

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U043023\
 Data File : VU053987.D
 Acq On : 29 Apr 2023 15:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Quant Time: May 01 02:08:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	301204	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	275992	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	144897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	106930	46.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.880%
7) Chloroethane-d5	1.909	69	68715	45.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.900%
11) 1,1-Dichloroethene-d2	2.565	63	185353	45.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.740%
21) 2-Butanone-d5	4.623	46	125480	96.579	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.580%
24) Chloroform-d	5.057	84	197041	47.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.694	65	123498	45.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
32) Benzene-d6	5.723	84	383143	47.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.320%
36) 1,2-Dichloropropane-d6	6.684	67	121664	47.439	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.880%
41) Toluene-d8	7.893	98	351046	47.863	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.720%
43) trans-1,3-Dichloroprop...	8.173	79	62085	48.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.840%
47) 2-Hexanone-d5	8.629	63	90417	98.432	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.430%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	159304	47.157	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.320%
66) 1,2-Dichlorobenzene-d4	12.185	152	137372	48.531	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	96134	44.237	ug/L	99
3) Chloromethane	1.517	50	91537	45.832	ug/L	100
5) Vinyl chloride	1.604	62	97242	45.776	ug/L	100
6) Bromomethane	1.855	94	52950	44.714	ug/L	96
8) Chloroethane	1.929	64	52688	45.515	ug/L	98
9) Trichlorofluoromethane	2.134	101	149849	44.452	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	92187	45.726	ug/L	98
12) 1,1-Dichloroethene	2.575	96	81094	46.414	ug/L	95
13) Acetone	2.633	43	105279	82.555	ug/L	99
14) Carbon disulfide	2.790	76	183507	47.322	ug/L	98
15) Methyl Acetate	2.945	43	93246	46.690	ug/L	98
16) Methylene chloride	3.041	84	96596	43.837	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	83473	46.723	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	307286	46.785	ug/L	98
19) 1,1-Dichloroethane	3.861	63	174966	45.613	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	101561	46.260	ug/L	99
22) 2-Butanone	4.700	43	136788	90.853	ug/L	98
23) Bromochloromethane	4.967	128	52669	46.274	ug/L	98
25) Chloroform	5.080	83	182350	45.049	ug/L	98

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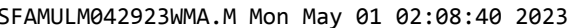
Instrument :
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 VSTD050083

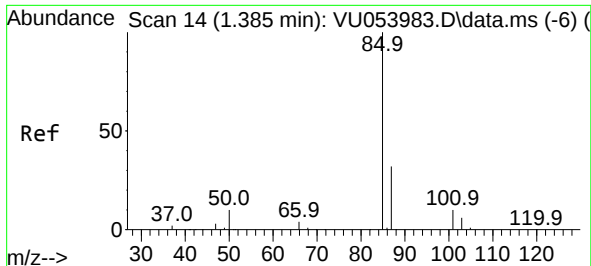
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	139452	44.789	ug/L	98
29) Cyclohexane	5.382	56	134844	47.274	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	155984	45.343	ug/L	100
31) Carbon tetrachloride	5.517	117	134185	45.722	ug/L	99
33) Benzene	5.768	78	373696	46.519	ug/L	100
34) Trichloroethene	6.536	95	98696	46.290	ug/L	99
35) Methylcyclohexane	6.758	83	138075	46.175	ug/L	99
37) 1,2-Dichloropropane	6.784	63	104443	45.955	ug/L	99
38) Bromodichloromethane	7.099	83	133360	46.575	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	164309	46.214	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	256484	96.838	ug/L	99
42) Toluene	7.964	91	390491	46.693	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	157932	46.741	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	102770	46.717	ug/L	96
46) Tetrachloroethene	8.549	164	75761	44.789	ug/L	99
48) 2-Hexanone	8.681	43	202967	96.696	ug/L	100
49) Dibromochloromethane	8.803	129	101089	46.634	ug/L	96
50) 1,2-Dibromoethane	8.919	107	105537	47.266	ug/L	97
51) Chlorobenzene	9.443	112	258429	46.201	ug/L	99
52) Ethylbenzene	9.565	91	435183	46.235	ug/L	100
53) m,p-Xylene	9.687	106	164201	46.458	ug/L	96
54) o-Xylene	10.095	106	163800	47.372	ug/L	96
55) Styrene	10.108	104	279844	47.185	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	160130	46.209	ug/L	99
59) Bromoform	10.285	173	76957	47.440	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	126878	47.142	ug/L	98
61) Isopropylbenzene	10.478	105	439421	48.042	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	357735	47.729	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	358714	48.556	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	205730	45.990	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	212318	46.603	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	208868	46.264	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	33682	49.054	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	152702	47.107	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	144179	49.062	ug/L	99
71) Naphthalene	14.079	128	467213	54.813	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	148419	50.771	ug/L	100

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

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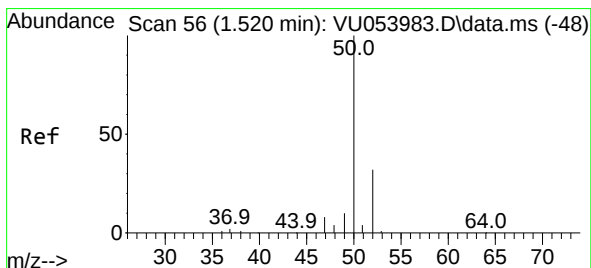
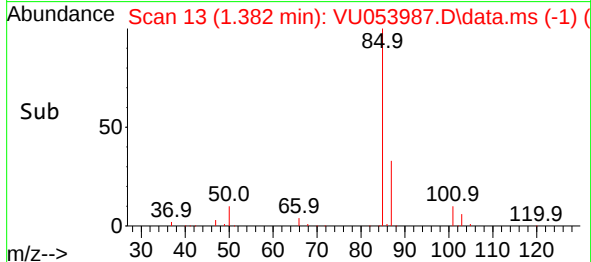
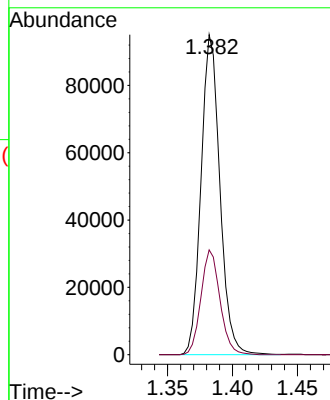
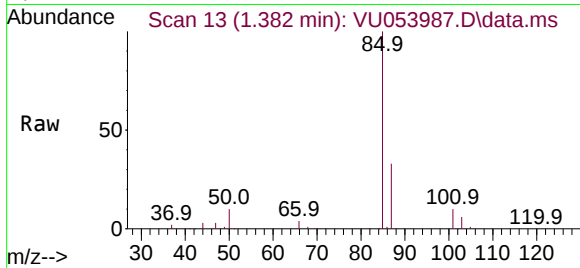




#2
 Dichlorodifluoromethane
 Concen: 44.237 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

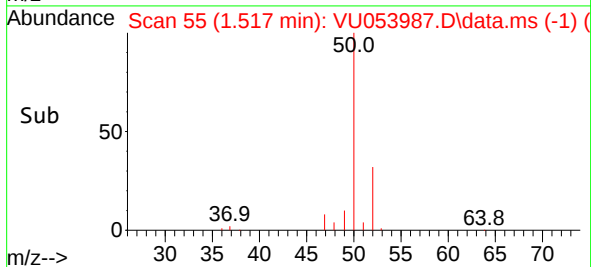
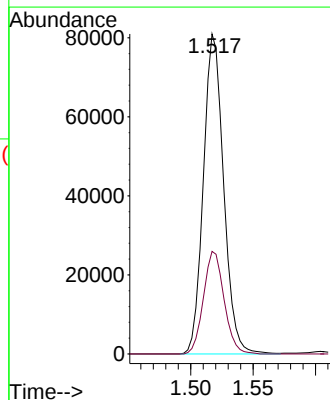
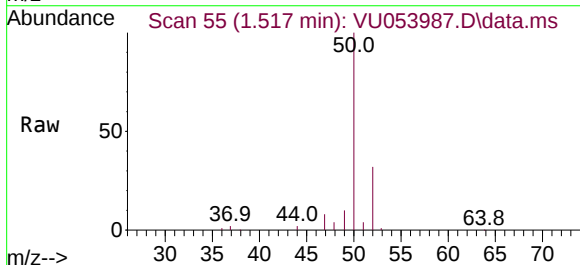
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

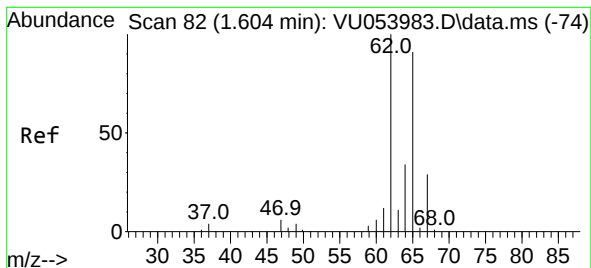
Tgt Ion: 85 Resp: 96134
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 45.832 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. -0.003 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Tgt Ion: 50 Resp: 91537
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.4 41.6





#5

Vinyl chloride

Concen: 45.776 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

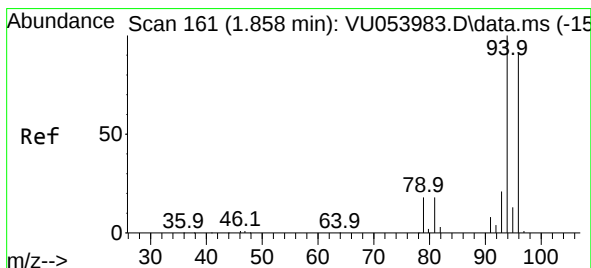
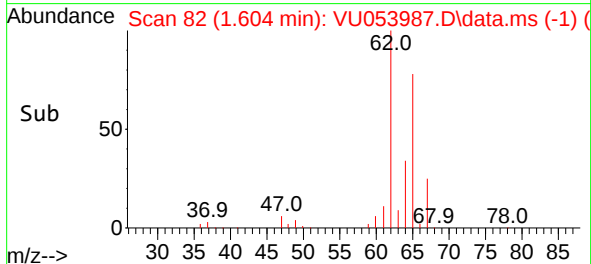
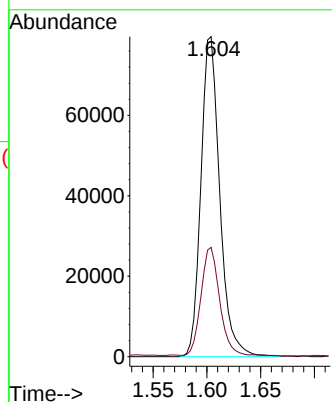
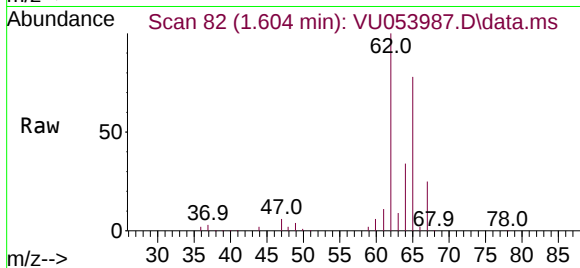
VSTD050083

Tgt Ion: 62 Resp: 97242

Ion Ratio Lower Upper

62 100

64 34.2 24.1 44.7



#6

Bromomethane

Concen: 44.714 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU053987.D

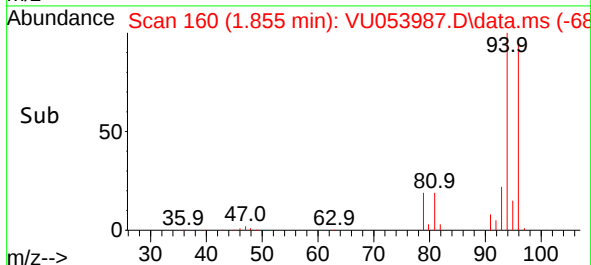
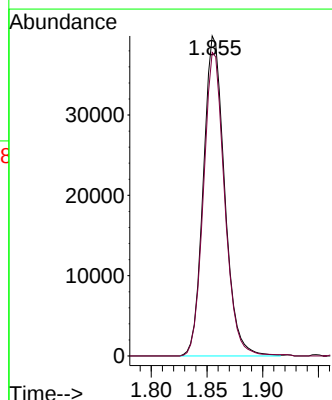
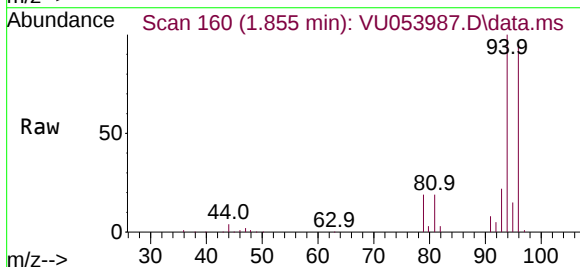
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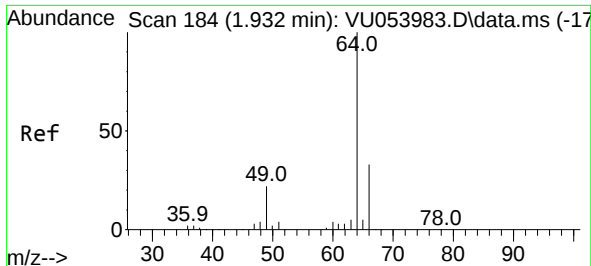
Tgt Ion: 94 Resp: 52950

Ion Ratio Lower Upper

94 100

96 94.9 63.9 118.7





#8

Chloroethane

Concen: 45.515 ug/L

RT: 1.929 min Scan# 183

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

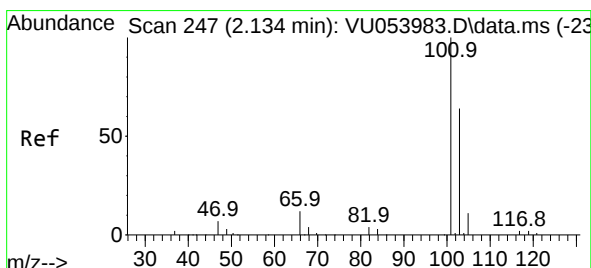
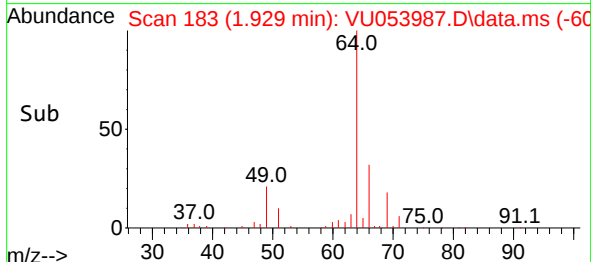
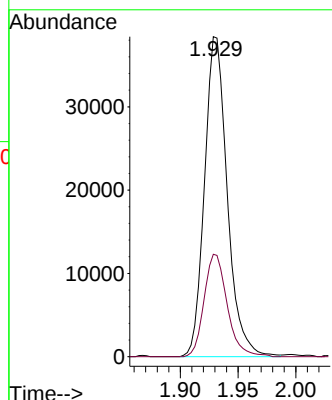
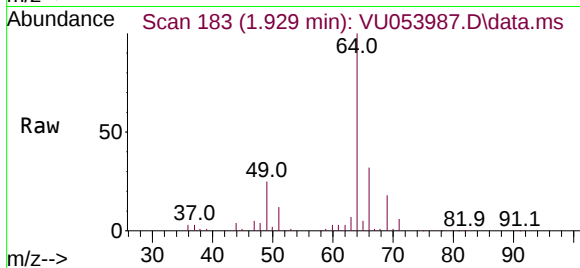
VSTD050083

