

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
 Data File : VU054134.D
 Acq On : 09 May 2023 20:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Quant Time: May 10 04:36:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	232730	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	223821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	128308	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	57003	32.385	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.780%
7) Chloroethane-d5	1.906	69	50965	44.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.565	63	118861	38.073	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.140%
21) 2-Butanone-d5	4.616	46	98625	98.243	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.240%
24) Chloroform-d	5.057	84	147299	45.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	5.694	65	95927	46.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
32) Benzene-d6	5.723	84	271374	41.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.380%
36) 1,2-Dichloropropane-d6	6.684	67	88058	42.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.680%
41) Toluene-d8	7.893	98	255034	42.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.760%
43) trans-1,3-Dichloroprop...	8.173	79	44764	43.491	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.980%
47) 2-Hexanone-d5	8.626	63	65552	87.997	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.000%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	131417	47.970	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.940%
66) 1,2-Dichlorobenzene-d4	12.189	152	112983	45.075	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	69760	41.545	ug/L	98
3) Chloromethane	1.520	50	65597	42.507	ug/L	97
5) Vinyl chloride	1.604	62	71451	43.531	ug/L	99
6) Bromomethane	1.851	94	37074	40.519	ug/L	100
8) Chloroethane	1.928	64	45930	51.351	ug/L	98
9) Trichlorofluoromethane	2.134	101	118832	45.623	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	70083	44.990	ug/L	99
12) 1,1-Dichloroethene	2.578	96	61328	45.429	ug/L	91
13) Acetone	2.626	43	64448	65.407	ug/L	100
14) Carbon disulfide	2.790	76	128921	43.027	ug/L	98
15) Methyl Acetate	2.945	43	73476	47.615	ug/L	97
16) Methylene chloride	3.041	84	76744	45.075	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	64033	46.387	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	236087	46.521	ug/L	98
19) 1,1-Dichloroethane	3.864	63	135780	45.812	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	77287	45.561	ug/L	99
22) 2-Butanone	4.697	43	98860	84.981	ug/L	95
23) Bromochloromethane	4.967	128	41337	47.003	ug/L	95
25) Chloroform	5.083	83	149239	47.717	ug/L	100

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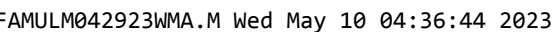
Instrument :
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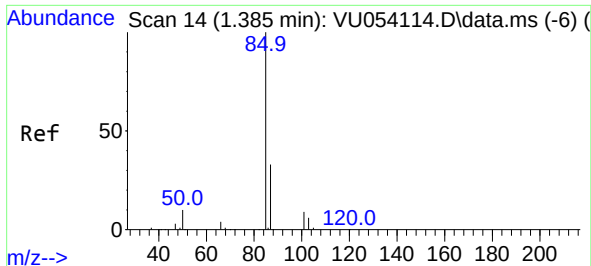
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	112008	46.560	ug/L	100
29) Cyclohexane	5.382	56	96284	41.624	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	124705	44.700	ug/L	97
31) Carbon tetrachloride	5.520	117	108707	45.674	ug/L	100
33) Benzene	5.768	78	287669	44.157	ug/L	100
34) Trichloroethene	6.536	95	75889	43.890	ug/L	98
35) Methylcyclohexane	6.758	83	97612	40.252	ug/L	98
37) 1,2-Dichloropropane	6.784	63	79826	43.310	ug/L	99
38) Bromodichloromethane	7.099	83	106304	45.779	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	120331	41.734	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	194055	90.346	ug/L	99
42) Toluene	7.964	91	308461	45.481	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	121720	44.421	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	83652	46.890	ug/L	96
46) Tetrachloroethene	8.549	164	59952	43.705	ug/L	97
48) 2-Hexanone	8.677	43	151413	88.950	ug/L	99
49) Dibromochloromethane	8.803	129	83026	47.229	ug/L	98
50) 1,2-Dibromoethane	8.919	107	86176	47.591	ug/L	99
51) Chlorobenzene	9.439	112	207546	45.753	ug/L	100
52) Ethylbenzene	9.565	91	344667	45.154	ug/L	99
53) m,p-Xylene	9.687	106	133215	46.476	ug/L	99
54) o-Xylene	10.095	106	133105	47.467	ug/L	94
55) Styrene	10.108	104	230267	47.875	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	131711	46.868	ug/L	99
59) Bromoform	10.285	173	64154	44.661	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	103392	43.382	ug/L	99
61) Isopropylbenzene	10.478	105	353122	43.599	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	288452	43.461	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	286478	43.792	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	172432	43.530	ug/L	100
65) 1,4-Dichlorobenzene	11.828	146	176624	43.781	ug/L	100
67) 1,2-Dichlorobenzene	12.205	146	175891	43.997	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	26970	44.357	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	123750	43.112	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	110765	42.565	ug/L	99
71) Naphthalene	14.079	128	330875	43.837	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	115736	44.710	ug/L	99

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

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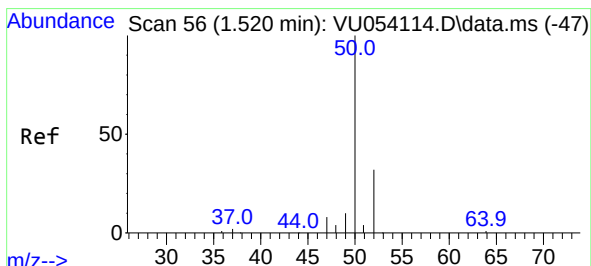
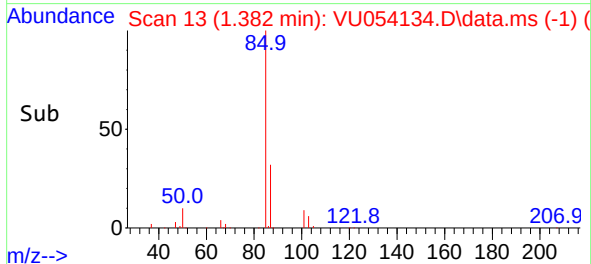
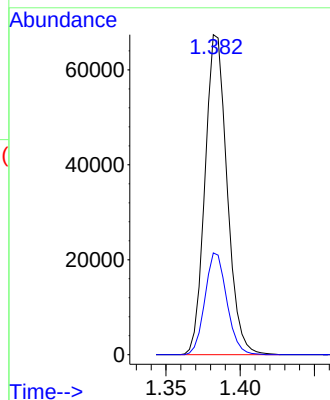
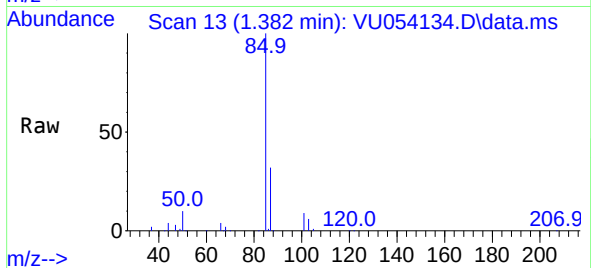




#2
Dichlorodifluoromethane
Concen: 41.545 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

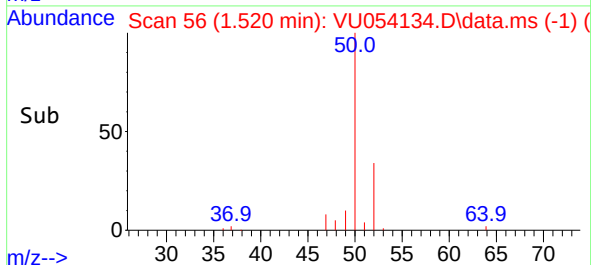
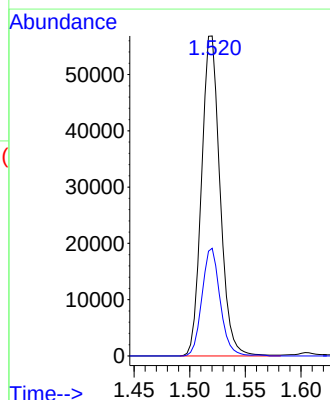
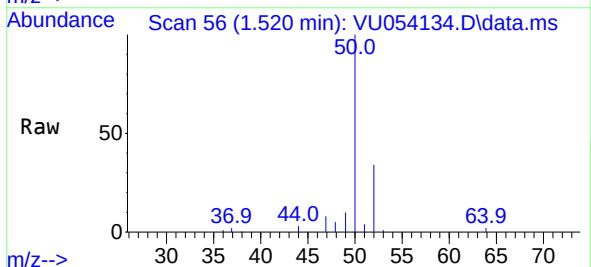
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

Tgt Ion: 85 Resp: 69760
Ion Ratio Lower Upper
85 100
87 31.4 26.0 39.0

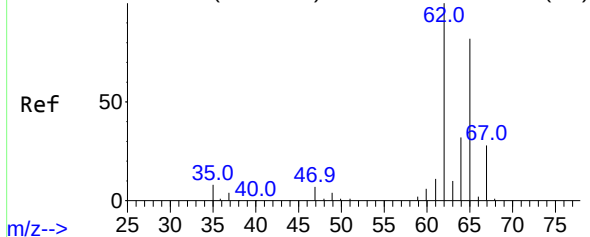


#3
Chloromethane
Concen: 42.507 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 50 Resp: 65597
Ion Ratio Lower Upper
50 100
52 33.7 22.4 41.6



Abundance Scan 82 (1.604 min): VU054114.D\data.ms (-74)



#5

Vinyl chloride

Concen: 43.531 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

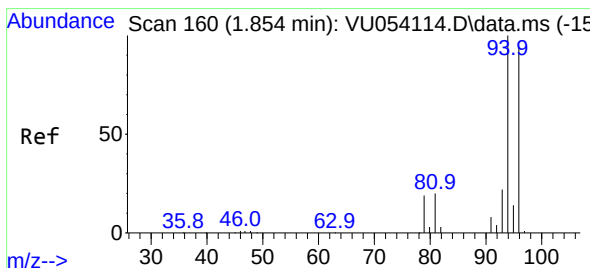
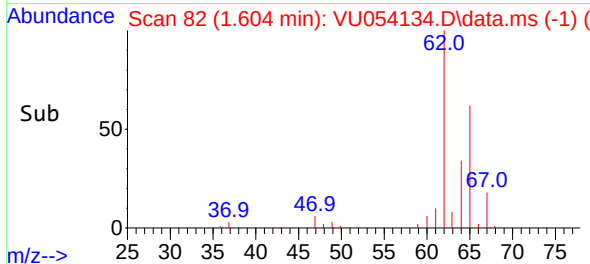
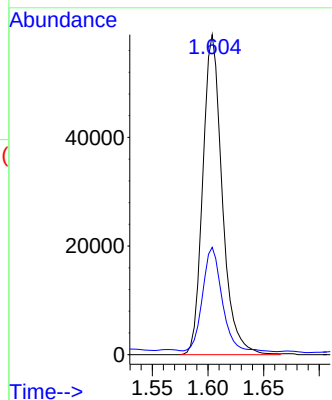
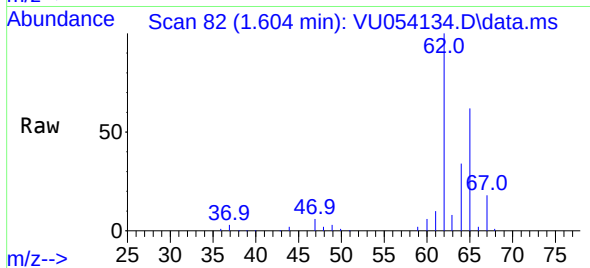
VSTD050097

Tgt Ion: 62 Resp: 71451

Ion Ratio Lower Upper

62 100

64 33.5 24.1 44.7



#6

Bromomethane

Concen: 40.519 ug/L

RT: 1.851 min Scan# 159

Delta R.T. -0.006 min

Lab File: VU054134.D

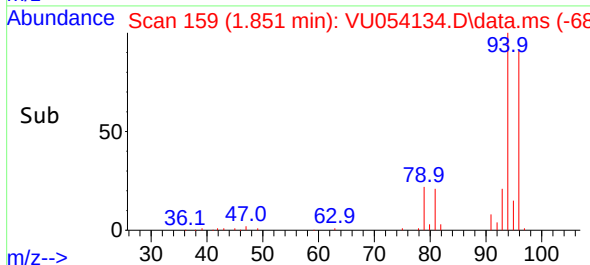
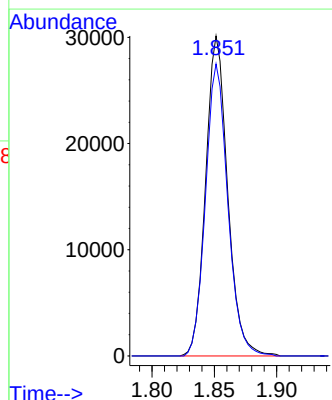
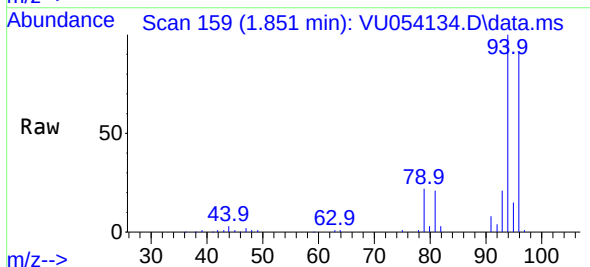
Acq: 09 May 2023 20:31

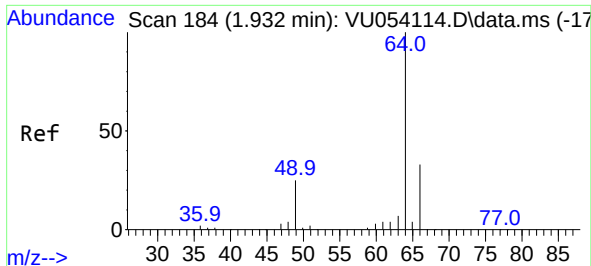
Tgt Ion: 94 Resp: 37074

Ion Ratio Lower Upper

94 100

96 91.2 63.9 118.7

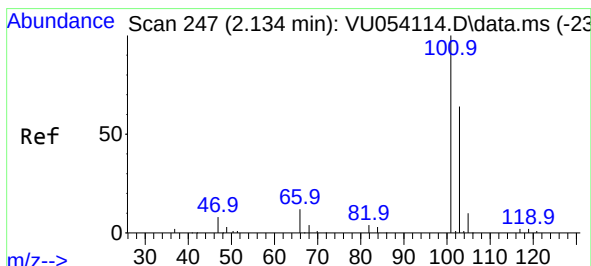
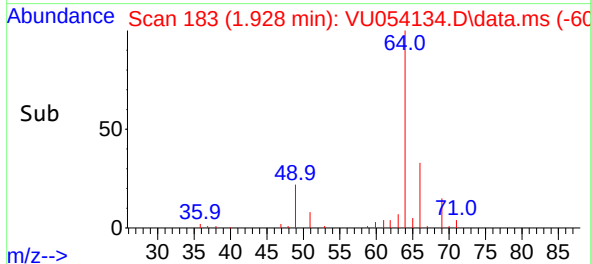
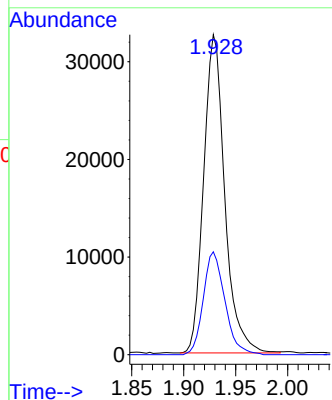
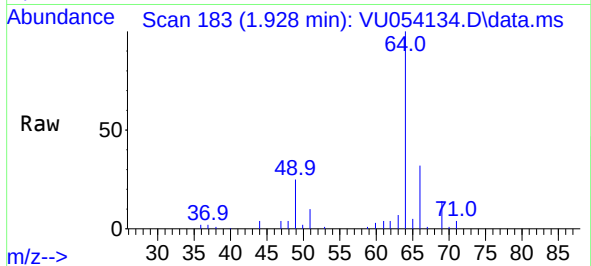




