

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049667.D
 Acq On : 11 Jul 2022 10:47
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

Quant Time: Jul 12 02:11:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:09:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224735	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	210381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100182	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	18752	12.612	ug/L	0.00
7) Chloroethane-d5	1.906	69	13584	12.483	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	33715	12.214	ug/L	0.00
21) 2-Butanone-d5	4.626	46	31922	20.831	ug/L	0.00
24) Chloroform-d	5.064	84	32853	10.858	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	22683	11.533	ug/L	0.00
32) Benzene-d6	5.726	84	62669	11.545	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	21053	11.590	ug/L	0.00
41) Toluene-d8	7.896	98	53596	11.188	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	8353	9.884	ug/L	0.00
47) 2-Hexanone-d5	8.633	63	17224	18.606	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	28032	9.521	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	18879	10.688	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	28508	13.379	ug/L	99
3) Chloromethane	1.520	50	32584	14.269	ug/L	97
5) Vinyl chloride	1.604	62	27729	13.035	ug/L	98
6) Bromomethane	1.845	94	13732	12.055	ug/L	99
8) Chloroethane	1.929	64	16358	13.819	ug/L	98
9) Trichlorofluoromethane	2.134	101	34794	11.960	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18565	11.389	ug/L	98
12) 1,1-Dichloroethene	2.578	96	16542	11.535	ug/L	89
13) Acetone	2.626	43	29832	23.536	ug/L	99
14) Carbon disulfide	2.790	76	56566	14.478	ug/L	99
15) Methyl Acetate	2.951	43	26980	11.281	ug/L	98
16) Methylene chloride	3.041	84	21802	11.725	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	18289	11.648	ug/L	92
18) Methyl tert-butyl Ether	3.363	73	62477	10.821	ug/L	99
19) 1,1-Dichloroethane	3.867	63	38390	11.373	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	20321	10.787	ug/L	99
22) 2-Butanone	4.703	43	40811	21.773	ug/L	98
23) Bromochloromethane	4.973	128	10524	10.714	ug/L	98
25) Chloroform	5.086	83	38195	10.980	ug/L	99
27) 1,2-Dichloroethane	5.793	62	32984	11.508	ug/L	97
29) Cyclohexane	5.388	56	34258	13.390	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	32119	10.804	ug/L	99
31) Carbon tetrachloride	5.523	117	25886	10.074	ug/L	98
33) Benzene	5.774	78	83653	11.859	ug/L	100
34) Trichloroethene	6.543	95	19899	11.284	ug/L	94
35) Methylcyclohexane	6.761	83	30392	11.984	ug/L	99
37) 1,2-Dichloropropane	6.790	63	23268	11.710	ug/L	100
38) Bromodichloromethane	7.105	83	28166	10.888	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	28526	9.888	ug/L	94
40) 4-Methyl-2-pentanone	7.790	43	71909	21.702	ug/L	100
42) Toluene	7.967	91	80264	11.046	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	27090	9.635	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049667.D
 Acq On : 11 Jul 2022 10:47
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

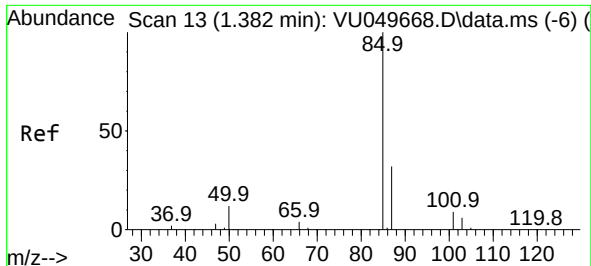
Quant Time: Jul 12 02:11:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:09:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	20144	10.709	ug/L	97
46) Tetrachloroethene	8.552	164	14090	10.445	ug/L	94
48) 2-Hexanone	8.684	43	57264	21.269	ug/L	98
49) Dibromochloromethane	8.809	129	20224	9.849	ug/L	98
50) 1,2-Dibromoethane	8.922	107	19185	9.812	ug/L	97
51) Chlorobenzene	9.446	112	49003	10.254	ug/L	99
52) Ethylbenzene	9.571	91	82899	10.583	ug/L	98
53) m,p-Xylene	9.690	106	29506	9.805	ug/L	96
54) o-Xylene	10.099	106	30232	9.914	ug/L	98
55) Styrene	10.115	104	48162	9.476	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	36102	10.286	ug/L #	95
59) Bromoform	10.288	173	14376	9.913	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	28841	11.168	ug/L	98
61) Isopropylbenzene	10.485	105	77150	11.131	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	63507	10.736	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	60452	12.106	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	33882	10.086	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	34570	10.202	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	36052	10.428	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	8542	10.256	ug/L	93
69) 1,3,5-Trichlorobenzene	13.218	180	22964	9.603	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	20471	9.998	ug/L	100
71) Naphthalene	14.086	128	68818	9.387	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	21318	9.859	ug/L	98

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

Quant Time: Jul 12 02:11:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 12 02:09:40 2022
Response via : Initial Calibration

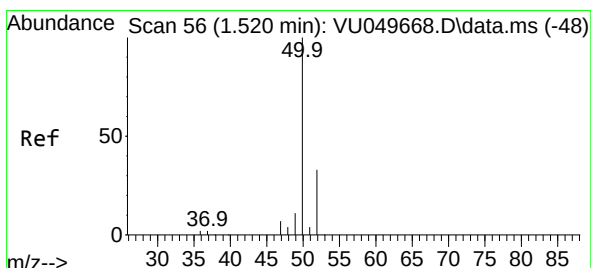
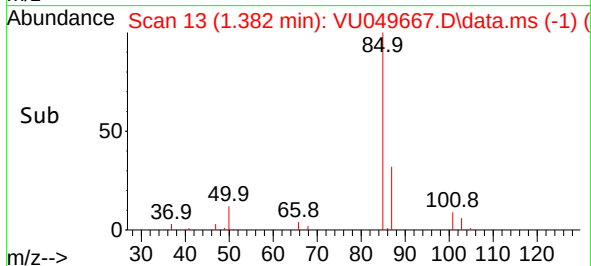
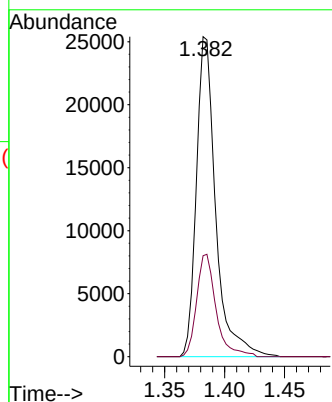
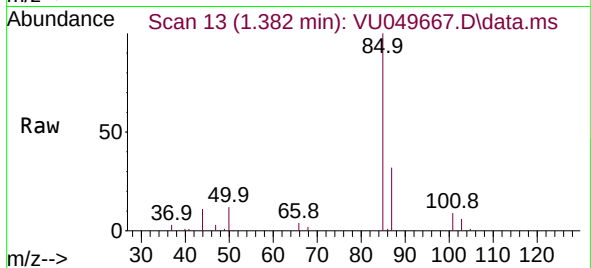




#2
Dichlorodifluoromethane
Concen: 13.379 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

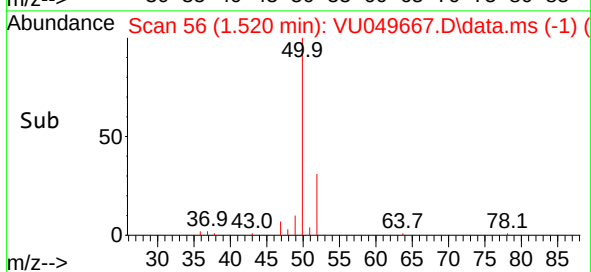
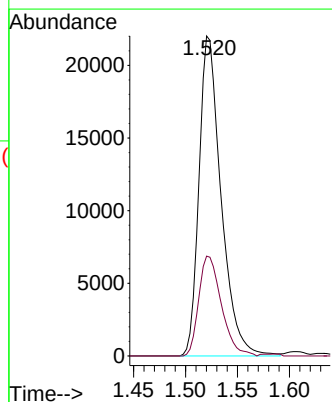
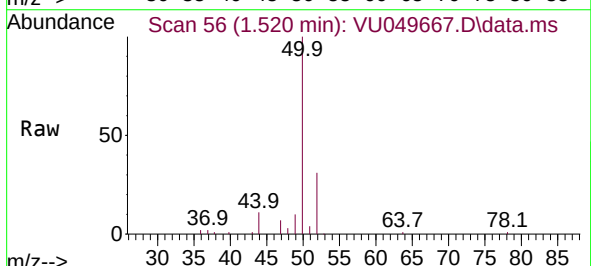
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

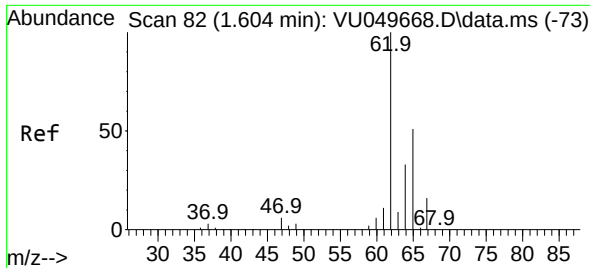
Tgt Ion: 85 Resp: 28508
Ion Ratio Lower Upper
85 100
87 32.2 26.3 39.5



#3
Chloromethane
Concen: 14.269 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 50 Resp: 32584
Ion Ratio Lower Upper
50 100
52 31.2 23.2 43.0

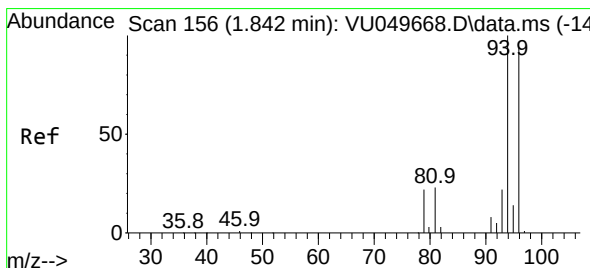
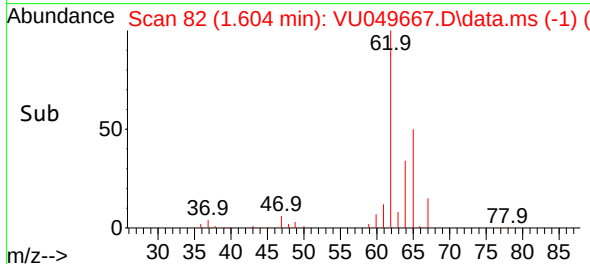
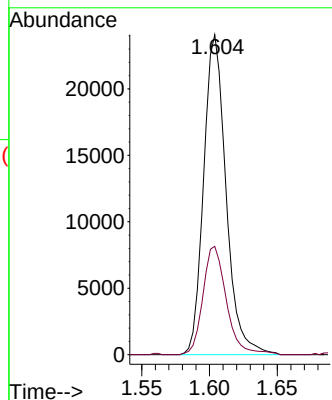
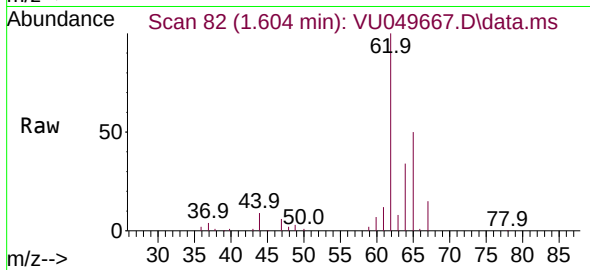




#5
 Vinyl chloride
 Concen: 13.035 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

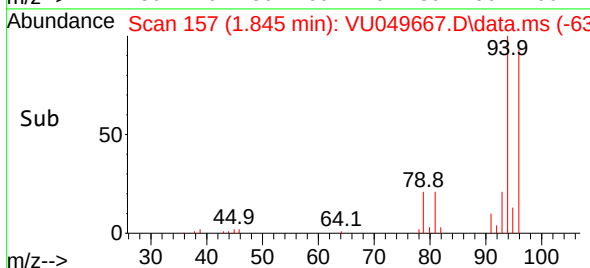
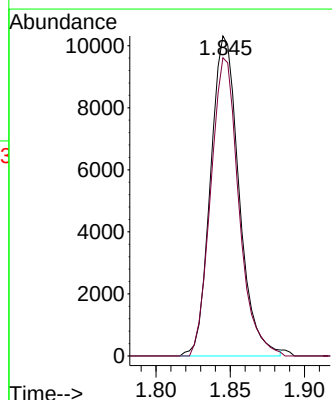
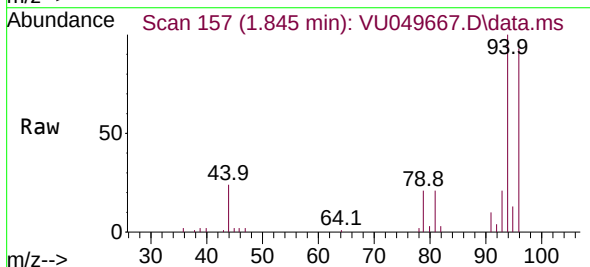
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

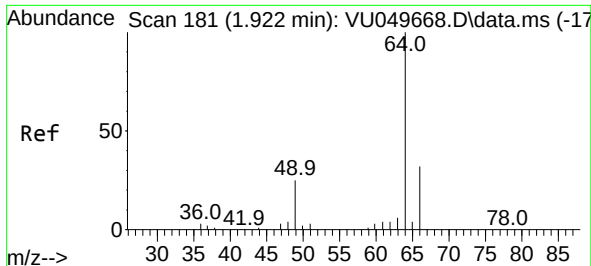
Tgt Ion: 62 Resp: 27729
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.0 42.6



#6
 Bromomethane
 Concen: 12.055 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

Tgt Ion: 94 Resp: 13732
 Ion Ratio Lower Upper
 94 100
 96 93.2 66.1 122.7

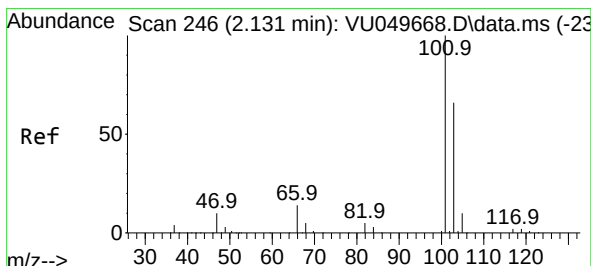
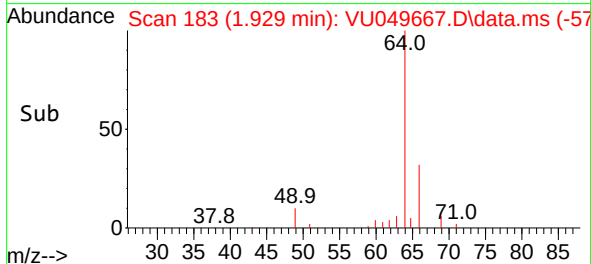
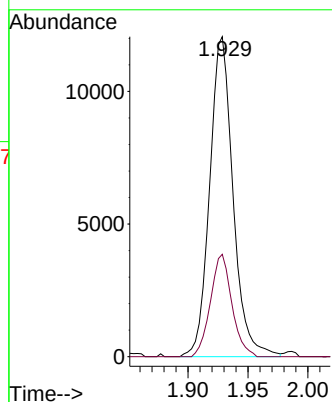
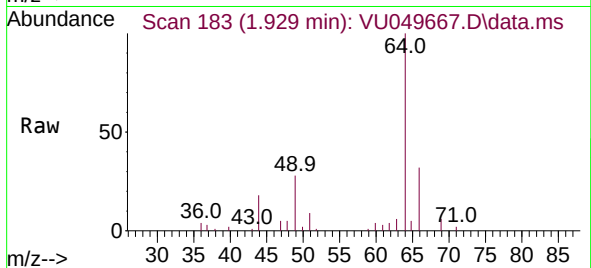




#8
Chloroethane
Concen: 13.819 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

