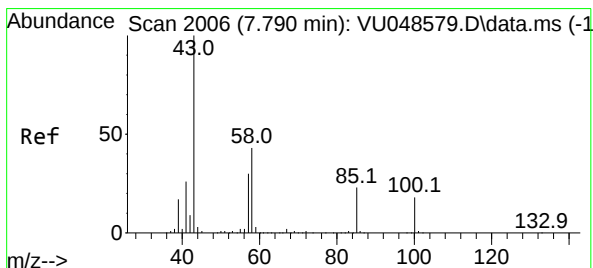
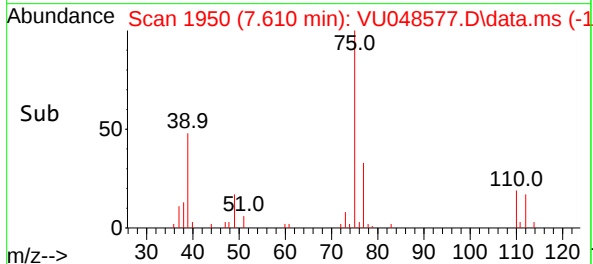
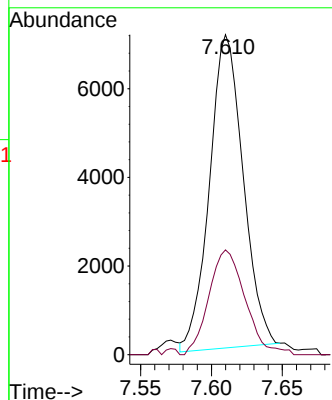
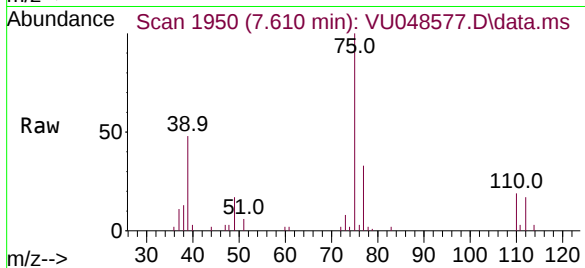
VSTD005068

Tgt Ion: 75 Resp: 11670

Ion Ratio Lower Upper

75 100

77 32.8 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 8.105 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

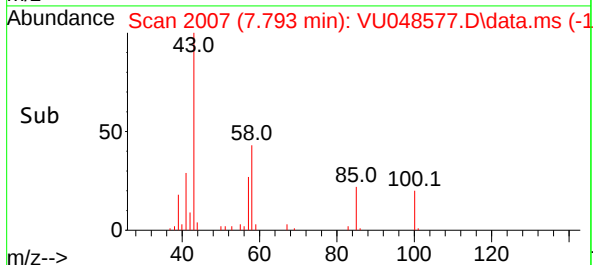
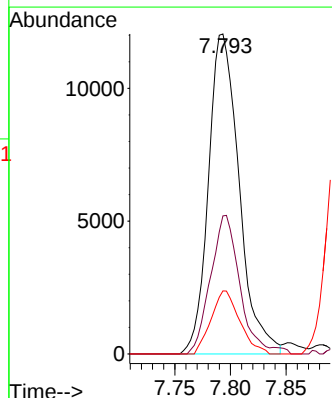
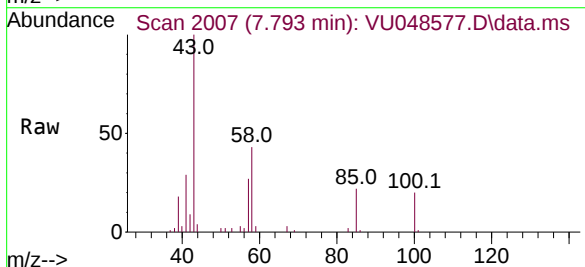
Tgt Ion: 43 Resp: 23121

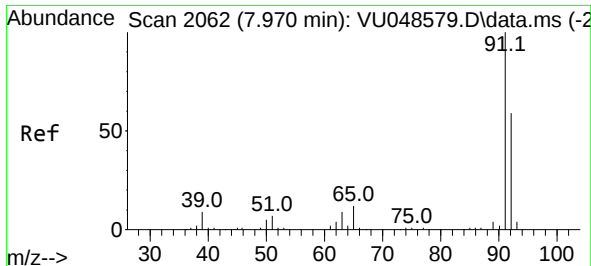
Ion Ratio Lower Upper

43 100

58 40.7 34.3 51.5

100 18.4 14.7 22.1





#42

Toluene

Concen: 4.763 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

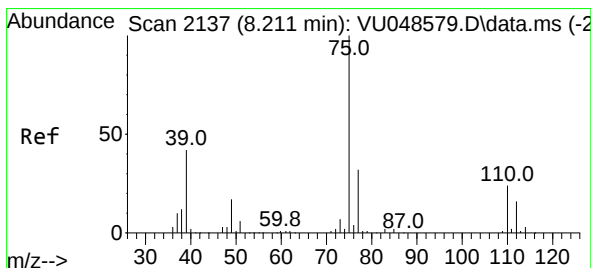
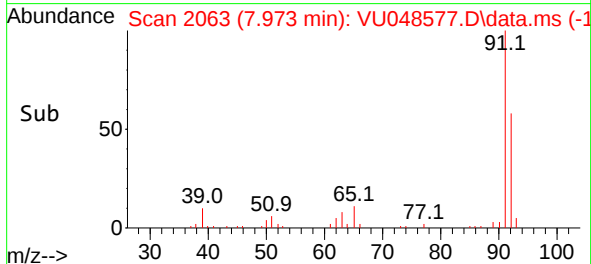
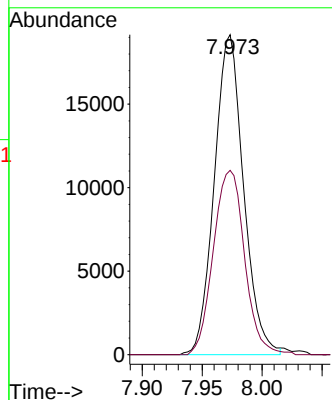
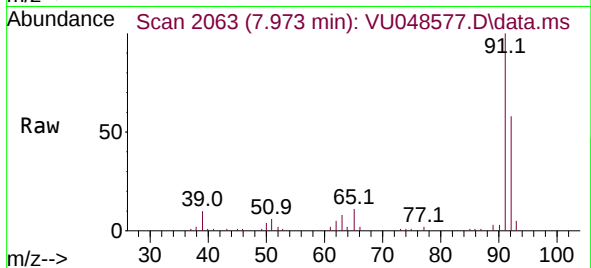
VSTD005068

Tgt Ion: 91 Resp: 32511

Ion Ratio Lower Upper

91 100

92 57.6 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 4.845 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU048577.D

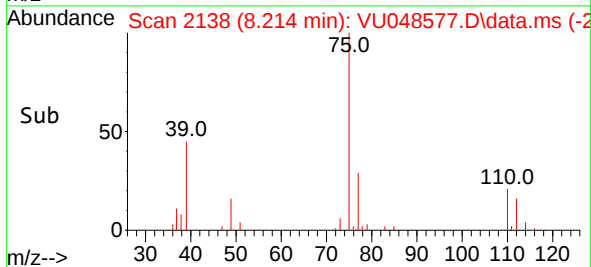
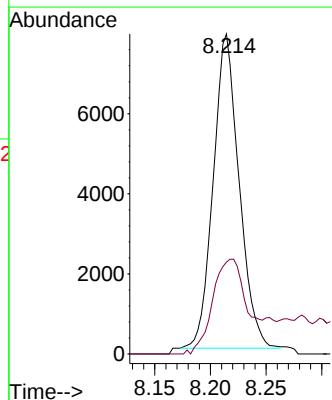
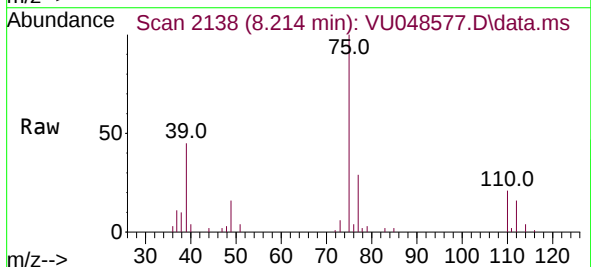
Acq: 16 May 2022 12:41

