

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080322\
 Data File : VU050050.D
 Acq On : 03 Aug 2022 12:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005144

Quant Time: Aug 04 01:41:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 03 00:51:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	80675	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	80128	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	37976	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	32577	4.703	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.000%	
7) Chloroethane-d5	1.909	69	26629	5.352	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	107.000%	
11) 1,1-Dichloroethene-d2	2.565	65	11974	5.016	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	100.400%	
20) 2-Butanone-d5	4.629	46	87560	56.786	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.580%	
24) Chloroform-d	5.063	84	61267	5.345	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	107.000%	
26) 1,2-Dichloroethane-d4	5.703	65	31631	5.476	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	109.600%	
32) Benzene-d6	5.729	84	118674	5.012	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.200%	
36) 1,2-Dichloropropane-d6	6.694	67	39989	5.155	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.200%	
41) Toluene-d8	7.899	98	106397	5.056	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.200%	
43) trans-1,3-Dichloroprop...	8.179	79	14425	5.306	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	106.200%	
46) 2-Hexanone-d5	8.636	63	51844	50.942	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.880%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35549	5.454	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	109.000%	
66) 1,2-Dichlorobenzene-d4	12.195	152	34769	4.936	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	98.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	29776	4.782	ug/L	99
3) Chloromethane	1.520	50	34176	4.632	ug/L	91
5) Vinyl chloride	1.604	62	33956	4.897	ug/L	96
6) Bromomethane	1.855	94	19796	5.158	ug/L	99
8) Chloroethane	1.932	64	21264	5.408	ug/L	94
9) Trichlorofluoromethane	2.137	101	42430	5.195	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	25188	5.238	ug/L	97
12) 1,1-Dichloroethene	2.578	96	23778	5.340	ug/L	97
13) Acetone	2.636	43	56506	52.137	ug/L	97
14) Carbon disulfide	2.790	76	59798	4.421	ug/L	100
15) Methyl Acetate	2.954	43	12777	5.682	ug/L	98
16) Methylene chloride	3.044	84	40680	5.942	ug/L	100
17) Methyl tert-butyl Ether	3.366	73	69716	5.601	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	26563	5.428	ug/L	93
19) 1,1-Dichloroethane	3.867	63	56553	5.633	ug/L	98
21) 2-Butanone	4.710	43	92898	59.512	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	31829	5.441	ug/L	95
23) Bromochloromethane	4.977	128	15296	5.710	ug/L	95
25) Chloroform	5.089	83	60518	5.379	ug/L	97

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 Data File : VU050050.D
 Acq On : 03 Aug 2022 12:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005144

Quant Time: Aug 04 01:41:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 03 00:51:34 2022
 Response via : Initial Calibration

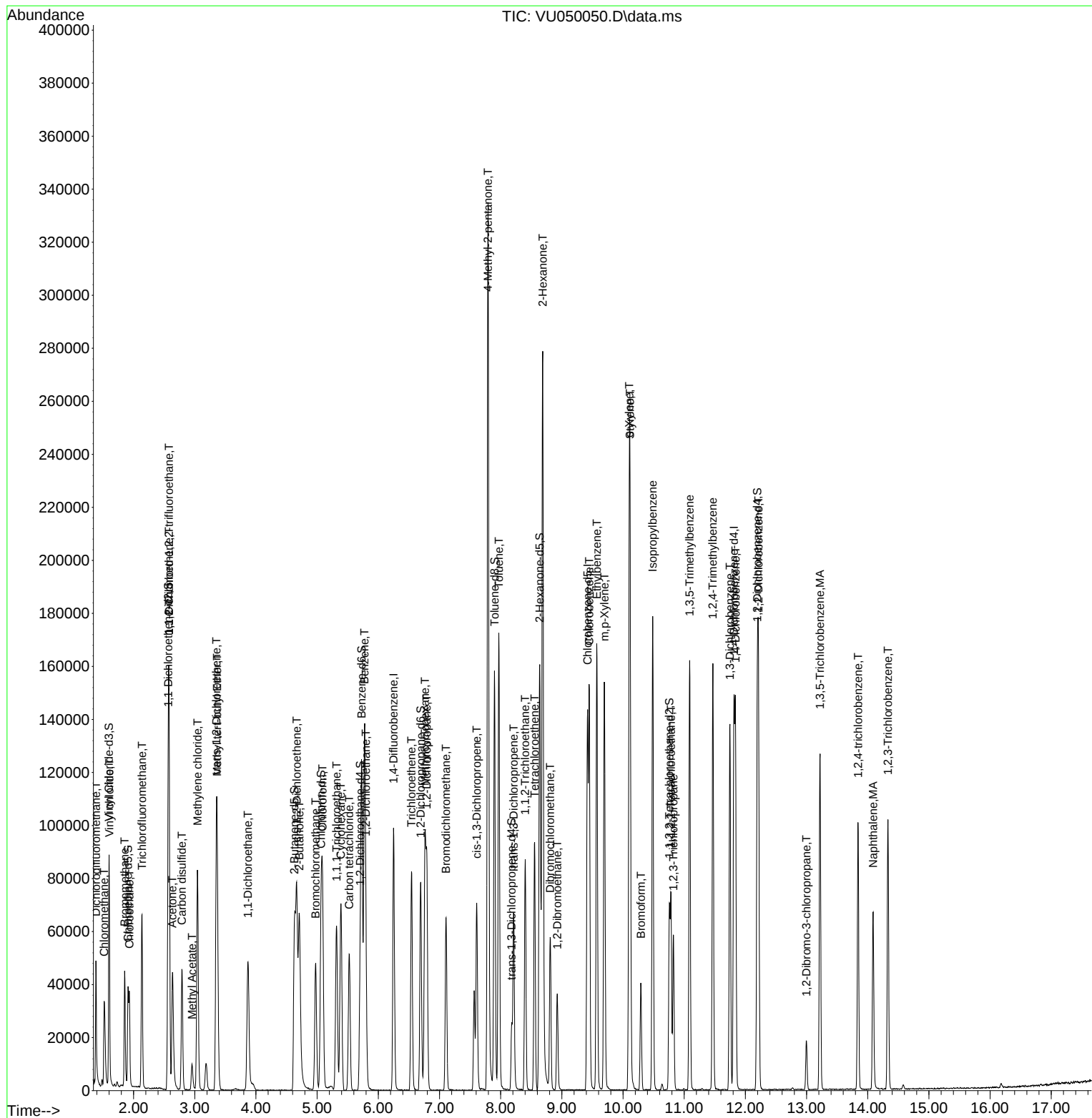
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	37038	5.899	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	45843	5.388	ug/L	100
30) Cyclohexane	5.388	56	33367	4.646	ug/L	97
31) Carbon tetrachloride	5.523	117	36628	5.300	ug/L	99
33) Benzene	5.774	78	125618	5.371	ug/L	100
34) Trichloroethene	6.542	95	29123	5.123	ug/L	98
35) Methylcyclohexane	6.764	83	34198	4.561	ug/L	99
37) 1,2-Dichloropropane	6.793	63	34887	5.413	ug/L	99
38) Bromodichloromethane	7.105	83	44709	5.733	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	44379	5.321	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	216039	58.013	ug/L	100
42) Toluene	7.970	91	129138	5.431	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	39281	5.608	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	27315	5.672	ug/L	96
47) Tetrachloroethene	8.555	164	21441	5.241	ug/L	97
48) 2-Hexanone	8.687	43	168397	59.320	ug/L	97
49) Dibromochloromethane	8.809	129	30745	5.834	ug/L	99
50) 1,2-Dibromoethane	8.925	107	24510	5.732	ug/L	99
51) Chlorobenzene	9.449	112	81794	5.418	ug/L	99
52) Ethylbenzene	9.571	91	121557	5.218	ug/L	99
53) m,p-Xylene	9.697	106	46453	5.237	ug/L	99
54) o-Xylene	10.102	106	46350	5.390	ug/L	93
55) Styrene	10.115	104	79423	5.422	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	36008	5.744	ug/L	99
59) Bromoform	10.291	173	17940	5.877	ug/L	100
60) Isopropylbenzene	10.484	105	114405	5.100	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	25376	5.754	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	88748	4.869	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	88932	5.035	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	58211	5.419	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	56205	5.288	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	58802	5.510	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	5270	6.049	ug/L	87
69) 1,3,5-Trichlorobenzene	13.221	180	40651	5.249	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	31850	5.155	ug/L	99
71) Naphthalene	14.089	128	57131	4.664	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	32278	5.264	ug/L	99

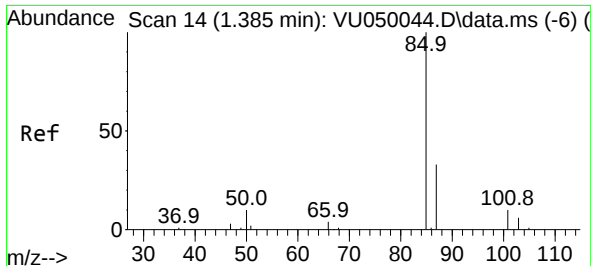
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 Data File : VU050050.D
 Acq On : 03 Aug 2022 12:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005144

Quant Time: Aug 04 01:41:32 2022
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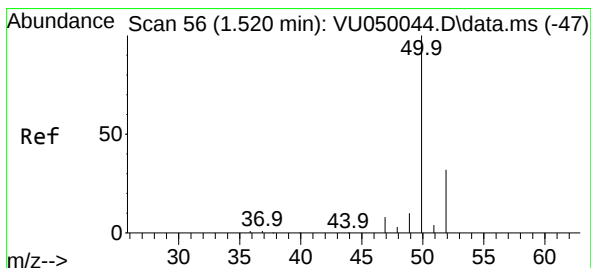
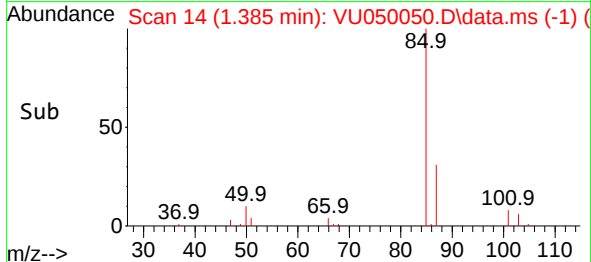
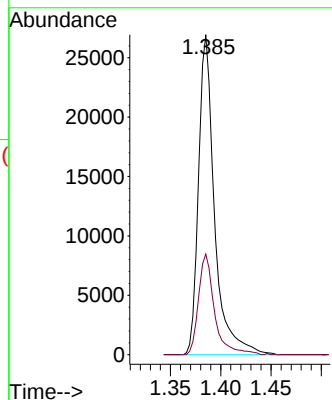
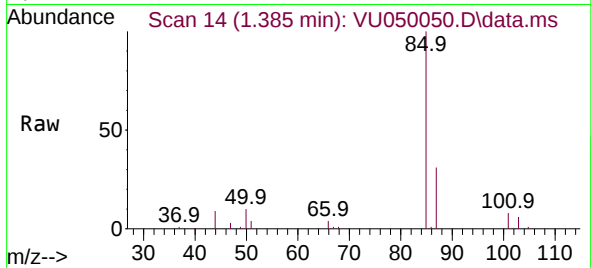




#2
 Dichlorodifluoromethane
 Concen: 4.782 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

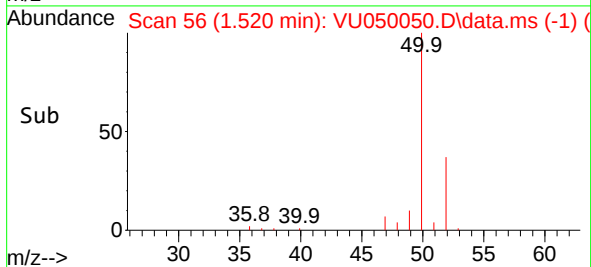
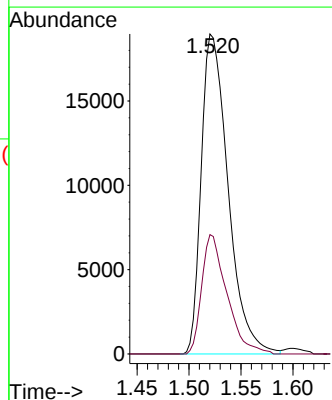
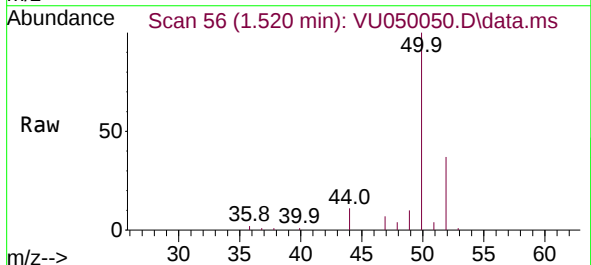
Instrument :
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 ClientSampleId :
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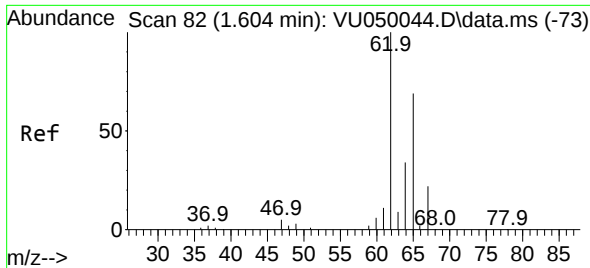
Tgt Ion: 85 Resp: 29776
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.7 38.5



#3
 Chloromethane
 Concen: 4.632 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

Tgt Ion: 50 Resp: 34176
 Ion Ratio Lower Upper
 50 100
 52 37.3 22.4 41.6

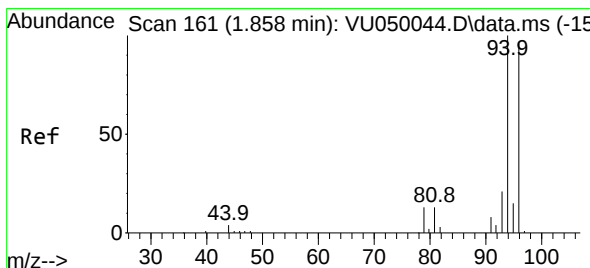
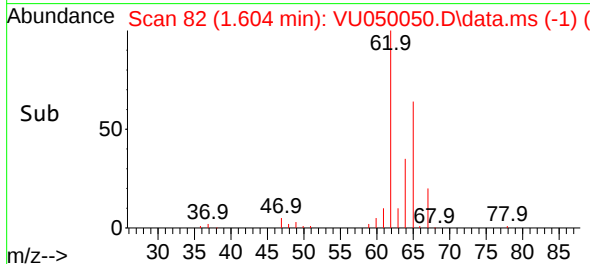
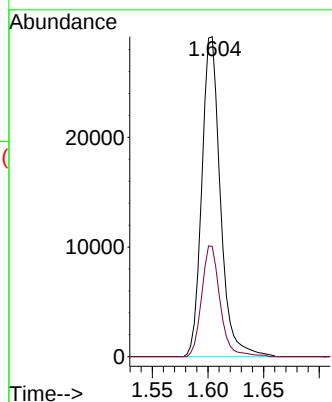
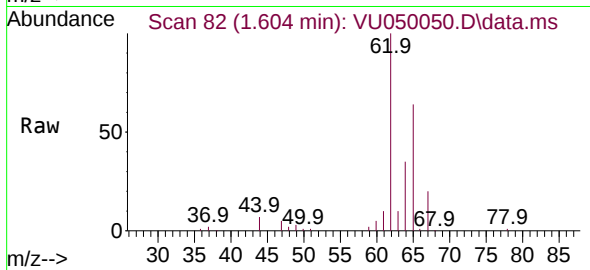




#5
 Vinyl chloride
 Concen: 4.897 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

