

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054112.D
 Acq On : 09 May 2023 04:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

Quant Time: May 09 06:14:35 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	241418	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	232618	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67659	37.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.120%
7) Chloroethane-d5	1.906	69	55198	46.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.100%
11) 1,1-Dichloroethene-d2	2.565	63	134955	41.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.340%
21) 2-Butanone-d5	4.616	46	107123	102.868	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.870%
24) Chloroform-d	5.057	84	160867	47.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.940%
26) 1,2-Dichloroethane-d4	5.694	65	101407	47.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	5.719	84	293450	42.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.720%
36) 1,2-Dichloropropane-d6	6.684	67	96129	44.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.940%
41) Toluene-d8	7.893	98	275383	44.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.100%
43) trans-1,3-Dichloroprop...	8.173	79	46097	43.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.180%
47) 2-Hexanone-d5	8.629	63	72476	93.612	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.610%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139744	49.080	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	120364	47.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	72533	41.642	ug/L	99
3) Chloromethane	1.517	50	68856	43.013	ug/L	99
5) Vinyl chloride	1.604	62	73455	43.142	ug/L	100
6) Bromomethane	1.851	94	37711	39.732	ug/L	97
8) Chloroethane	1.928	64	48479	52.250	ug/L	98
9) Trichlorofluoromethane	2.134	101	123149	45.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	71651	44.341	ug/L	98
12) 1,1-Dichloroethene	2.575	96	63480	45.331	ug/L	97
13) Acetone	2.626	43	66579	65.138	ug/L	98
14) Carbon disulfide	2.790	76	132335	42.577	ug/L	99
15) Methyl Acetate	2.945	43	74808	46.734	ug/L	99
16) Methylene chloride	3.041	84	80331	45.484	ug/L	95
17) trans-1,2-Dichloroethene	3.346	96	65397	45.670	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	244503	46.445	ug/L	98
19) 1,1-Dichloroethane	3.861	63	140746	45.779	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	82690	46.992	ug/L	94
22) 2-Butanone	4.697	43	105391	87.335	ug/L	99
23) Bromochloromethane	4.970	128	43560	47.748	ug/L	95
25) Chloroform	5.079	83	152885	47.123	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054112.D
 Acq On : 09 May 2023 04:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

Quant Time: May 09 06:14:35 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

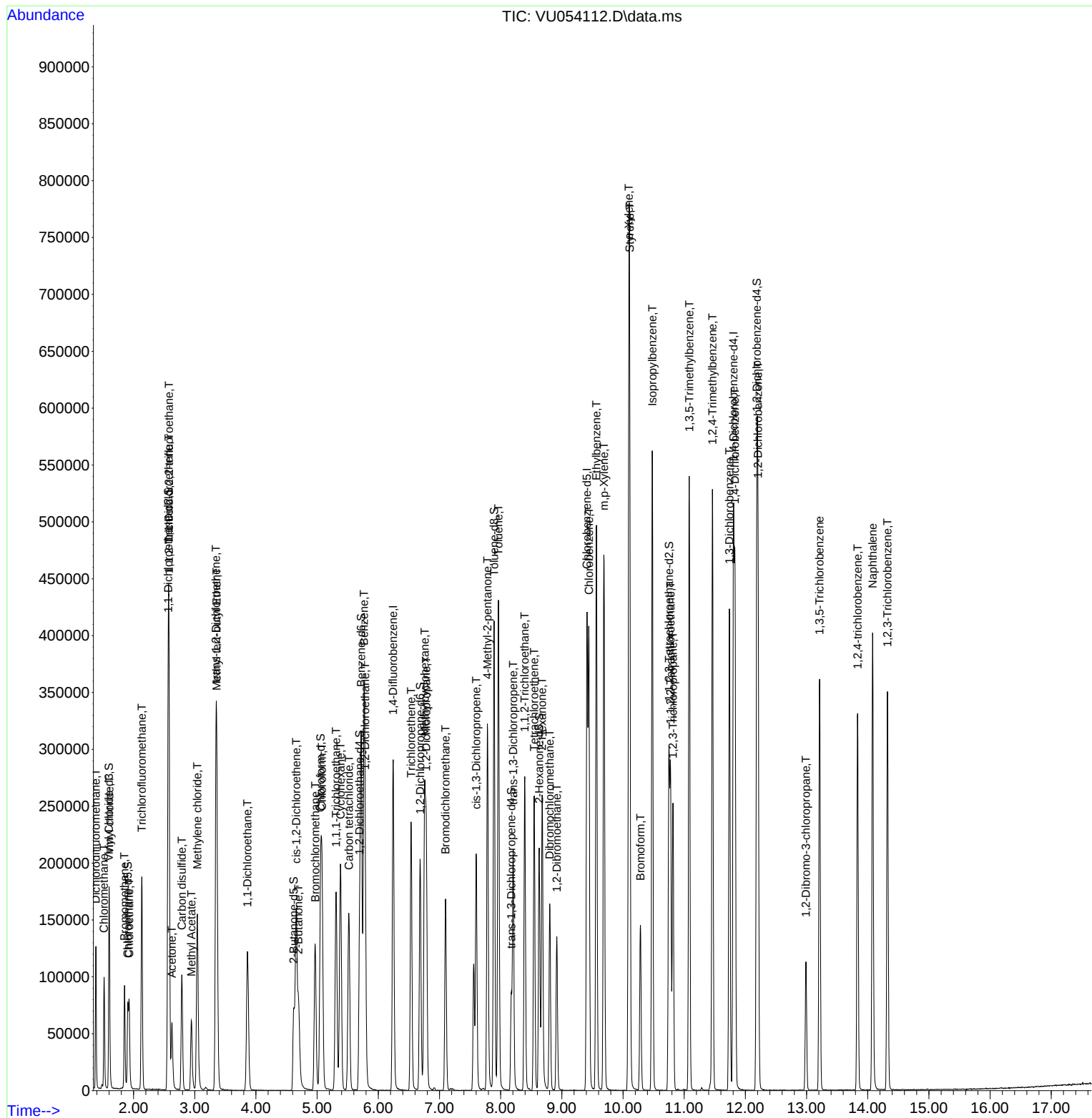
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	115649	46.343	ug/L	99
29) Cyclohexane	5.382	56	97091	40.385	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	131507	45.356	ug/L	99
31) Carbon tetrachloride	5.520	117	113252	45.784	ug/L	98
33) Benzene	5.768	78	297754	43.976	ug/L	100
34) Trichloroethene	6.536	95	79915	44.470	ug/L	98
35) Methylcyclohexane	6.758	83	101514	40.278	ug/L	98
37) 1,2-Dichloropropane	6.784	63	82417	43.025	ug/L	97
38) Bromodichloromethane	7.099	83	111483	46.194	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	123841	41.327	ug/L	97
40) 4-Methyl-2-pentanone	7.784	43	204984	91.825	ug/L	99
42) Toluene	7.964	91	316470	44.898	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	123281	43.289	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	85922	46.341	ug/L	97
46) Tetrachloroethene	8.549	164	61259	42.969	ug/L	99
48) 2-Hexanone	8.677	43	160025	90.454	ug/L	99
49) Dibromochloromethane	8.803	129	84875	46.455	ug/L	94
50) 1,2-Dibromoethane	8.919	107	88072	46.799	ug/L	96
51) Chlorobenzene	9.443	112	214304	45.456	ug/L	100
52) Ethylbenzene	9.565	91	354663	44.706	ug/L	98
53) m,p-Xylene	9.687	106	136431	45.798	ug/L	95
54) o-Xylene	10.095	106	135397	46.459	ug/L	99
55) Styrene	10.108	104	236471	47.306	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	137554	47.096	ug/L	98
59) Bromoform	10.285	173	67684	46.244	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	106571	43.886	ug/L	99
61) Isopropylbenzene	10.478	105	360134	43.639	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	292994	43.326	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	286284	42.950	ug/L	98
64) 1,3-Dichlorobenzene	11.738	146	174678	43.279	ug/L	98
65) 1,4-Dichlorobenzene	11.828	146	178331	43.384	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	182261	44.744	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	29037	46.870	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	117375	40.132	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	105694	39.862	ug/L	99
71) Naphthalene	14.079	128	326794	42.493	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	111486	42.269	ug/L	100