#8
Chloroethane
Concen: 51.351 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

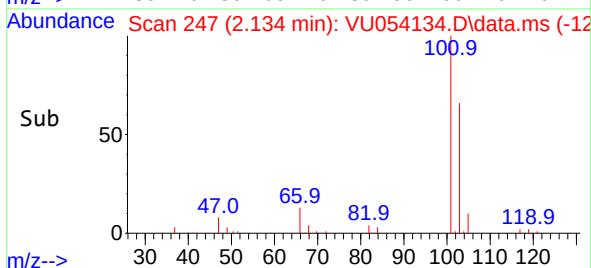
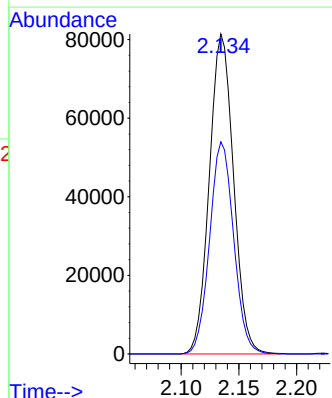
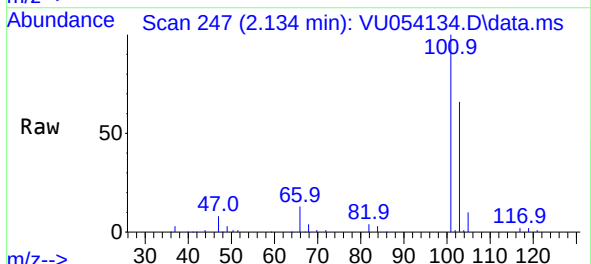
Instrument :
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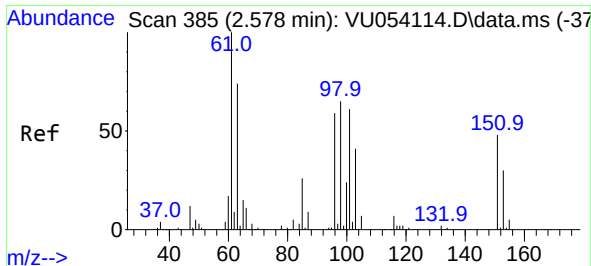
Tgt Ion: 64 Resp: 45930
Ion Ratio Lower Upper
64 100
66 32.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 45.623 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:101 Resp: 118832
Ion Ratio Lower Upper
101 100
103 65.7 51.0 76.4

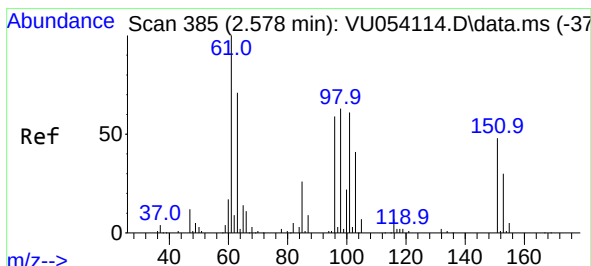
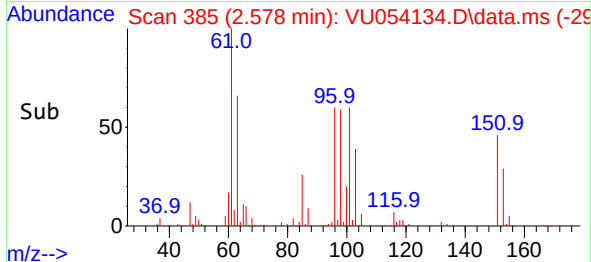
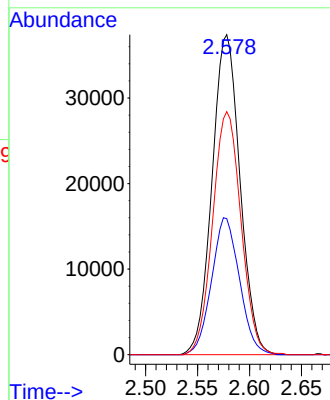
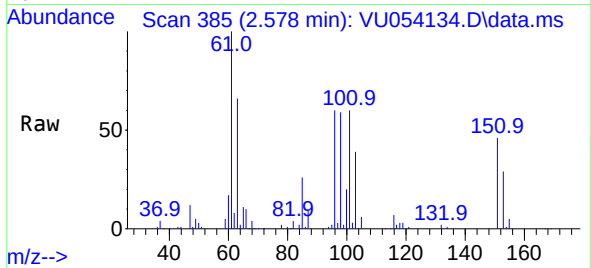




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.990 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054134.D
 Acq: 09 May 2023 20:31

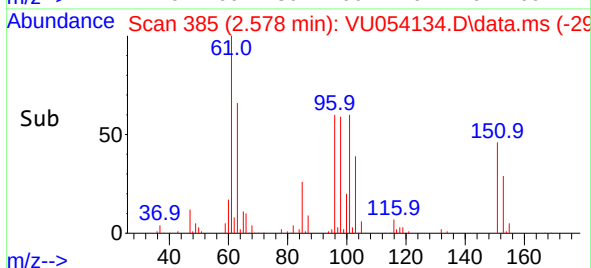
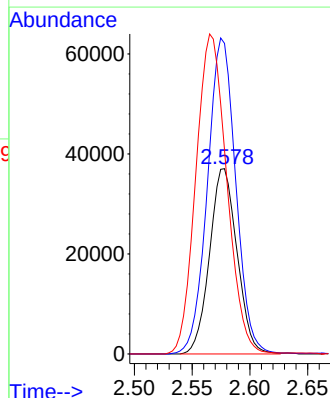
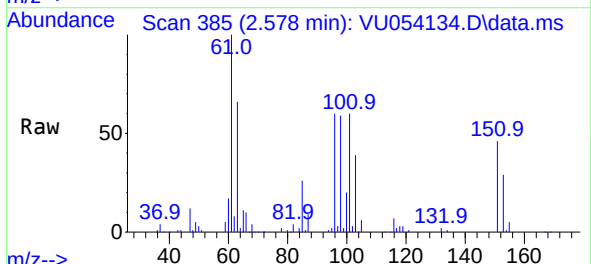
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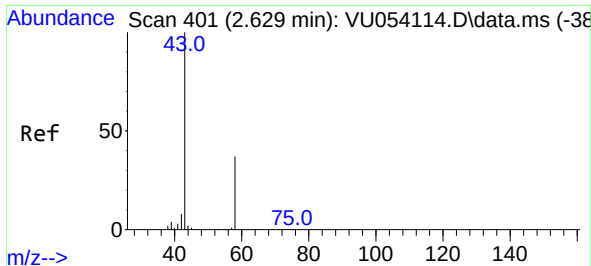
Tgt Ion:101 Resp: 70083
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.3 51.5
 151 76.9 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 45.429 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054134.D
 Acq: 09 May 2023 20:31

Tgt Ion: 96 Resp: 61328
 Ion Ratio Lower Upper
 96 100
 61 167.5 118.3 219.7
 63 110.1 92.3 171.5





#13

Acetone

Concen: 65.407 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.006 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

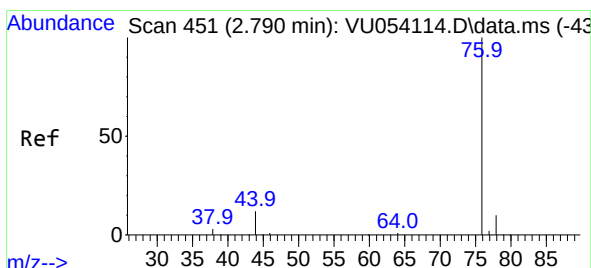
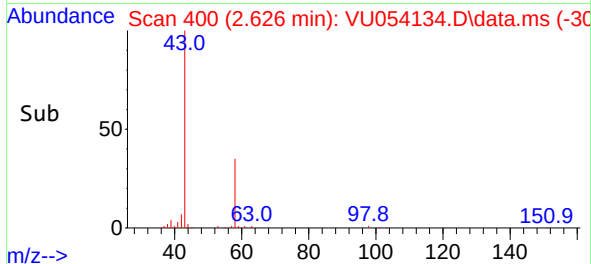
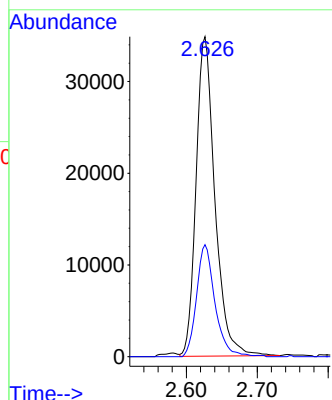
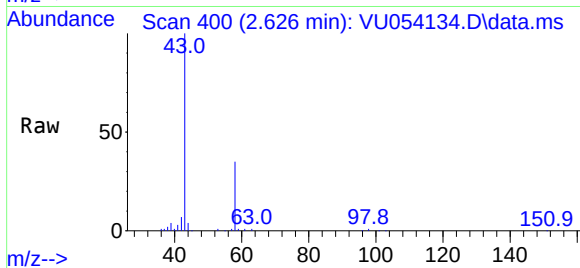
VSTD050097

Tgt Ion: 43 Resp: 64448

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.4



#14

Carbon disulfide

Concen: 43.027 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054134.D

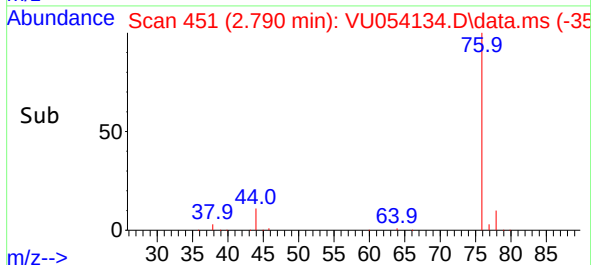
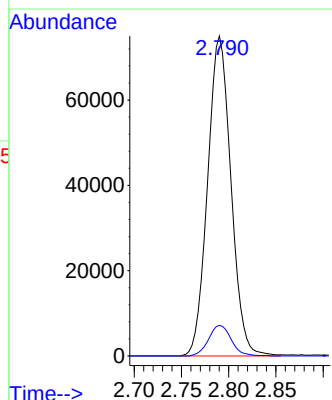
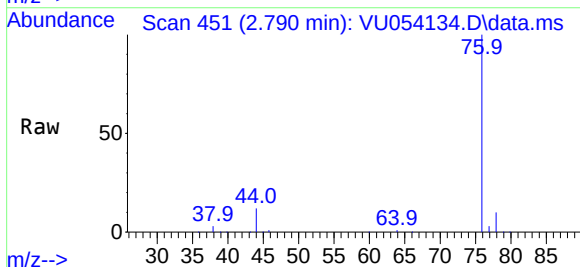
Acq: 09 May 2023 20:31

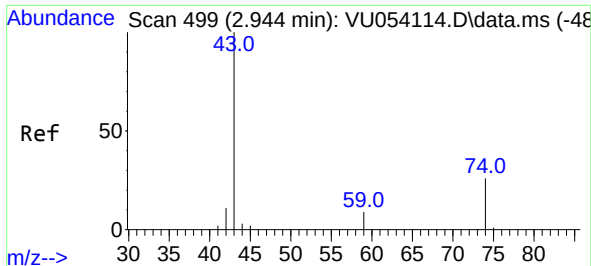
Tgt Ion: 76 Resp: 128921

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

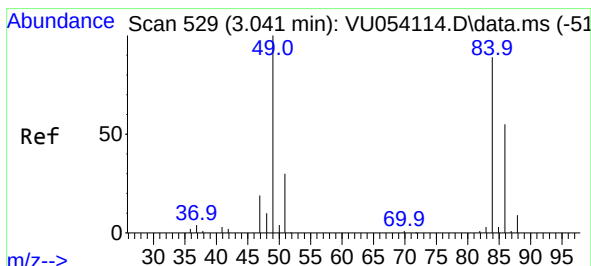
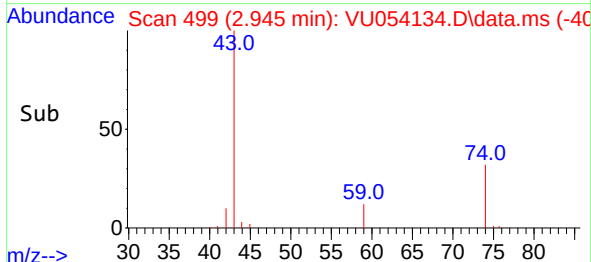
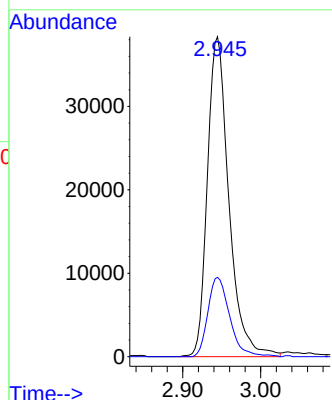
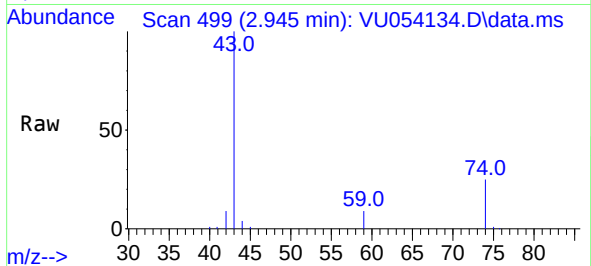




#15
Methyl Acetate
Concen: 47.615 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

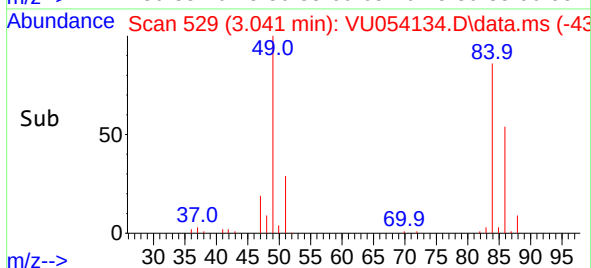
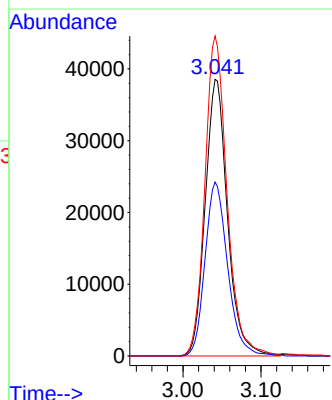
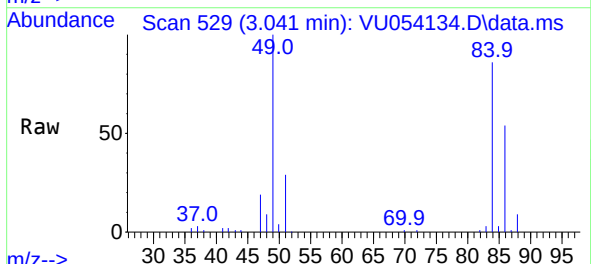
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

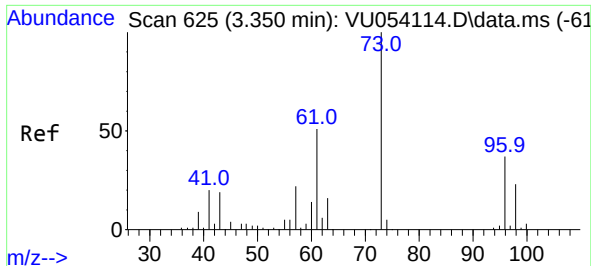
Tgt Ion: 43 Resp: 73476
Ion Ratio Lower Upper
43 100
74 25.0 21.2 31.8



#16
Methylene chloride
Concen: 45.075 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 84 Resp: 76744
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.2
49 115.7 83.0 154.2

