

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049666.D
 Acq On : 11 Jul 2022 10:24
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005001

Quant Time: Jul 12 02:10:54 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	6.250	114	233901	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	224774	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	107675	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	10333	6.677	ug/L	0.00
7) Chloroethane-d5	1.912	69	7654	6.758	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	18146	6.316	ug/L	0.00
21) 2-Butanone-d5	4.633	46	16026	10.048	ug/L	0.01
24) Chloroform-d	5.063	84	17680	5.614	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	12891	6.297	ug/L	0.00
32) Benzene-d6	5.726	84	35028	6.040	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	11649	6.002	ug/L	0.00
41) Toluene-d8	7.899	98	29762	5.815	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	4274	4.734	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	8759	8.856	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	16165	5.139	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	10256	5.402	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	15953	7.194	ug/L	96
3) Chloromethane	1.523	50	17189	7.232	ug/L	100
5) Vinyl chloride	1.604	62	15683	7.083	ug/L	100
6) Bromomethane	1.855	94	7717	6.509	ug/L	97
8) Chloroethane	1.932	64	8587	6.970	ug/L	99
9) Trichlorofluoromethane	2.137	101	19280	6.368	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	10107	5.957	ug/L	98
12) 1,1-Dichloroethene	2.581	96	9319	6.243	ug/L	96
13) Acetone	2.629	43	23296	17.659	ug/L	99
14) Carbon disulfide	2.793	76	32694	8.040	ug/L	98
15) Methyl Acetate	2.951	43	13242	5.320	ug/L	99
16) Methylene chloride	3.047	84	11592	5.990	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	10325	6.318	ug/L	91
18) Methyl tert-butyl Ether	3.366	73	32017	5.328	ug/L	99
19) 1,1-Dichloroethane	3.871	63	20341	5.790	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	11176	5.700	ug/L	96
22) 2-Butanone	4.710	43	24818	12.722	ug/L	98
23) Bromochloromethane	4.980	128	5262	5.147	ug/L	95
25) Chloroform	5.089	83	20602	5.690	ug/L	100
27) 1,2-Dichloroethane	5.797	62	17875	5.992	ug/L	96
29) Cyclohexane	5.391	56	17589	6.435	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	17212	5.419	ug/L	98
31) Carbon tetrachloride	5.526	117	14384	5.239	ug/L	98
33) Benzene	5.777	78	44432	5.895	ug/L	100
34) Trichloroethene	6.546	95	10998	5.837	ug/L	91
35) Methylcyclohexane	6.764	83	16472	6.079	ug/L	98
37) 1,2-Dichloropropane	6.793	63	12347	5.816	ug/L	# 97
38) Bromodichloromethane	7.108	83	15609	5.648	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	14803	4.803	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	37109	10.482	ug/L	98
42) Toluene	7.970	91	43488	5.602	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	14745	4.909	ug/L	100

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005001

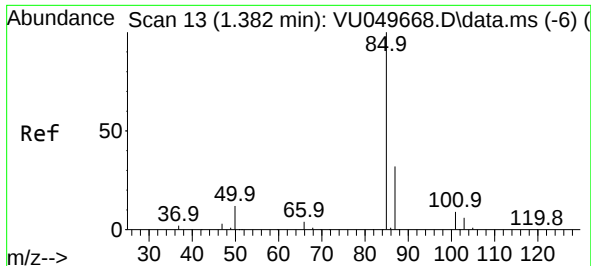
Quant Time: Jul 12 02:10:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:09:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	11092	5.519	ug/L	92
46) Tetrachloroethene	8.552	164	7417	5.146	ug/L	93
48) 2-Hexanone	8.687	43	30412	10.572	ug/L	97
49) Dibromochloromethane	8.812	129	10629	4.845	ug/L	94
50) 1,2-Dibromoethane	8.925	107	10761	5.151	ug/L #	95
51) Chlorobenzene	9.449	112	27041	5.296	ug/L	98
52) Ethylbenzene	9.571	91	44475	5.314	ug/L	97
53) m,p-Xylene	9.693	106	16493	5.130	ug/L	92
54) o-Xylene	10.099	106	16542	5.077	ug/L	98
55) Styrene	10.115	104	25571	4.709	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	18026	4.807	ug/L #	95
59) Bromoform	10.291	173	7787	4.996	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	15807	5.695	ug/L	97
61) Isopropylbenzene	10.484	105	41451	5.564	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	32913	5.177	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	32612	6.076	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	19031	5.271	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	18984	5.212	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	19547	5.260	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	4040	4.513	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	12519	4.871	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	11313	5.141	ug/L	95
71) Naphthalene	14.089	128	36347	4.613	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	11494	4.946	ug/L	98

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

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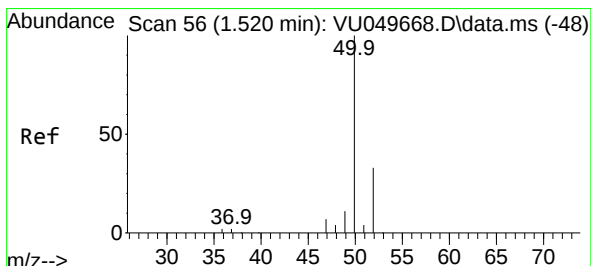
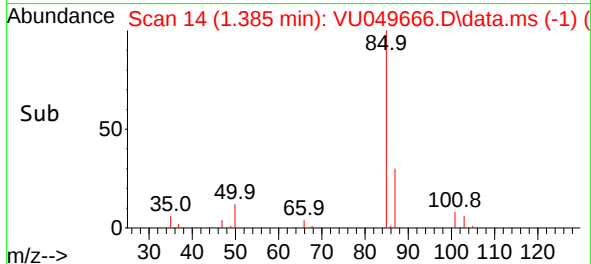
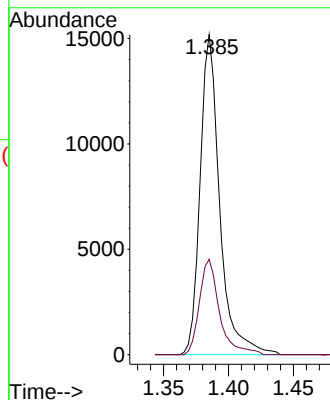
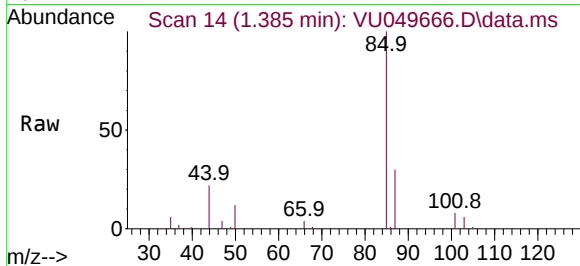




#2
Dichlorodifluoromethane
Concen: 7.194 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

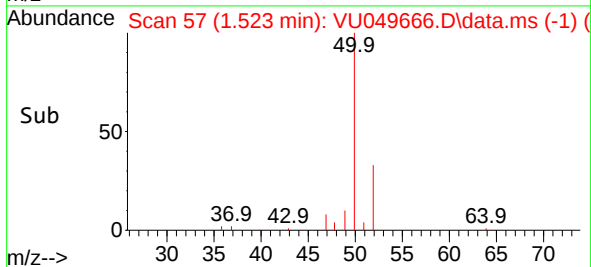
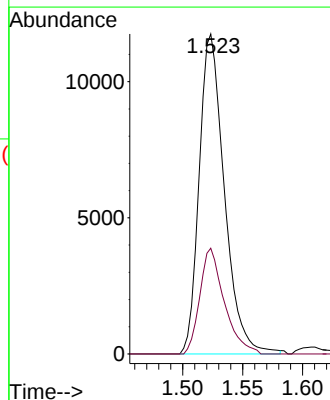
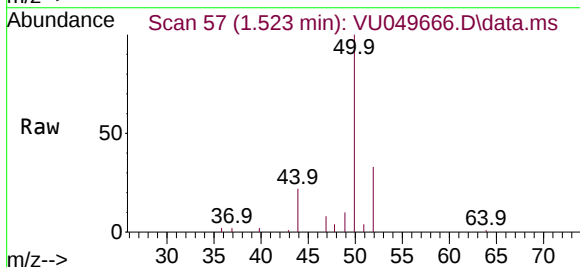
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

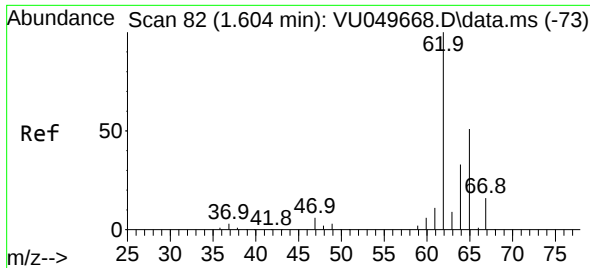
Tgt Ion: 85 Resp: 15953
Ion Ratio Lower Upper
85 100
87 30.6 26.3 39.5



#3
Chloromethane
Concen: 7.232 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion: 50 Resp: 17189
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.0

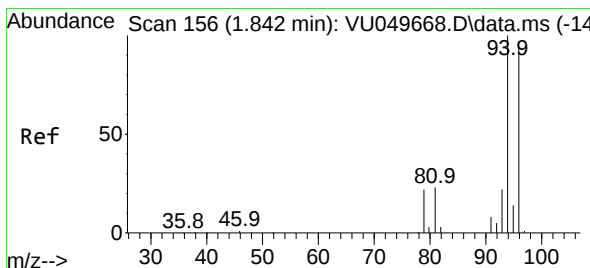
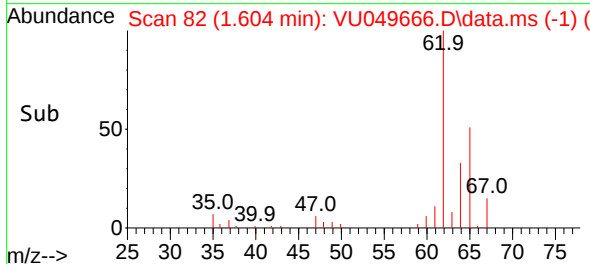
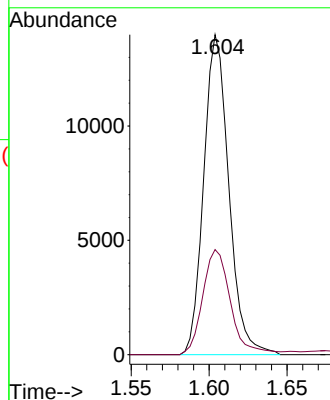
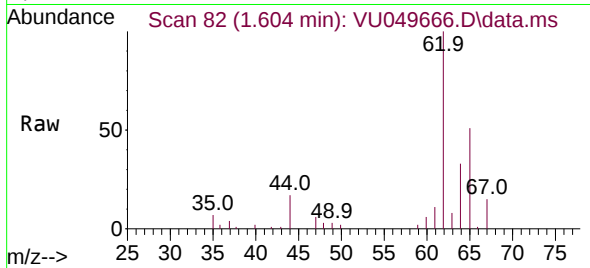




#5
 Vinyl chloride
 Concen: 7.083 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049666.D
 Acq: 11 Jul 2022 10:24

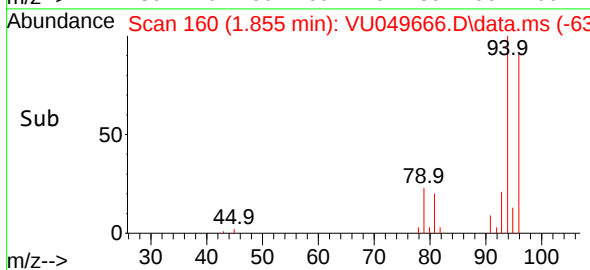
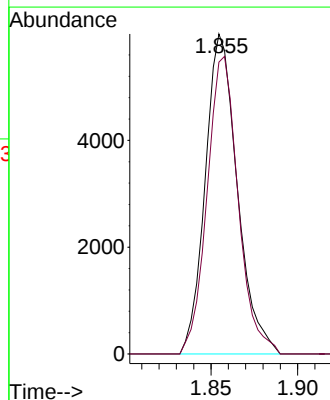
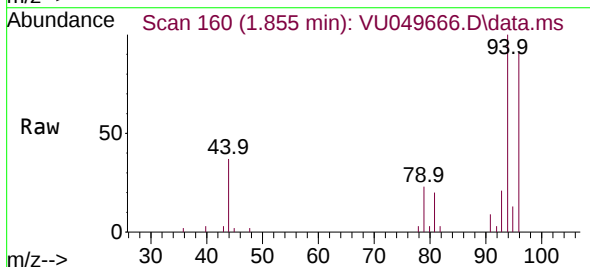
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 ClientSampleId :
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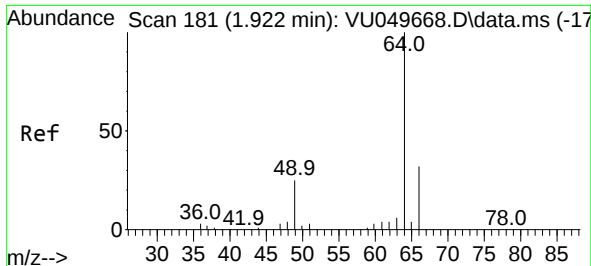
Tgt Ion: 62 Resp: 15683
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.0 42.6



#6
 Bromomethane
 Concen: 6.509 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.013 min
 Lab File: VU049666.D
 Acq: 11 Jul 2022 10:24

Tgt Ion: 94 Resp: 7717
 Ion Ratio Lower Upper
 94 100
 96 91.2 66.1 122.7





#8

Chloroethane

Concen: 6.970 ug/L

RT: 1.932 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

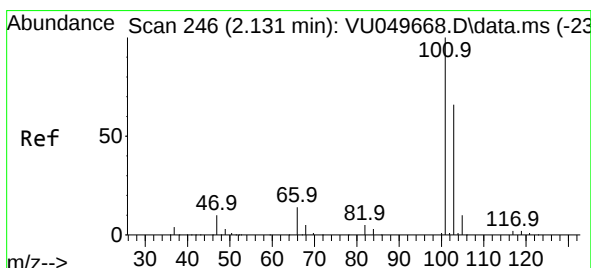
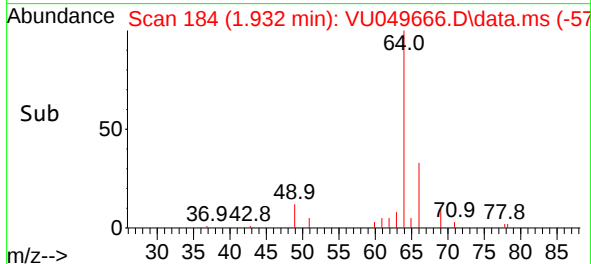
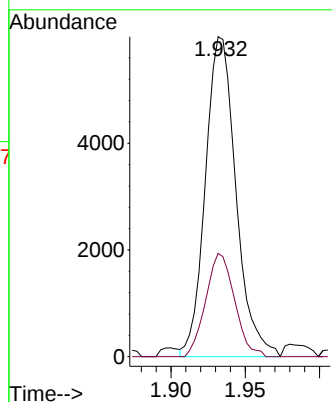
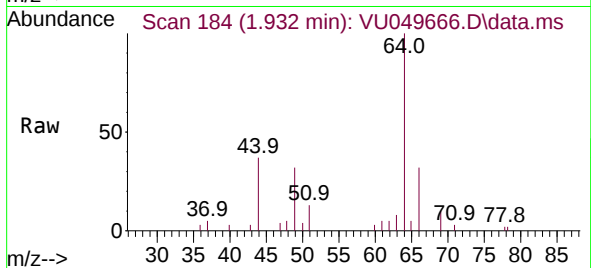
VSTD005001