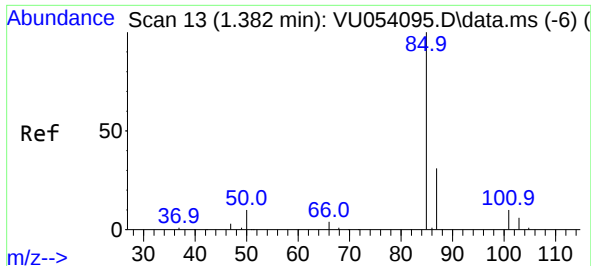
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054112.D
 Acq On : 09 May 2023 04:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

Quant Time: May 09 06:14:35 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

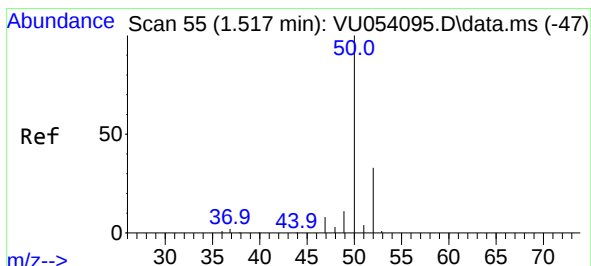
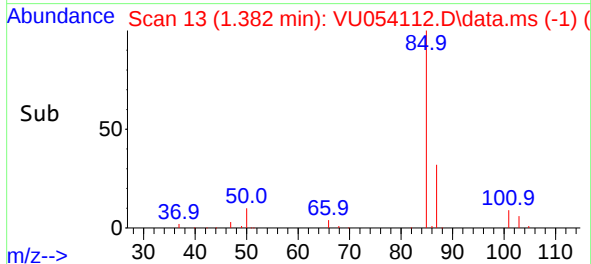
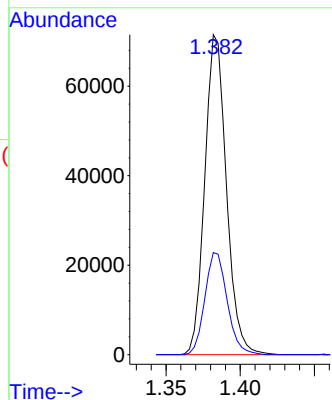
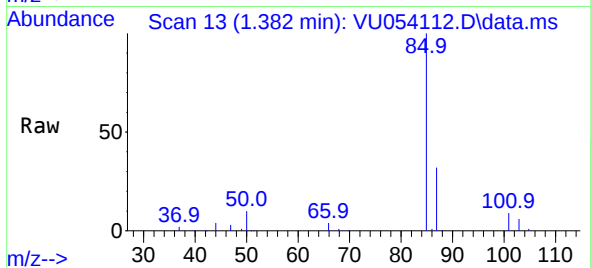




#2
Dichlorodifluoromethane
Concen: 41.642 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

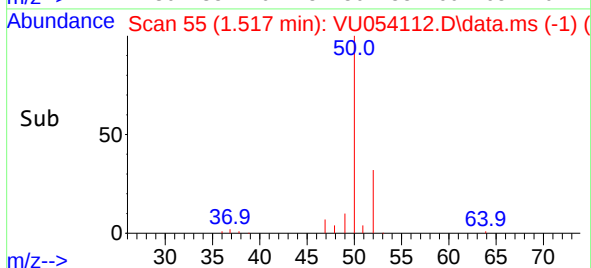
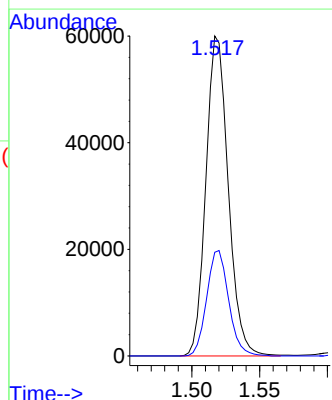
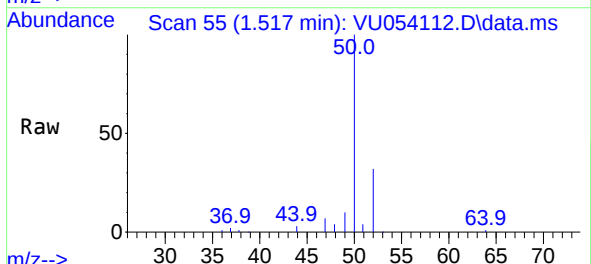
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