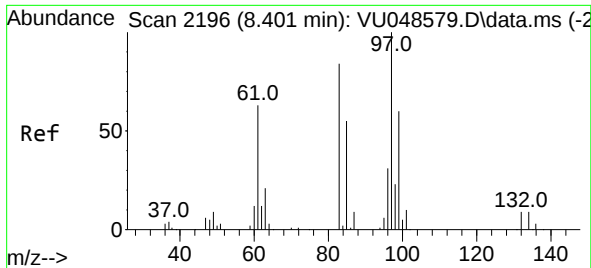
Tgt Ion: 75 Resp: 12657

Ion Ratio Lower Upper

75 100

77 28.7 22.7 42.1

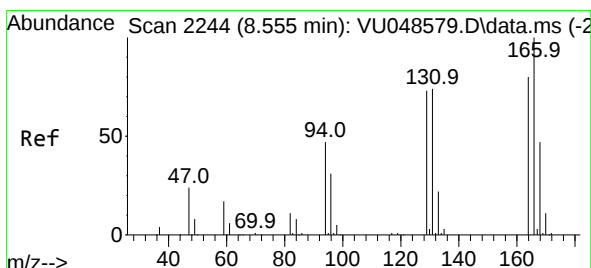
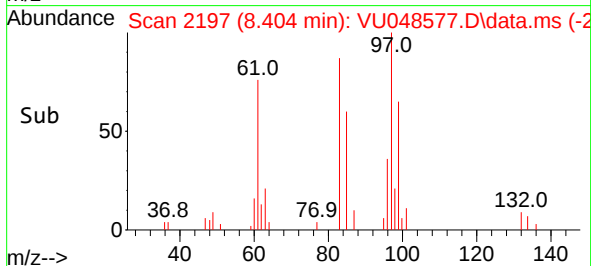
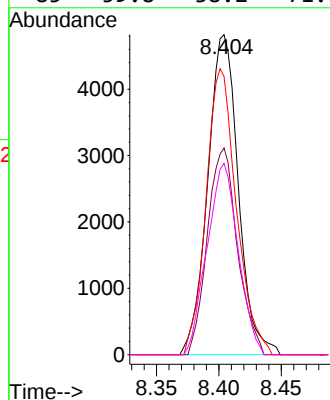
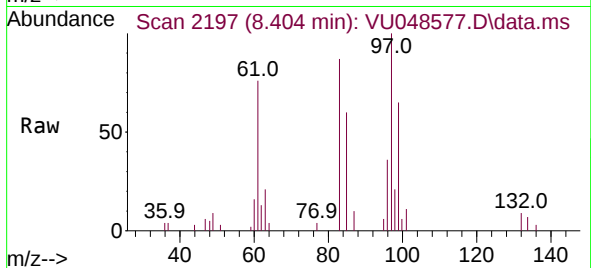




#45
1,1,2-Trichloroethane
Concen: 4.918 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

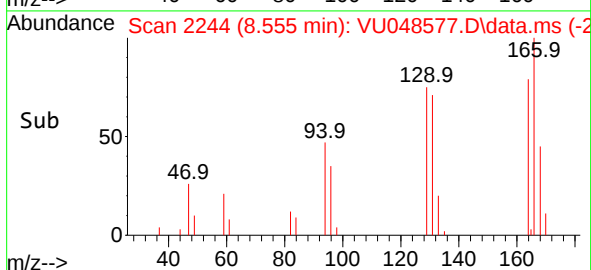
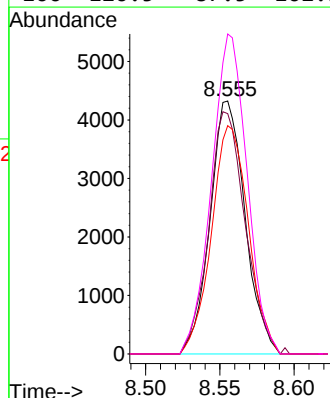
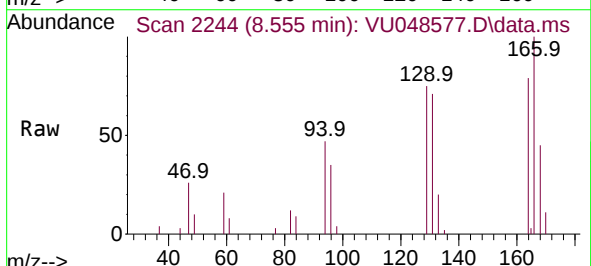
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

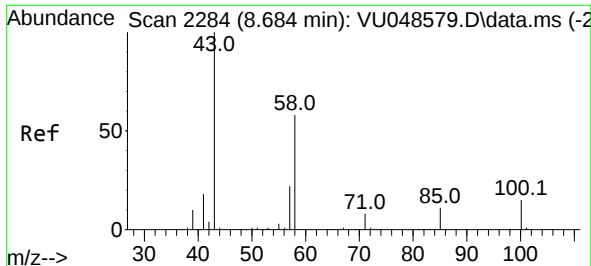
Tgt Ion:	97	Resp:	8244
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.2	78.4
83	87.0	58.4	108.6
85	59.8	38.2	71.0



#46
Tetrachloroethene
Concen: 5.603 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:	164	Resp:	7100
Ion	Ratio	Lower	Upper
164	100		
129	95.0	64.3	119.3
131	90.3	64.5	119.7
166	126.5	87.5	162.5

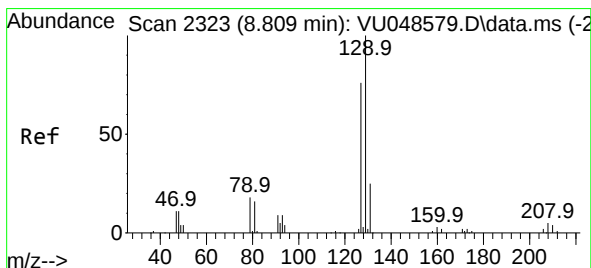
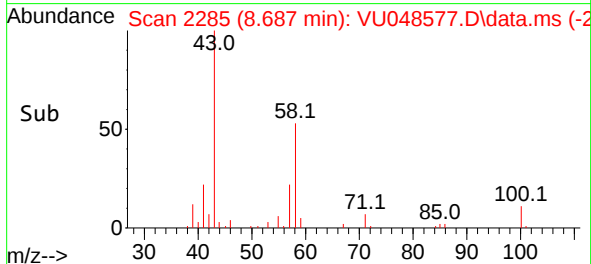
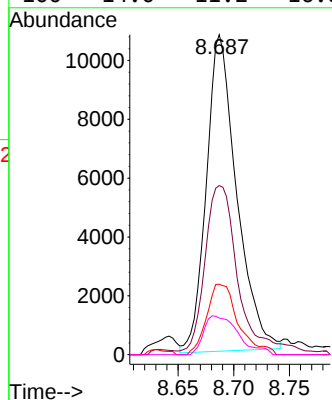
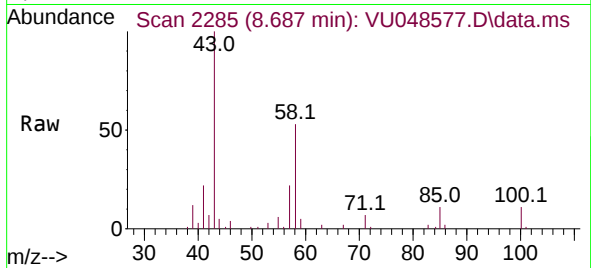