Tgt Ion: 64 Resp: 52688

Ion Ratio Lower Upper

64 100

66 32.0 23.1 42.9



#9

Trichlorofluoromethane

Concen: 44.452 ug/L

RT: 2.134 min Scan# 247

Delta R.T. 0.000 min

Lab File: VU053987.D

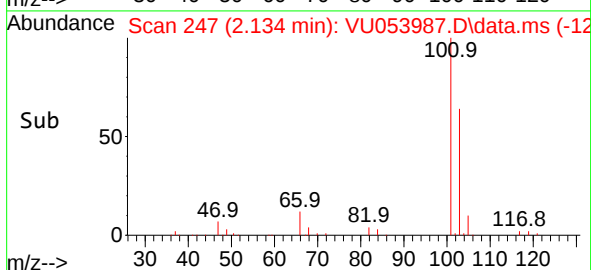
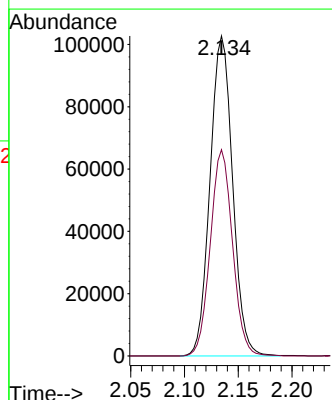
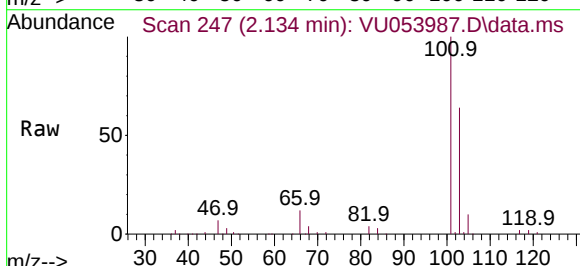
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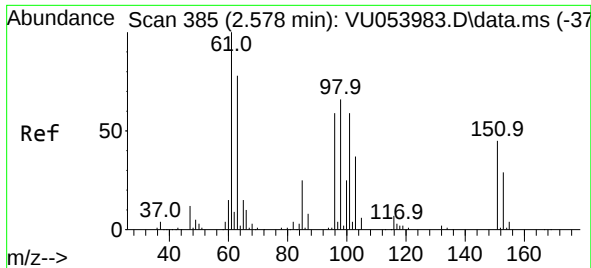
Tgt Ion:101 Resp: 149849

Ion Ratio Lower Upper

101 100

103 63.5 51.0 76.4

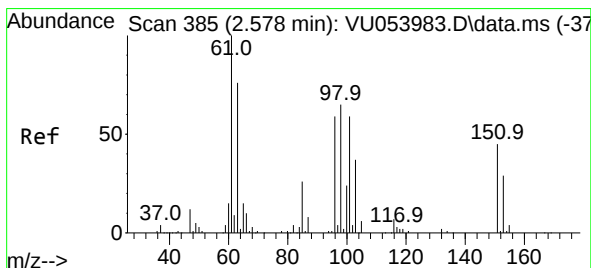
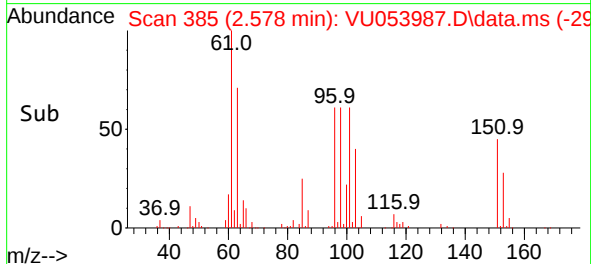
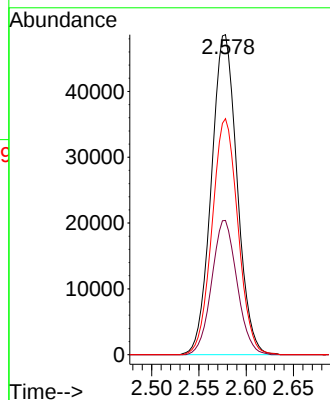
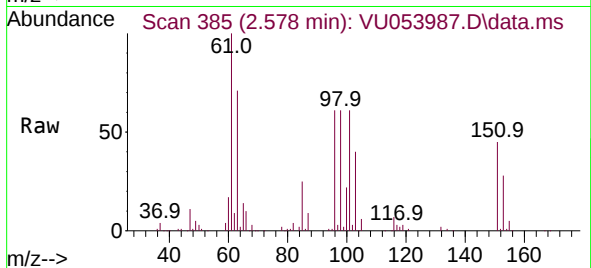




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.726 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

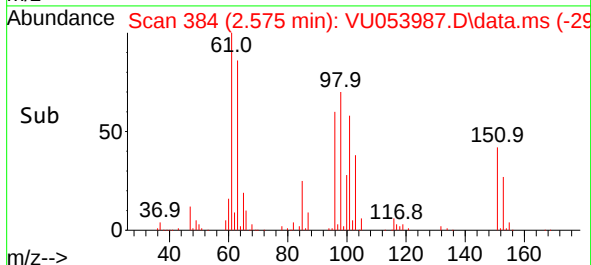
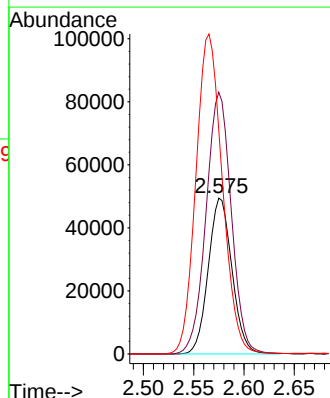
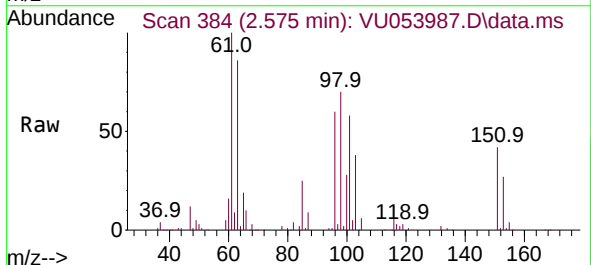
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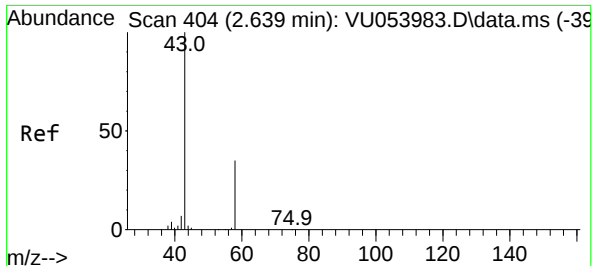
Tgt Ion:101 Resp: 92187
 Ion Ratio Lower Upper
 101 100
 85 41.1 34.3 51.5
 151 74.1 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 46.414 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Tgt Ion: 96 Resp: 81094
 Ion Ratio Lower Upper
 96 100
 61 168.0 118.3 219.7
 63 143.8 92.3 171.5





#13

Acetone

Concen: 82.555 ug/L

RT: 2.633 min Scan# 404

Delta R.T. -0.006 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

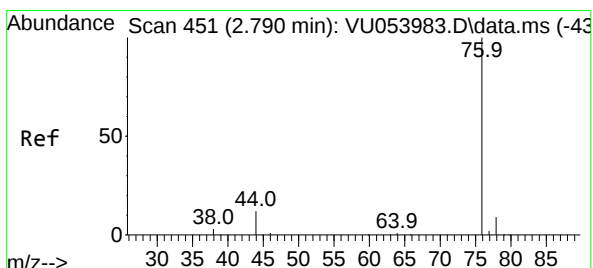
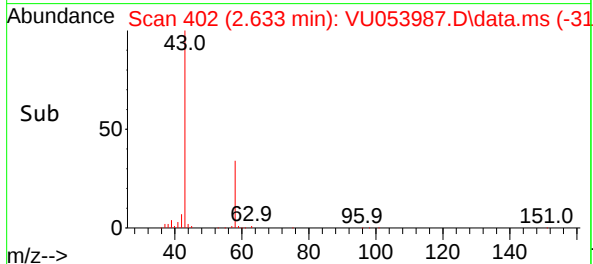
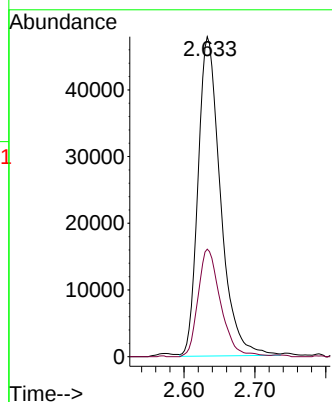
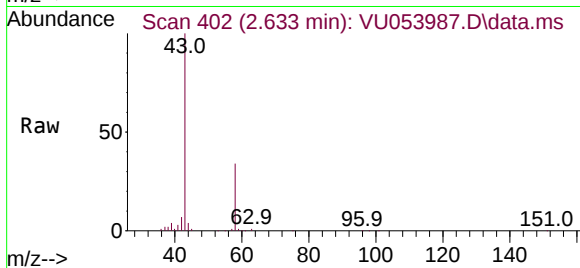
VSTD050083

Tgt Ion: 43 Resp: 105279

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.4



#14

Carbon disulfide

Concen: 47.322 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053987.D

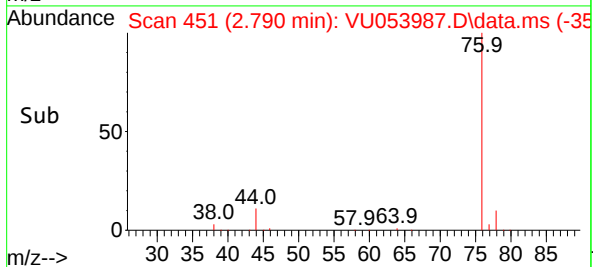
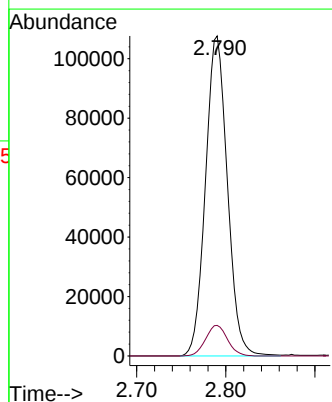
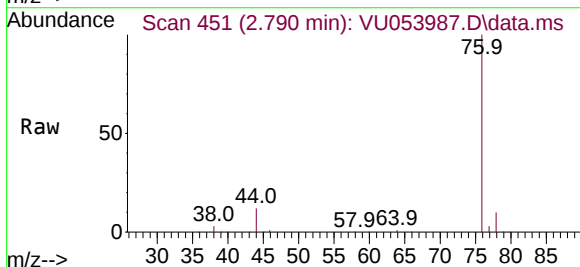
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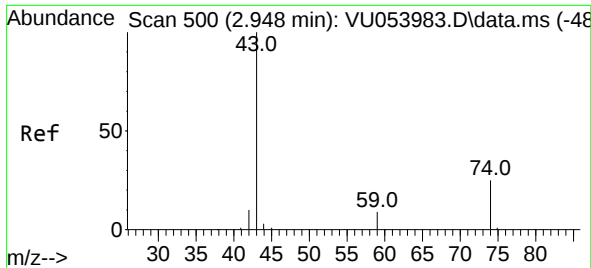
Tgt Ion: 76 Resp: 183507

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

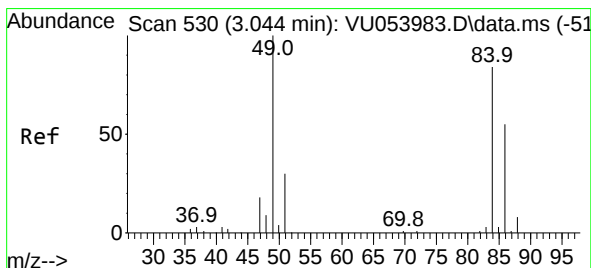
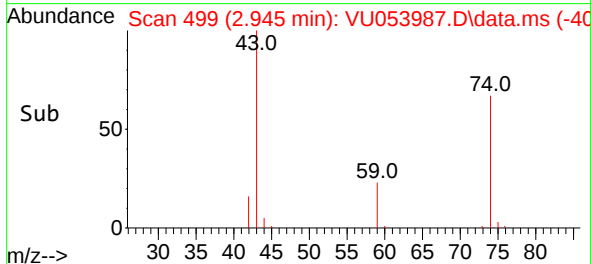
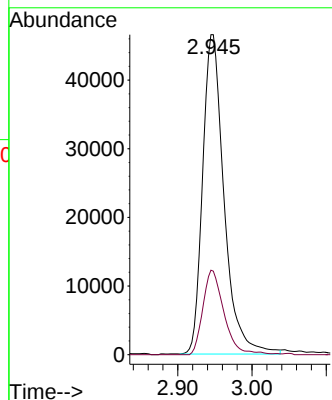
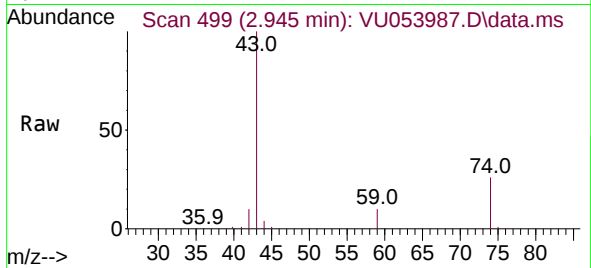




#15
Methyl Acetate
Concen: 46.690 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

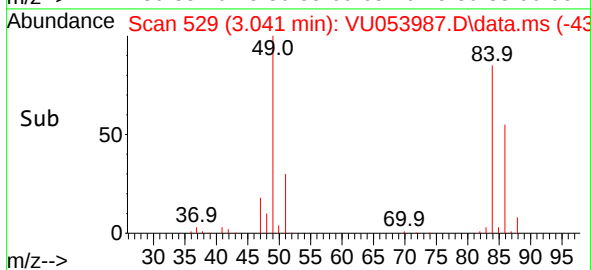
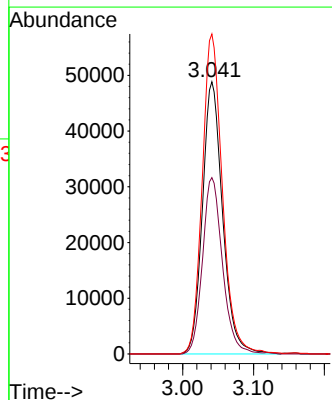
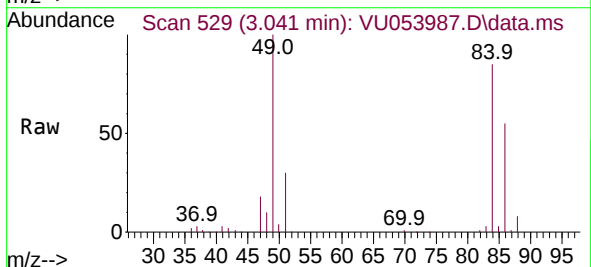
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

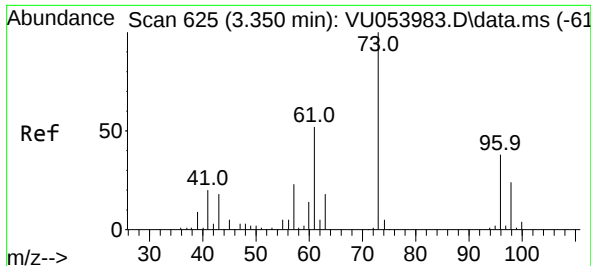
Tgt Ion: 43 Resp: 93246
Ion Ratio Lower Upper
43 100
74 25.7 21.2 31.8



#16
Methylene chloride
Concen: 43.837 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 84 Resp: 96596
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.2
49 117.6 83.0 154.2