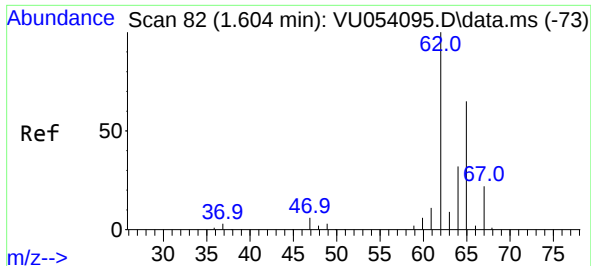
Tgt Ion: 85 Resp: 72533
Ion Ratio Lower Upper
85 100
87 32.9 26.0 39.0



#3
Chloromethane
Concen: 43.013 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 50 Resp: 68856
Ion Ratio Lower Upper
50 100
52 32.4 22.4 41.6

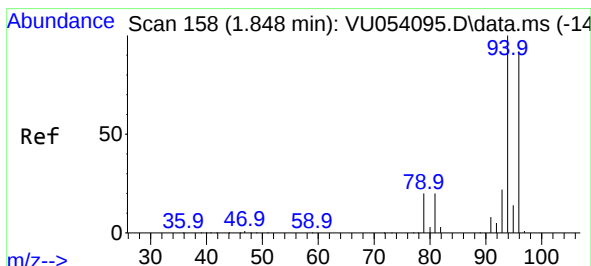
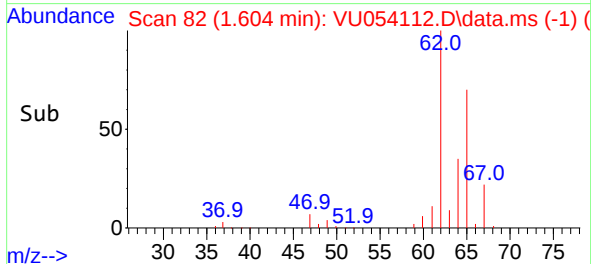
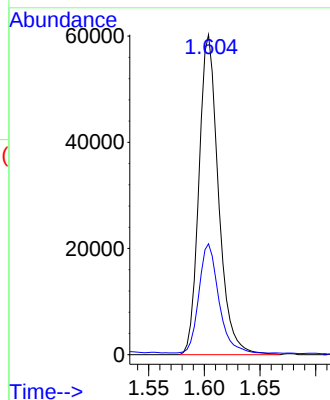
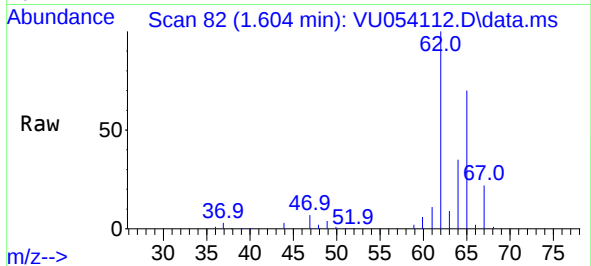




#5
 Vinyl chloride
 Concen: 43.142 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054112.D
 Acq: 09 May 2023 04:10

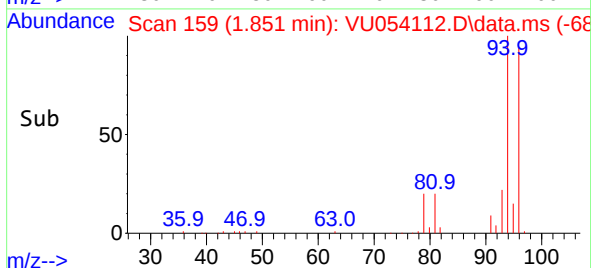
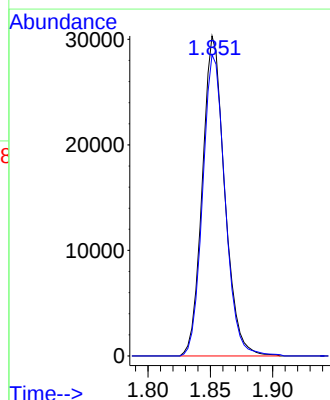
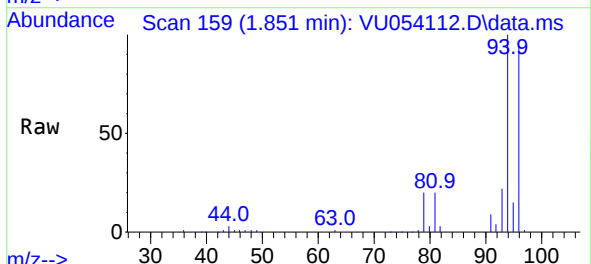
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

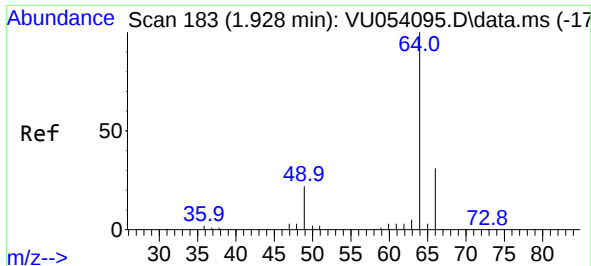
Tgt Ion: 62 Resp: 73455
 Ion Ratio Lower Upper
 62 100
 64 34.7 24.1 44.7



#6
 Bromomethane
 Concen: 39.732 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.006 min
 Lab File: VU054112.D
 Acq: 09 May 2023 04:10