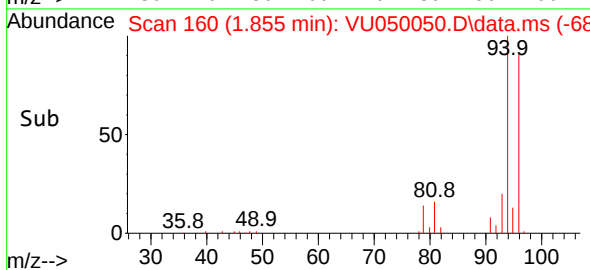
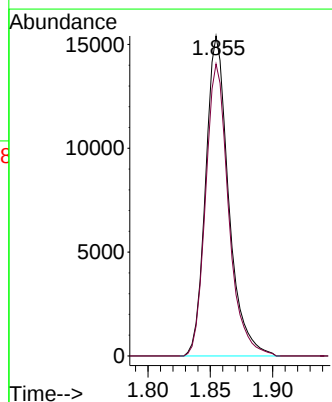
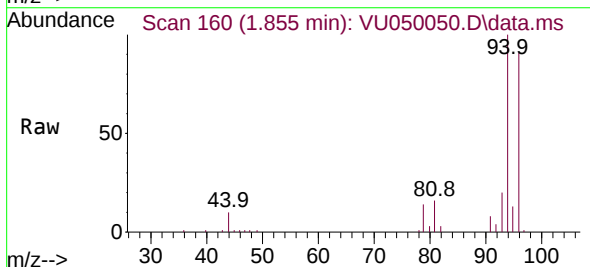
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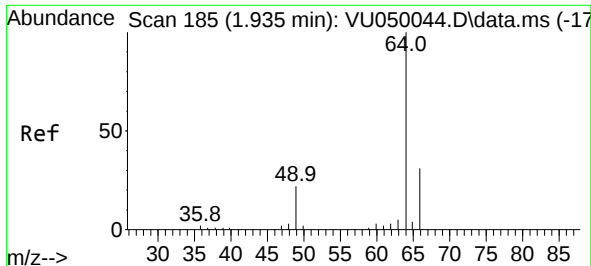
Tgt Ion: 62 Resp: 33956
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.5 41.9



#6
 Bromomethane
 Concen: 5.158 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

Tgt Ion: 94 Resp: 19796
 Ion Ratio Lower Upper
 94 100
 96 91.3 64.5 119.9

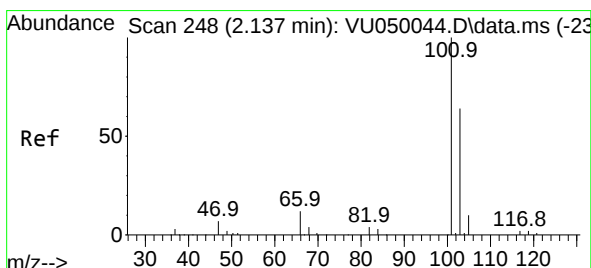
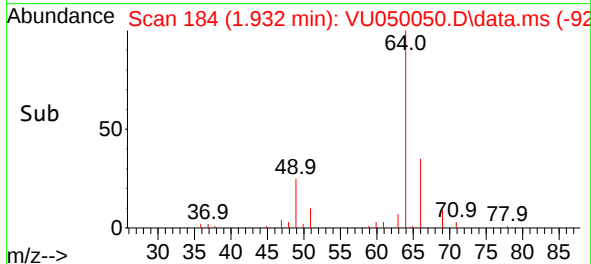
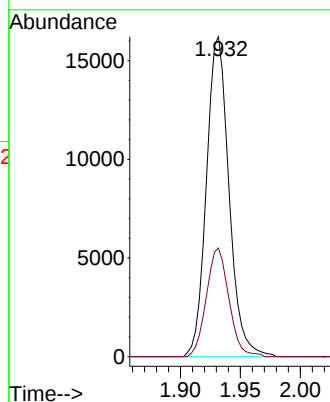
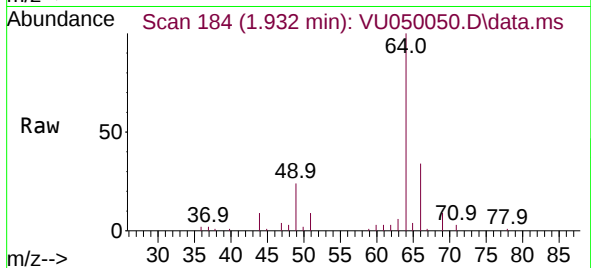




#8
Chloroethane
Concen: 5.408 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

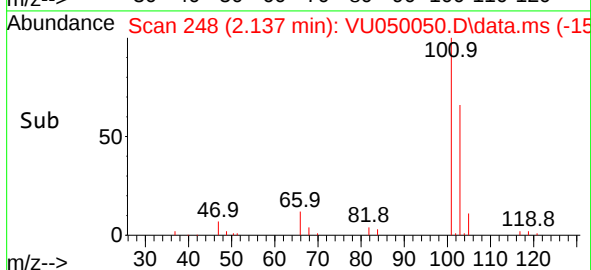
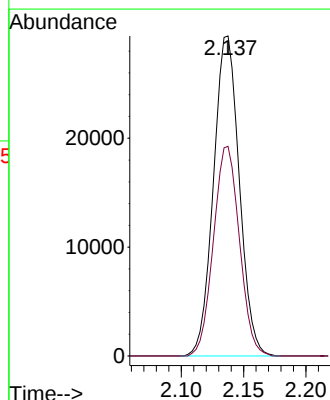
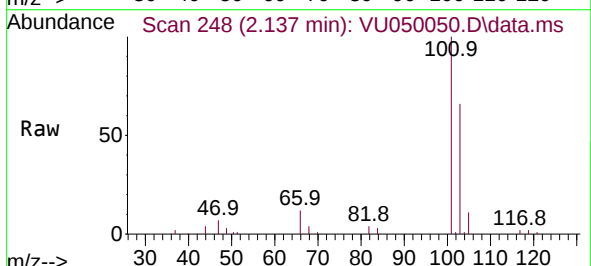
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MSVOA_U
ClientSampleId :
VSTD005144

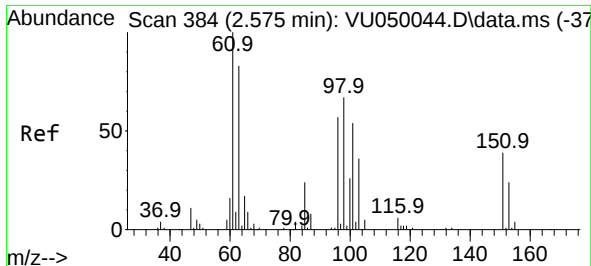
Tgt Ion: 64 Resp: 21264
Ion Ratio Lower Upper
64 100
66 34.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.195 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:101 Resp: 42430
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.6





#10

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

Concen: 5.238 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005144

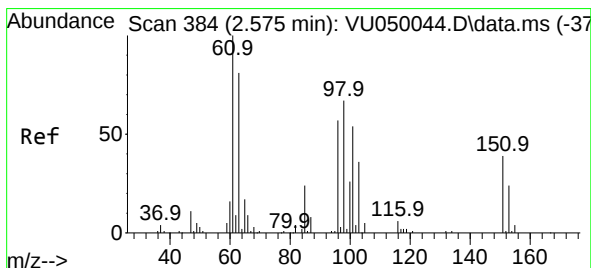
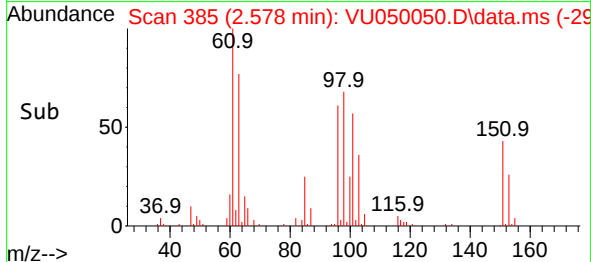
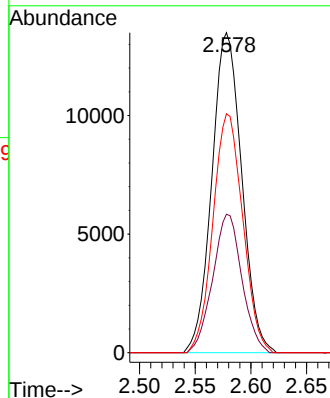
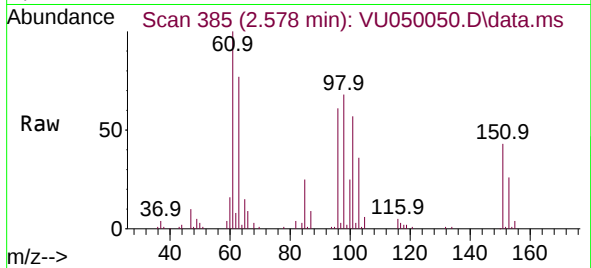
Tgt Ion:101 Resp: 25188

Ion Ratio Lower Upper

101 100

85 42.3 34.1 51.1

151 74.3 56.6 85.0



#12

1,1-Dichloroethene

Concen: 5.340 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

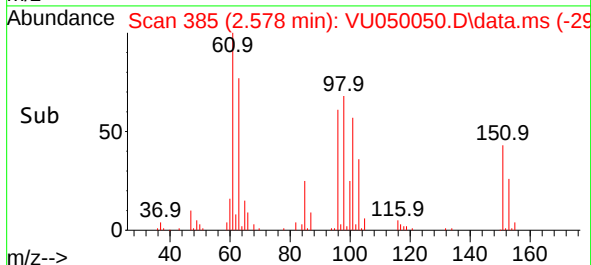
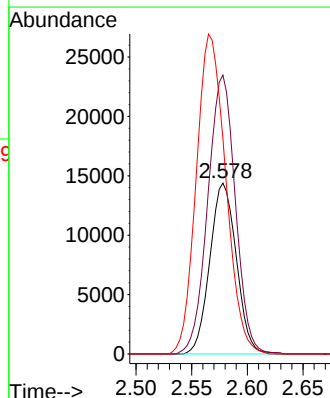
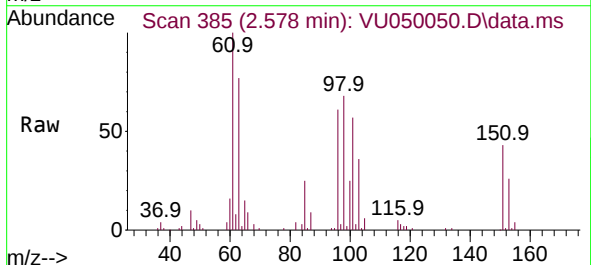
Tgt Ion: 96 Resp: 23778

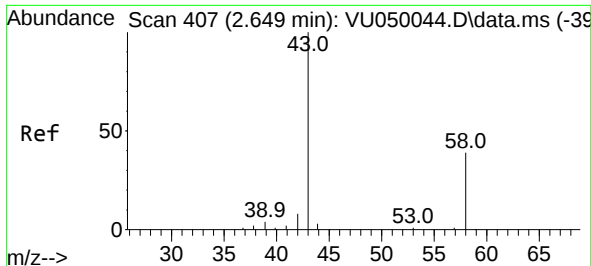
Ion Ratio Lower Upper

96 100

61 163.2 115.7 214.9

63 126.0 84.8 157.4





#13

Acetone

Concen: 52.137 ug/L

RT: 2.636 min Scan# 407

Delta R.T. -0.013 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

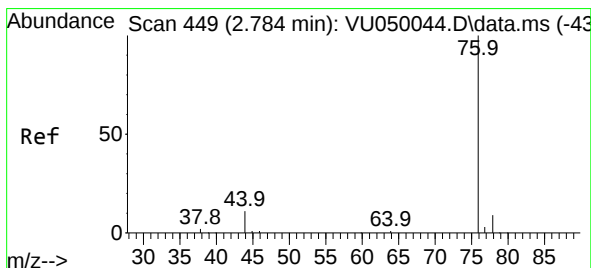
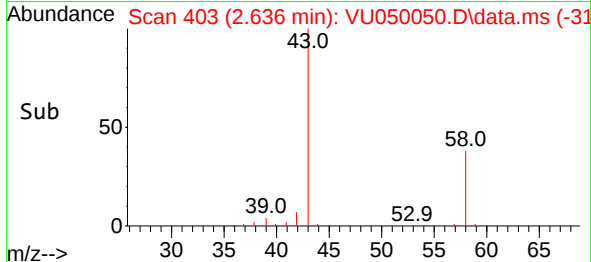
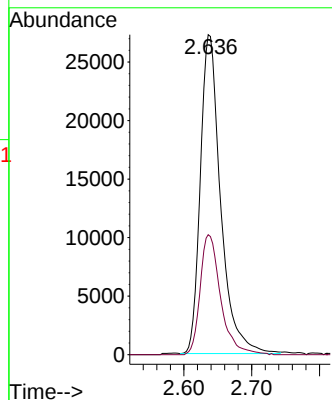
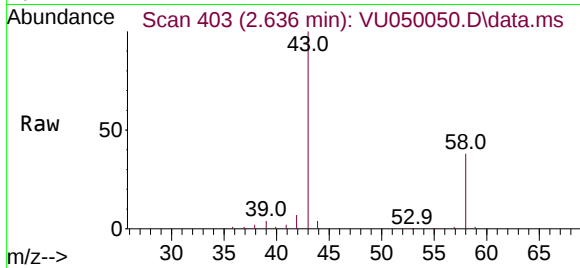
VSTD005144

Tgt Ion: 43 Resp: 56506

Ion Ratio Lower Upper

43 100

58 38.1 0.0 73.0



#14

Carbon disulfide

Concen: 4.421 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.006 min

Lab File: VU050050.D

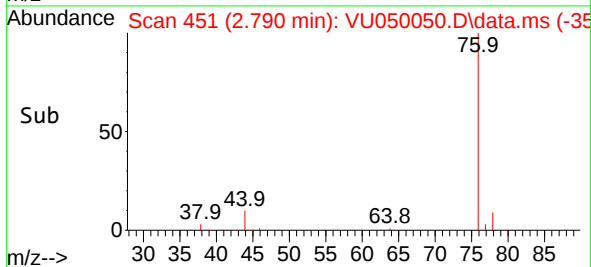
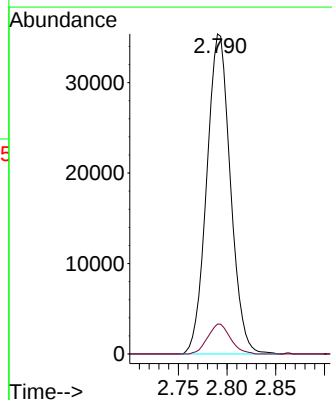
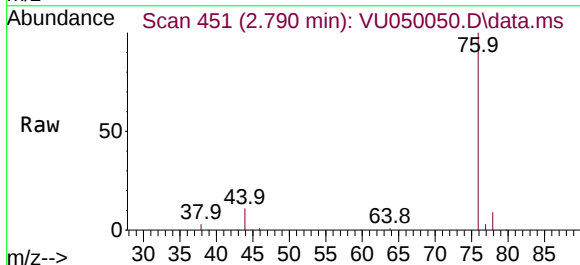
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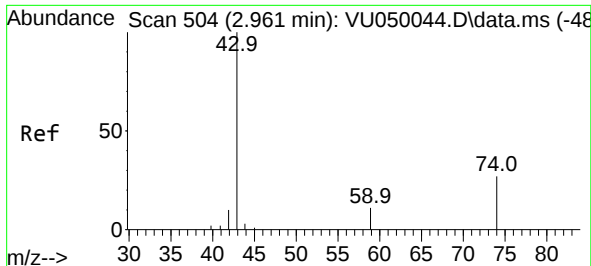
Tgt Ion: 76 Resp: 59798

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

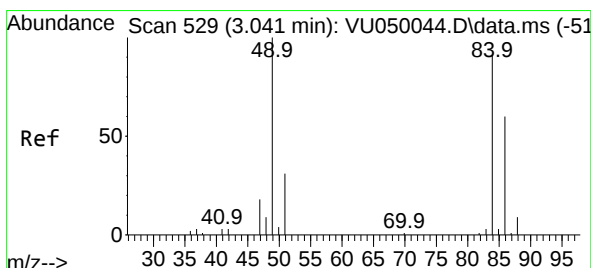
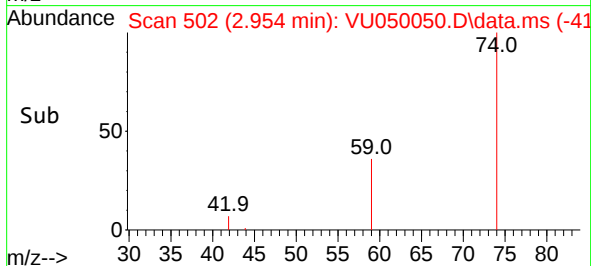
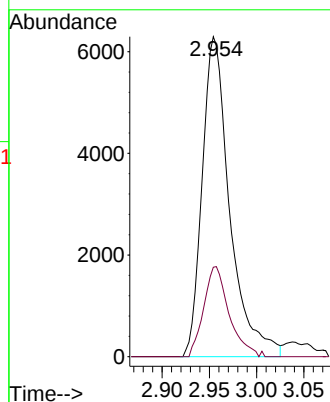
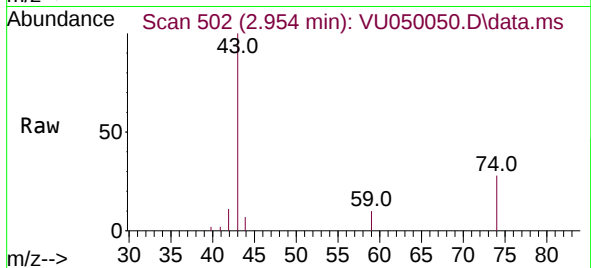