#48
2-Hexanone
Concen: 8.539 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

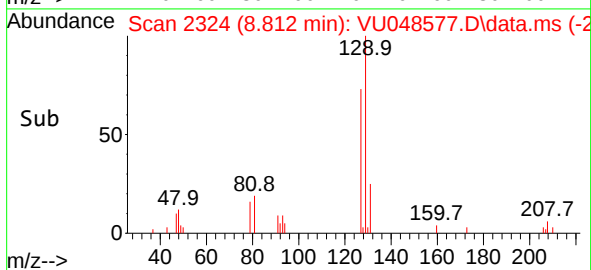
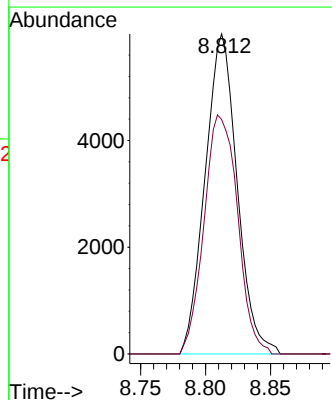
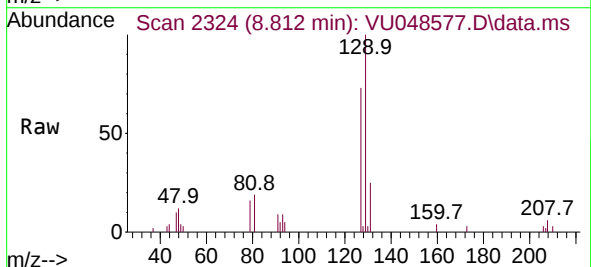
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

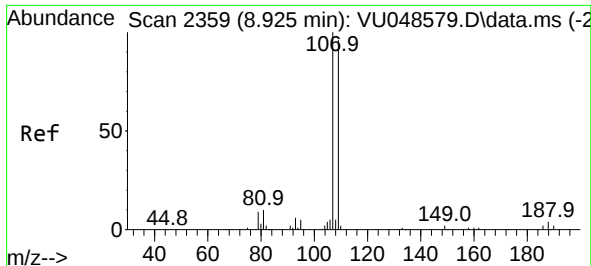
Tgt Ion: 43	Resp:	20411	
Ion	Ratio	Lower	Upper
43	100		
58	59.5	45.8	68.6
57	22.2	16.8	25.2
100	14.0	11.2	16.8



#49
Dibromochloromethane
Concen: 5.516 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:129	Resp:	10295	
Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.1	98.5





#50

1,2-Dibromoethane

Concen: 5.515 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

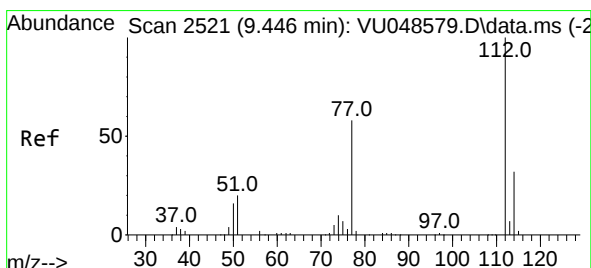
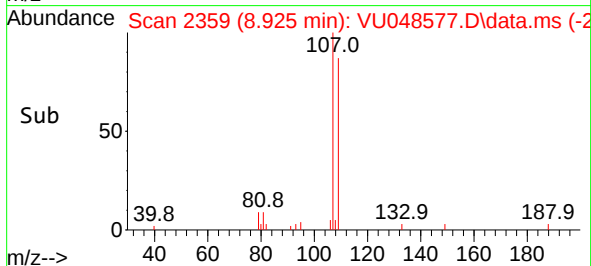
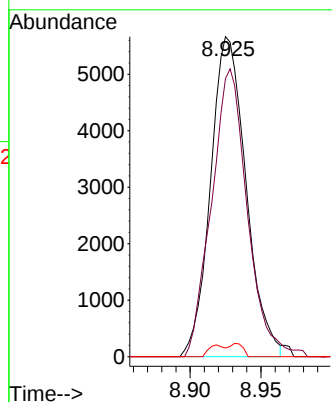
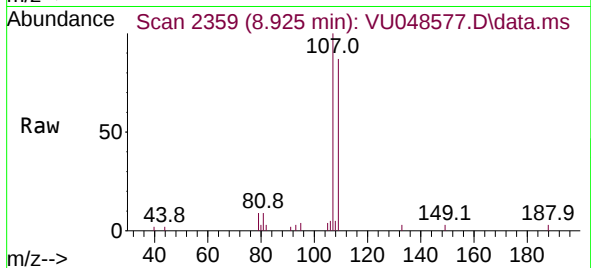
Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

Tgt Ion:	107	Resp:	9866
Ion	Ratio	Lower	Upper
107	100		
109	86.9	67.5	125.3
188	2.7	3.4	5.2#



#51

Chlorobenzene

Concen: 5.553 ug/L

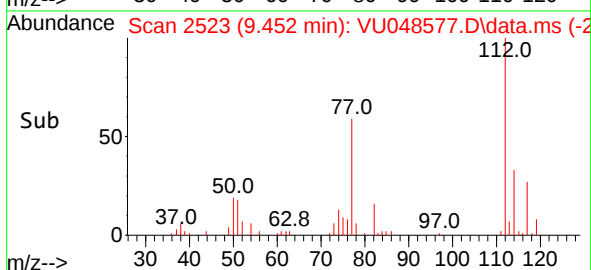
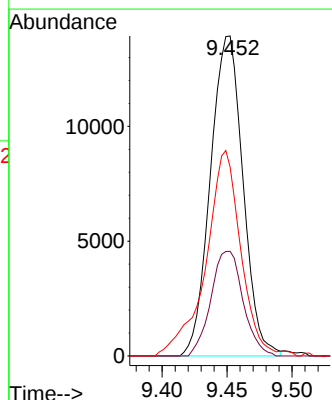
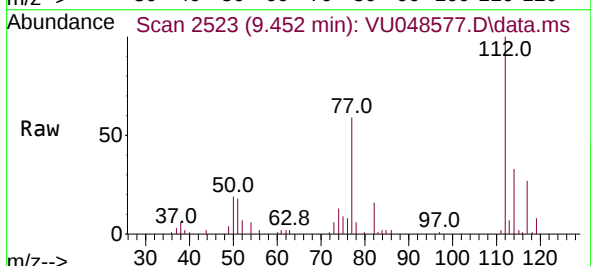
RT: 9.452 min Scan# 2523

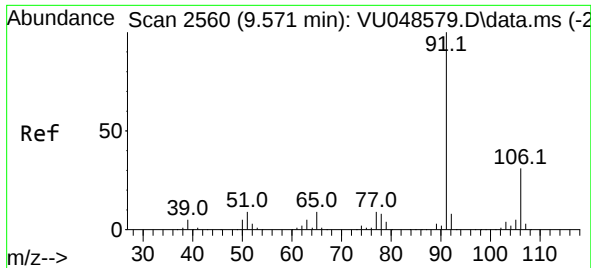
Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Tgt Ion:	112	Resp:	24325
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.5
77	59.0	46.5	69.7

