

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092222\
 Data File : VU050889.D
 Acq On : 22 Sep 2022 10:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

Quant Time: Sep 23 01:05:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	410151	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	399653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	192194	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	158558	37.313	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.620%
7) Chloroethane-d5	1.909	69	130758	43.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.420%
11) 1,1-Dichloroethene-d2	2.568	63	281967	42.643	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.280%
21) 2-Butanone-d5	4.620	46	324261	118.196	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.200%
24) Chloroform-d	5.063	84	323584	48.590	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.180%
26) 1,2-Dichloroethane-d4	5.700	65	203639	49.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.240%
32) Benzene-d6	5.729	84	617418	46.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.690	67	213126	47.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.940%
41) Toluene-d8	7.899	98	548066	47.630	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.260%
43) trans-1,3-Dichloroprop...	8.179	79	91449	47.310	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.620%
47) 2-Hexanone-d5	8.632	63	202401	110.535	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.530%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	340221	50.222	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.440%
66) 1,2-Dichlorobenzene-d4	12.192	152	191466	47.580	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	208699	49.141	ug/L	100
3) Chloromethane	1.520	50	237773	48.158	ug/L	99
5) Vinyl chloride	1.604	62	233299	48.266	ug/L	98
6) Bromomethane	1.851	94	142915	58.526	ug/L	100
8) Chloroethane	1.928	64	139779	52.230	ug/L	99
9) Trichlorofluoromethane	2.137	101	268689	51.247	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	173179	51.605	ug/L	100
12) 1,1-Dichloroethene	2.578	96	156426	49.609	ug/L	91
13) Acetone	2.623	43	224433	96.615	ug/L	98
14) Carbon disulfide	2.790	76	486398	48.782	ug/L	99
15) Methyl Acetate	2.948	43	234630	53.522	ug/L	99
16) Methylene chloride	3.044	84	197346	45.074	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	165227	51.125	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	517065	52.482	ug/L	99
19) 1,1-Dichloroethane	3.867	63	328817	50.353	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	185495	51.765	ug/L	99
22) 2-Butanone	4.700	43	350072	114.328	ug/L	100
23) Bromochloromethane	4.973	128	99012	52.720	ug/L	94
25) Chloroform	5.086	83	339277	52.132	ug/L	99

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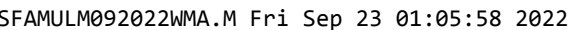
Instrument :
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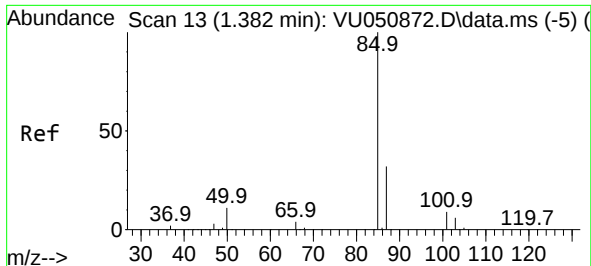
Quant Time: Sep 23 01:05:49 2022
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	259391	52.446	ug/L	99
29) Cyclohexane	5.388	56	274795	49.964	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	274386	51.606	ug/L	99
31) Carbon tetrachloride	5.523	117	225419	51.035	ug/L	98
33) Benzene	5.774	78	759334	51.628	ug/L	100
34) Trichloroethene	6.542	95	181250	53.052	ug/L	99
35) Methylcyclohexane	6.764	83	287262	52.184	ug/L	99
37) 1,2-Dichloropropane	6.790	63	205878	51.154	ug/L	100
38) Bromodichloromethane	7.105	83	252764	52.712	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	279934	51.977	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	624070	112.515	ug/L	100
42) Toluene	7.970	91	796043	54.521	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	273166	53.318	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	196576	53.001	ug/L	99
46) Tetrachloroethene	8.552	164	130864	53.303	ug/L	99
48) 2-Hexanone	8.684	43	528764	114.088	ug/L	99
49) Dibromochloromethane	8.809	129	194520	53.489	ug/L	99
50) 1,2-Dibromoethane	8.922	107	205824	53.487	ug/L	98
51) Chlorobenzene	9.446	112	456984	51.267	ug/L	99
52) Ethylbenzene	9.571	91	758435	52.069	ug/L	100
53) m,p-Xylene	9.693	106	295215	54.515	ug/L	99
54) o-Xylene	10.098	106	291386	54.003	ug/L	99
55) Styrene	10.115	104	507144	54.821	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	336783	49.073	ug/L	99
59) Bromoform	10.288	173	142343	51.313	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	276845	51.211	ug/L	99
61) Isopropylbenzene	10.484	105	728777	53.060	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	597282	52.900	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	605369	54.140	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	328070	52.232	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	328522	51.520	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	345485	51.949	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	84499	56.831	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	225215	51.249	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	184220	51.225	ug/L	98
71) Naphthalene	14.085	128	735058	53.182	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	214414	53.271	ug/L	100

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

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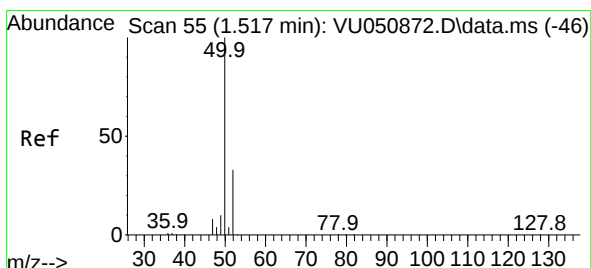
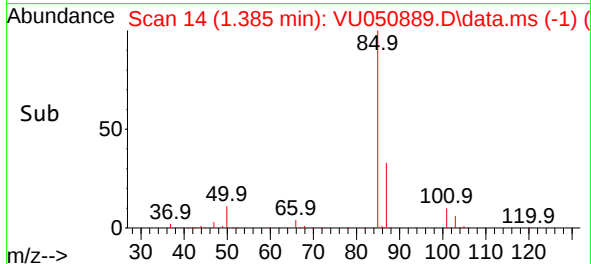
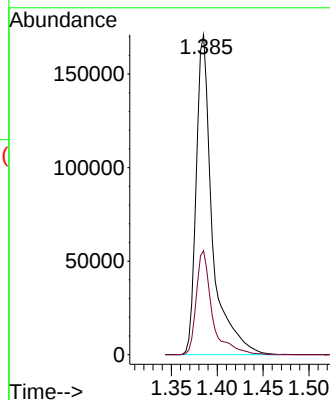
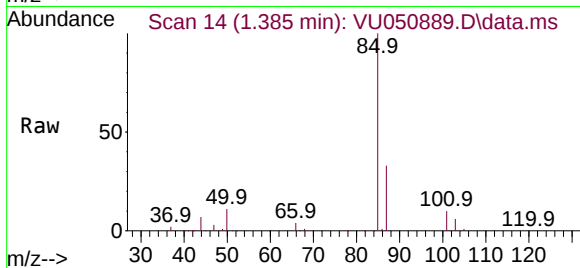




#2
Dichlorodifluoromethane
Concen: 49.141 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

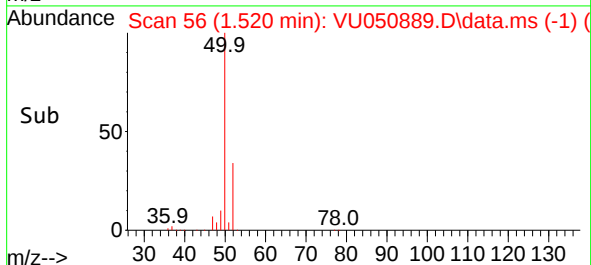
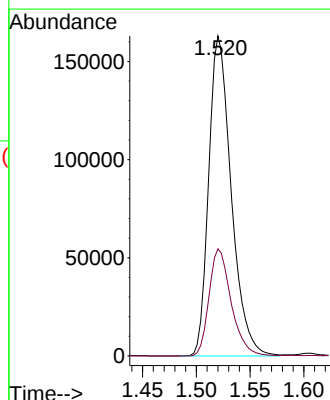
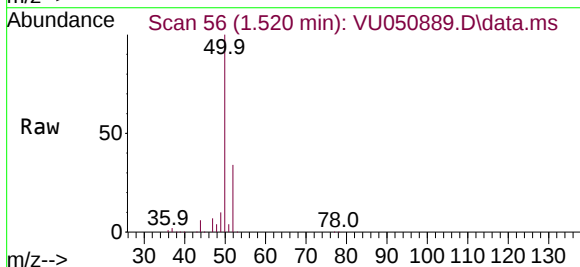
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

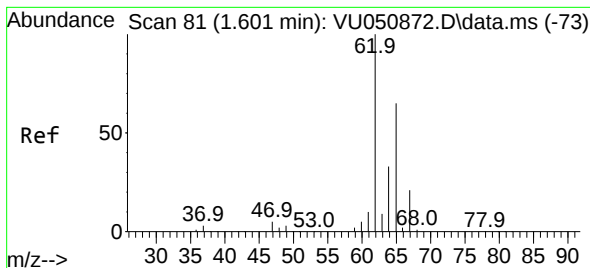
Tgt Ion: 85 Resp: 208699
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.8



#3
Chloromethane
Concen: 48.158 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 50 Resp: 237773
Ion Ratio Lower Upper
50 100
52 33.5 23.7 43.9





#5

Vinyl chloride

Concen: 48.266 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

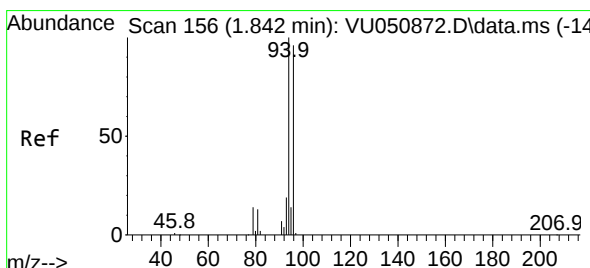
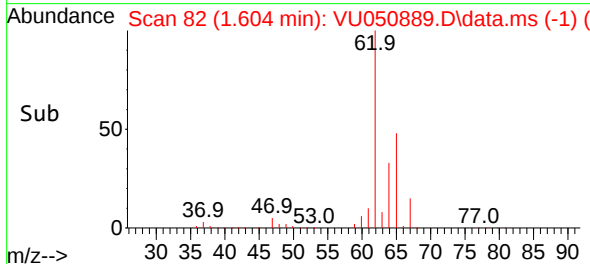
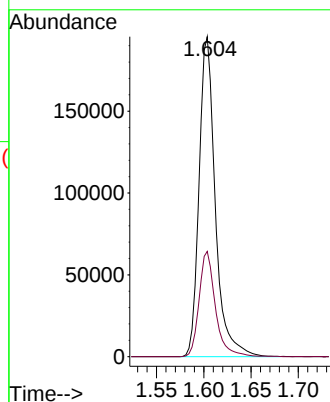
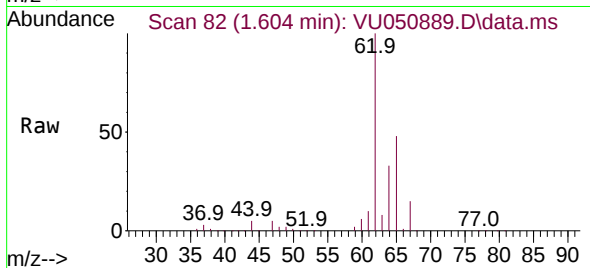
VSTD050091

Tgt Ion: 62 Resp: 233299

Ion Ratio Lower Upper

62 100

64 32.9 22.2 41.2



#6

Bromomethane

Concen: 58.526 ug/L

RT: 1.851 min Scan# 159

Delta R.T. 0.010 min

Lab File: VU050889.D

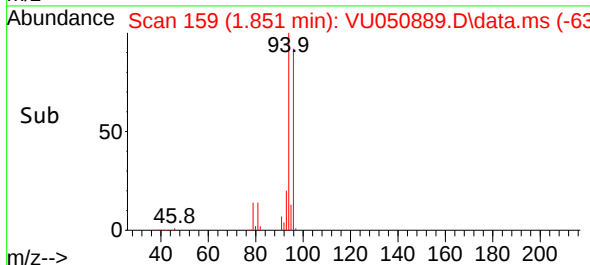
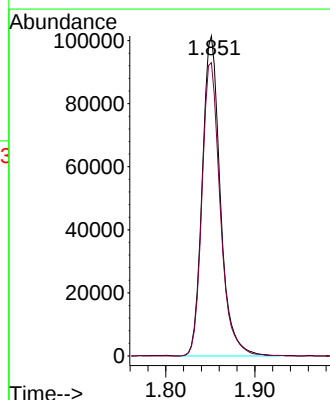
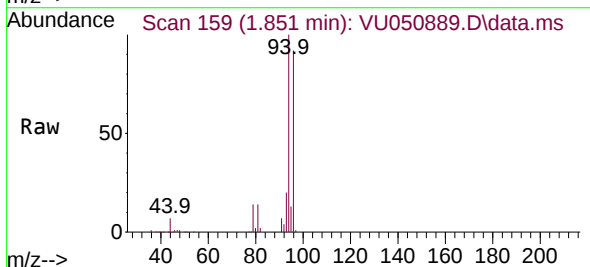
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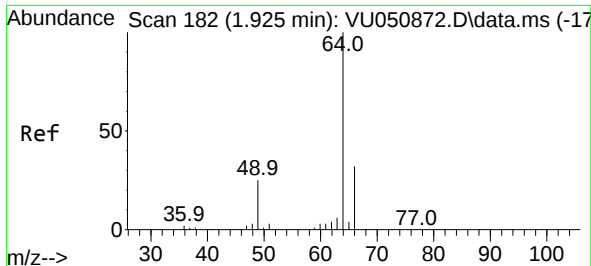
Tgt Ion: 94 Resp: 142915

Ion Ratio Lower Upper

94 100

96 91.6 64.0 119.0

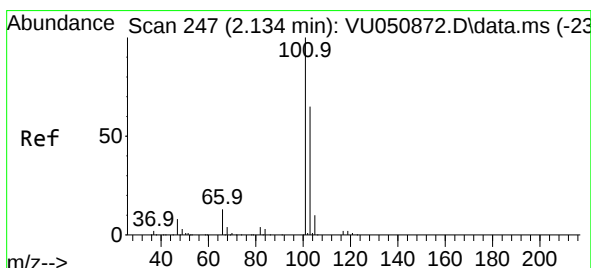
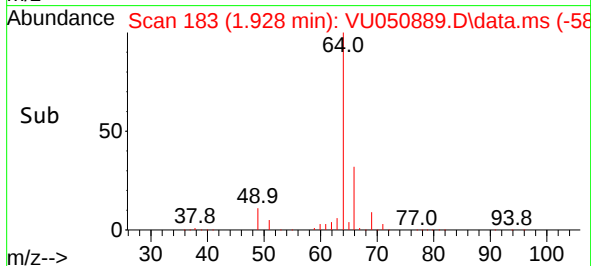
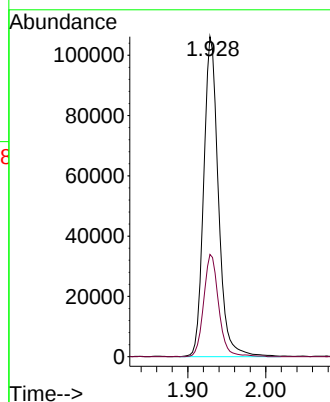
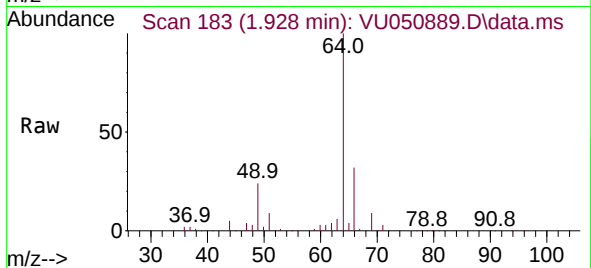




#8
Chloroethane
Concen: 52.230 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