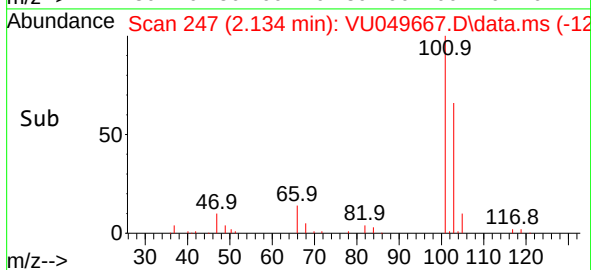
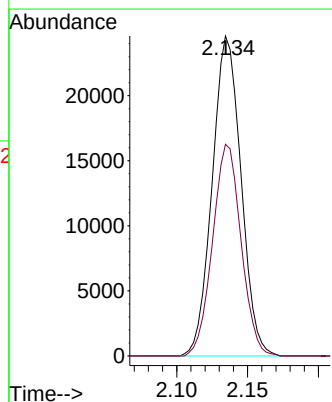
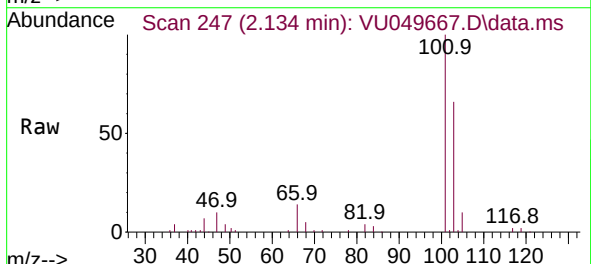
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

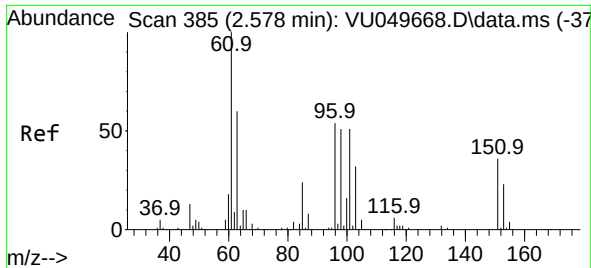
Tgt Ion: 64 Resp: 16358
Ion Ratio Lower Upper
64 100
66 30.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 11.960 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:101 Resp: 34794
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

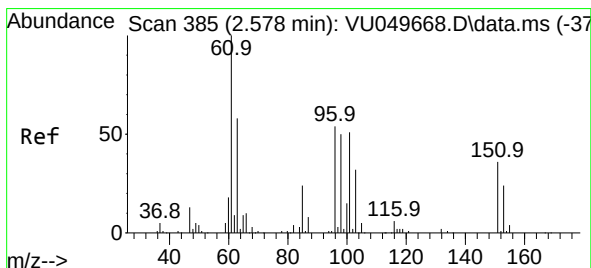
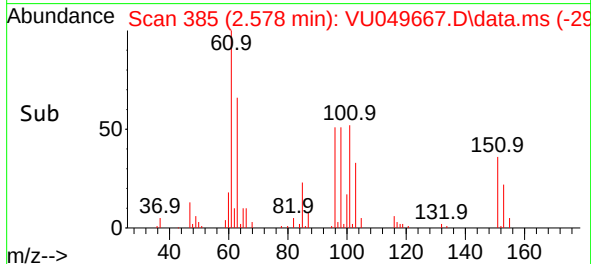
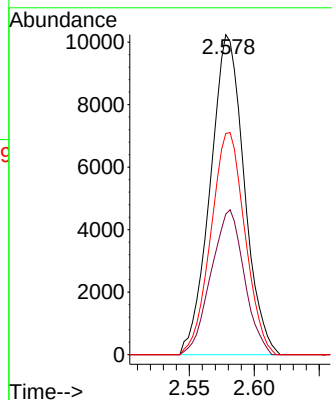
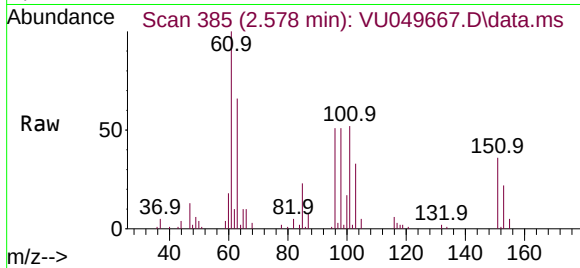




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.389 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

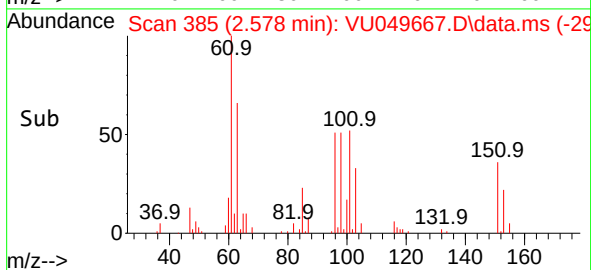
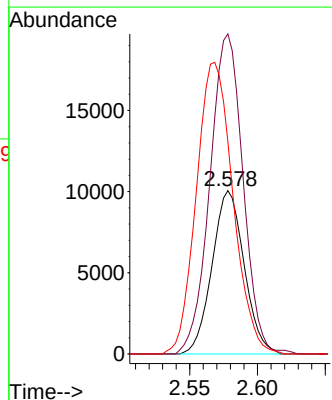
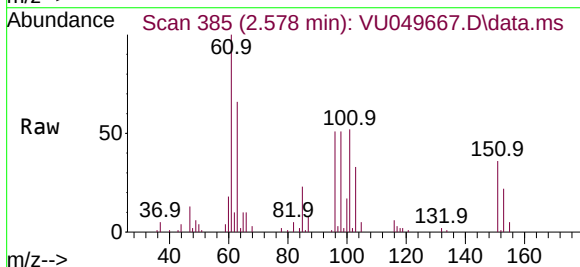
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

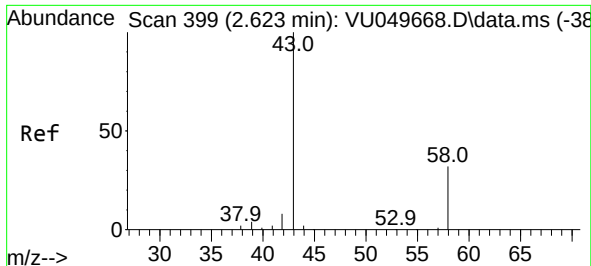
Tgt Ion:	101	Resp:	18565
Ion Ratio	Lower	Upper	
101	100		
85	44.4	37.3	55.9
151	69.7	56.9	85.3



#12
 1,1-Dichloroethene
 Concen: 11.535 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

Tgt Ion:	96	Resp:	16542
Ion Ratio	Lower	Upper	
96	100		
61	195.9	129.6	240.6
63	130.0	79.0	146.6





#13

Acetone

Concen: 23.536 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

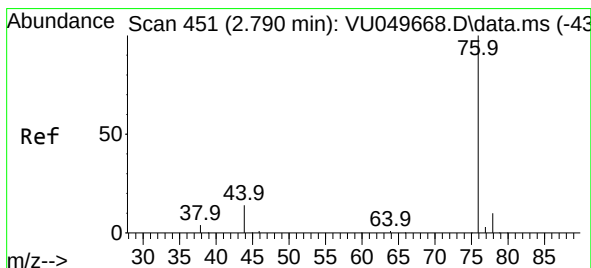
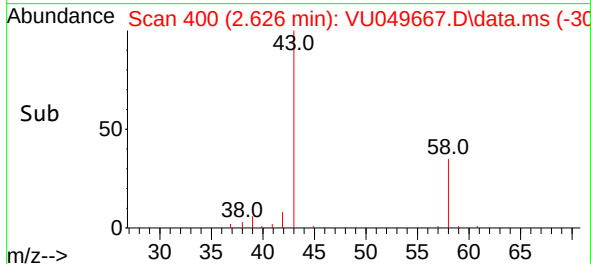
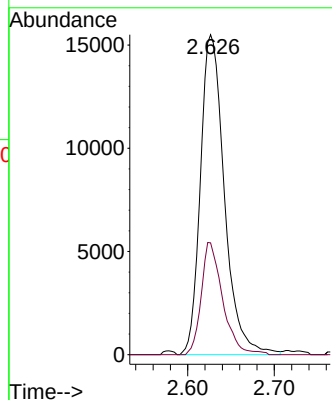
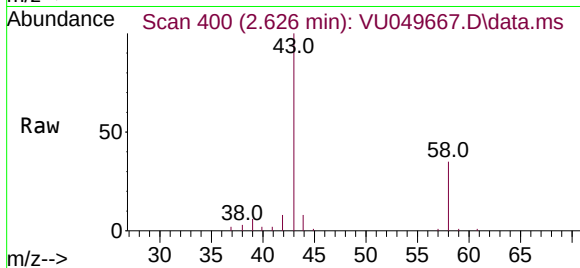
VSTD010002

Tgt Ion: 43 Resp: 29832

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.4



#14

Carbon disulfide

Concen: 14.478 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049667.D

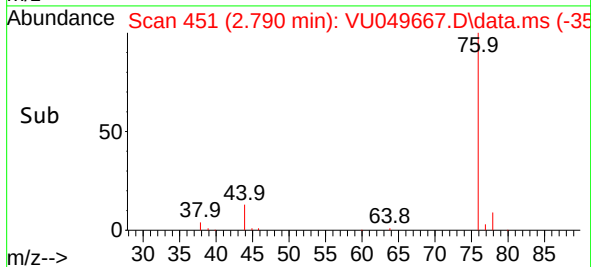
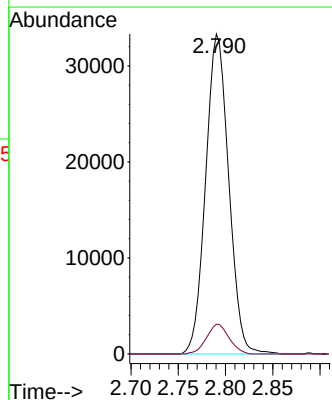
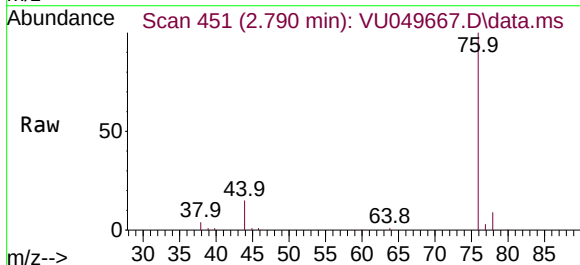
Acq: 11 Jul 2022 10:47

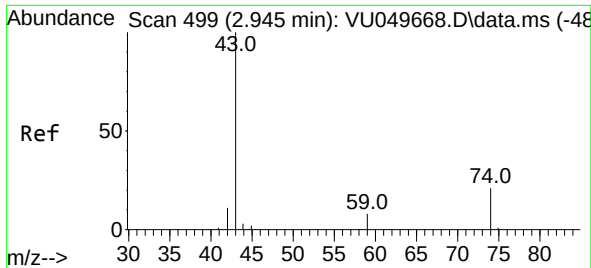
Tgt Ion: 76 Resp: 56566

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

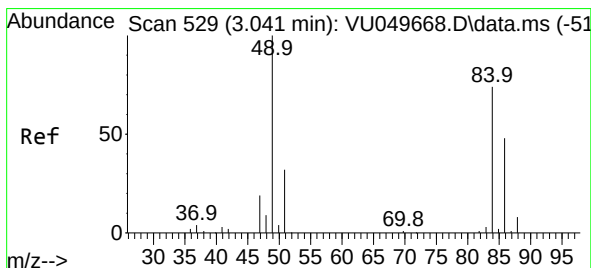
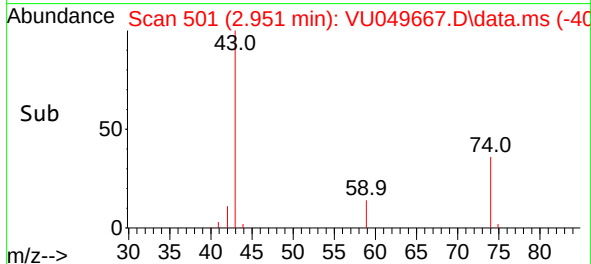
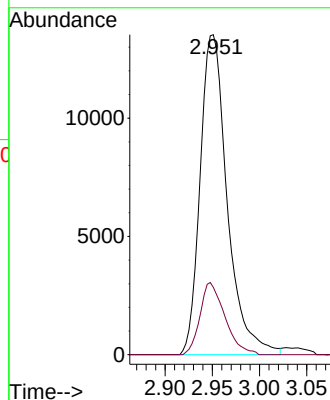
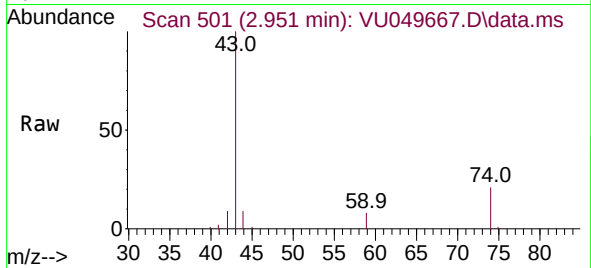




#15
Methyl Acetate
Concen: 11.281 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

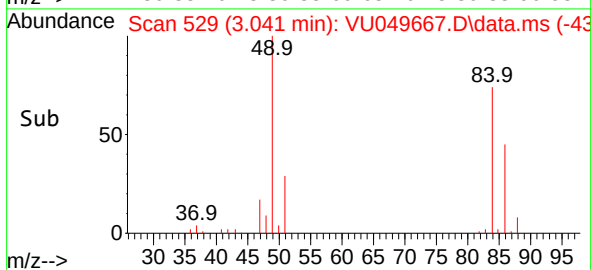
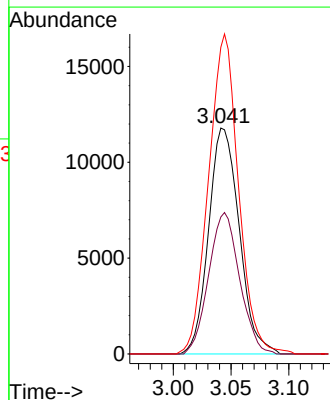
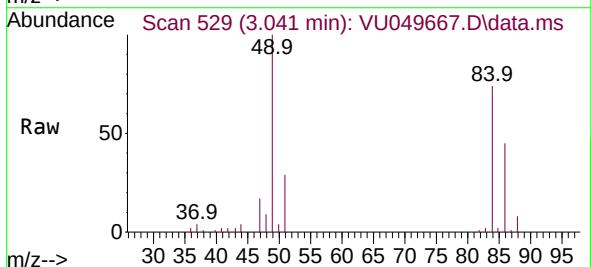
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

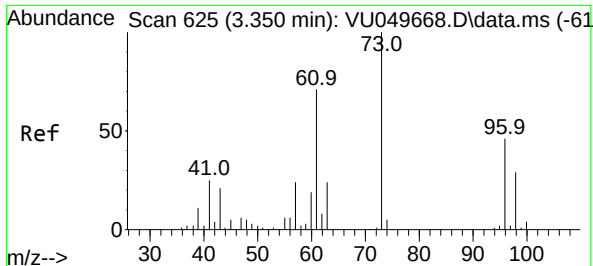
Tgt Ion: 43 Resp: 26980
Ion Ratio Lower Upper
43 100
74 20.7 17.4 26.0



#16
Methylene chloride
Concen: 11.725 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 84 Resp: 21802
Ion Ratio Lower Upper
84 100
86 60.7 45.6 84.6
49 135.8 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 11.648 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