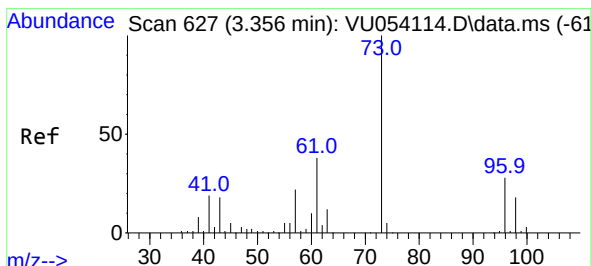
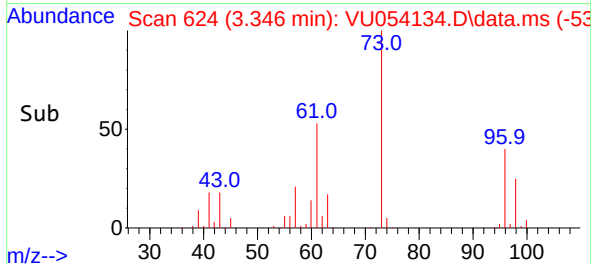
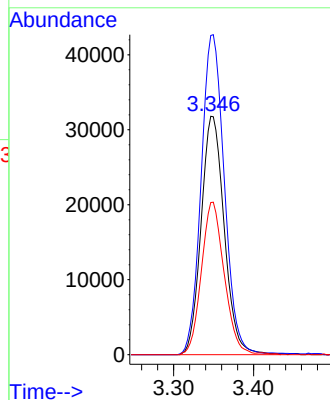
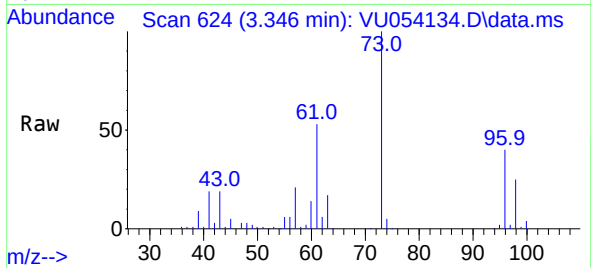




#17
trans-1,2-Dichloroethene
Concen: 46.387 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

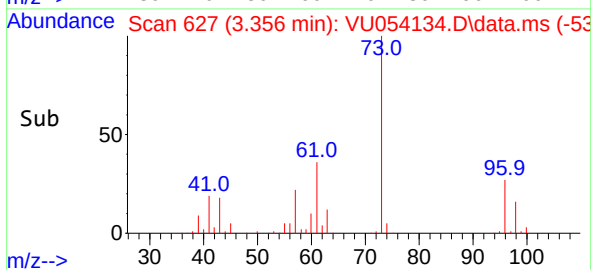
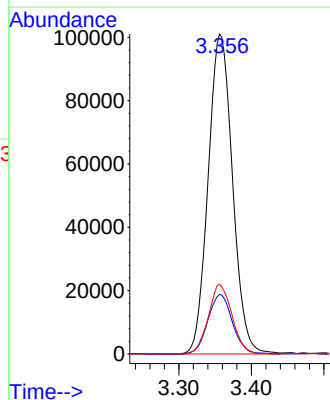
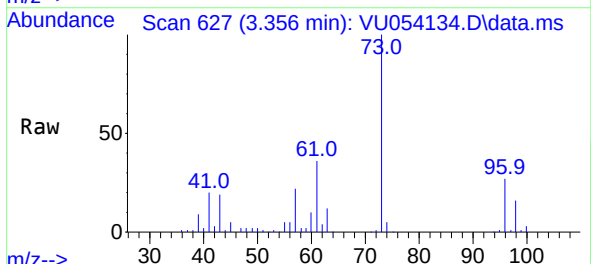
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

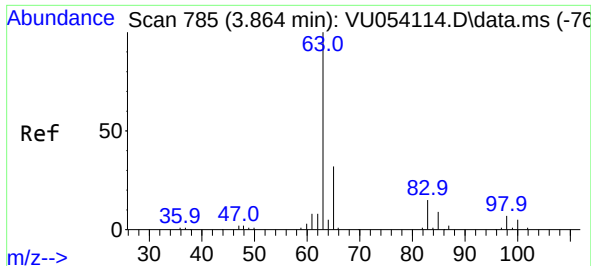
Tgt Ion: 96 Resp: 64033
Ion Ratio Lower Upper
96 100
61 133.9 97.5 181.1
98 63.8 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 46.521 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 73 Resp: 236087
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 21.0 18.0 27.0

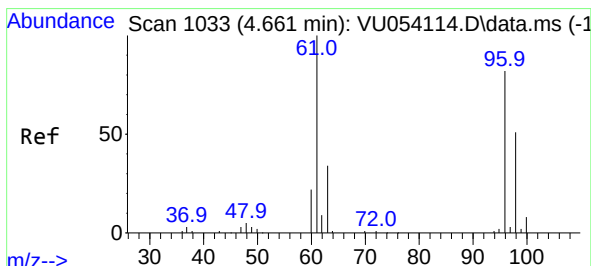
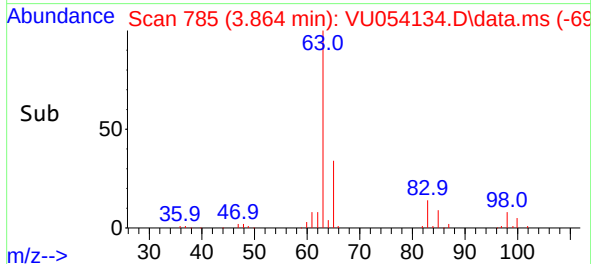
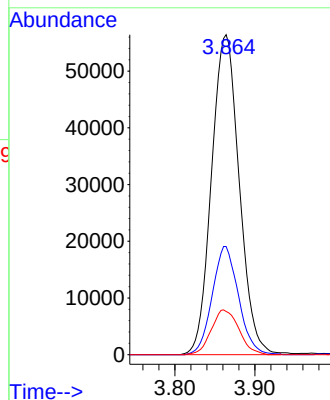
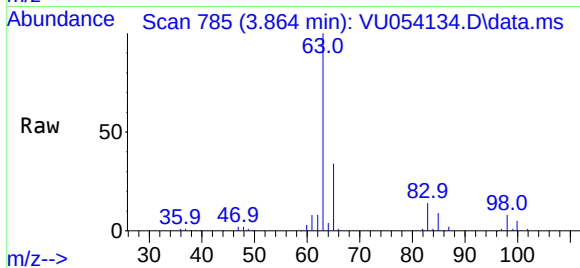




#19
1,1-Dichloroethane
Concen: 45.812 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

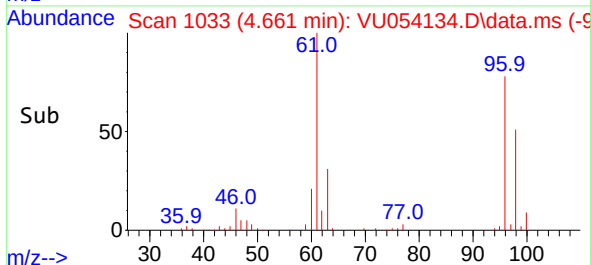
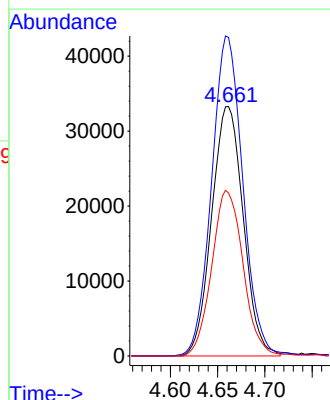
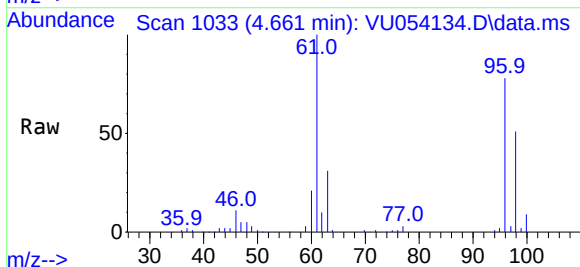
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

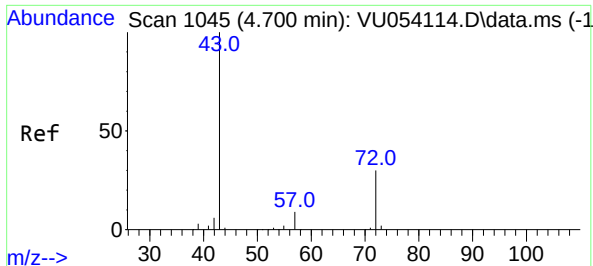
Tgt Ion: 63 Resp: 135780
Ion Ratio Lower Upper
63 100
65 33.8 22.0 40.8
83 13.5 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 45.561 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 96 Resp: 77287
Ion Ratio Lower Upper
96 100
61 127.7 90.9 168.9
98 65.4 45.7 84.9

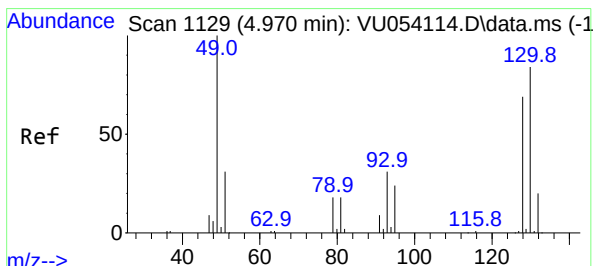
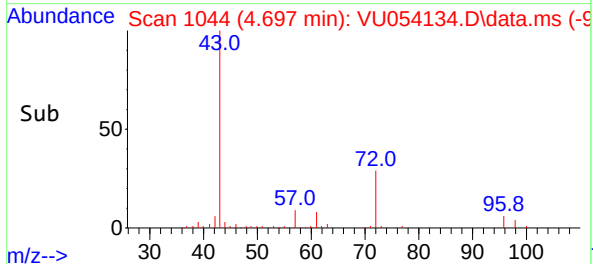
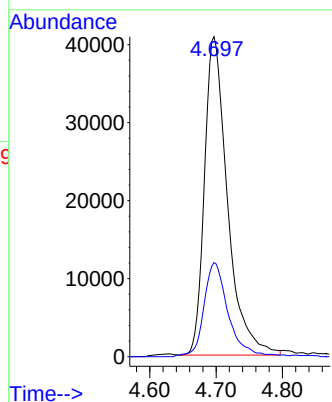
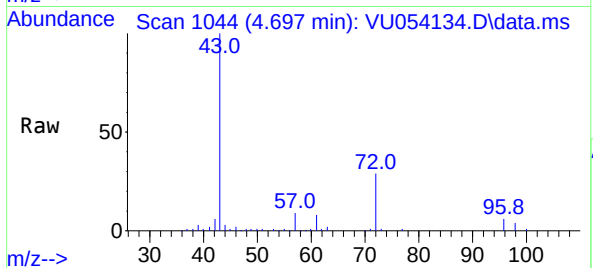




#22
2-Butanone
Concen: 84.981 ug/L
RT: 4.697 min Scan# 110
Delta R.T. -0.006 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

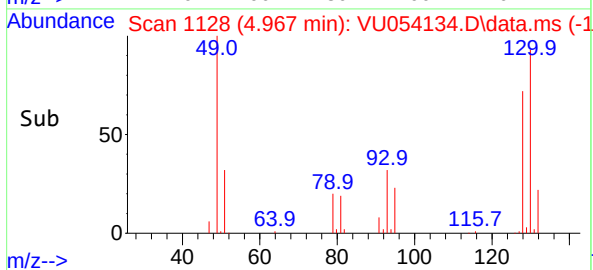
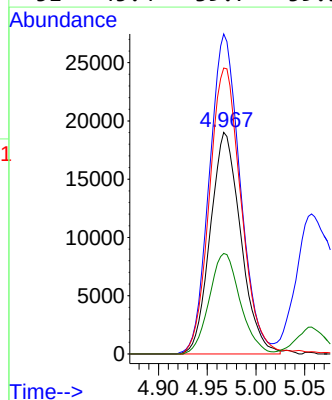
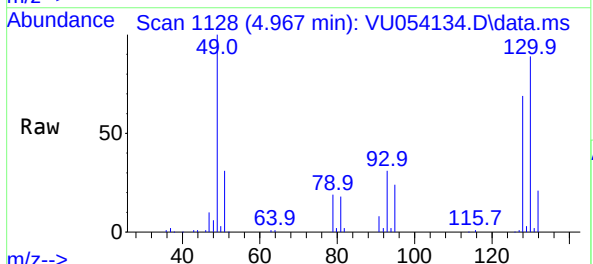
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

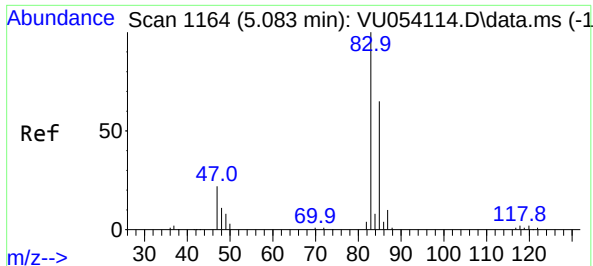
Tgt Ion: 43 Resp: 98860
Ion Ratio Lower Upper
43 100
72 30.4 14.0 41.9



#23
Bromochloromethane
Concen: 47.003 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:128 Resp: 41337
Ion Ratio Lower Upper
128 100
49 144.4 107.5 199.7
130 129.0 91.0 169.0
51 45.4 39.7 59.5

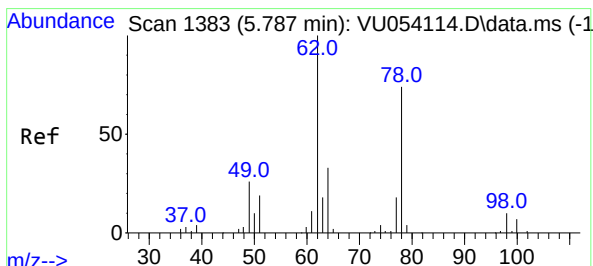
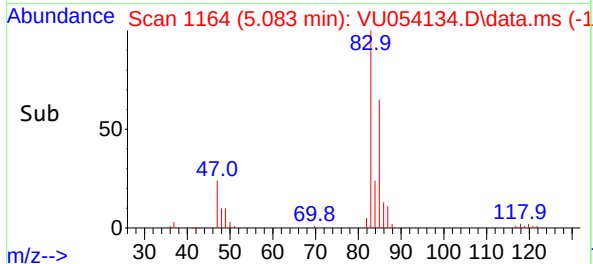
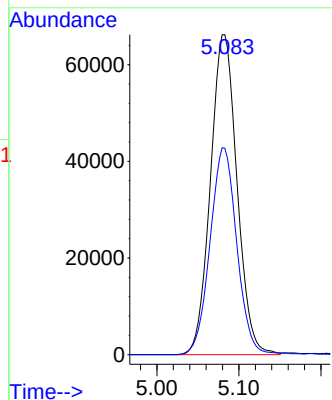
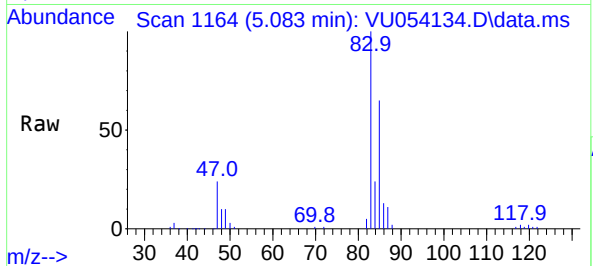




#25
Chloroform
Concen: 47.717 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