Tgt Ion: 64 Resp: 8587

Ion Ratio Lower Upper

64 100

66 32.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 6.368 ug/L

RT: 2.137 min Scan# 248

Delta R.T. 0.006 min

Lab File: VU049666.D

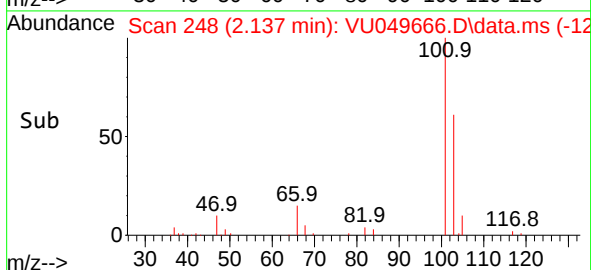
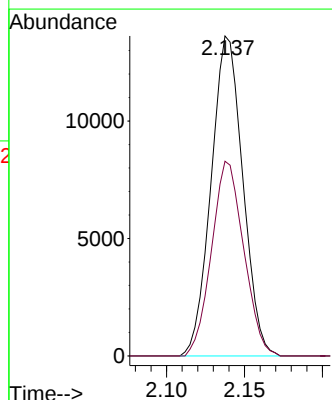
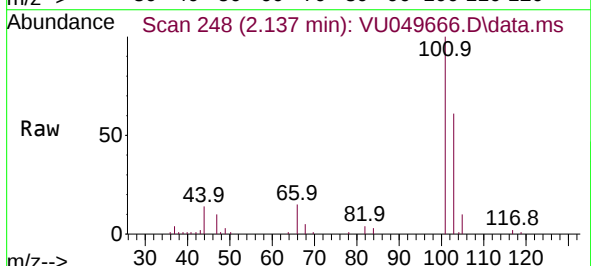
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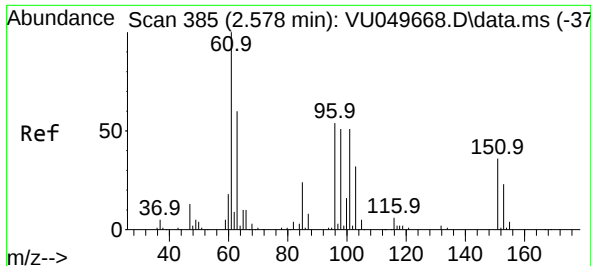
Tgt Ion: 101 Resp: 19280

Ion Ratio Lower Upper

101 100

103 61.7 52.2 78.4





#10

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

Concen: 5.957 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

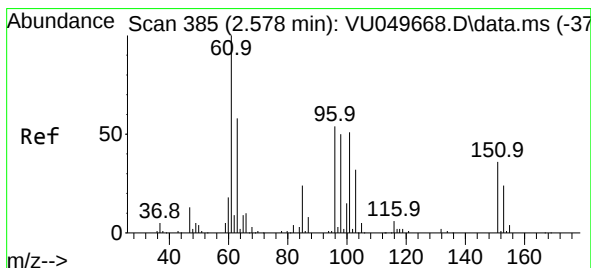
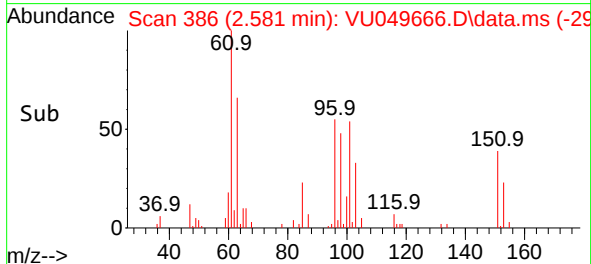
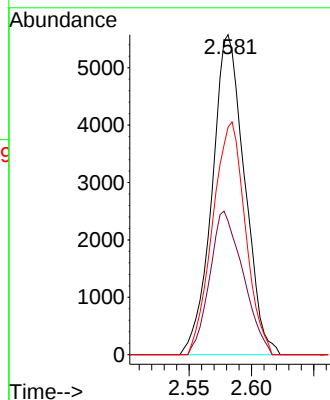
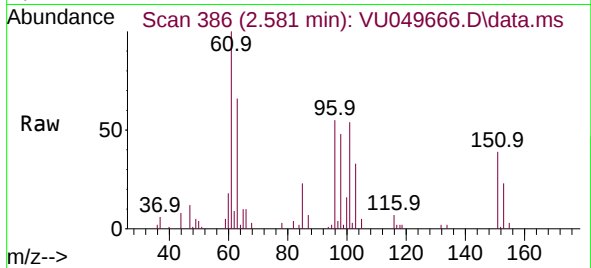
Tgt Ion:101 Resp: 10107

Ion Ratio Lower Upper

101 100

85 45.9 37.3 55.9

151 73.3 56.9 85.3



#12

1,1-Dichloroethene

Concen: 6.243 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

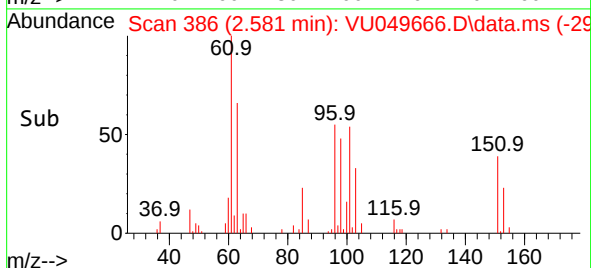
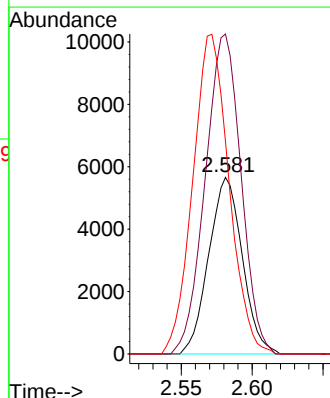
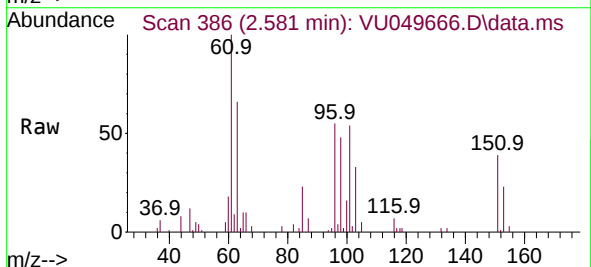
Tgt Ion: 96 Resp: 9319

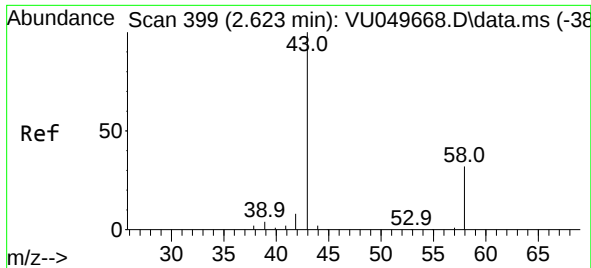
Ion Ratio Lower Upper

96 100

61 181.1 129.6 240.6

63 120.3 79.0 146.6





#13

Acetone

Concen: 17.659 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

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ClientSampleId :

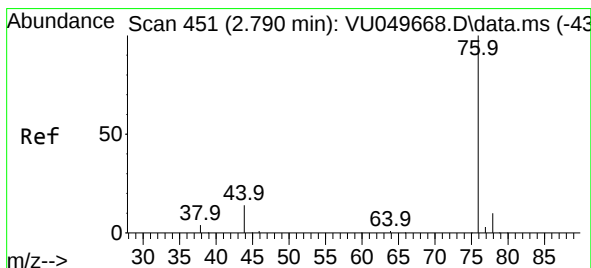
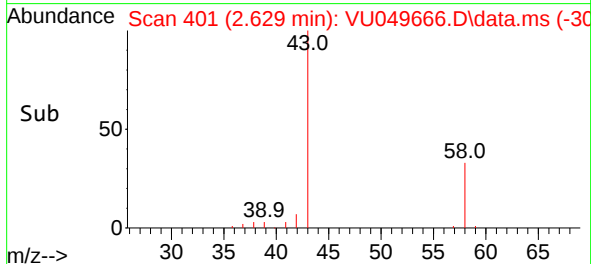
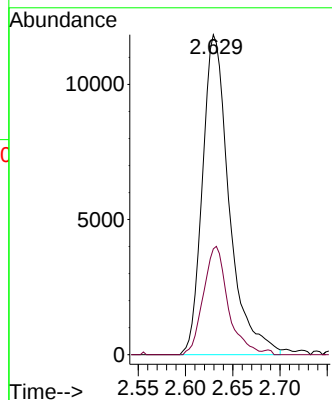
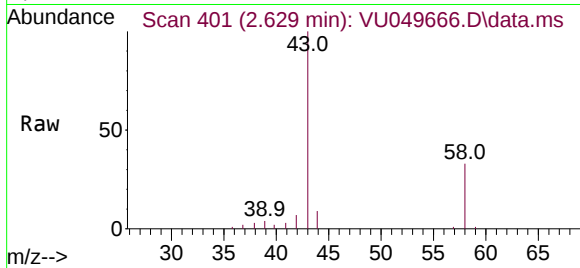
VSTD005001

Tgt Ion: 43 Resp: 23296

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.4



#14

Carbon disulfide

Concen: 8.040 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU049666.D

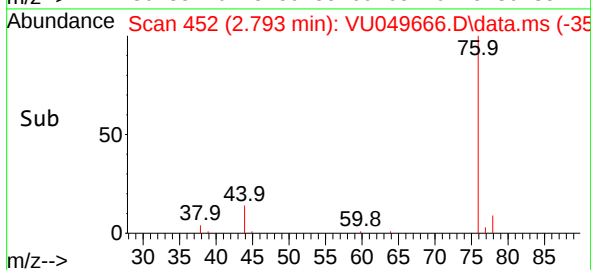
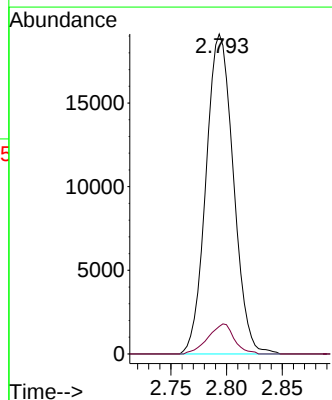
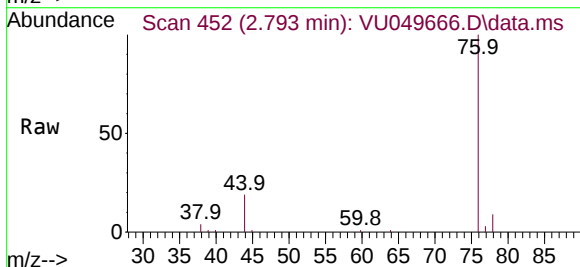
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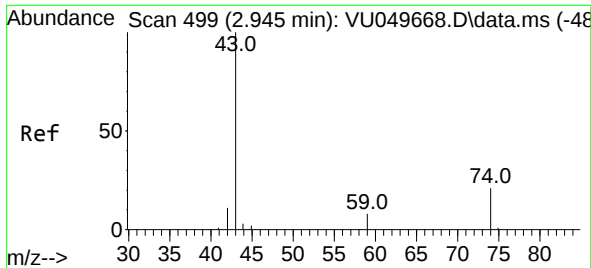
Tgt Ion: 76 Resp: 32694

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4

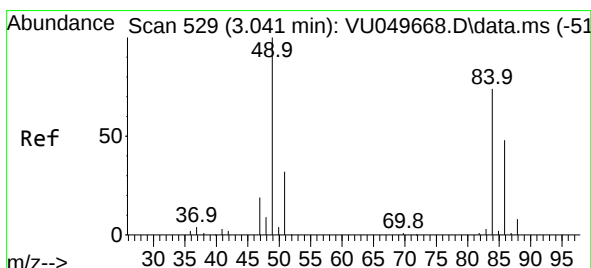
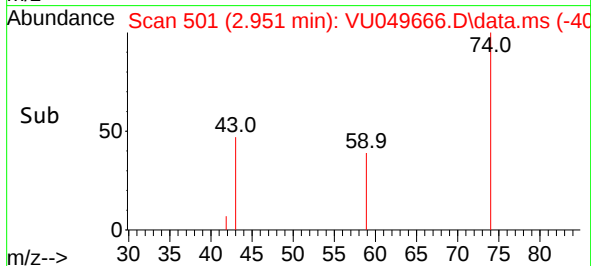
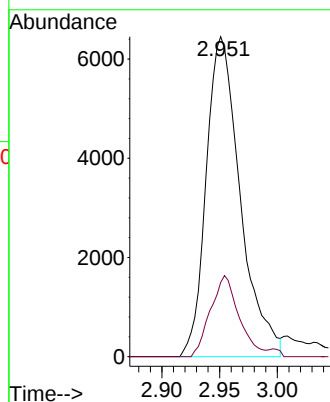
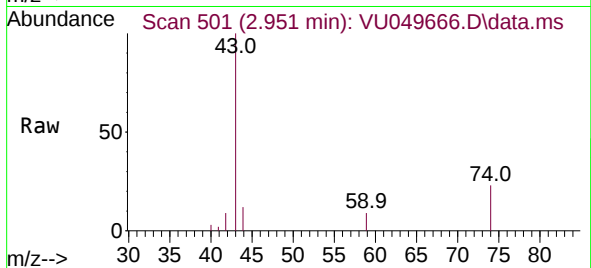




#15
Methyl Acetate
Concen: 5.320 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

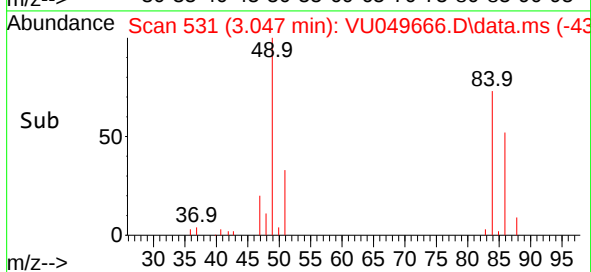
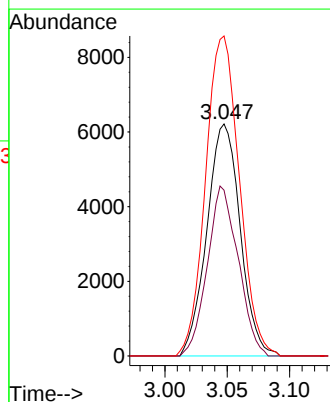
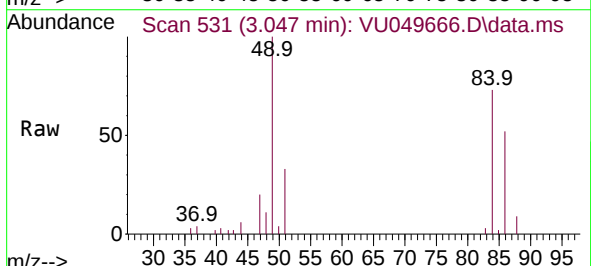
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MSVOA_U
ClientSampleId :
VSTD005001

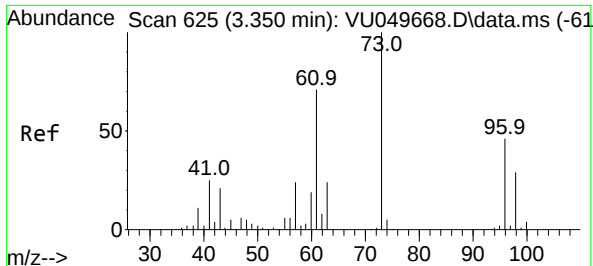
Tgt Ion: 43 Resp: 13242
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.0



#16
Methylene chloride
Concen: 5.990 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion: 84 Resp: 11592
Ion Ratio Lower Upper
84 100
86 71.4 45.6 84.6
49 137.9 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 6.318 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