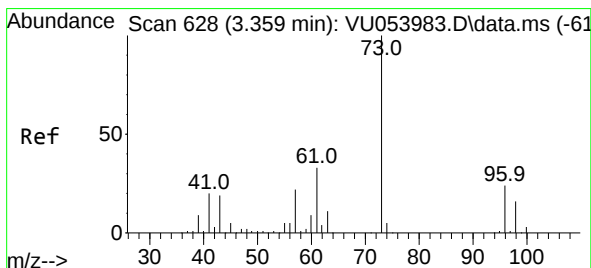
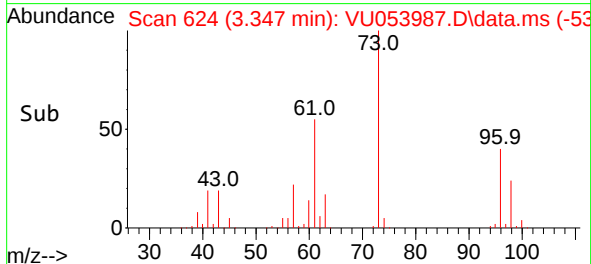
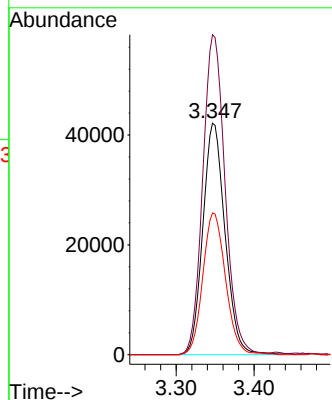
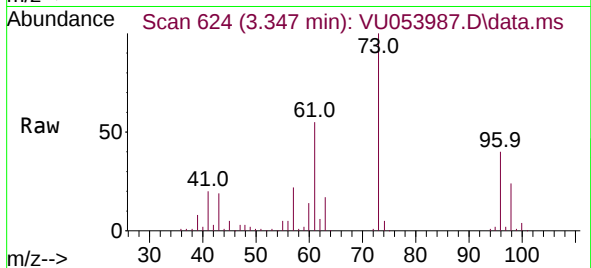




#17
trans-1,2-Dichloroethene
Concen: 46.723 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

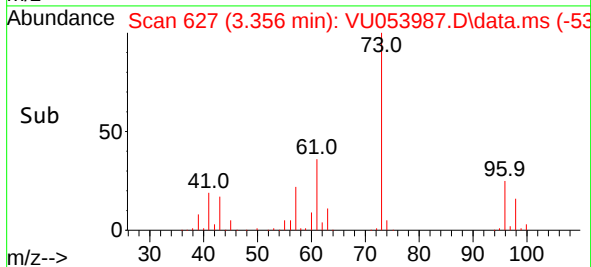
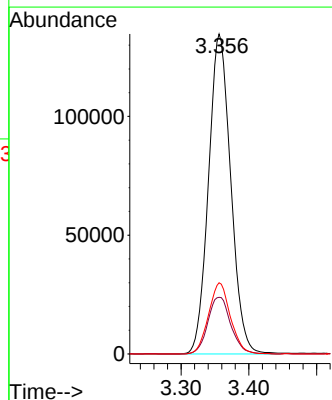
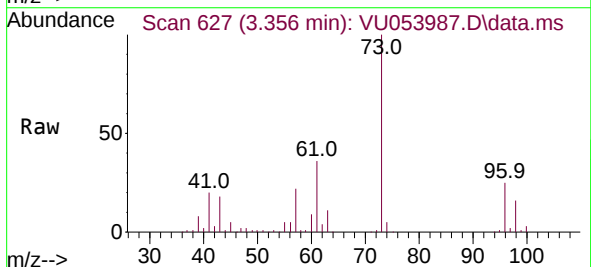
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

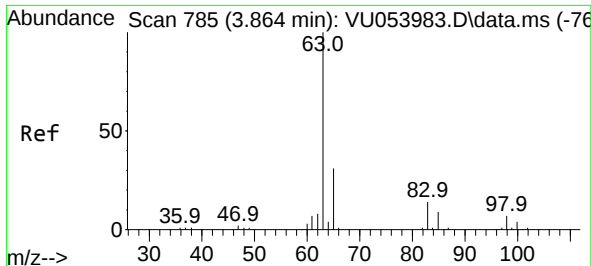
Tgt Ion: 96 Resp: 83473
Ion Ratio Lower Upper
96 100
61 138.2 97.5 181.1
98 61.2 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 46.785 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 73 Resp: 307286
Ion Ratio Lower Upper
73 100
43 18.4 15.4 23.0
57 21.8 18.0 27.0





#19

1,1-Dichloroethane

Concen: 45.613 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

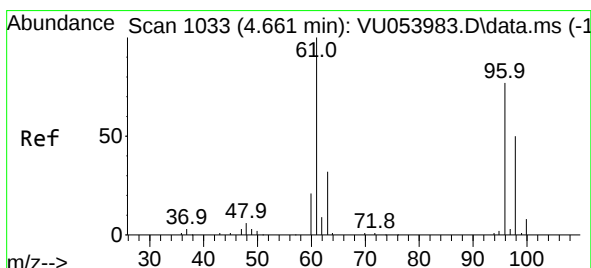
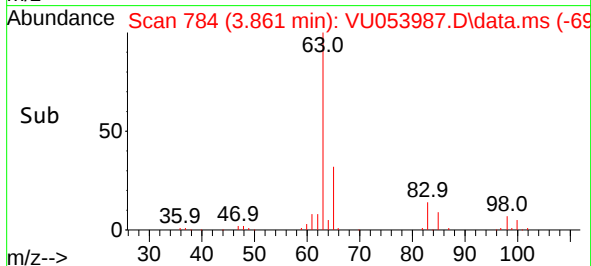
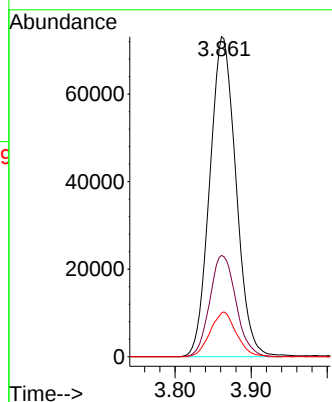
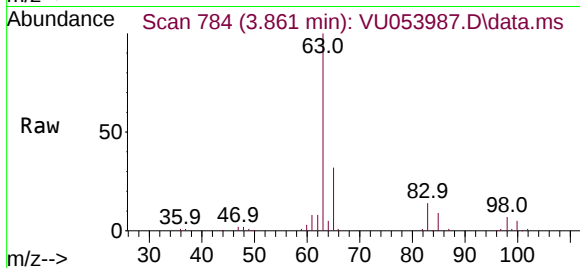
Tgt Ion: 63 Resp: 174966

Ion Ratio Lower Upper

63 100

65 31.6 22.0 40.8

83 13.7 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 46.260 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

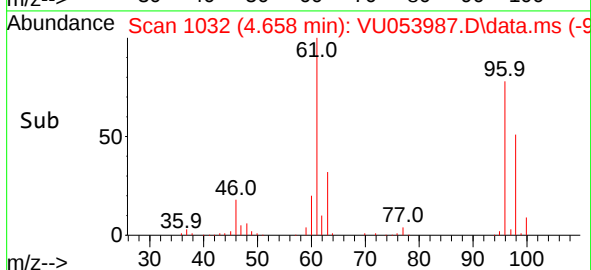
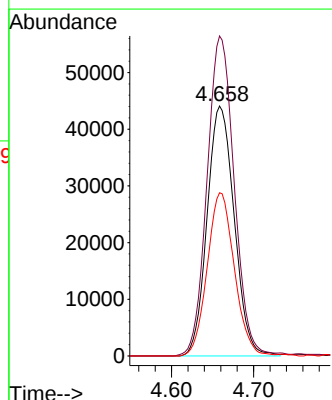
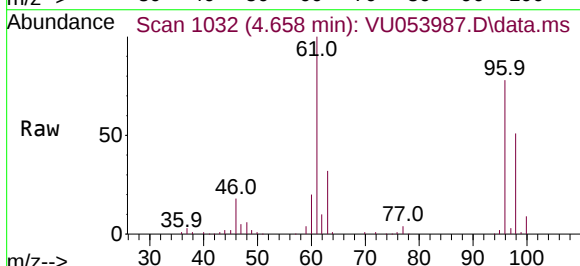
Tgt Ion: 96 Resp: 101561

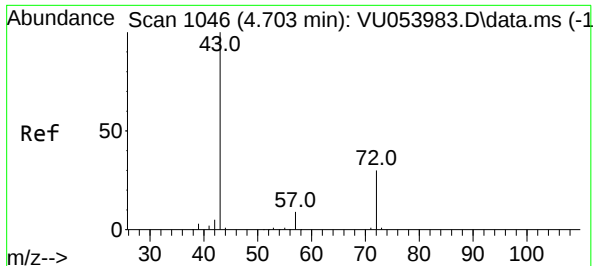
Ion Ratio Lower Upper

96 100

61 128.1 90.9 168.9

98 65.3 45.7 84.9





#22

2-Butanone

Concen: 90.853 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

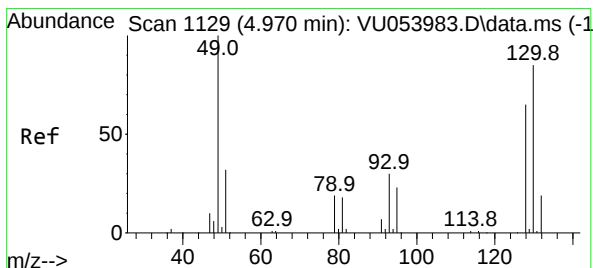
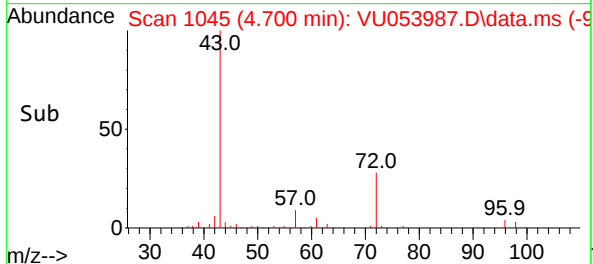
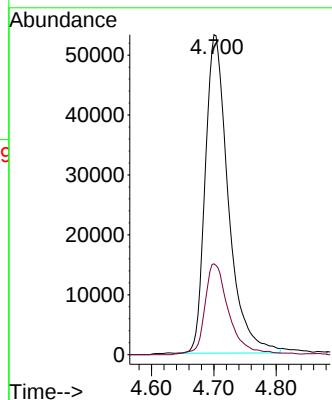
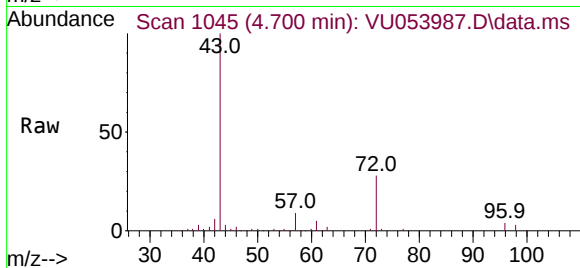
VSTD050083

Tgt Ion: 43 Resp: 136788

Ion Ratio Lower Upper

43 100

72 28.8 14.0 41.9



#23

Bromochloromethane

Concen: 46.274 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Tgt Ion:128 Resp: 52669

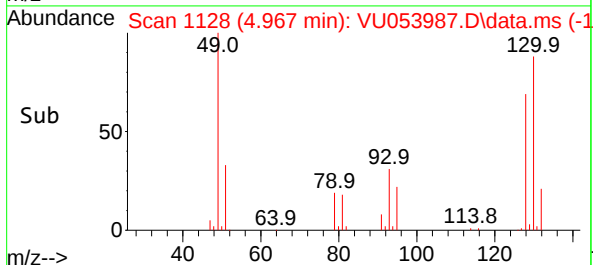
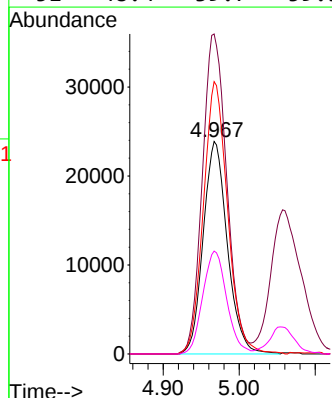
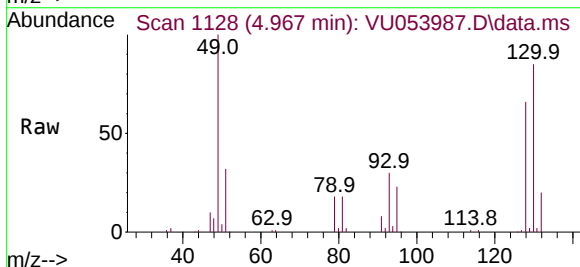
Ion Ratio Lower Upper

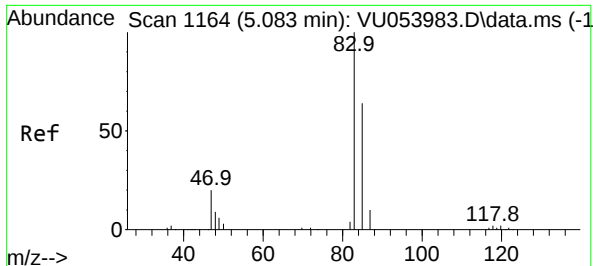
128 100

49 150.6 107.5 199.7

130 128.2 91.0 169.0

51 48.4 39.7 59.5





#25

Chloroform

Concen: 45.049 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

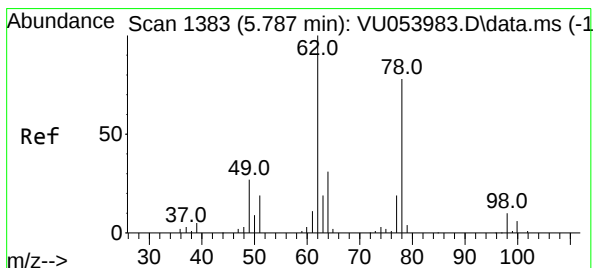
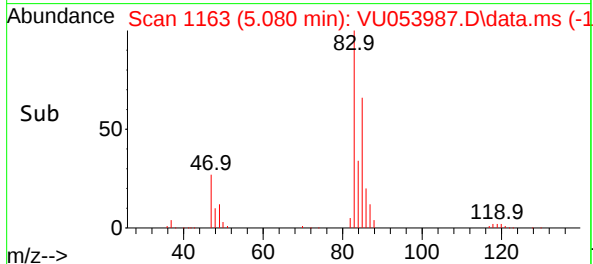
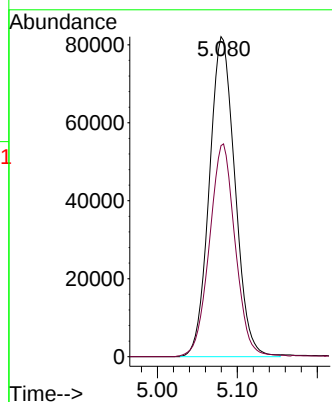
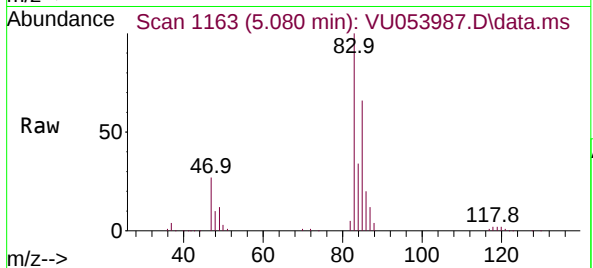
VSTD050083

Tgt Ion: 83 Resp: 182350

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 44.789 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053987.D

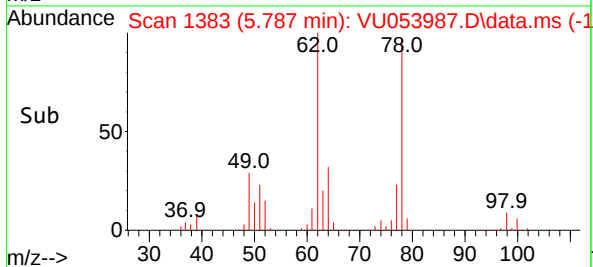
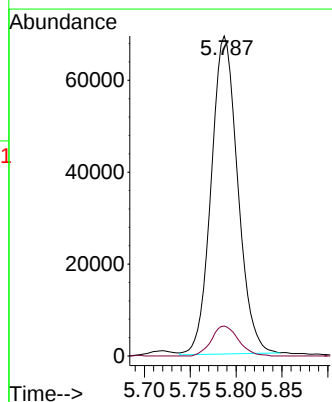
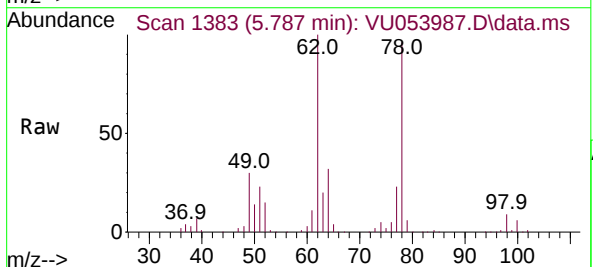
Acq: 29 Apr 2023 15:17