#15
Methyl Acetate
Concen: 5.682 ug/L
RT: 2.954 min Scan# 50
Delta R.T. -0.006 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

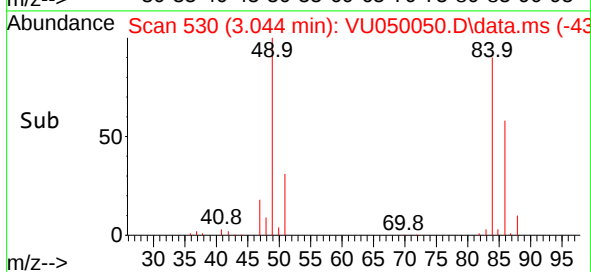
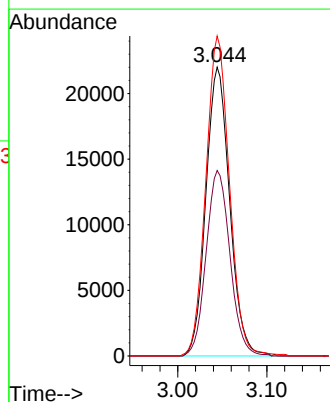
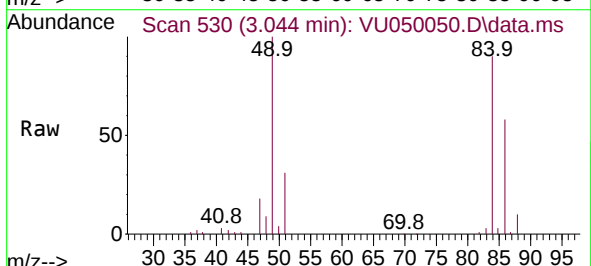
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

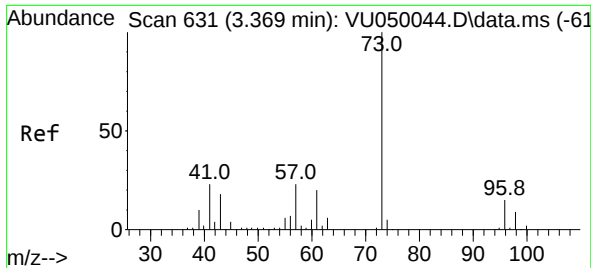
Tgt Ion: 43 Resp: 12777
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



#16
Methylene chloride
Concen: 5.942 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 84 Resp: 40680
Ion Ratio Lower Upper
84 100
86 64.2 45.2 84.0
49 110.8 77.6 144.0

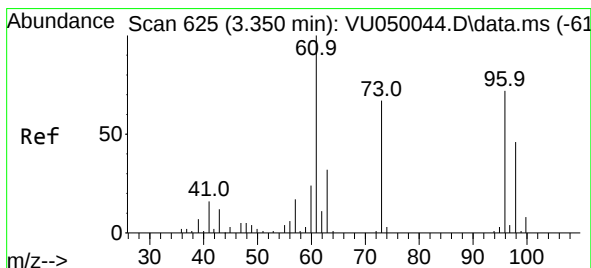
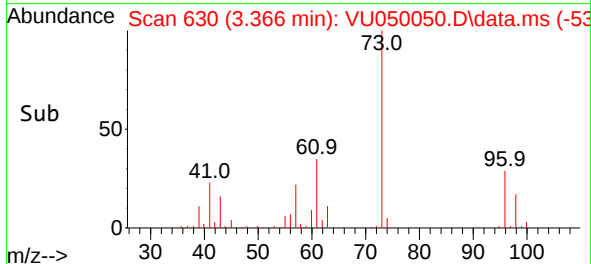
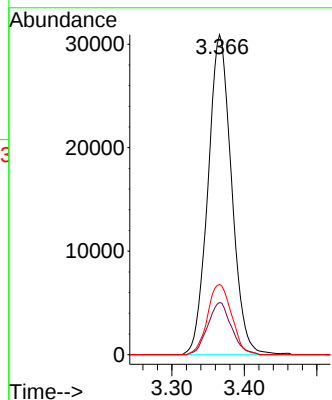
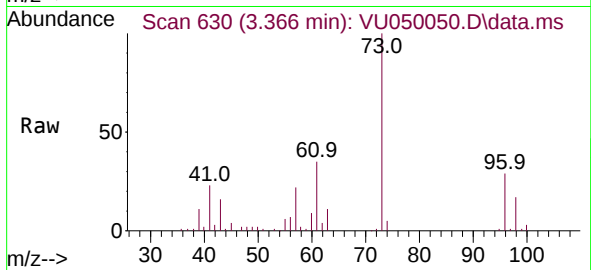




#17
Methyl tert-butyl Ether
Concen: 5.601 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

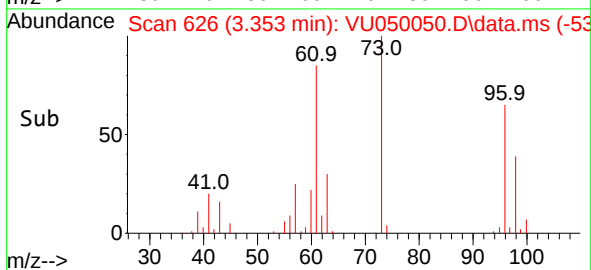
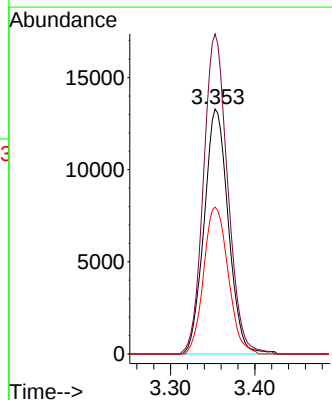
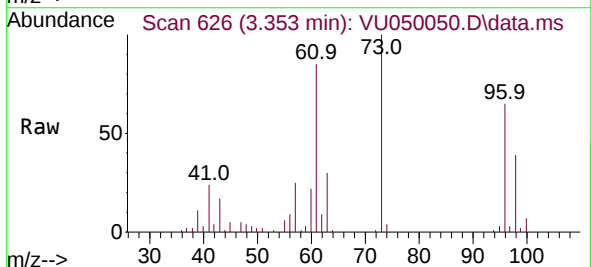
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

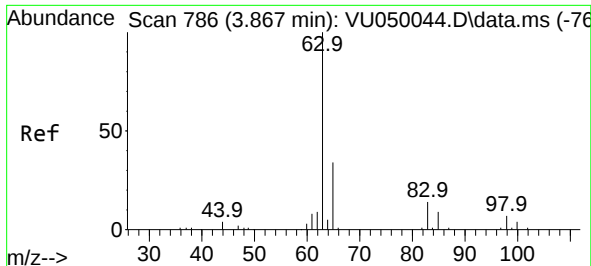
Tgt Ion: 73 Resp: 69716
Ion Ratio Lower Upper
73 100
43 16.5 13.8 20.6
57 22.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.428 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 96 Resp: 26563
Ion Ratio Lower Upper
96 100
61 130.6 98.0 182.0
98 59.9 44.5 82.7

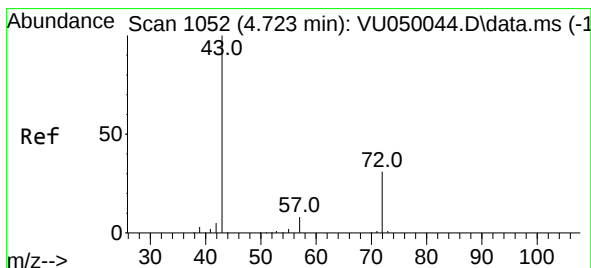
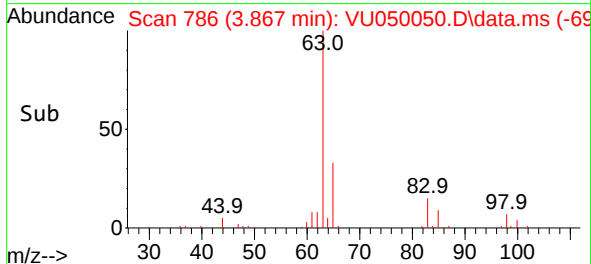
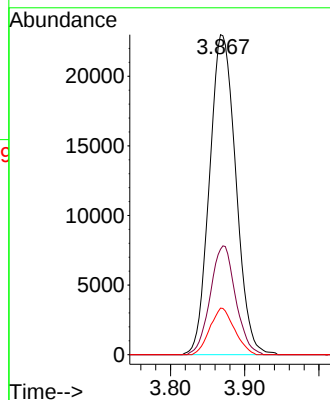
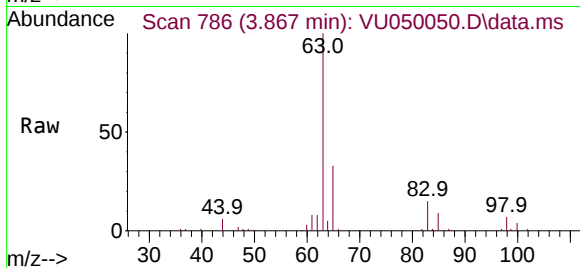




#19
1,1-Dichloroethane
Concen: 5.633 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

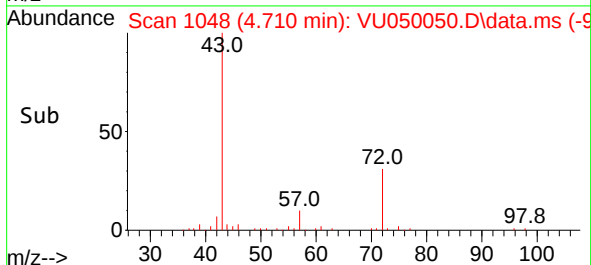
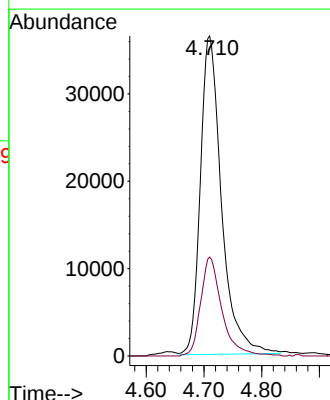
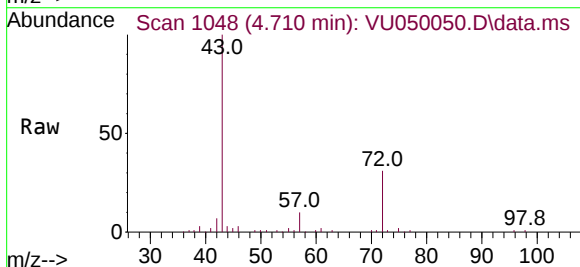
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

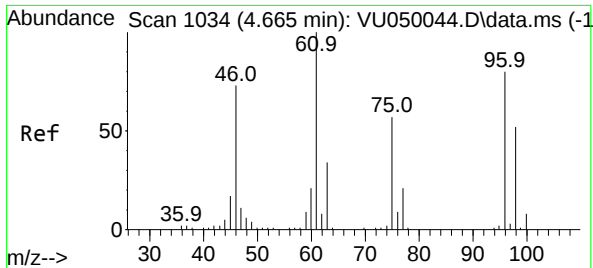
Tgt Ion:	63	Resp:	56553
Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.4	43.6
83	14.6	9.4	17.4



#21
2-Butanone
Concen: 59.512 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.013 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:	43	Resp:	92898
Ion	Ratio	Lower	Upper
43	100		
72	31.1	15.8	47.3

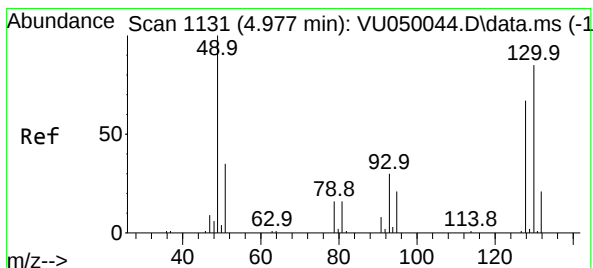
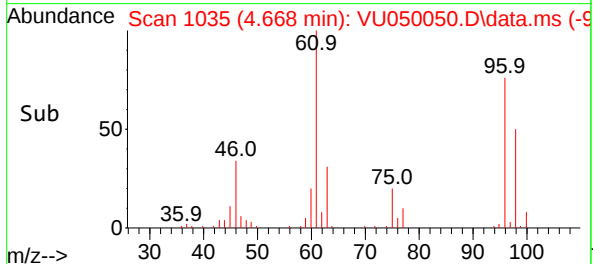
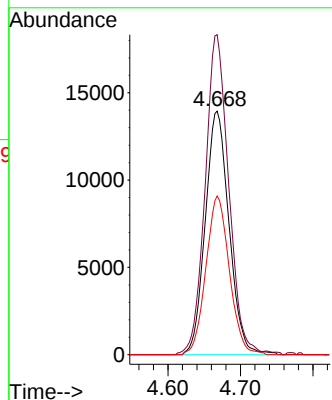
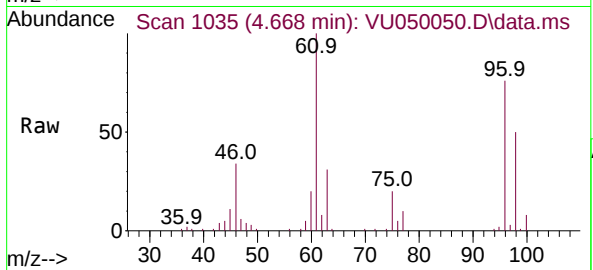




#22
 cis-1,2-Dichloroethene
 Concen: 5.441 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

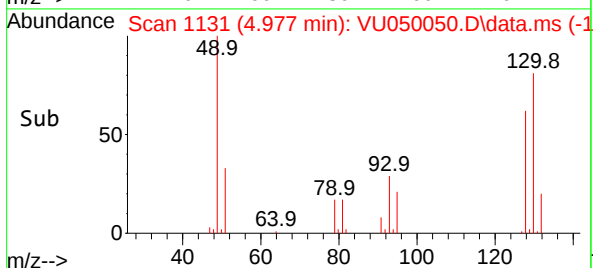
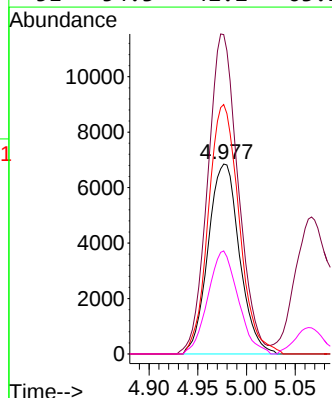
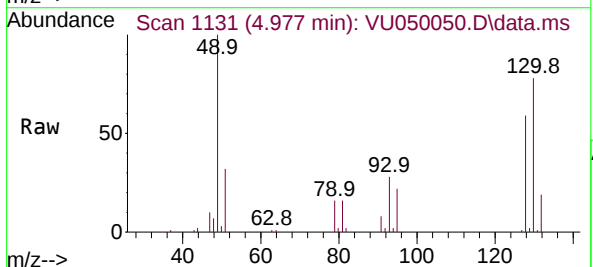
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005144

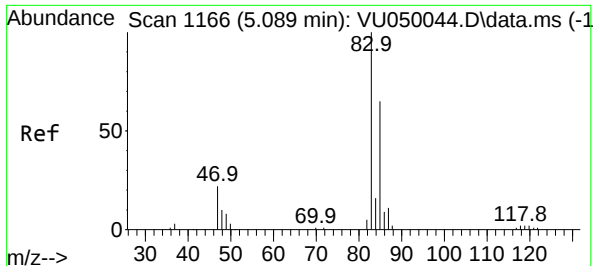
Tgt Ion: 96 Resp: 31829
 Ion Ratio Lower Upper
 96 100
 61 131.4 87.2 161.9
 98 65.2 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.710 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VU050050.D
 Acq: 03 Aug 2022 12:47

Tgt Ion: 128 Resp: 15296
 Ion Ratio Lower Upper
 128 100
 49 168.1 111.4 207.0
 130 131.3 88.7 164.7
 51 54.3 42.2 63.2