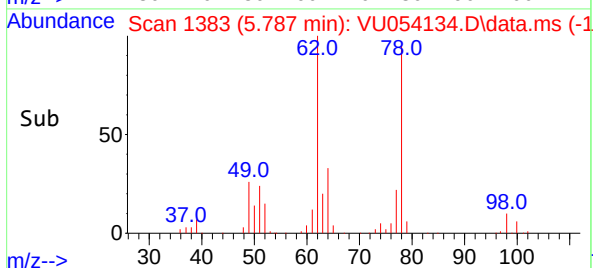
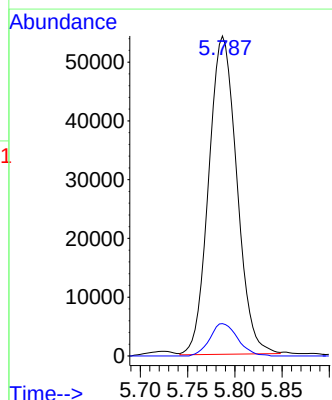
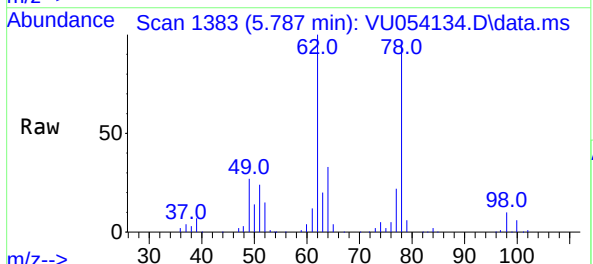
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

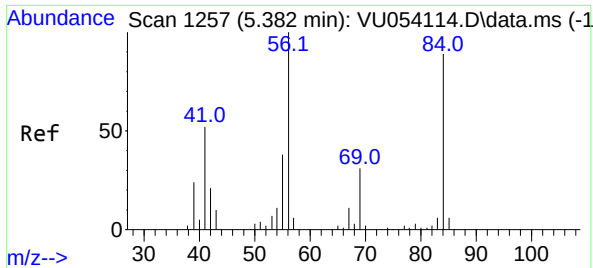
Tgt Ion: 83 Resp: 149239
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 46.560 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 62 Resp: 112008
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0

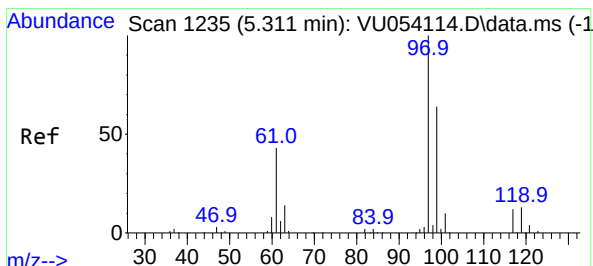
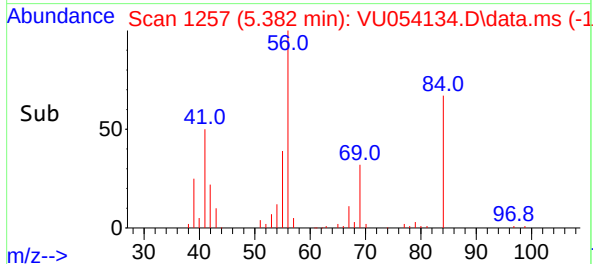
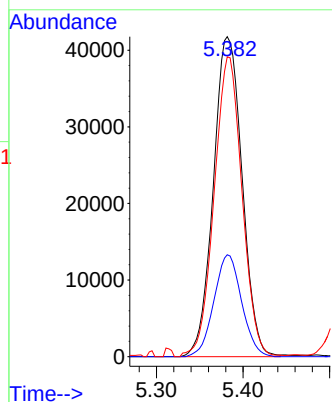
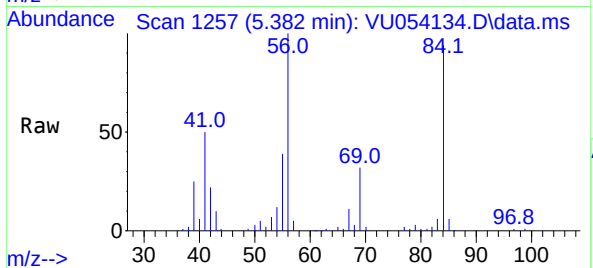




#29
Cyclohexane
Concen: 41.624 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

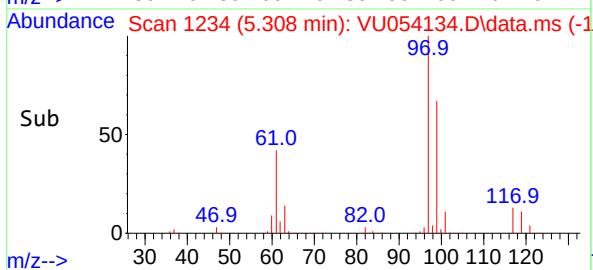
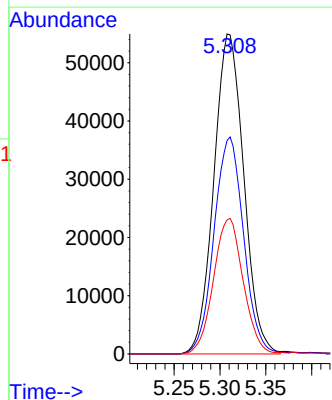
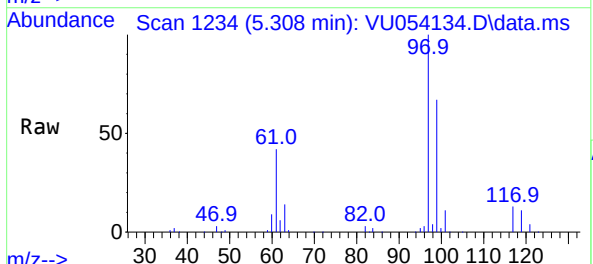
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

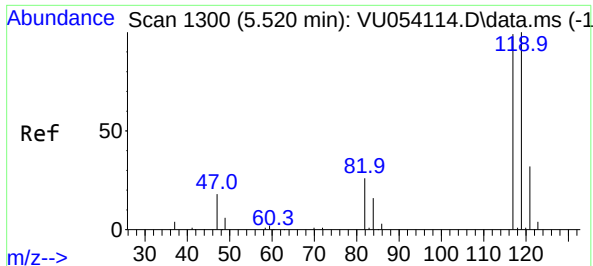
Tgt Ion:	56	Resp:	96284
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.8	38.6
84	90.7	73.6	110.4



#30
1,1,1-Trichloroethane
Concen: 44.700 ug/L
RT: 5.308 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:	97	Resp:	124705
Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.2	76.8
61	42.0	34.2	51.4

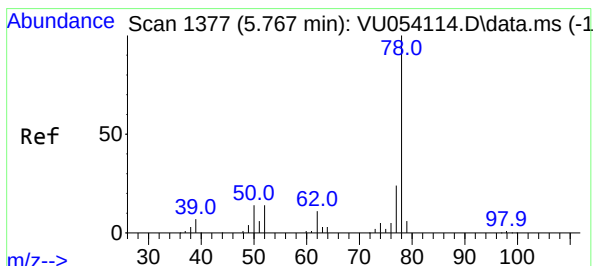
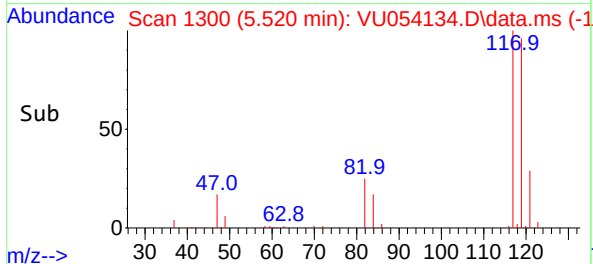
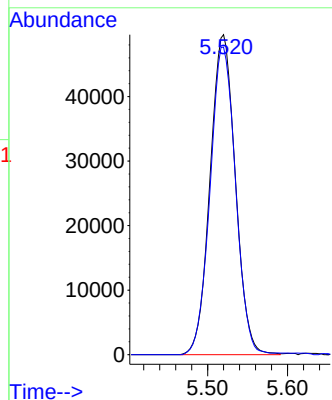
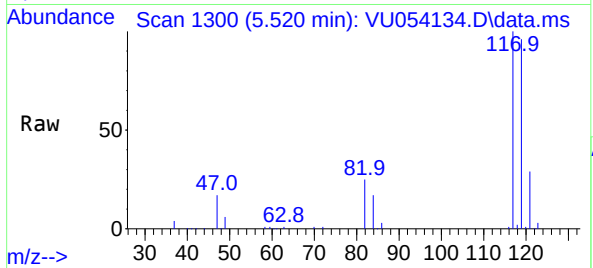




#31
Carbon tetrachloride
Concen: 45.674 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

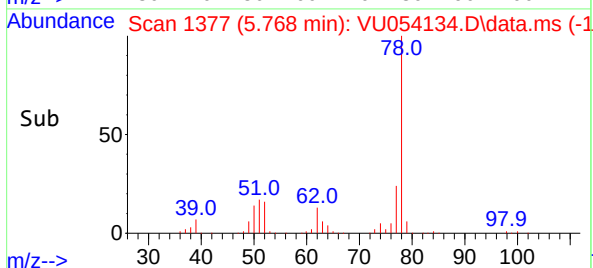
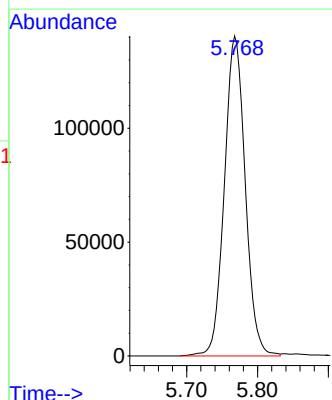
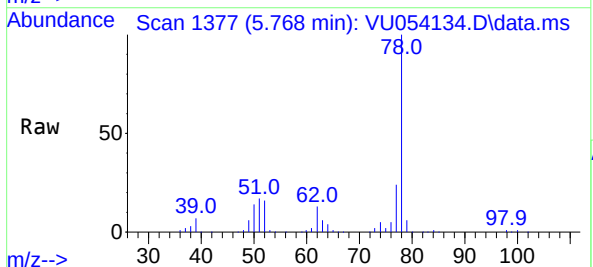
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

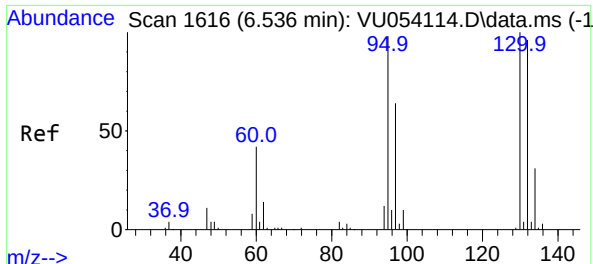
Tgt Ion:117 Resp: 108707
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.6



#33
Benzene
Concen: 44.157 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 78 Resp: 287669



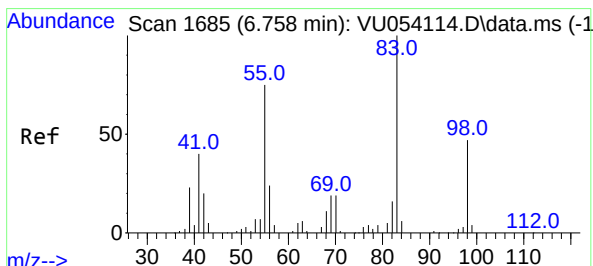
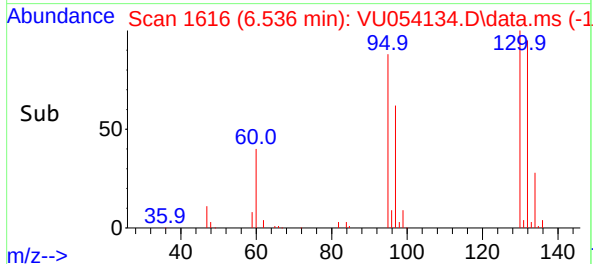
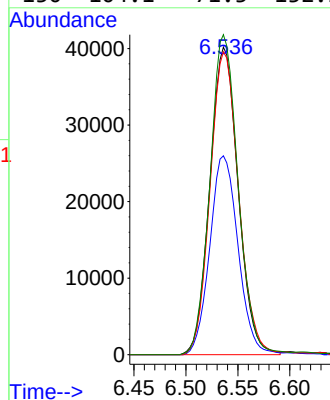
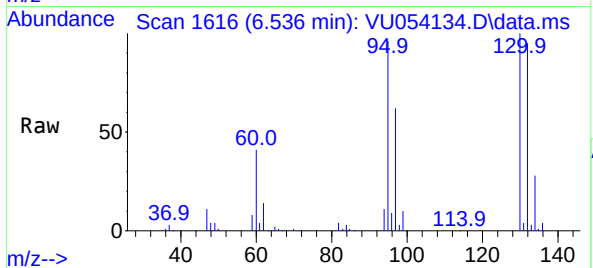


#34
Trichloroethene
Concen: 43.890 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

Tgt Ion: 95 Resp: 75889

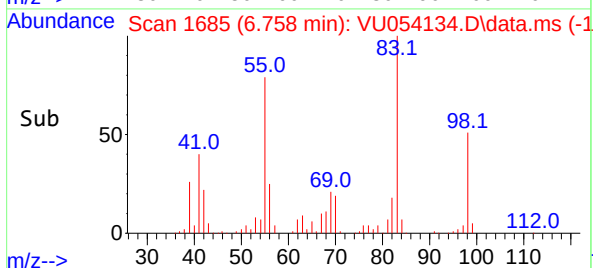
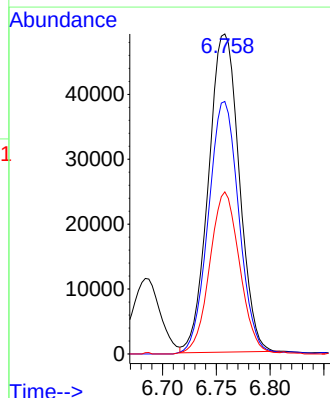
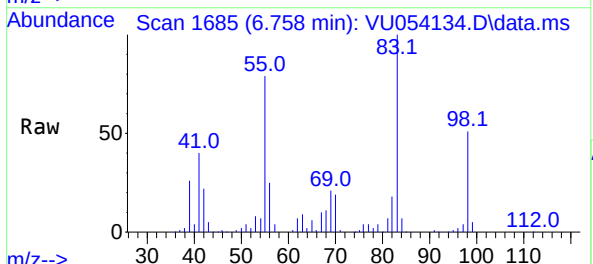
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.5	86.3
132	98.5	67.8	126.0
130	104.1	71.3	132.3

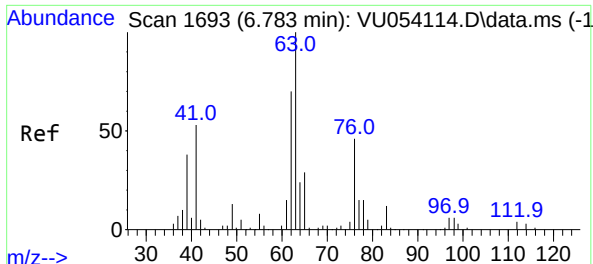


#35
Methylcyclohexane
Concen: 40.252 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 83 Resp: 97612

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.8	92.6
98	49.8	38.4	57.6

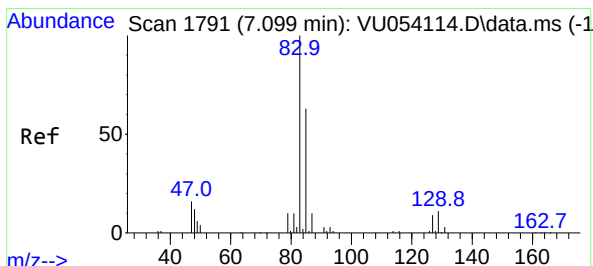
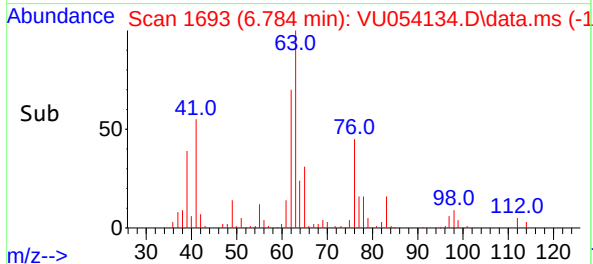
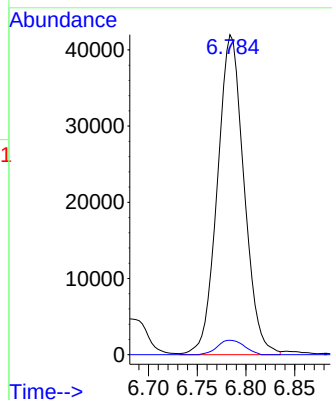
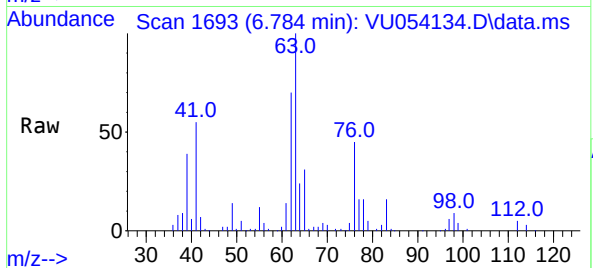