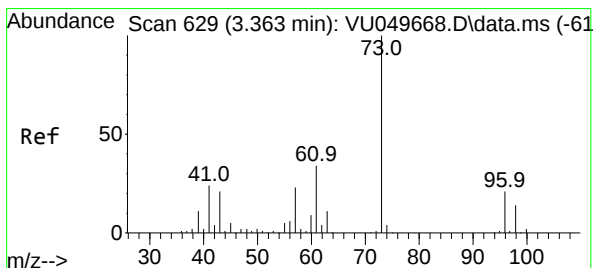
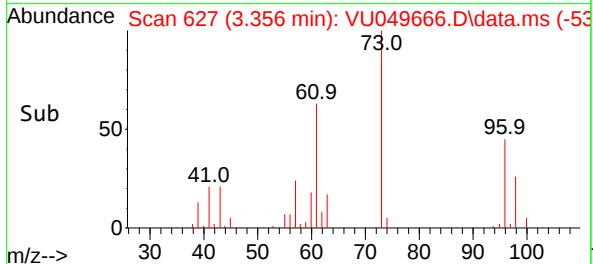
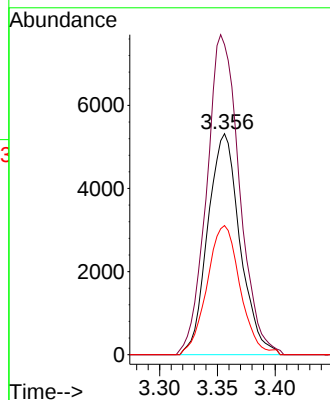
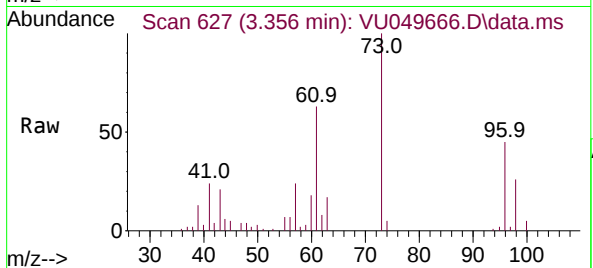
Tgt Ion: 96 Resp: 10325

Ion Ratio Lower Upper

96 100

61 140.3 107.6 199.8

98 58.4 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 5.328 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

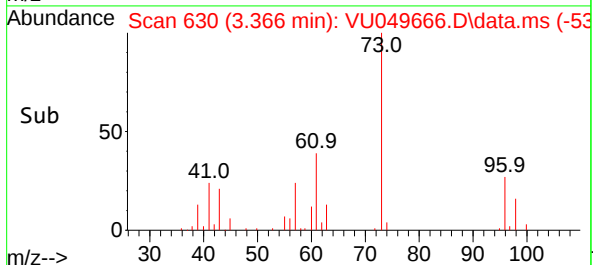
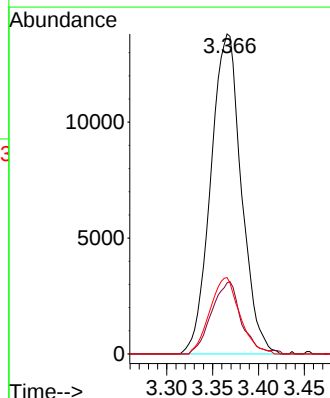
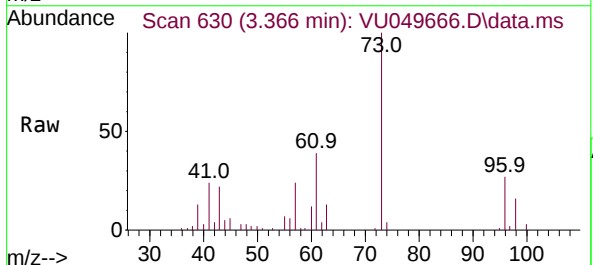
Tgt Ion: 73 Resp: 32017

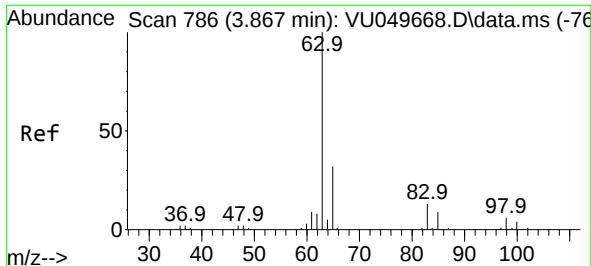
Ion Ratio Lower Upper

73 100

43 21.7 17.0 25.4

57 23.4 18.5 27.7





#19

1,1-Dichloroethane

Concen: 5.790 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

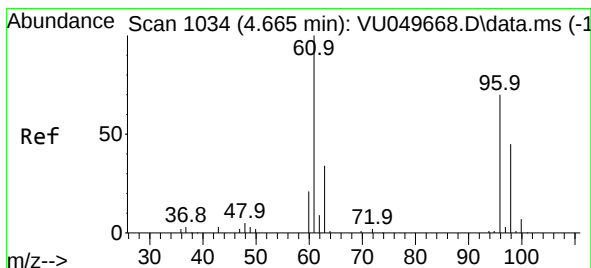
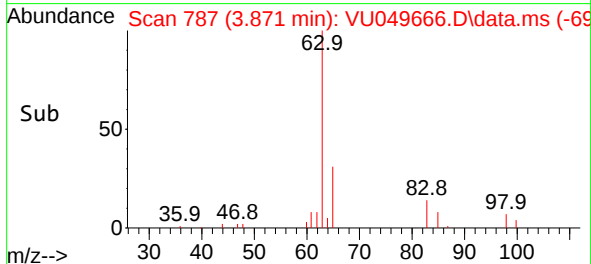
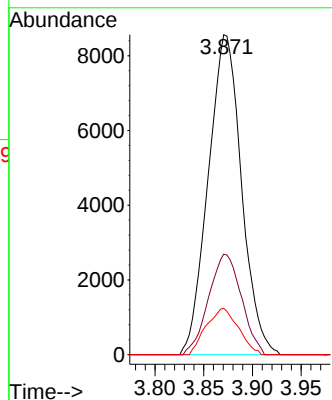
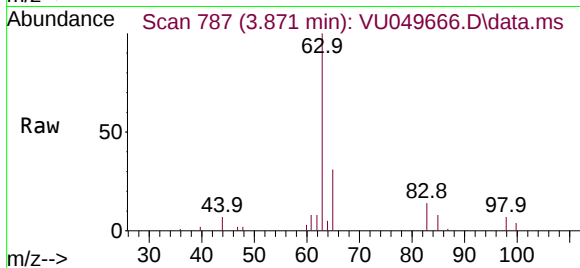
Tgt Ion: 63 Resp: 20341

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

83 14.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 5.700 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

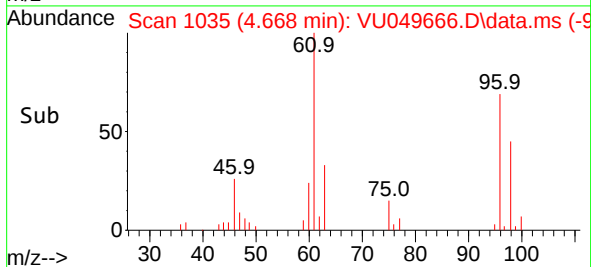
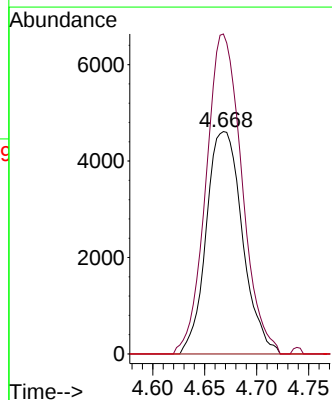
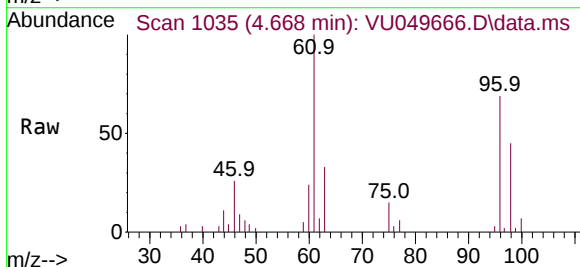
Tgt Ion: 96 Resp: 11176

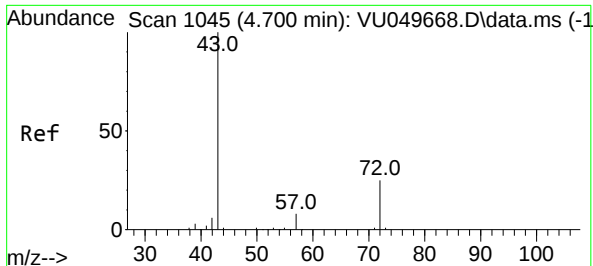
Ion Ratio Lower Upper

96 100

61 138.9 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.722 ug/L

RT: 4.710 min Scan# 1045

Delta R.T. 0.010 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

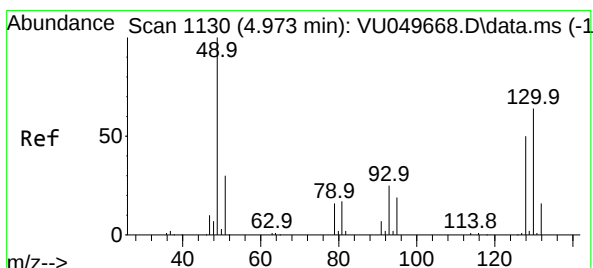
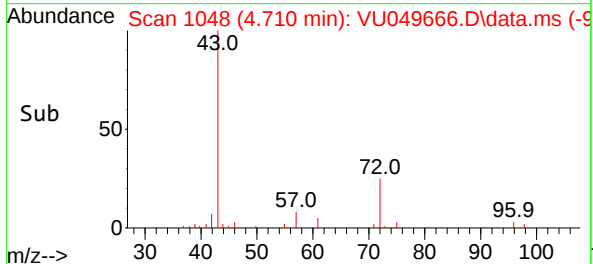
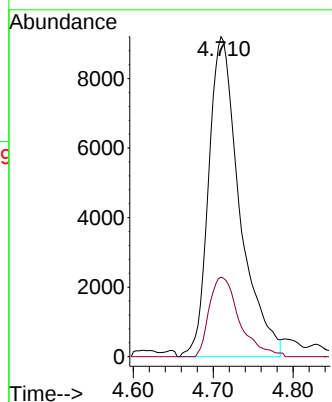
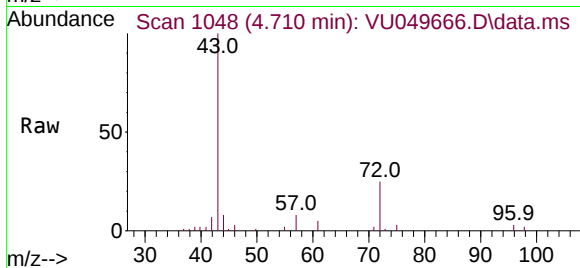
VSTD005001

Tgt Ion: 43 Resp: 24818

Ion Ratio Lower Upper

43 100

72 24.1 12.7 38.0



#23

Bromochloromethane

Concen: 5.147 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Tgt Ion:128 Resp: 5262

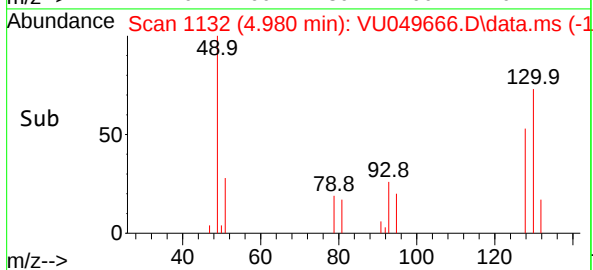
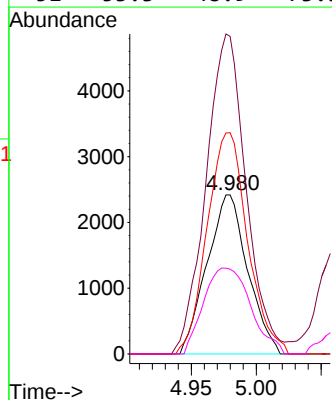
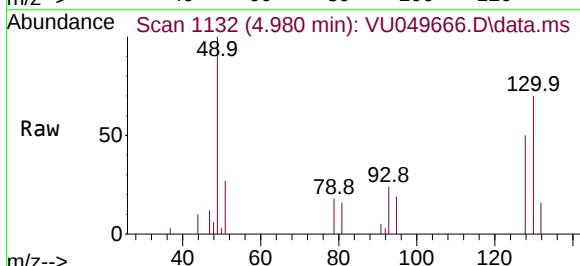
Ion Ratio Lower Upper

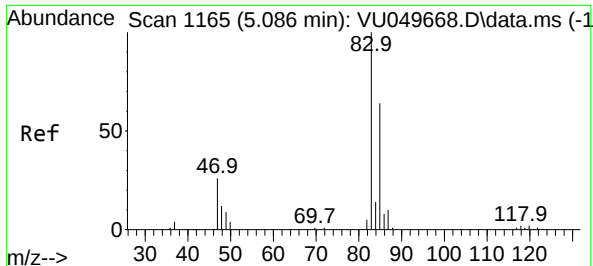
128 100

49 199.6 140.9 261.7

130 139.1 90.0 167.2

51 53.3 48.9 73.3





#25

Chloroform

Concen: 5.690 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

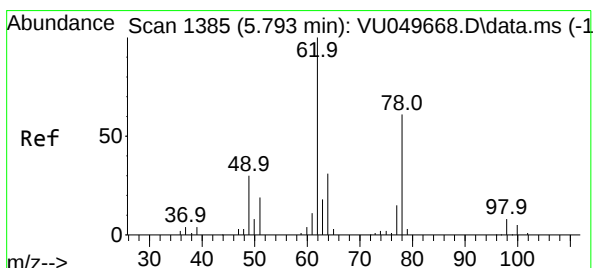
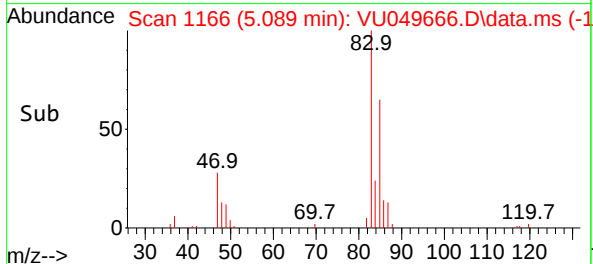
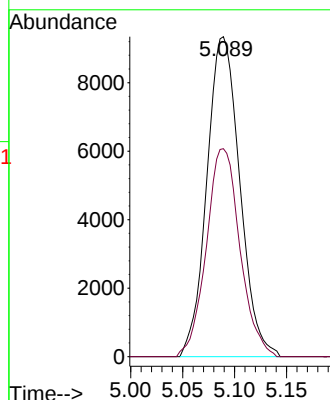
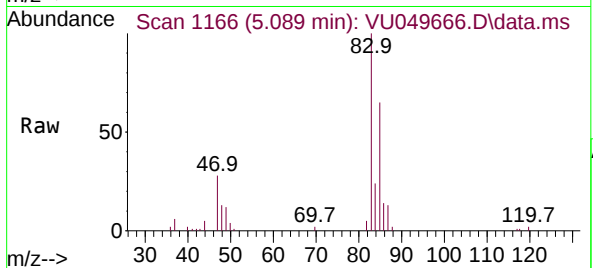
VSTD005001

Tgt Ion: 83 Resp: 20602

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.992 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU049666.D

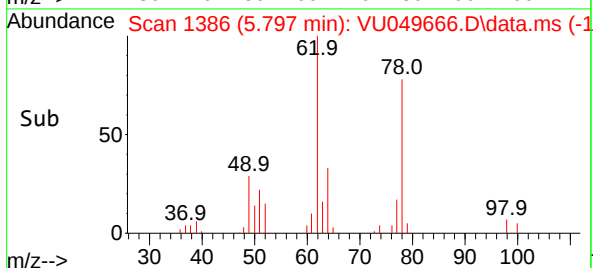
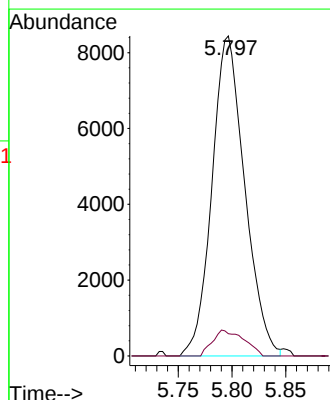
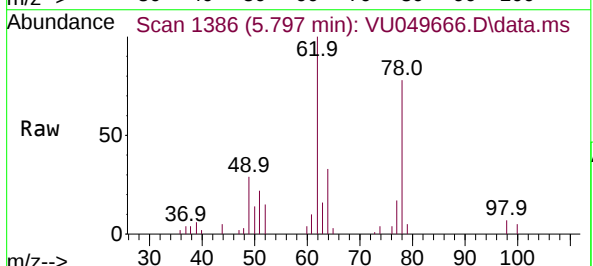
Acq: 11 Jul 2022 10:24