#25

Chloroform

Concen: 5.379 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

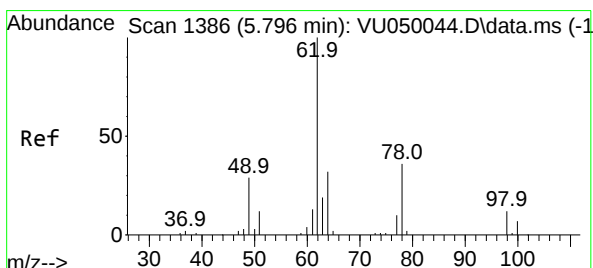
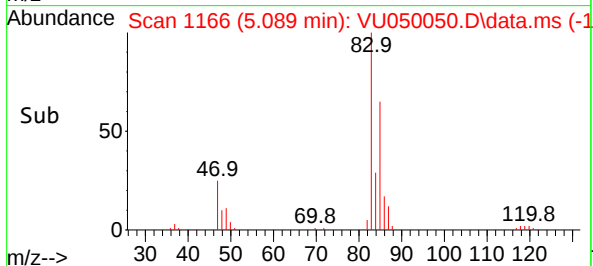
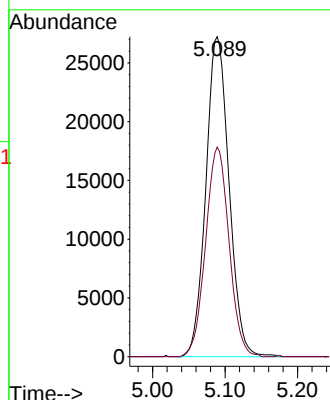
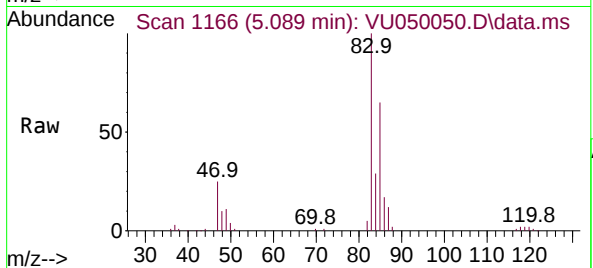
VSTD005144

Tgt Ion: 83 Resp: 60518

Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.4



#27

1,2-Dichloroethane

Concen: 5.899 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050050.D

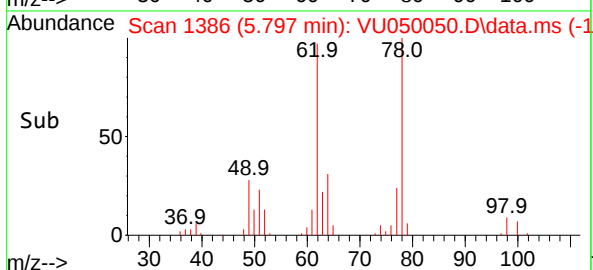
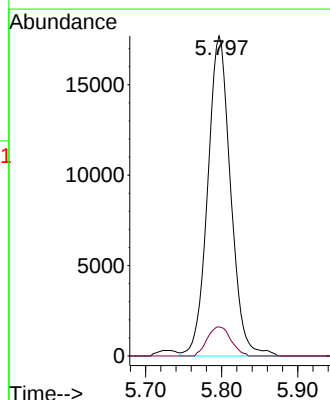
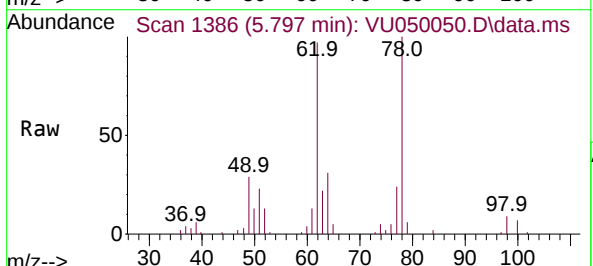
Acq: 03 Aug 2022 12:47

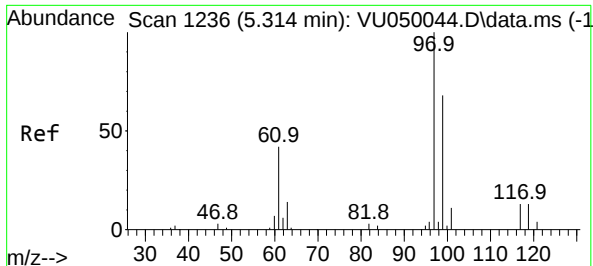
Tgt Ion: 62 Resp: 37038

Ion Ratio Lower Upper

62 100

98 9.1 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.388 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005144

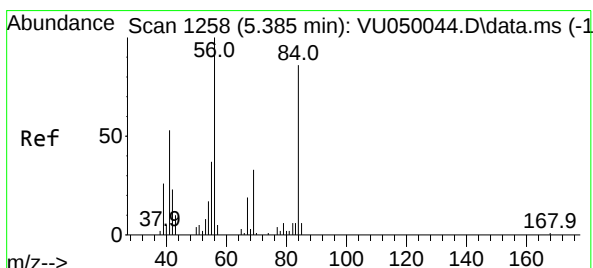
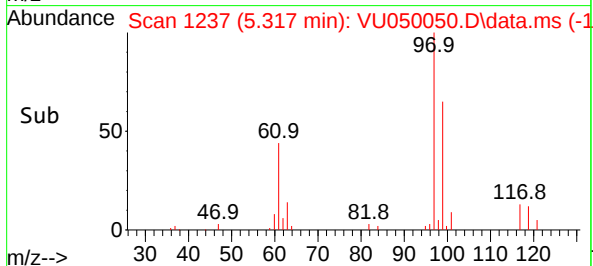
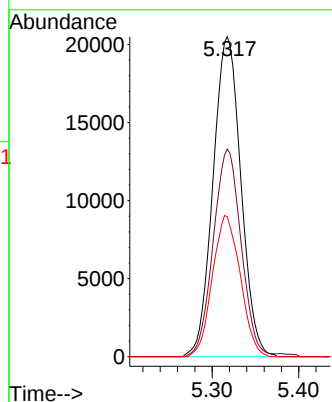
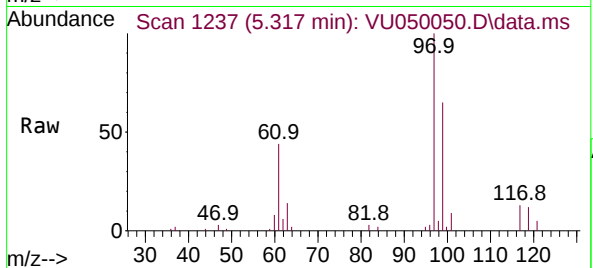
Tgt Ion: 97 Resp: 45843

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 44.1 35.0 52.6



#30

Cyclohexane

Concen: 4.646 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

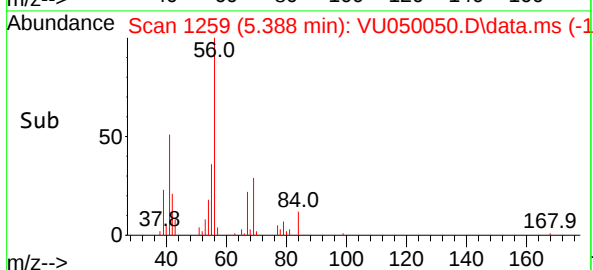
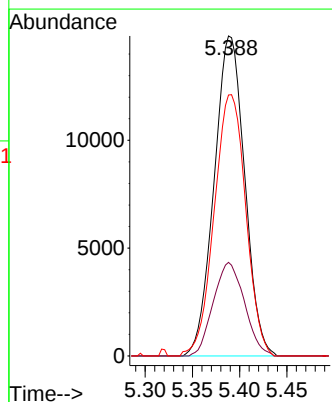
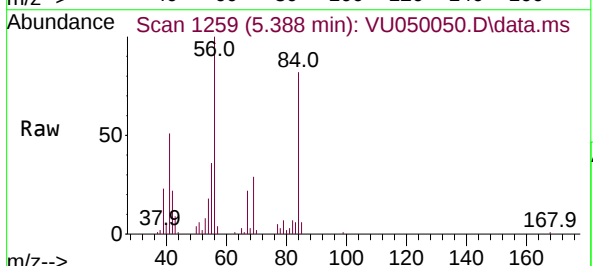
Tgt Ion: 56 Resp: 33367

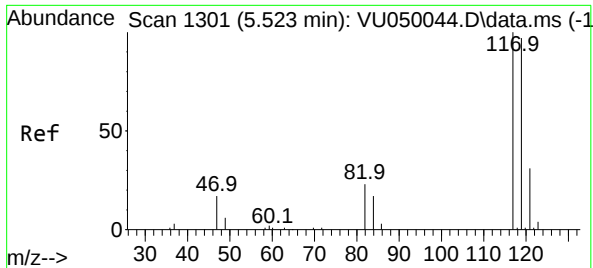
Ion Ratio Lower Upper

56 100

69 29.8 25.1 37.7

84 84.3 70.1 105.1

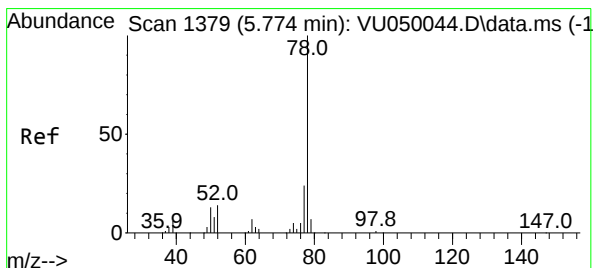
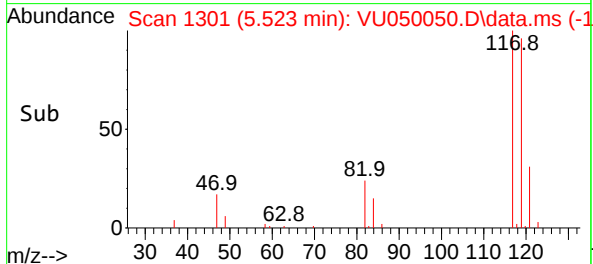
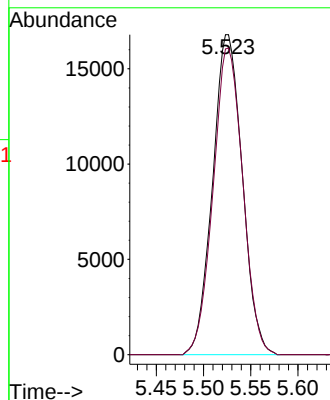
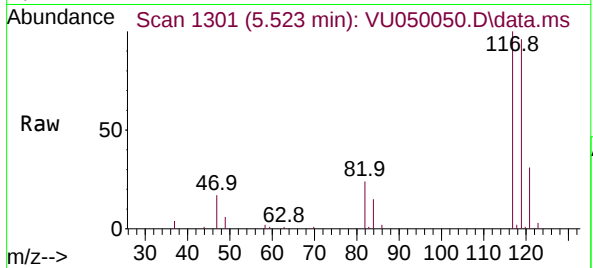




#31
Carbon tetrachloride
Concen: 5.300 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

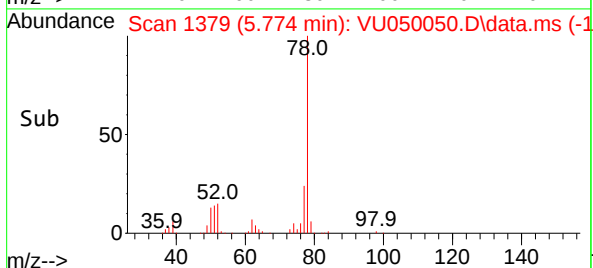
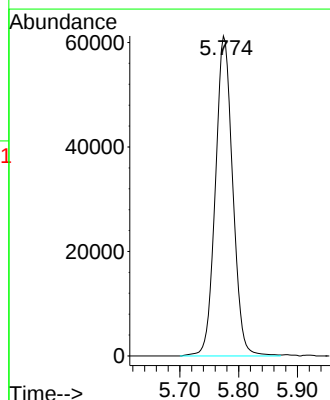
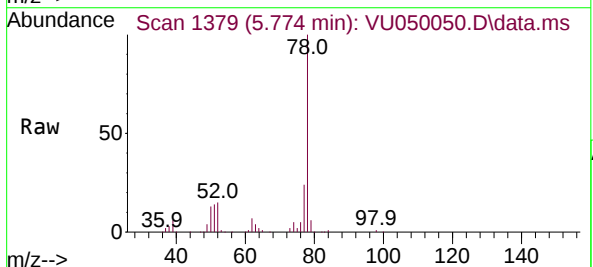
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

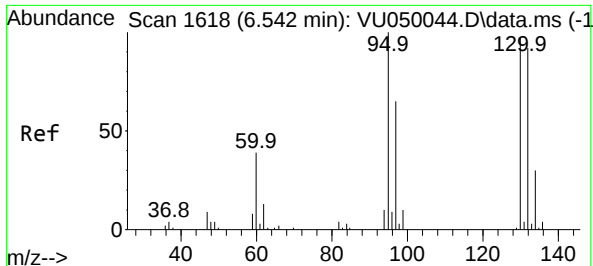
Tgt Ion:117 Resp: 36628
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6



#33
Benzene
Concen: 5.371 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 78 Resp: 125618

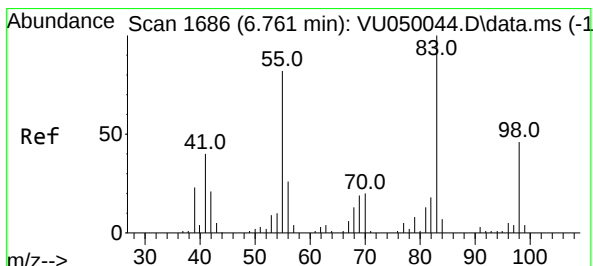
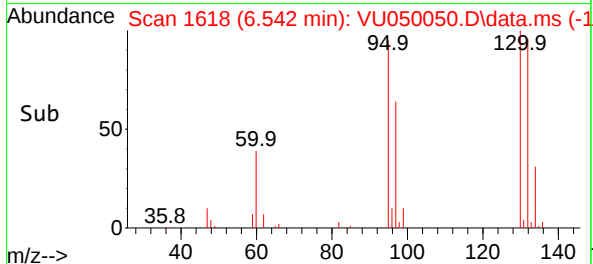
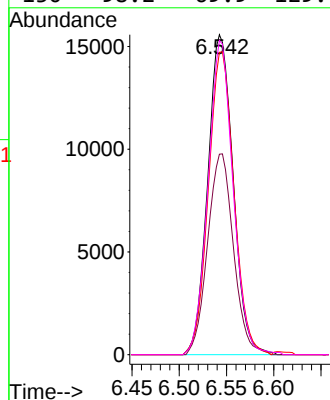
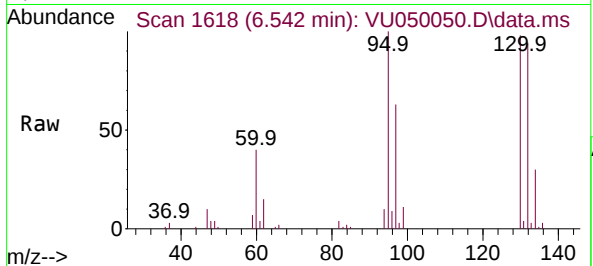




#34
Trichloroethene
Concen: 5.123 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

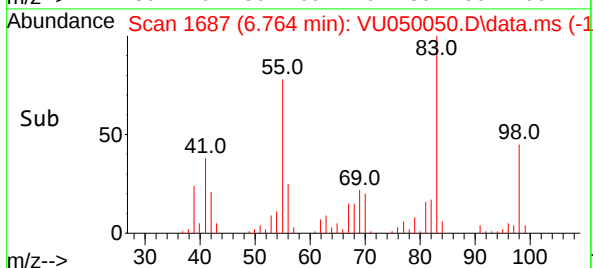
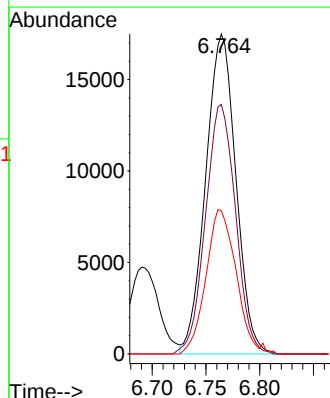
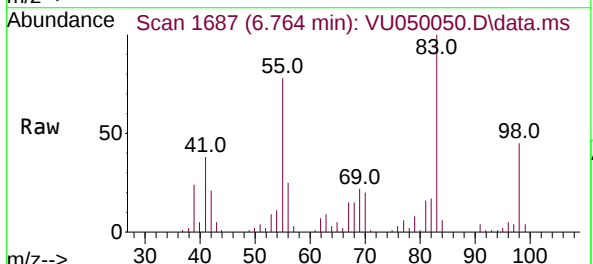
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