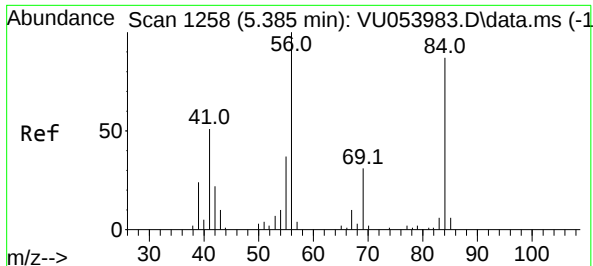
Tgt Ion: 62 Resp: 139452

Ion Ratio Lower Upper

62 100

98 9.4 8.0 12.0





#29

Cyclohexane

Concen: 47.274 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

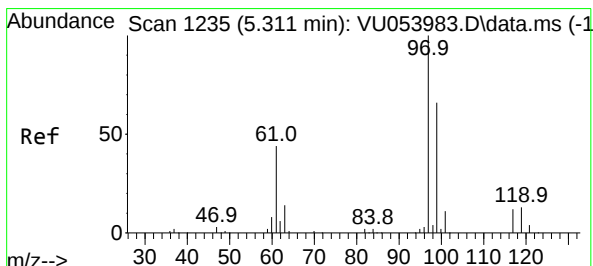
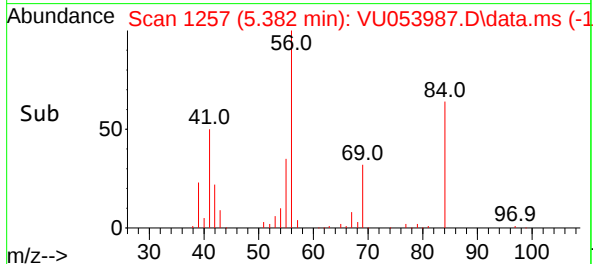
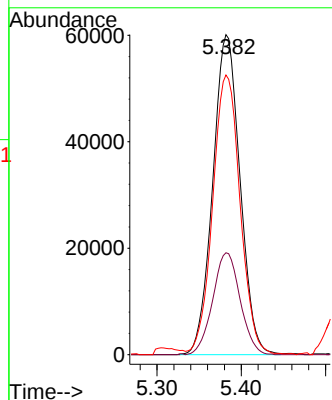
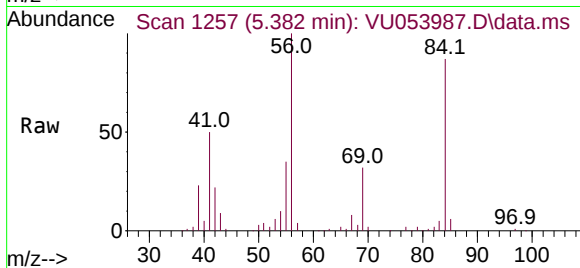
Tgt Ion: 56 Resp: 134844

Ion Ratio Lower Upper

56 100

69 32.0 25.8 38.6

84 88.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 45.343 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

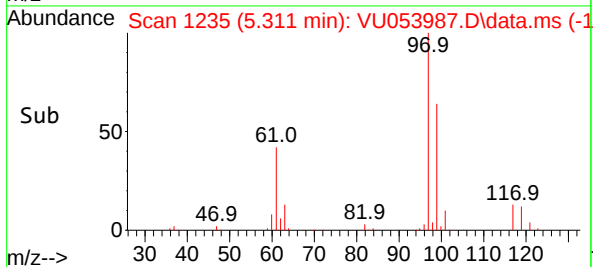
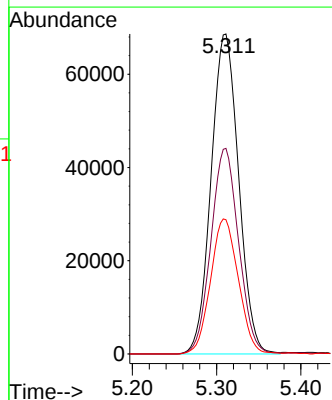
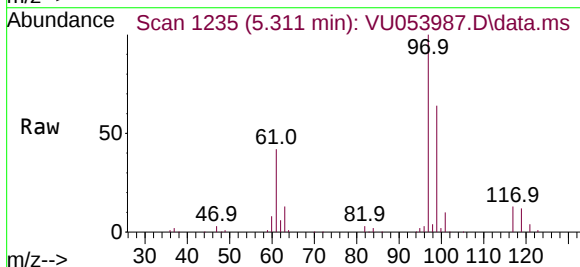
Tgt Ion: 97 Resp: 155984

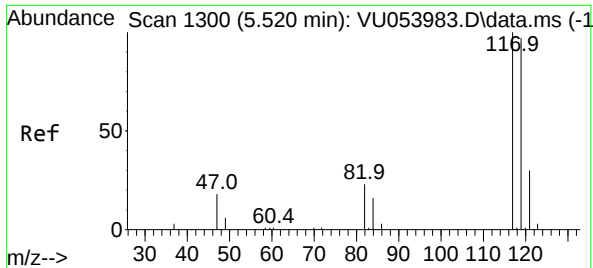
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 42.6 34.2 51.4

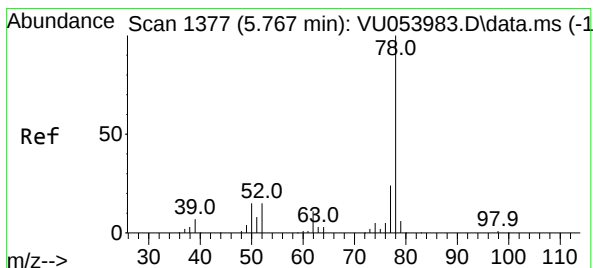
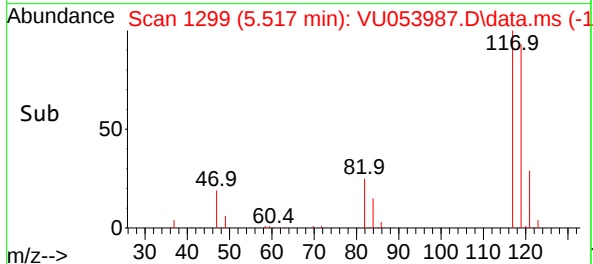
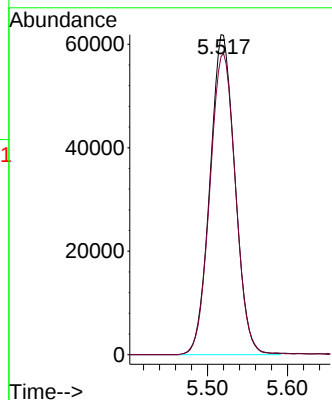
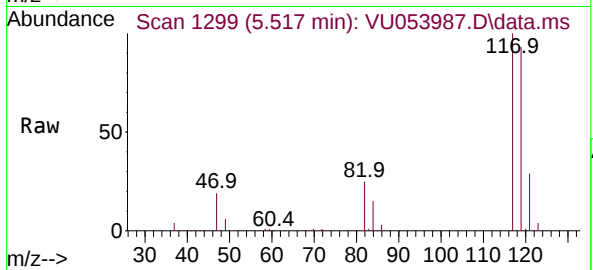




#31
Carbon tetrachloride
Concen: 45.722 ug/L
RT: 5.517 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

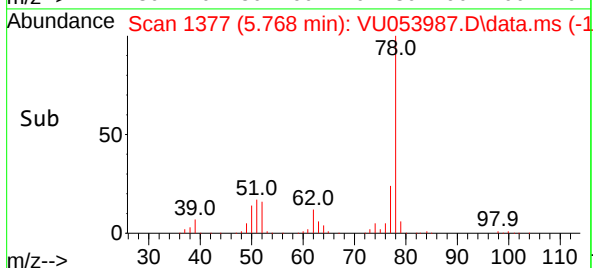
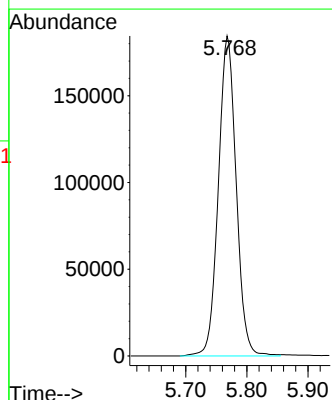
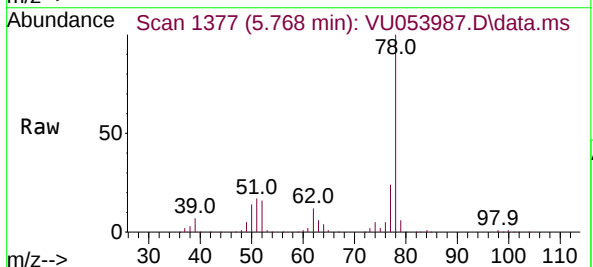
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

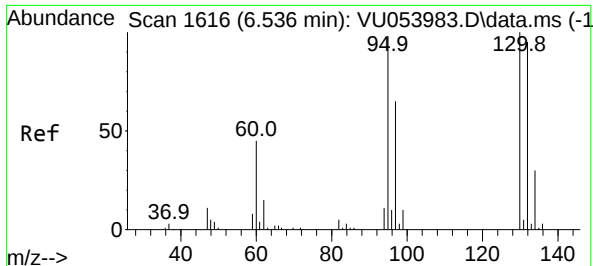
Tgt Ion:117 Resp: 134185
Ion Ratio Lower Upper
117 100
119 96.4 77.8 116.6



#33
Benzene
Concen: 46.519 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 78 Resp: 373696





#34

Trichloroethene

Concen: 46.290 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

Tgt Ion: 95 Resp: 98696

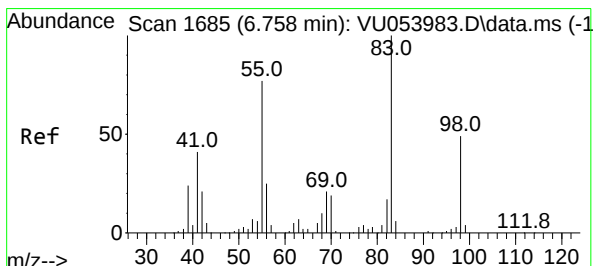
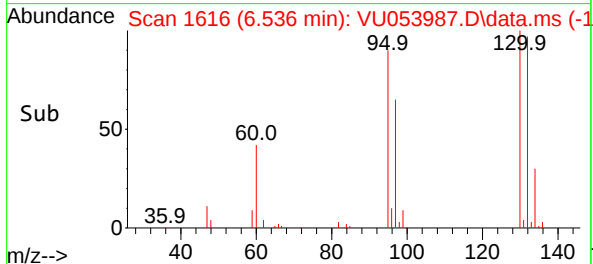
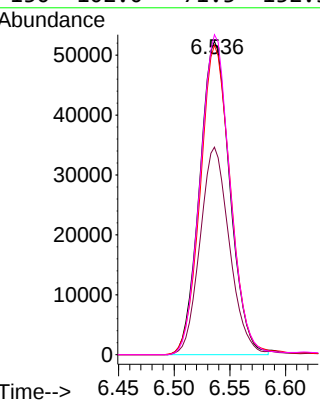
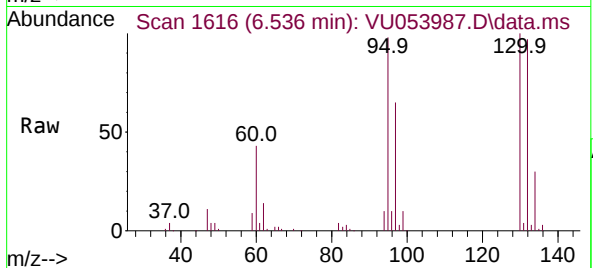
Ion Ratio Lower Upper

95 100

97 66.2 46.5 86.3

132 98.7 67.8 126.0

130 102.0 71.3 132.3



#35

Methylcyclohexane

Concen: 46.175 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

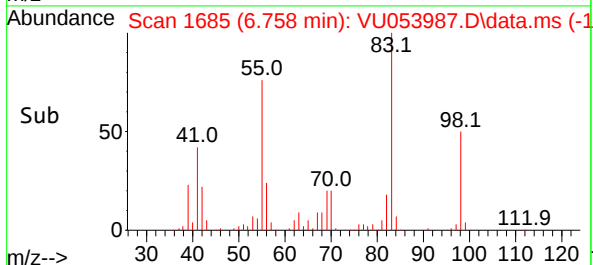
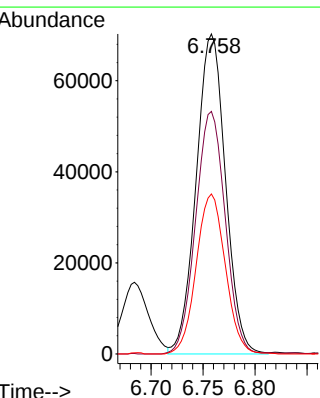
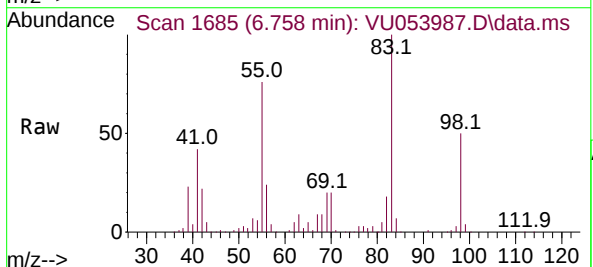
Tgt Ion: 83 Resp: 138075

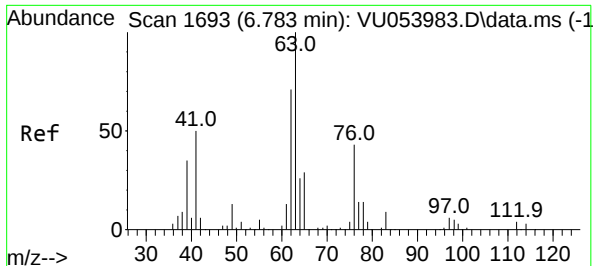
Ion Ratio Lower Upper

83 100

55 76.4 61.8 92.6

98 49.6 38.4 57.6





#37

1,2-Dichloropropane

Concen: 45.955 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

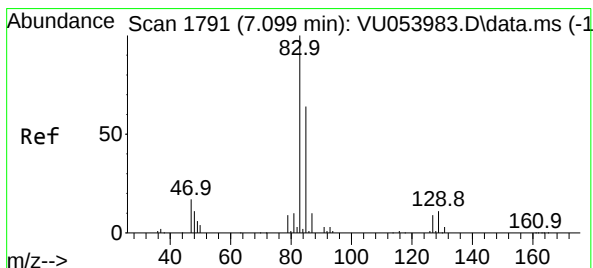
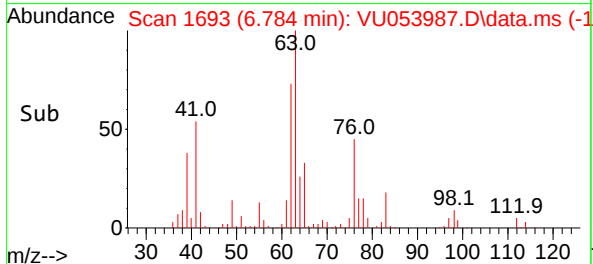
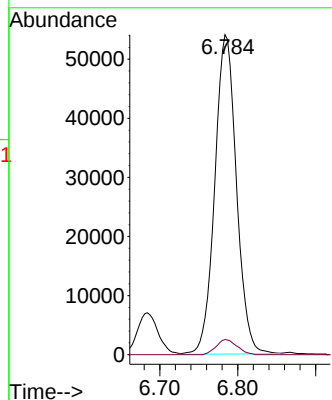
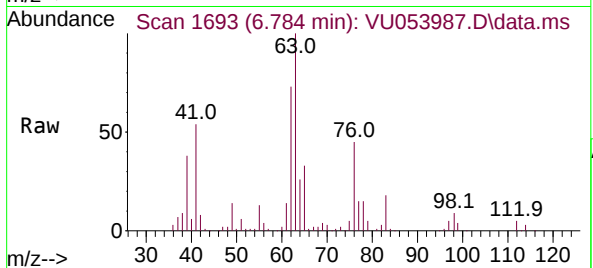
VSTD050083