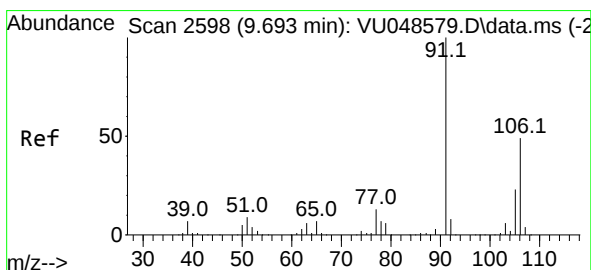
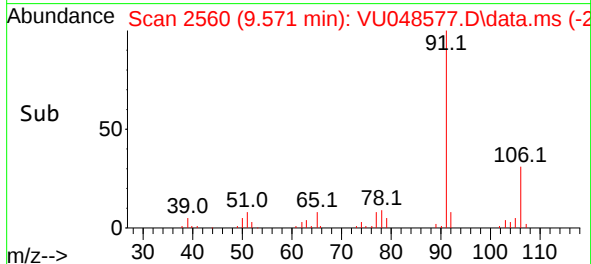
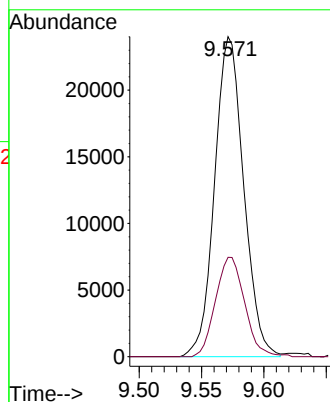
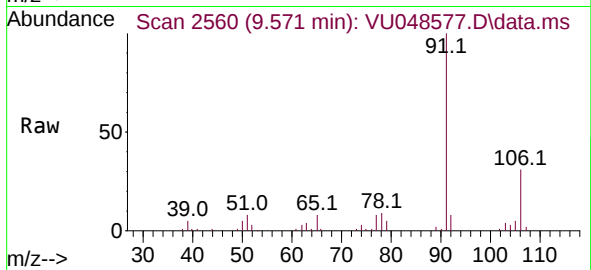




#52
Ethylbenzene
Concen: 5.411 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

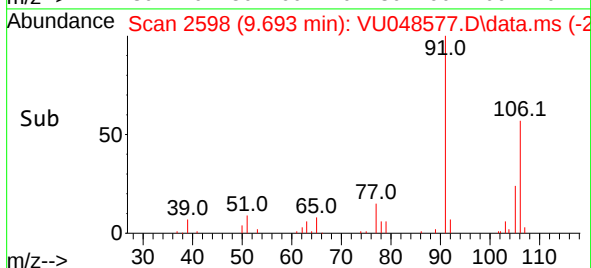
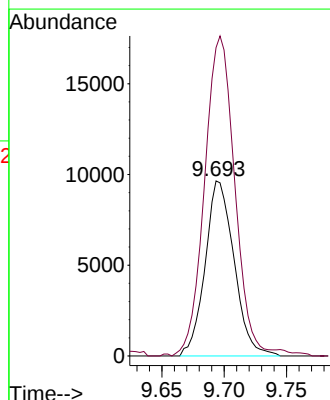
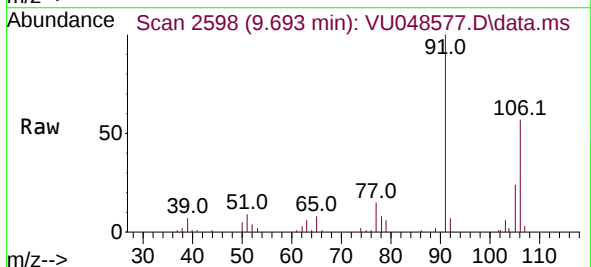
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

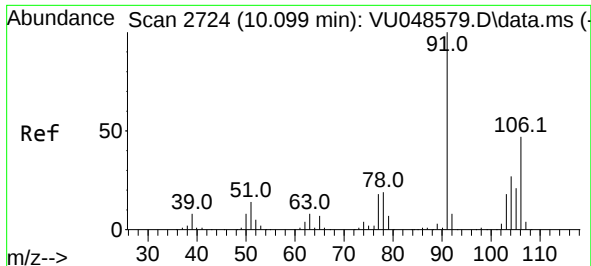
Tgt Ion: 91 Resp: 38974
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.6



#53
m,p-Xylene
Concen: 5.563 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 106 Resp: 15611
Ion Ratio Lower Upper
106 100
91 176.2 141.8 263.4

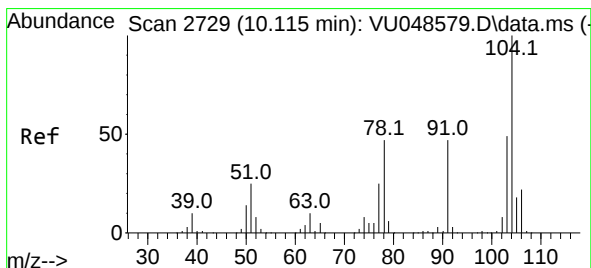
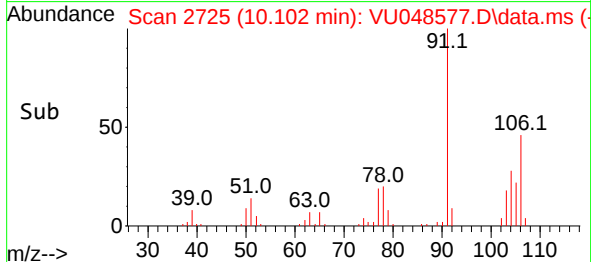
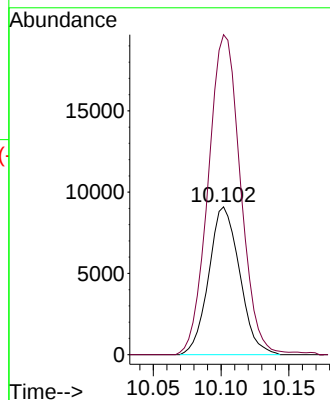
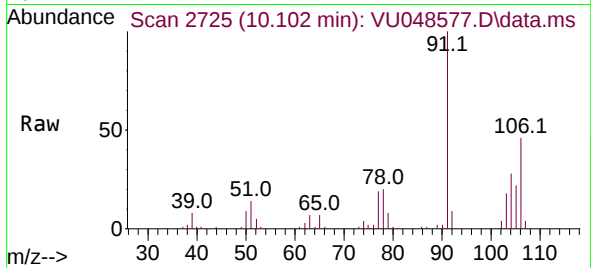




#54
o-Xylene
Concen: 5.162 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

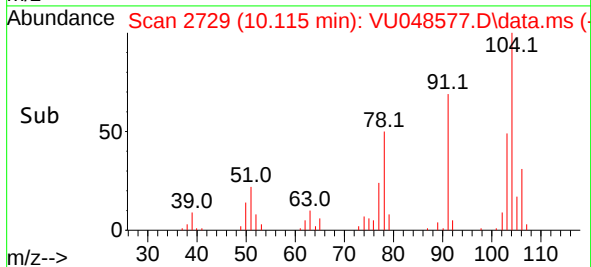
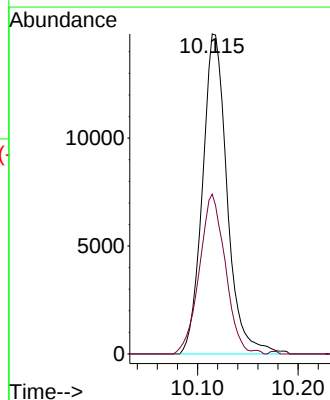
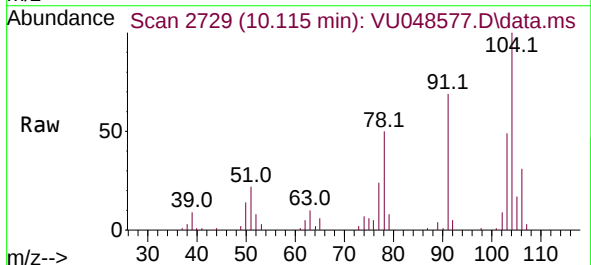
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