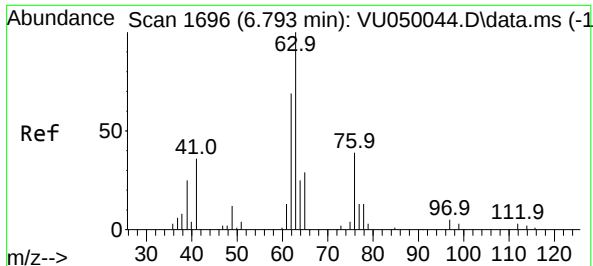
Tgt Ion: 95 Resp: 29123
Ion Ratio Lower Upper
95 100
97 62.6 45.6 84.8
132 94.5 66.8 124.2
130 98.2 69.9 129.7



#35
Methylcyclohexane
Concen: 4.561 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 83 Resp: 34198
Ion Ratio Lower Upper
83 100
55 77.5 61.6 92.4
98 45.2 34.8 52.2





#37

1,2-Dichloropropane

Concen: 5.413 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

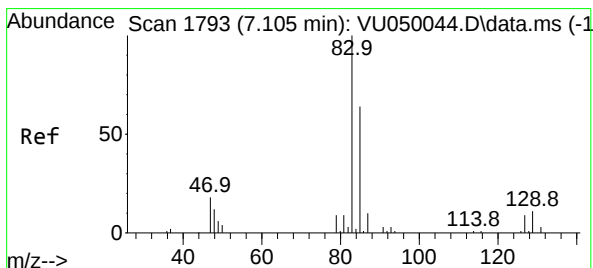
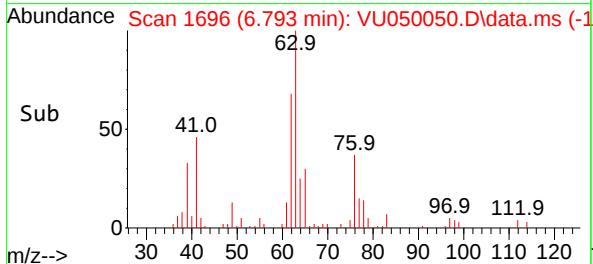
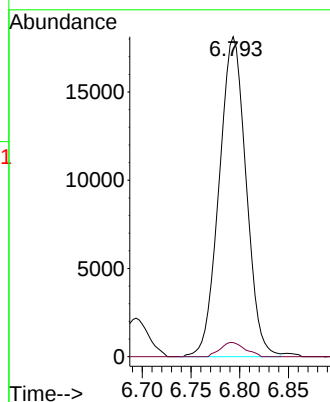
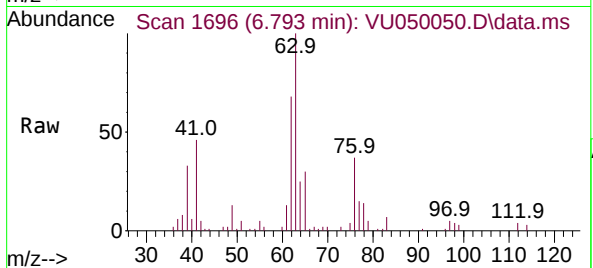
VSTD005144

Tgt Ion: 63 Resp: 34887

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 5.733 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

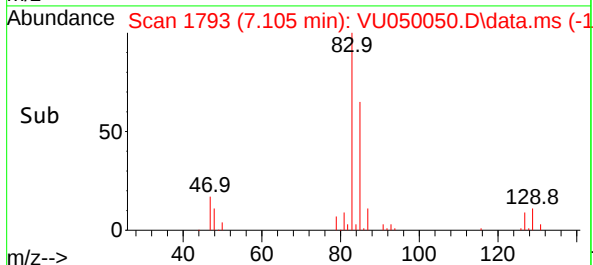
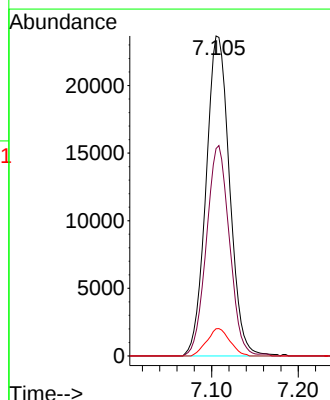
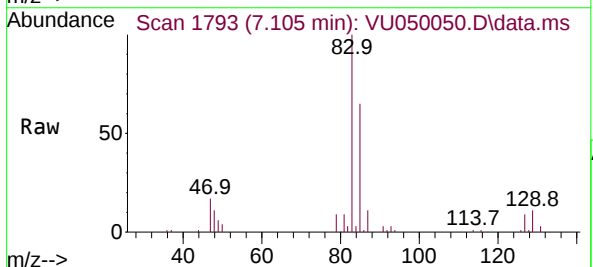
Tgt Ion: 83 Resp: 44709

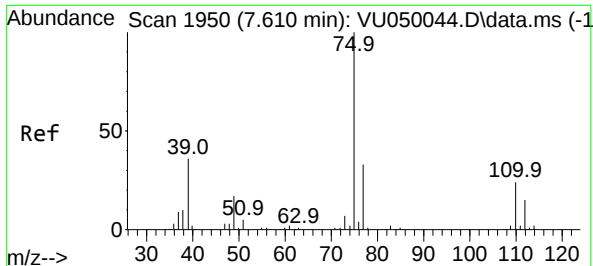
Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.321 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

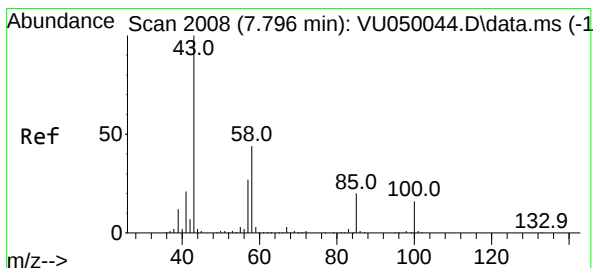
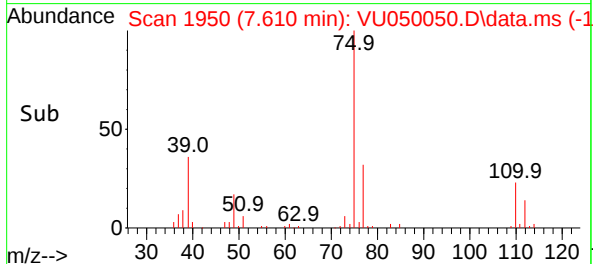
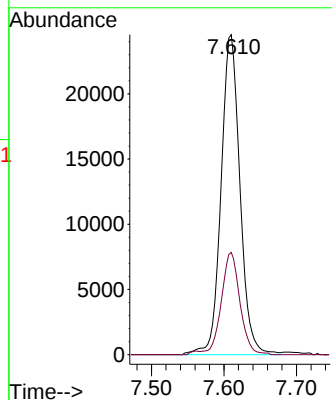
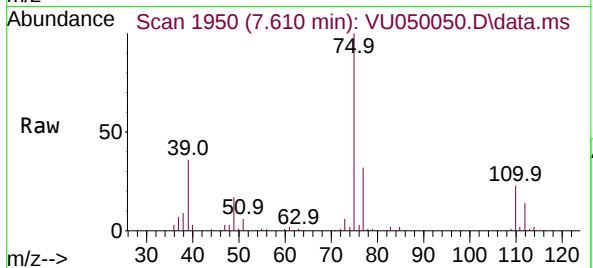
VSTD005144

Tgt Ion: 75 Resp: 44379

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 58.013 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

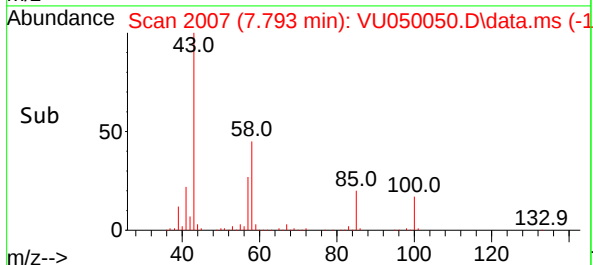
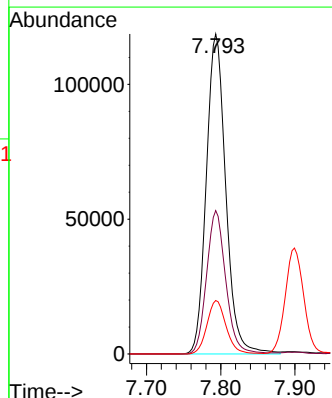
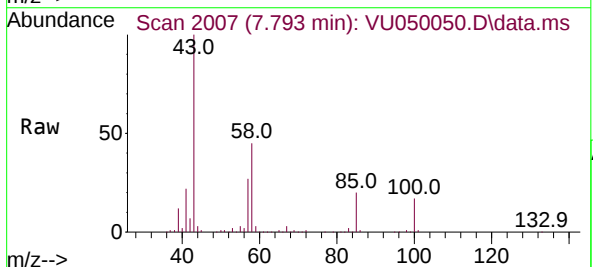
Tgt Ion: 43 Resp: 216039

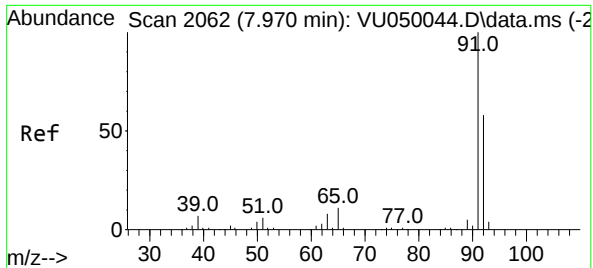
Ion Ratio Lower Upper

43 100

58 44.2 35.5 53.3

100 16.4 13.2 19.8





#42

Toluene

Concen: 5.431 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

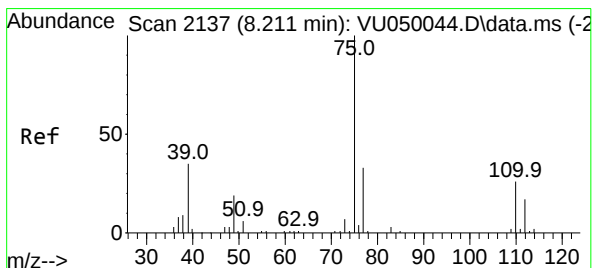
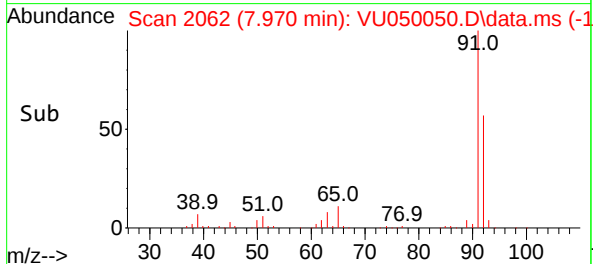
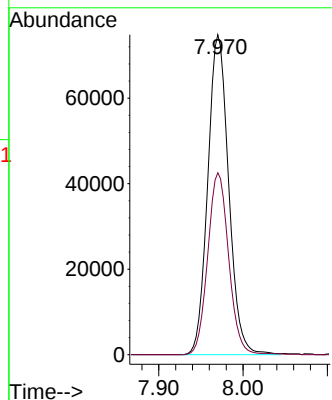
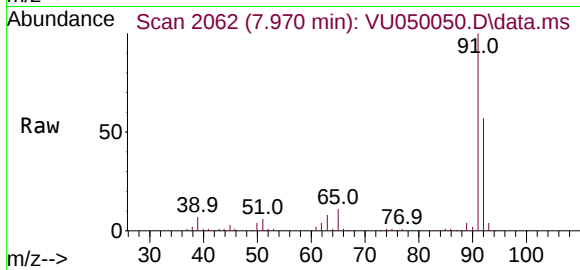
VSTD005144

Tgt Ion: 91 Resp: 129138

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.608 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050050.D

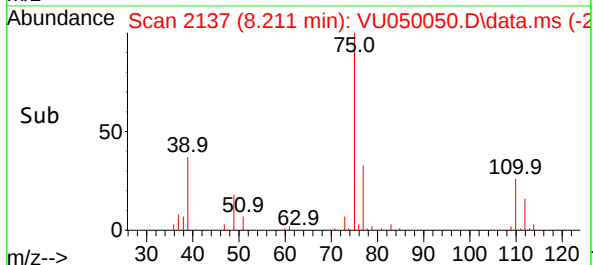
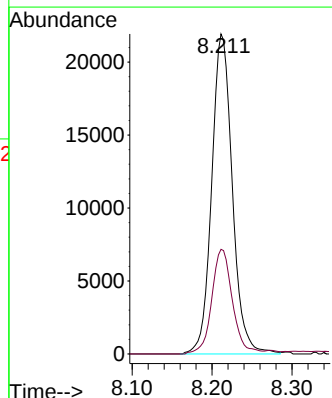
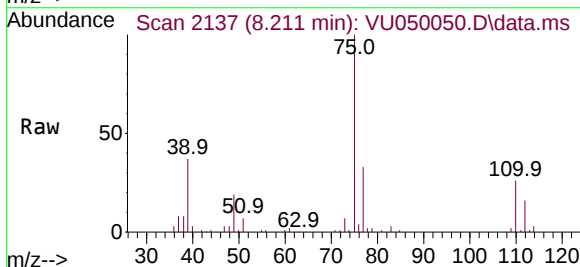
Acq: 03 Aug 2022 12:47

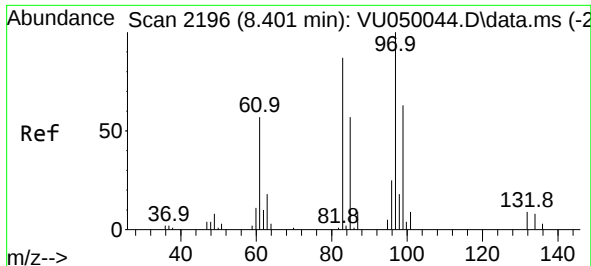
Tgt Ion: 75 Resp: 39281

Ion Ratio Lower Upper

75 100

77 32.7 24.1 44.8

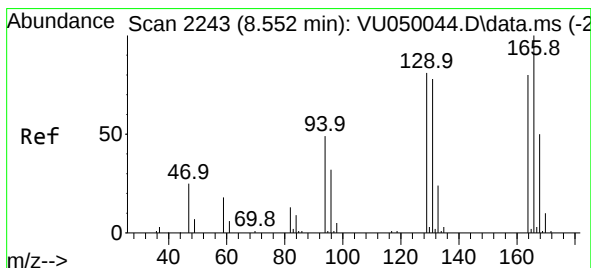
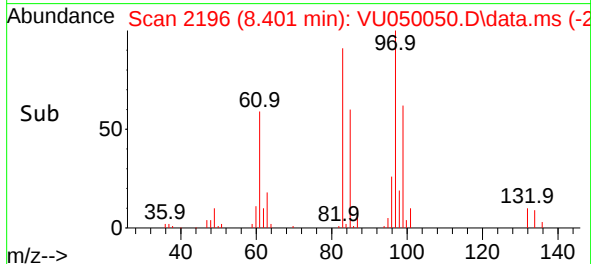
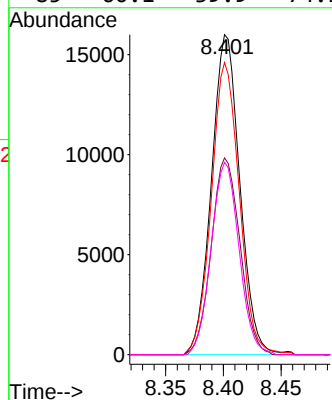
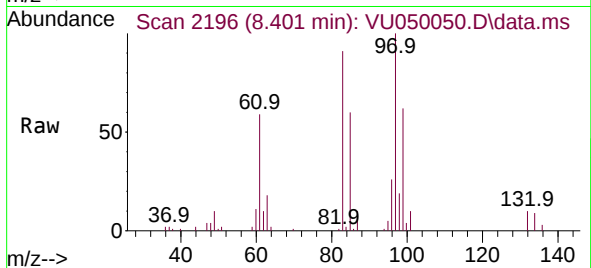




#45
1,1,2-Trichloroethane
Concen: 5.672 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