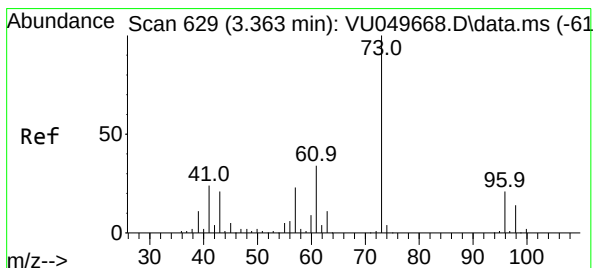
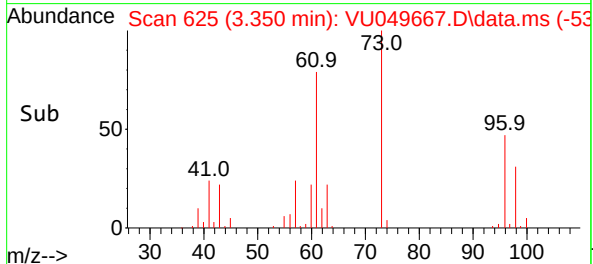
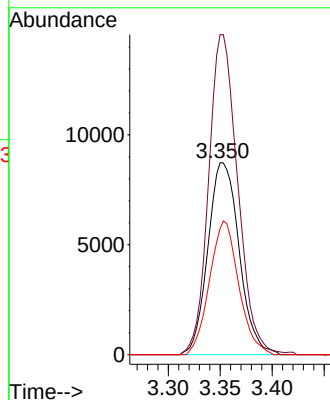
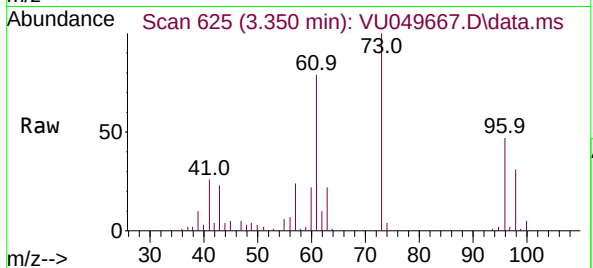
Tgt Ion: 96 Resp: 18289

Ion Ratio Lower Upper

96 100

61 166.7 107.6 199.8

98 65.6 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 10.821 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

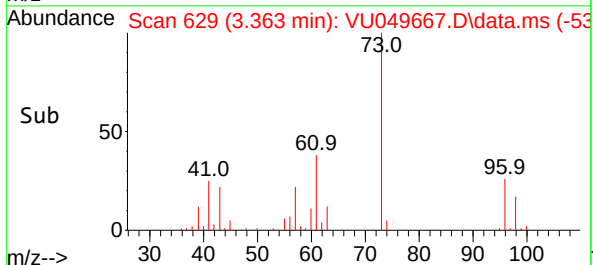
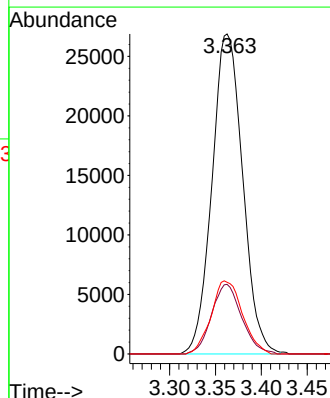
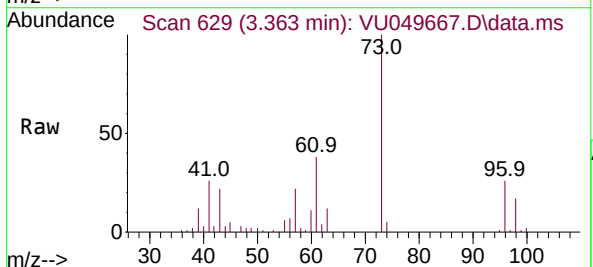
Tgt Ion: 73 Resp: 62477

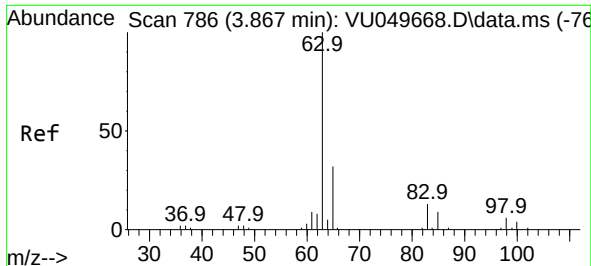
Ion Ratio Lower Upper

73 100

43 21.4 17.0 25.4

57 23.4 18.5 27.7





#19

1,1-Dichloroethane

Concen: 11.373 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

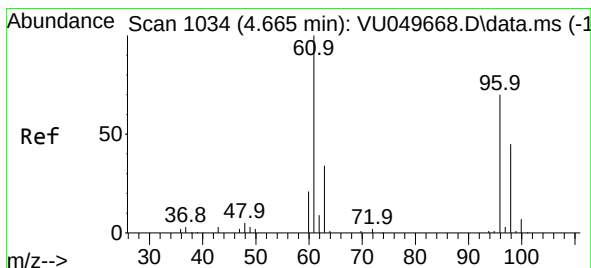
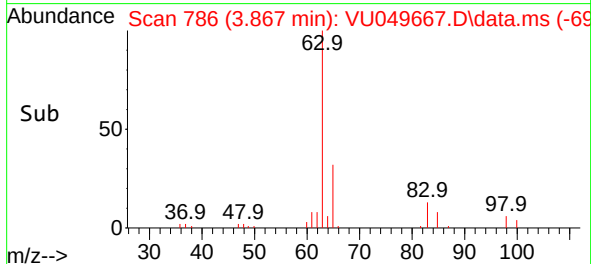
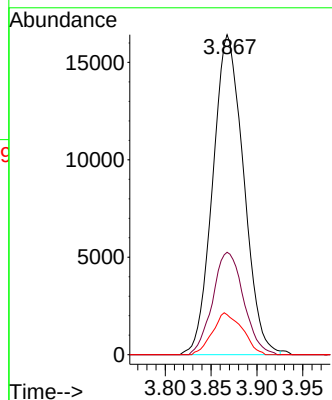
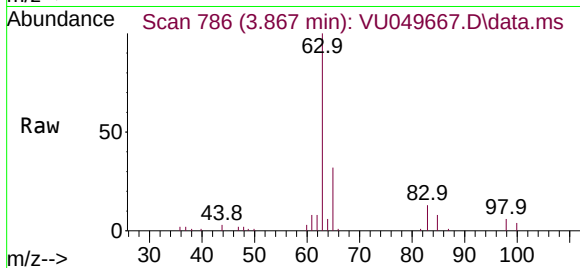
Tgt Ion: 63 Resp: 38390

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

83 12.5 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 10.787 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

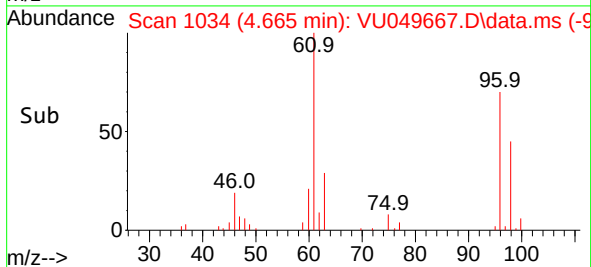
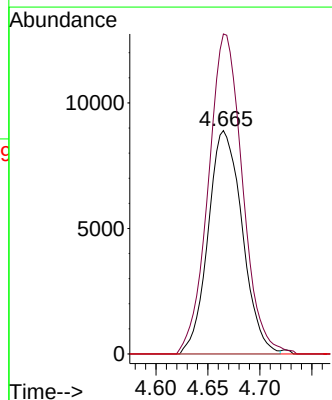
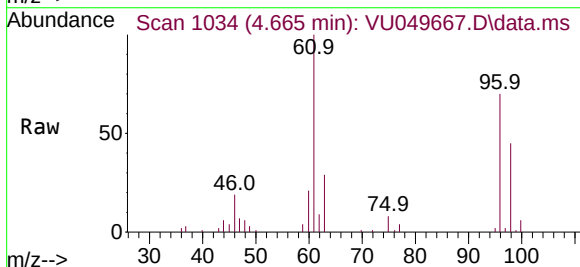
Tgt Ion: 96 Resp: 20321

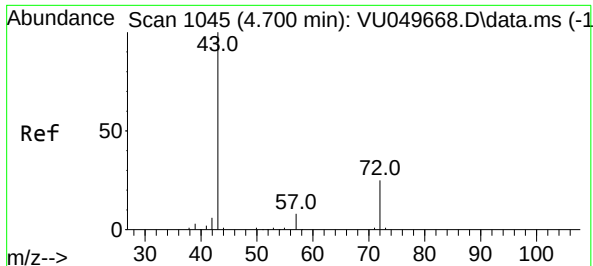
Ion Ratio Lower Upper

96 100

61 143.2 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 21.773 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

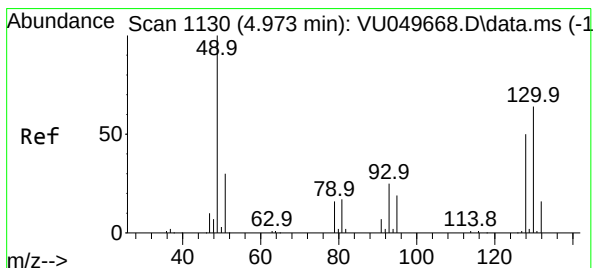
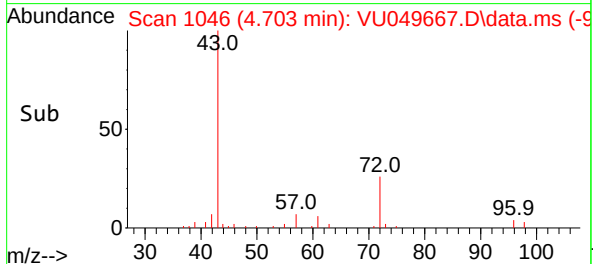
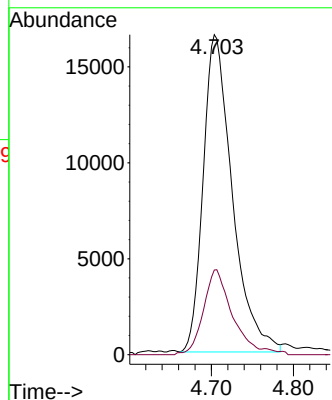
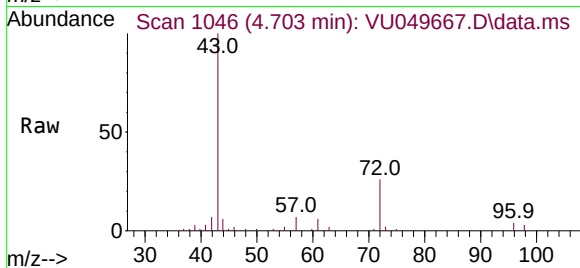
VSTD010002

Tgt Ion: 43 Resp: 40811

Ion Ratio Lower Upper

43 100

72 24.3 12.7 38.0



#23

Bromochloromethane

Concen: 10.714 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Tgt Ion: 128 Resp: 10524

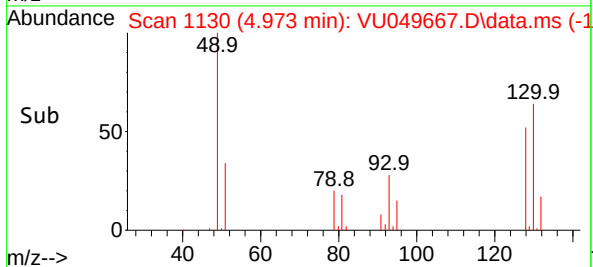
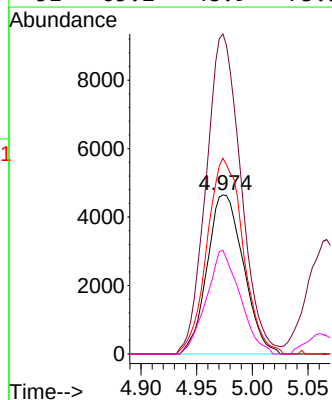
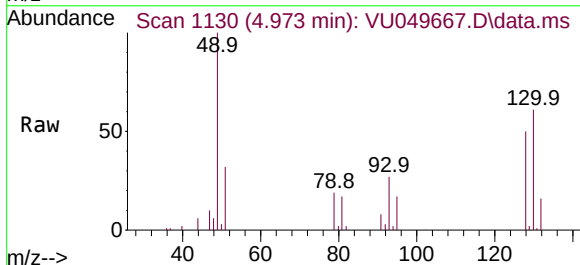
Ion Ratio Lower Upper

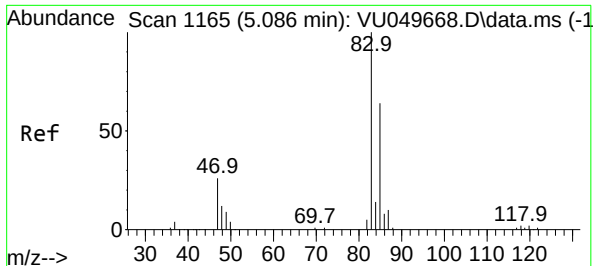
128 100

49 201.2 140.9 261.7

130 123.1 90.0 167.2

51 65.2 48.9 73.3





#25

Chloroform

Concen: 10.980 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

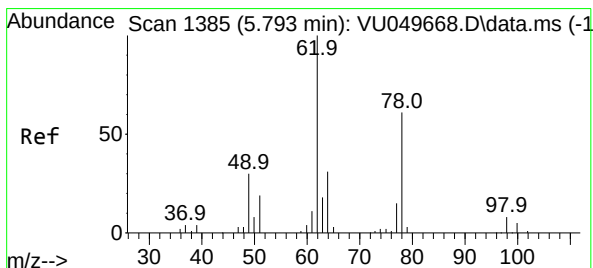
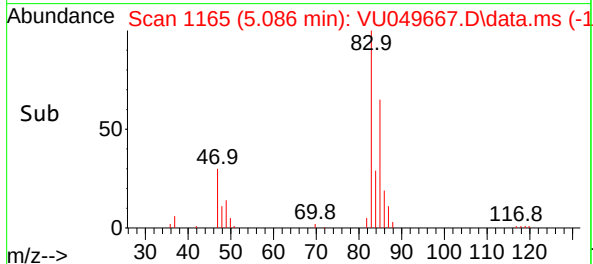
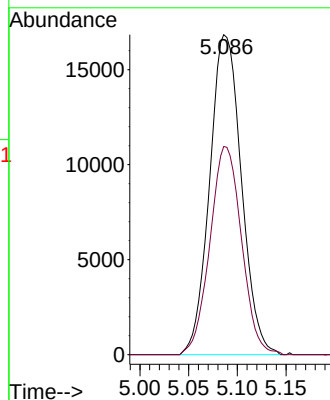
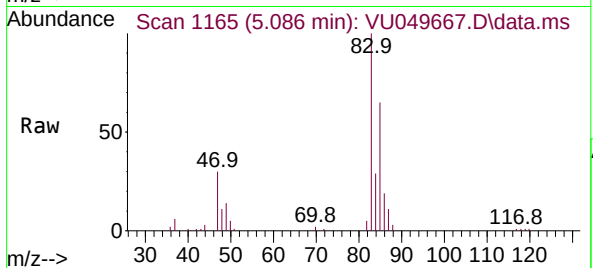
VSTD010002

Tgt Ion: 83 Resp: 38195

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 11.508 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049667.D

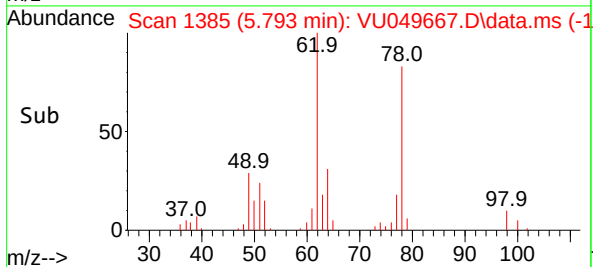
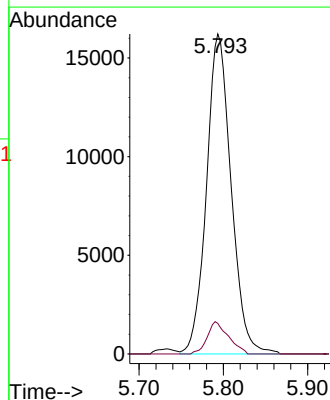
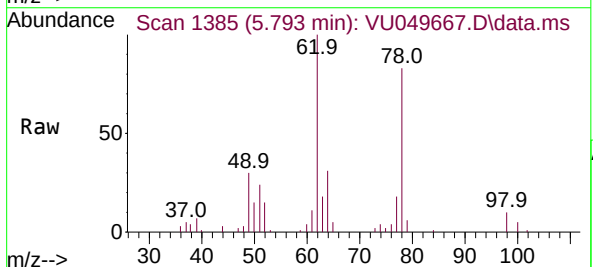
Acq: 11 Jul 2022 10:47