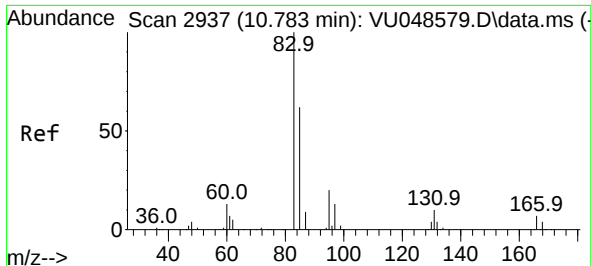
Tgt Ion:106 Resp: 14418
Ion Ratio Lower Upper
106 100
91 216.5 150.1 278.9



#55
Styrene
Concen: 5.508 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:104 Resp: 25303
Ion Ratio Lower Upper
104 100
78 49.9 32.7 60.7





#57

1,1,2-Tetrachloroethane

Concen: 4.788 ug/L

RT: 10.787 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

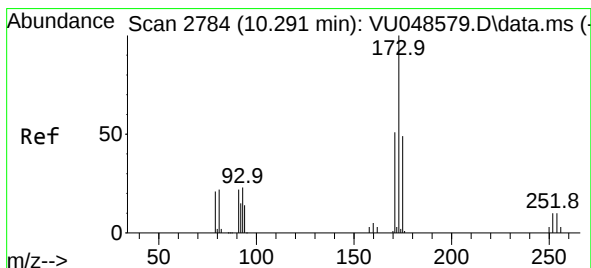
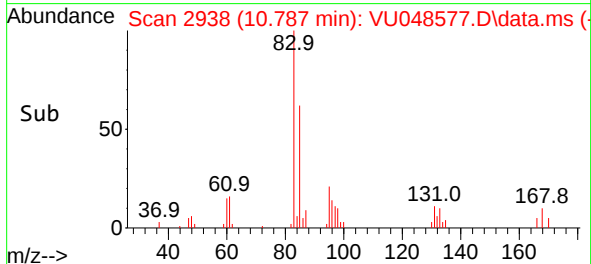
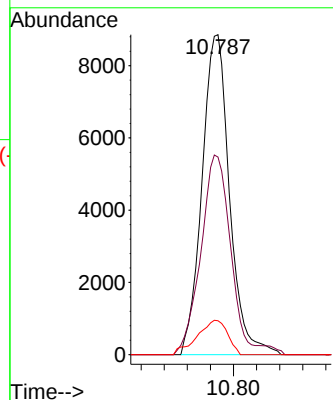
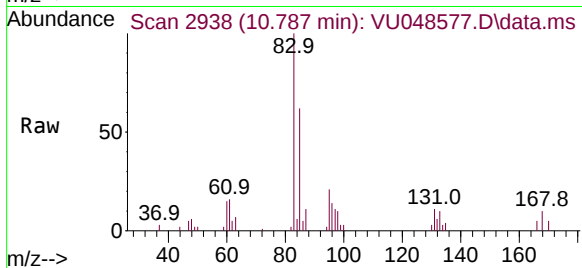
Tgt Ion: 83 Resp: 14662

Ion Ratio Lower Upper

83 100

85 61.8 44.1 81.9

131 10.6 8.9 13.3



#59

Bromoform

Concen: 5.528 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

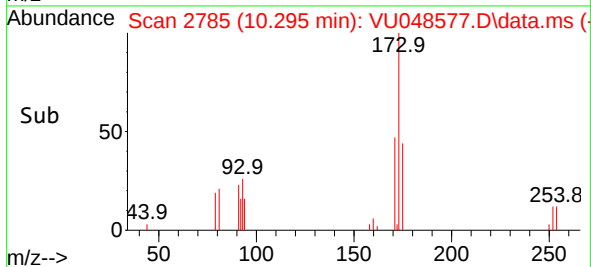
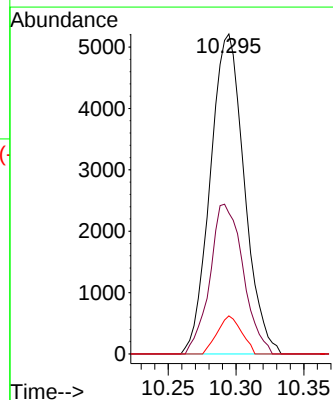
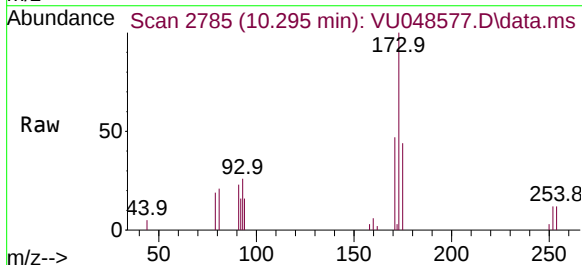
Tgt Ion:173 Resp: 9084

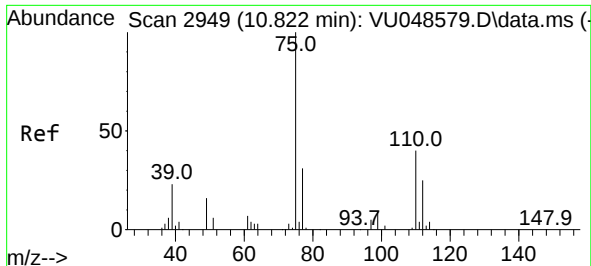
Ion Ratio Lower Upper

173 100

175 45.7 38.2 57.4

254 8.5 7.7 11.5

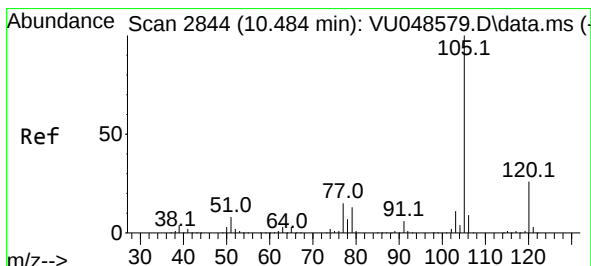
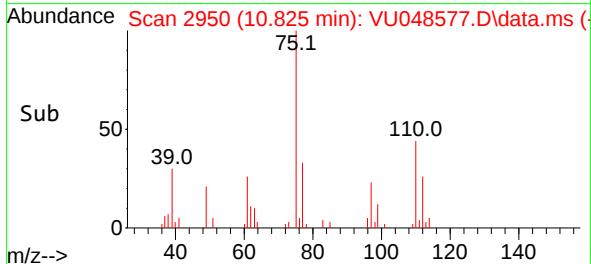
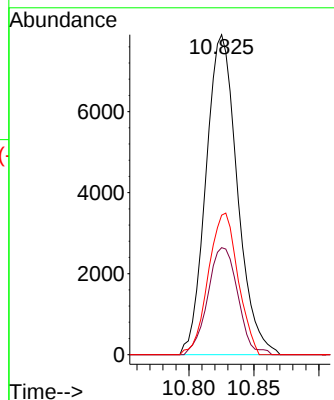
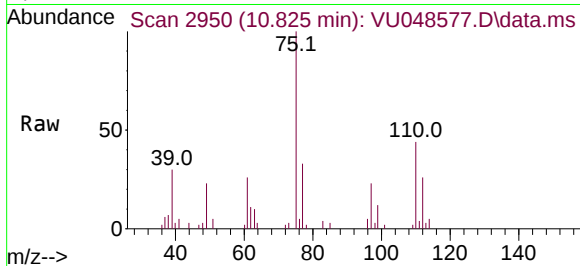