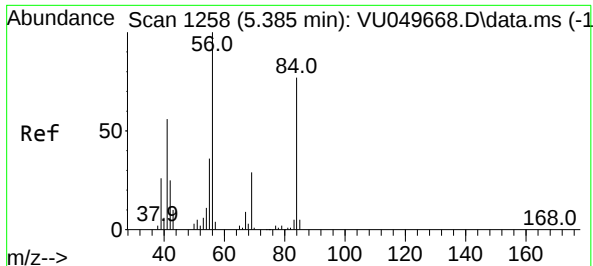
Tgt Ion: 62 Resp: 17875

Ion Ratio Lower Upper

62 100

98 7.0 6.7 10.1





#29

Cyclohexane

Concen: 6.435 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

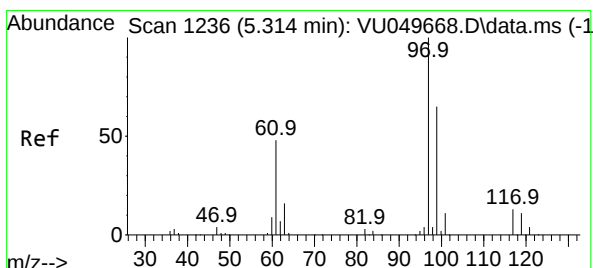
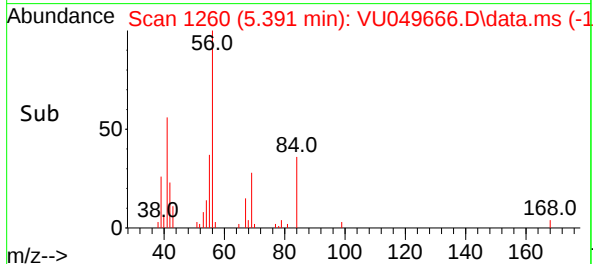
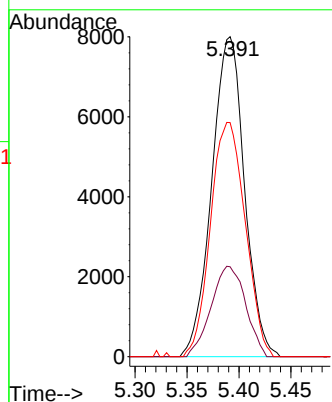
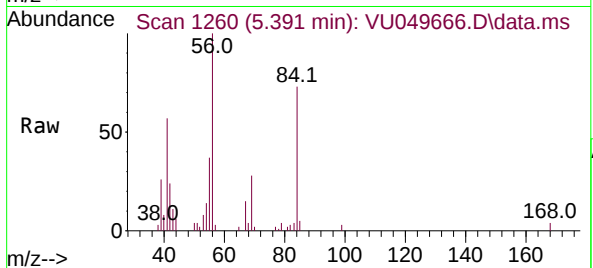
Tgt Ion: 56 Resp: 17589

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.2

84 77.4 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 5.419 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

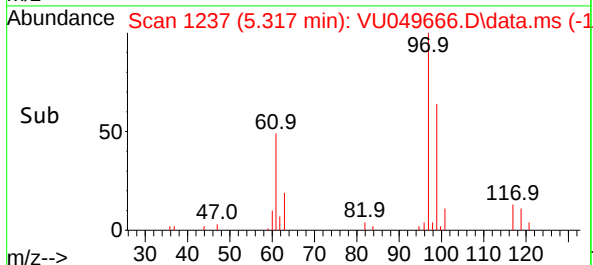
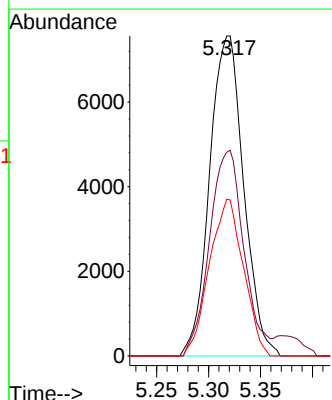
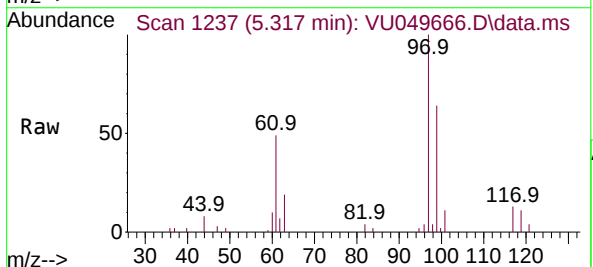
Tgt Ion: 97 Resp: 17212

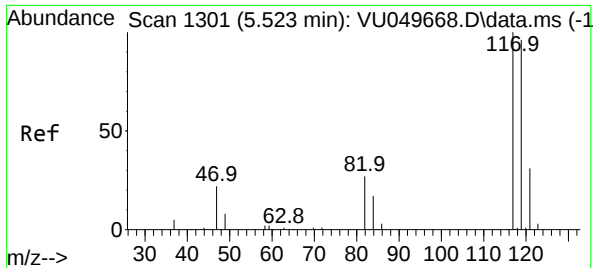
Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 49.0 38.2 57.2

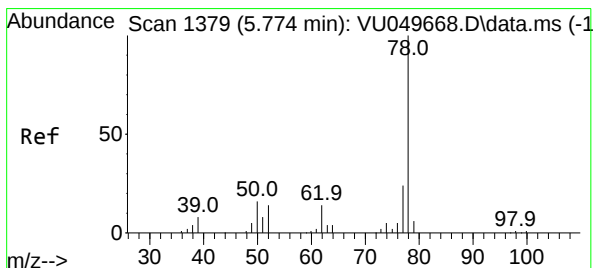
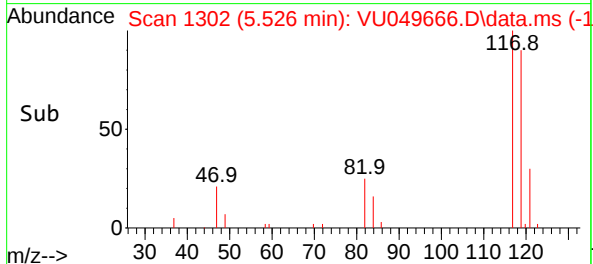
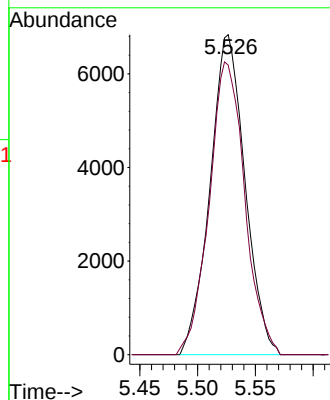
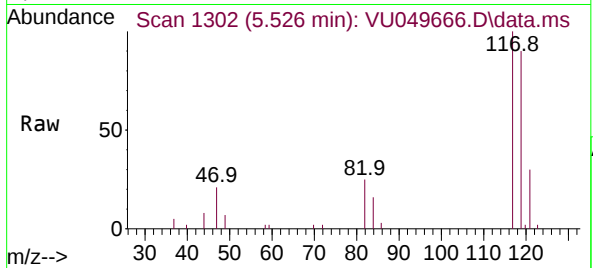




#31
Carbon tetrachloride
Concen: 5.239 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

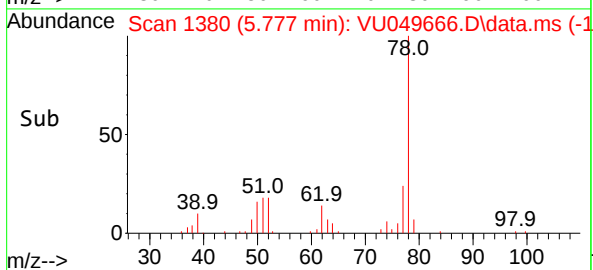
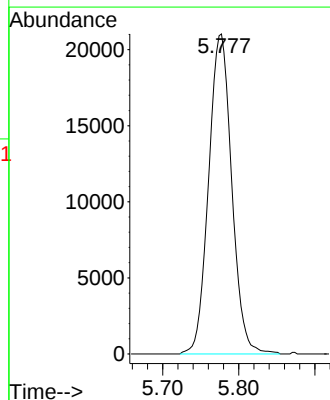
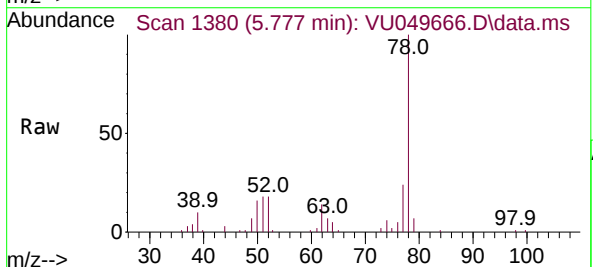
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

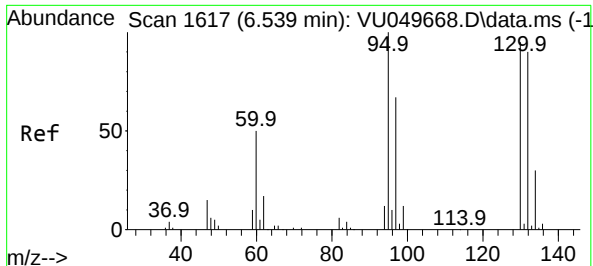
Tgt Ion:117 Resp: 14384
Ion Ratio Lower Upper
117 100
119 92.9 75.8 113.8



#33
Benzene
Concen: 5.895 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion: 78 Resp: 44432

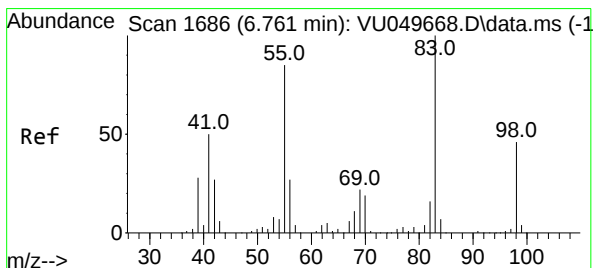
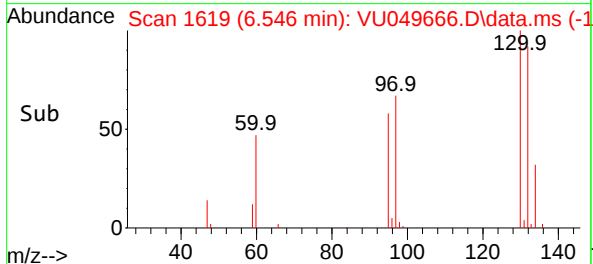
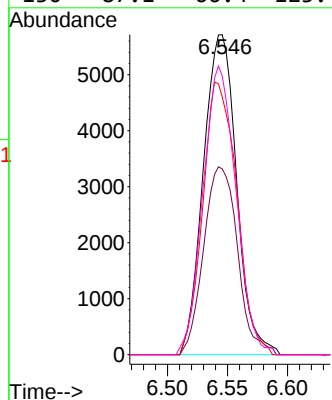
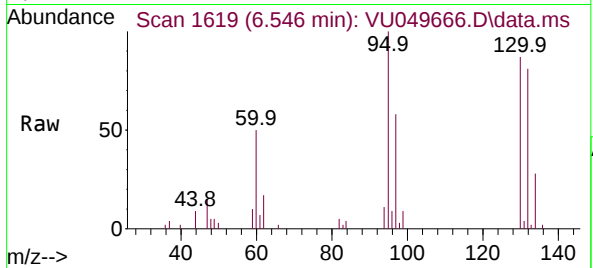




#34
Trichloroethene
Concen: 5.837 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

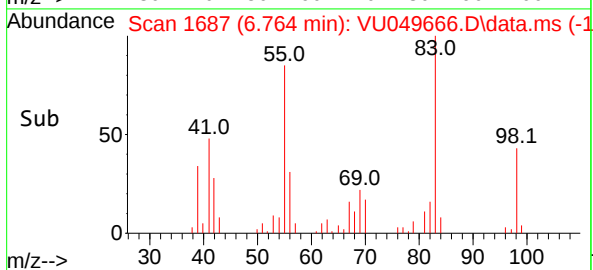
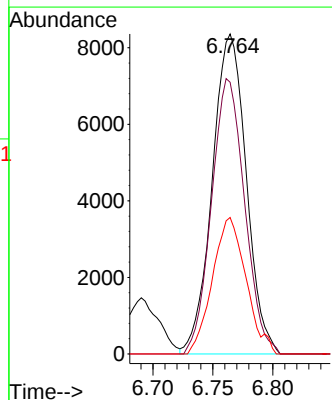
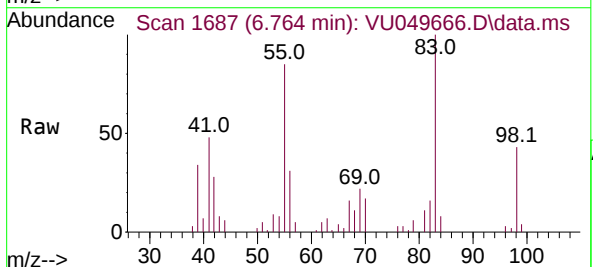
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

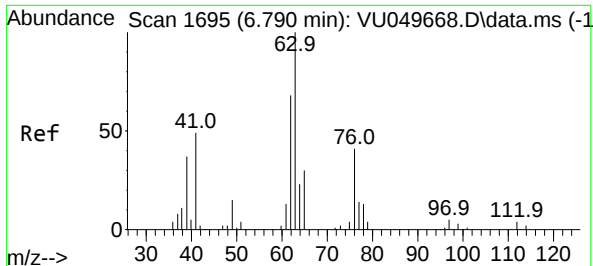
Tgt Ion: 95 Resp: 10998
Ion Ratio Lower Upper
95 100
97 58.1 46.9 87.1
132 80.5 62.7 116.5
130 87.1 66.4 123.4



#35
Methylcyclohexane
Concen: 6.079 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion: 83 Resp: 16472
Ion Ratio Lower Upper
83 100
55 83.9 66.0 99.0
98 40.8 34.6 51.8





#37

1,2-Dichloropropane

Concen: 5.816 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

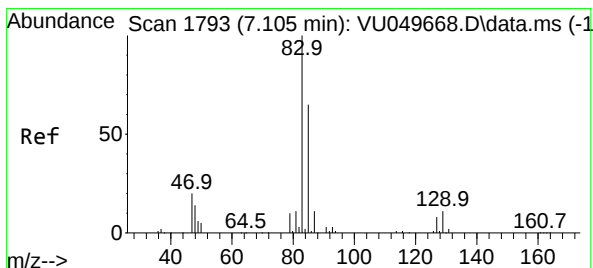
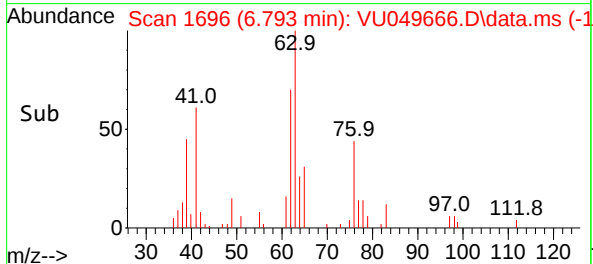
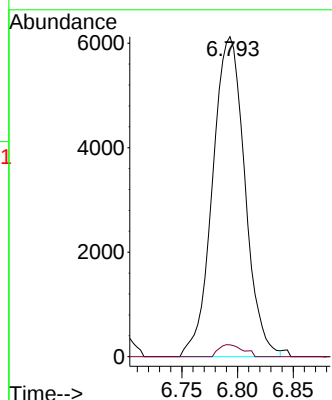
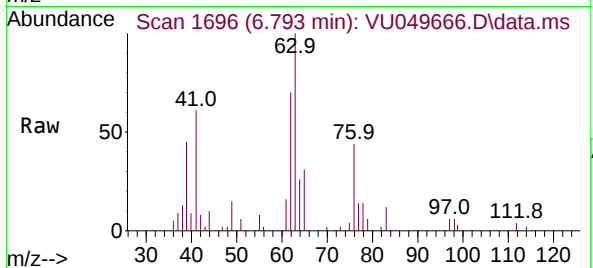
VSTD005001