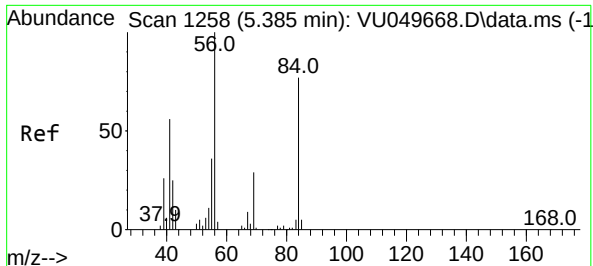
Tgt Ion: 62 Resp: 32984

Ion Ratio Lower Upper

62 100

98 9.6 6.7 10.1





#29

Cyclohexane

Concen: 13.390 ug/L

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

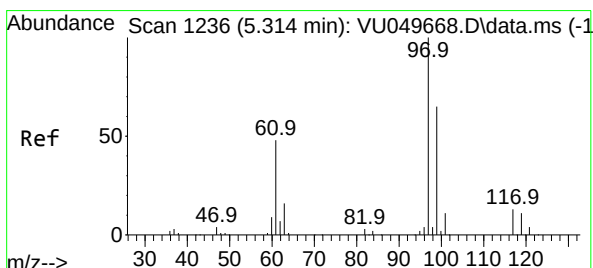
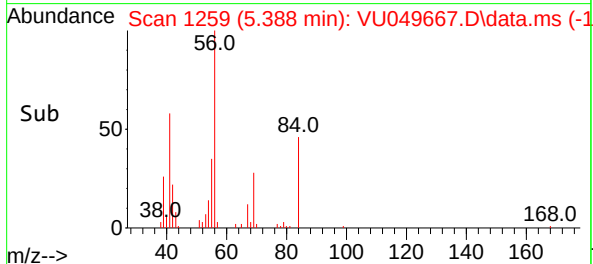
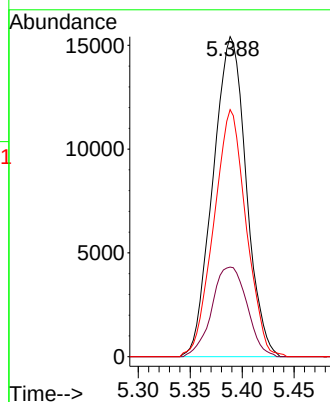
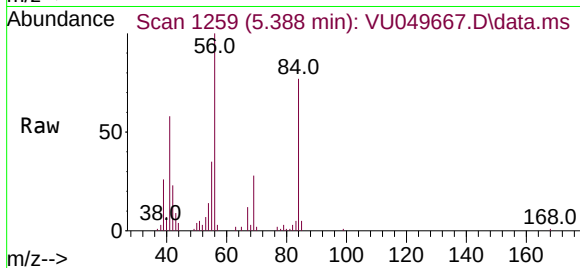
Tgt Ion: 56 Resp: 34258

Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.2

84 75.2 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 10.804 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

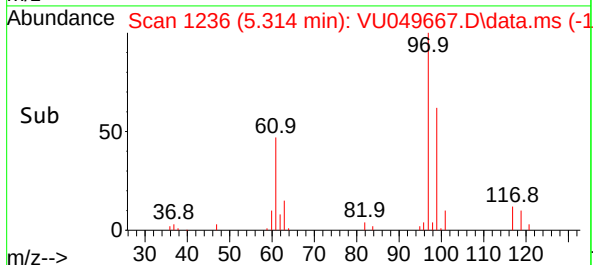
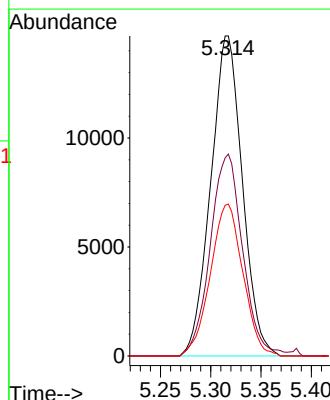
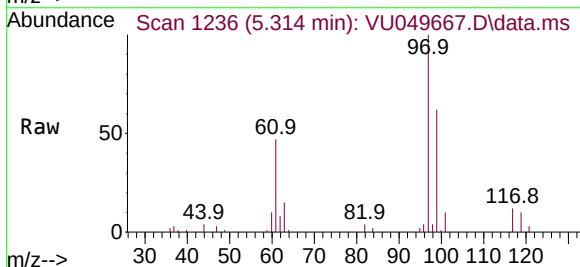
Tgt Ion: 97 Resp: 32119

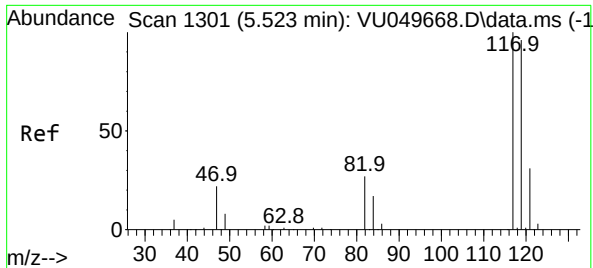
Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 48.8 38.2 57.2

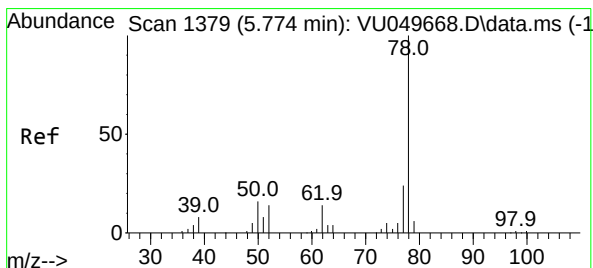
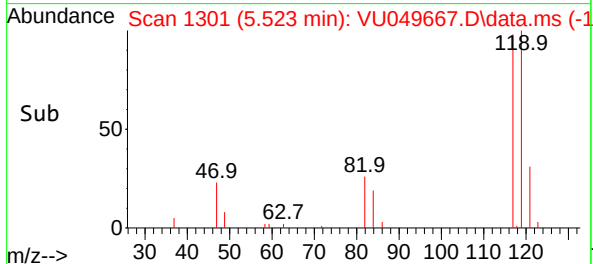
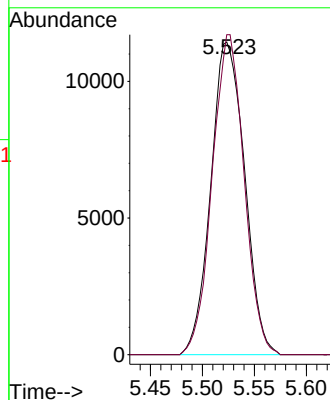
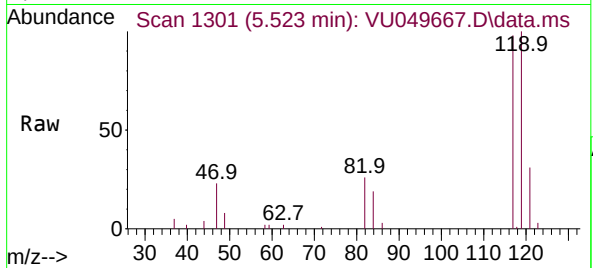




#31
Carbon tetrachloride
Concen: 10.074 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

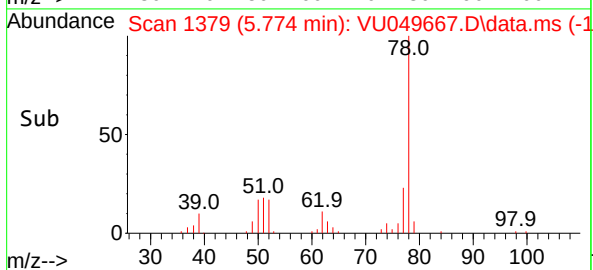
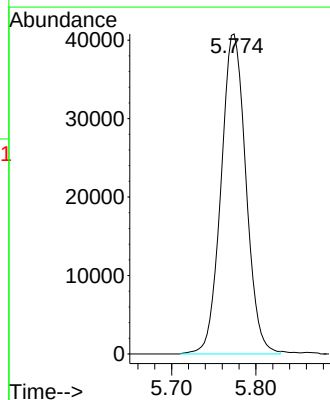
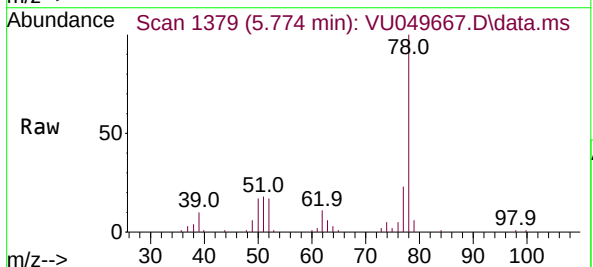
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

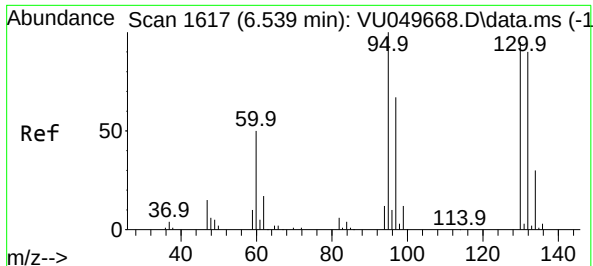
Tgt Ion:117 Resp: 25886
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8



#33
Benzene
Concen: 11.859 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 78 Resp: 83653





#34

Trichloroethene

Concen: 11.284 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

Tgt Ion: 95 Resp: 19899

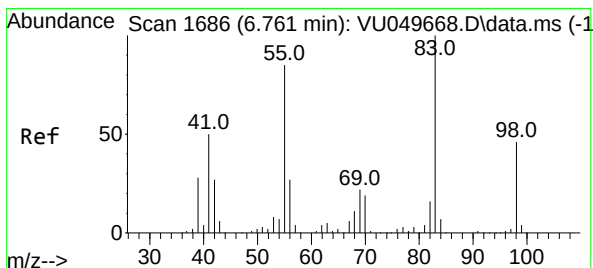
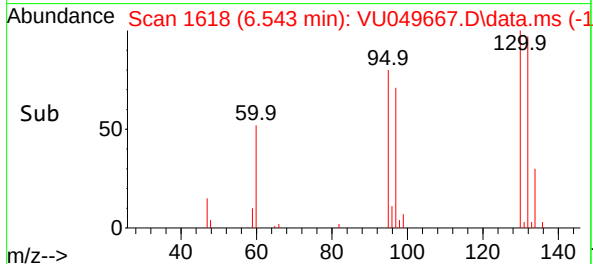
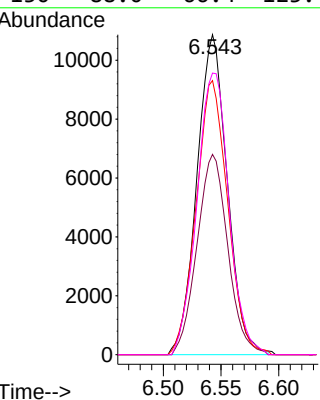
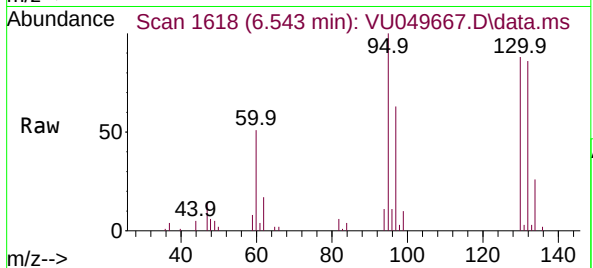
Ion Ratio Lower Upper

95 100

97 62.6 46.9 87.1

132 85.6 62.7 116.5

130 88.0 66.4 123.4



#35

Methylcyclohexane

Concen: 11.984 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

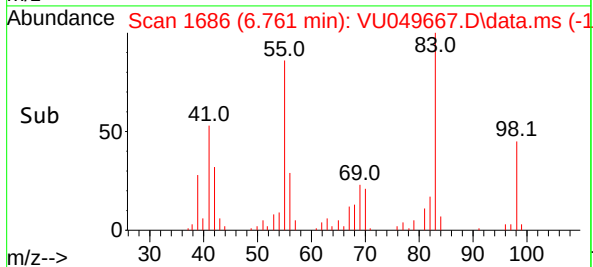
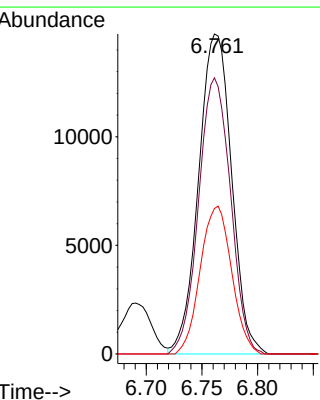
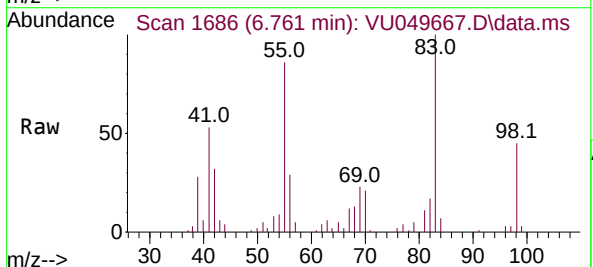
Tgt Ion: 83 Resp: 30392

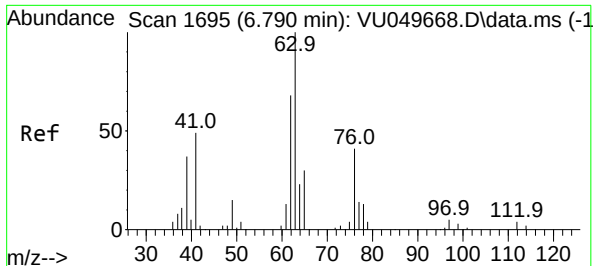
Ion Ratio Lower Upper

83 100

55 83.4 66.0 99.0

98 43.9 34.6 51.8





#37

1,2-Dichloropropane

Concen: 11.710 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

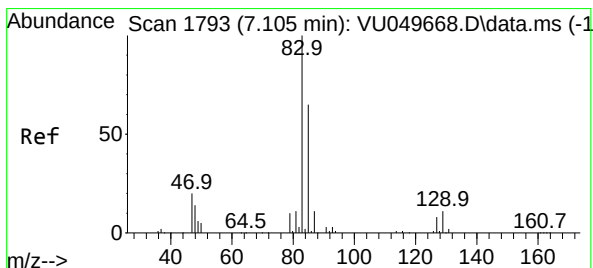
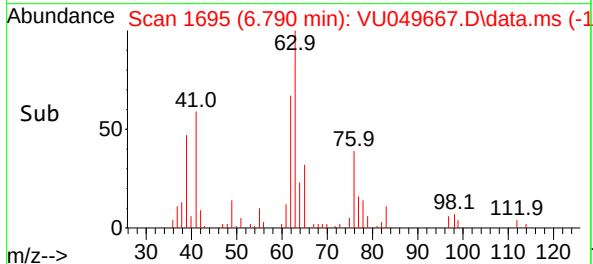
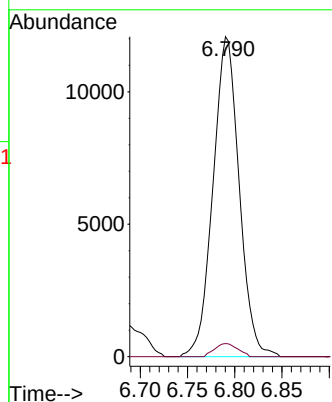
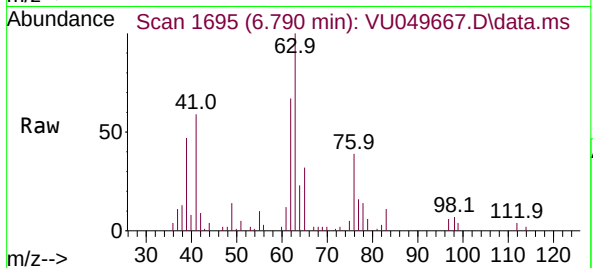
VSTD010002