Tgt Ion: 94 Resp: 37711
 Ion Ratio Lower Upper
 94 100
 96 94.2 63.9 118.7

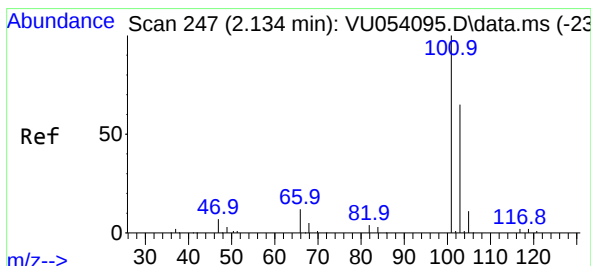
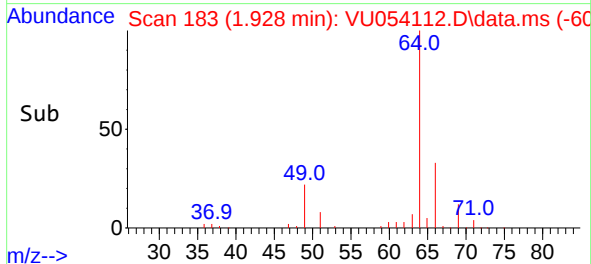
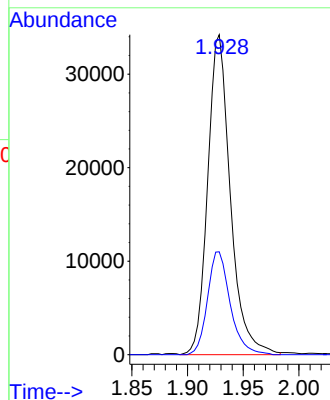
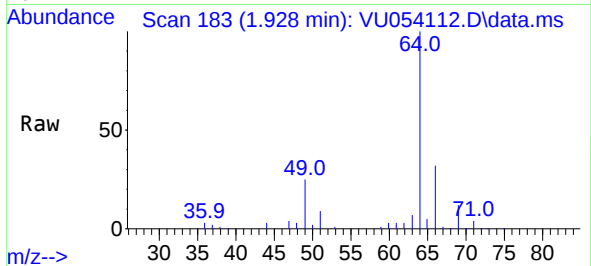




#8
Chloroethane
Concen: 52.250 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

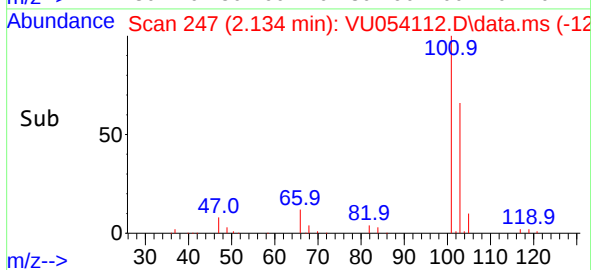
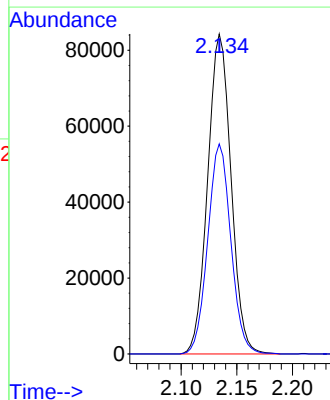
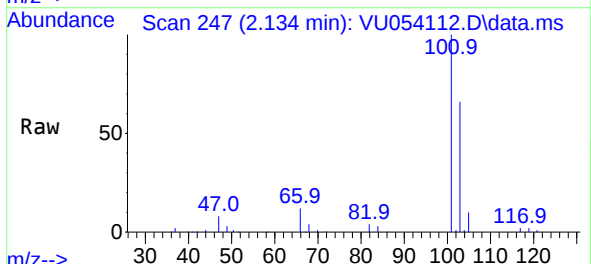
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

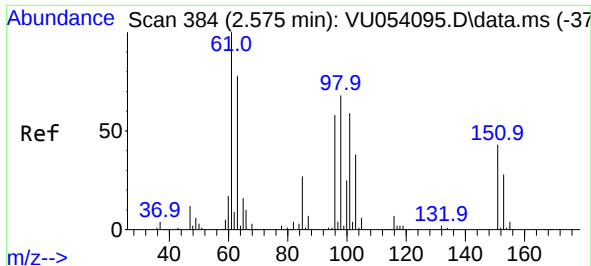
Tgt Ion: 64 Resp: 48479
Ion Ratio Lower Upper
64 100
66 32.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 45.579 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:101 Resp: 123149
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.4

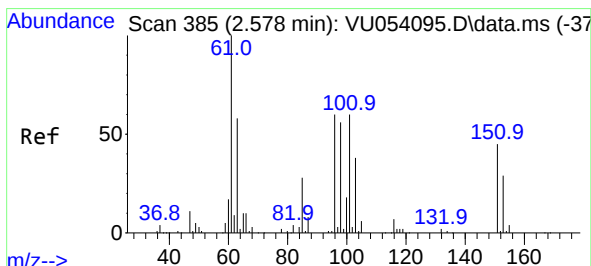
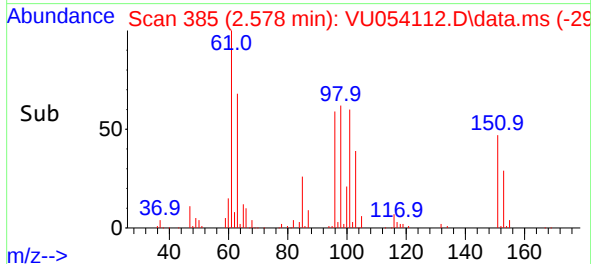
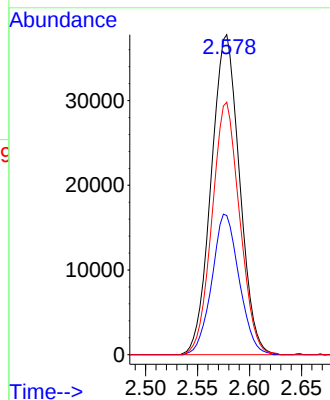
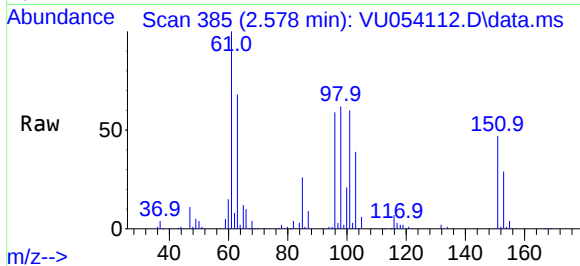