Tgt Ion: 63 Resp: 104443

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.0



#38

Bromodichloromethane

Concen: 46.575 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

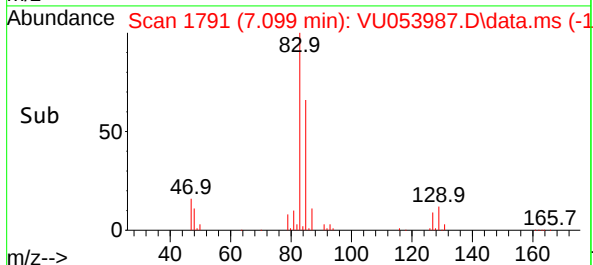
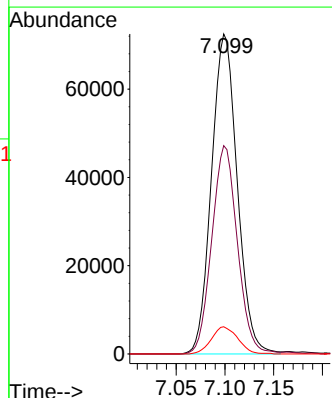
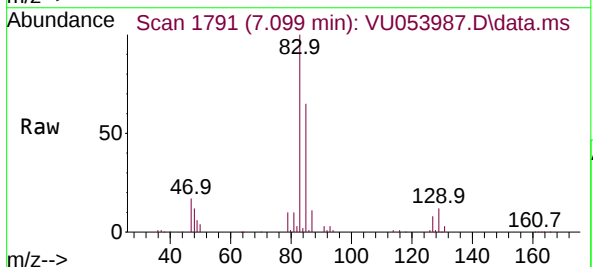
Tgt Ion: 83 Resp: 133360

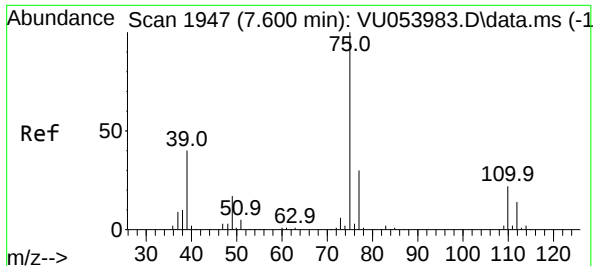
Ion Ratio Lower Upper

83 100

85 65.1 45.0 83.6

127 8.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 46.214 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

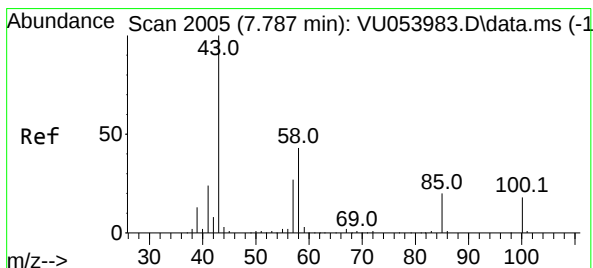
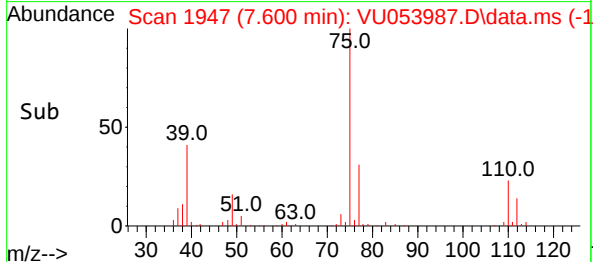
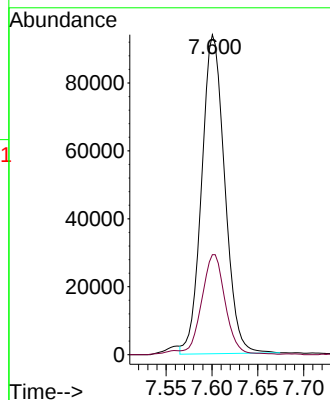
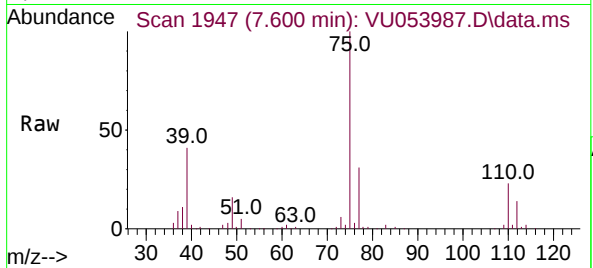
VSTD050083

Tgt Ion: 75 Resp: 164309

Ion Ratio Lower Upper

75 100

77 31.3 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 96.838 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

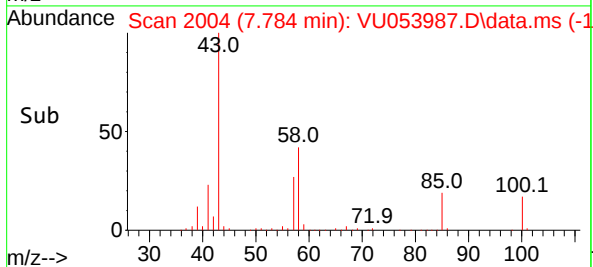
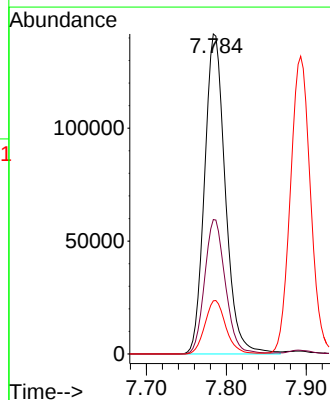
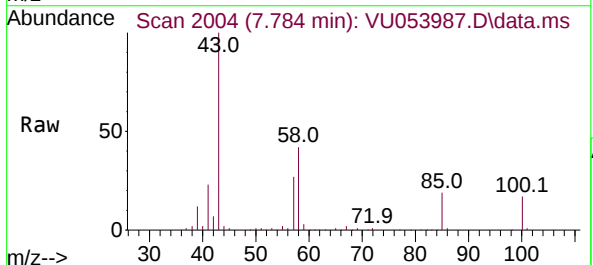
Tgt Ion: 43 Resp: 256484

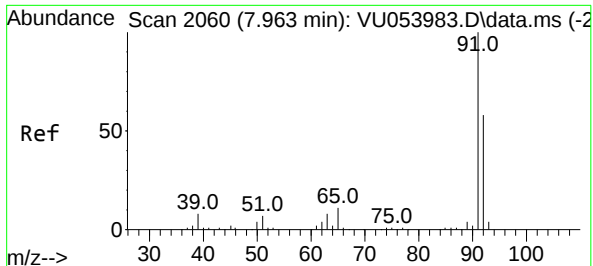
Ion Ratio Lower Upper

43 100

58 42.1 34.5 51.7

100 16.8 13.8 20.6

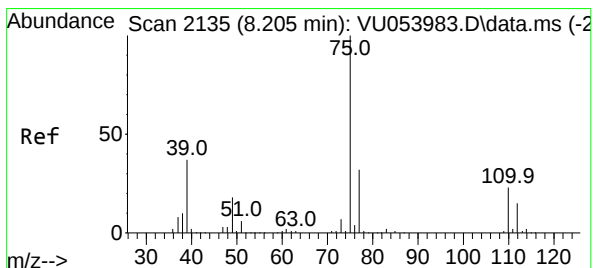
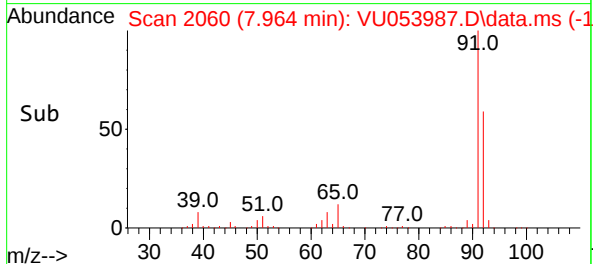
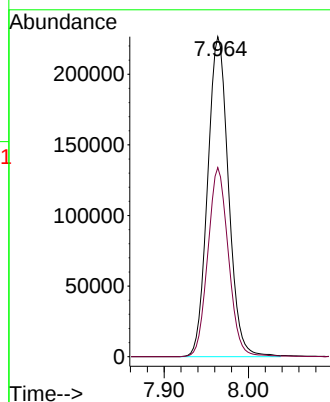
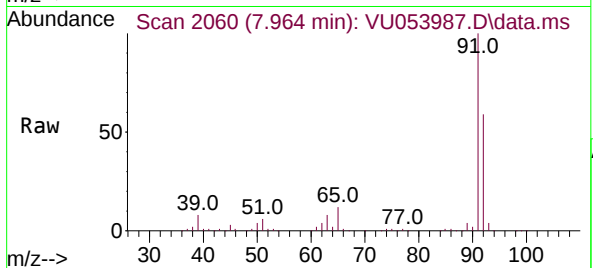




#42
Toluene
Concen: 46.693 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

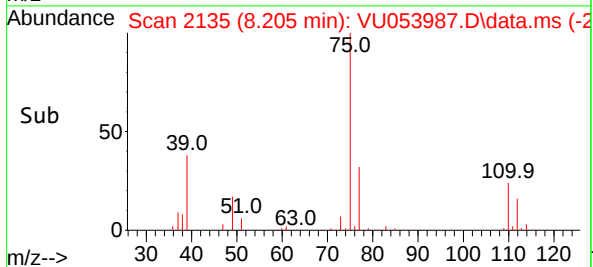
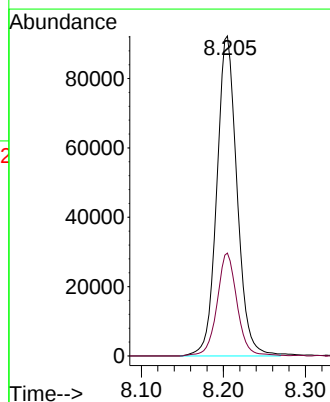
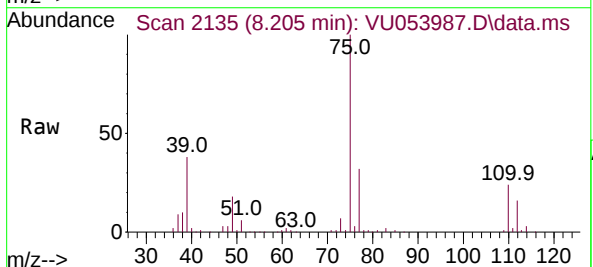
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

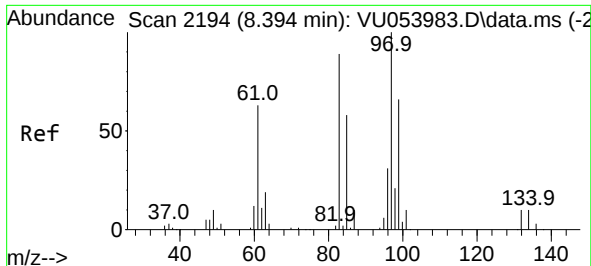
Tgt Ion: 91 Resp: 390491
Ion Ratio Lower Upper
91 100
92 59.1 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 46.741 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 75 Resp: 157932
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.7



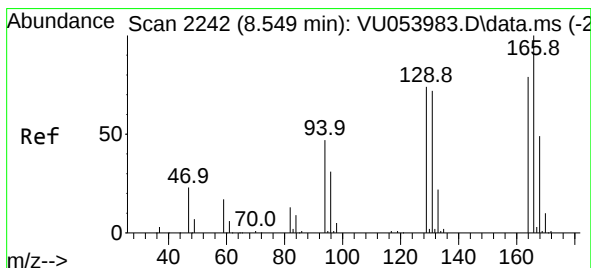
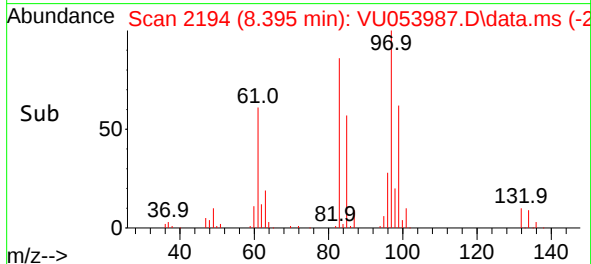
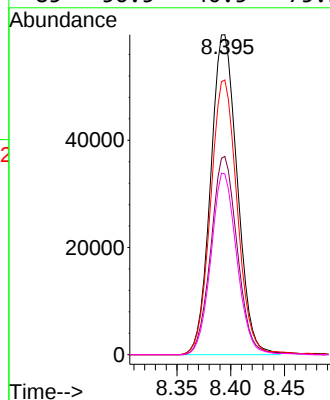
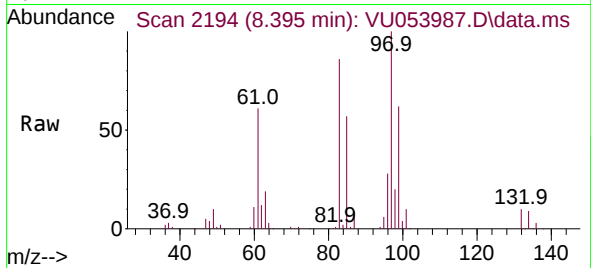


#45
1,1,2-Trichloroethane
Concen: 46.717 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

Tgt Ion: 97 Resp: 102770

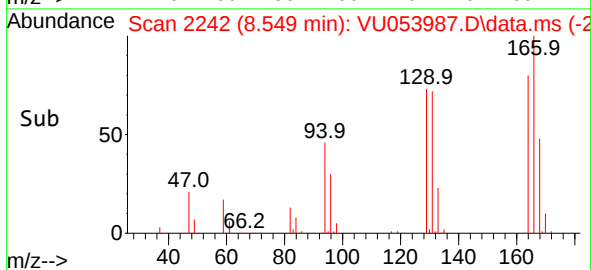
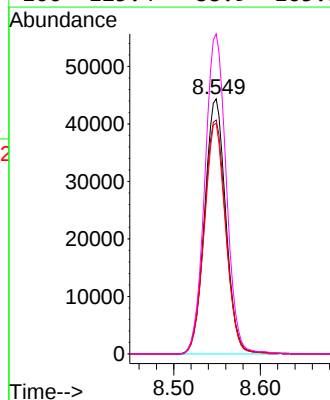
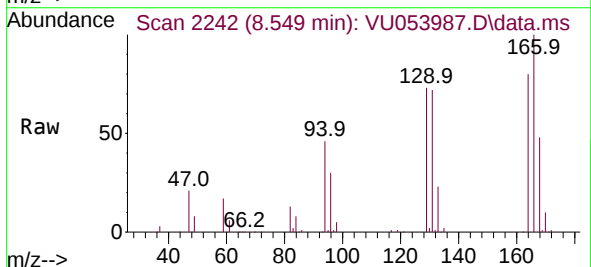
Ion	Ratio	Lower	Upper
97	100		
99	62.0	46.2	85.8
83	85.8	62.7	116.5
85	56.5	40.5	75.1