#60
1,2,3-Trichloropropane
Concen: 4.599 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

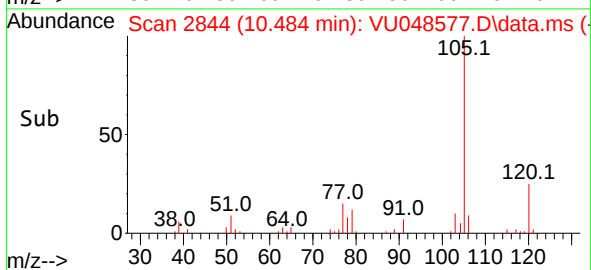
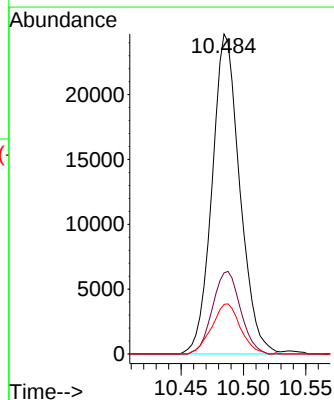
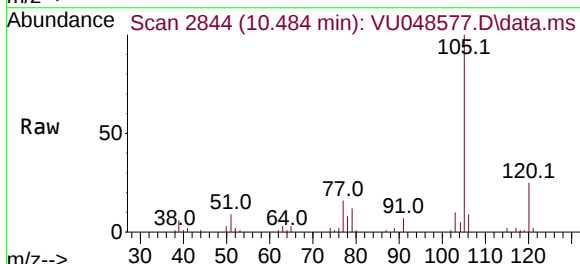
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

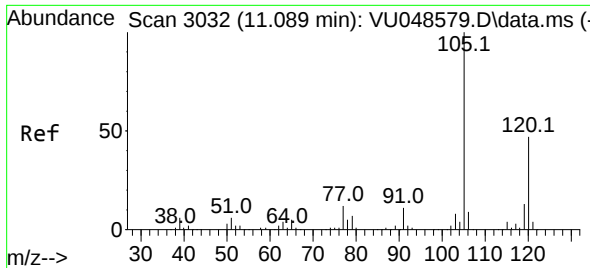
Tgt Ion: 75 Resp: 13268
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
110 41.7 32.1 48.1



#61
Isopropylbenzene
Concen: 4.807 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion: 105 Resp: 38223
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 16.1 12.5 18.7

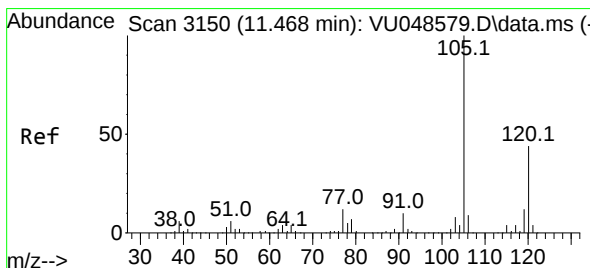
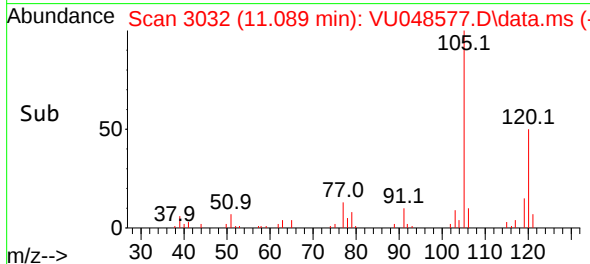
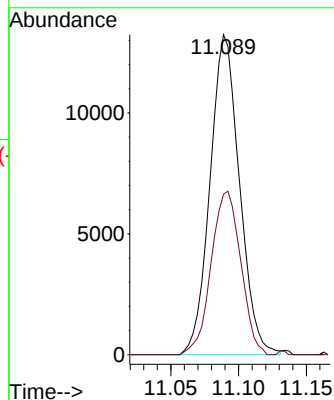
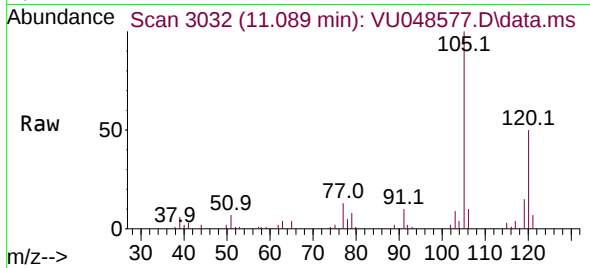




#62
1,3,5-Trimethylbenzene
Concen: 4.531 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

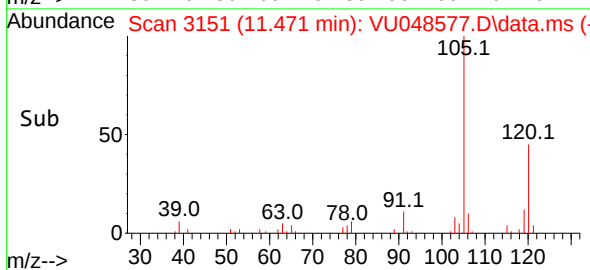
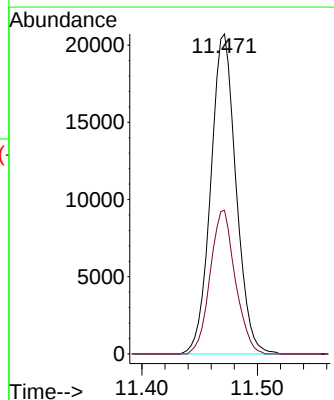
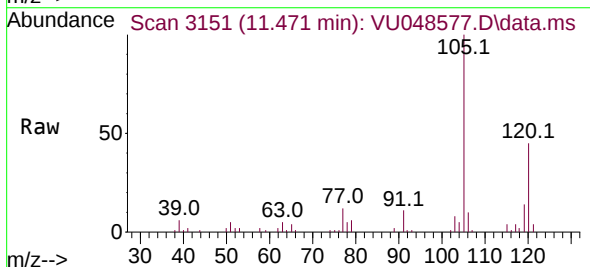
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

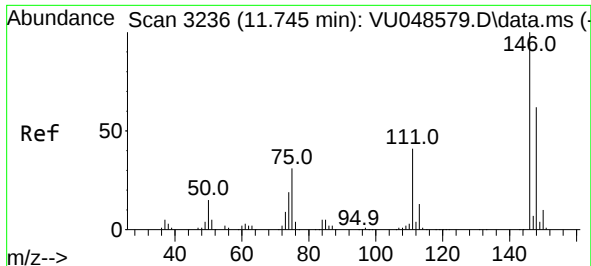
Tgt Ion:105 Resp: 20018
Ion Ratio Lower Upper
105 100
120 51.3 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 4.779 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:105 Resp: 31548
Ion Ratio Lower Upper
105 100
120 44.5 35.4 53.2