Tgt Ion: 63 Resp: 12347

Ion Ratio Lower Upper

63 100

112 2.4 2.8 4.2#



#38

Bromodichloromethane

Concen: 5.648 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

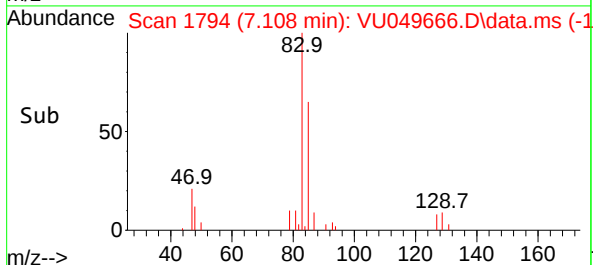
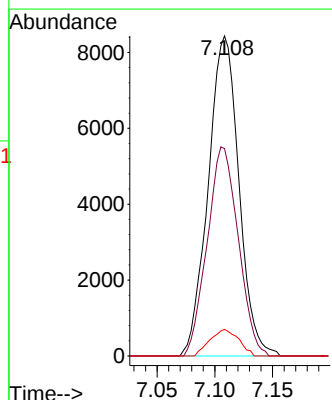
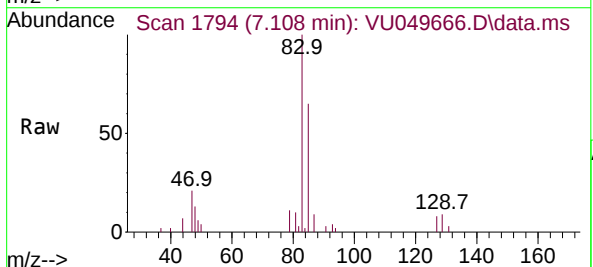
Tgt Ion: 83 Resp: 15609

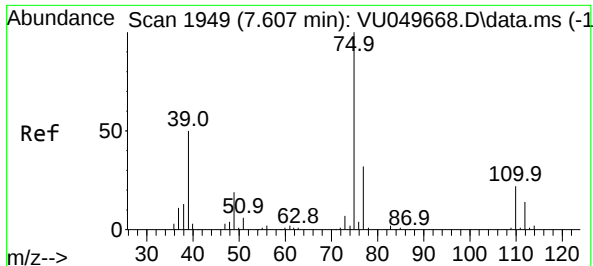
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.803 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

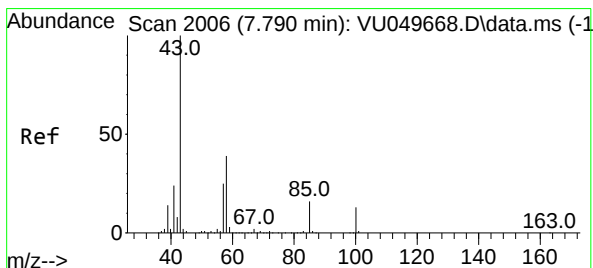
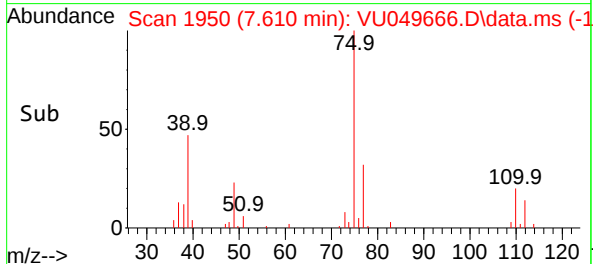
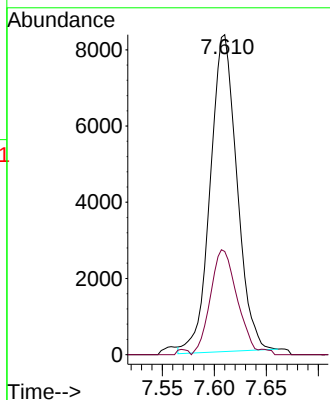
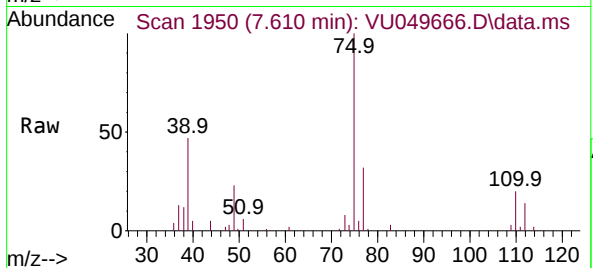
VSTD005001

Tgt Ion: 75 Resp: 14803

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 10.482 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

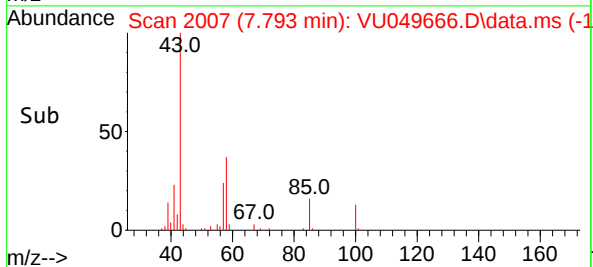
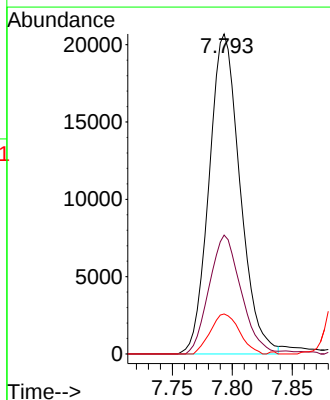
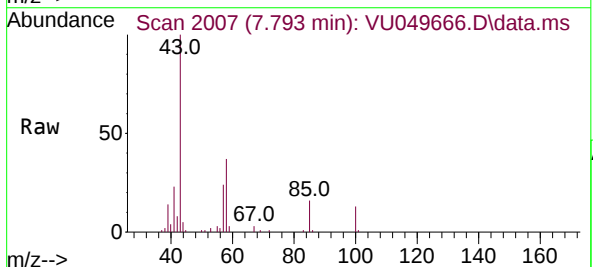
Tgt Ion: 43 Resp: 37109

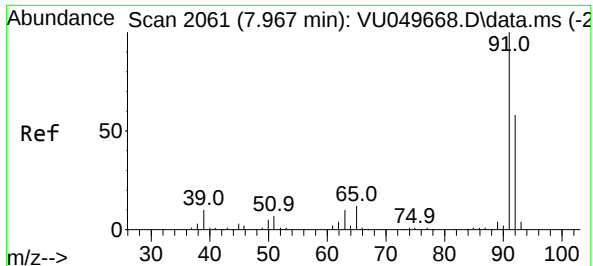
Ion Ratio Lower Upper

43 100

58 38.3 31.4 47.0

100 11.7 10.3 15.5





#42

Toluene

Concen: 5.602 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

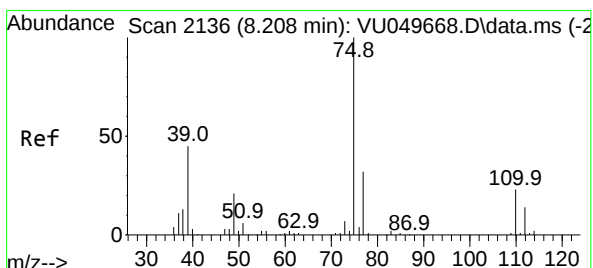
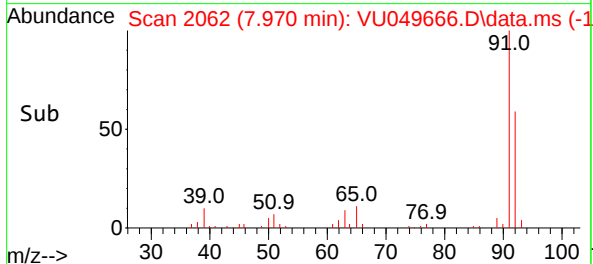
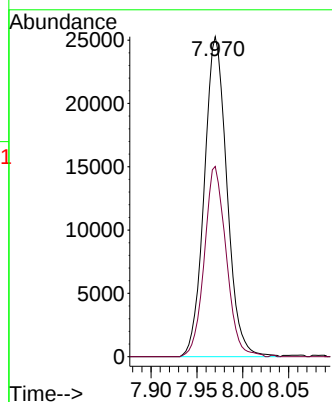
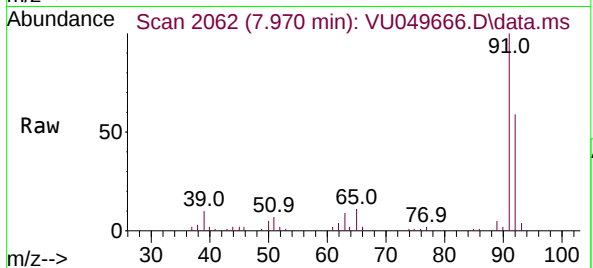
VSTD005001

Tgt Ion: 91 Resp: 43488

Ion Ratio Lower Upper

91 100

92 59.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.909 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049666.D

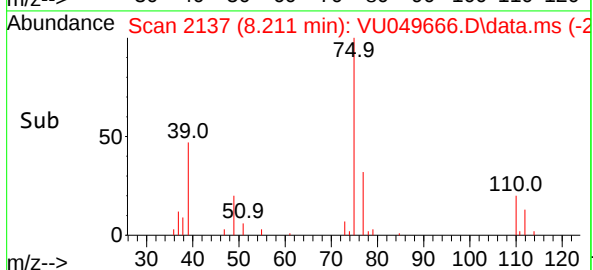
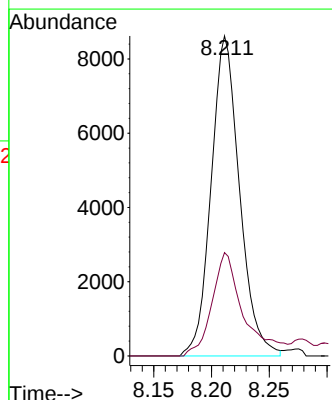
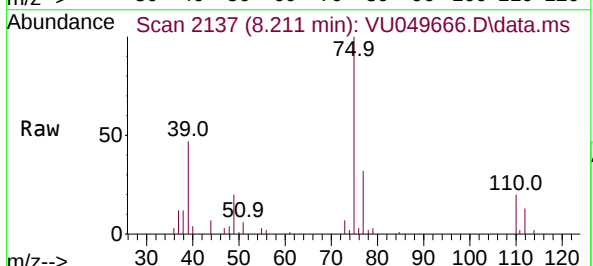
Acq: 11 Jul 2022 10:24

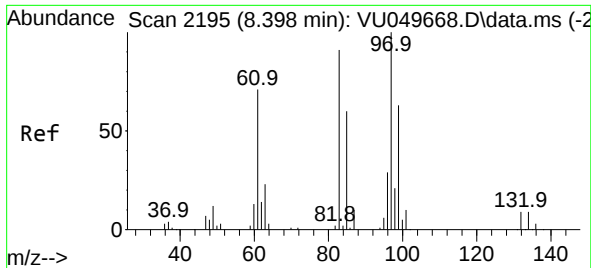
Tgt Ion: 75 Resp: 14745

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9

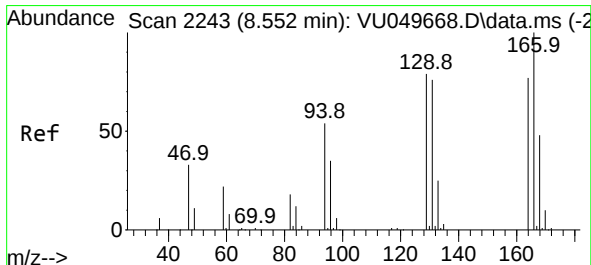
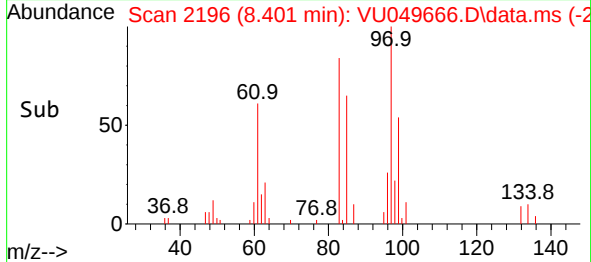
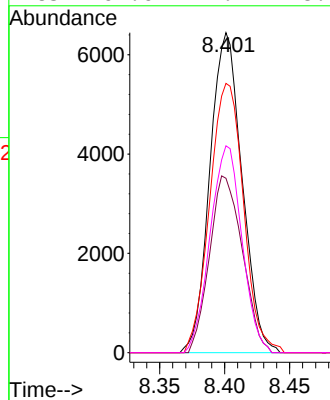
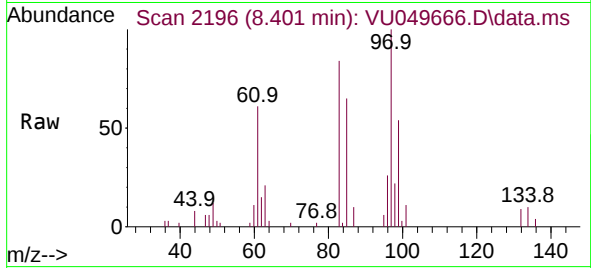




#45
1,1,2-Trichloroethane
Concen: 5.519 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

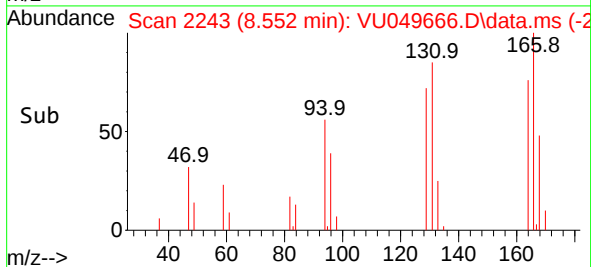
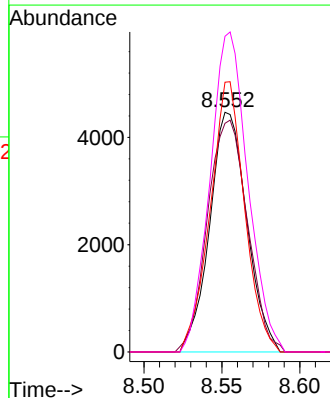
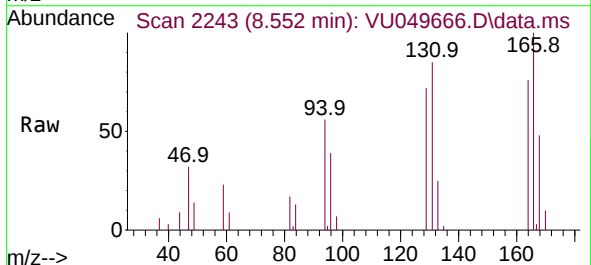
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

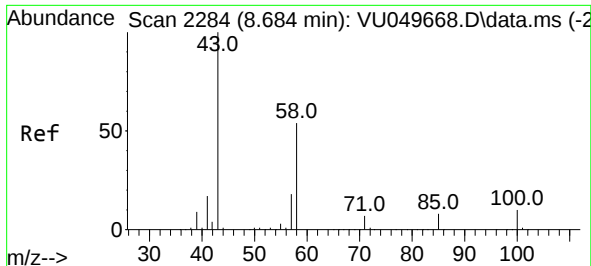
Tgt Ion: 97	Resp: 11092
Ion Ratio	Lower Upper
97 100	
99 54.5	44.3 82.3
83 84.1	64.0 118.8
85 64.6	42.2 78.4