Tgt Ion: 63 Resp: 23268

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#38

Bromodichloromethane

Concen: 10.888 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

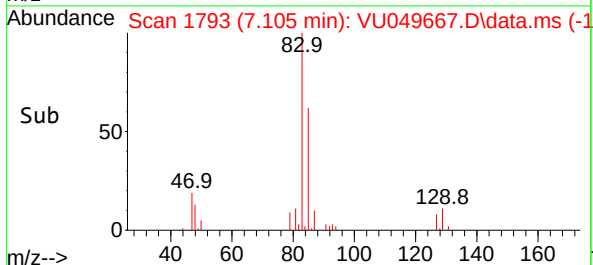
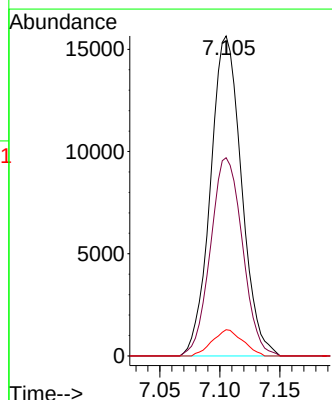
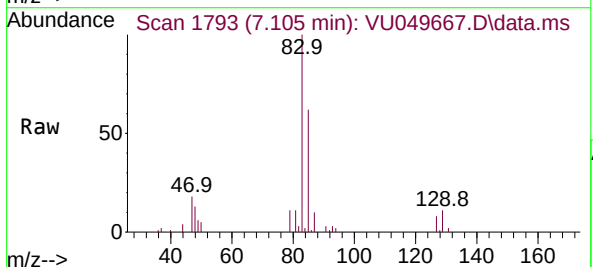
Tgt Ion: 83 Resp: 28166

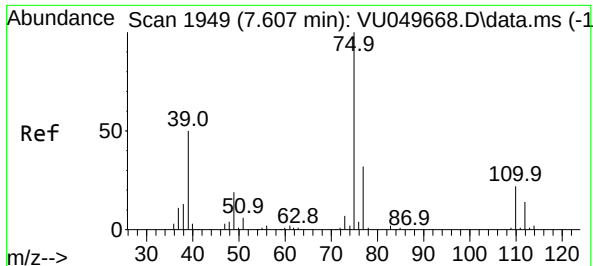
Ion Ratio Lower Upper

83 100

85 61.9 45.4 84.2

127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 9.888 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

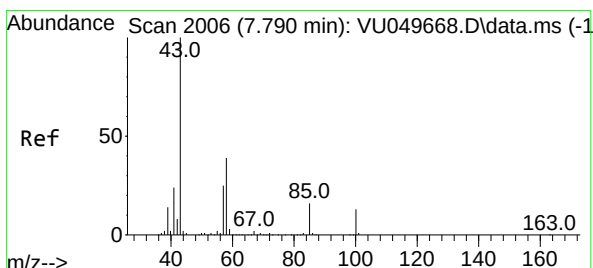
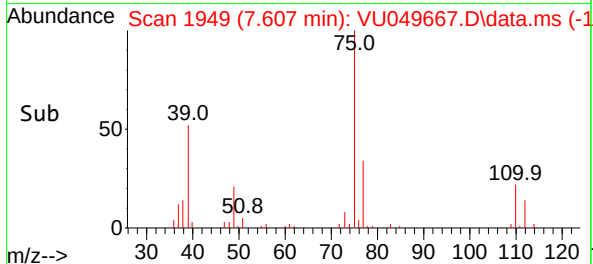
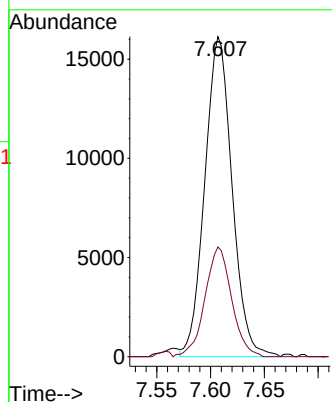
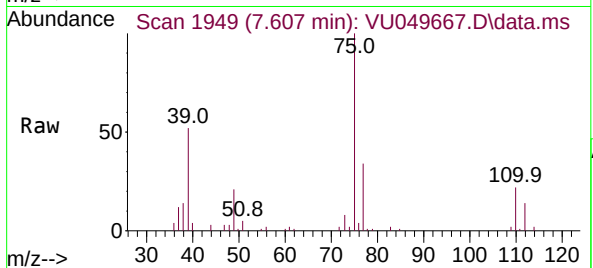
VSTD010002

Tgt Ion: 75 Resp: 28526

Ion Ratio Lower Upper

75 100

77 35.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 21.702 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

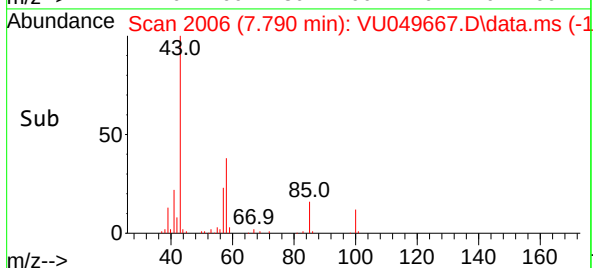
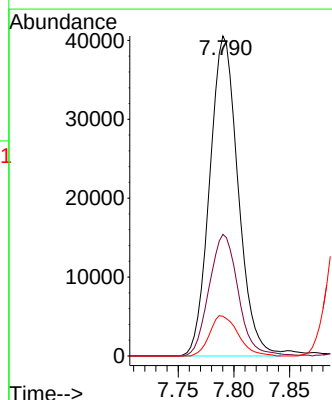
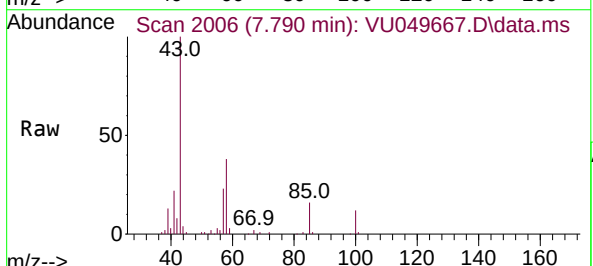
Tgt Ion: 43 Resp: 71909

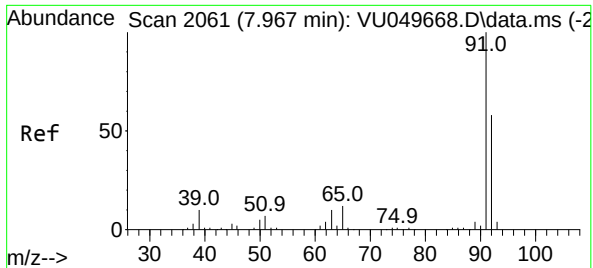
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.0

100 12.6 10.3 15.5

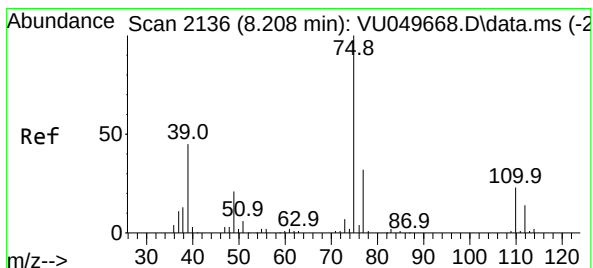
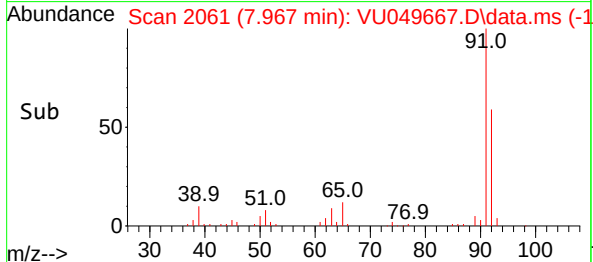
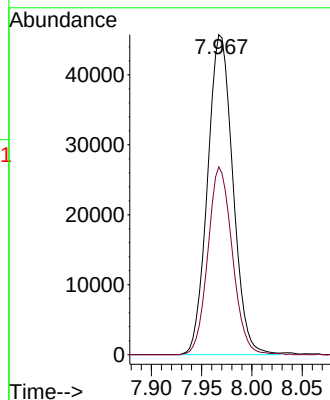
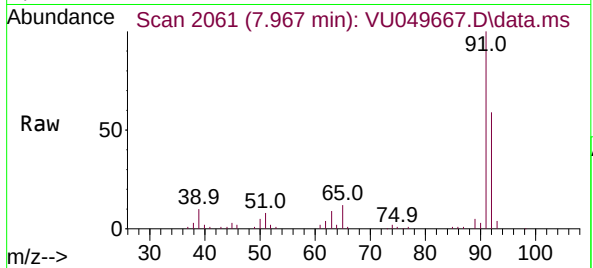




#42
Toluene
Concen: 11.046 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

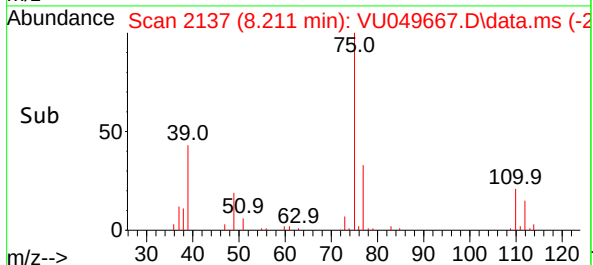
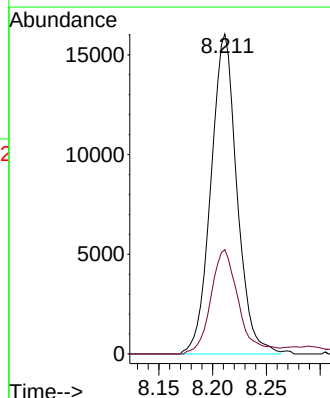
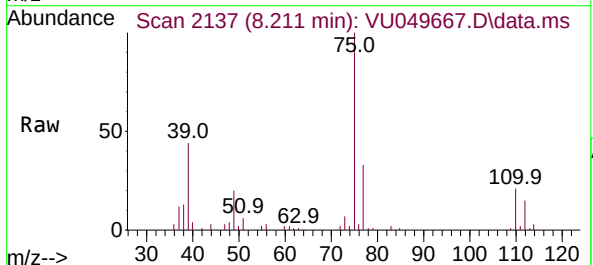
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

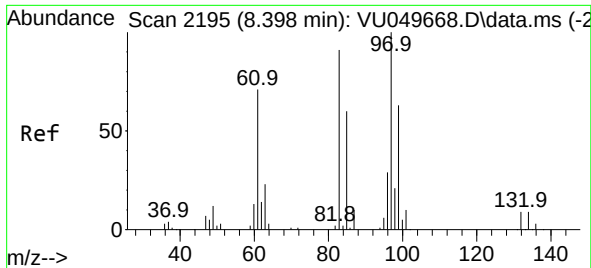
Tgt Ion: 91 Resp: 80264
Ion Ratio Lower Upper
91 100
92 58.7 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 9.635 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 75 Resp: 27090
Ion Ratio Lower Upper
75 100
77 32.6 22.5 41.9

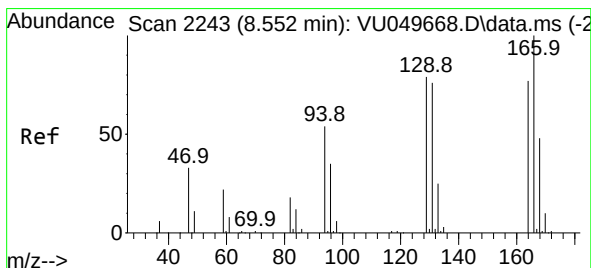
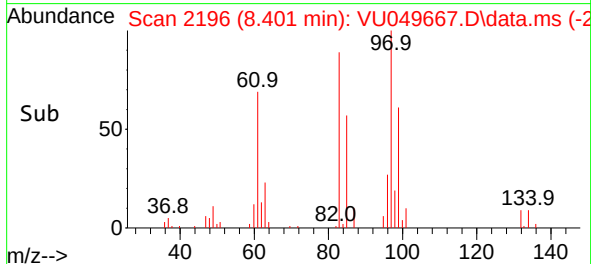
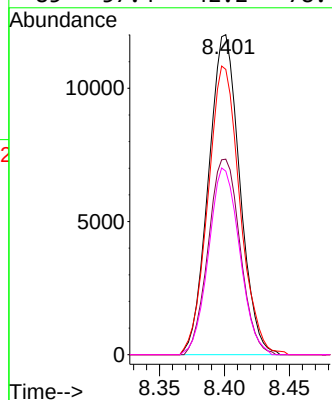
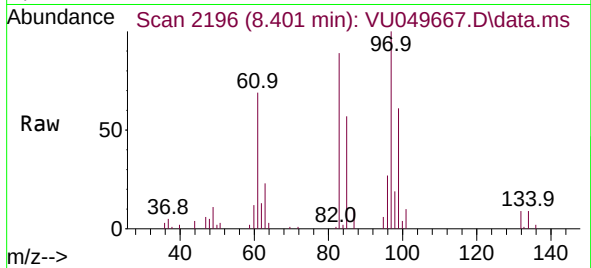




#45
1,1,2-Trichloroethane
Concen: 10.709 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

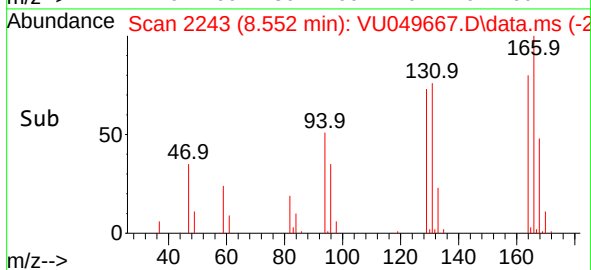
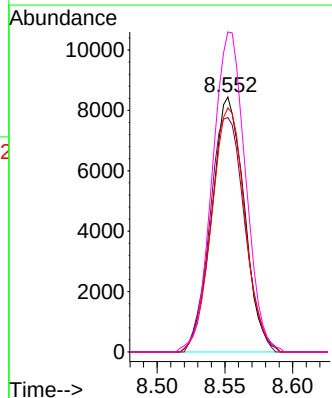
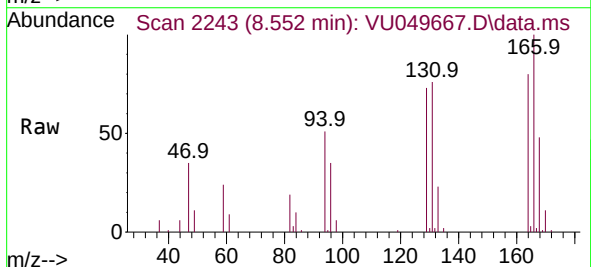
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

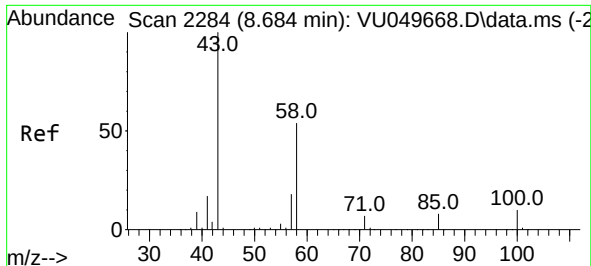
Tgt Ion: 97	Resp: 20144
Ion Ratio	Lower Upper
97 100	
99 61.1	44.3 82.3
83 89.1	64.0 118.8
85 57.4	42.2 78.4