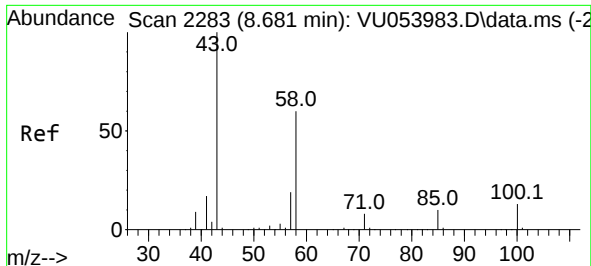


#46
Tetrachloroethene
Concen: 44.789 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 164 Resp: 75761

Ion	Ratio	Lower	Upper
164	100		
129	91.7	65.6	121.8
131	90.4	63.8	118.4
166	125.4	88.9	165.1





#48

2-Hexanone

Concen: 96.696 ug/L

RT: 8.681 min Scan# 2283

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

Tgt Ion: 43 Resp: 202967

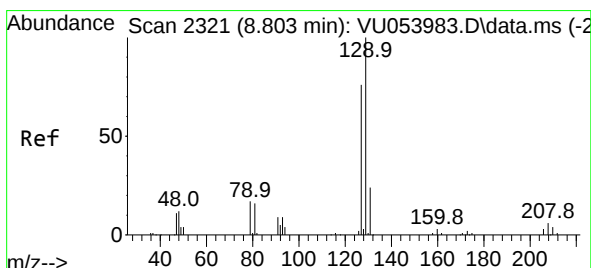
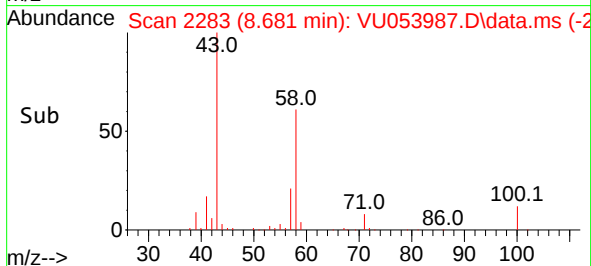
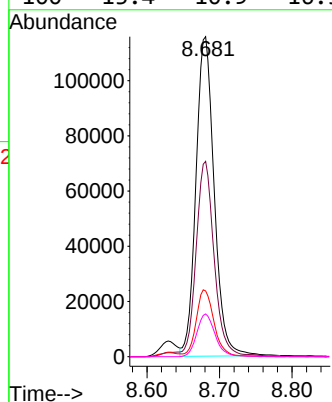
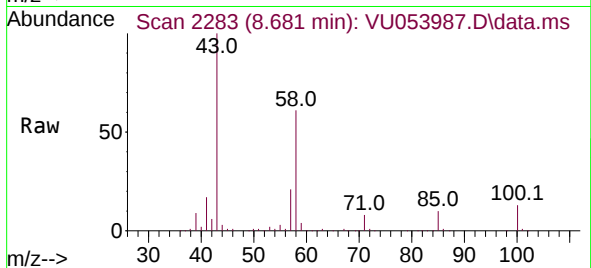
Ion Ratio Lower Upper

43 100

58 60.2 48.5 72.7

57 20.6 16.5 24.7

100 13.4 10.9 16.3



#49

Dibromochloromethane

Concen: 46.634 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VU053987.D

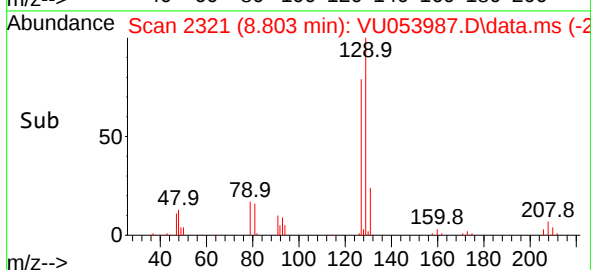
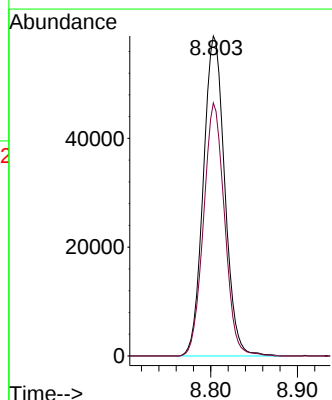
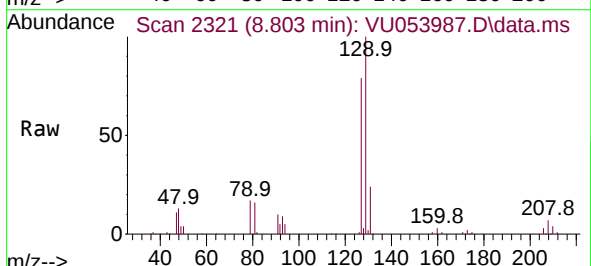
Acq: 29 Apr 2023 15:17

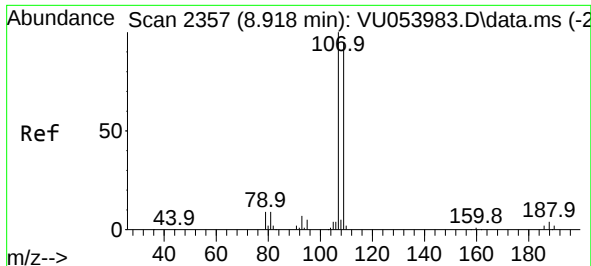
Tgt Ion: 129 Resp: 101089

Ion Ratio Lower Upper

129 100

127 79.1 52.9 98.3





#50

1,2-Dibromoethane

Concen: 47.266 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

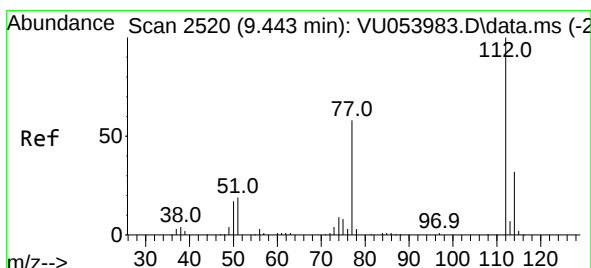
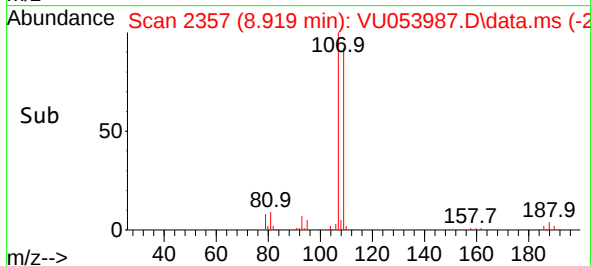
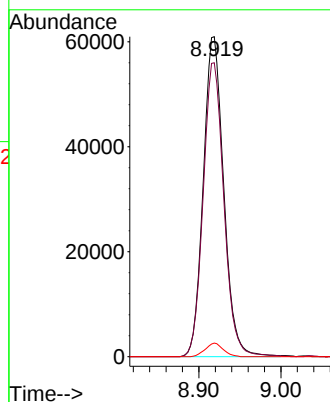
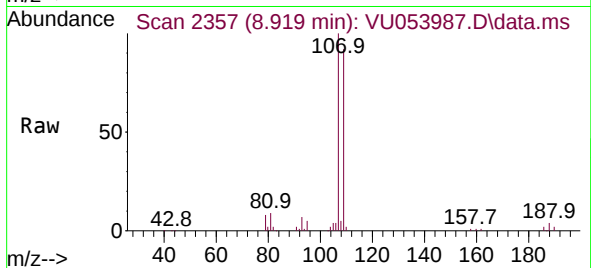
Tgt Ion:107 Resp: 105537

Ion Ratio Lower Upper

107 100

109 91.8 66.1 122.8

188 4.2 3.1 4.7



#51

Chlorobenzene

Concen: 46.201 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

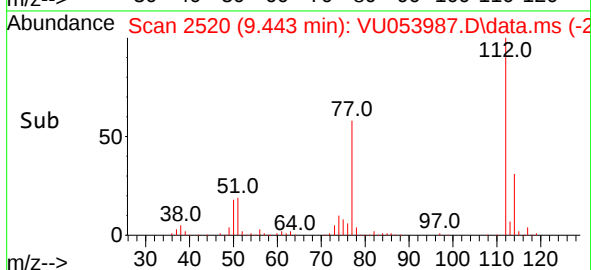
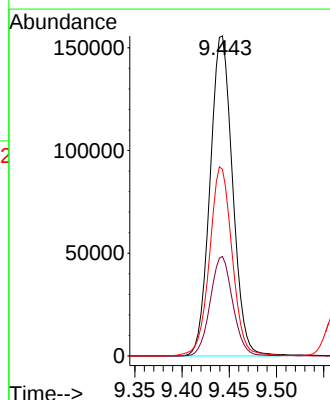
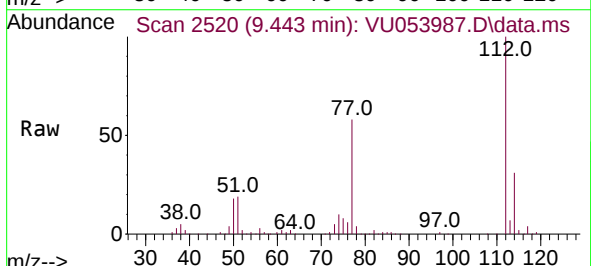
Tgt Ion:112 Resp: 258429

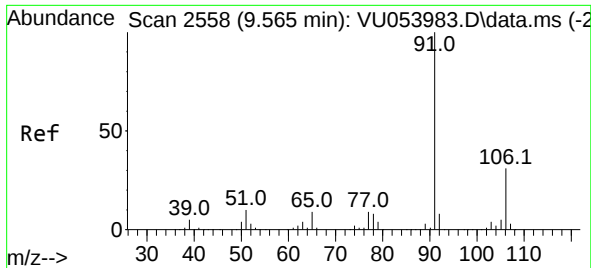
Ion Ratio Lower Upper

112 100

114 31.1 22.3 41.3

77 58.4 47.0 70.4





#52

Ethylbenzene

Concen: 46.235 ug/L

RT: 9.565 min Scan# 2558

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

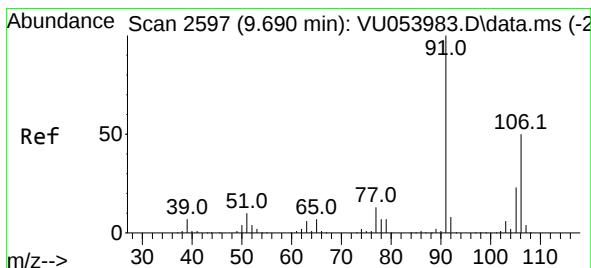
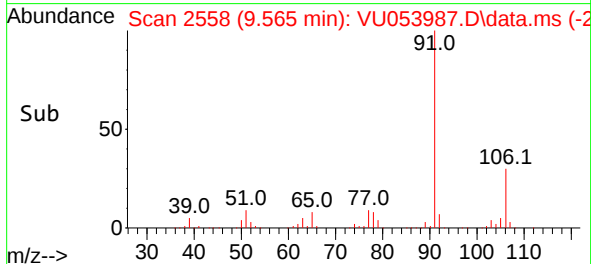
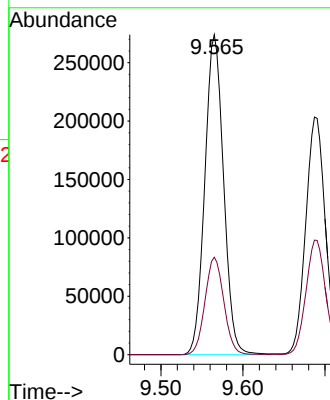
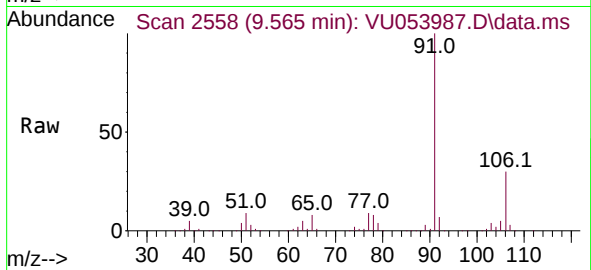
VSTD050083

Tgt Ion: 91 Resp: 435183

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 46.458 ug/L

RT: 9.687 min Scan# 2596

Delta R.T. -0.003 min

Lab File: VU053987.D

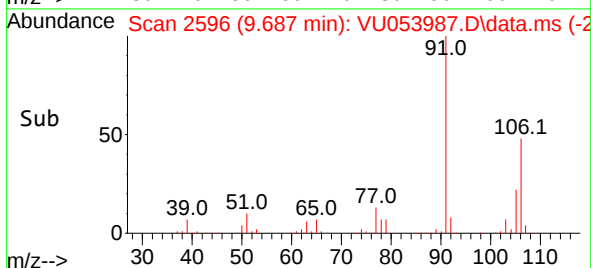
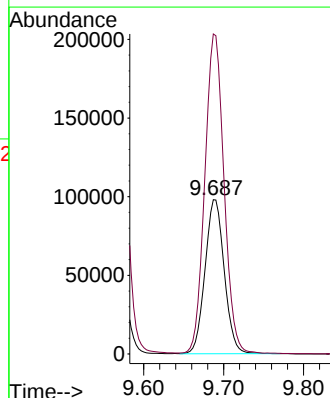
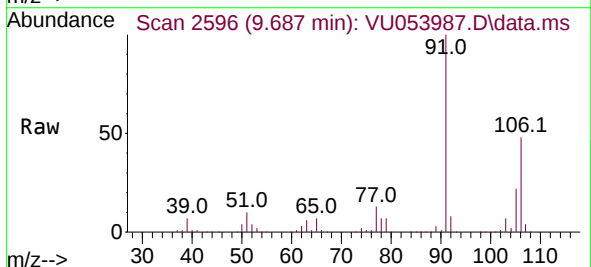
Acq: 29 Apr 2023 15:17

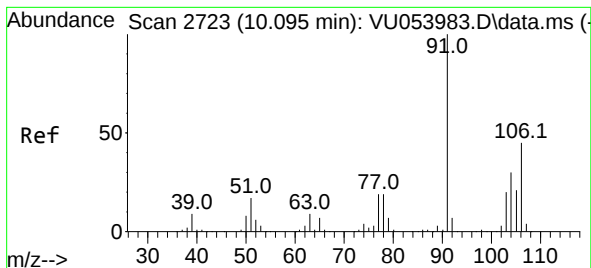
Tgt Ion: 106 Resp: 164201

Ion Ratio Lower Upper

106 100

91 207.4 140.5 260.9





#54

o-Xylene

Concen: 47.372 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

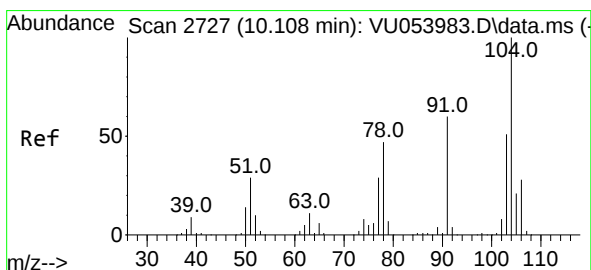
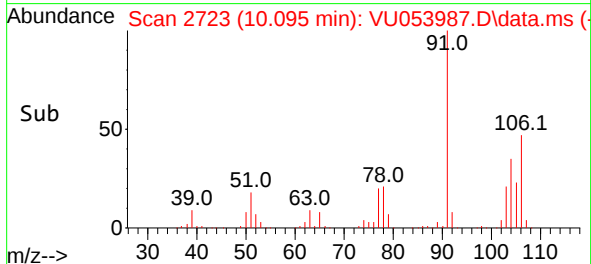
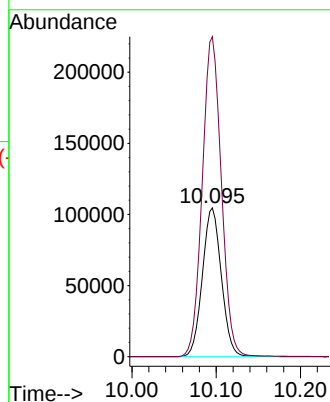
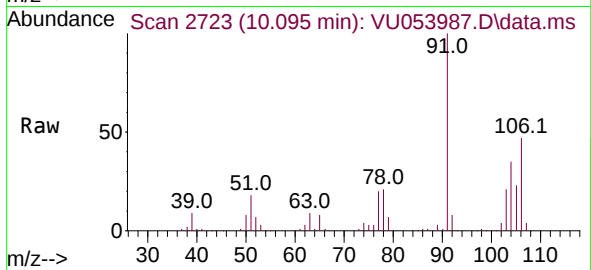
VSTD050083