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.341 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

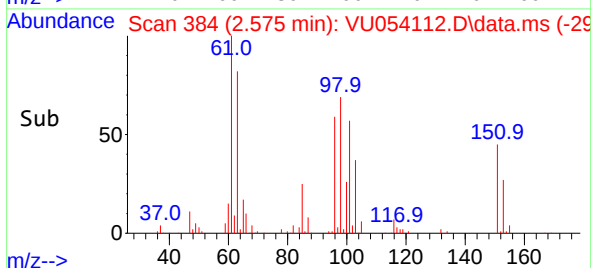
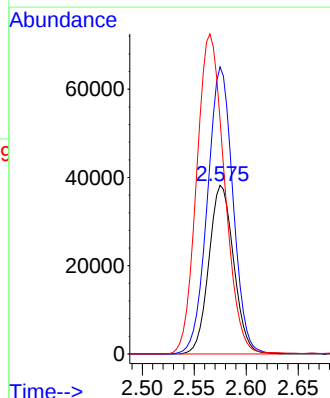
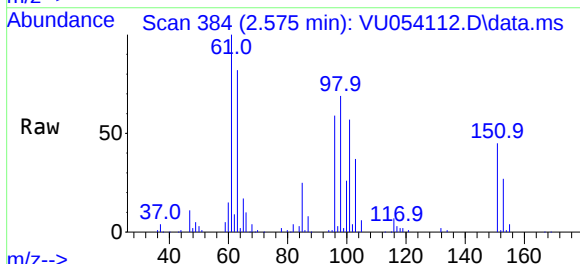
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

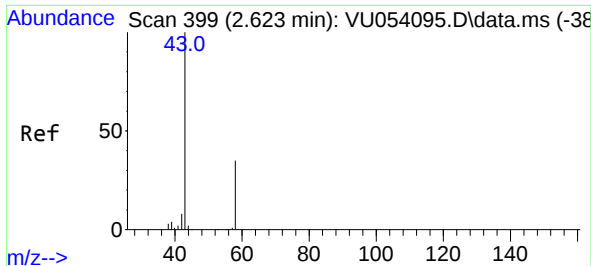
Tgt Ion:101 Resp: 71651
Ion Ratio Lower Upper
101 100
85 42.2 34.3 51.5
151 77.1 60.3 90.5



#12
1,1-Dichloroethene
Concen: 45.331 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 96 Resp: 63480
Ion Ratio Lower Upper
96 100
61 170.2 118.3 219.7
63 139.1 92.3 171.5





#13

Acetone

Concen: 65.138 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.006 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

Instrument :

MSVOA_U

ClientSampleId :

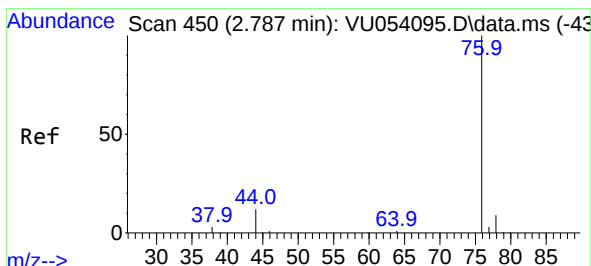
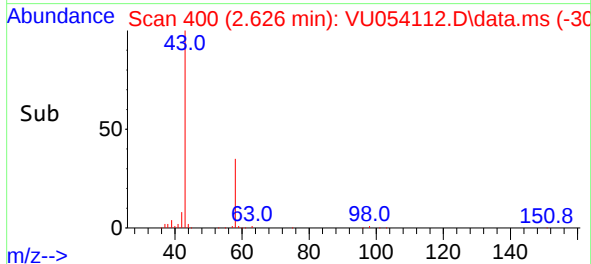
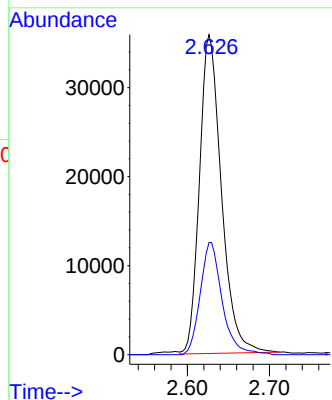
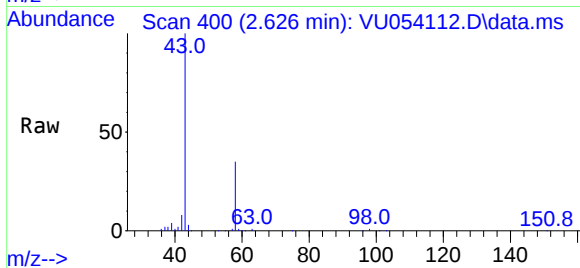
VSTD050095