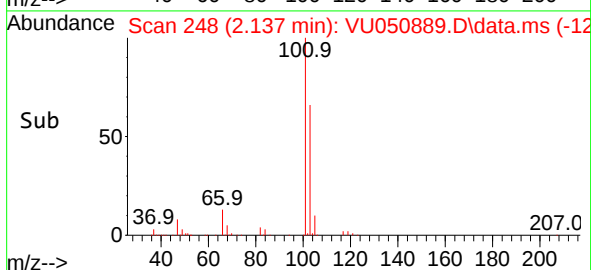
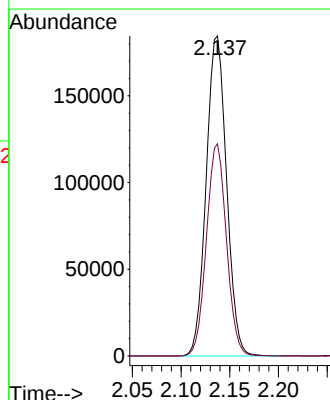
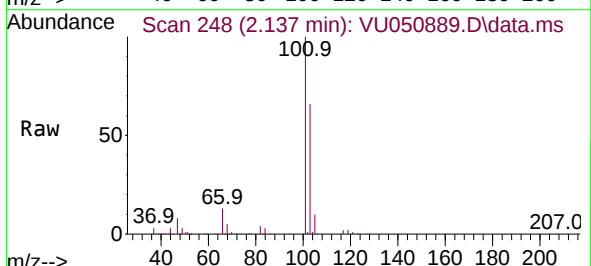
Instrument :
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ClientSampleId :
VSTD050091

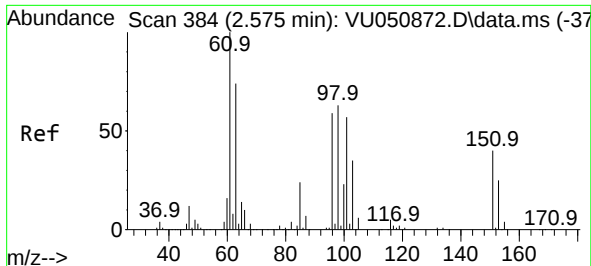
Tgt Ion: 64 Resp: 139779
Ion Ratio Lower Upper
64 100
66 31.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.247 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion:101 Resp: 268689
Ion Ratio Lower Upper
101 100
103 65.1 50.9 76.3

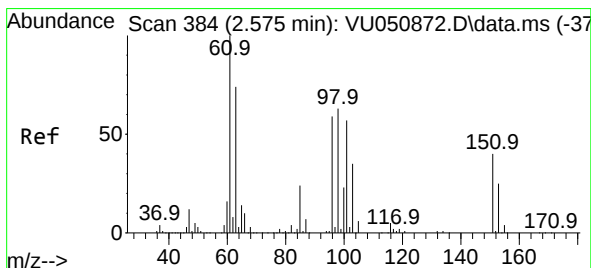
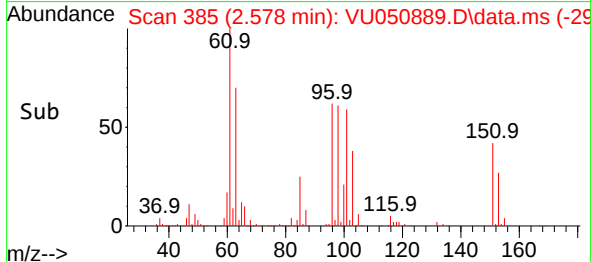
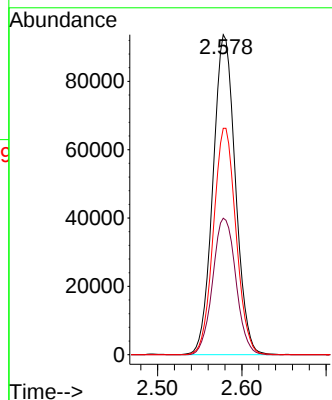
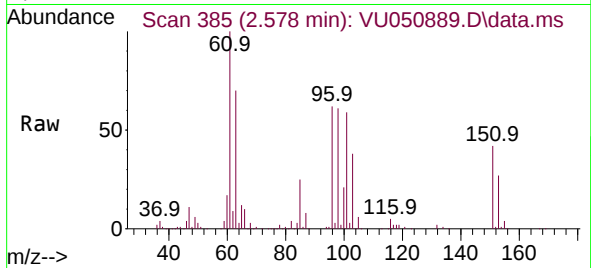




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.605 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050889.D
 Acq: 22 Sep 2022 10:49

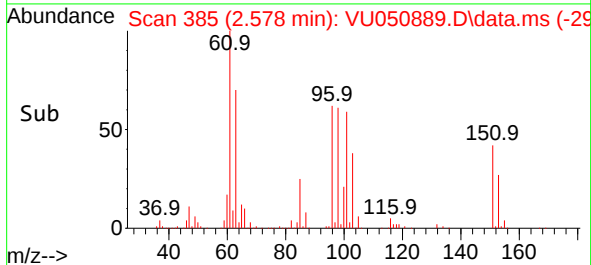
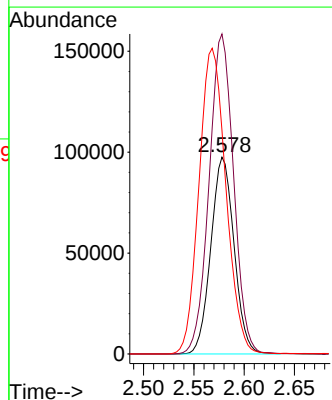
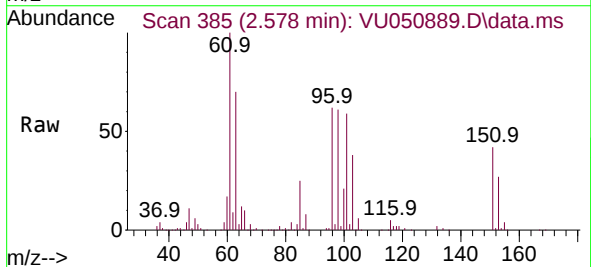
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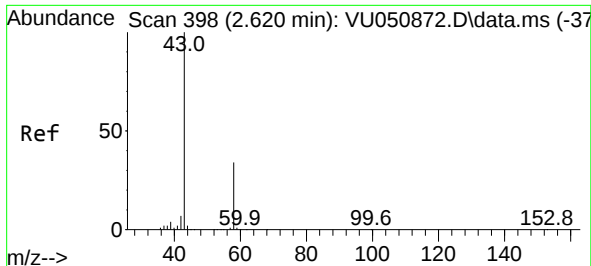
Tgt Ion: 101 Resp: 173179
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.1 52.7
 151 71.2 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 49.609 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050889.D
 Acq: 22 Sep 2022 10:49

Tgt Ion: 96 Resp: 156426
 Ion Ratio Lower Upper
 96 100
 61 162.5 118.6 220.2
 63 113.6 90.4 168.0





#13

Acetone

Concen: 96.615 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

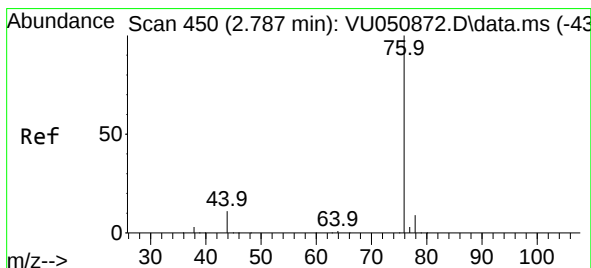
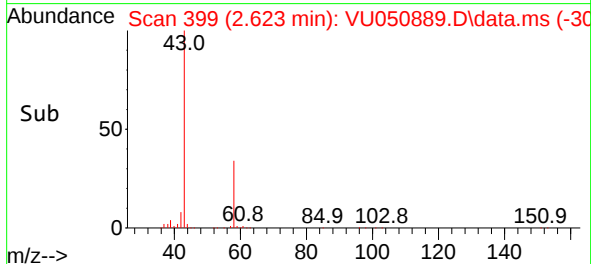
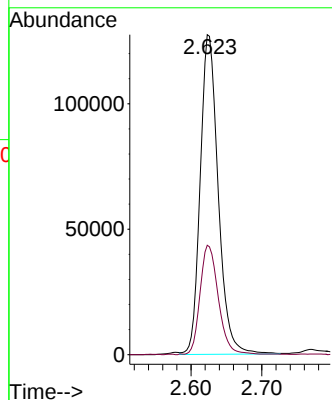
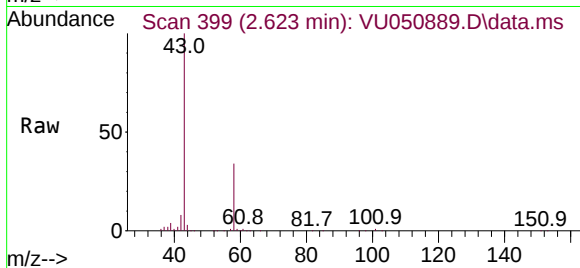
VSTD050091

Tgt Ion: 43 Resp: 224433

Ion Ratio Lower Upper

43 100

58 34.5 0.0 71.4



#14

Carbon disulfide

Concen: 48.782 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050889.D

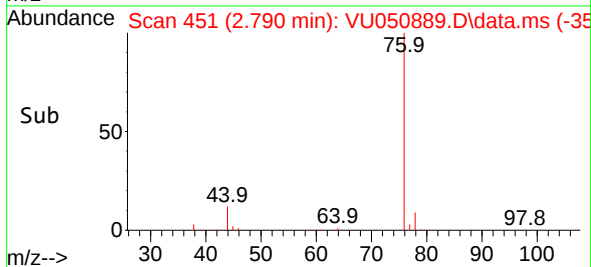
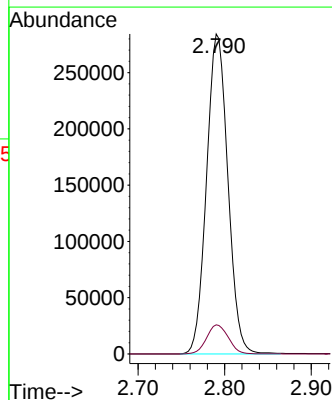
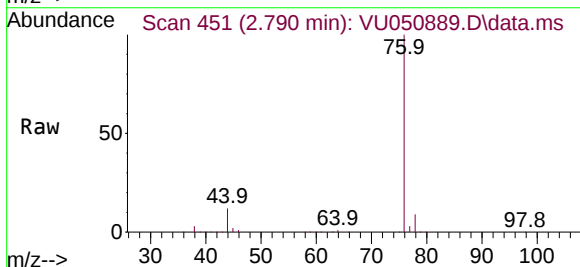
Acq: 22 Sep 2022 10:49

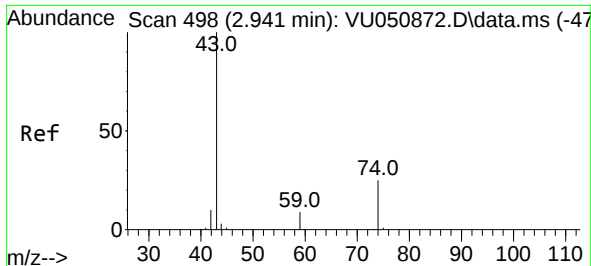
Tgt Ion: 76 Resp: 486398

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

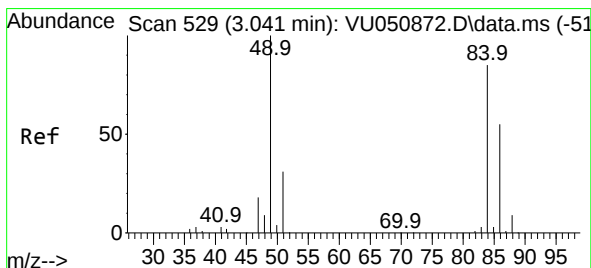
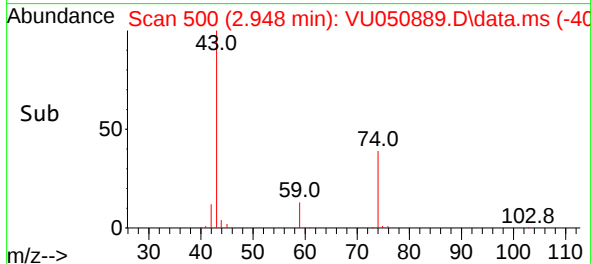
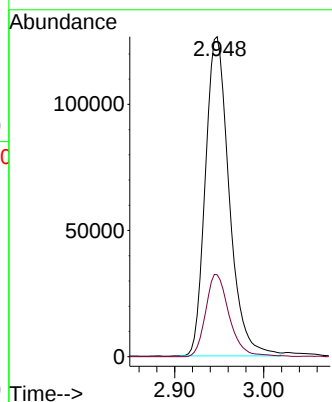
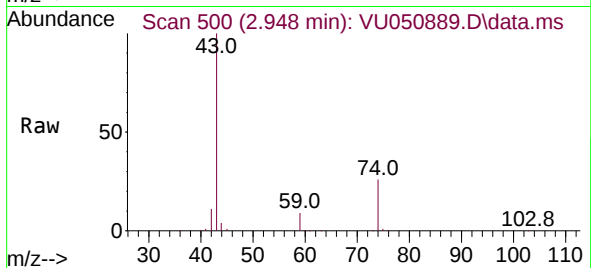




#15
Methyl Acetate
Concen: 53.522 ug/L
RT: 2.948 min Scan# 50
Delta R.T. 0.006 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

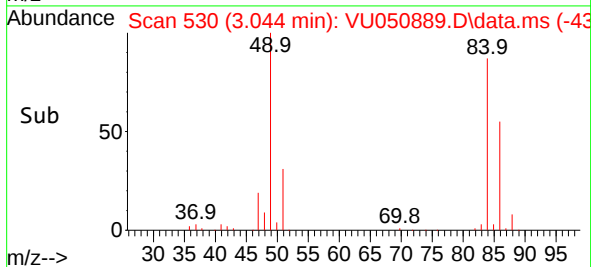
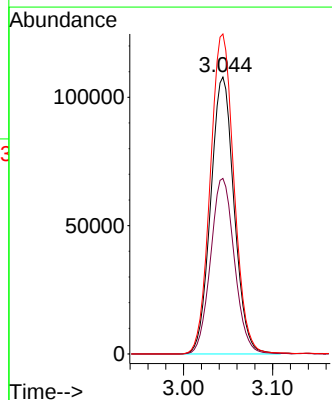
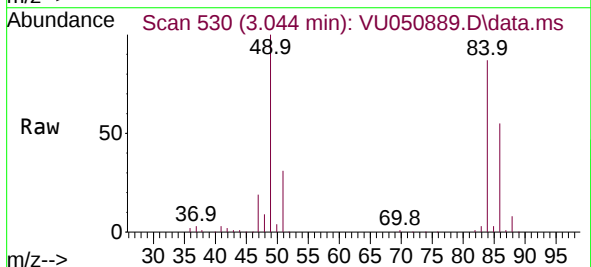
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

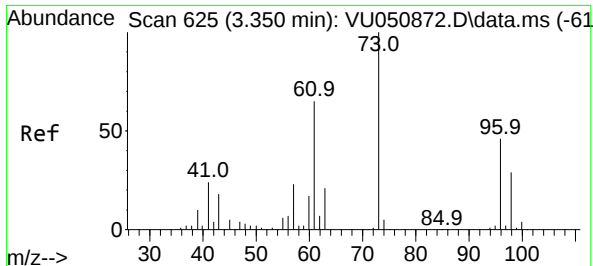
Tgt Ion: 43 Resp: 234630
Ion Ratio Lower Upper
43 100
74 25.5 19.9 29.9



#16
Methylene chloride
Concen: 45.074 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 84 Resp: 197346
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.5
49 115.6 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 51.125 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