#46
Tetrachloroethene
Concen: 10.445 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 164	Resp: 14090
Ion Ratio	Lower Upper
164 100	
129 92.0	72.0 133.8
131 95.7	69.0 128.1
166 125.5	91.1 169.3

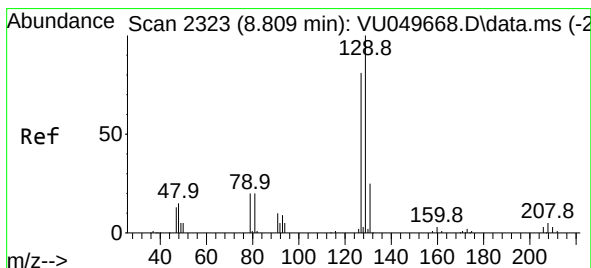
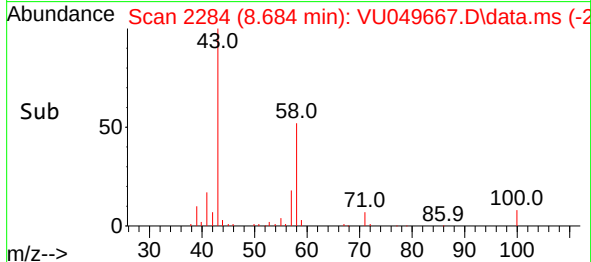
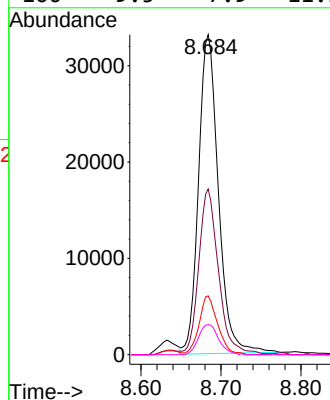
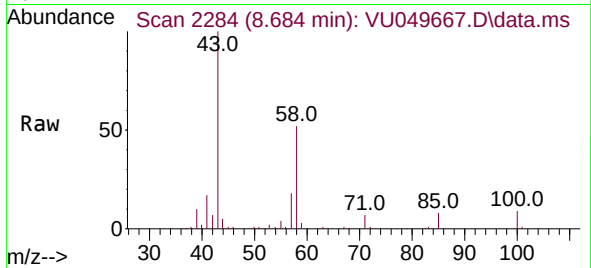




#48
2-Hexanone
Concen: 21.269 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

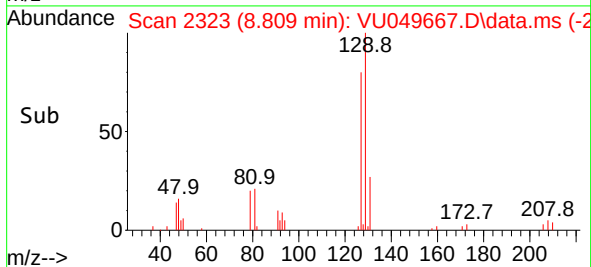
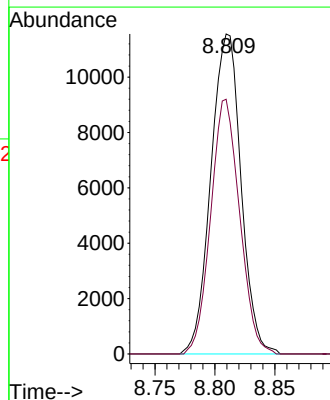
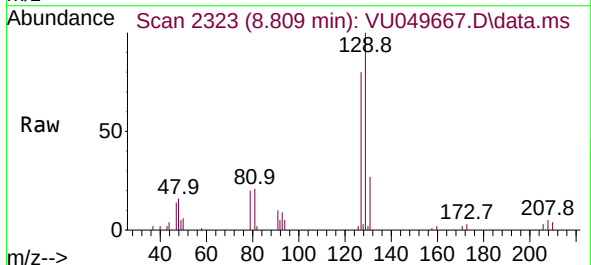
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

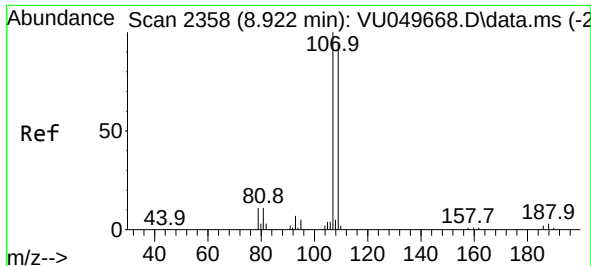
Tgt Ion:	43	Resp:	57264
Ion	Ratio	Lower	Upper
43	100		
58	51.6	42.6	64.0
57	17.3	15.0	22.6
100	9.5	7.9	11.9



#49
Dibromochloromethane
Concen: 9.849 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:	129	Resp:	20224
Ion	Ratio	Lower	Upper
129	100		
127	79.6	56.9	105.7

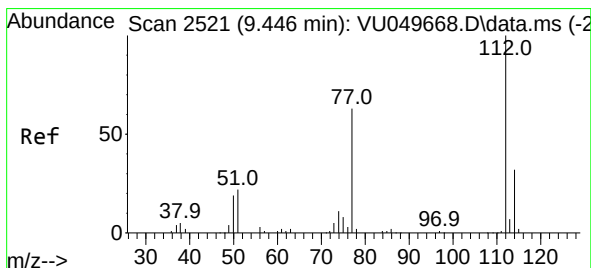
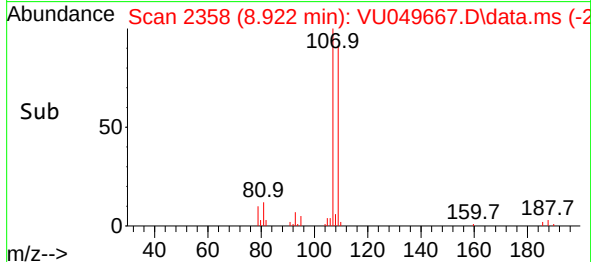
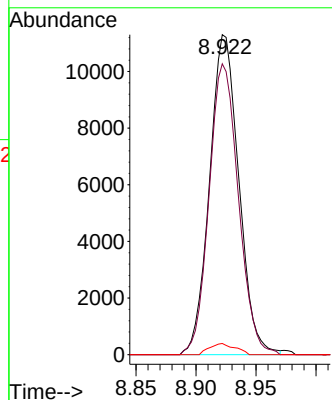
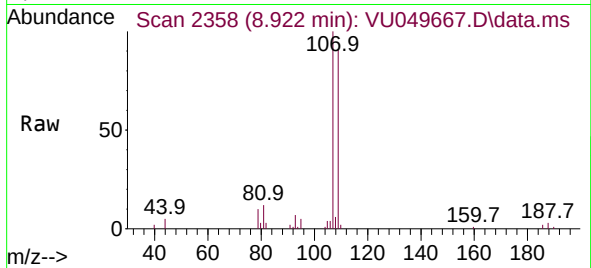




#50
1,2-Dibromoethane
Concen: 9.812 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

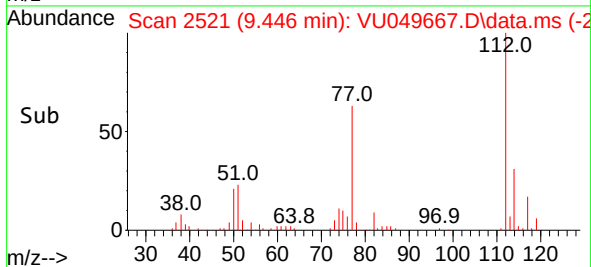
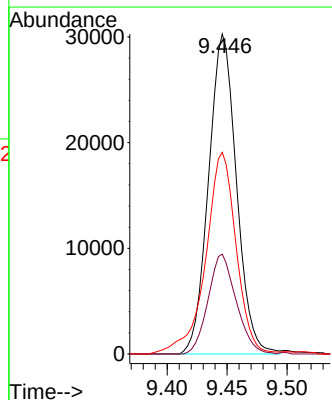
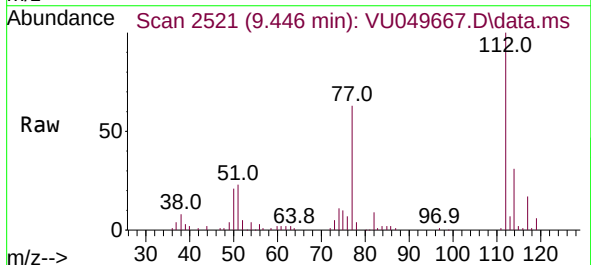
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

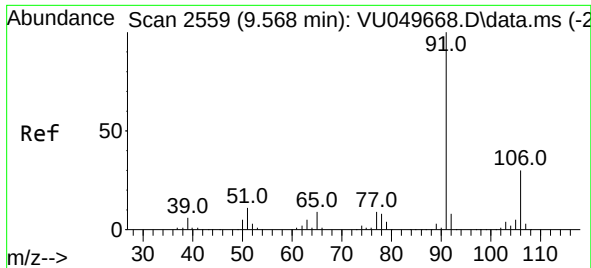
Tgt Ion:107 Resp: 19185
Ion Ratio Lower Upper
107 100
109 90.9 65.7 121.9
188 3.5 2.7 4.1



#51
Chlorobenzene
Concen: 10.254 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:112 Resp: 49003
Ion Ratio Lower Upper
112 100
114 31.2 22.1 41.1
77 63.0 51.2 76.8

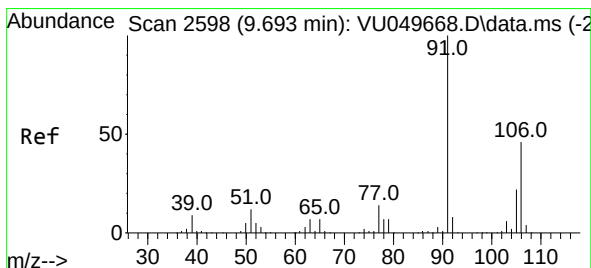
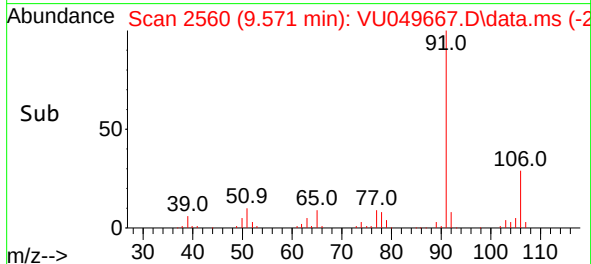
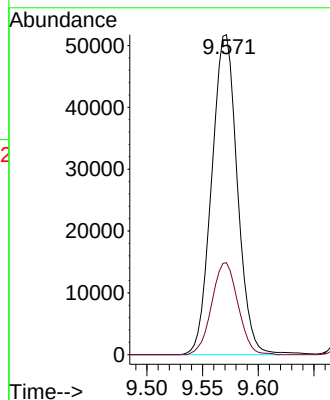
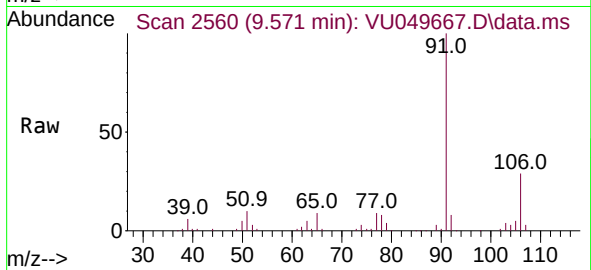




#52
Ethylbenzene
Concen: 10.583 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

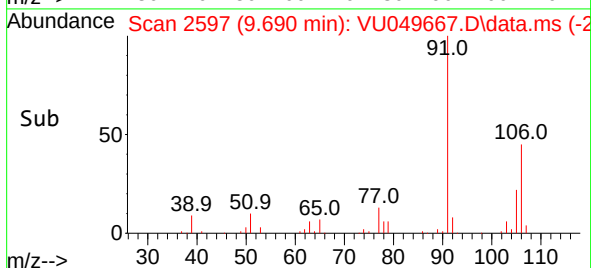
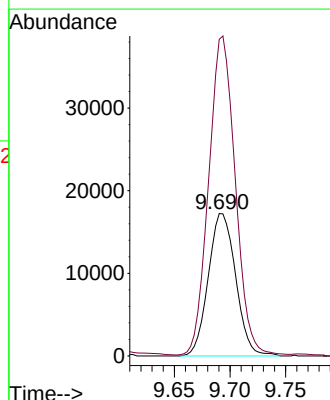
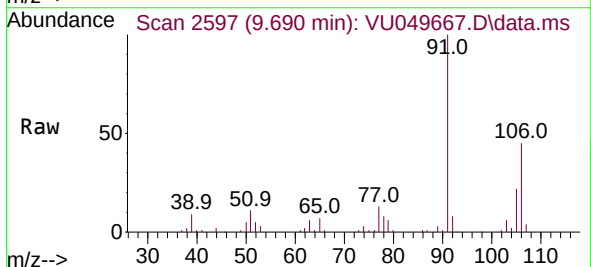
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

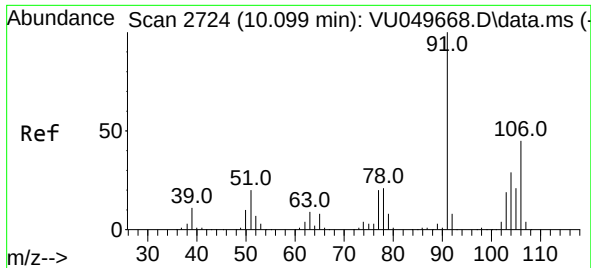
Tgt Ion: 91 Resp: 82899
Ion Ratio Lower Upper
91 100
106 28.7 21.0 39.0



#53
m,p-Xylene
Concen: 9.805 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion: 106 Resp: 29506
Ion Ratio Lower Upper
106 100
91 222.4 151.7 281.7

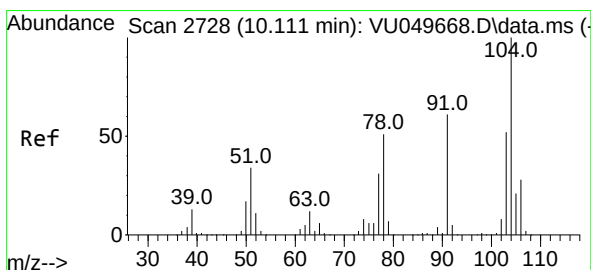
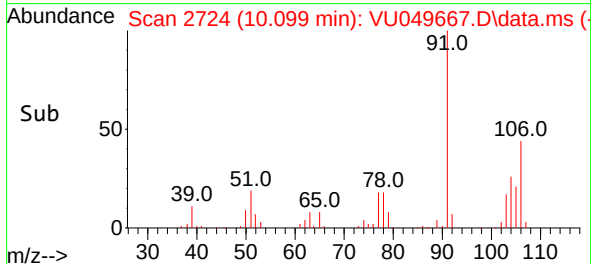
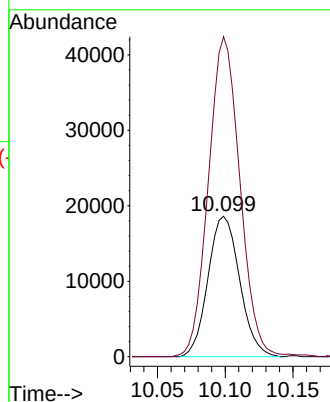
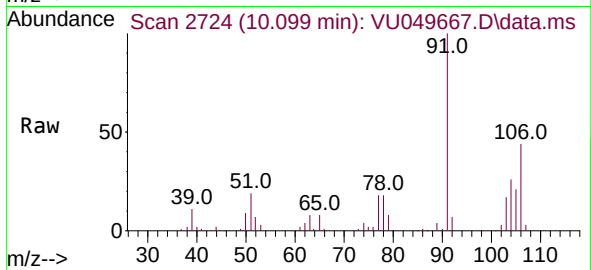