Tgt Ion: 43 Resp: 66579

Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.4



#14

Carbon disulfide

Concen: 42.577 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054112.D

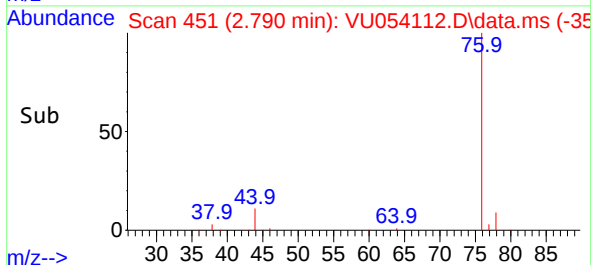
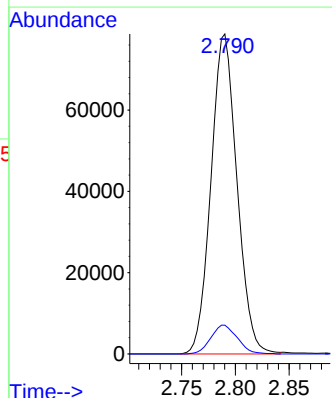
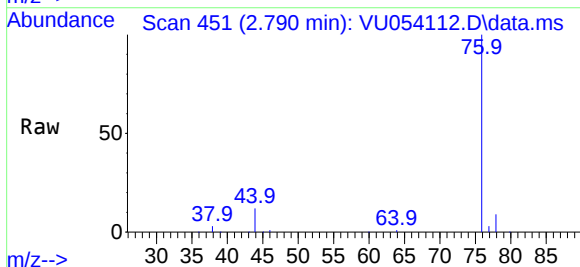
Acq: 09 May 2023 04:10

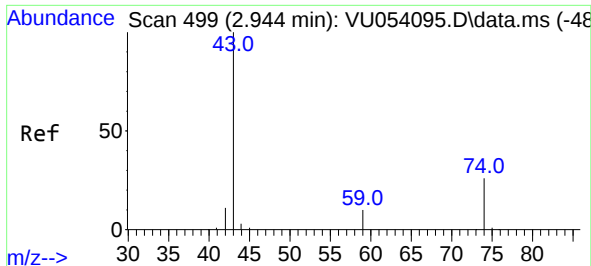
Tgt Ion: 76 Resp: 132335

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

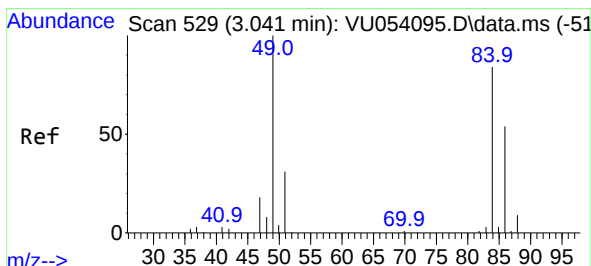
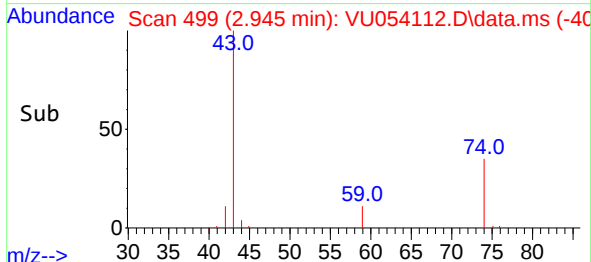
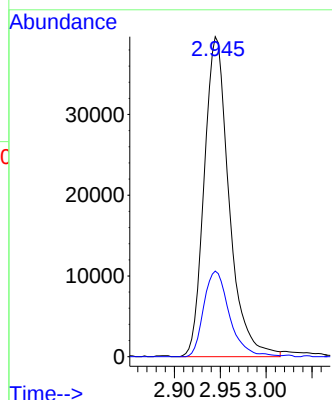
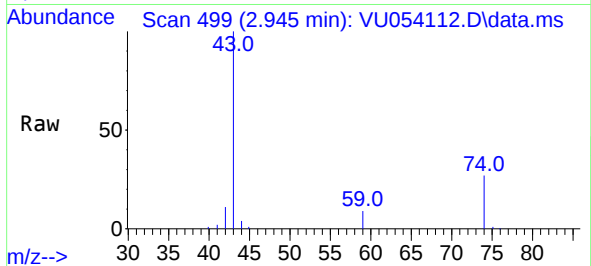




#15
Methyl Acetate
Concen: 46.734 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

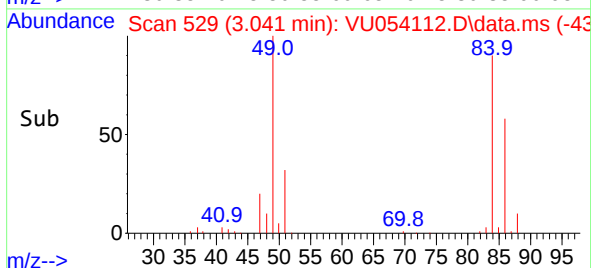
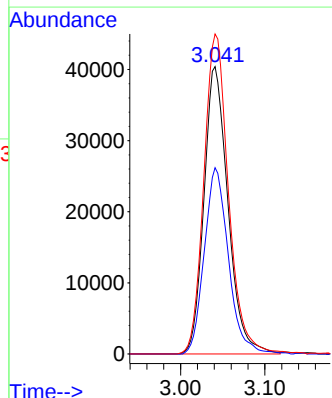
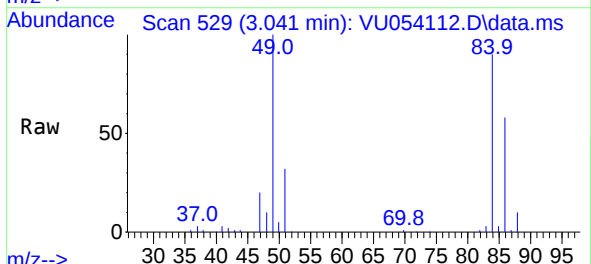
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

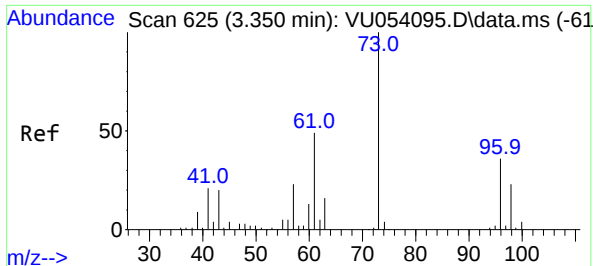
Tgt Ion: 43 Resp: 74808
Ion Ratio Lower Upper
43 100
74 27.2 21.2 31.8