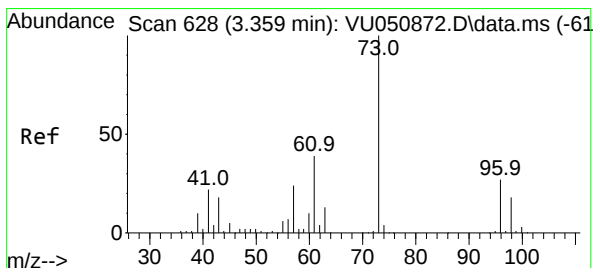
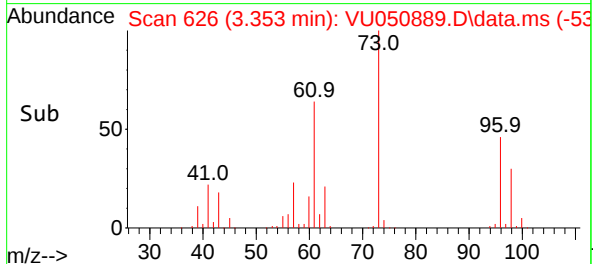
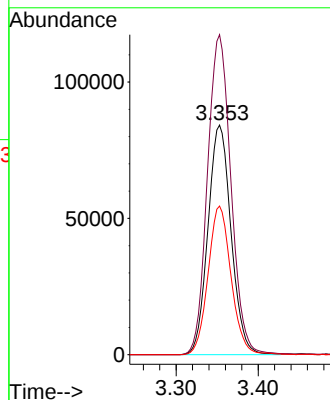
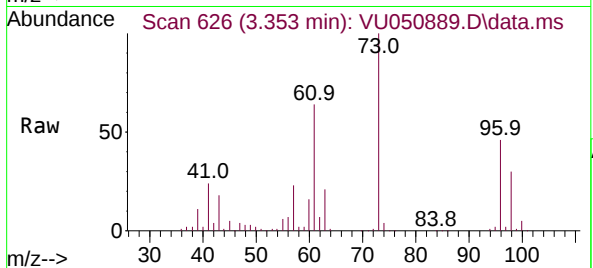
Tgt Ion: 96 Resp: 165227

Ion Ratio Lower Upper

96 100

61 139.4 98.0 182.0

98 64.8 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 52.482 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

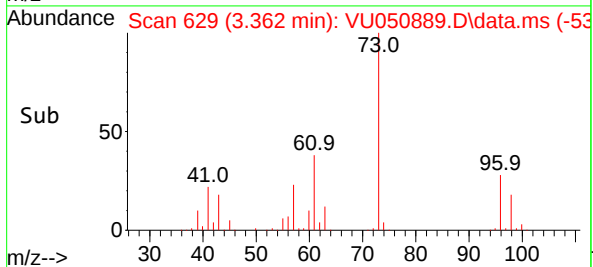
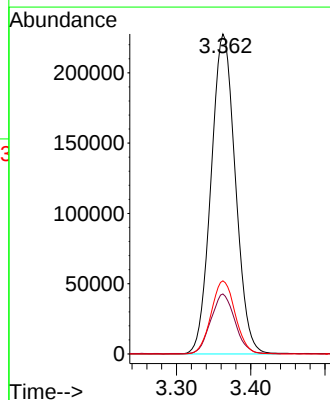
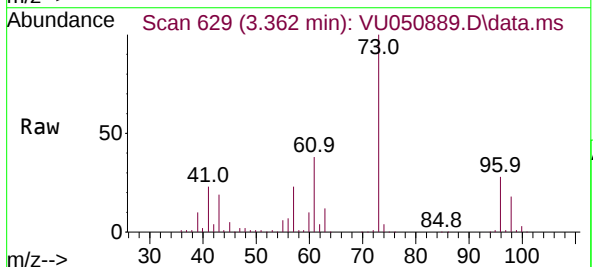
Tgt Ion: 73 Resp: 517065

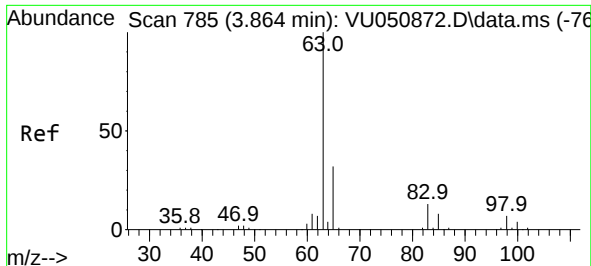
Ion Ratio Lower Upper

73 100

43 18.5 14.4 21.6

57 22.7 18.6 27.8





#19

1,1-Dichloroethane

Concen: 50.353 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

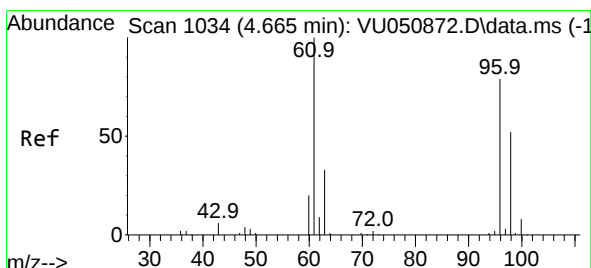
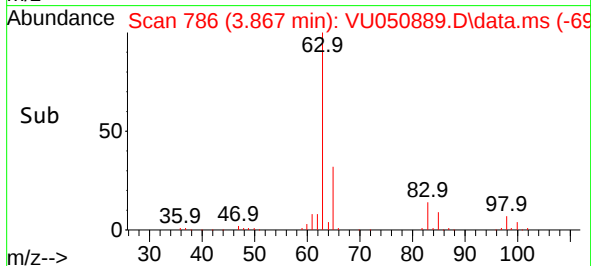
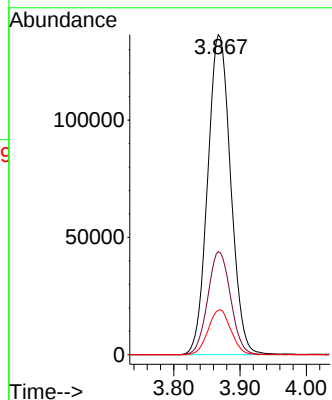
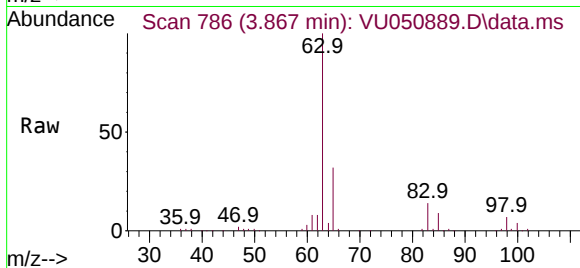
Tgt Ion: 63 Resp: 328817

Ion Ratio Lower Upper

63 100

65 32.2 21.5 39.9

83 13.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 51.765 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

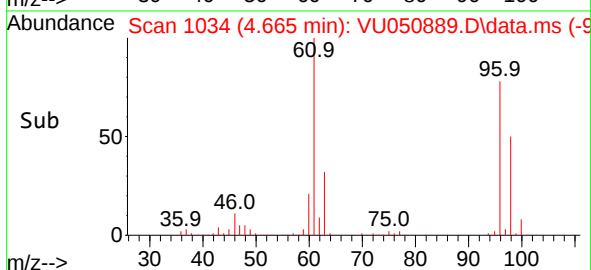
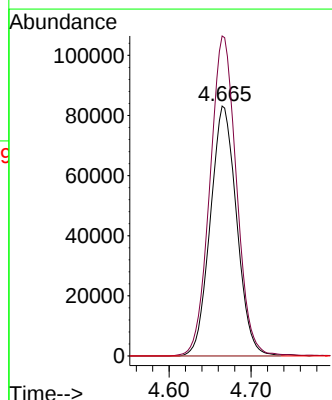
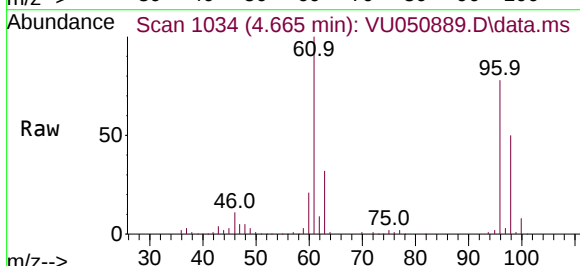
Tgt Ion: 96 Resp: 185495

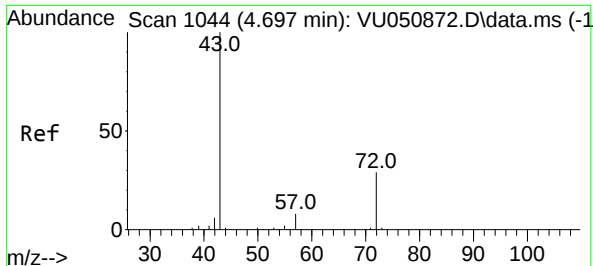
Ion Ratio Lower Upper

96 100

61 128.0 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 114.328 ug/L

RT: 4.700 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

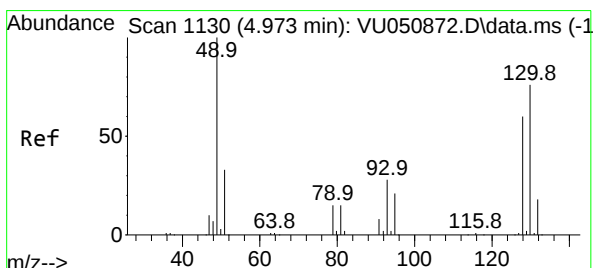
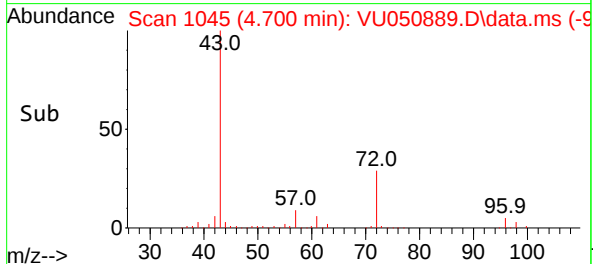
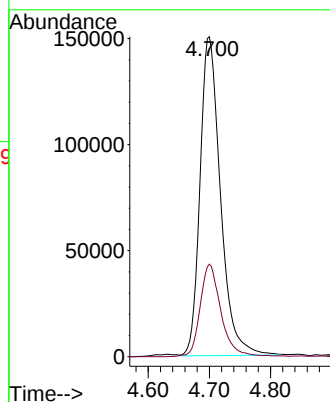
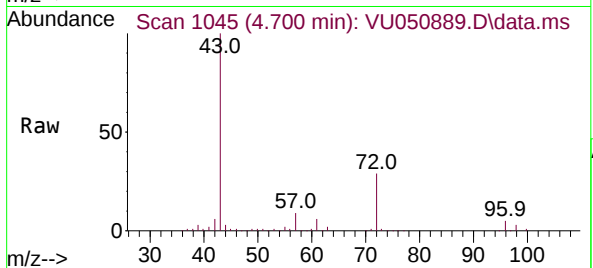
VSTD050091

Tgt Ion: 43 Resp: 350072

Ion Ratio Lower Upper

43 100

72 29.3 14.8 44.3



#23

Bromochloromethane

Concen: 52.720 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Tgt Ion:128 Resp: 99012

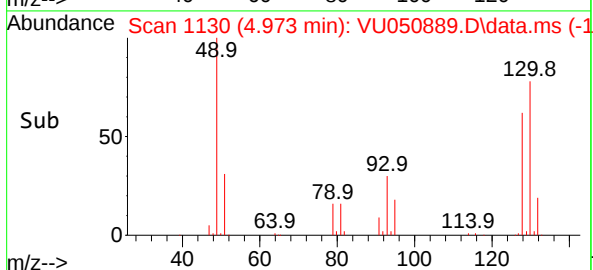
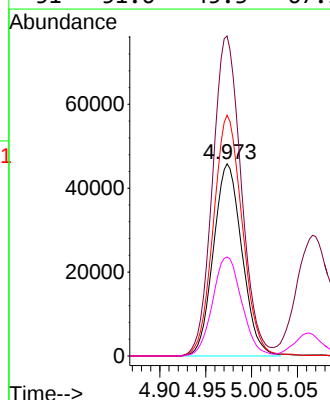
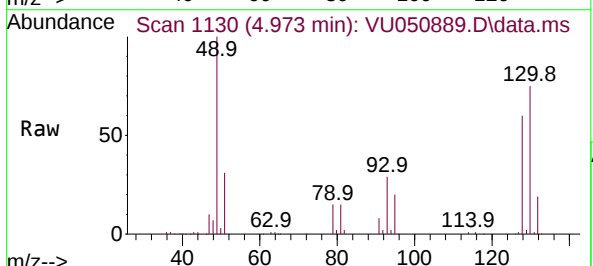
Ion Ratio Lower Upper

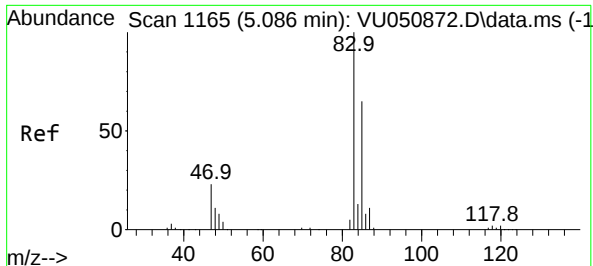
128 100

49 166.6 123.1 228.5

130 125.3 90.9 168.7

51 51.6 45.3 67.9





#25

Chloroform

Concen: 52.132 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

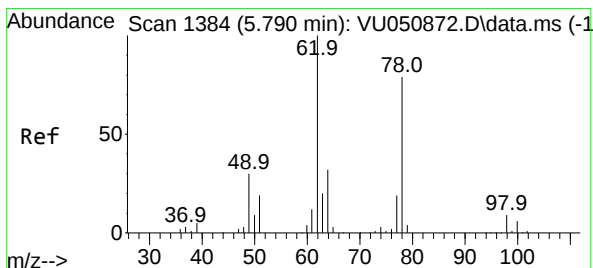
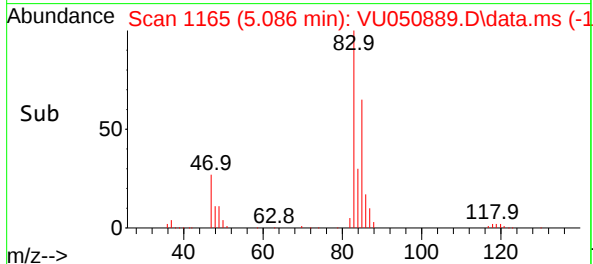
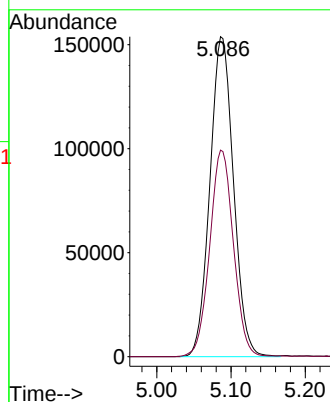
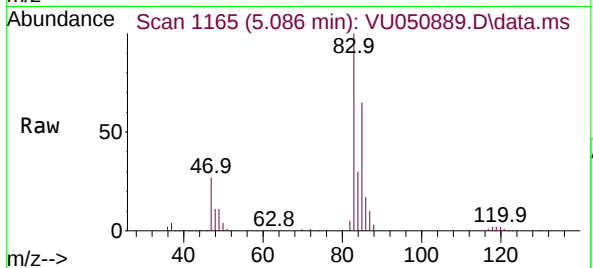
VSTD050091

Tgt Ion: 83 Resp: 339277

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 52.446 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU050889.D