#37
1,2-Dichloropropane
Concen: 43.310 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

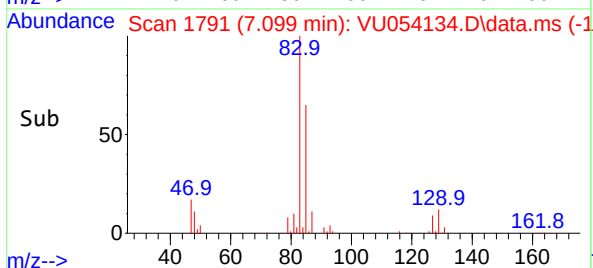
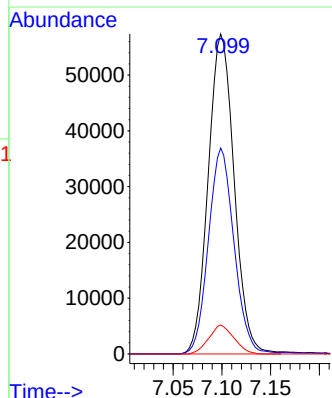
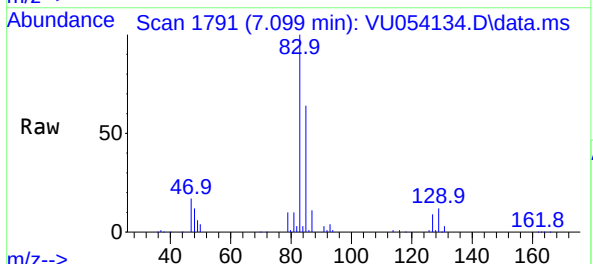
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

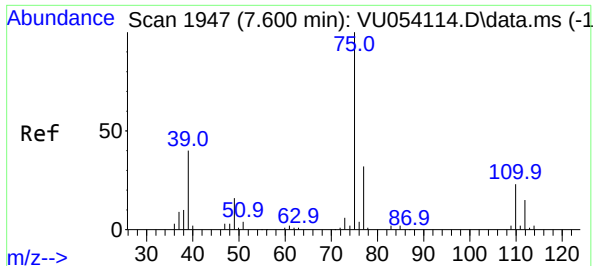
Tgt Ion: 63 Resp: 79826
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 45.779 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 83 Resp: 106304
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6
127 9.0 7.1 10.7

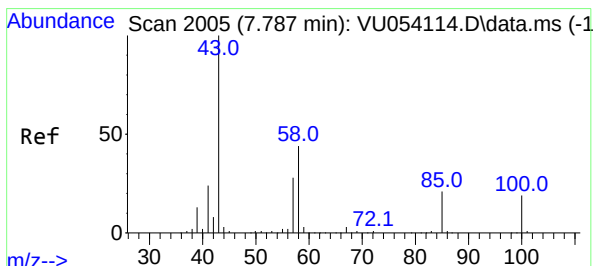
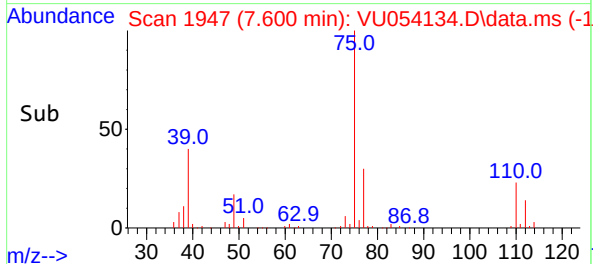
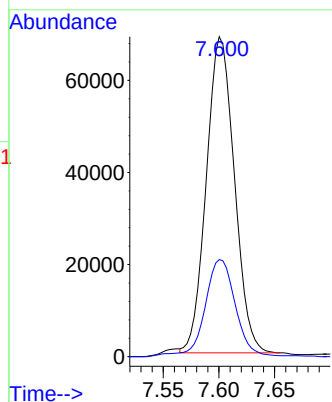
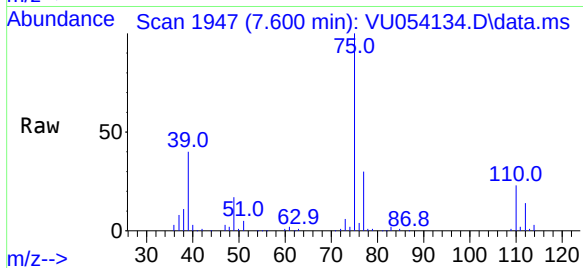




#39
cis-1,3-Dichloropropene
Concen: 41.734 ug/L
RT: 7.600 min Scan# 1947
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

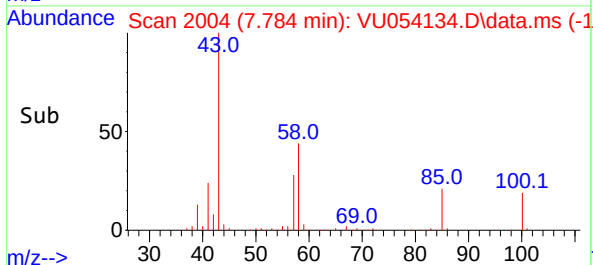
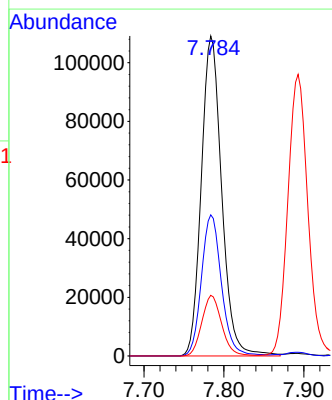
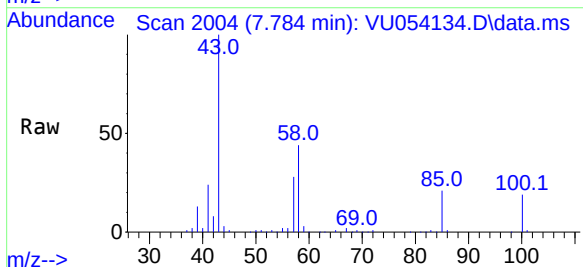
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

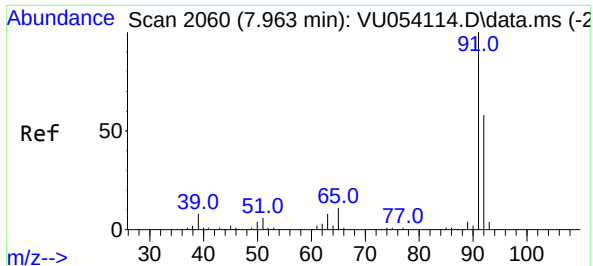
Tgt Ion: 75 Resp: 120331
Ion Ratio Lower Upper
75 100
77 30.3 21.1 39.1



#40
4-Methyl-2-pentanone
Concen: 90.346 ug/L
RT: 7.784 min Scan# 2004
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 43 Resp: 194055
Ion Ratio Lower Upper
43 100
58 43.4 34.5 51.7
100 18.4 13.8 20.6

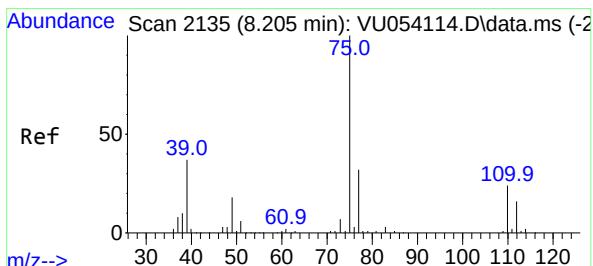
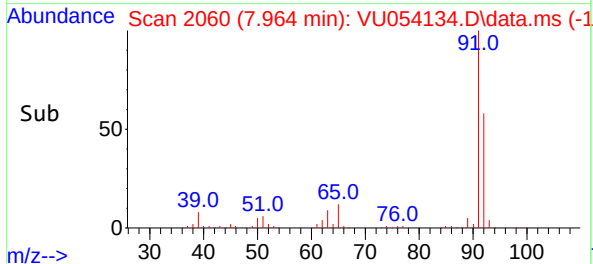
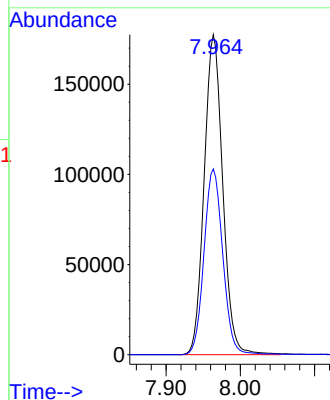
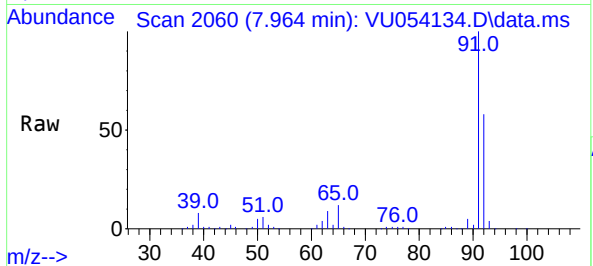




#42
Toluene
Concen: 45.481 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

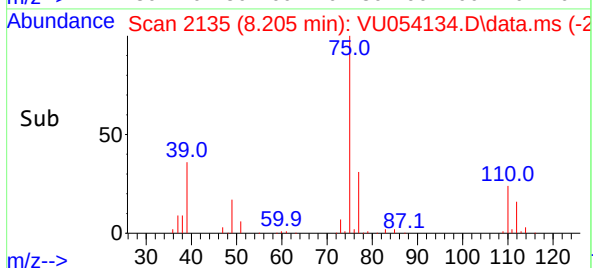
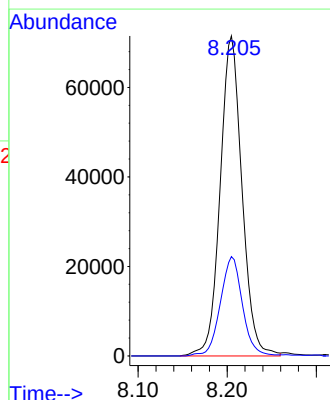
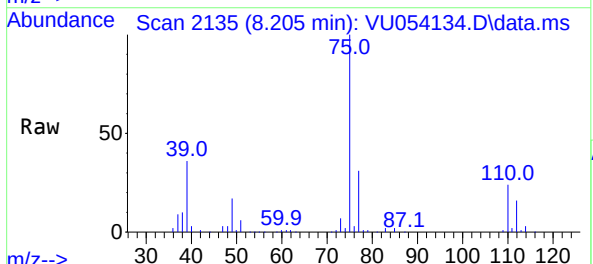
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

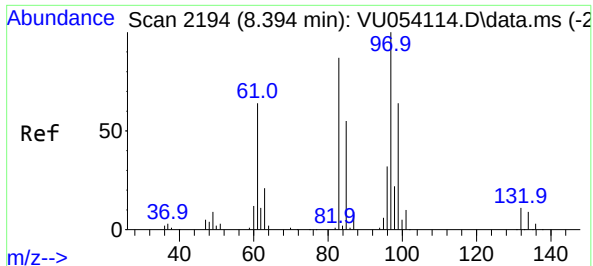
Tgt Ion: 91 Resp: 308461
Ion Ratio Lower Upper
91 100
92 58.0 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 44.421 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 75 Resp: 121720
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 46.890 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050097

Tgt Ion: 97 Resp: 83652

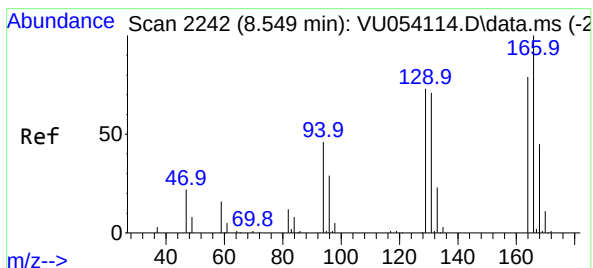
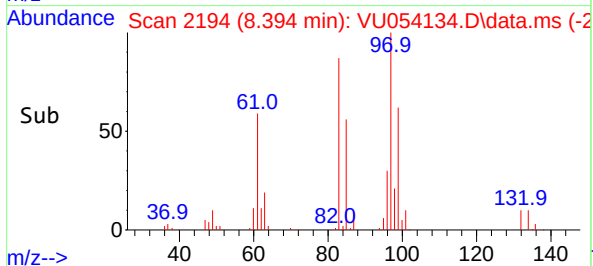
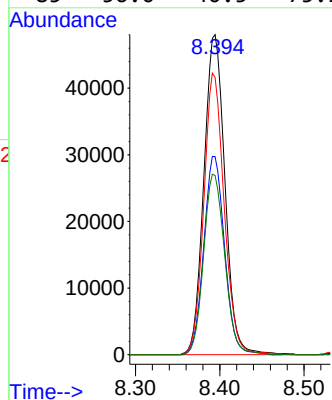
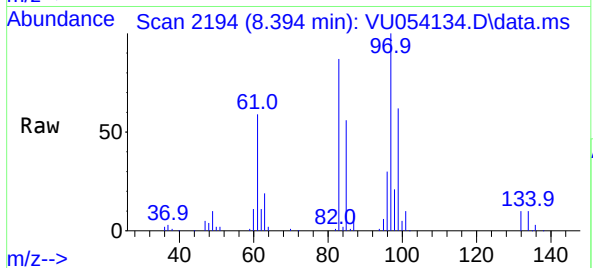
Ion Ratio Lower Upper

97 100

99 61.9 46.2 85.8

83 86.7 62.7 116.5

85 56.0 40.5 75.1



#46

Tetrachloroethene

Concen: 43.705 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Tgt Ion:164 Resp: 59952

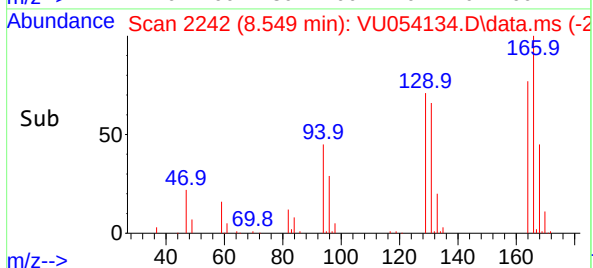
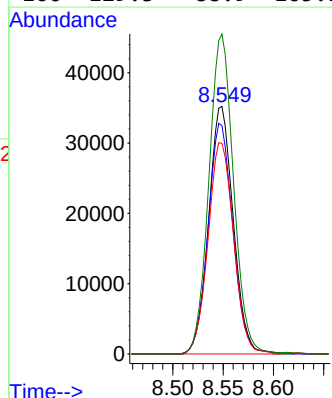
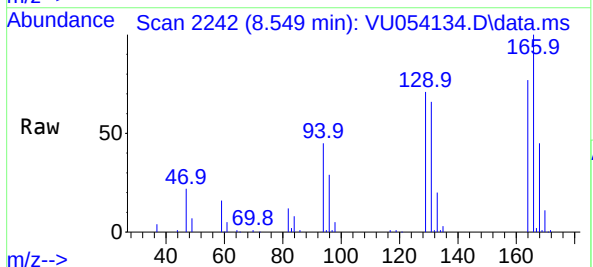
Ion Ratio Lower Upper