#16
Methylene chloride
Concen: 45.484 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 84 Resp: 80331
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.2
49 111.4 83.0 154.2

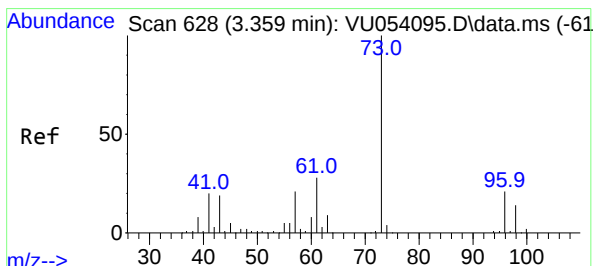
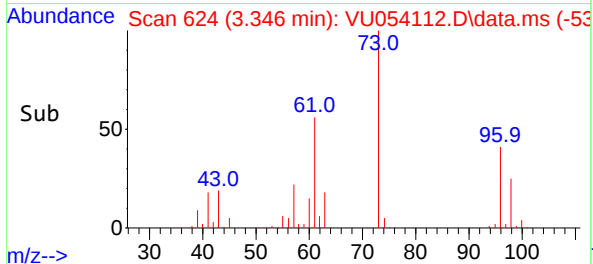
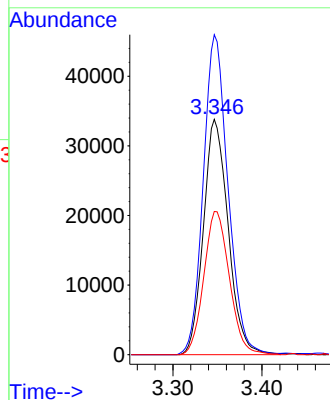
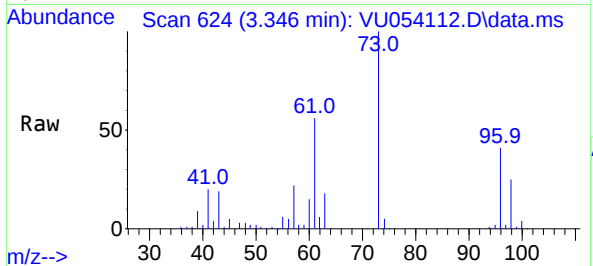




#17
trans-1,2-Dichloroethene
Concen: 45.670 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

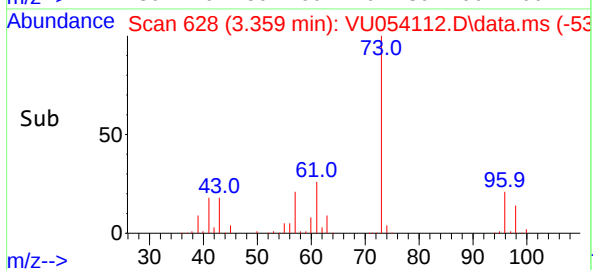
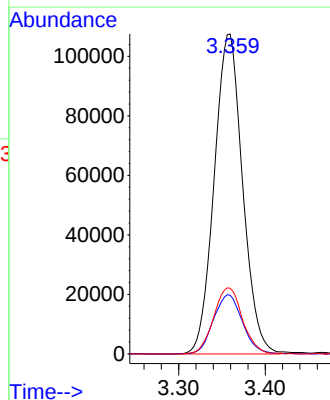
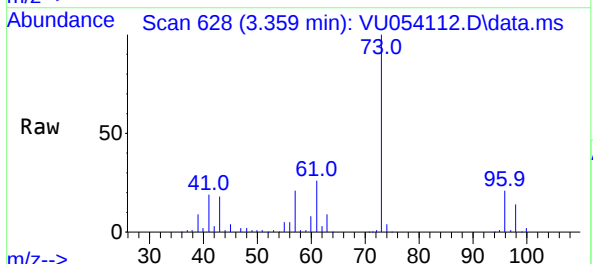
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

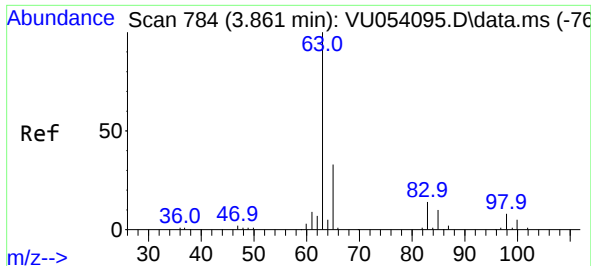
Tgt Ion: 96 Resp: 65397
Ion Ratio Lower Upper
96 100
61 135.9 97.5 181.1
98 60.9 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 46.445 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 73 Resp: 244503
Ion Ratio Lower Upper
73 100
43 18.8 15.4 23.0
57 21.0 18.0 27.0

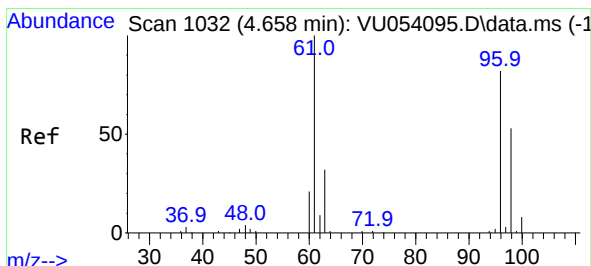
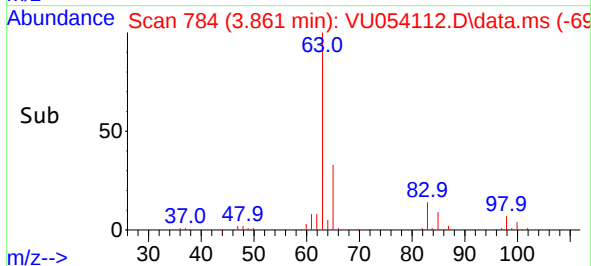
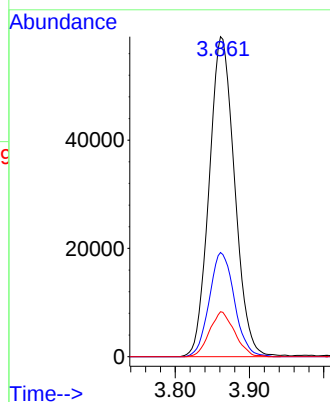
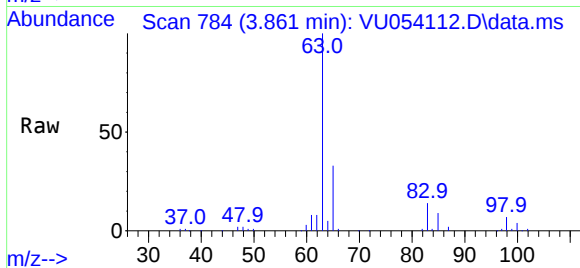