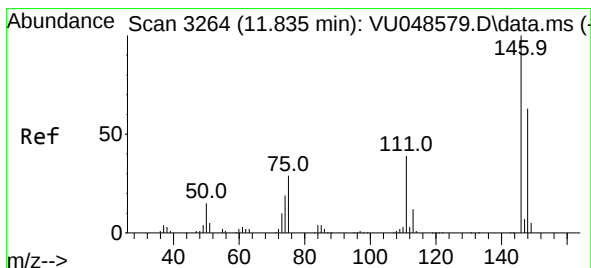
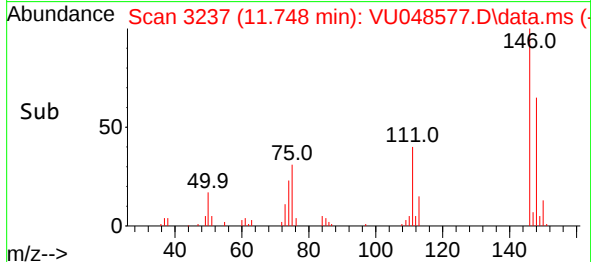
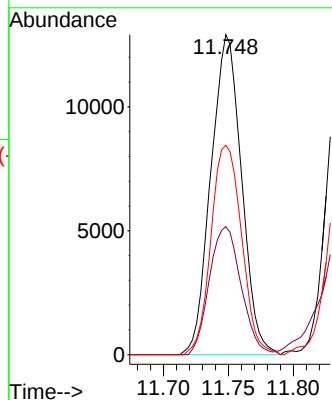
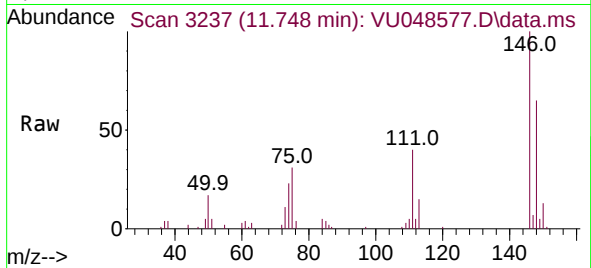




#64
1,3-Dichlorobenzene
Concen: 5.580 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

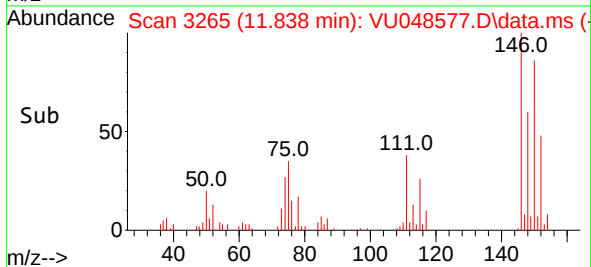
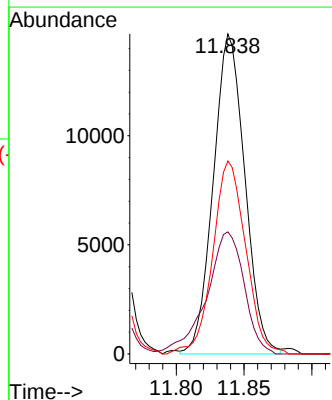
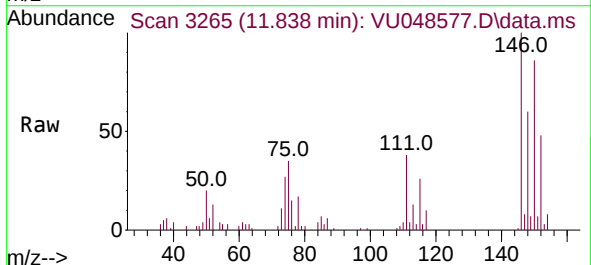
Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

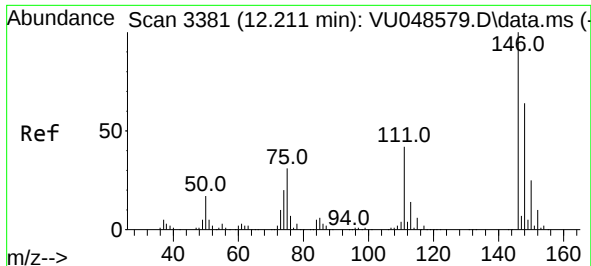
Tgt Ion:146 Resp: 21149
Ion Ratio Lower Upper
146 100
111 40.0 28.7 53.3
148 65.5 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 6.219 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:146 Resp: 23725
Ion Ratio Lower Upper
146 100
111 38.2 27.6 51.2
148 60.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 5.868 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

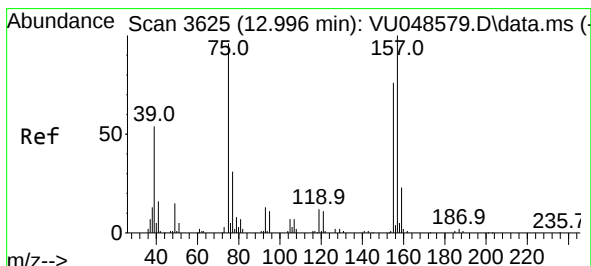
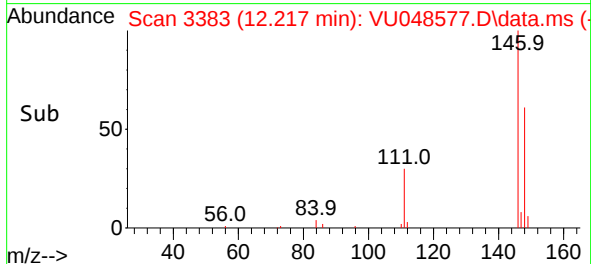
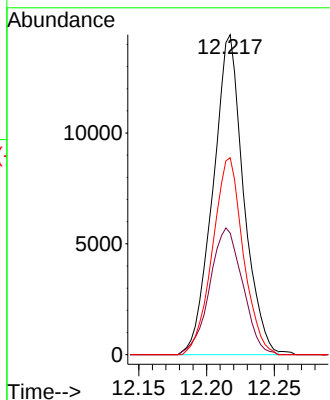
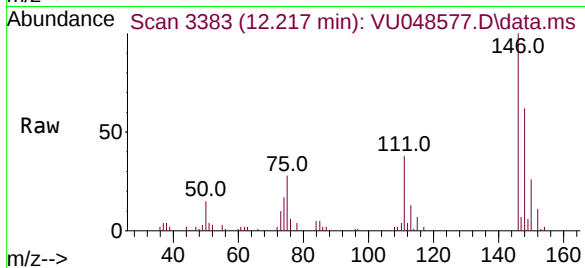
Tgt Ion:146 Resp: 22647

Ion Ratio Lower Upper

146 100

111 38.0 34.1 51.1

148 61.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.947 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

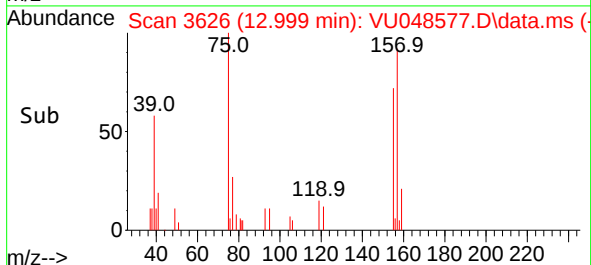
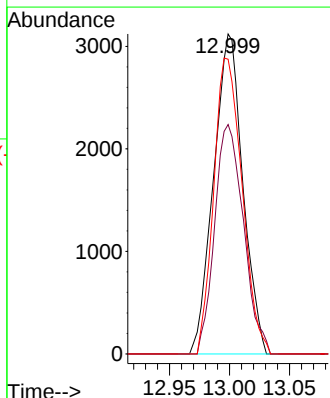
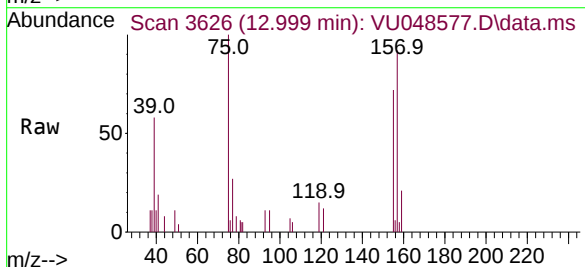
Tgt Ion: 75 Resp: 5276