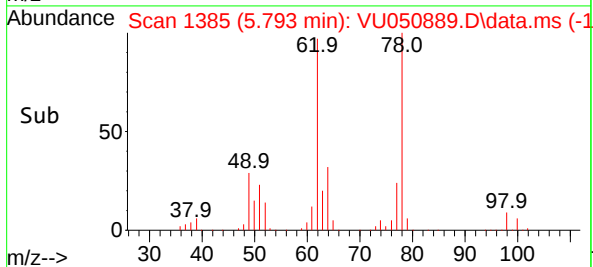
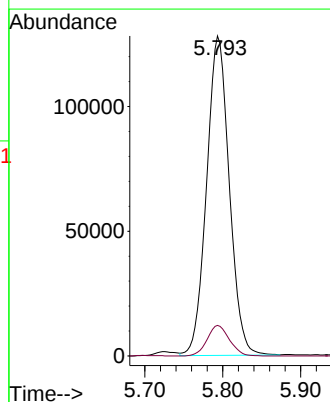
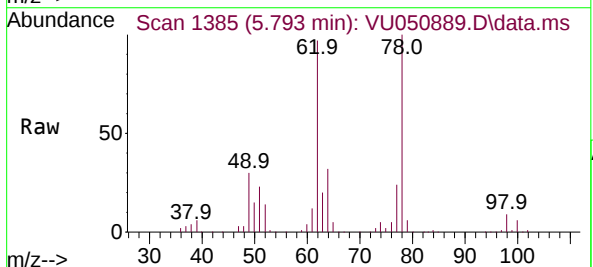
Acq: 22 Sep 2022 10:49

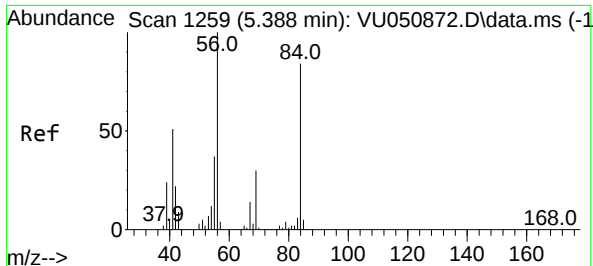
Tgt Ion: 62 Resp: 259391

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 49.964 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

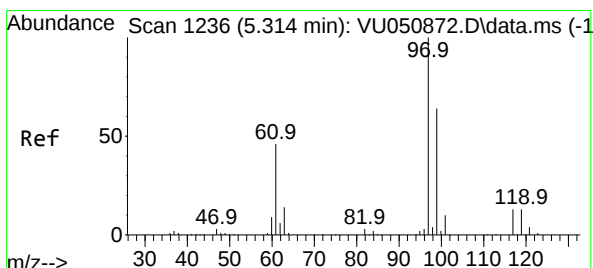
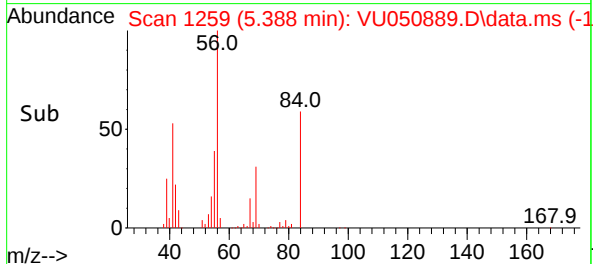
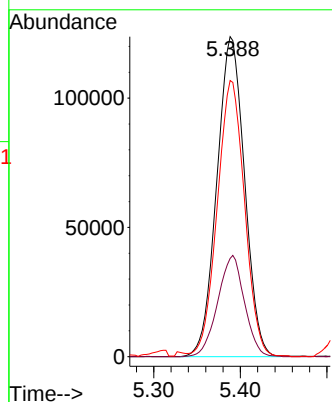
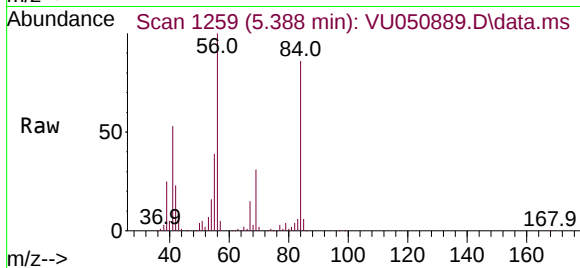
Tgt Ion: 56 Resp: 274795

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.4

84 84.5 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 51.606 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

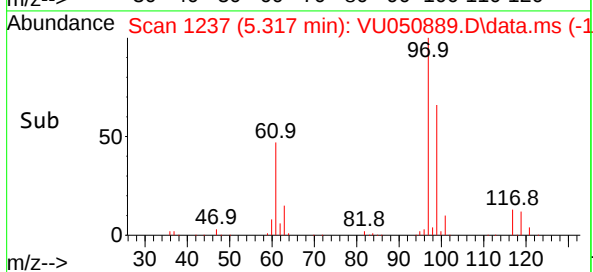
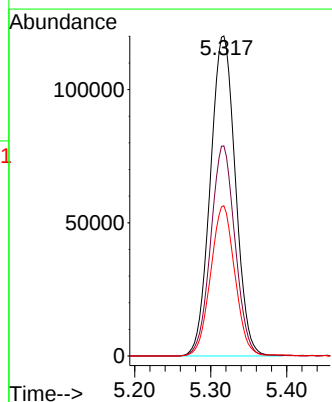
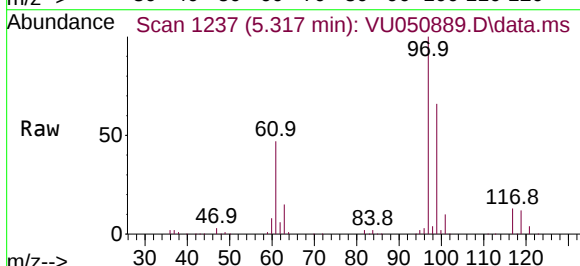
Tgt Ion: 97 Resp: 274386

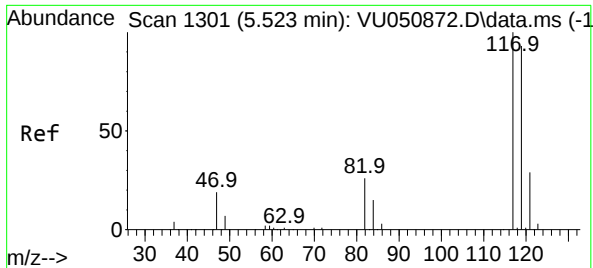
Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

61 45.5 37.1 55.7

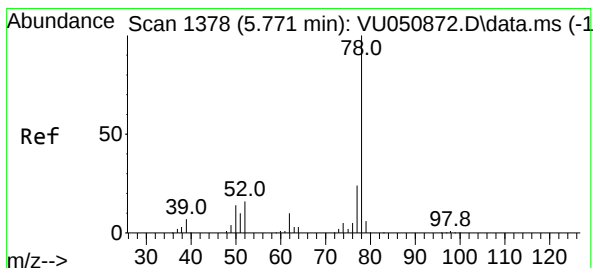
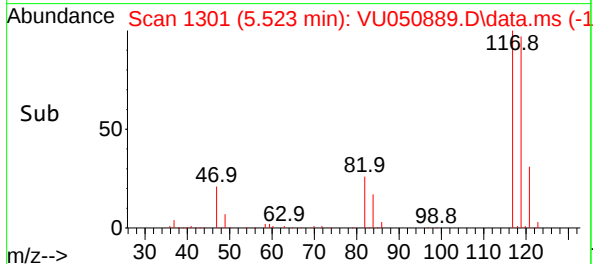
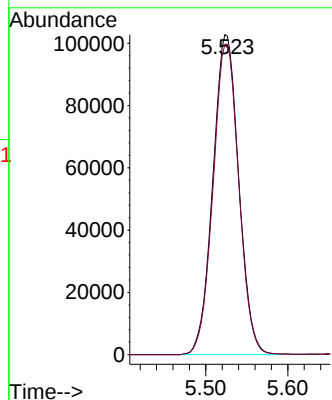
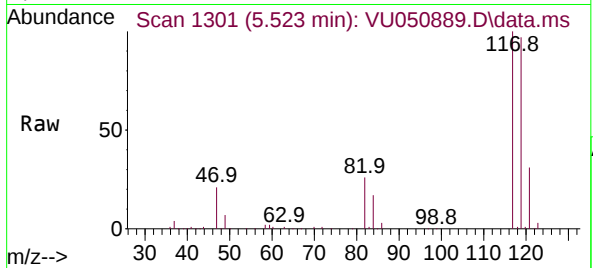




#31
Carbon tetrachloride
Concen: 51.035 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

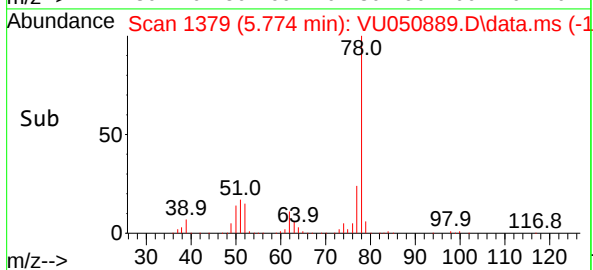
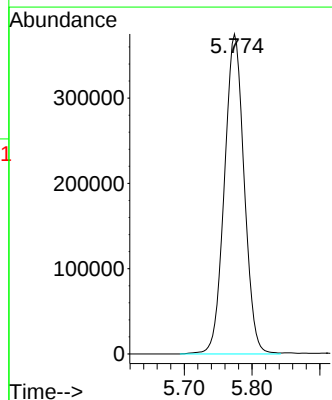
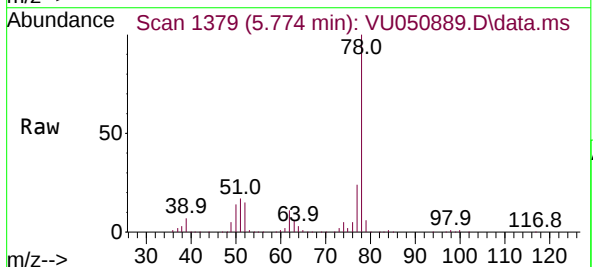
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

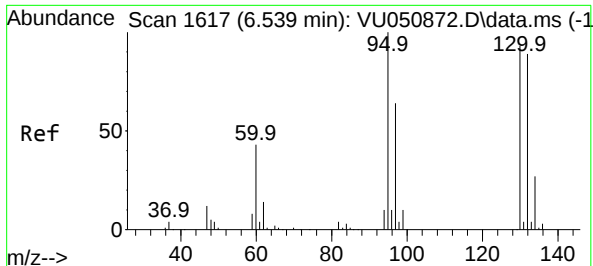
Tgt Ion:117 Resp: 225419
Ion Ratio Lower Upper
117 100
119 96.6 76.0 114.0



#33
Benzene
Concen: 51.628 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 78 Resp: 759334

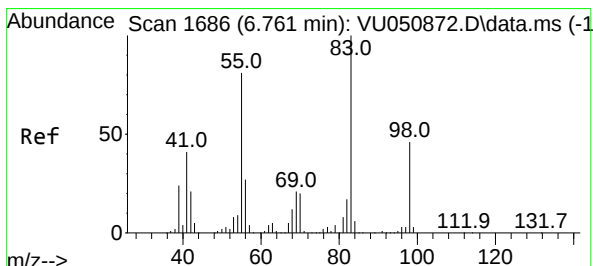
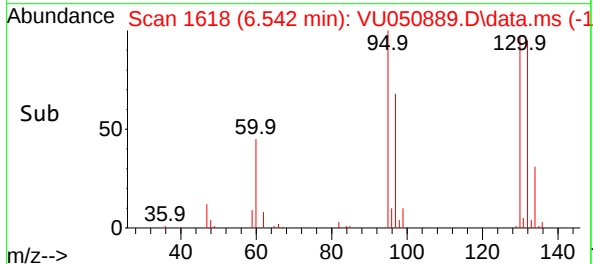
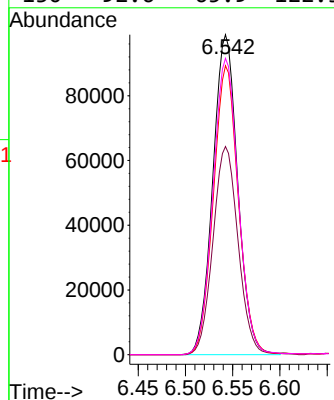
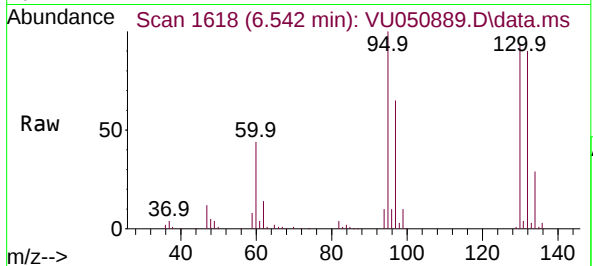




#34
Trichloroethene
Concen: 53.052 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

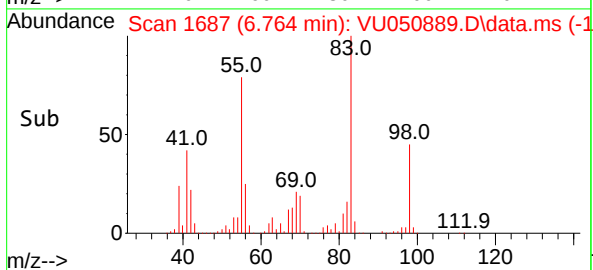
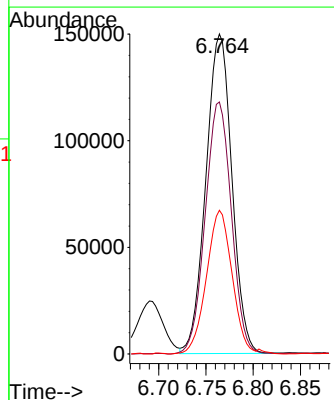
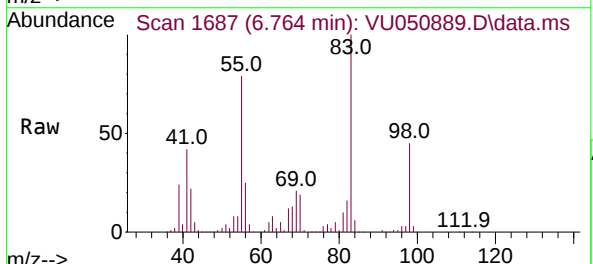
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

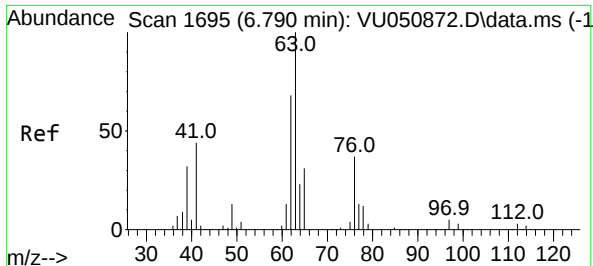
Tgt Ion: 95 Resp: 181250
Ion Ratio Lower Upper
95 100
97 65.0 43.9 81.5
132 90.3 63.1 117.1
130 92.6 65.9 122.3



#35
Methylcyclohexane
Concen: 52.184 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 83 Resp: 287262
Ion Ratio Lower Upper
83 100
55 79.3 64.7 97.1
98 44.1 35.2 52.8