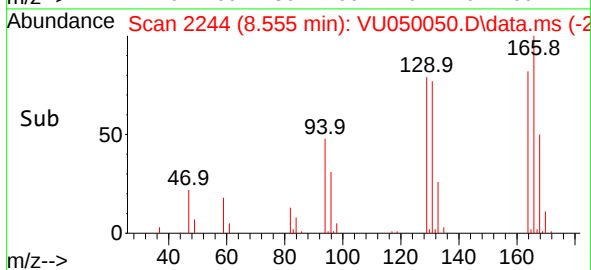
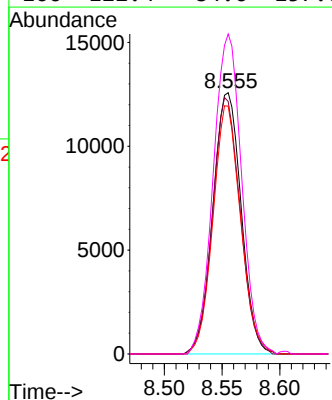
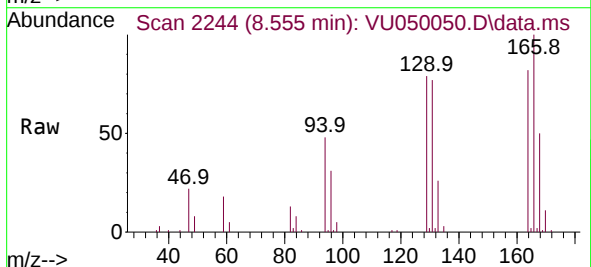
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

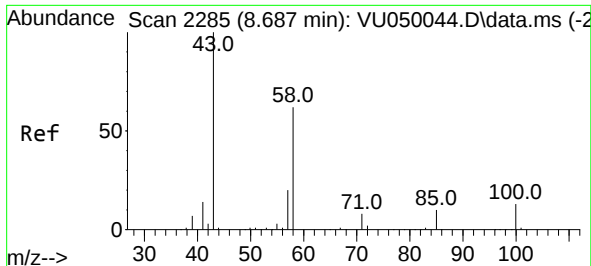
Tgt Ion:	97	Resp:	27315
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.5	80.9
83	91.3	59.9	111.3
85	60.1	39.9	74.1



#47
Tetrachloroethene
Concen: 5.241 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:	164	Resp:	21441
Ion	Ratio	Lower	Upper
164	100		
129	96.6	66.3	123.1
131	94.9	63.1	117.1
166	122.4	84.6	157.0

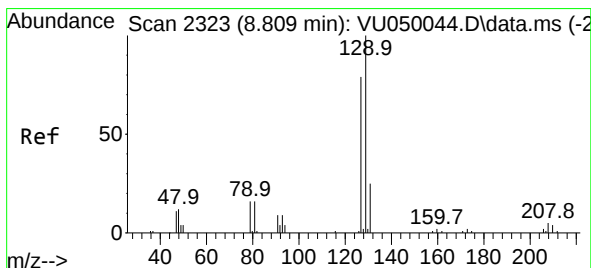
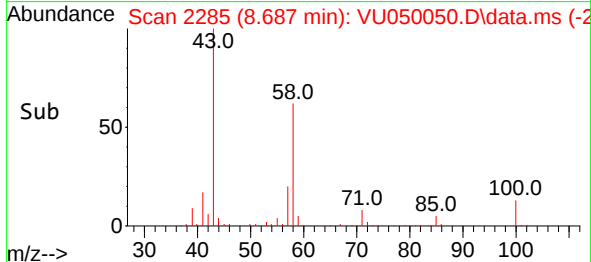
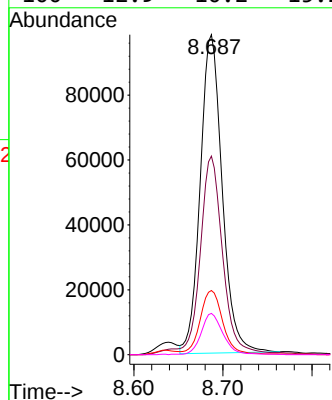
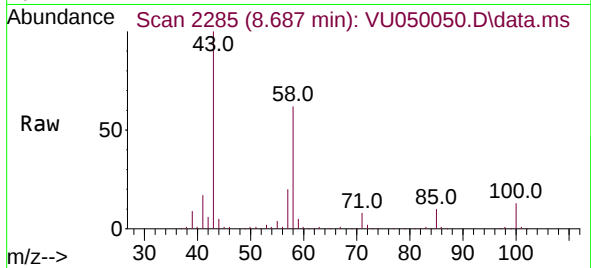




#48
2-Hexanone
Concen: 59.320 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

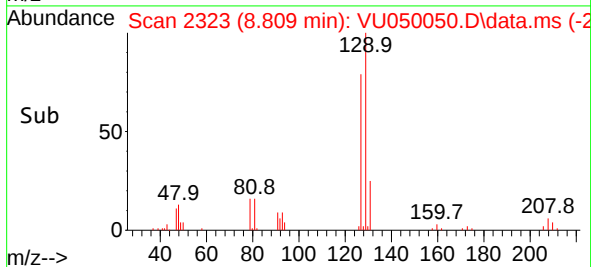
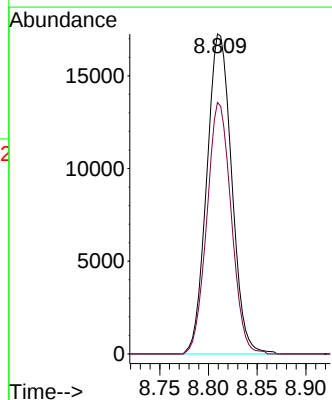
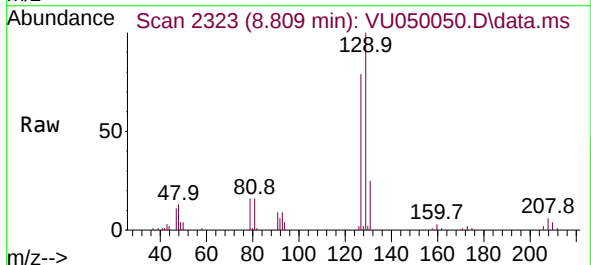
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

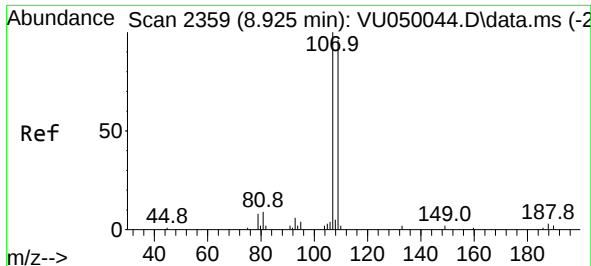
Tgt Ion:	43	Resp:	168397
Ion	Ratio	Lower	Upper
43	100		
58	65.3	49.4	74.0
57	20.5	17.0	25.4
100	12.9	10.2	15.2



#49
Dibromochloromethane
Concen: 5.834 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:	129	Resp:	30745
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.5	101.1

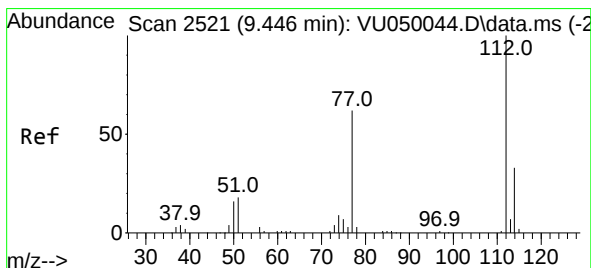
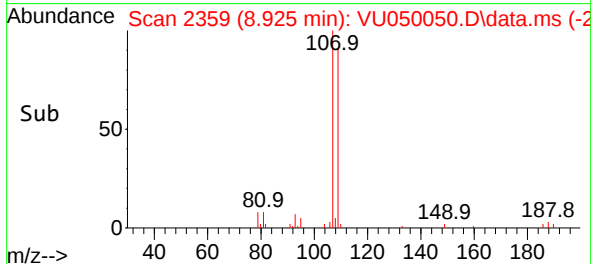
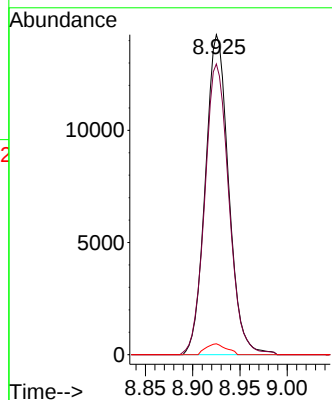
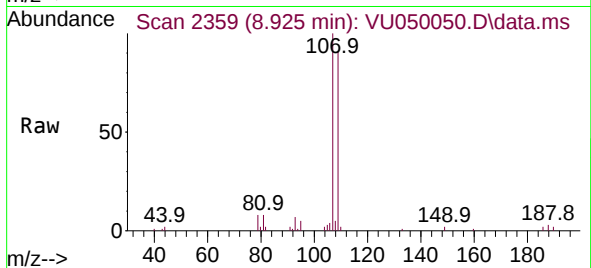




#50
1,2-Dibromoethane
Concen: 5.732 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

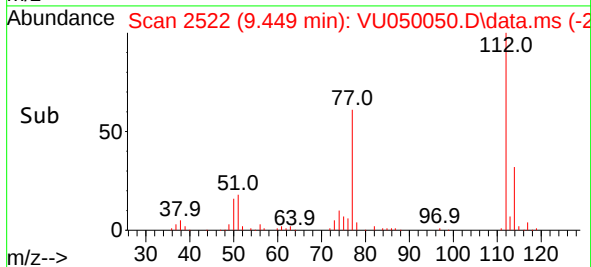
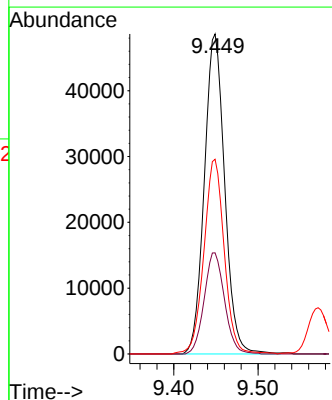
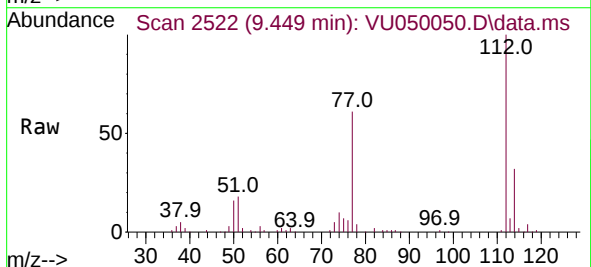
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

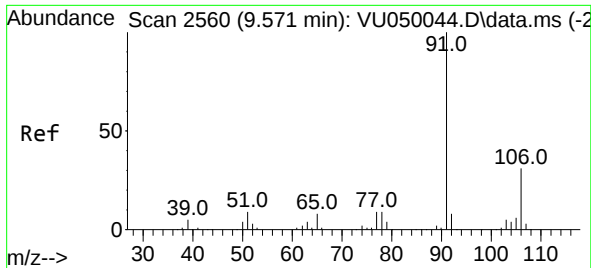
Tgt Ion:107 Resp: 24510
Ion Ratio Lower Upper
107 100
109 90.9 62.7 116.5
188 3.4 2.4 3.6



#51
Chlorobenzene
Concen: 5.418 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:112 Resp: 81794
Ion Ratio Lower Upper
112 100
114 31.6 22.4 41.6
77 60.9 48.2 72.4

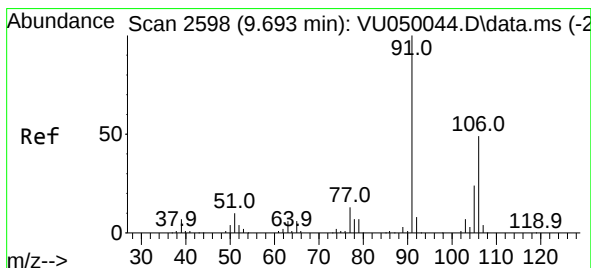
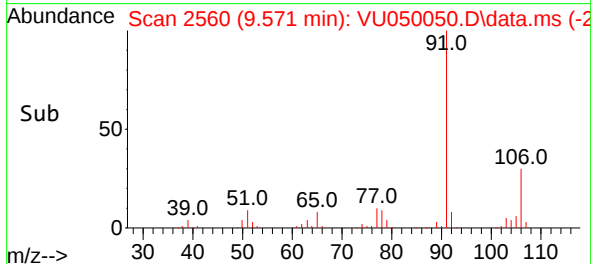
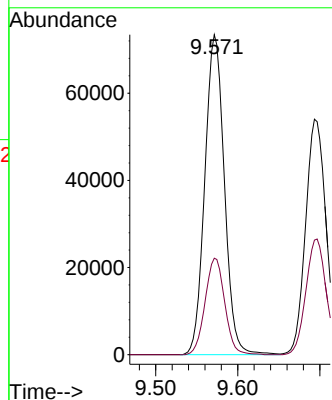
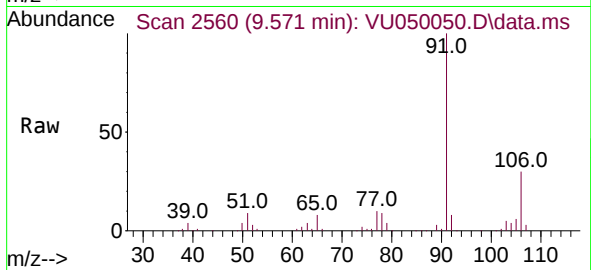




#52
Ethylbenzene
Concen: 5.218 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

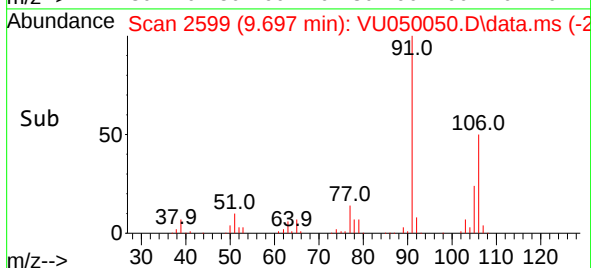
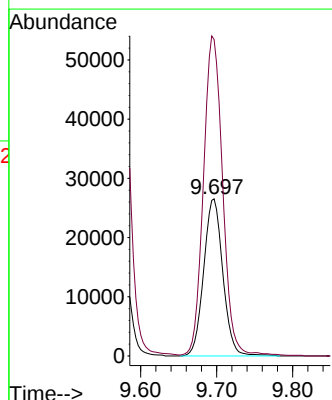
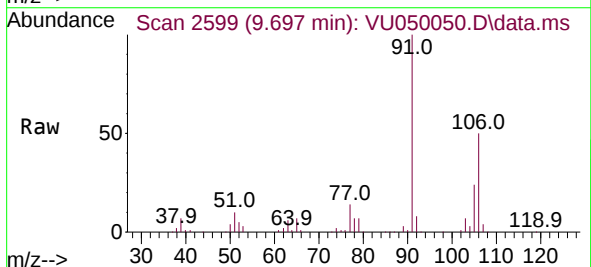
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

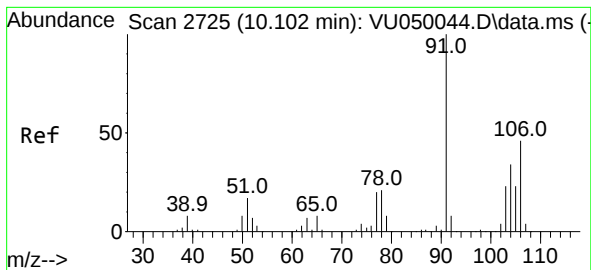
Tgt Ion: 91 Resp: 121557
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 5.237 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 106 Resp: 46453
Ion Ratio Lower Upper
106 100
91 201.4 142.4 264.4