Tgt Ion:106 Resp: 163800

Ion Ratio Lower Upper

106 100

91 215.0 154.9 287.7



#55

Styrene

Concen: 47.185 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053987.D

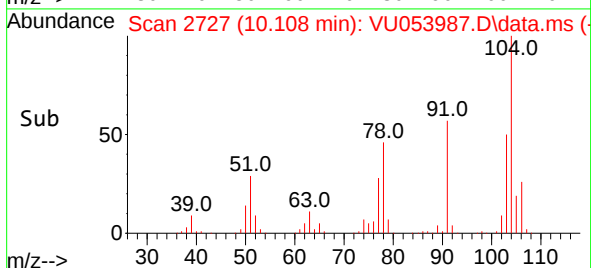
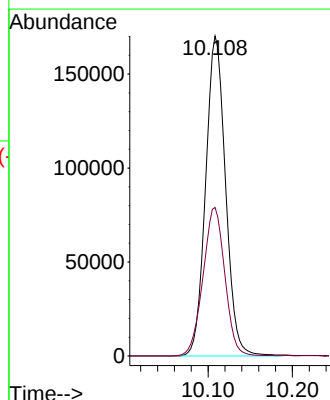
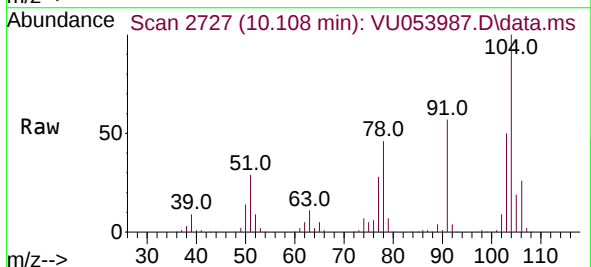
Acq: 29 Apr 2023 15:17

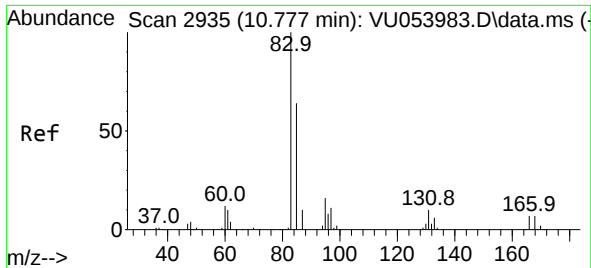
Tgt Ion:104 Resp: 279844

Ion Ratio Lower Upper

104 100

78 46.4 33.2 61.7

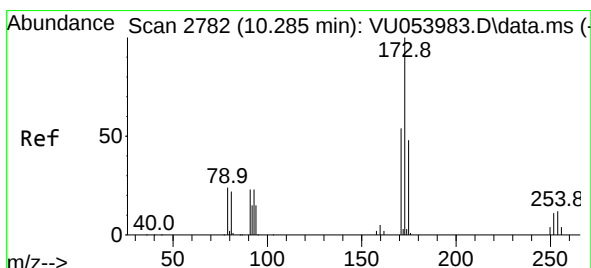
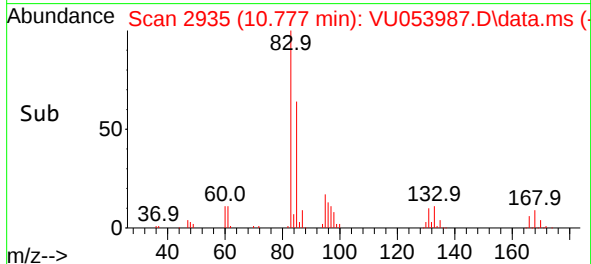
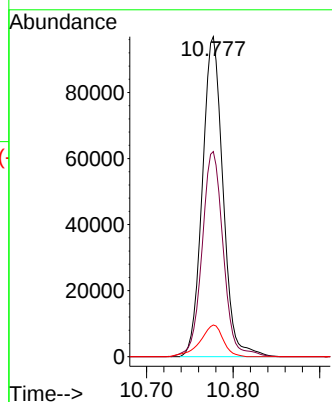
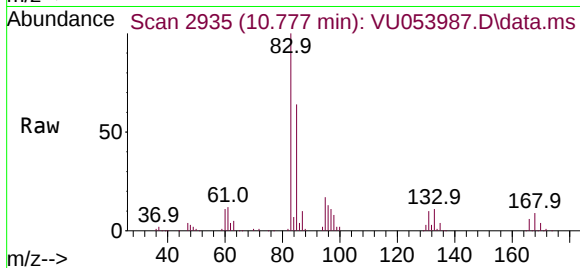




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.209 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

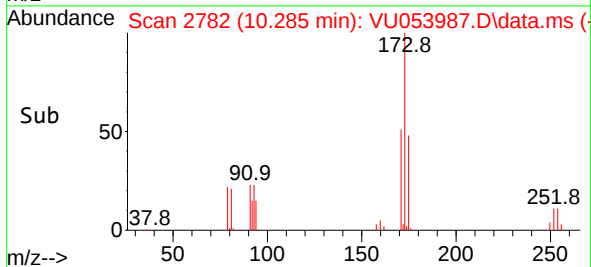
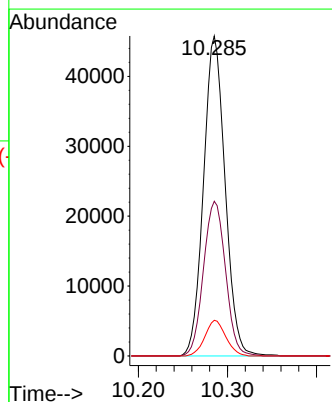
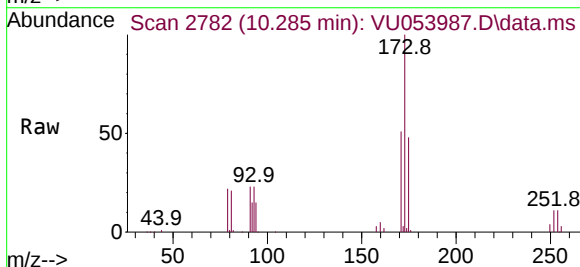
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

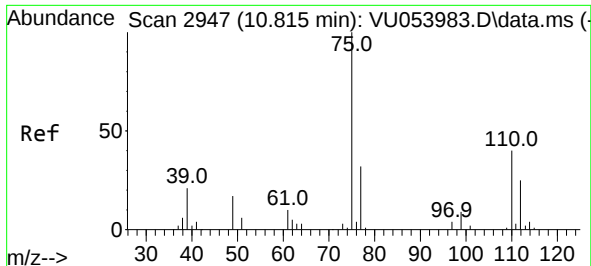
Tgt Ion: 83 Resp: 160130
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.9
 131 9.9 8.2 12.2



#59
 Bromoform
 Concen: 47.440 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Tgt Ion:173 Resp: 76957
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.9 58.3
 254 10.8 8.5 12.7

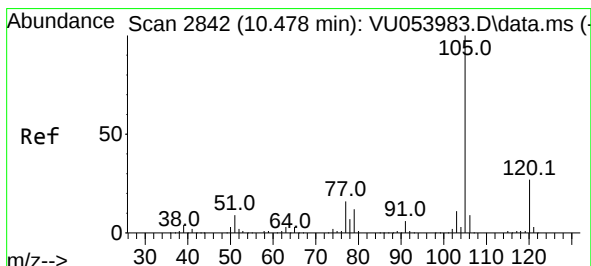
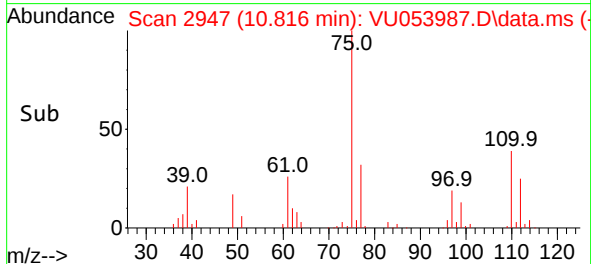
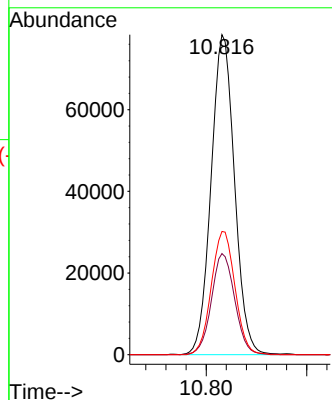
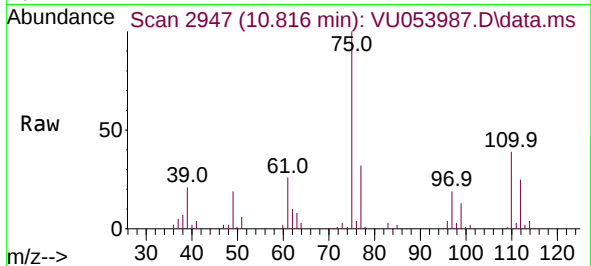




#60
1,2,3-Trichloropropane
Concen: 47.142 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

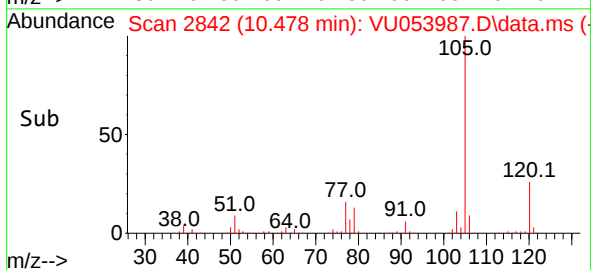
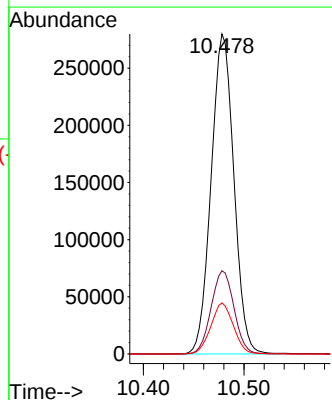
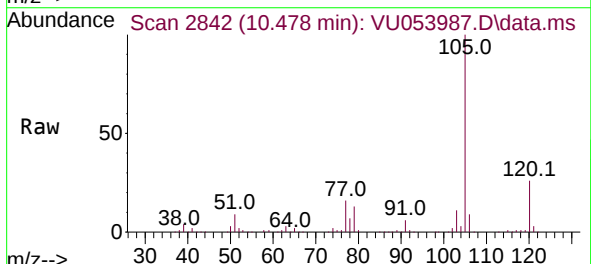
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

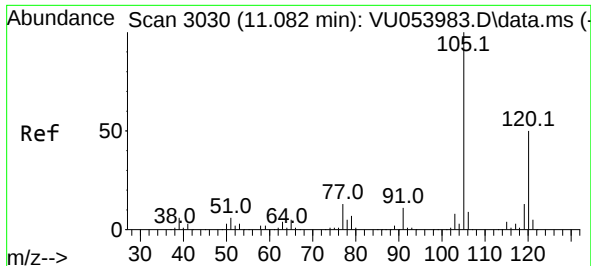
Tgt Ion: 75 Resp: 126878
Ion Ratio Lower Upper
75 100
77 31.4 26.0 39.0
110 38.8 31.8 47.8



#61
Isopropylbenzene
Concen: 48.042 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion: 105 Resp: 439421
Ion Ratio Lower Upper
105 100
120 26.2 21.3 31.9
77 15.8 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 47.729 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

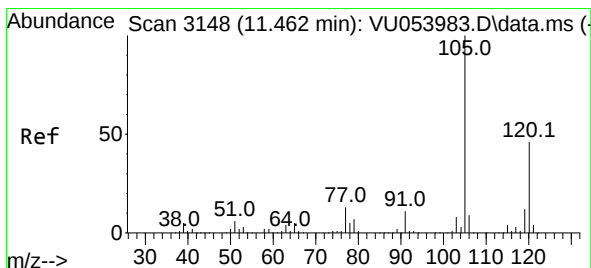
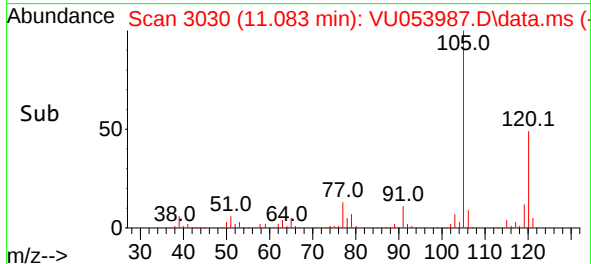
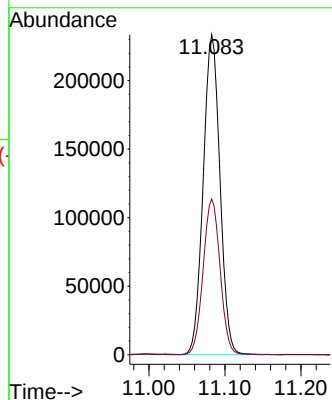
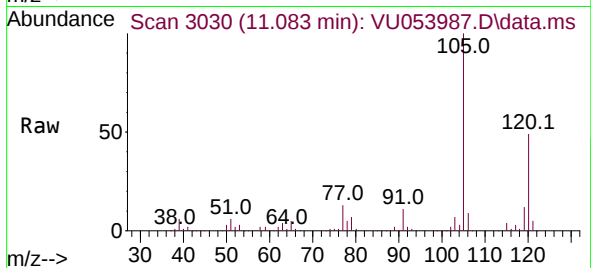
VSTD050083

Tgt Ion:105 Resp: 357735

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 48.556 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053987.D

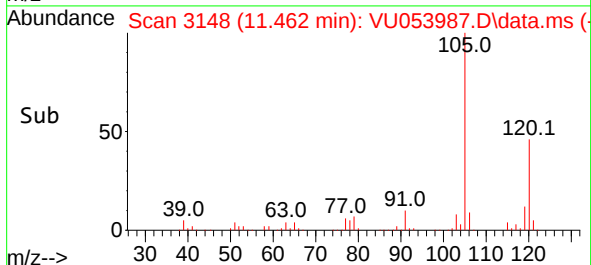
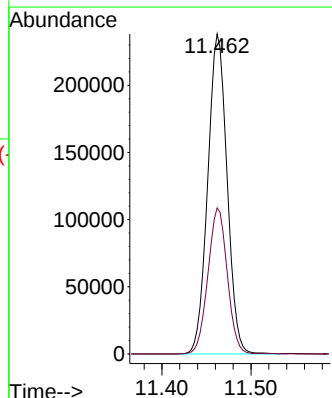
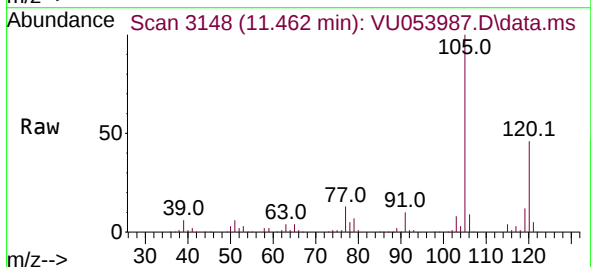
Acq: 29 Apr 2023 15:17