#37

1,2-Dichloropropane

Concen: 51.154 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

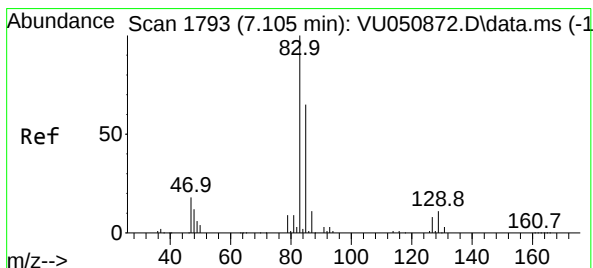
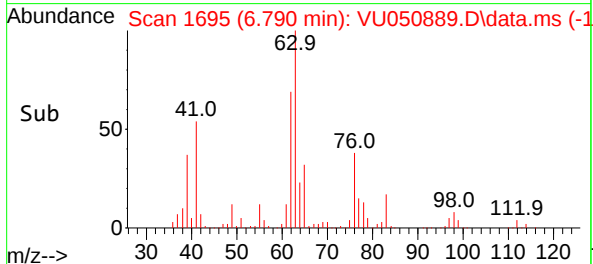
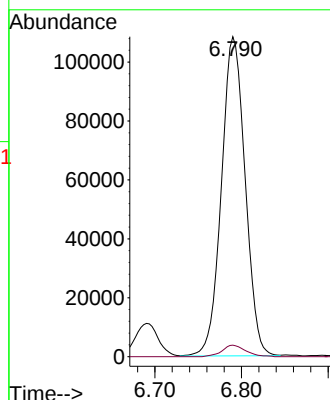
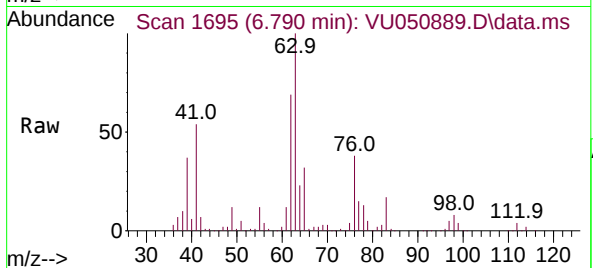
VSTD050091

Tgt Ion: 63 Resp: 205878

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 52.712 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

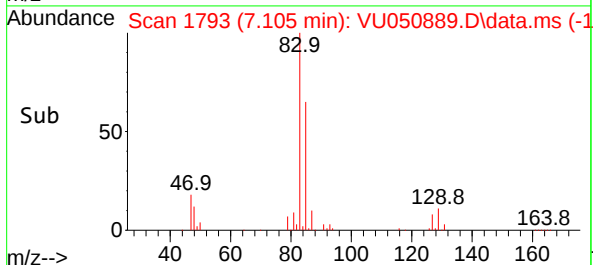
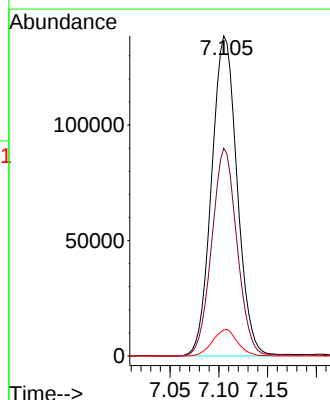
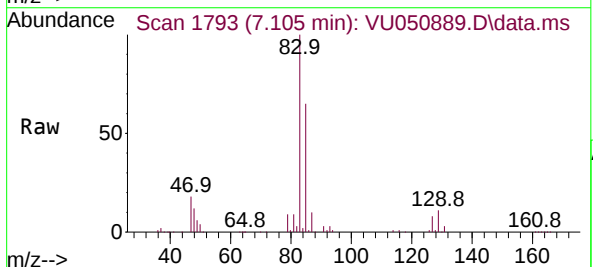
Tgt Ion: 83 Resp: 252764

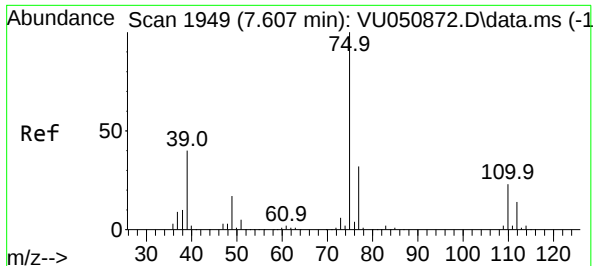
Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

127 8.1 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 51.977 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

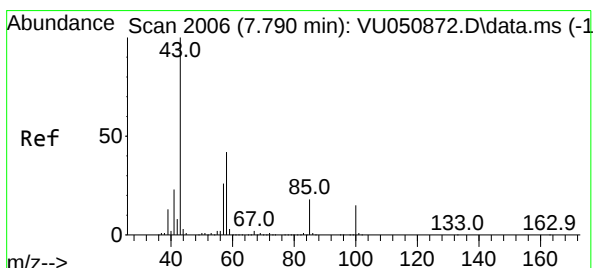
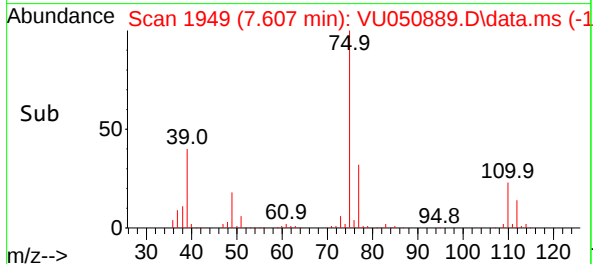
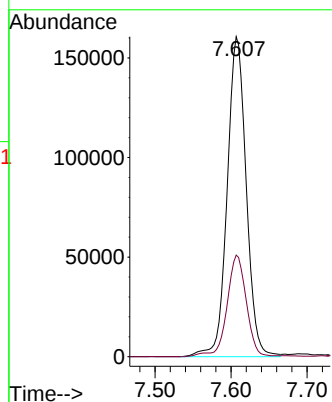
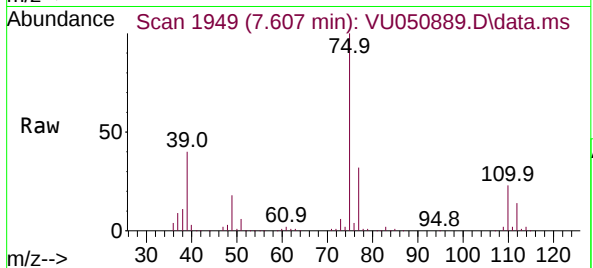
VSTD050091

Tgt Ion: 75 Resp: 279934

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 112.515 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

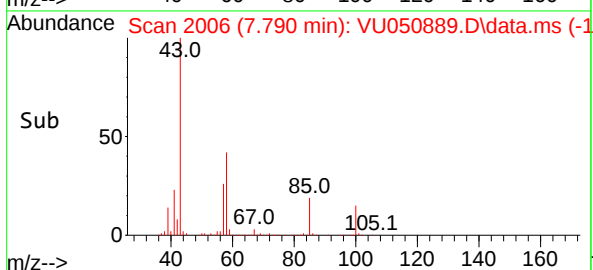
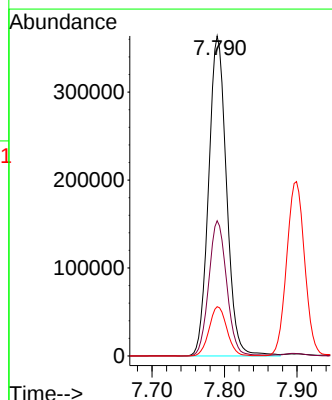
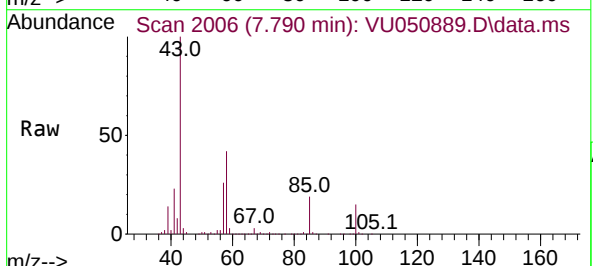
Tgt Ion: 43 Resp: 624070

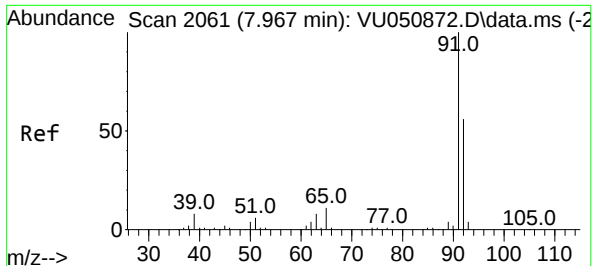
Ion Ratio Lower Upper

43 100

58 42.2 33.8 50.6

100 15.4 12.0 18.0

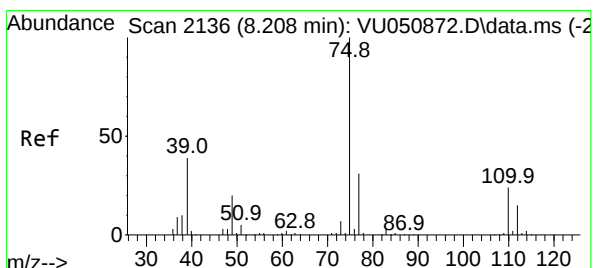
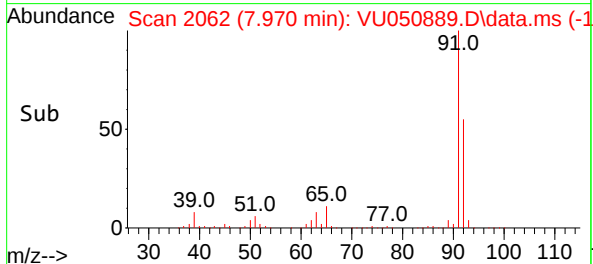
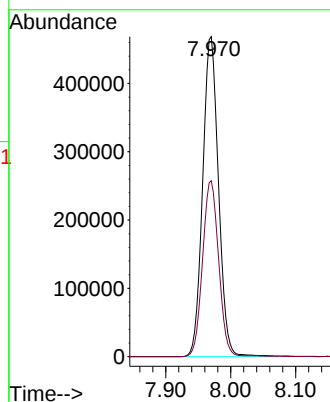
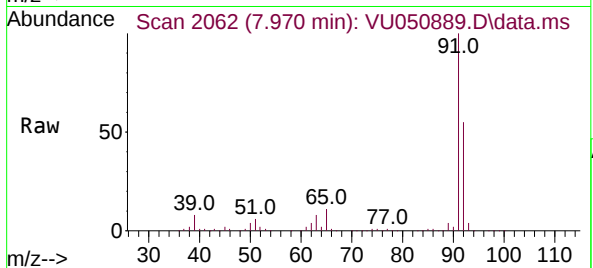




#42
Toluene
Concen: 54.521 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

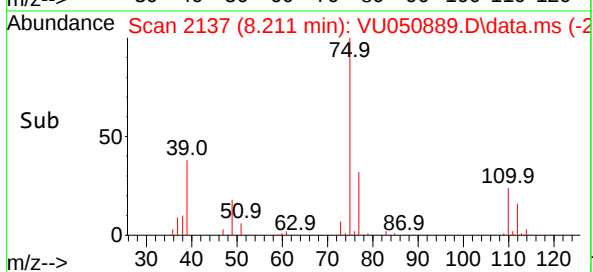
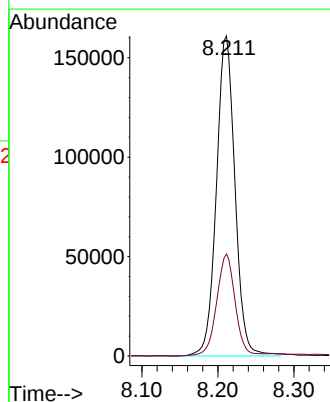
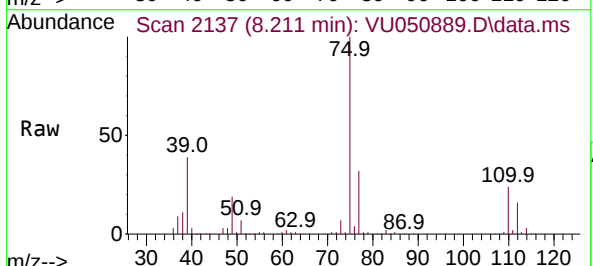
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

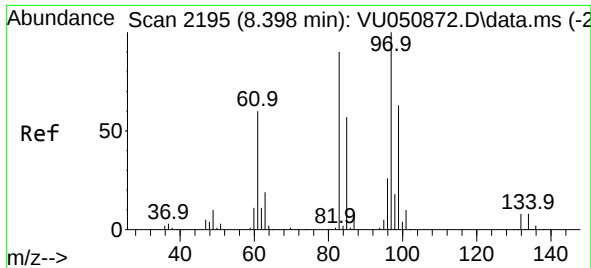
Tgt Ion: 91 Resp: 796043
Ion Ratio Lower Upper
91 100
92 55.0 39.1 72.5



#44
trans-1,3-Dichloropropene
Concen: 53.318 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 75 Resp: 273166
Ion Ratio Lower Upper
75 100
77 31.9 21.9 40.7



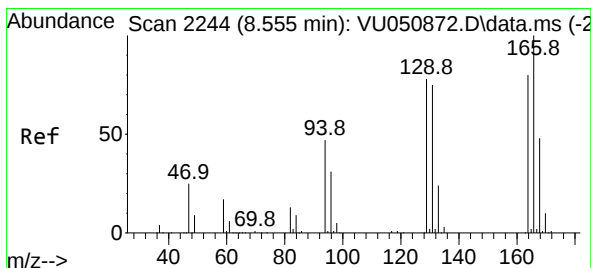
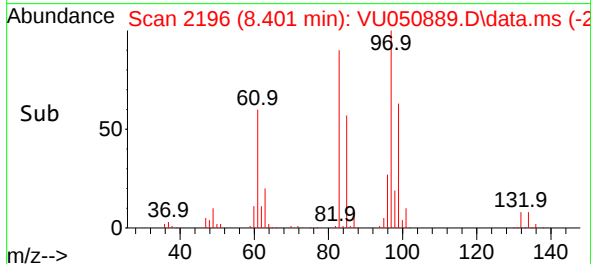
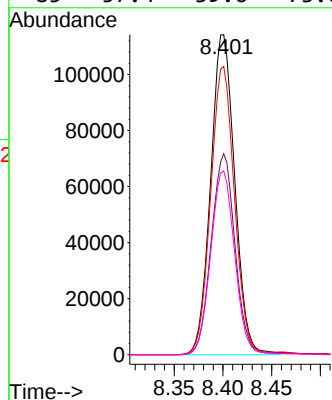
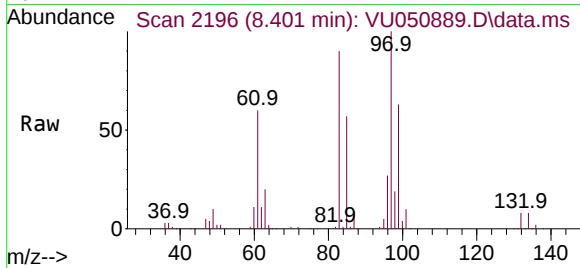


#45
1,1,2-Trichloroethane
Concen: 53.001 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion: 97 Resp: 196576

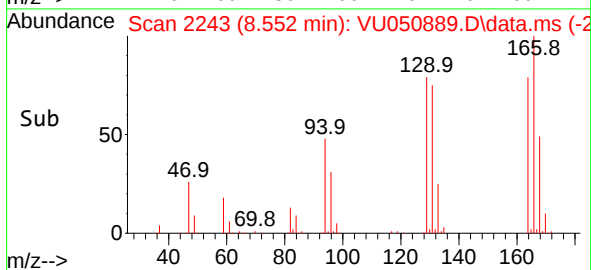
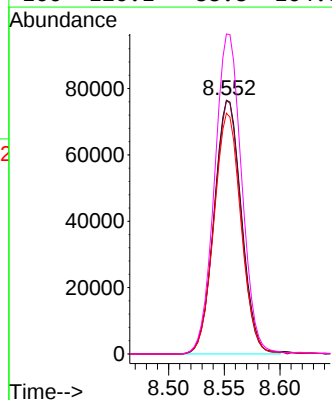
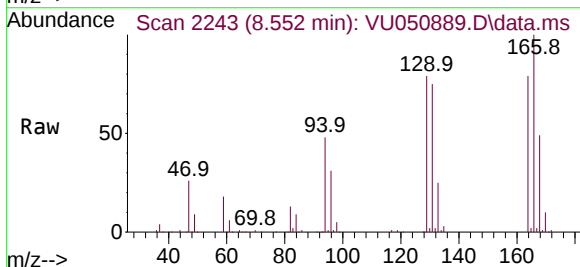
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.4
83	90.0	62.6	116.3
85	57.4	39.6	73.6