#46
Tetrachloroethene
Concen: 5.146 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt	Ion:164	Resp:	7417
Ion	Ratio	Lower	Upper
164	100		
129	95.4	72.0	133.8
131	112.5	69.0	128.1
166	131.7	91.1	169.3

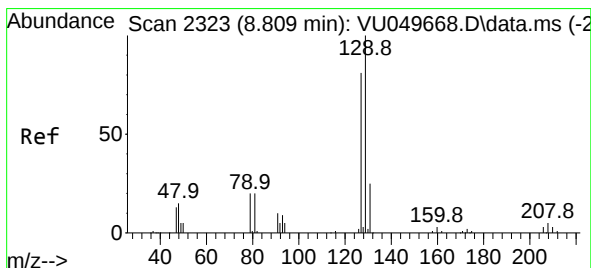
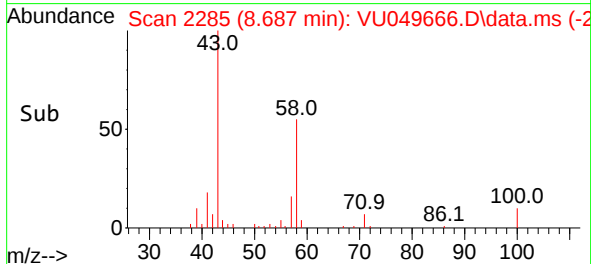
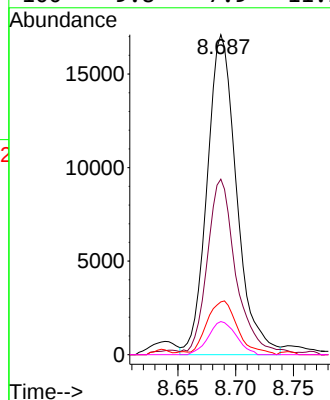
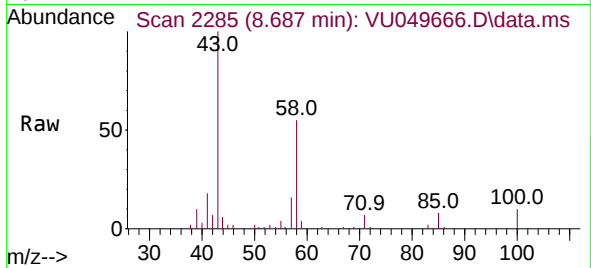




#48
2-Hexanone
Concen: 10.572 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

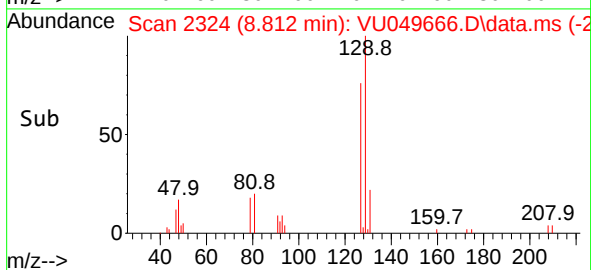
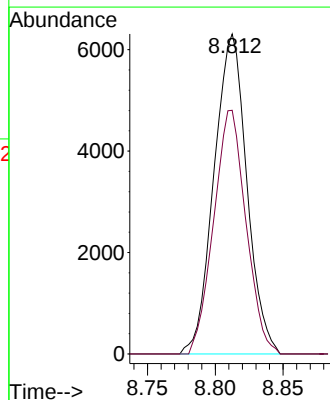
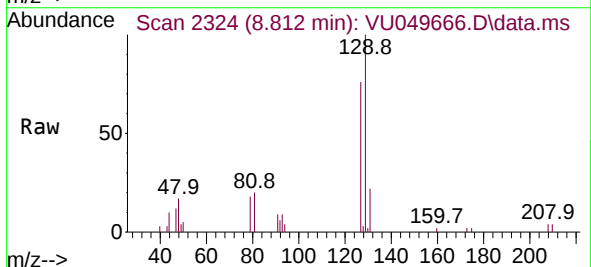
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

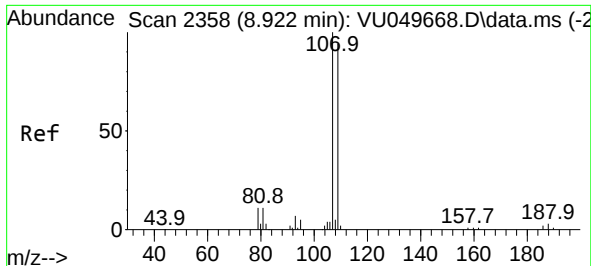
Tgt Ion: 43	Resp:	30412	
Ion	Ratio	Lower	Upper
43	100		
58	51.0	42.6	64.0
57	17.5	15.0	22.6
100	9.8	7.9	11.9



#49
Dibromochloromethane
Concen: 4.845 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion:129	Resp:	10629	
Ion	Ratio	Lower	Upper
129	100		
127	76.1	56.9	105.7

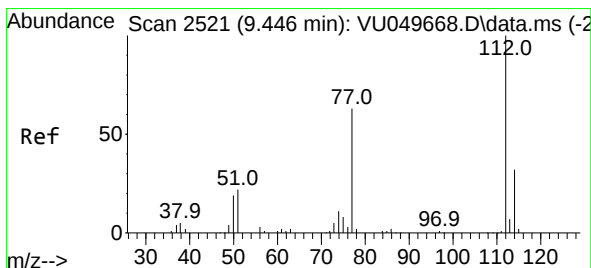
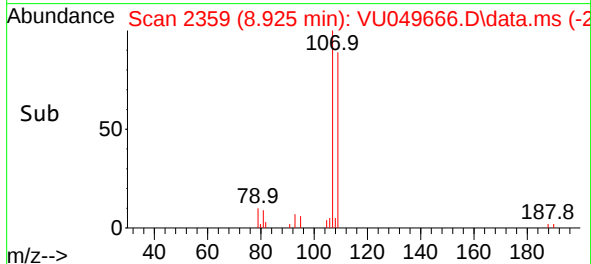
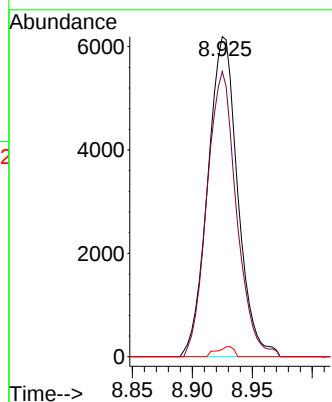
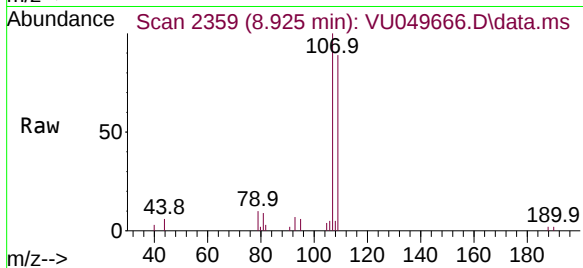




#50
1,2-Dibromoethane
Concen: 5.151 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

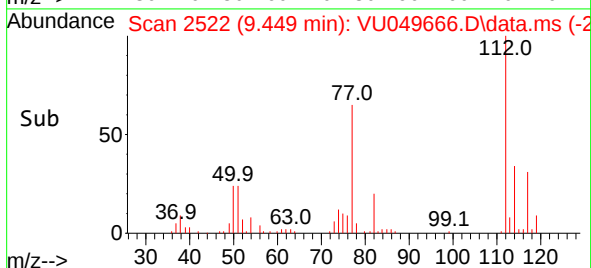
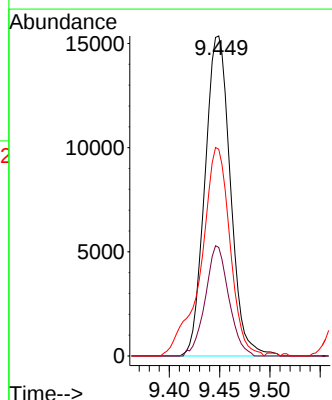
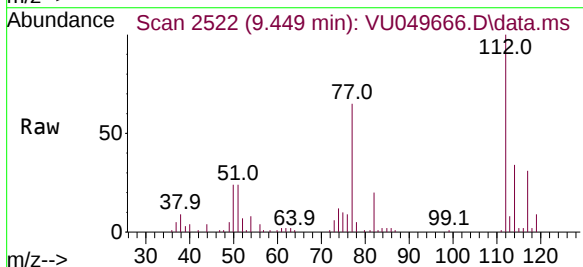
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

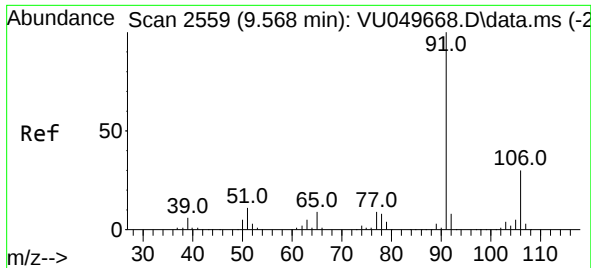
Tgt Ion:107 Resp: 10761
Ion Ratio Lower Upper
107 100
109 89.1 65.7 121.9
188 2.3 2.7 4.1#



#51
Chlorobenzene
Concen: 5.296 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion:112 Resp: 27041
Ion Ratio Lower Upper
112 100
114 33.9 22.1 41.1
77 64.6 51.2 76.8

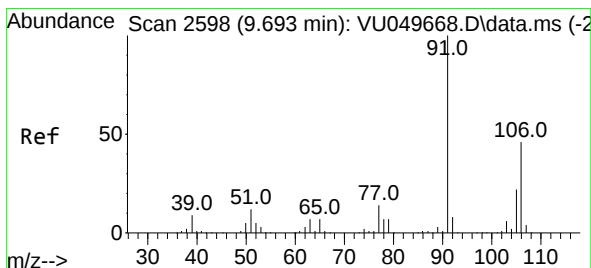
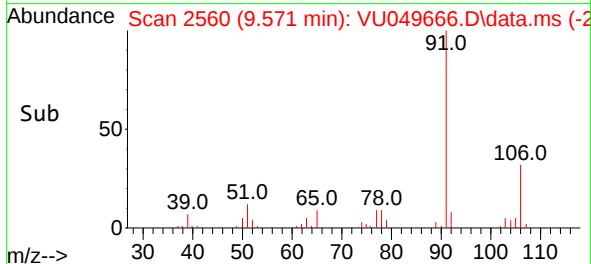
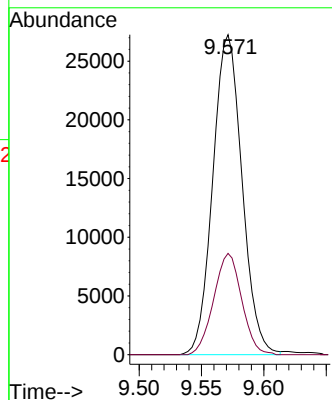
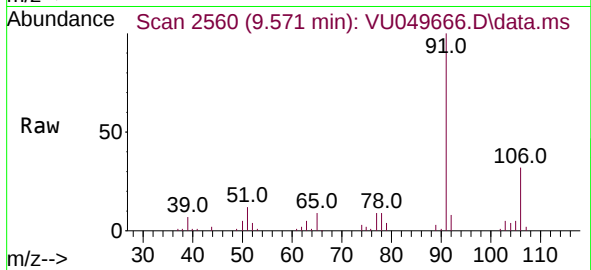




#52
Ethylbenzene
Concen: 5.314 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

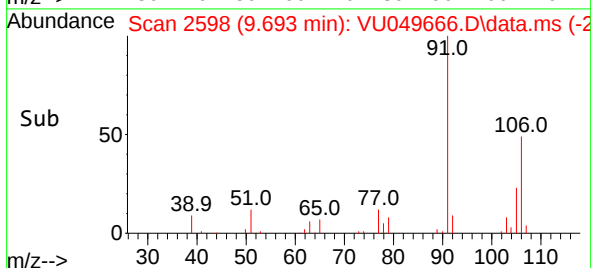
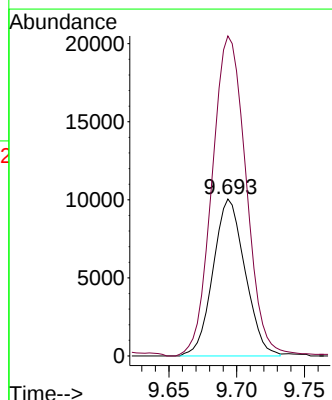
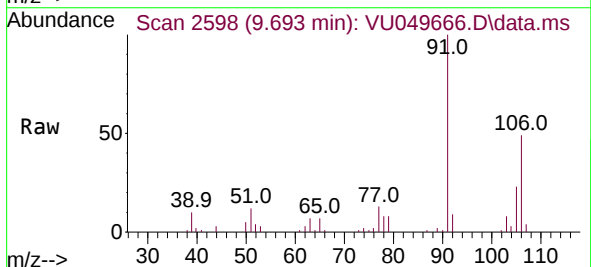
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

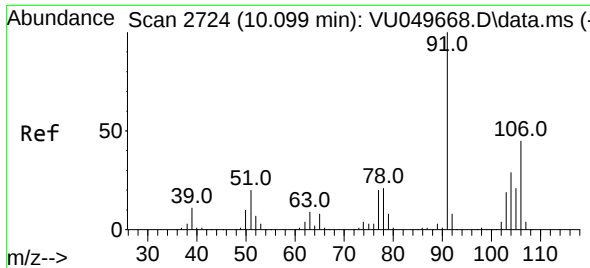
Tgt Ion: 91 Resp: 44475
Ion Ratio Lower Upper
91 100
106 31.6 21.0 39.0



#53
m,p-Xylene
Concen: 5.130 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion: 106 Resp: 16493
Ion Ratio Lower Upper
106 100
91 204.0 151.7 281.7

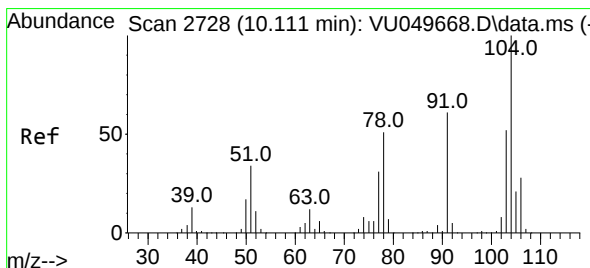
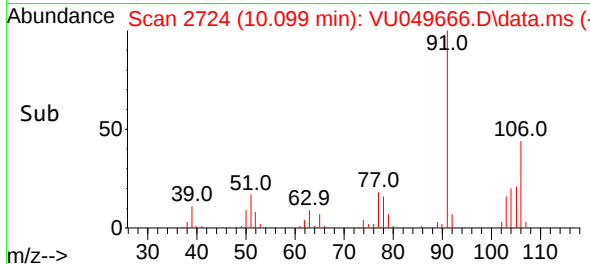
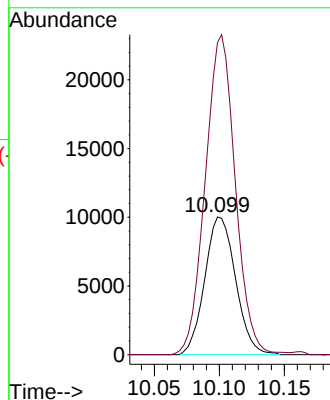
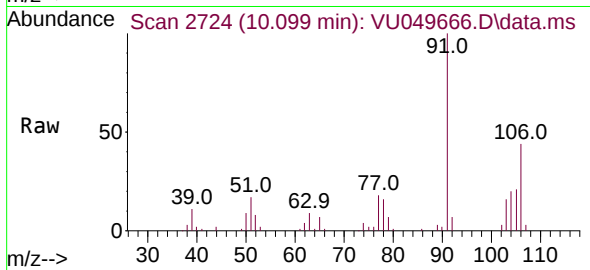