#54
o-Xylene
Concen: 9.914 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

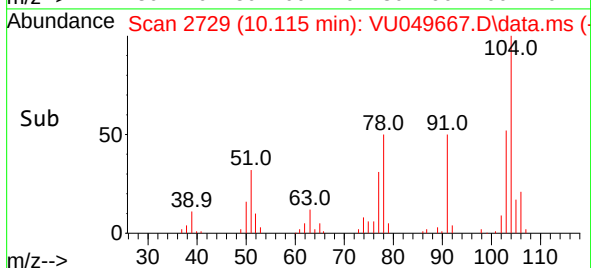
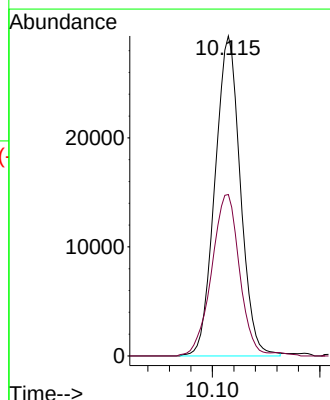
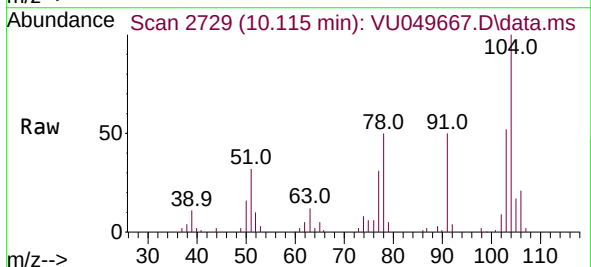
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

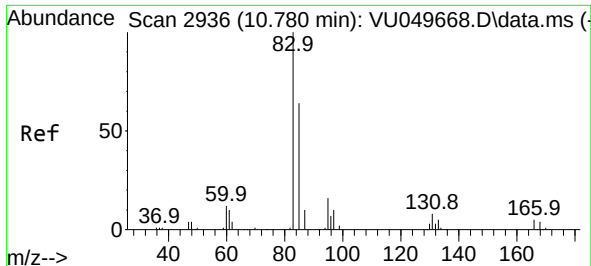
Tgt Ion:106 Resp: 30232
Ion Ratio Lower Upper
106 100
91 228.0 156.9 291.5



#55
Styrene
Concen: 9.476 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:104 Resp: 48162
Ion Ratio Lower Upper
104 100
78 50.4 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 10.286 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

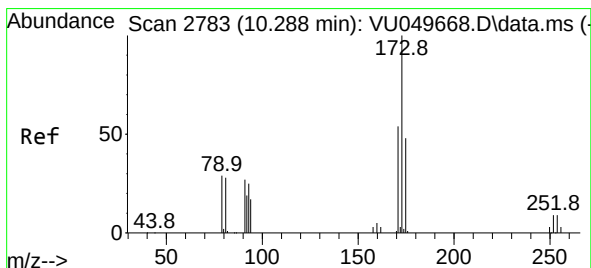
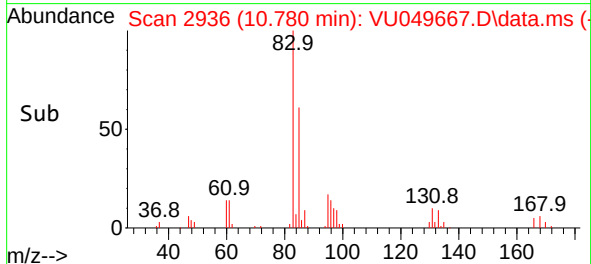
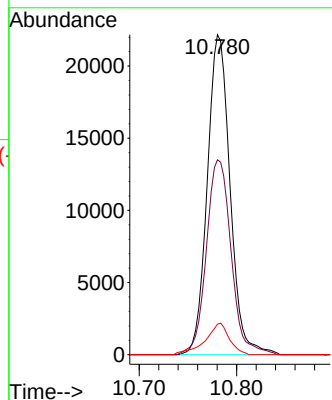
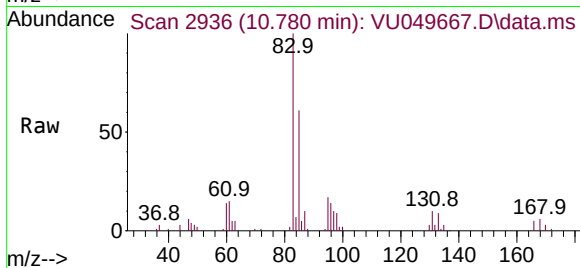
Tgt Ion: 83 Resp: 36102

Ion Ratio Lower Upper

83 100

85 60.9 45.0 83.6

131 12.6 7.0 10.6#



#59

Bromoform

Concen: 9.913 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

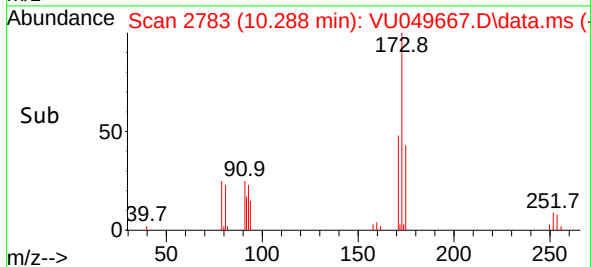
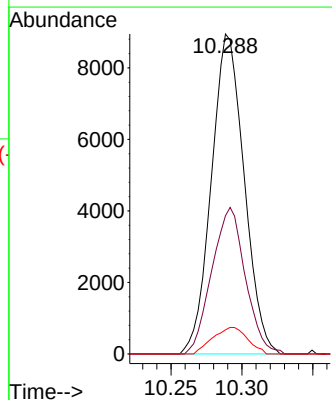
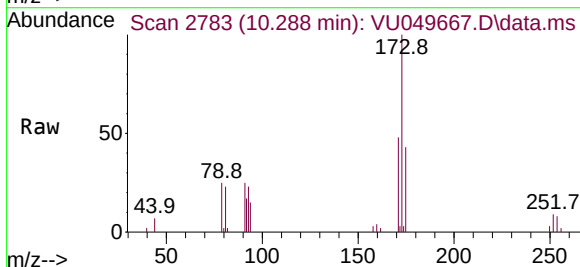
Tgt Ion:173 Resp: 14376

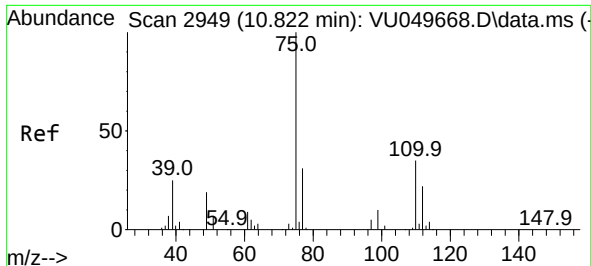
Ion Ratio Lower Upper

173 100

175 46.8 38.6 58.0

254 8.8 7.4 11.0

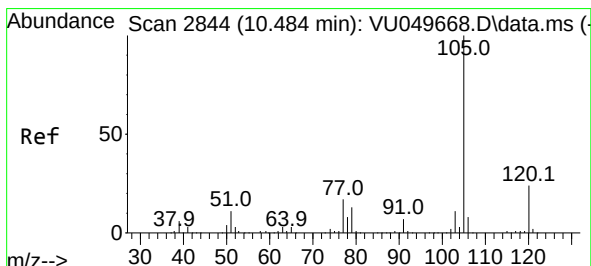
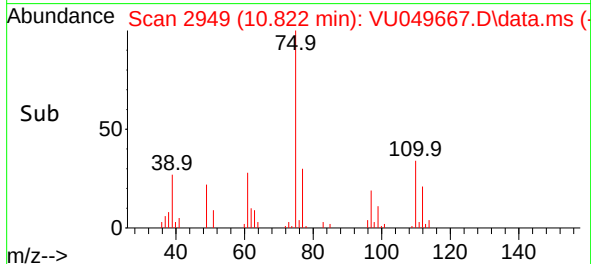
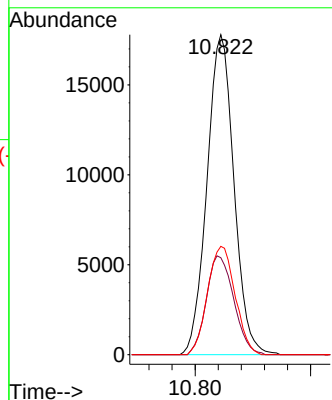
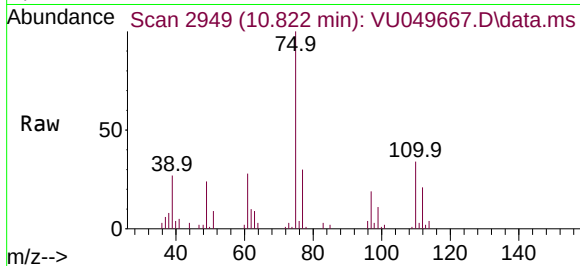




#60
1,2,3-Trichloropropane
Concen: 11.168 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

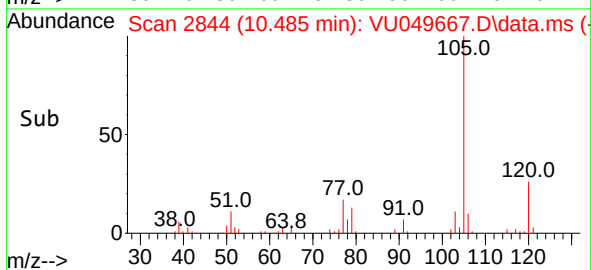
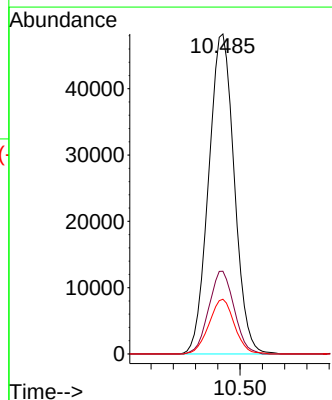
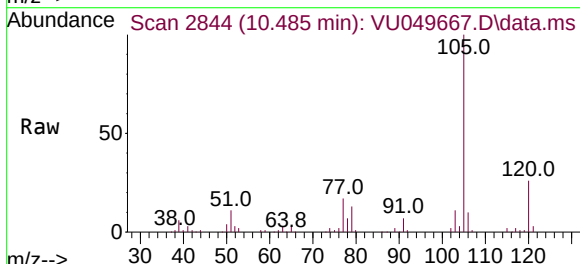
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

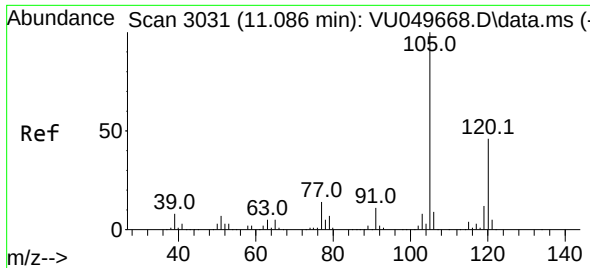
Tgt Ion:	75	Resp:	28841
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.5	38.3
110	34.6	28.9	43.3



#61
Isopropylbenzene
Concen: 11.131 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:	105	Resp:	77150
Ion Ratio	Lower	Upper	
105	100		
120	25.6	19.9	29.9
77	17.0	13.8	20.8

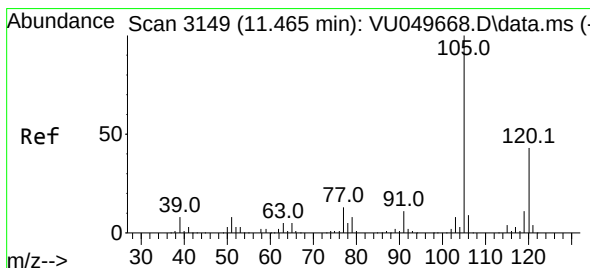
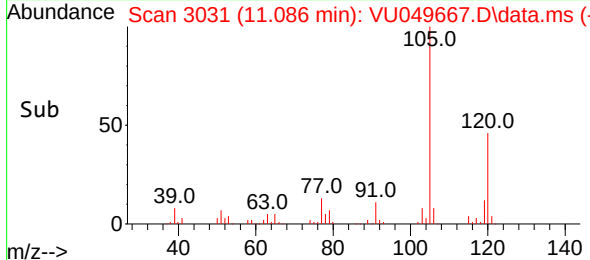
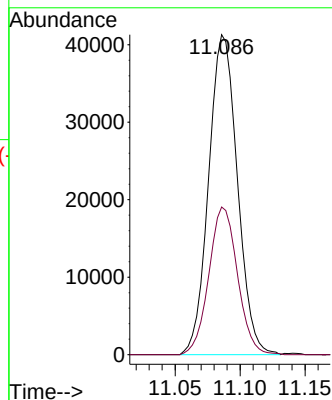
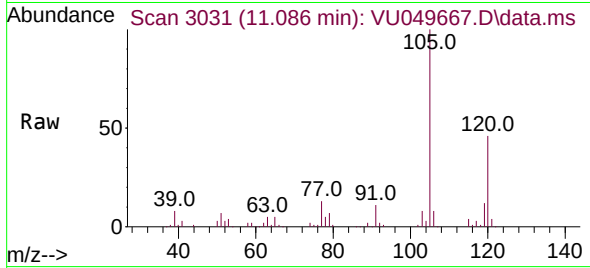




#62
 1,3,5-Trimethylbenzene
 Concen: 10.736 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

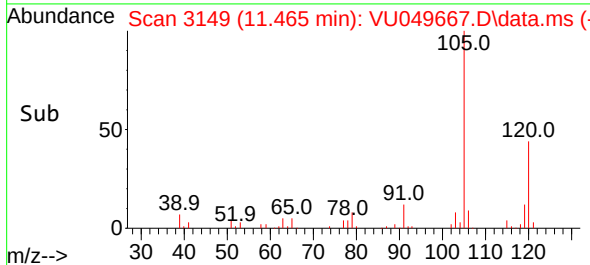
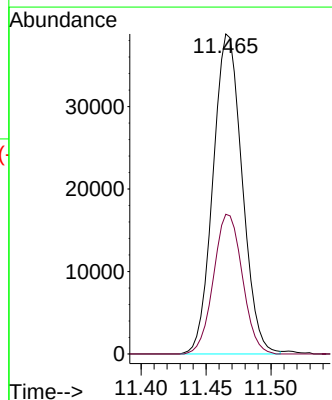
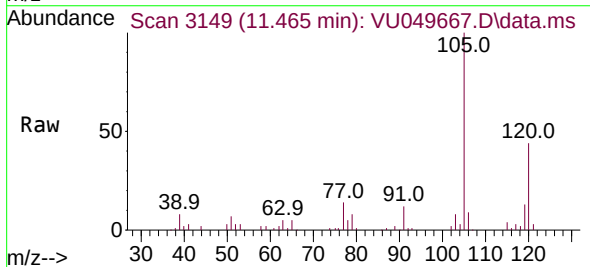
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

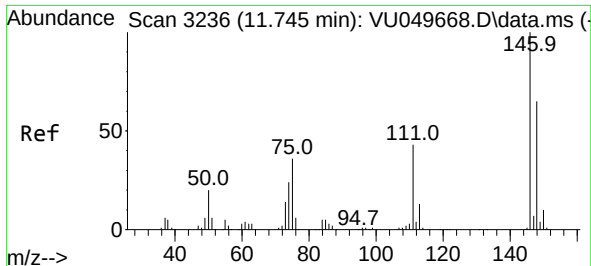
Tgt Ion:105 Resp: 63507
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 12.106 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU049667.D
 Acq: 11 Jul 2022 10:47