#54

o-Xylene

Concen: 5.390 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

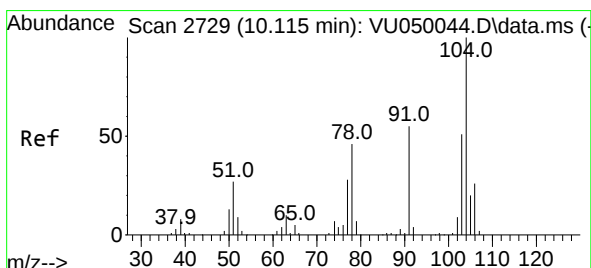
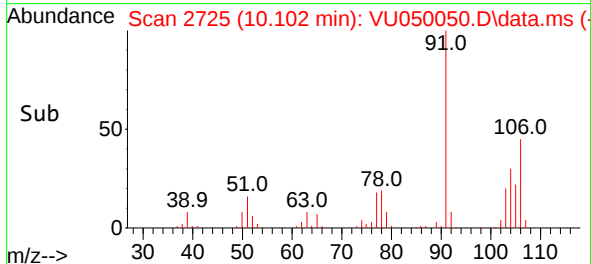
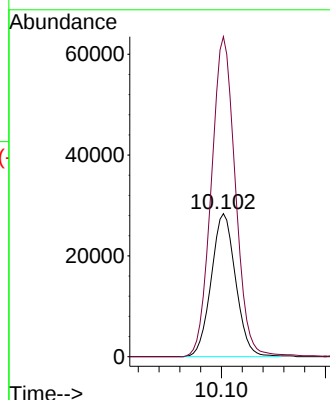
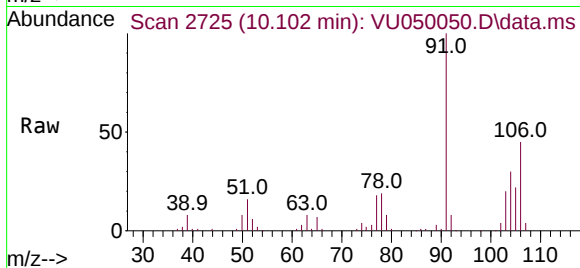
VSTD005144

Tgt Ion:106 Resp: 46350

Ion Ratio Lower Upper

106 100

91 223.7 148.7 276.1



#55

Styrene

Concen: 5.422 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU050050.D

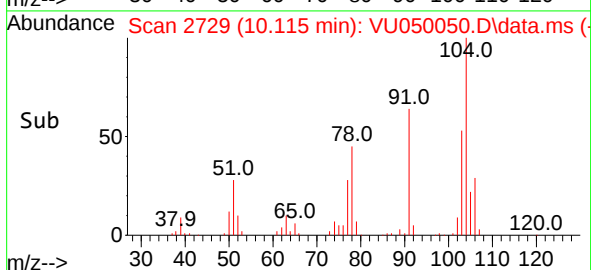
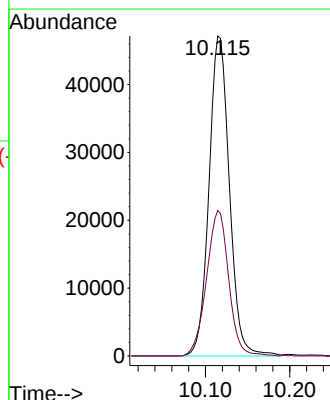
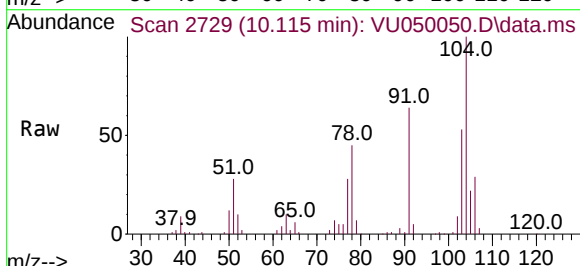
Acq: 03 Aug 2022 12:47

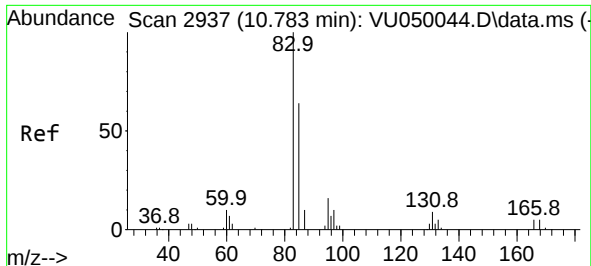
Tgt Ion:104 Resp: 79423

Ion Ratio Lower Upper

104 100

78 45.5 30.9 57.3

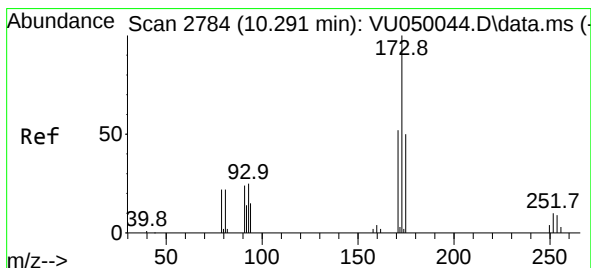
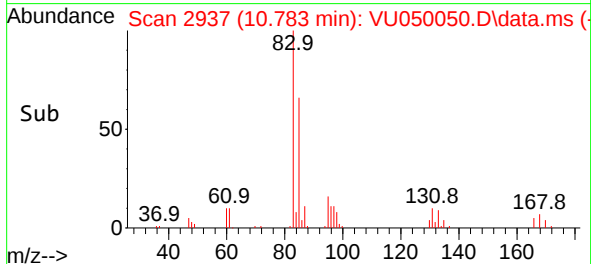
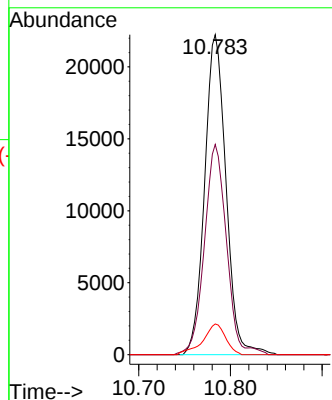
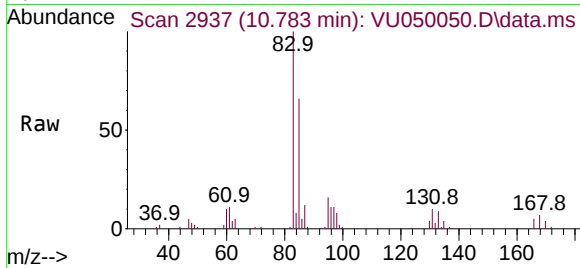




#57
1,1,2,2-Tetrachloroethane
Concen: 5.744 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

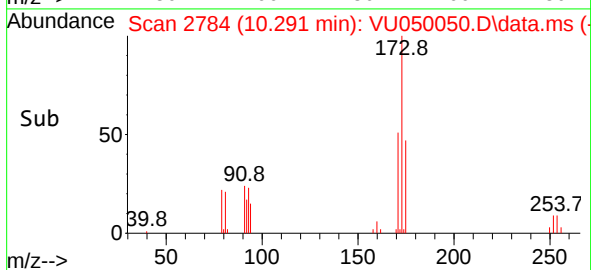
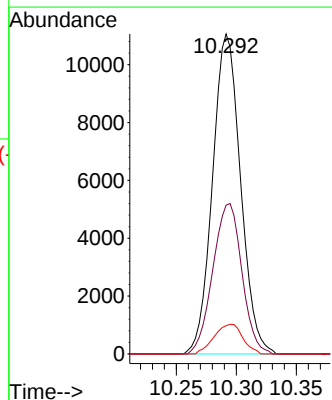
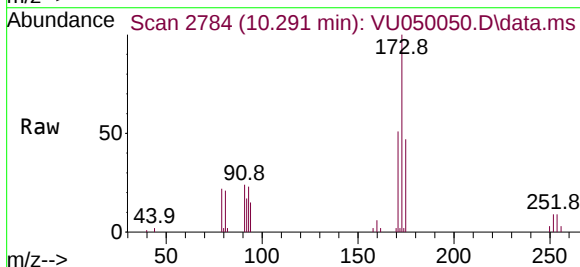
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

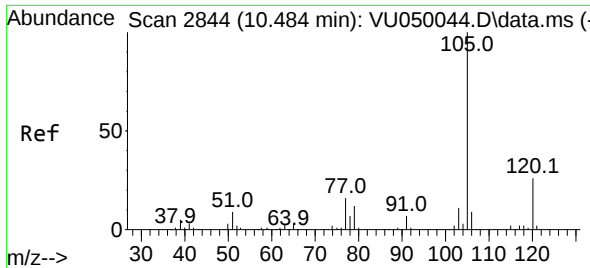
Tgt Ion: 83 Resp: 36008
Ion Ratio Lower Upper
83 100
85 65.7 46.6 86.6
131 9.6 7.9 11.9



#59
Bromoform
Concen: 5.877 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 173 Resp: 17940
Ion Ratio Lower Upper
173 100
175 48.7 39.1 58.7
254 9.5 7.5 11.3

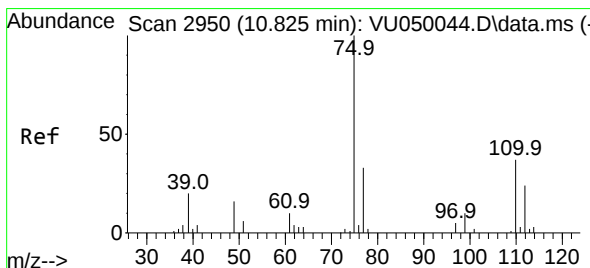
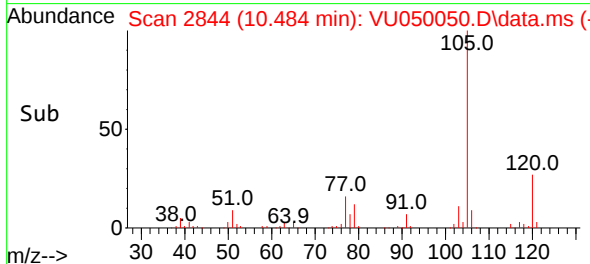
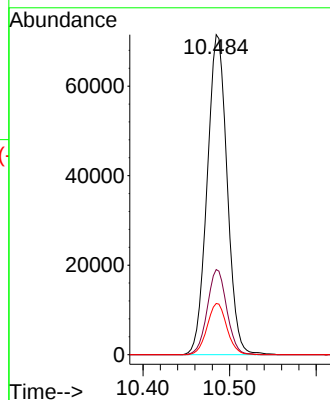
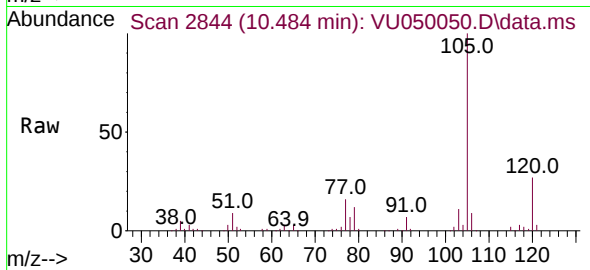




#60
Isopropylbenzene
Concen: 5.100 ug/L
RT: 10.484 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

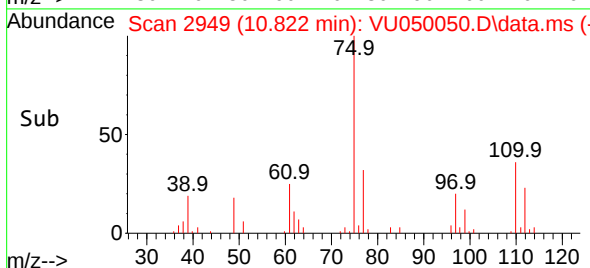
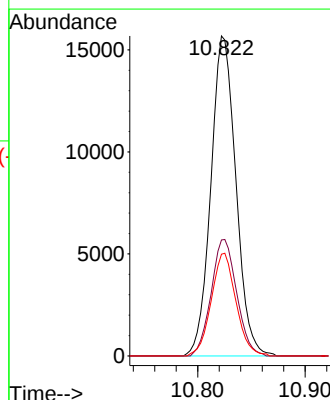
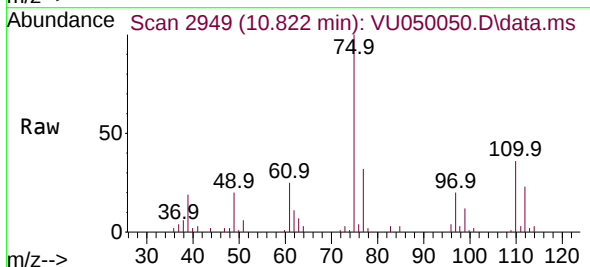
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

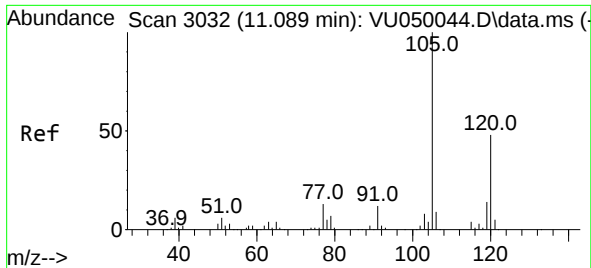
Tgt Ion:105 Resp: 114405
Ion Ratio Lower Upper
105 100
120 26.0 20.5 30.7
77 15.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.754 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion: 75 Resp: 25376
Ion Ratio Lower Upper
75 100
110 37.1 28.1 42.1
77 31.8 24.7 37.1

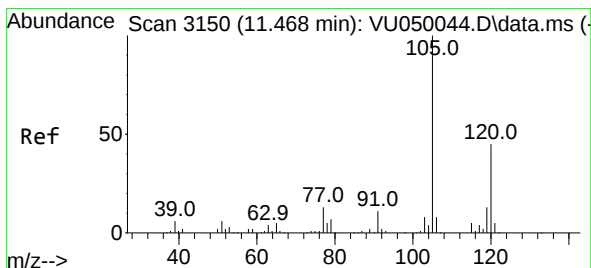
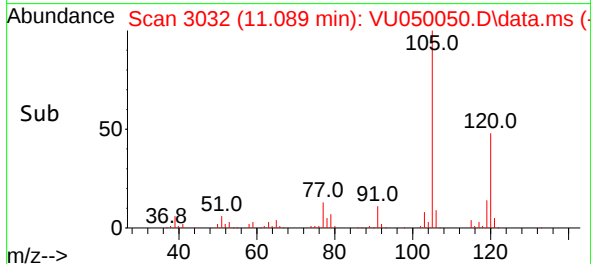
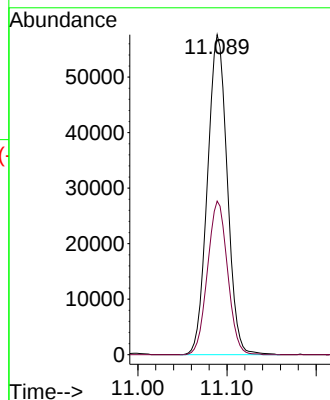
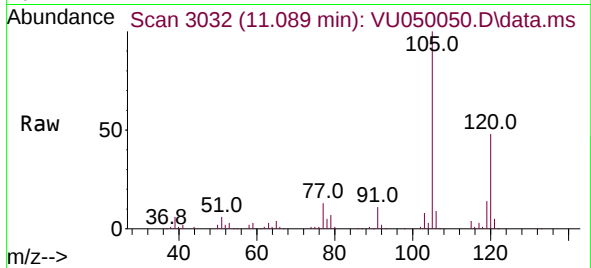




#62
1,3,5-Trimethylbenzene
Concen: 4.869 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

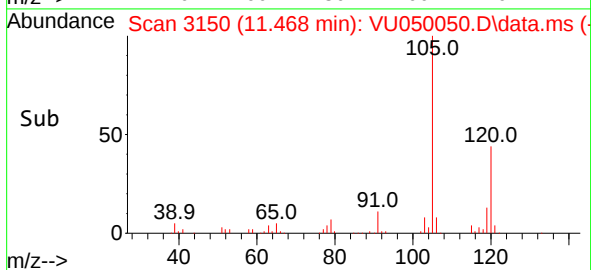
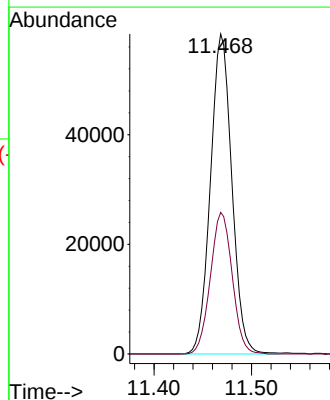
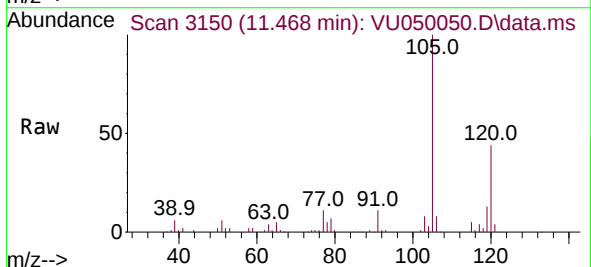
Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