#54
o-Xylene
Concen: 5.077 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

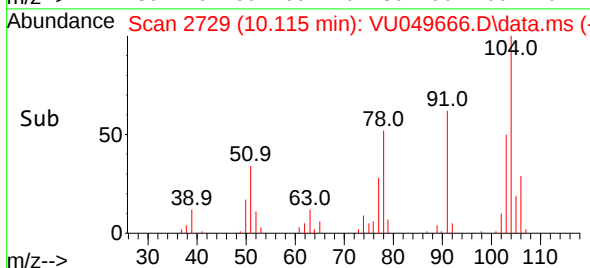
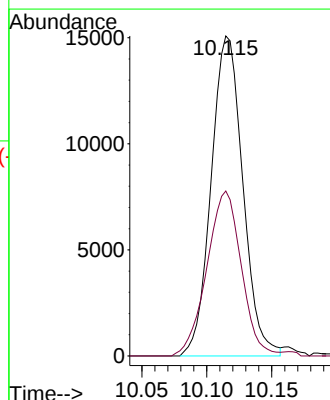
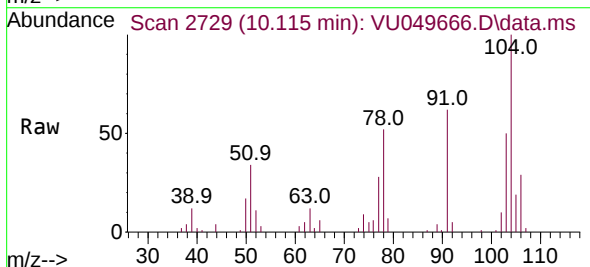
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

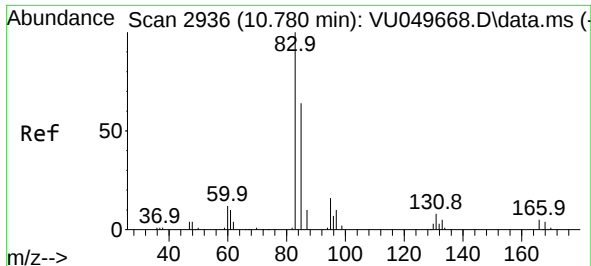
Tgt Ion:106 Resp: 16542
Ion Ratio Lower Upper
106 100
91 226.7 156.9 291.5



#55
Styrene
Concen: 4.709 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion:104 Resp: 25571
Ion Ratio Lower Upper
104 100
78 51.5 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.807 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

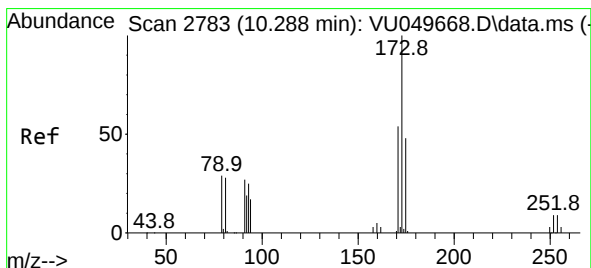
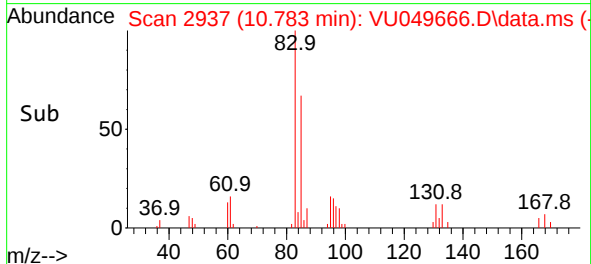
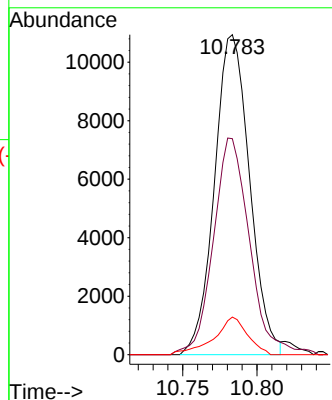
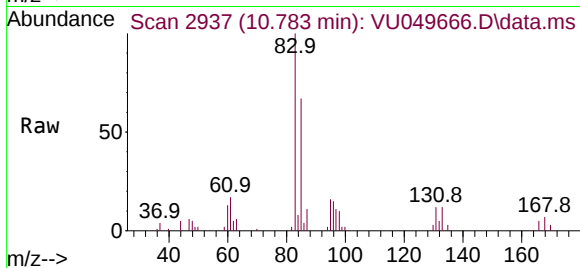
Tgt Ion: 83 Resp: 18026

Ion Ratio Lower Upper

83 100

85 67.5 45.0 83.6

131 11.7 7.0 10.6#



#59

Bromoform

Concen: 4.996 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

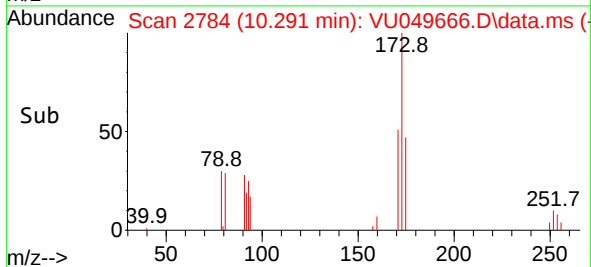
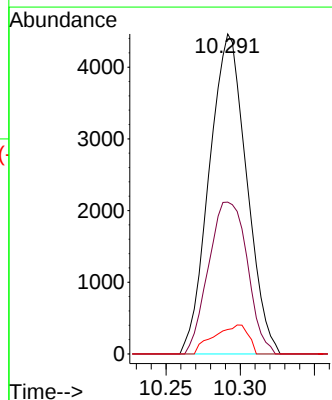
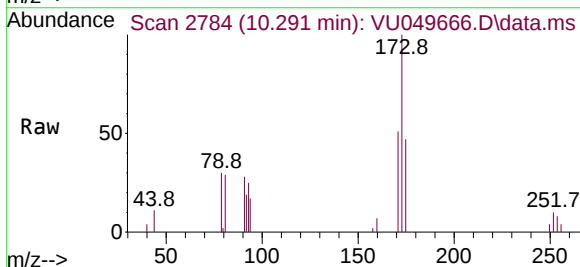
Tgt Ion:173 Resp: 7787

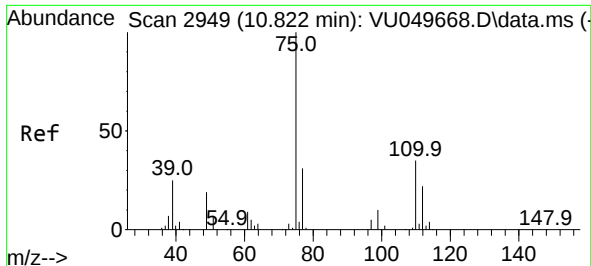
Ion Ratio Lower Upper

173 100

175 49.4 38.6 58.0

254 8.3 7.4 11.0

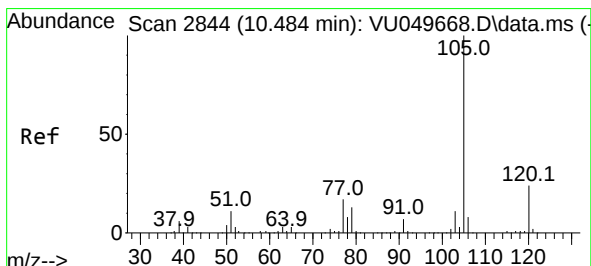
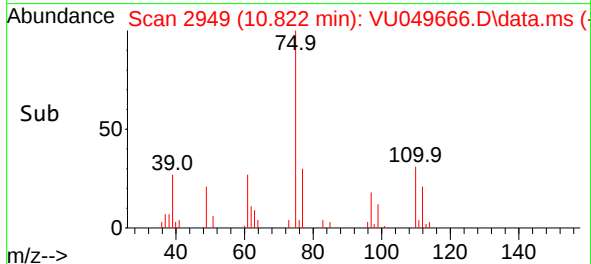
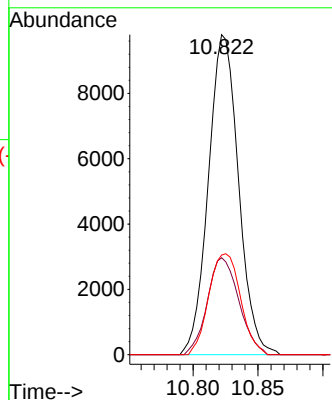
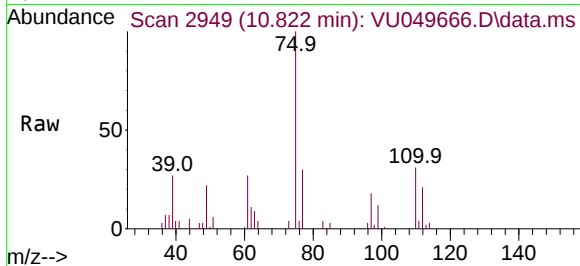




#60
1,2,3-Trichloropropane
Concen: 5.695 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

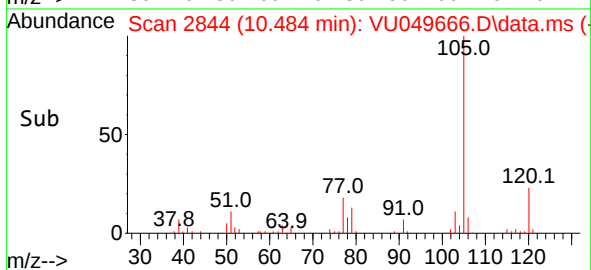
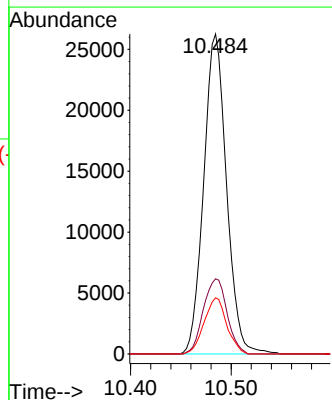
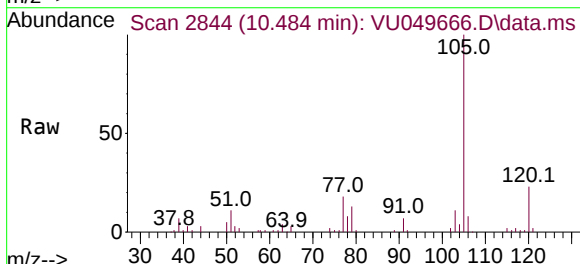
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

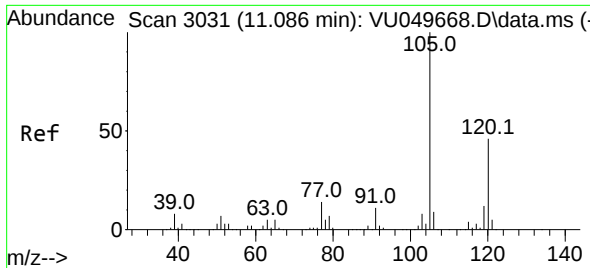
Tgt Ion:	75	Resp:	15807
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.5	38.3
110	33.2	28.9	43.3



#61
Isopropylbenzene
Concen: 5.564 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion:	105	Resp:	41451
Ion Ratio	Lower	Upper	
105	100		
120	24.4	19.9	29.9
77	17.4	13.8	20.8

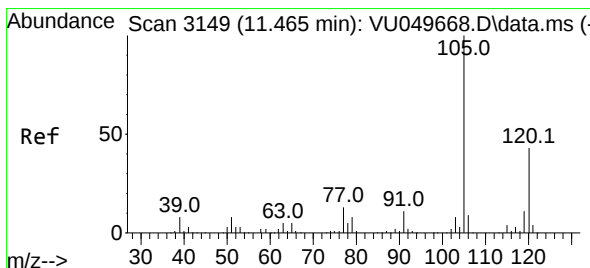
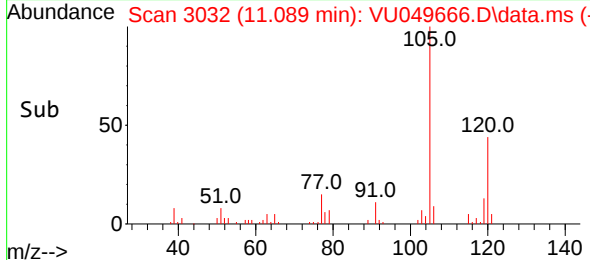
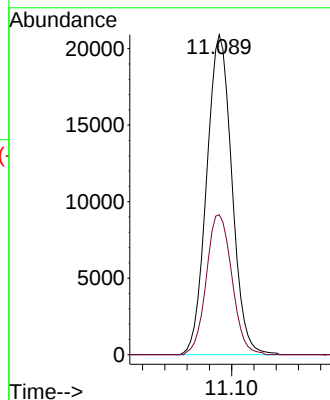
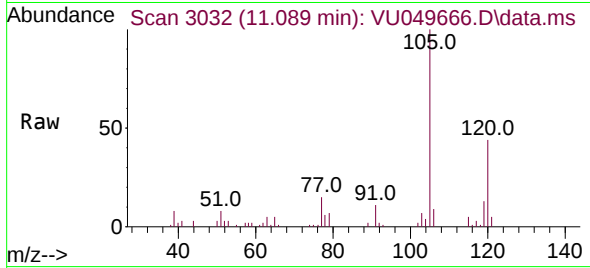




#62
1,3,5-Trimethylbenzene
Concen: 5.177 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

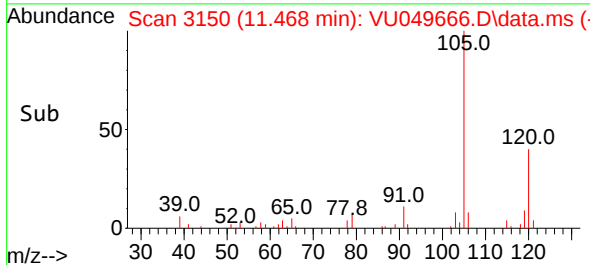
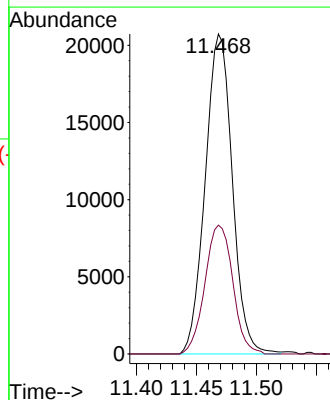
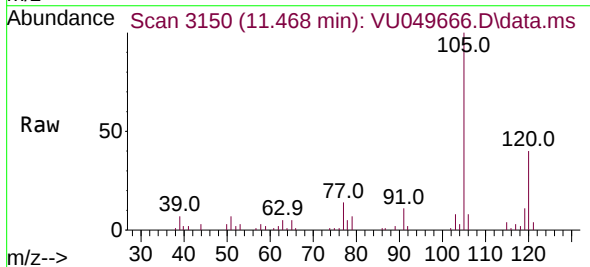
Instrument :
MSVOA_U
ClientSampleId :
VSTD005001

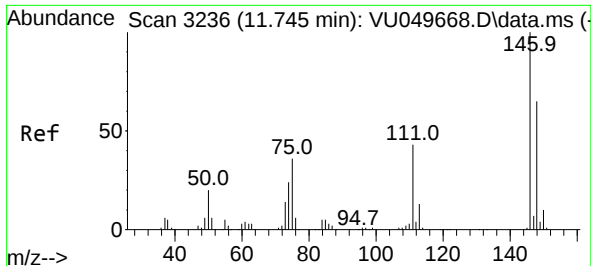
Tgt Ion:105 Resp: 32913
Ion Ratio Lower Upper
105 100
120 44.4 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 6.076 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU049666.D
Acq: 11 Jul 2022 10:24

Tgt Ion:105 Resp: 32612
Ion Ratio Lower Upper
105 100
120 41.3 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 5.271 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. -0.000 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