Tgt Ion:105 Resp: 60452
 Ion Ratio Lower Upper
 105 100
 120 43.2 33.9 50.9

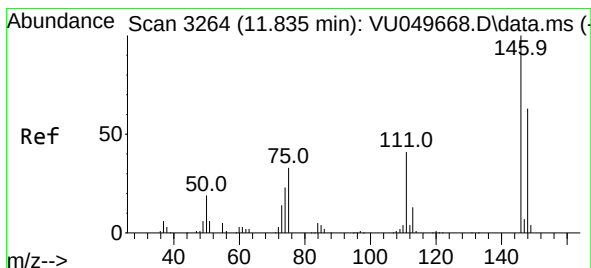
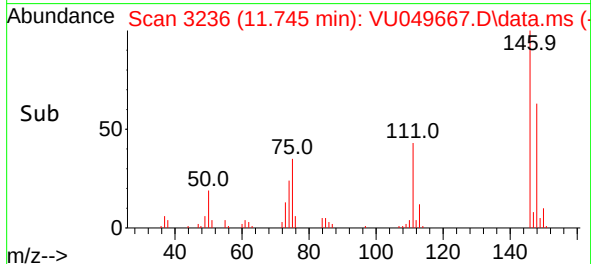
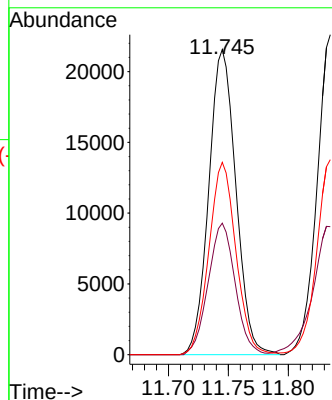
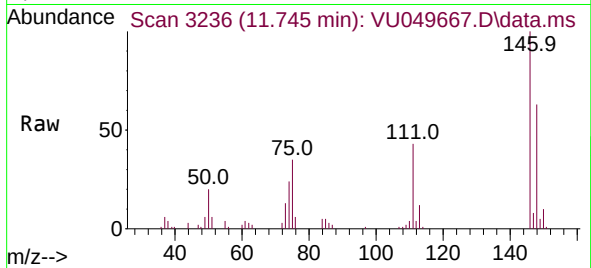




#64
1,3-Dichlorobenzene
Concen: 10.086 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

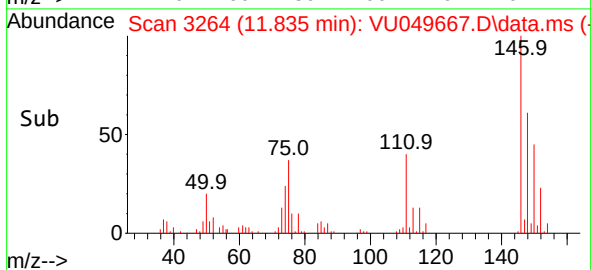
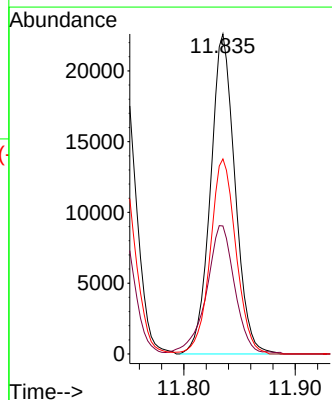
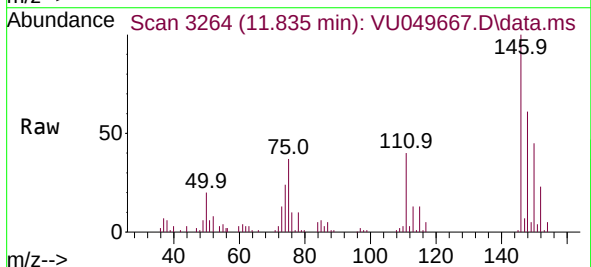
Instrument :
MSVOA_U
ClientSampleId :
VSTD010002

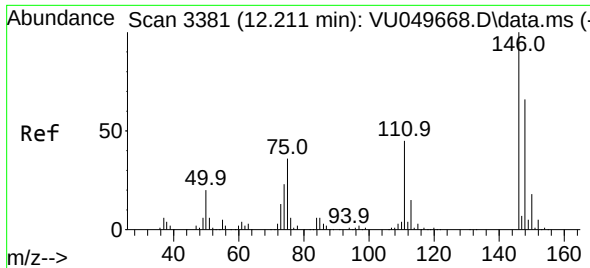
Tgt Ion:146 Resp: 33882
Ion Ratio Lower Upper
146 100
111 43.1 30.0 55.6
148 63.0 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 10.202 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049667.D
Acq: 11 Jul 2022 10:47

Tgt Ion:146 Resp: 34570
Ion Ratio Lower Upper
146 100
111 40.0 29.1 54.1
148 60.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 10.428 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

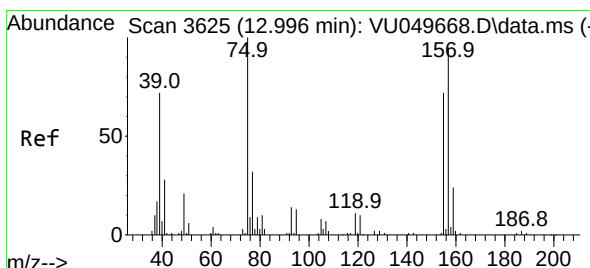
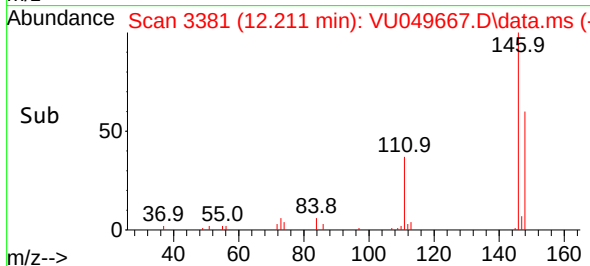
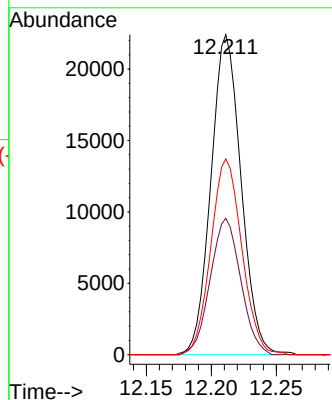
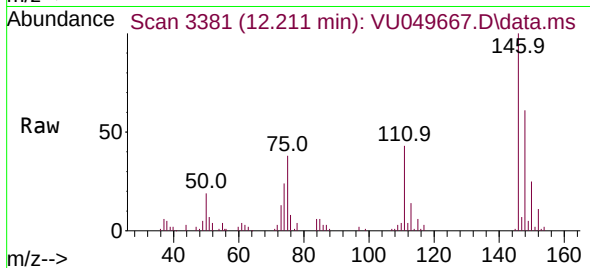
Tgt Ion:146 Resp: 36052

Ion Ratio Lower Upper

146 100

111 42.6 35.8 53.8

148 61.2 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 10.256 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

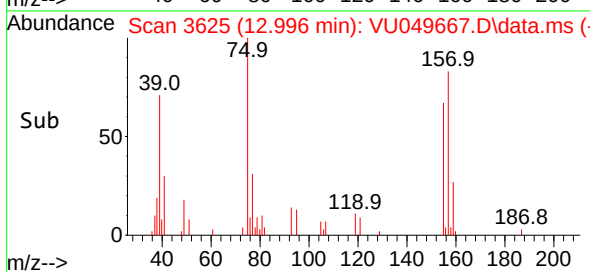
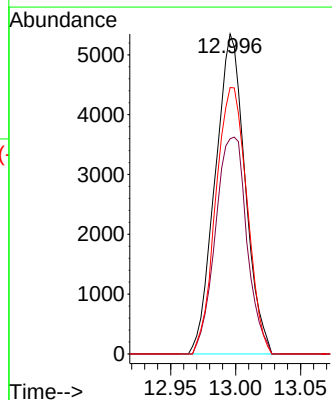
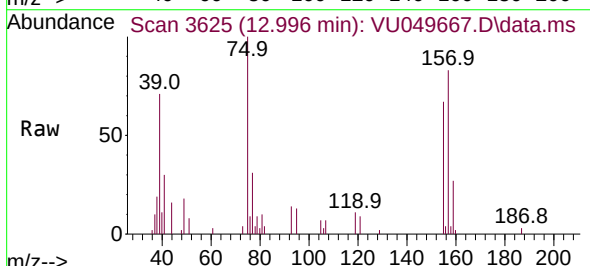
Tgt Ion: 75 Resp: 8542

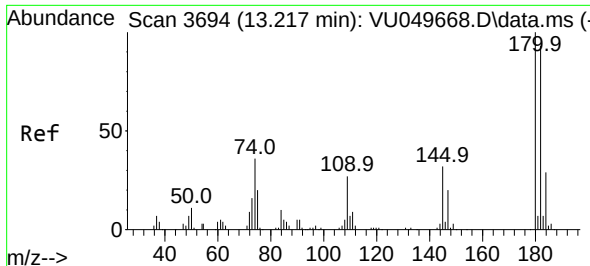
Ion Ratio Lower Upper

75 100

155 71.5 57.7 86.5

157 83.2 75.6 113.4





#69

1,3,5-Trichlorobenzene

Concen: 9.603 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

Tgt Ion:180 Resp: 22964

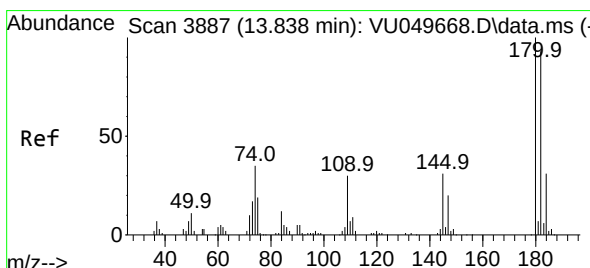
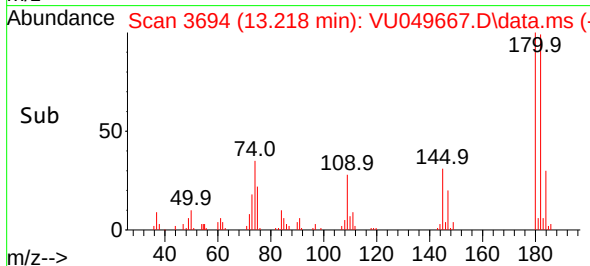
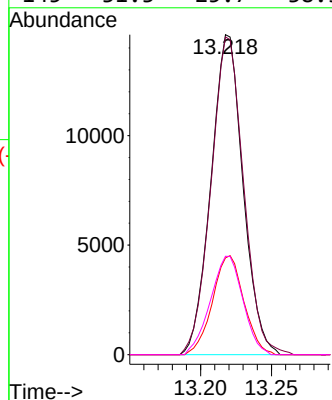
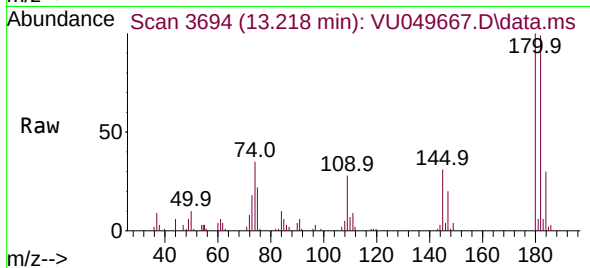
Ion Ratio Lower Upper

180 100

182 100.7 76.0 114.0

184 30.4 24.0 36.0

145 31.3 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 9.998 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

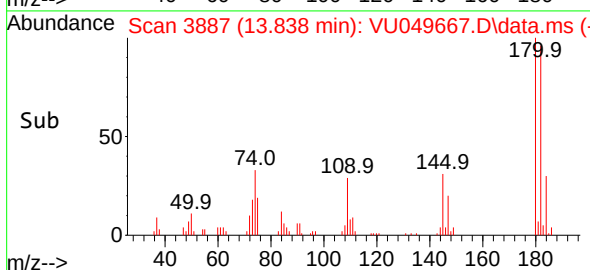
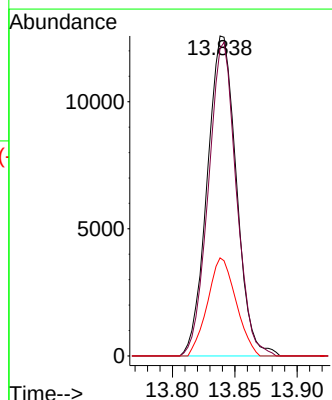
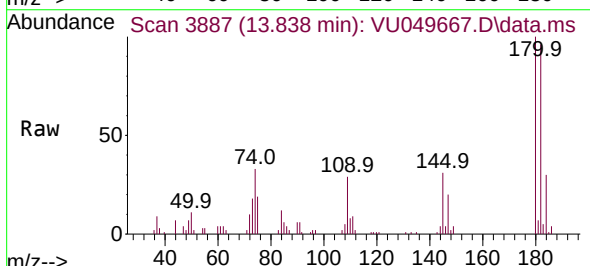
Tgt Ion:180 Resp: 20471

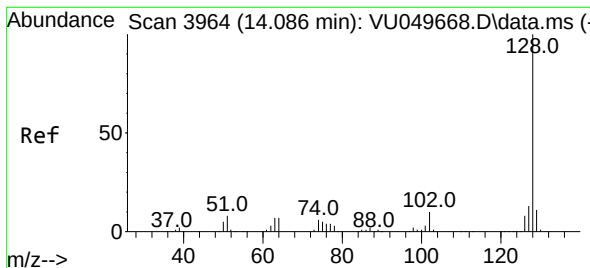
Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 29.9 24.7 37.1





#71

Naphthalene

Concen: 9.387 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD010002

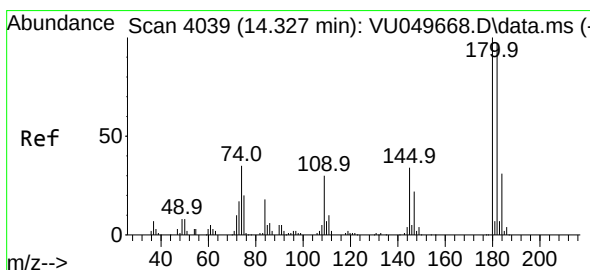
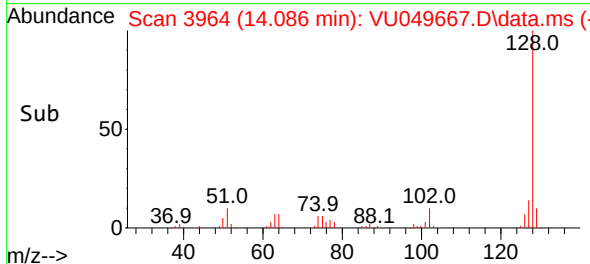
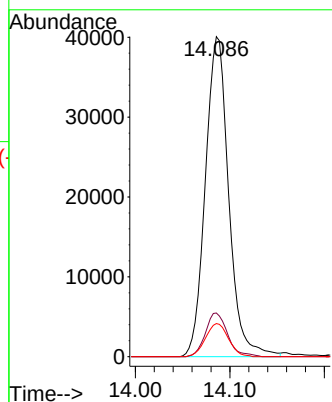
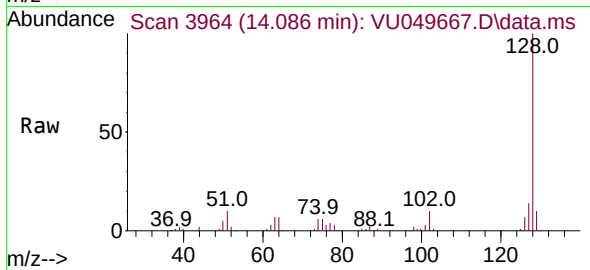
Tgt Ion:128 Resp: 68818

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 9.859 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU049667.D

Acq: 11 Jul 2022 10:47

Tgt Ion:180 Resp: 21318

Ion Ratio Lower Upper

180 100

182 97.2 76.6 115.0

145 32.2 27.1 40.7