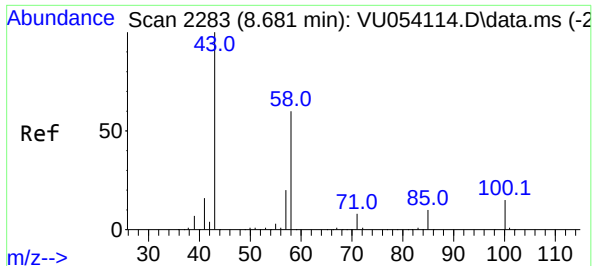
164 100

129 92.2 65.6 121.8

131 85.1 63.8 118.4

166 129.3 88.9 165.1



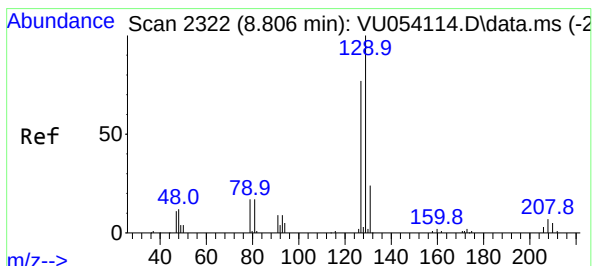
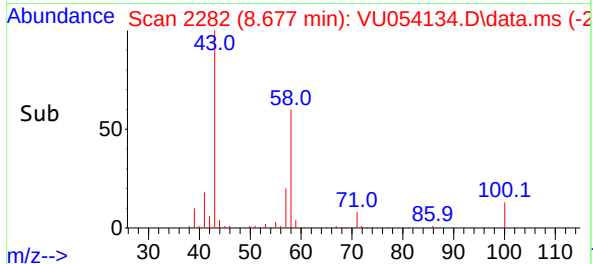
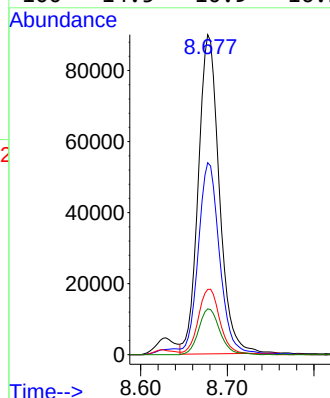
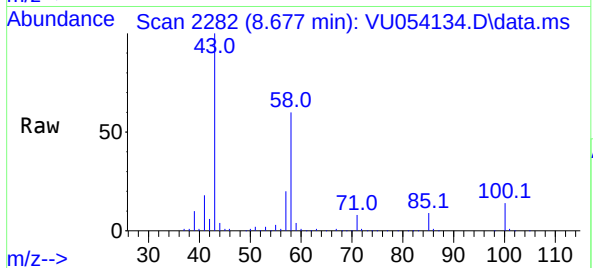


#48
2-Hexanone
Concen: 88.950 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

Tgt Ion: 43 Resp: 151413

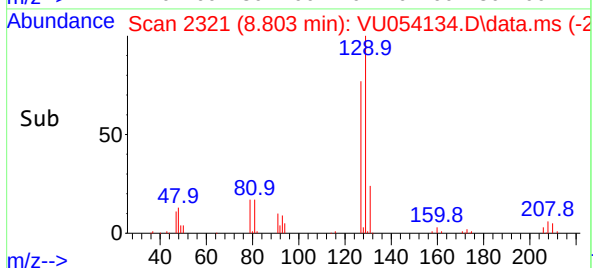
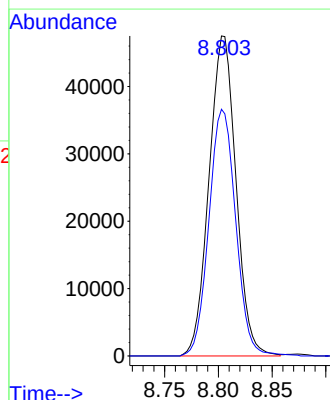
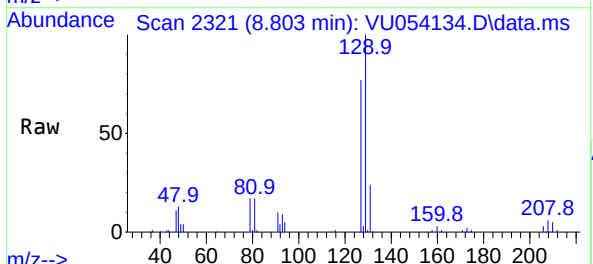
Ion	Ratio	Lower	Upper
43	100		
58	60.2	48.5	72.7
57	21.4	16.5	24.7
100	14.5	10.9	16.3

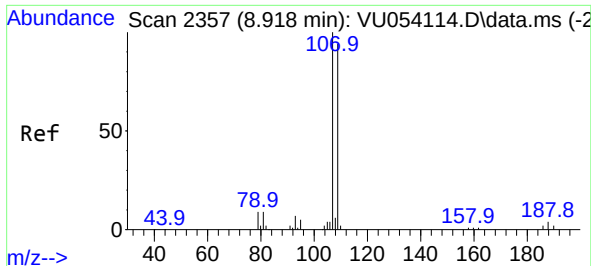


#49
Dibromochloromethane
Concen: 47.229 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 129 Resp: 83026

Ion	Ratio	Lower	Upper
129	100		
127	77.1	52.9	98.3

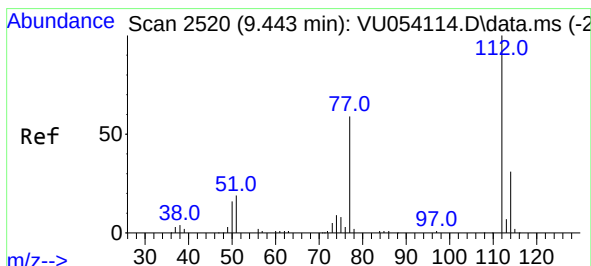
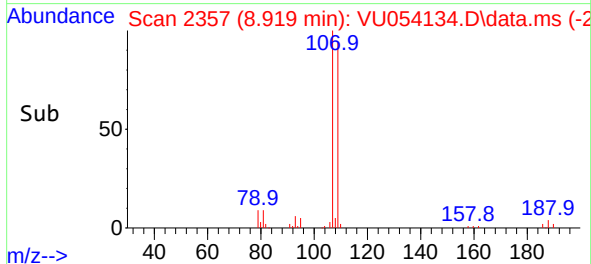
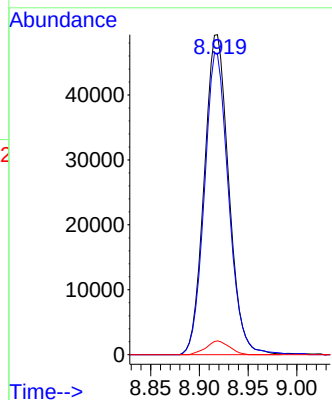
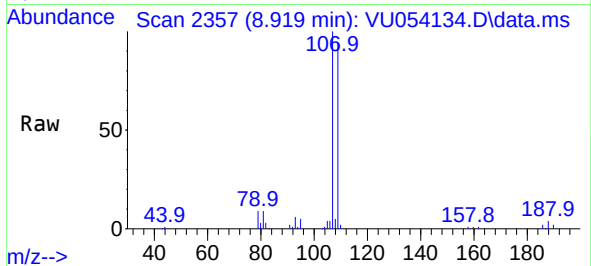




#50
1,2-Dibromoethane
Concen: 47.591 ug/L
RT: 8.919 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

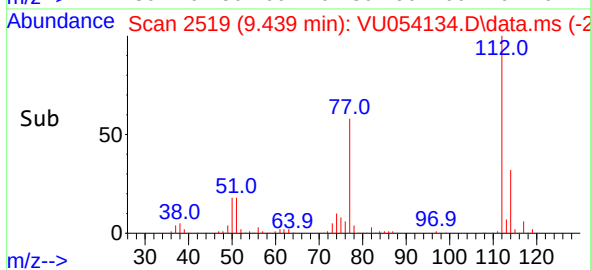
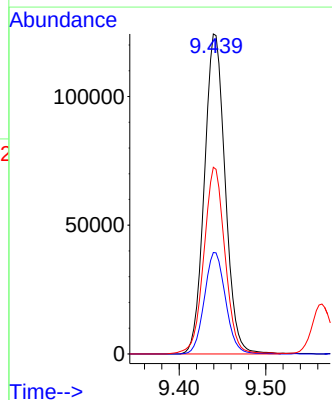
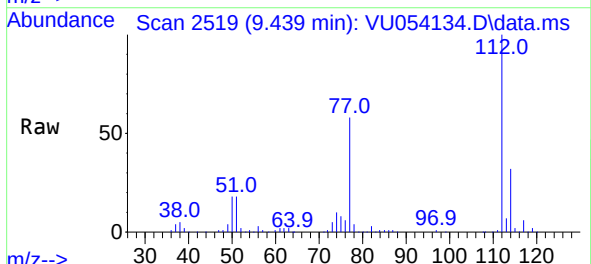
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

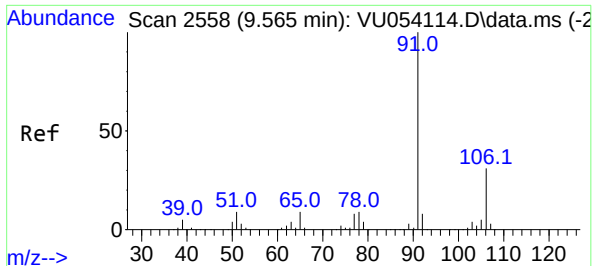
Tgt Ion:107 Resp: 86176
Ion Ratio Lower Upper
107 100
109 93.9 66.1 122.8
188 4.3 3.1 4.7



#51
Chlorobenzene
Concen: 45.753 ug/L
RT: 9.439 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:112 Resp: 207546
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 58.3 47.0 70.4





#52

Ethylbenzene

Concen: 45.154 ug/L

RT: 9.565 min Scan# 2558

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

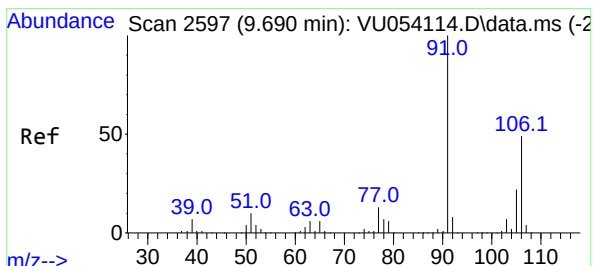
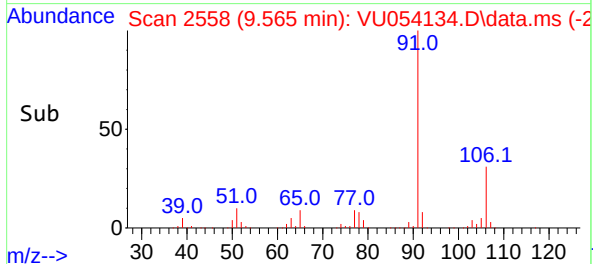
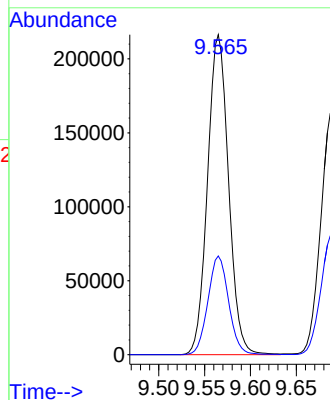
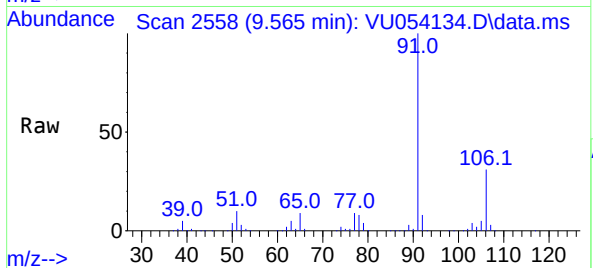
VSTD050097

Tgt Ion: 91 Resp: 344667

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#53

m,p-Xylene

Concen: 46.476 ug/L

RT: 9.687 min Scan# 2596

Delta R.T. -0.003 min

Lab File: VU054134.D

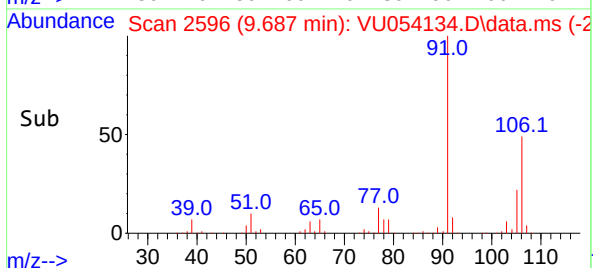
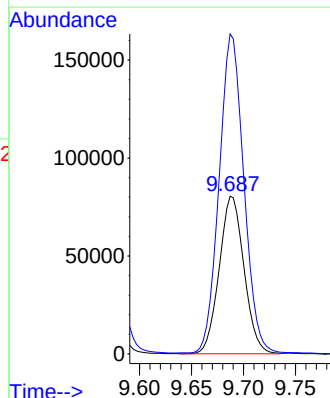
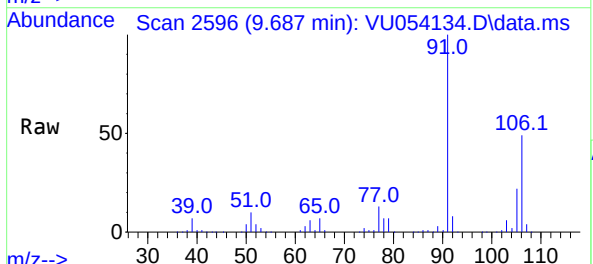
Acq: 09 May 2023 20:31

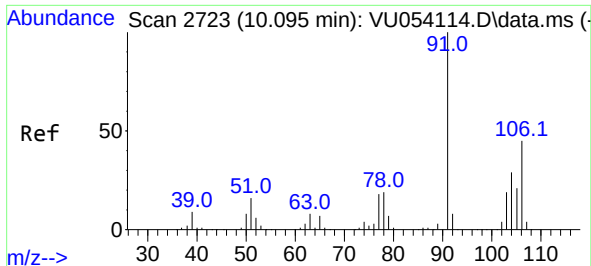
Tgt Ion: 106 Resp: 133215

Ion Ratio Lower Upper

106 100

91 202.9 140.5 260.9

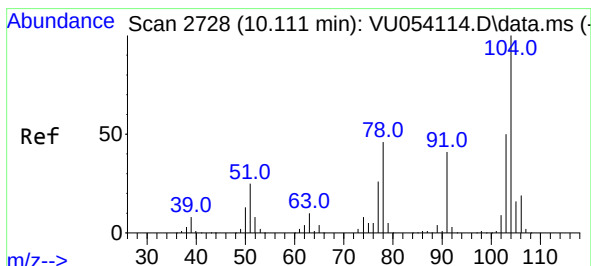
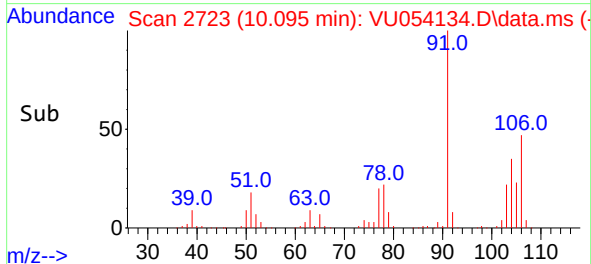
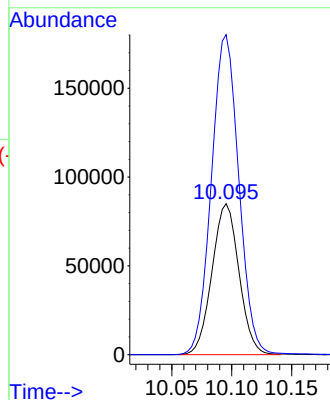
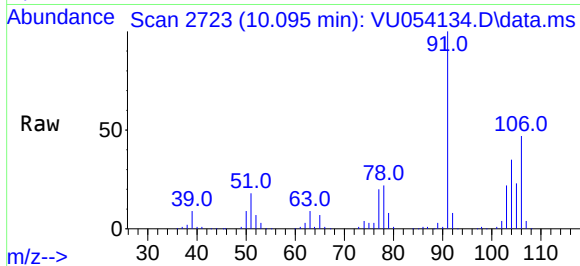