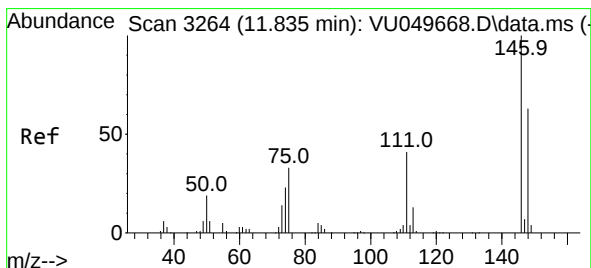
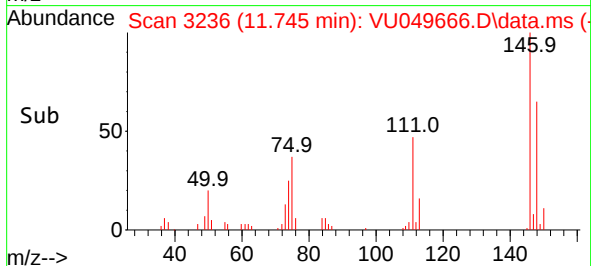
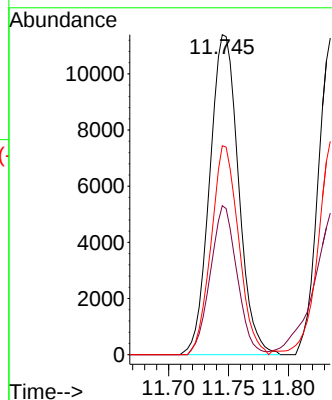
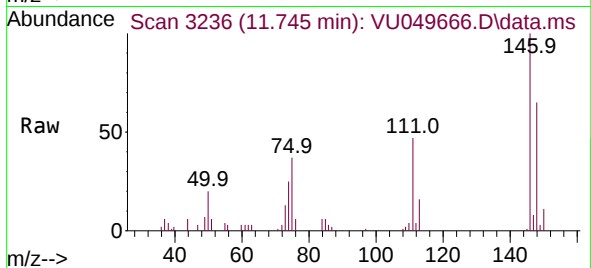
Tgt Ion:146 Resp: 19031

Ion Ratio Lower Upper

146 100

111 46.5 30.0 55.6

148 65.3 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 5.212 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

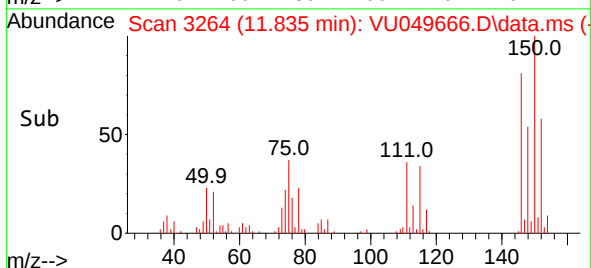
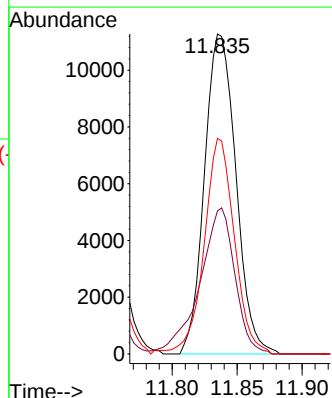
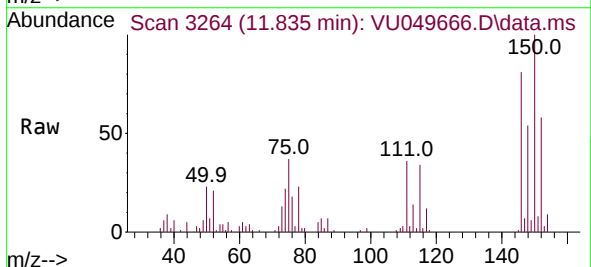
Tgt Ion:146 Resp: 18984

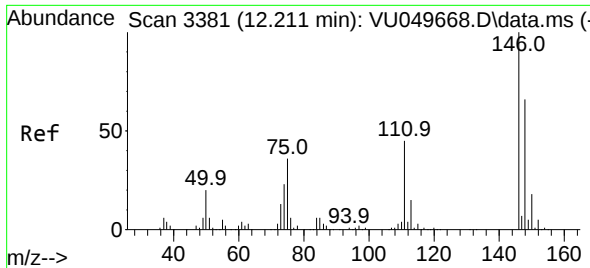
Ion Ratio Lower Upper

146 100

111 44.7 29.1 54.1

148 67.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 5.260 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

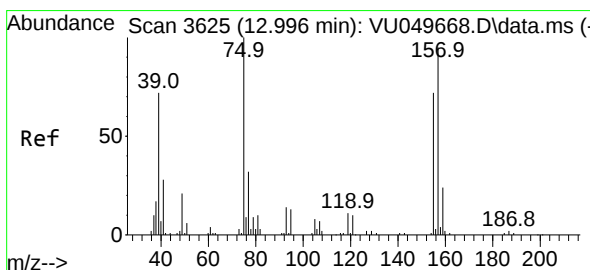
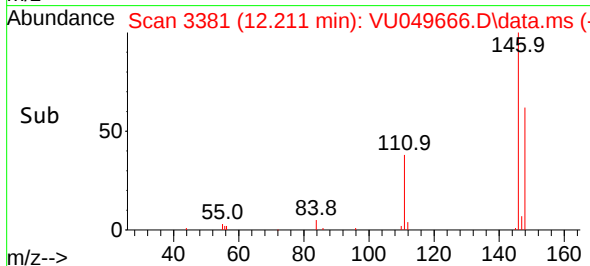
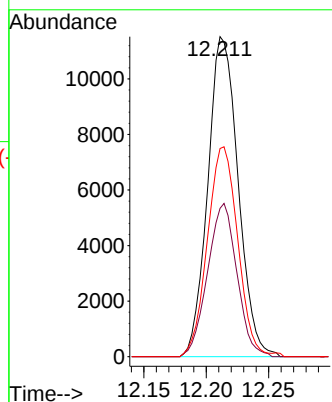
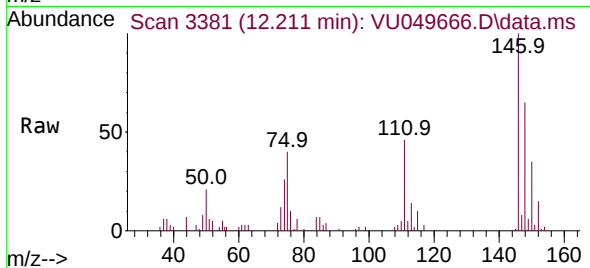
Tgt Ion:146 Resp: 19547

Ion Ratio Lower Upper

146 100

111 46.3 35.8 53.8

148 65.1 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.513 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

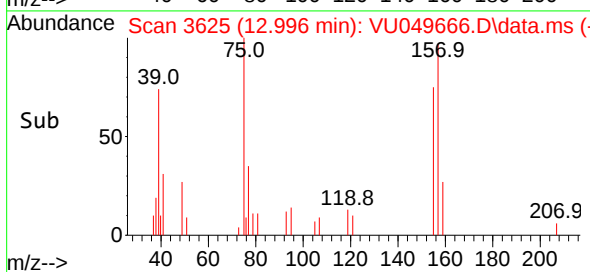
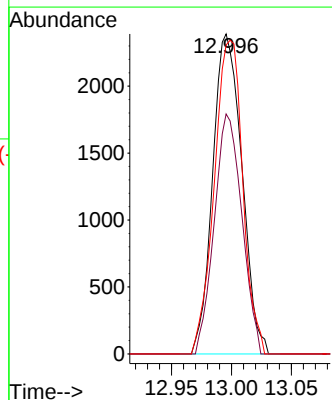
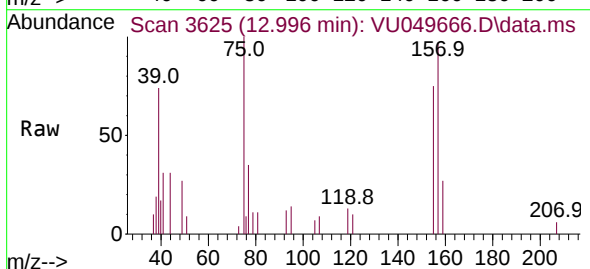
Tgt Ion: 75 Resp: 4040

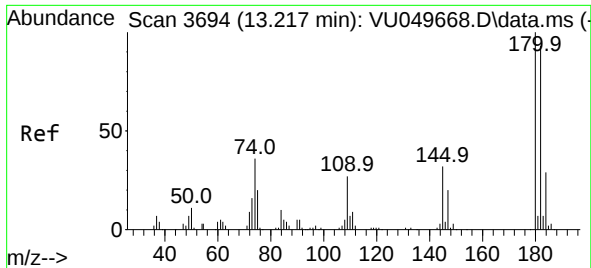
Ion Ratio Lower Upper

75 100

155 75.0 57.7 86.5

157 96.5 75.6 113.4

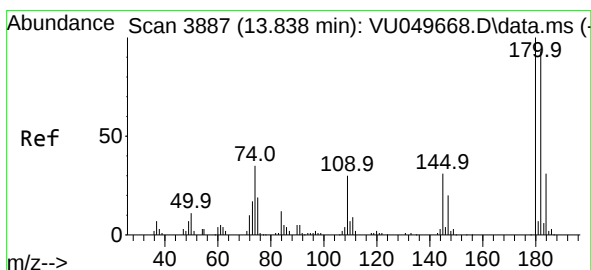
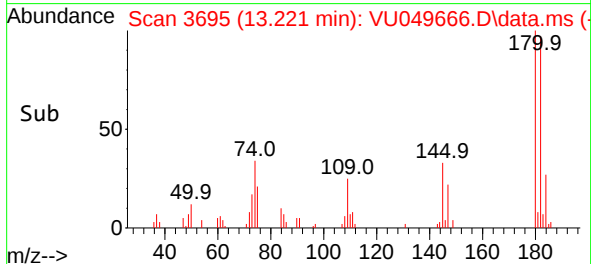
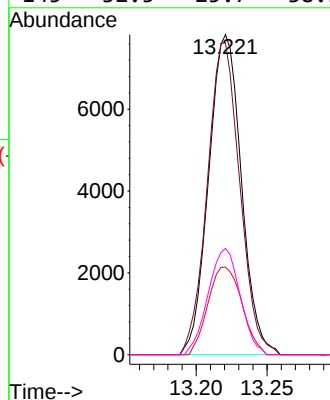
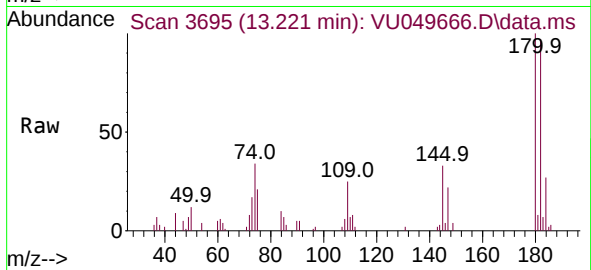




#69
 1,3,5-Trichlorobenzene
 Concen: 4.871 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU049666.D
 Acq: 11 Jul 2022 10:24

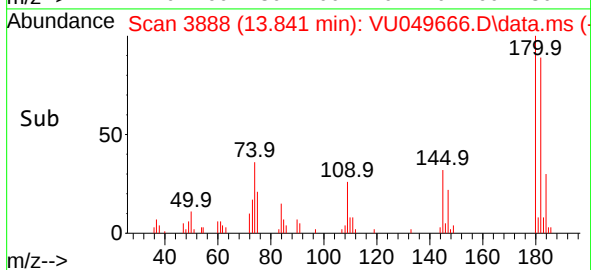
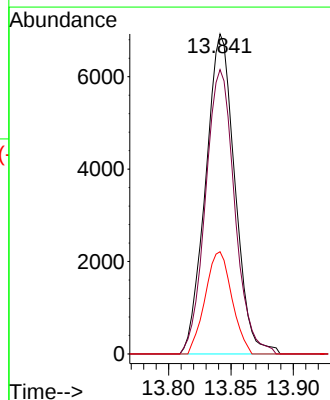
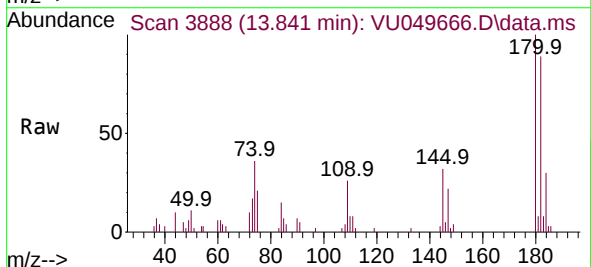
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005001

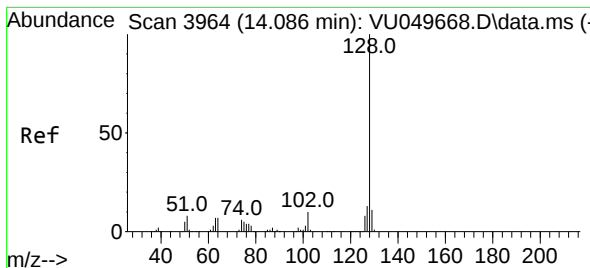
Tgt Ion:180	Resp:	12519
Ion Ratio	Lower	Upper
180	100	
182	97.1	76.0 114.0
184	28.5	24.0 36.0
145	32.5	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 5.141 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049666.D
 Acq: 11 Jul 2022 10:24

Tgt Ion:180	Resp:	11313
Ion Ratio	Lower	Upper
180	100	
182	88.6	74.8 112.2
145	29.0	24.7 37.1





#71

Naphthalene

Concen: 4.613 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005001

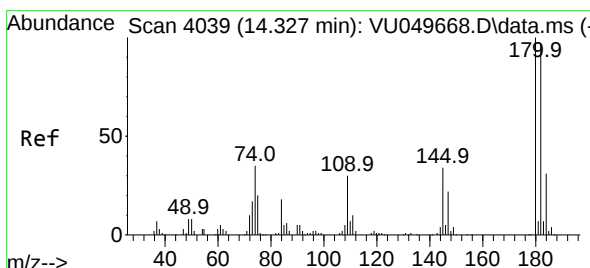
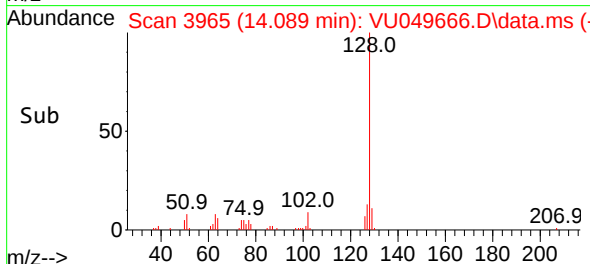
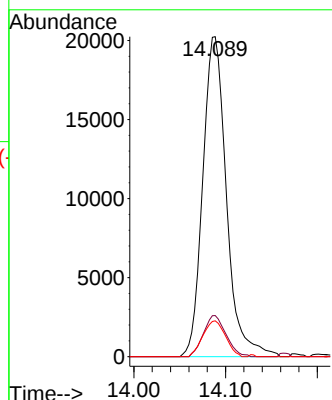
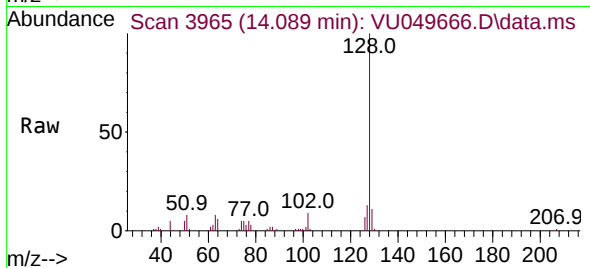
Tgt Ion:128 Resp: 36347

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 4.946 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049666.D

Acq: 11 Jul 2022 10:24

Tgt Ion:180 Resp: 11494

Ion Ratio Lower Upper

180 100

182 93.3 76.6 115.0

145 34.1 27.1 40.7