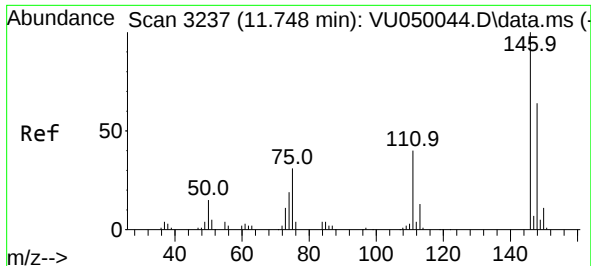
Tgt Ion:105 Resp: 88748
Ion Ratio Lower Upper
105 100
120 48.6 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.035 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:105 Resp: 88932
Ion Ratio Lower Upper
105 100
120 45.1 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 5.419 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005144

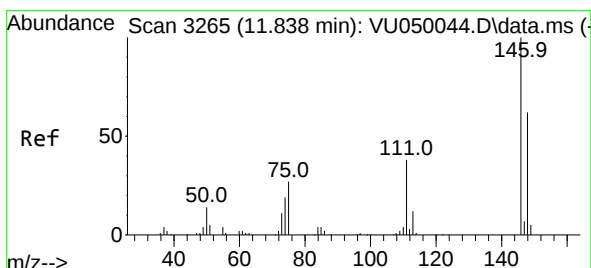
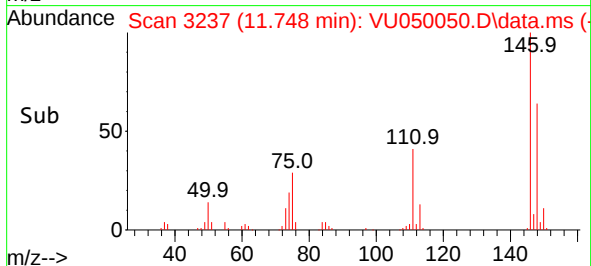
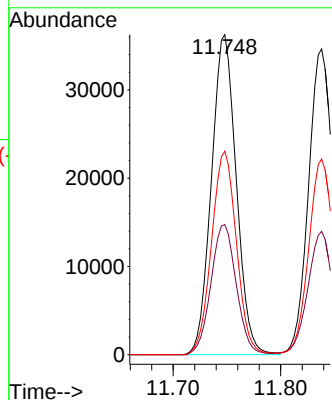
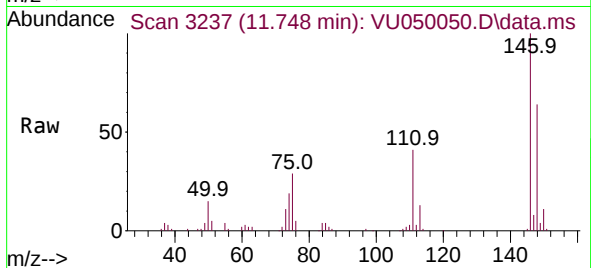
Tgt Ion:146 Resp: 58211

Ion Ratio Lower Upper

146 100

111 40.7 28.9 53.7

148 63.6 45.9 85.3



#65

1,4-Dichlorobenzene

Concen: 5.288 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

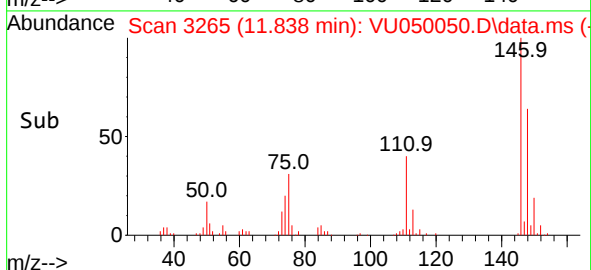
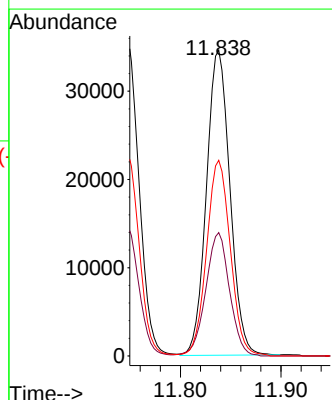
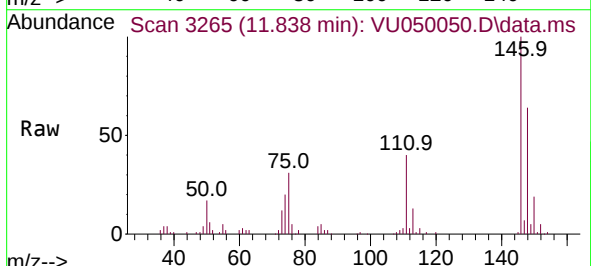
Tgt Ion:146 Resp: 56205

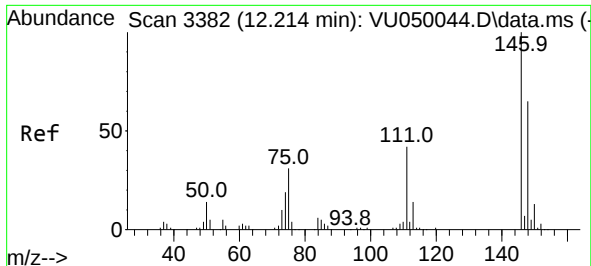
Ion Ratio Lower Upper

146 100

111 40.4 26.4 49.0

148 64.0 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.510 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005144

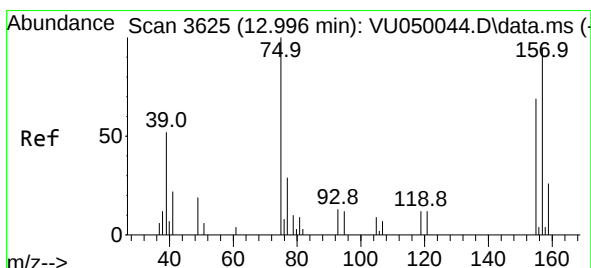
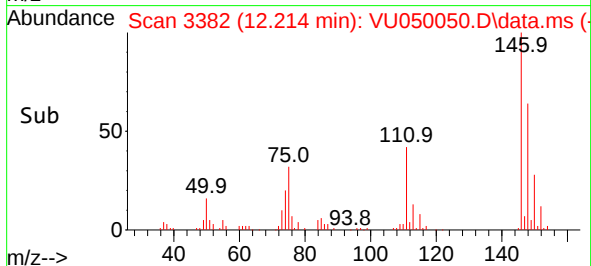
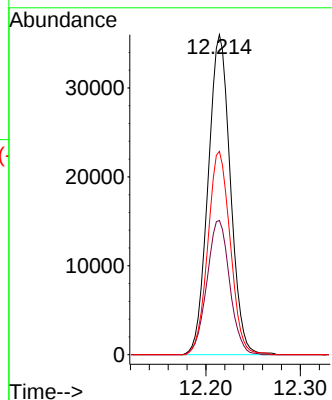
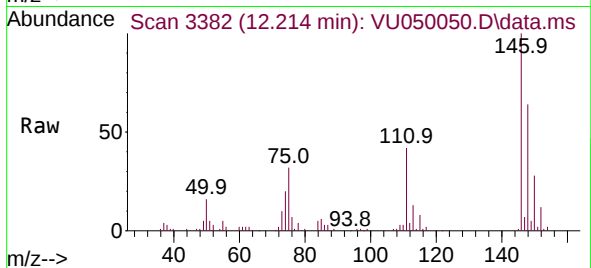
Tgt Ion:146 Resp: 58802

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.2

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 6.049 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

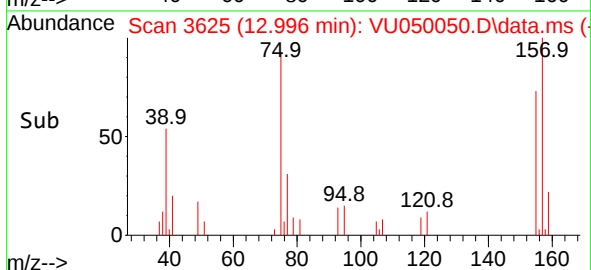
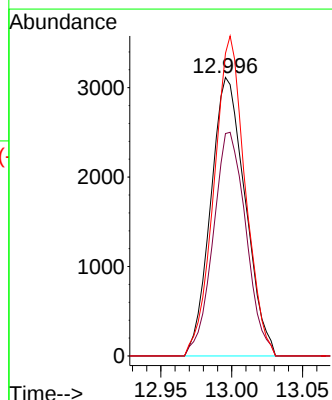
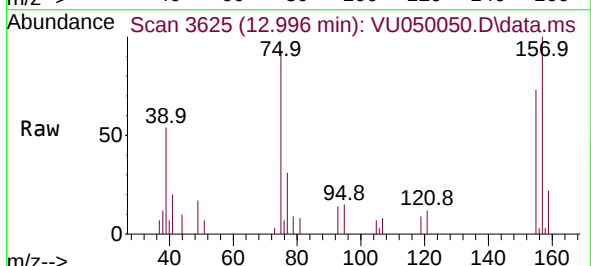
Tgt Ion: 75 Resp: 5270

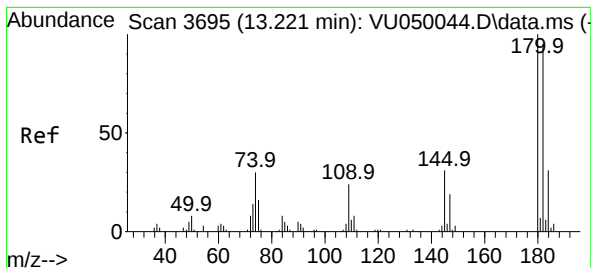
Ion Ratio Lower Upper

75 100

155 79.9 59.4 89.0

157 108.7 73.8 110.6





#69

1,3,5-Trichlorobenzene

Concen: 5.249 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005144

Tgt Ion:180 Resp: 40651

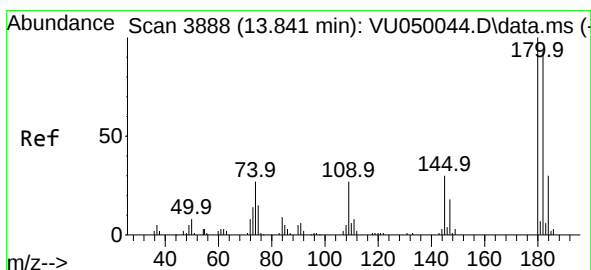
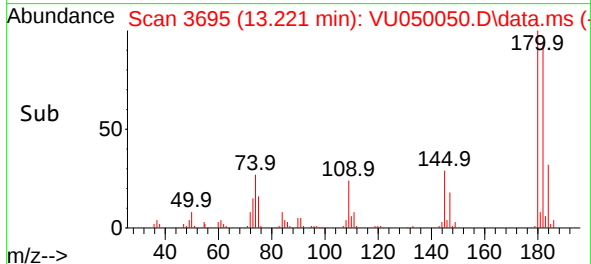
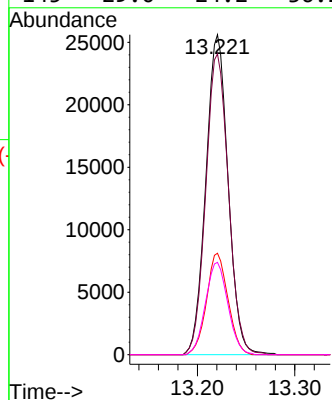
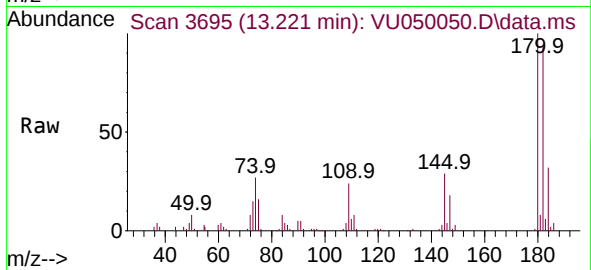
Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

184 30.6 23.9 35.9

145 29.0 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 5.155 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050050.D

Acq: 03 Aug 2022 12:47

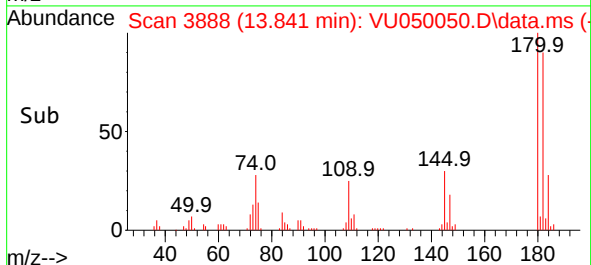
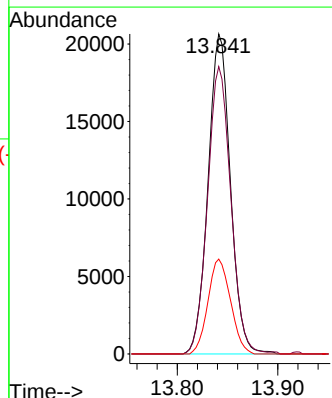
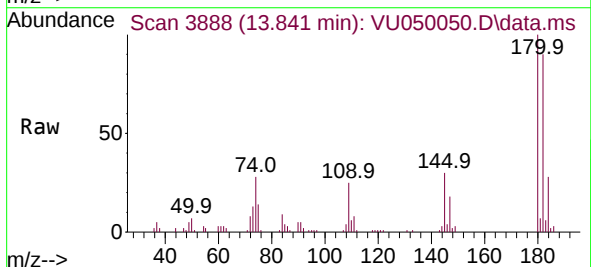
Tgt Ion:180 Resp: 31850

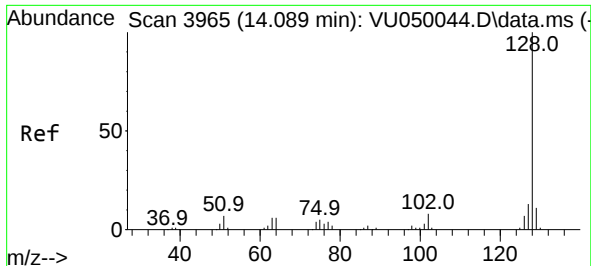
Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

145 29.9 23.8 35.8

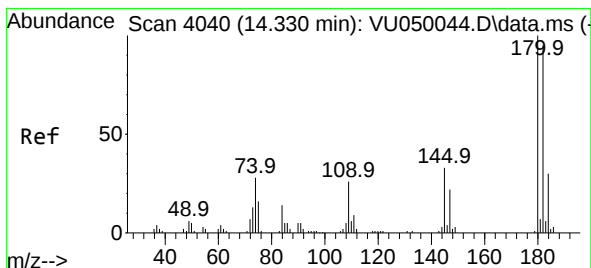
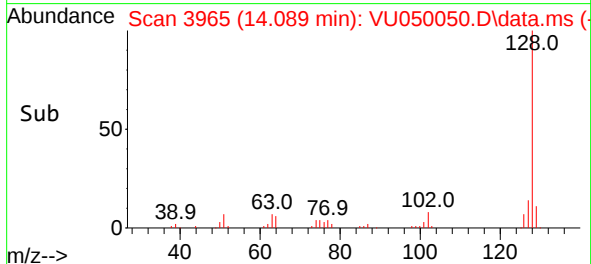
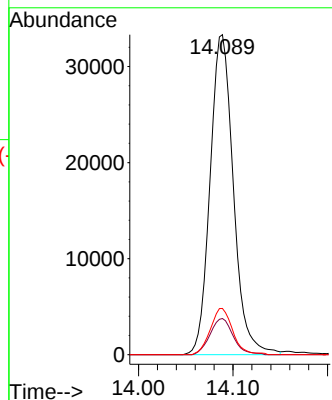
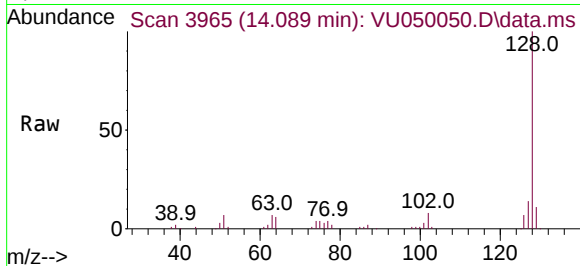




#71
Naphthalene
Concen: 4.664 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD005144

Tgt Ion:	128	Resp:	57131
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.5	12.7
127	13.9	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.264 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050050.D
Acq: 03 Aug 2022 12:47

Tgt Ion:	180	Resp:	32278
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.0	115.4
145	31.7	26.3	39.5