#54
o-Xylene
Concen: 47.467 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

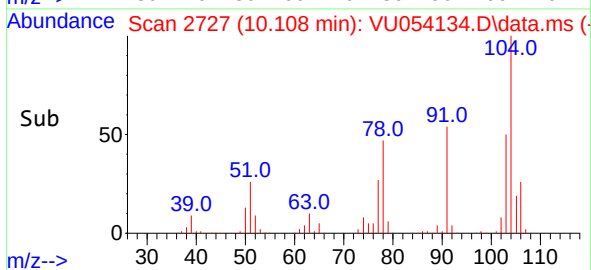
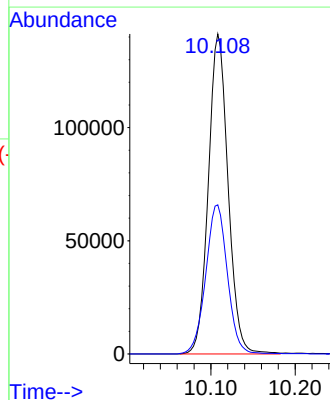
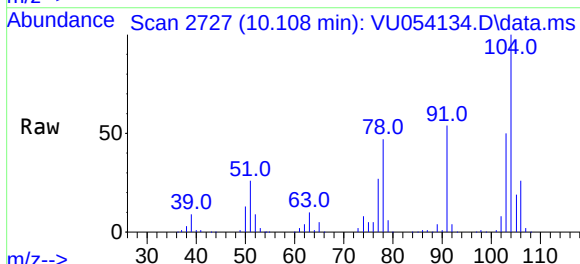
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

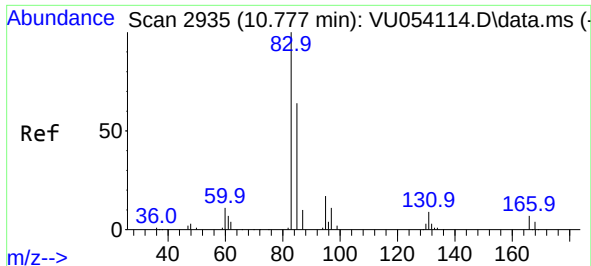
Tgt Ion:106 Resp: 133105
Ion Ratio Lower Upper
106 100
91 211.8 154.9 287.7



#55
Styrene
Concen: 47.875 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:104 Resp: 230267
Ion Ratio Lower Upper
104 100
78 46.6 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 46.868 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050097

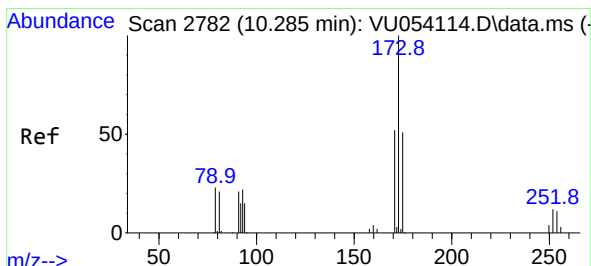
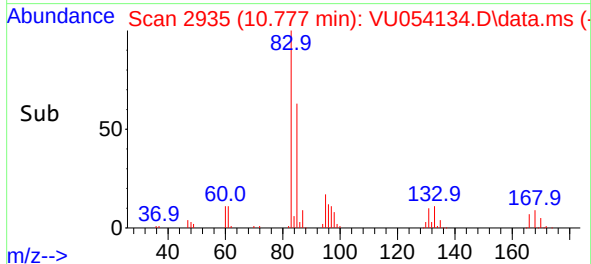
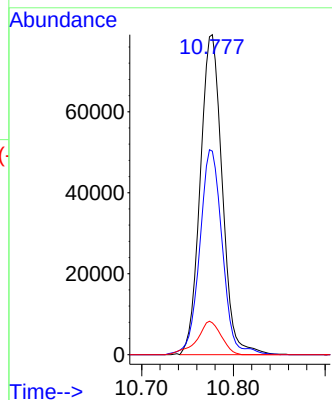
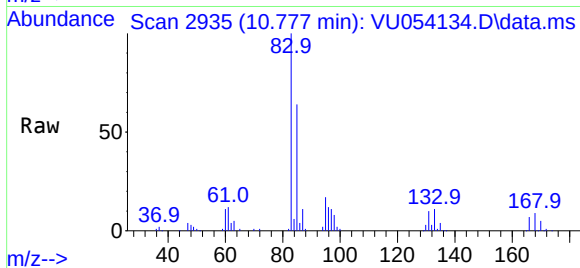
Tgt Ion: 83 Resp: 131711

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

131 10.0 8.2 12.2



#59

Bromoform

Concen: 44.661 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

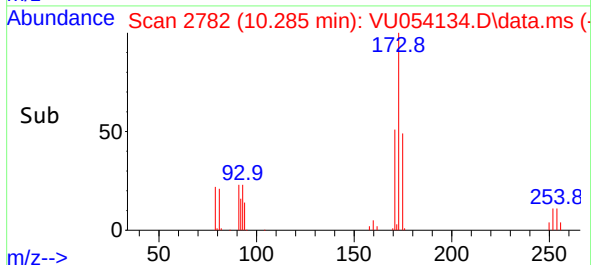
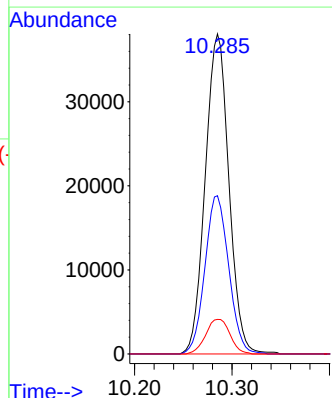
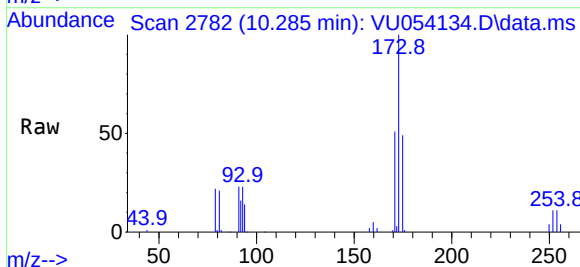
Tgt Ion:173 Resp: 64154

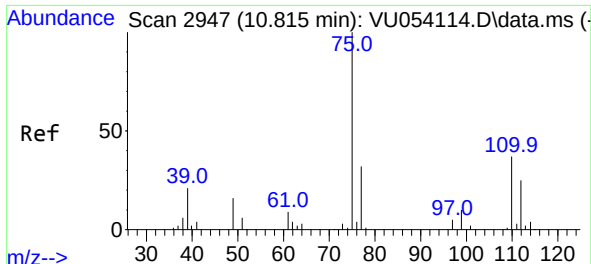
Ion Ratio Lower Upper

173 100

175 49.9 38.9 58.3

254 11.1 8.5 12.7



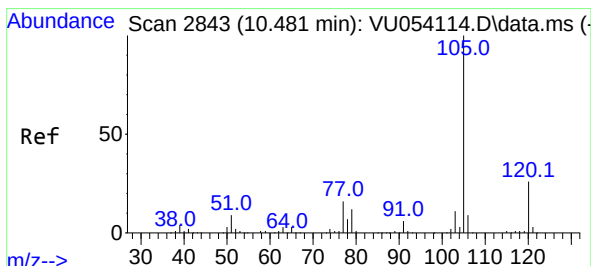
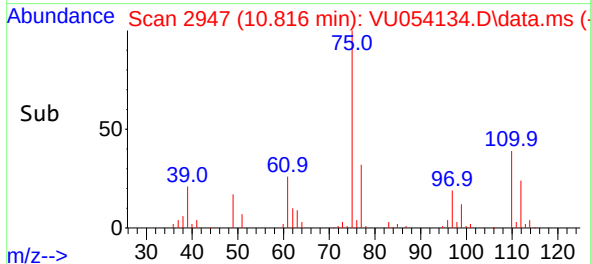
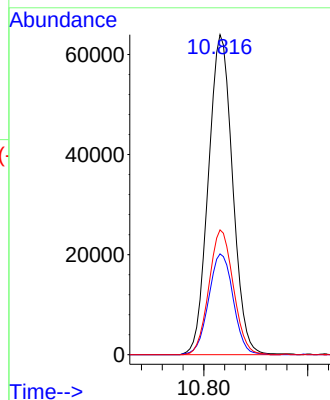
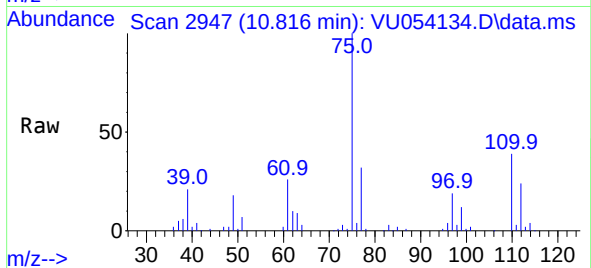


#60
1,2,3-Trichloropropane
Concen: 43.382 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

Tgt Ion: 75 Resp: 103392

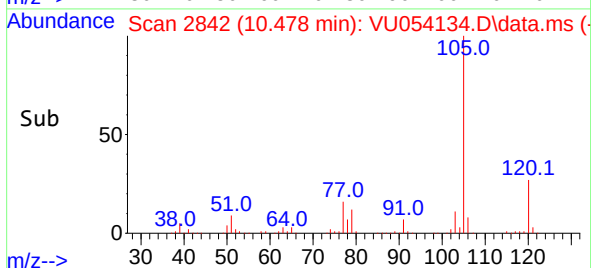
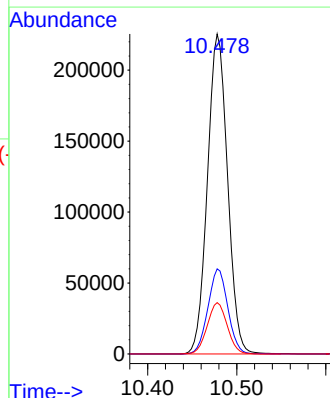
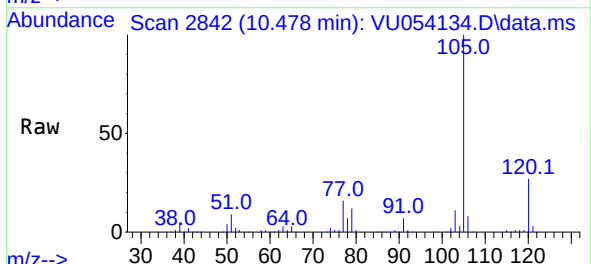
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0
110	39.3	31.8	47.8

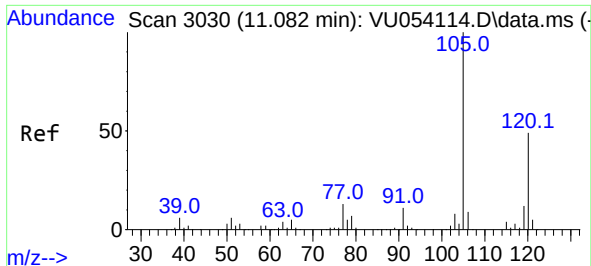


#61
Isopropylbenzene
Concen: 43.599 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion: 105 Resp: 353122

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.3	31.9
77	15.9	12.7	19.1

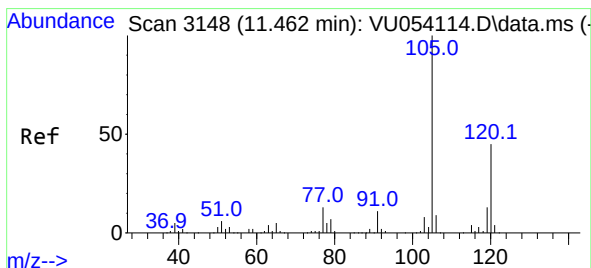
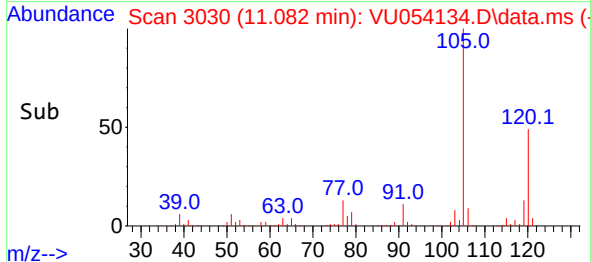
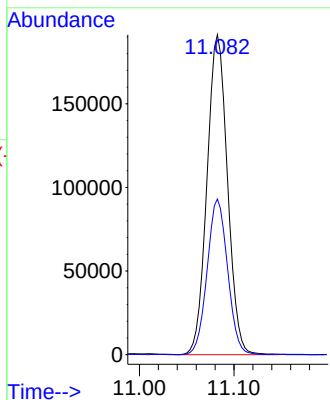
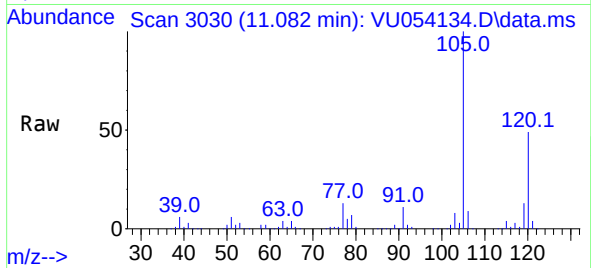




#62
1,3,5-Trimethylbenzene
Concen: 43.461 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

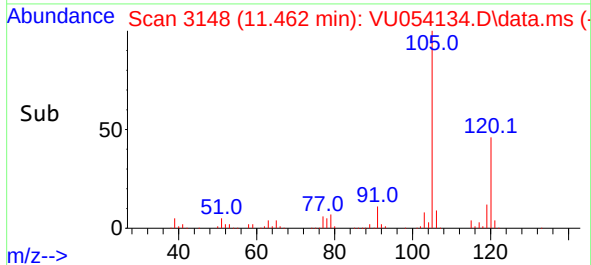
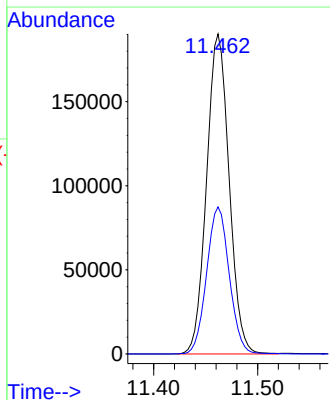
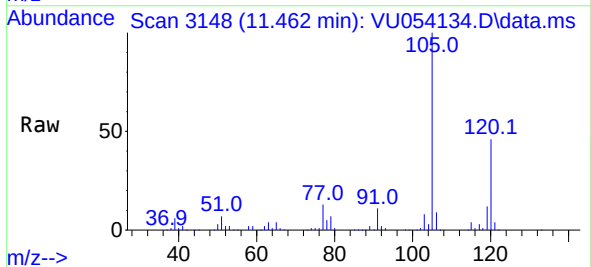
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

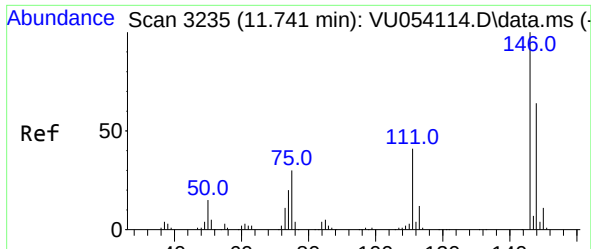
Tgt Ion:105 Resp: 288452
Ion Ratio Lower Upper
105 100
120 48.5 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 43.792 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:105 Resp: 286478
Ion Ratio Lower Upper
105 100
120 46.1 36.5 54.7