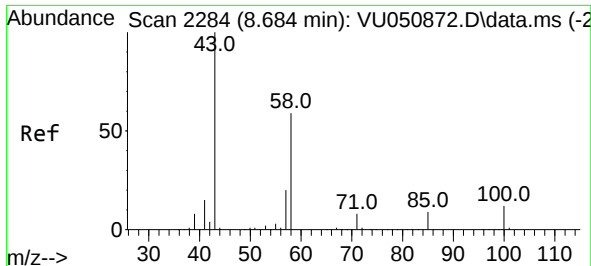


#46
Tetrachloroethene
Concen: 53.303 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 164 Resp: 130864

Ion	Ratio	Lower	Upper
164	100		
129	99.8	68.5	127.3
131	94.9	66.1	122.7
166	126.1	88.8	164.8



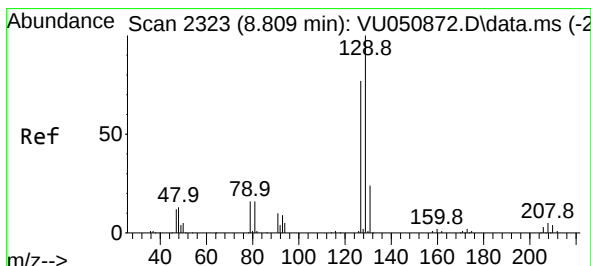
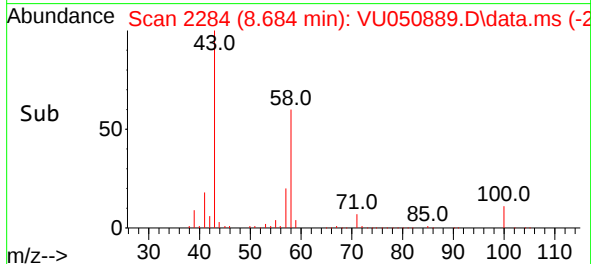
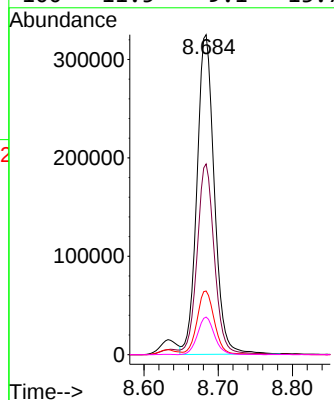
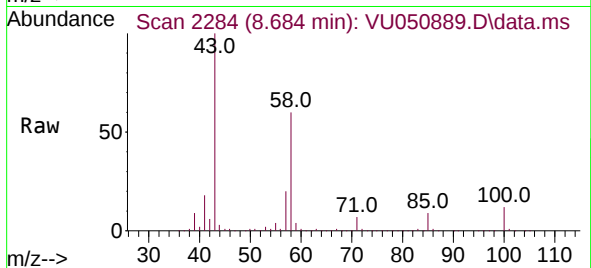


#48
2-Hexanone
Concen: 114.088 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion: 43 Resp: 528764

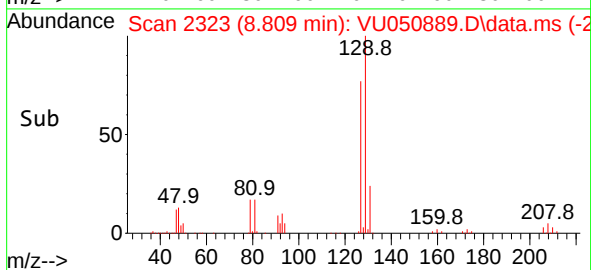
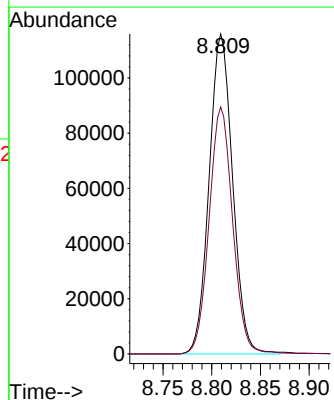
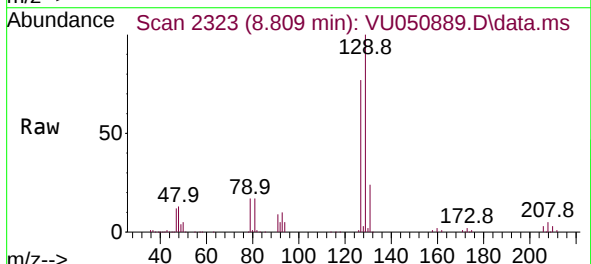
Ion	Ratio	Lower	Upper
43	100		
58	58.6	47.2	70.8
57	19.8	16.2	24.4
100	11.5	9.1	13.7

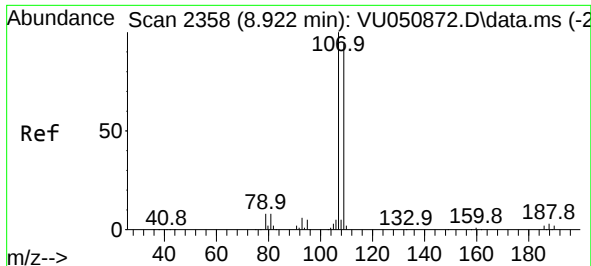


#49
Dibromochloromethane
Concen: 53.489 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 129 Resp: 194520

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.5	101.1





#50

1,2-Dibromoethane

Concen: 53.487 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

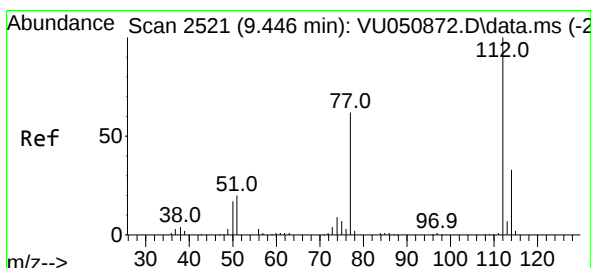
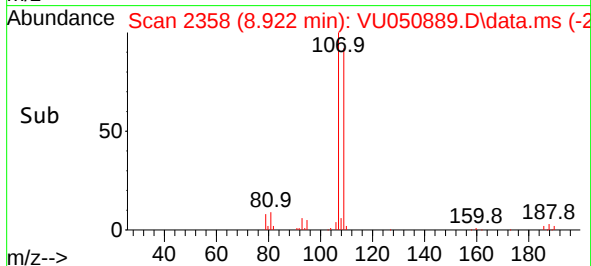
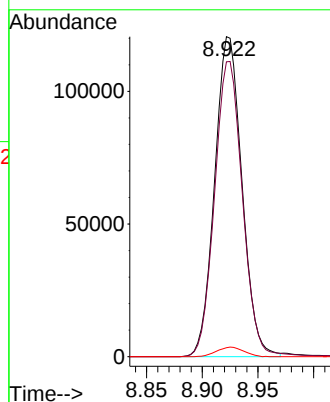
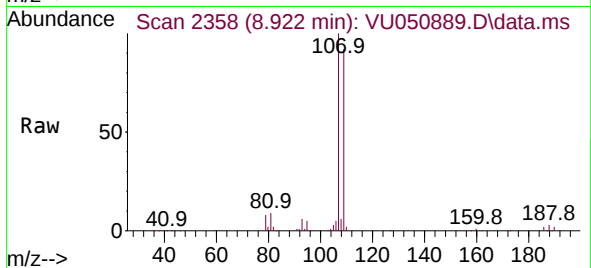
Tgt Ion:107 Resp: 205824

Ion Ratio Lower Upper

107 100

109 92.2 66.0 122.6

188 2.8 2.5 3.7



#51

Chlorobenzene

Concen: 51.267 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

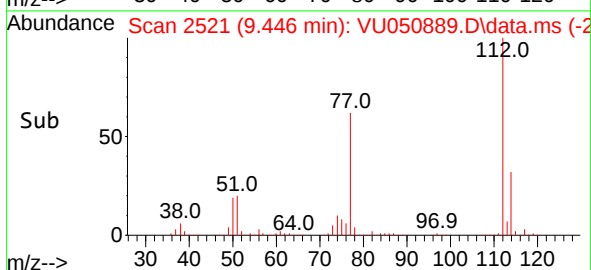
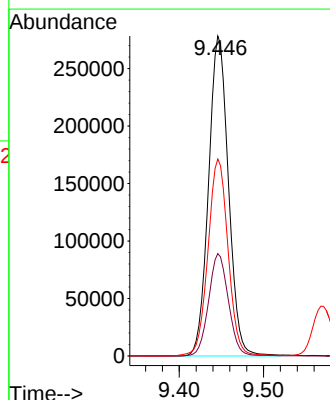
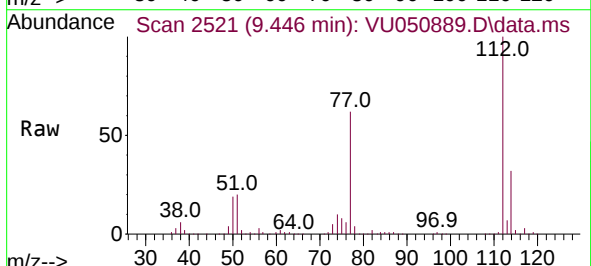
Tgt Ion:112 Resp: 456984

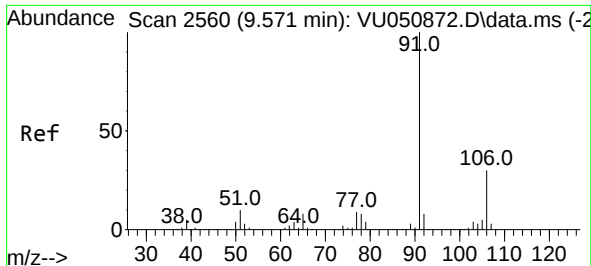
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 61.6 49.8 74.8

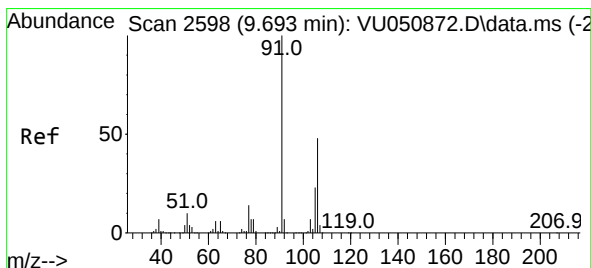
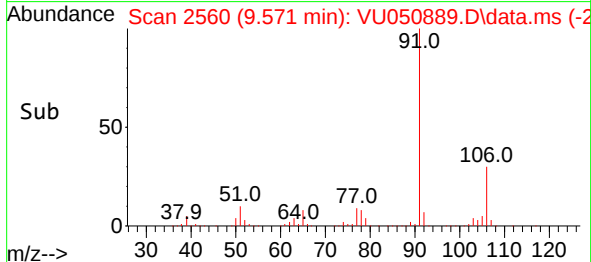
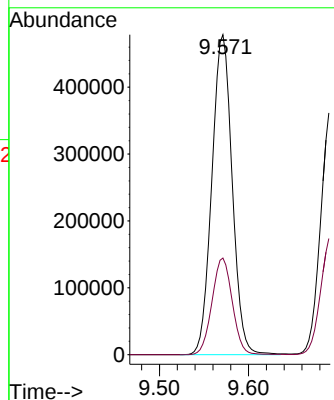
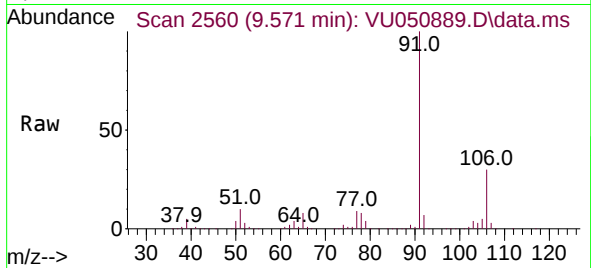




#52
Ethylbenzene
Concen: 52.069 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

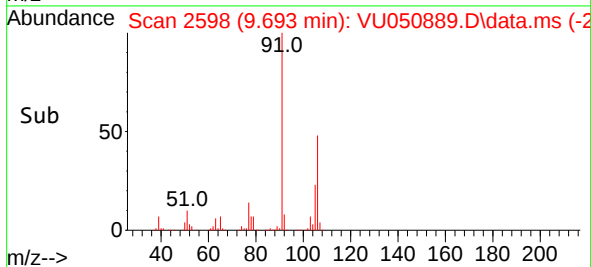
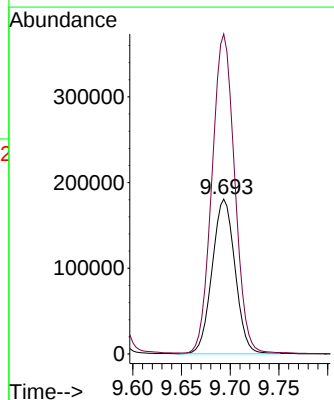
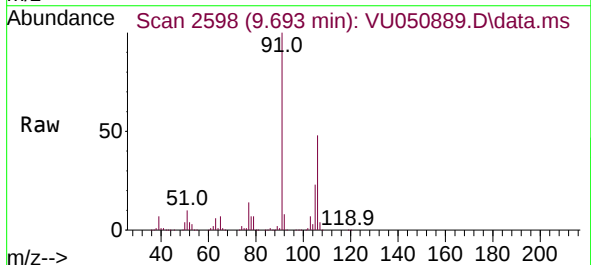
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

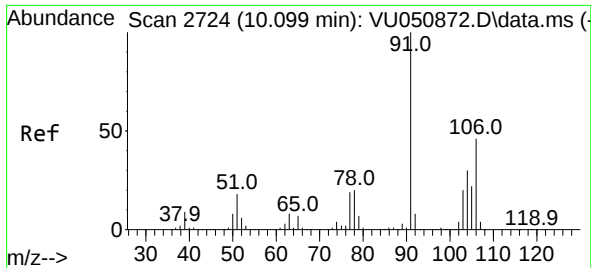
Tgt Ion: 91 Resp: 758435
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 54.515 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 106 Resp: 295215
Ion Ratio Lower Upper
106 100
91 206.6 144.0 267.4

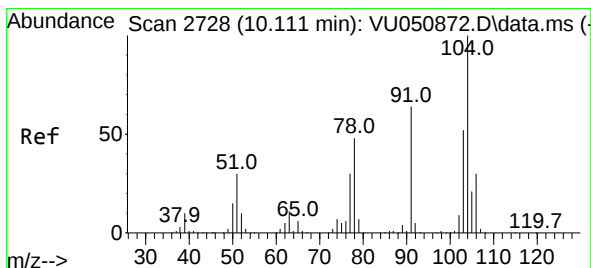
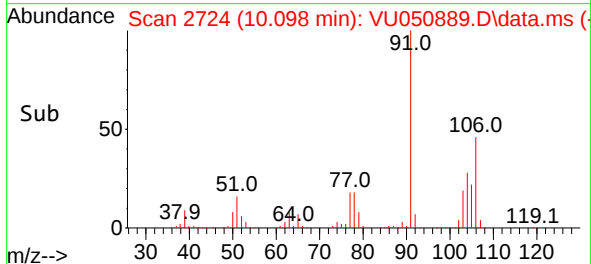
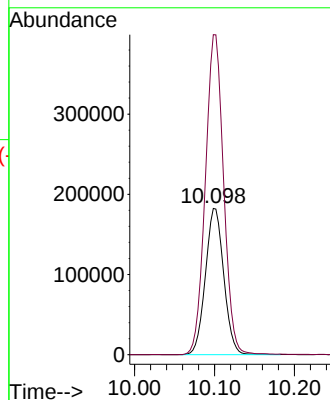
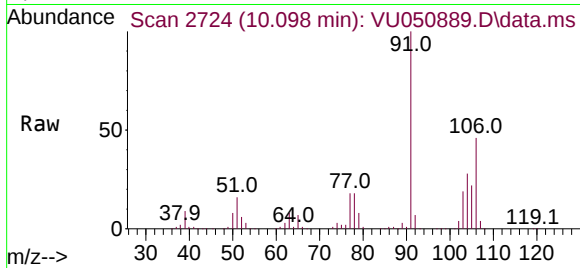