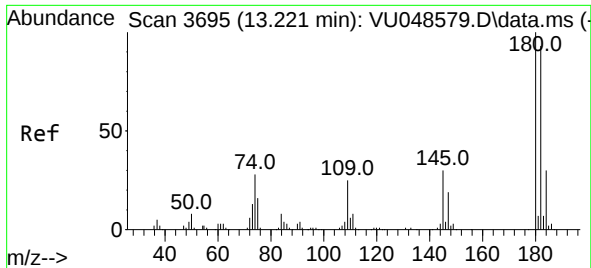
Ion Ratio Lower Upper

75 100

155 67.5 63.5 95.3

157 86.7 83.5 125.3





#69

1,3,5-Trichlorobenzene

Concen: 6.491 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD005068

Tgt Ion:180 Resp: 17802

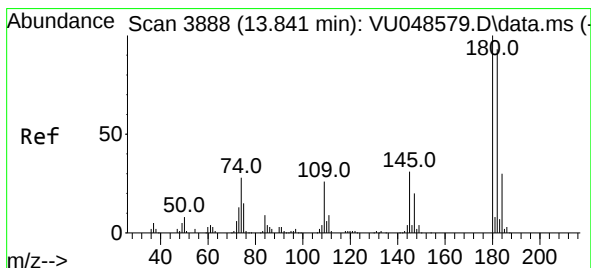
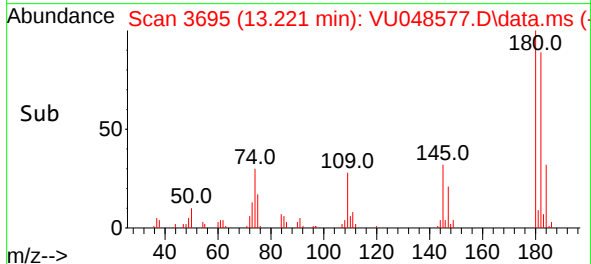
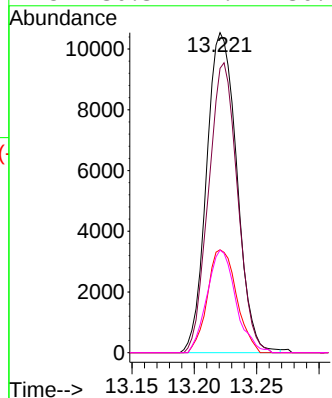
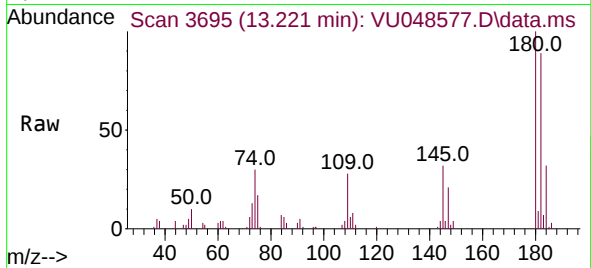
Ion Ratio Lower Upper

180 100

182 86.6 75.8 113.6

184 30.9 23.4 35.2

145 30.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 6.549 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU048577.D

Acq: 16 May 2022 12:41

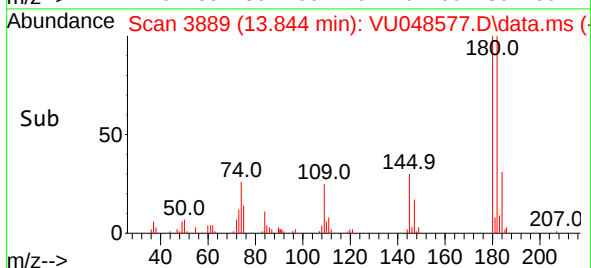
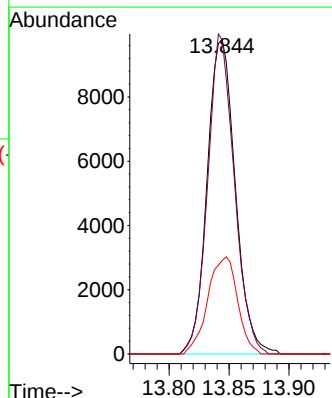
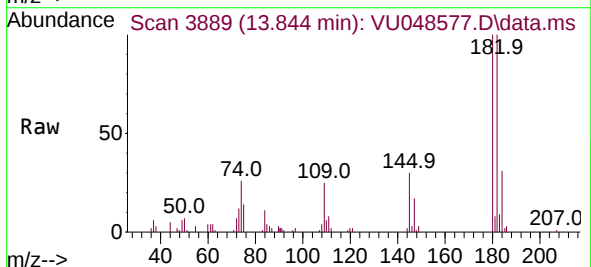
Tgt Ion:180 Resp: 15951

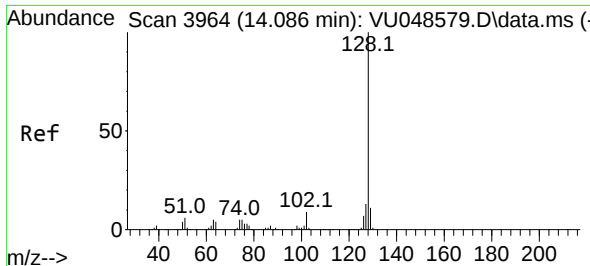
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

145 32.6 24.9 37.3

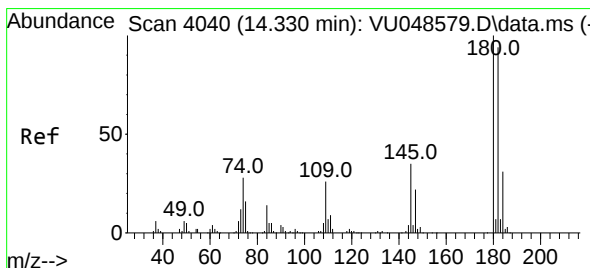
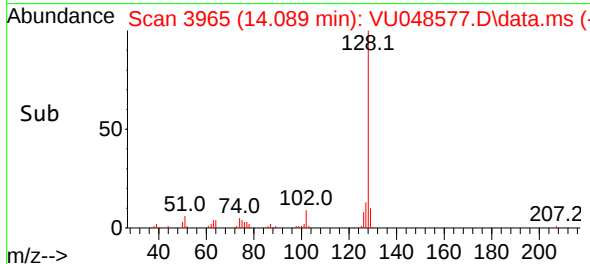
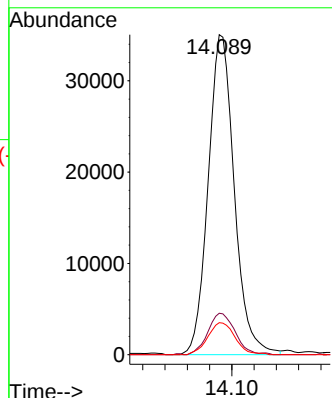
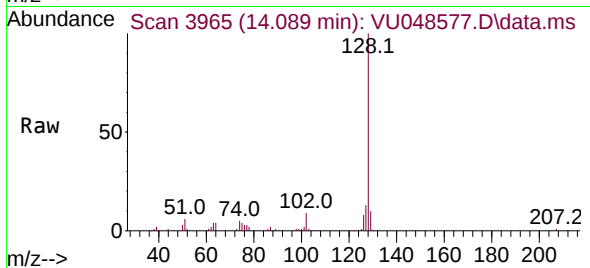




#71
Naphthalene
Concen: 6.183 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD005068

Tgt Ion:	128	Resp:	57048
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.5	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 6.515 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048577.D
Acq: 16 May 2022 12:41

Tgt Ion:	180	Resp:	16679
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.6	113.4
145	32.3	27.1	40.7