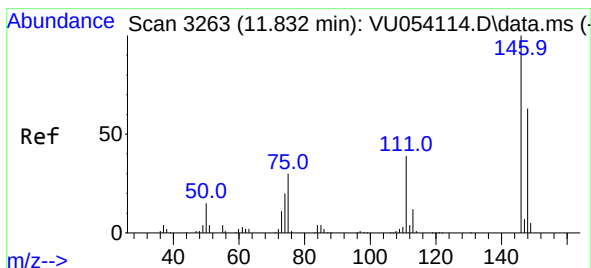
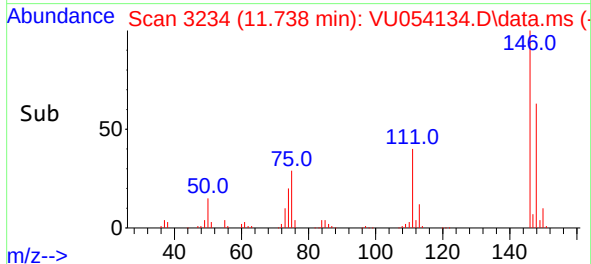
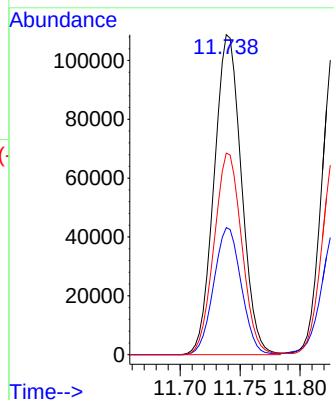
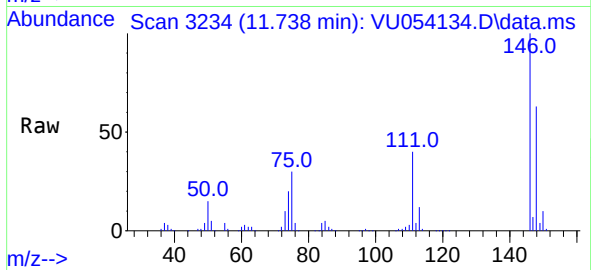




#64
1,3-Dichlorobenzene
Concen: 43.530 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

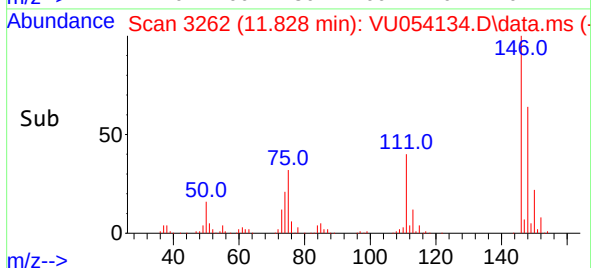
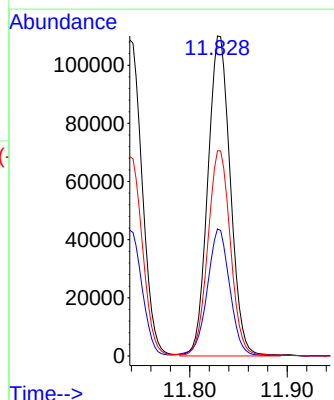
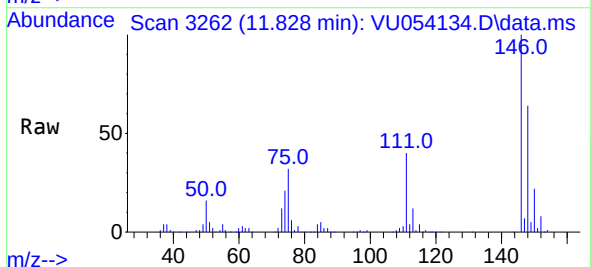
Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

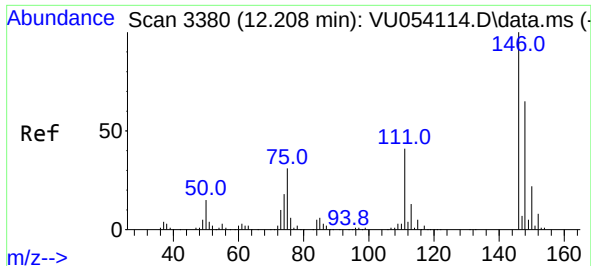
Tgt Ion:146 Resp: 172432
Ion Ratio Lower Upper
146 100
111 39.7 27.9 51.7
148 63.0 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 43.781 ug/L
RT: 11.828 min Scan# 3262
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:146 Resp: 176624
Ion Ratio Lower Upper
146 100
111 39.7 27.9 51.7
148 64.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 43.997 ug/L

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050097

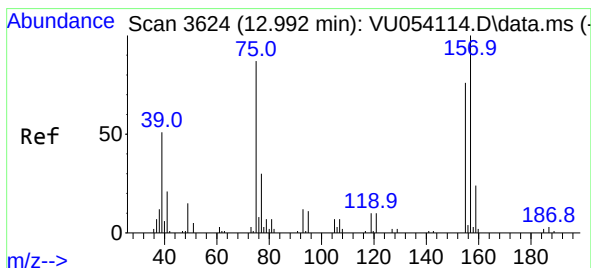
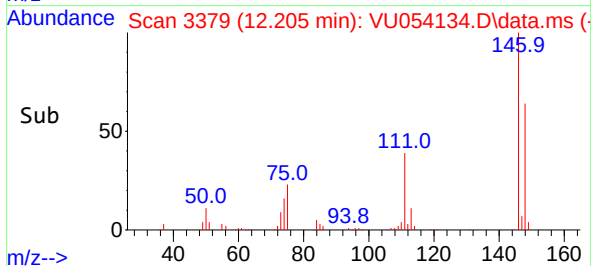
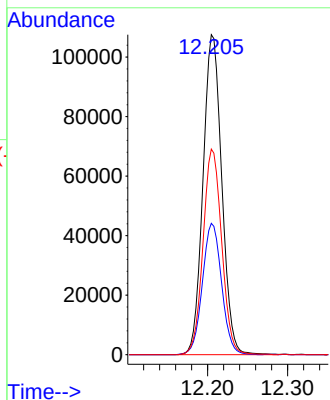
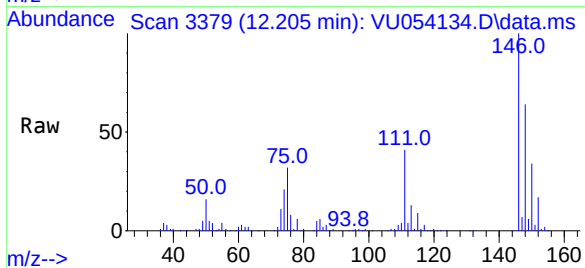
Tgt Ion:146 Resp: 175891

Ion Ratio Lower Upper

146 100

111 41.0 33.4 50.0

148 64.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 44.357 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054134.D

Acq: 09 May 2023 20:31

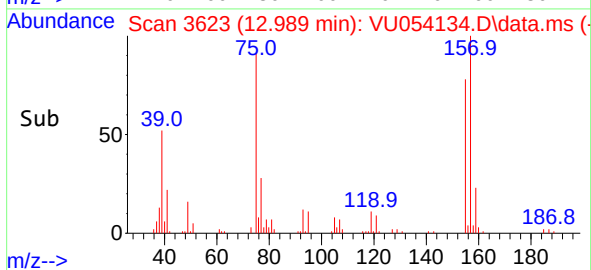
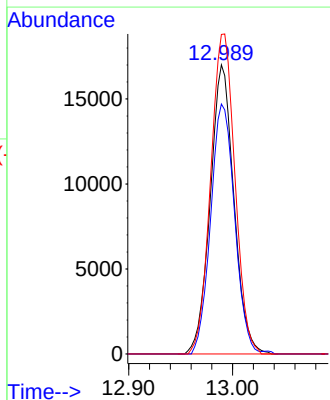
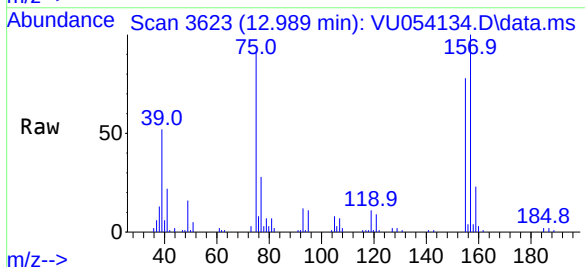
Tgt Ion: 75 Resp: 26970

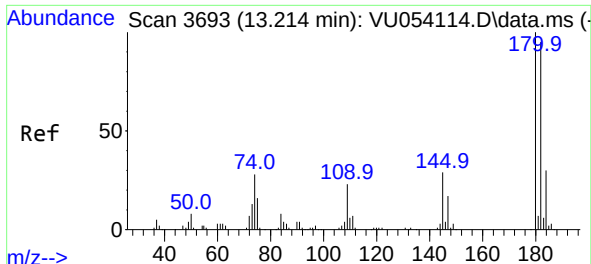
Ion Ratio Lower Upper

75 100

155 86.4 67.8 101.6

157 110.5 88.3 132.5



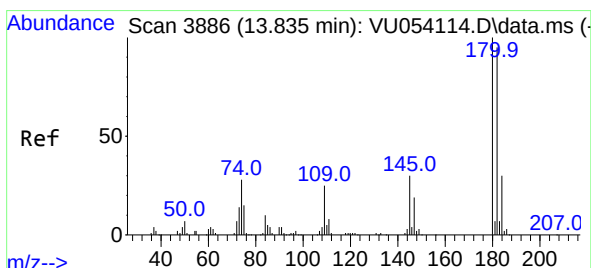
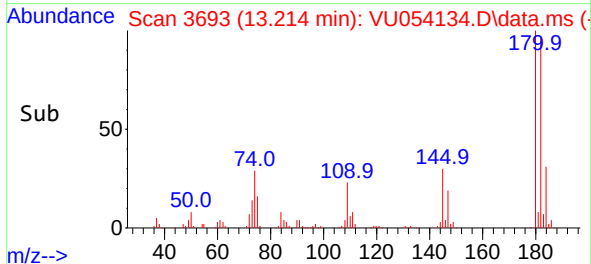
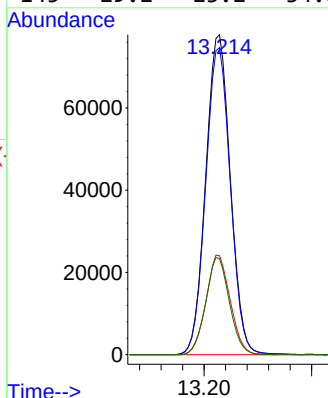
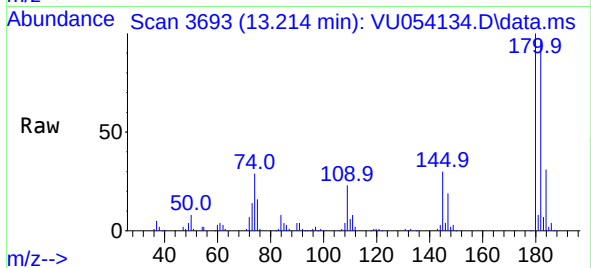


#69
 1,3,5-Trichlorobenzene
 Concen: 43.112 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054134.D
 Acq: 09 May 2023 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Tgt Ion:180 Resp: 123750

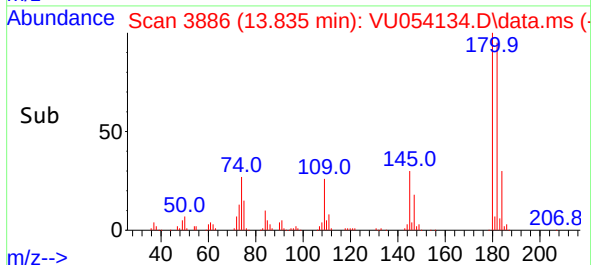
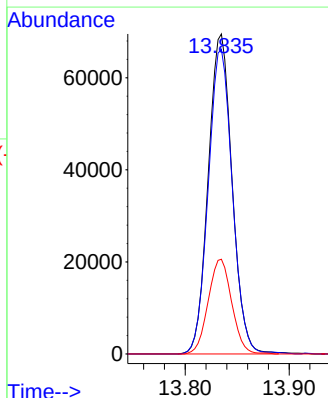
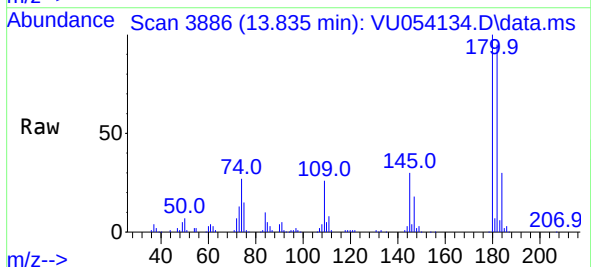
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
184	30.4	24.2	36.2
145	29.2	23.2	34.8

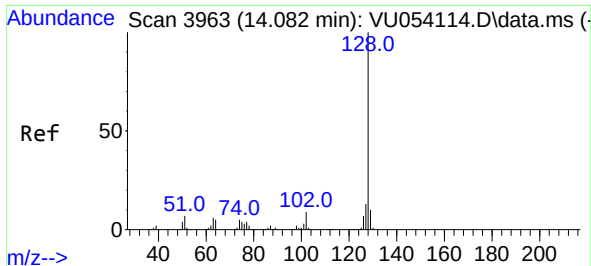


#70
 1,2,4-trichlorobenzene
 Concen: 42.565 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054134.D
 Acq: 09 May 2023 20:31

Tgt Ion:180 Resp: 110765

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
145	29.2	23.8	35.8



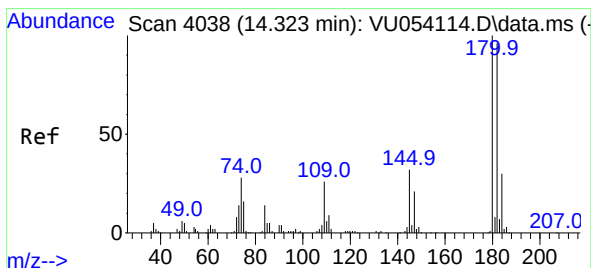
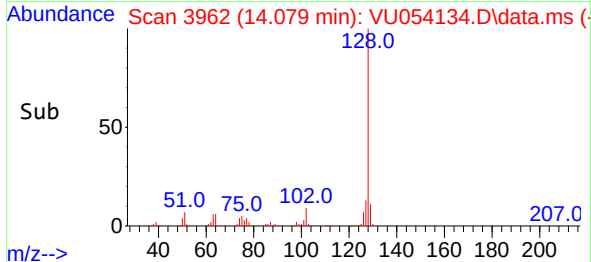
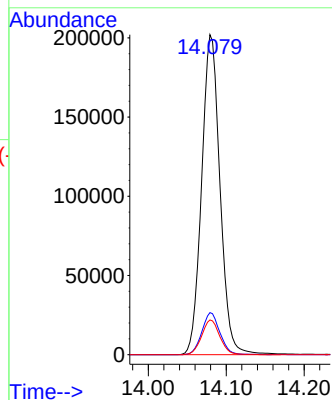
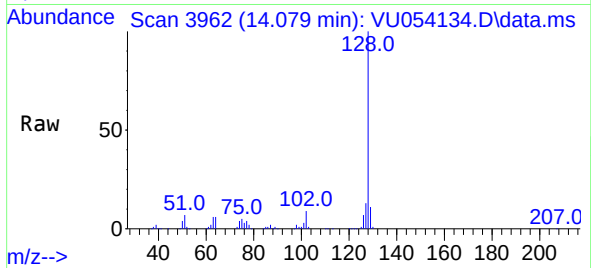


#71
Naphthalene
Concen: 43.837 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD050097

Tgt Ion:128 Resp: 330875

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.7	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 44.710 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054134.D
Acq: 09 May 2023 20:31

Tgt Ion:180 Resp: 115736

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
145	31.8	24.9	37.3