#54
o-Xylene
Concen: 54.003 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

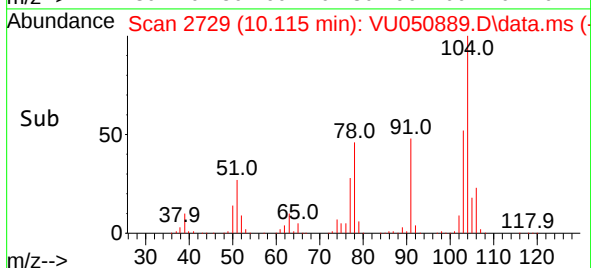
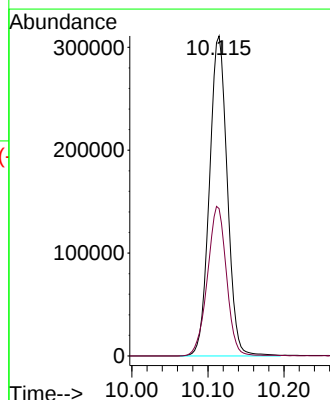
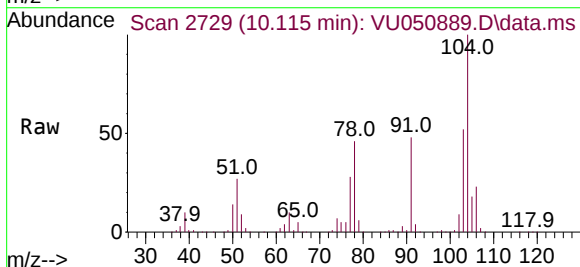
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

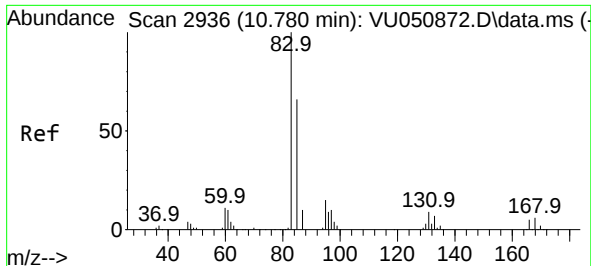
Tgt Ion:106 Resp: 291386
Ion Ratio Lower Upper
106 100
91 218.7 154.6 287.0



#55
Styrene
Concen: 54.821 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion:104 Resp: 507144
Ion Ratio Lower Upper
104 100
78 46.0 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.073 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

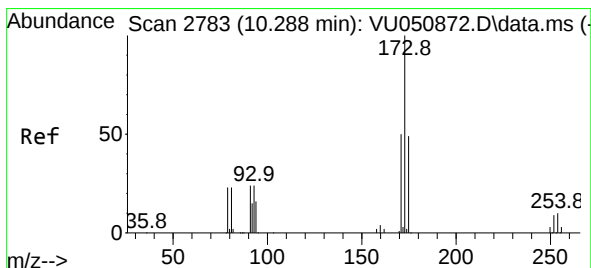
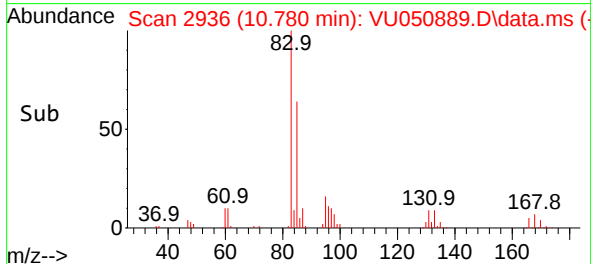
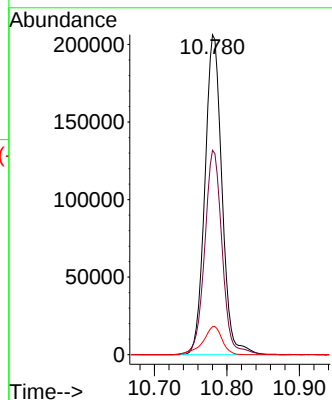
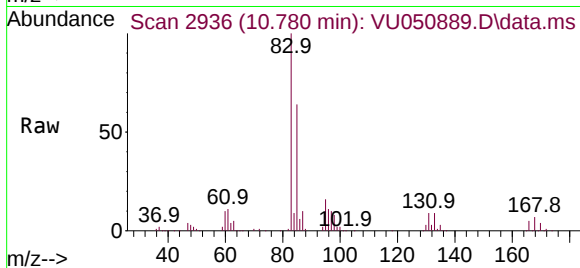
Tgt Ion: 83 Resp: 336783

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

131 8.7 7.1 10.7



#59

Bromoform

Concen: 51.313 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

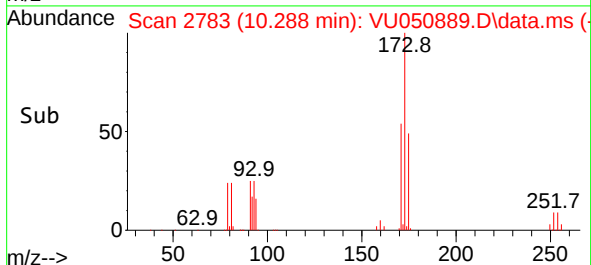
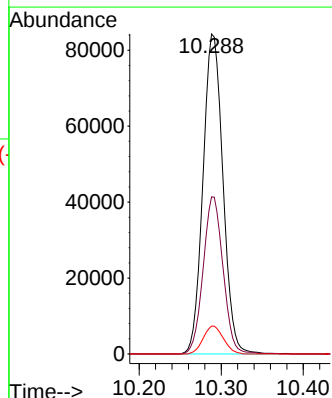
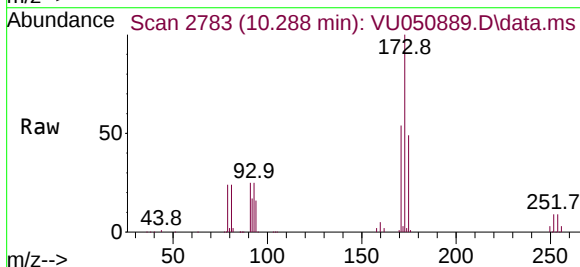
Tgt Ion:173 Resp: 142343

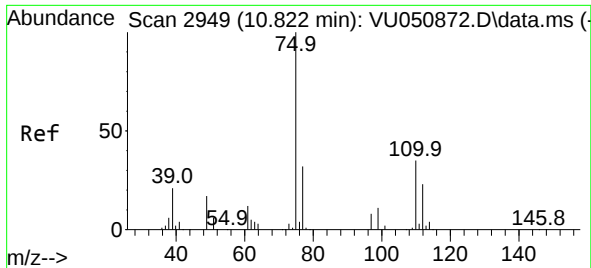
Ion Ratio Lower Upper

173 100

175 48.7 37.8 56.8

254 8.8 7.1 10.7

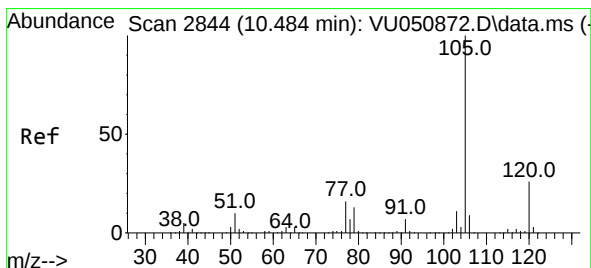
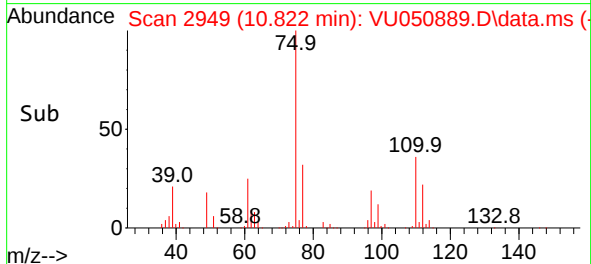
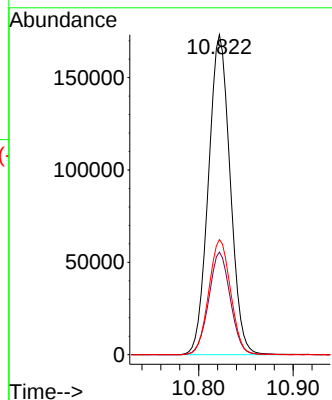
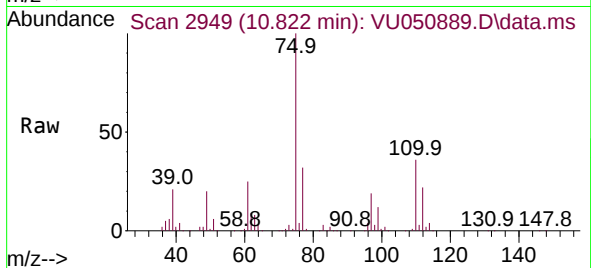




#60
1,2,3-Trichloropropane
Concen: 51.211 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

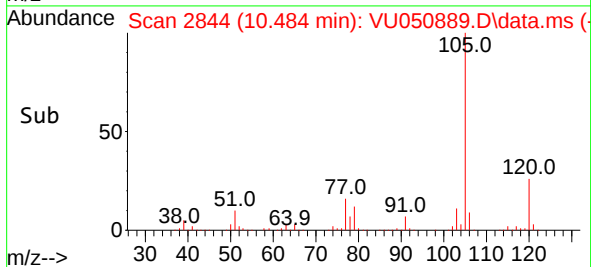
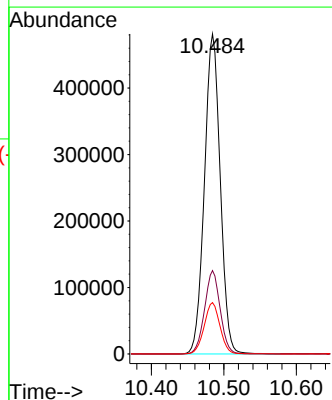
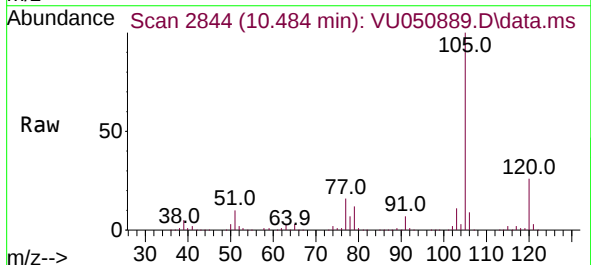
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

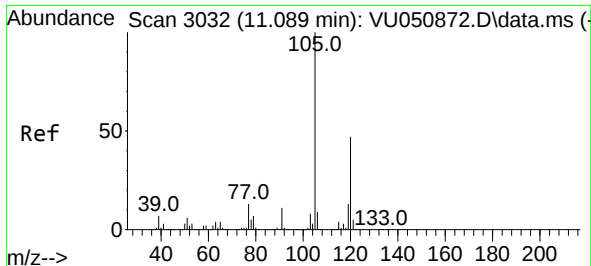
Tgt Ion: 75 Resp: 276845
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4
110 36.1 28.6 43.0



#61
Isopropylbenzene
Concen: 53.060 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion: 105 Resp: 728777
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7
77 16.0 12.9 19.3

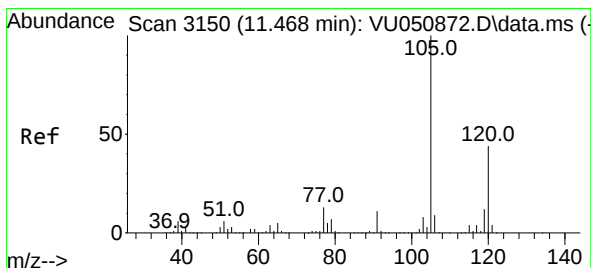
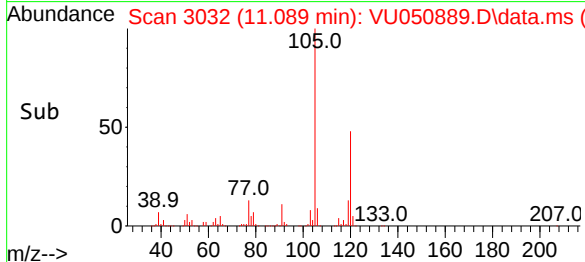
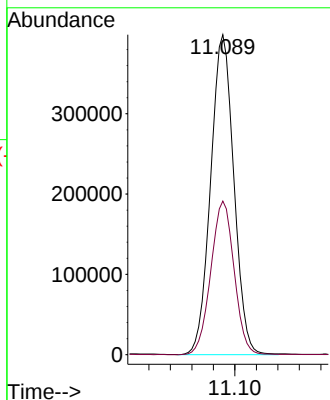
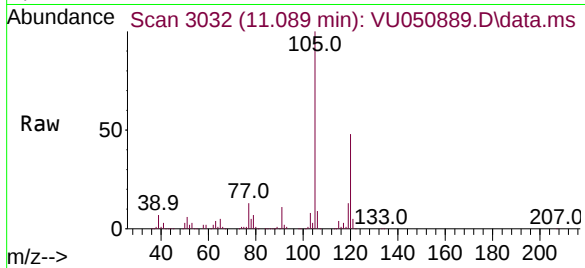




#62
 1,3,5-Trimethylbenzene
 Concen: 52.900 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU050889.D
 Acq: 22 Sep 2022 10:49

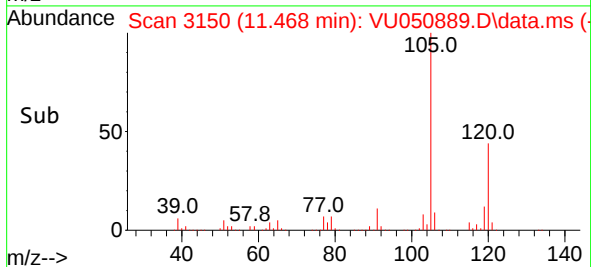
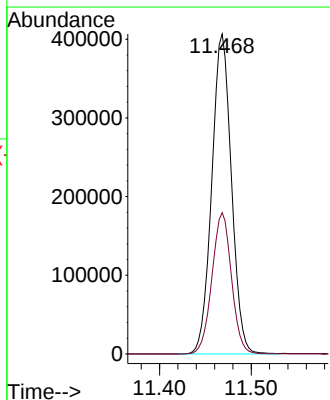
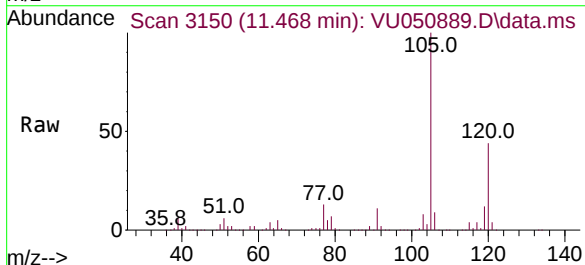
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

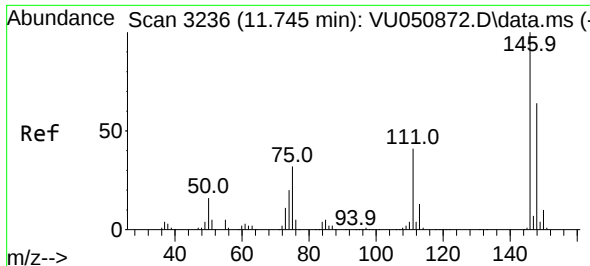
Tgt Ion:105 Resp: 597282
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 54.140 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU050889.D
 Acq: 22 Sep 2022 10:49