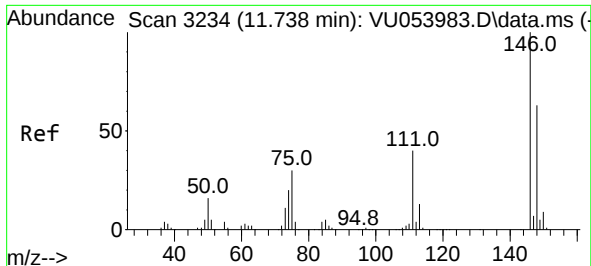
Tgt Ion:105 Resp: 358714

Ion Ratio Lower Upper

105 100

120 45.8 36.5 54.7

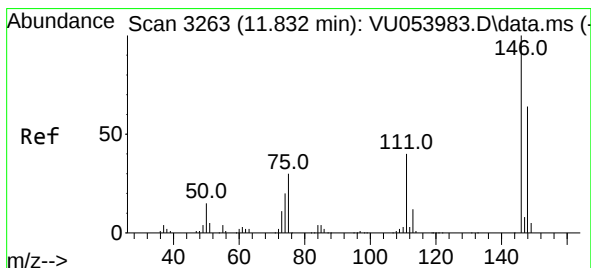
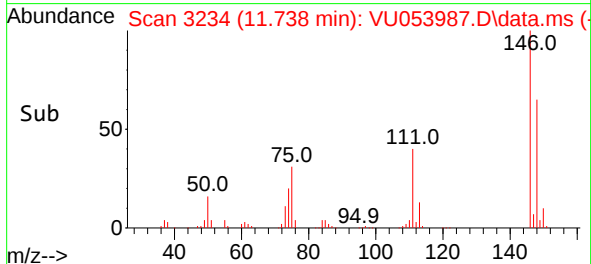
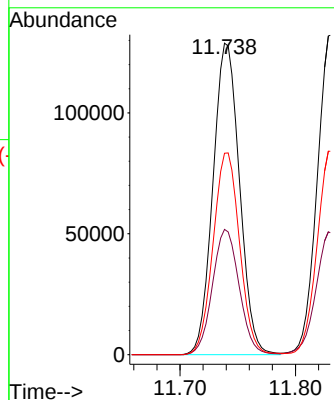
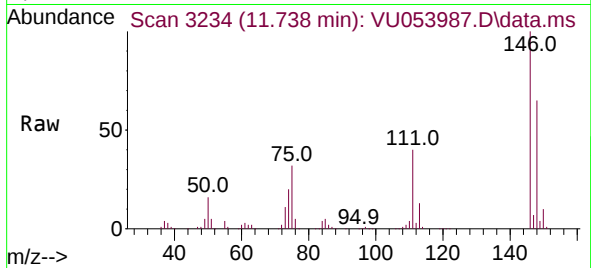




#64
 1,3-Dichlorobenzene
 Concen: 45.990 ug/L
 RT: 11.738 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

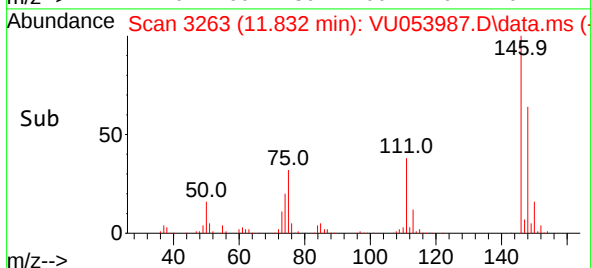
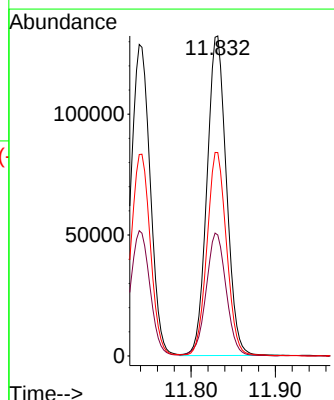
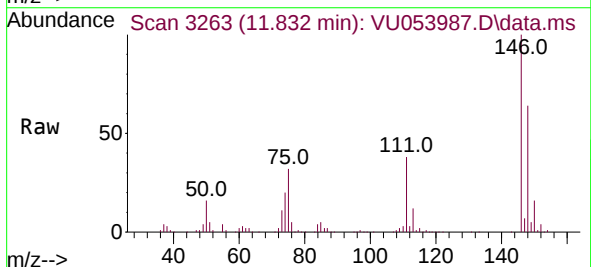
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

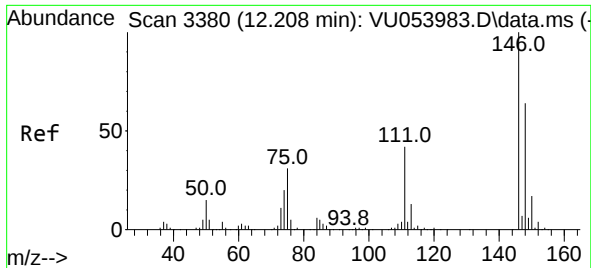
Tgt Ion:146 Resp: 205730
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.9 51.7
 148 64.7 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 46.603 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Tgt Ion:146 Resp: 212318
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.9 51.7
 148 63.6 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 46.264 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

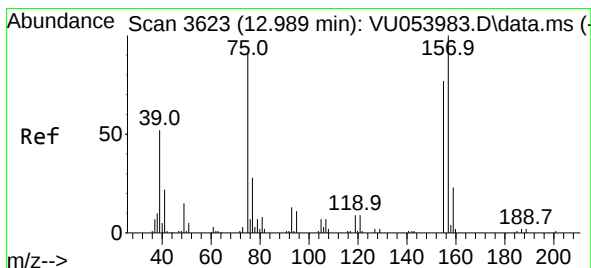
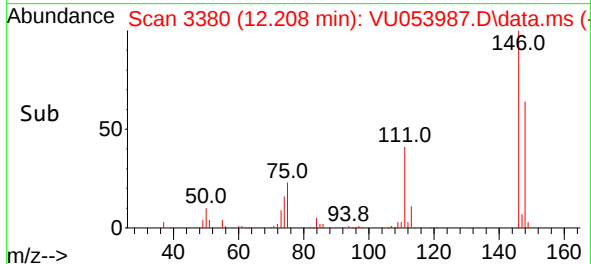
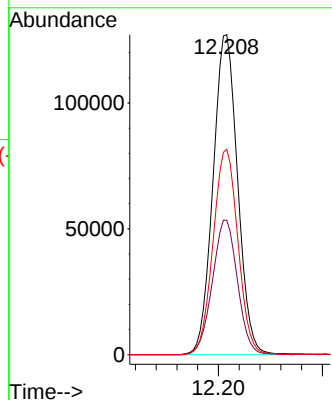
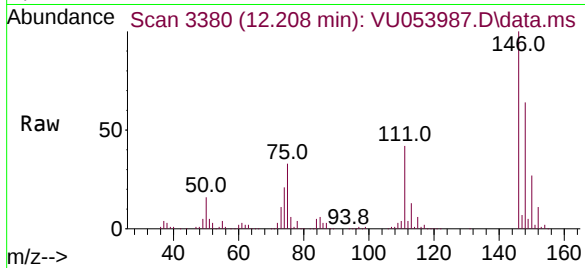
Tgt Ion:146 Resp: 208868

Ion Ratio Lower Upper

146 100

111 42.0 33.4 50.0

148 64.2 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.054 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053987.D

Acq: 29 Apr 2023 15:17

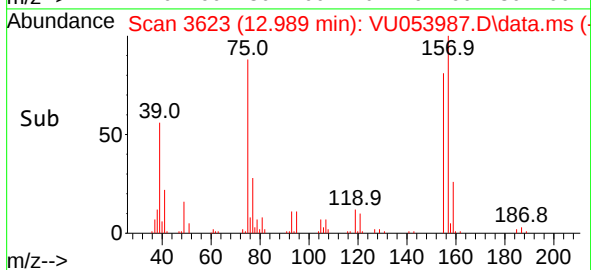
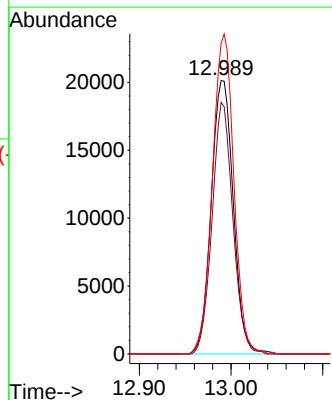
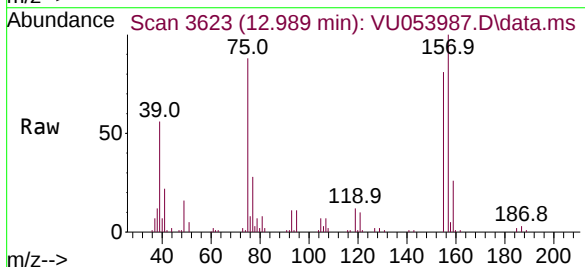
Tgt Ion: 75 Resp: 33682

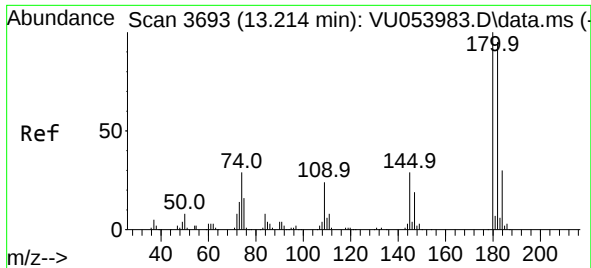
Ion Ratio Lower Upper

75 100

155 91.9 67.8 101.6

157 118.7 88.3 132.5



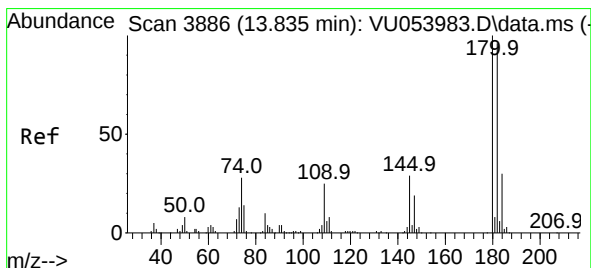
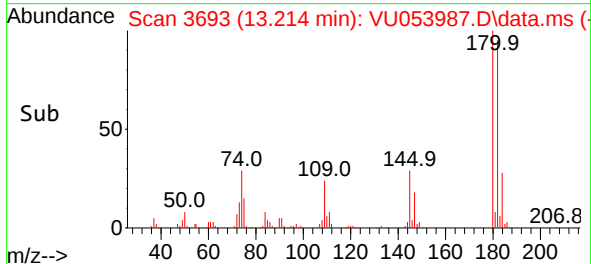
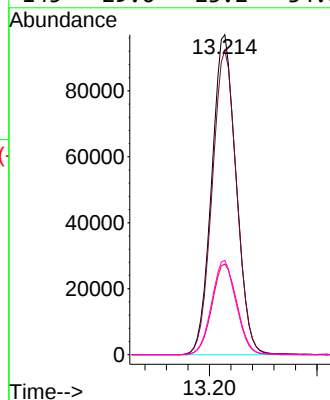
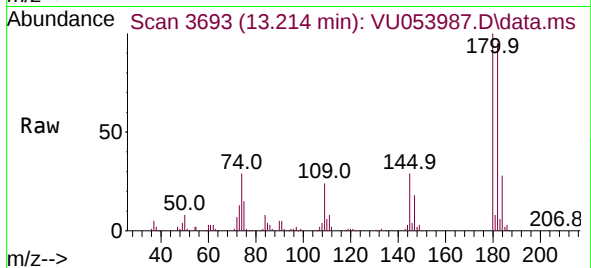


#69
 1,3,5-Trichlorobenzene
 Concen: 47.107 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Tgt Ion:180 Resp: 152702

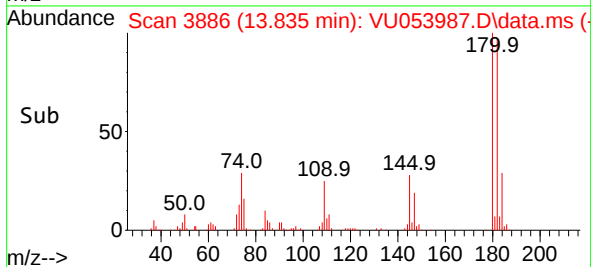
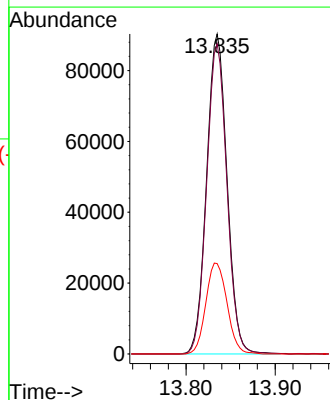
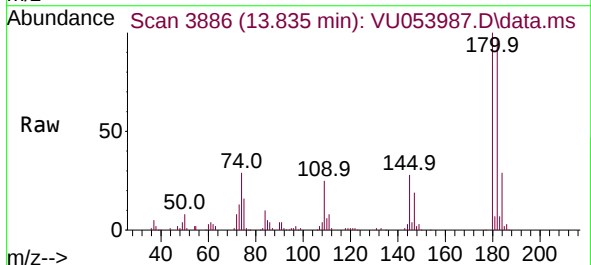
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
184	29.1	24.2	36.2
145	29.6	23.2	34.8

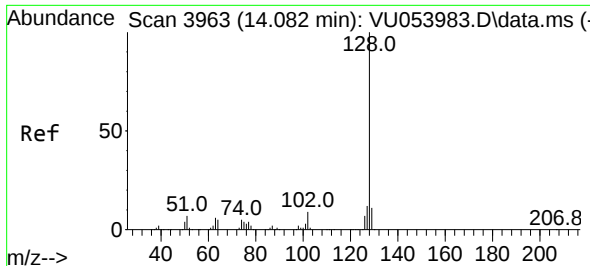


#70
 1,2,4-trichlorobenzene
 Concen: 49.062 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053987.D
 Acq: 29 Apr 2023 15:17

Tgt Ion:180 Resp: 144179

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.2
145	29.4	23.8	35.8

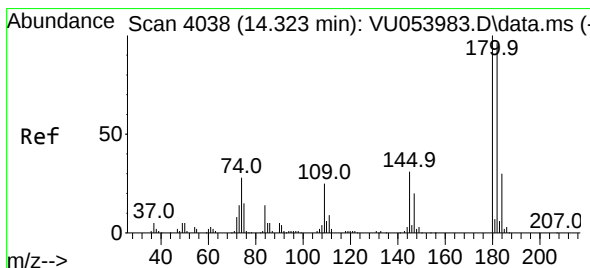
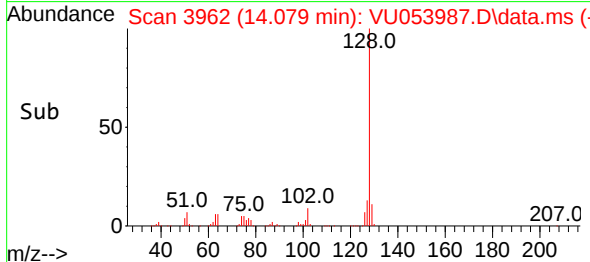
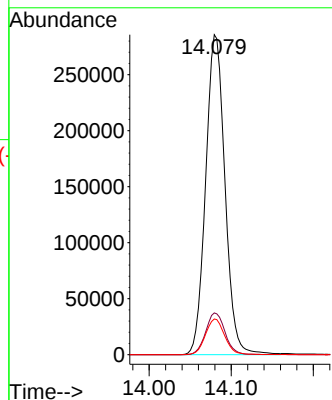
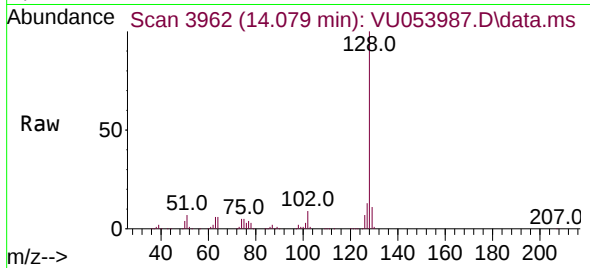




#71
Naphthalene
Concen: 54.813 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

Tgt Ion:128 Resp: 467213
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.1 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 50.771 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053987.D
Acq: 29 Apr 2023 15:17

Tgt Ion:180 Resp: 148419
Ion Ratio Lower Upper
180 100
182 95.7 76.6 114.8
145 32.1 24.9 37.3