Tgt Ion:105 Resp: 605369
 Ion Ratio Lower Upper
 105 100
 120 43.9 34.9 52.3

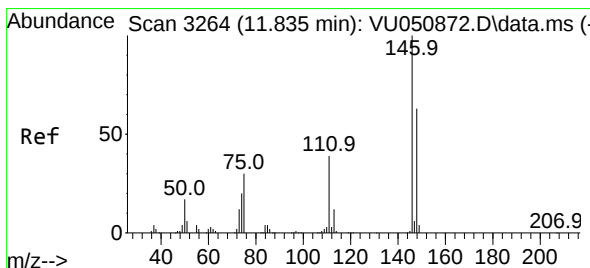
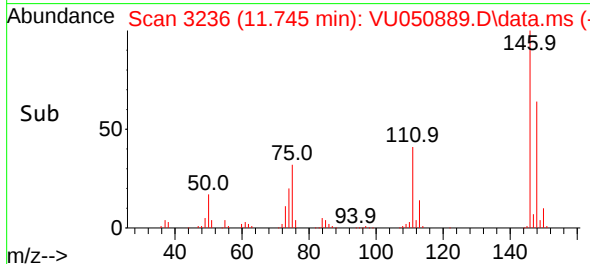
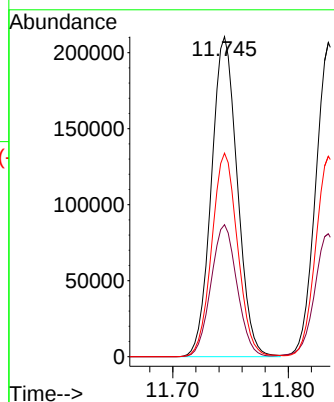
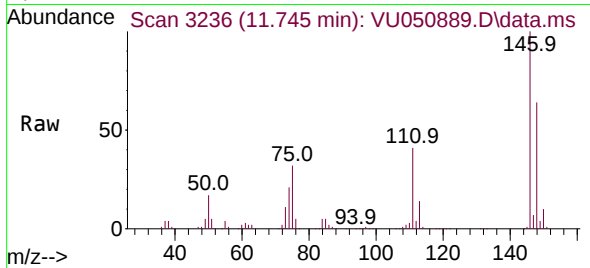




#64
1,3-Dichlorobenzene
Concen: 52.232 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

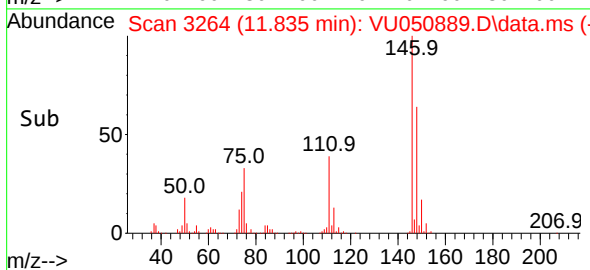
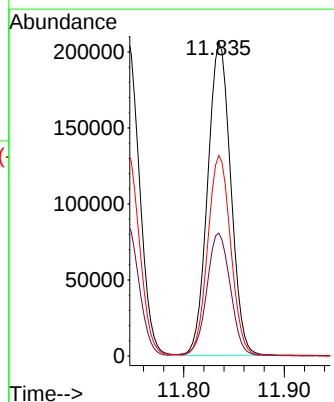
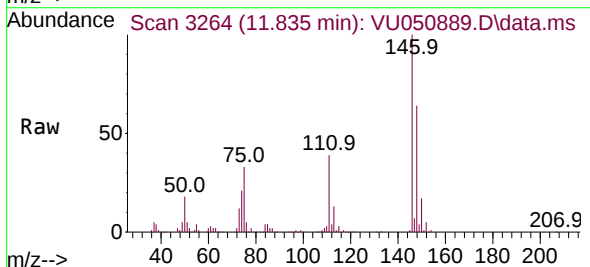
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

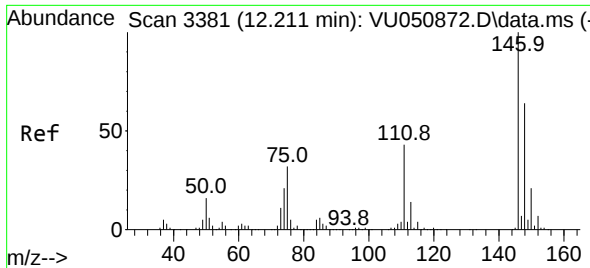
Tgt Ion:146 Resp: 328070
Ion Ratio Lower Upper
146 100
111 41.3 27.9 51.7
148 63.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 51.520 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion:146 Resp: 328522
Ion Ratio Lower Upper
146 100
111 39.1 27.5 51.1
148 63.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 51.949 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

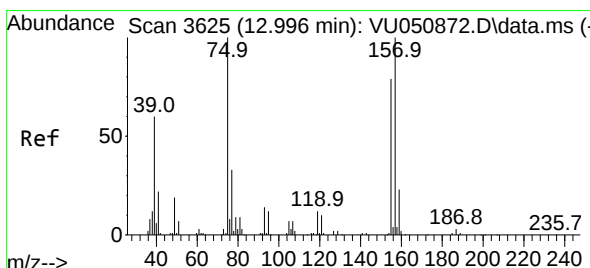
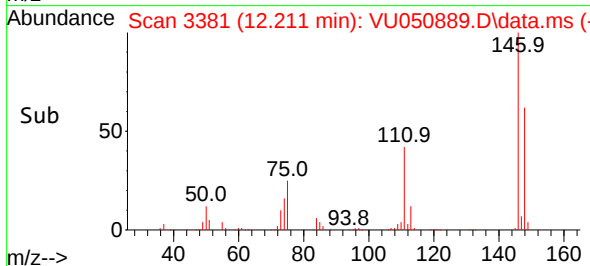
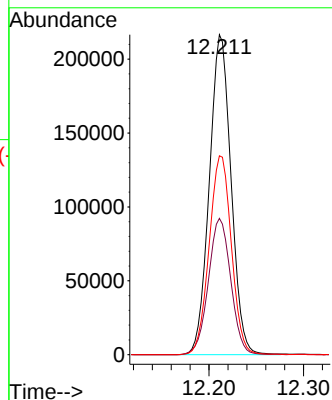
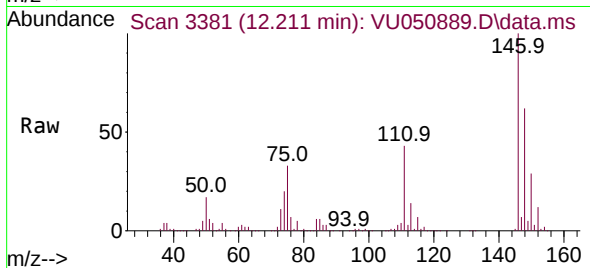
Tgt Ion:146 Resp: 345485

Ion Ratio Lower Upper

146 100

111 42.6 35.2 52.8

148 62.2 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 56.831 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050889.D

Acq: 22 Sep 2022 10:49

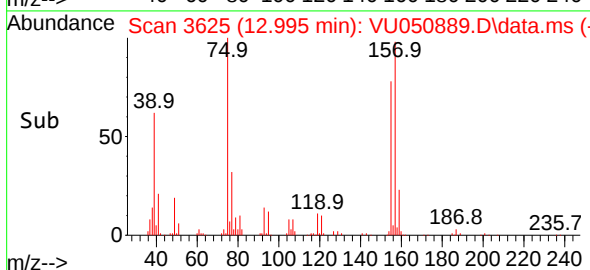
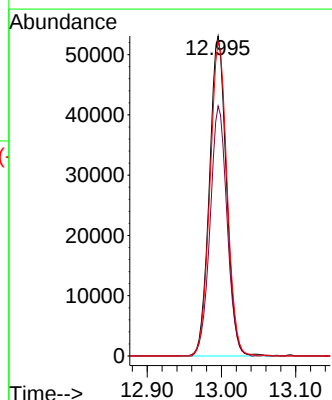
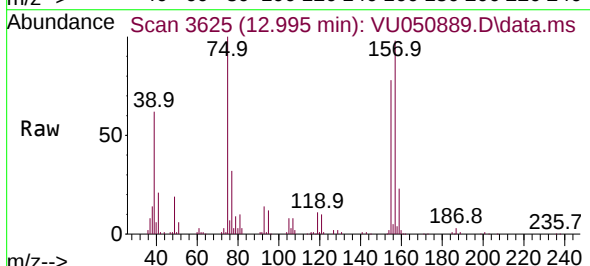
Tgt Ion: 75 Resp: 84499

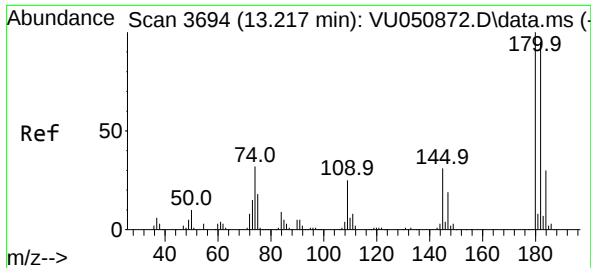
Ion Ratio Lower Upper

75 100

155 78.1 63.8 95.8

157 98.2 81.8 122.8

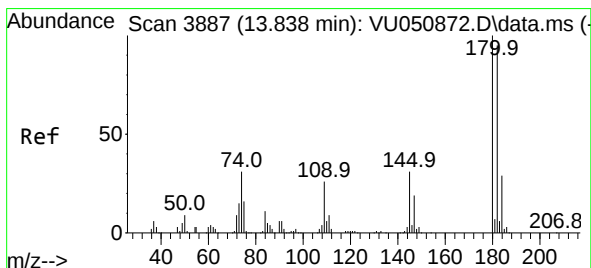
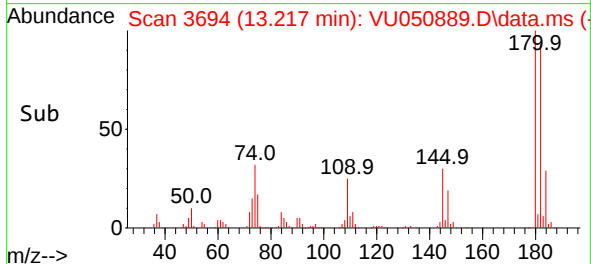
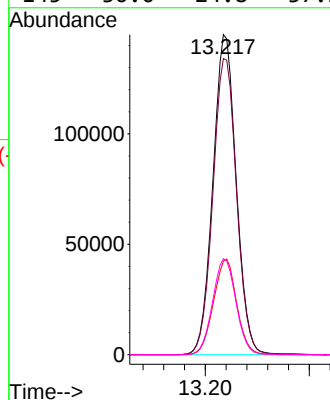
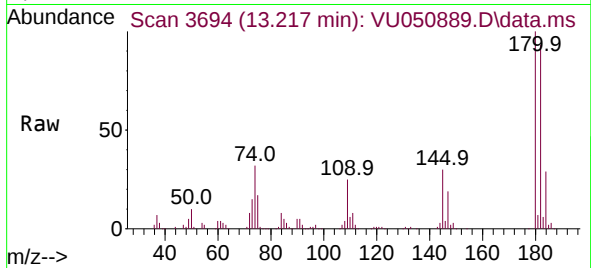




#69
1,3,5-Trichlorobenzene
Concen: 51.249 ug/L
RT: 13.217 min Scan# 30
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

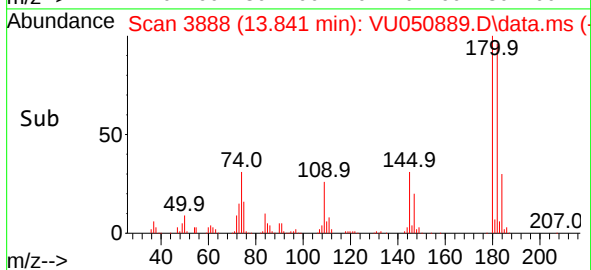
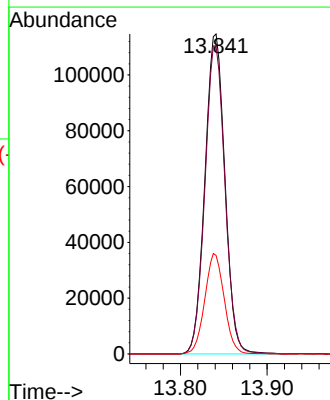
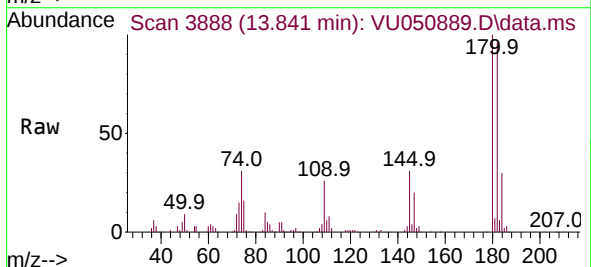
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

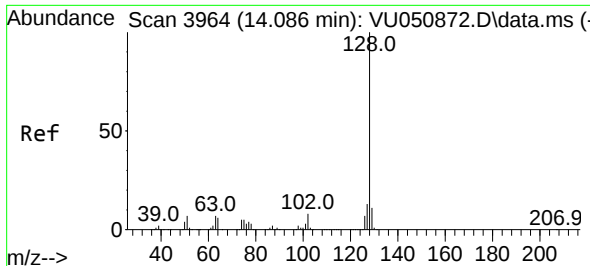
Tgt Ion:180 Resp: 225215
Ion Ratio Lower Upper
180 100
182 94.2 78.2 117.2
184 29.8 24.8 37.2
145 30.0 24.8 37.2



#70
1,2,4-trichlorobenzene
Concen: 51.225 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion:180 Resp: 184220
Ion Ratio Lower Upper
180 100
182 96.6 76.2 114.2
145 30.5 25.1 37.7

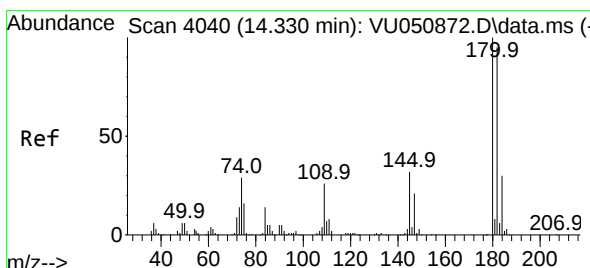
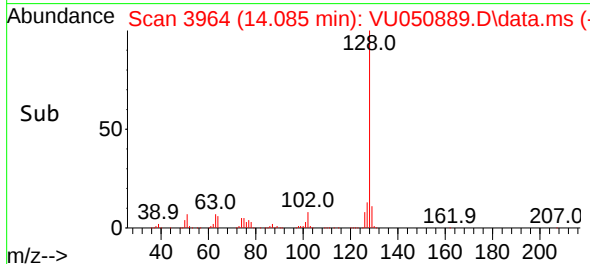
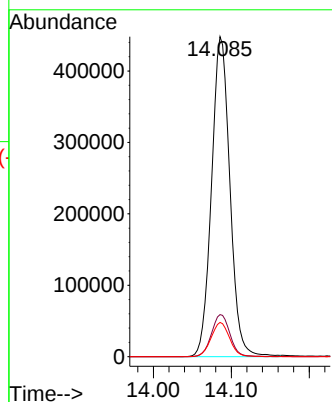
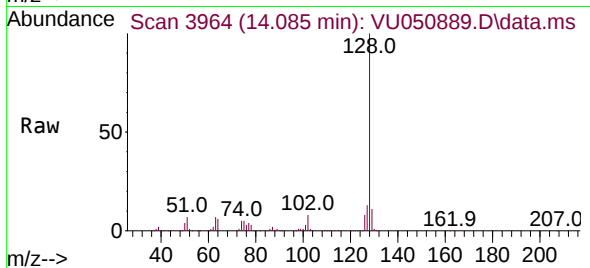




#71
Naphthalene
Concen: 53.182 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion:	128	Resp:	735058
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.271 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 10:49

Tgt Ion:	180	Resp:	214414
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.9	115.3
145	33.1	26.3	39.5