#19
1,1-Dichloroethane
Concen: 45.779 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

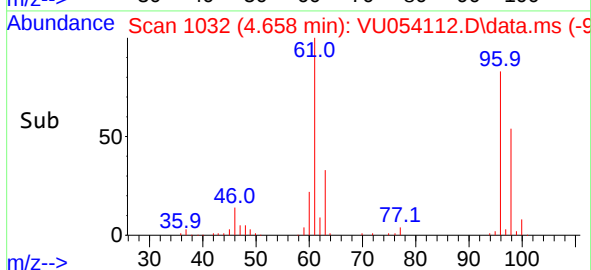
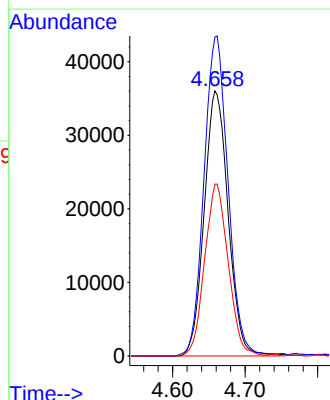
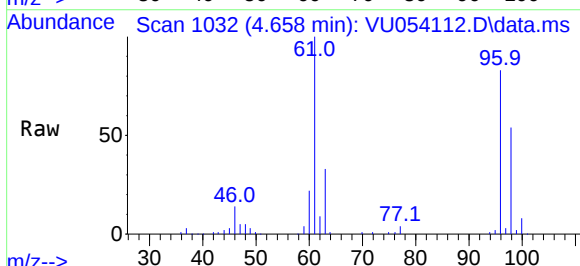
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

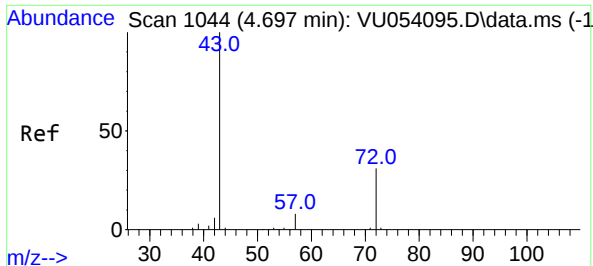
Tgt Ion: 63 Resp: 140746
Ion Ratio Lower Upper
63 100
65 32.6 22.0 40.8
83 14.1 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 46.992 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 96 Resp: 82690
Ion Ratio Lower Upper
96 100
61 120.3 90.9 168.9
98 64.8 45.7 84.9

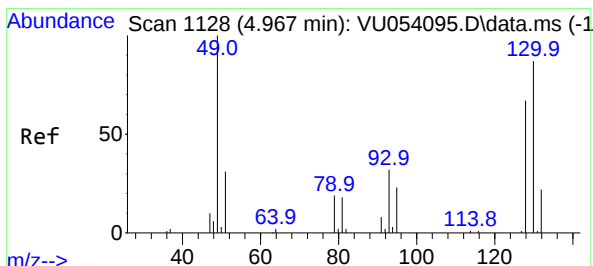
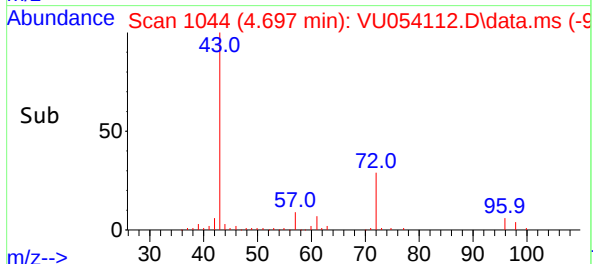
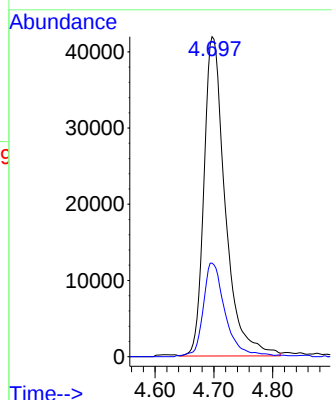
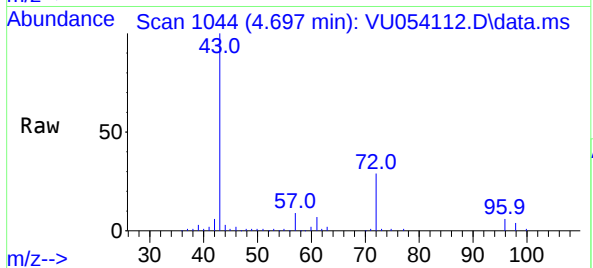




#22
2-Butanone
Concen: 87.335 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

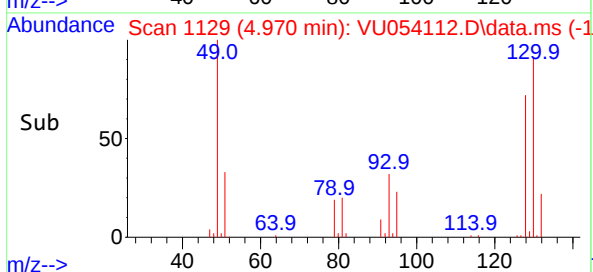
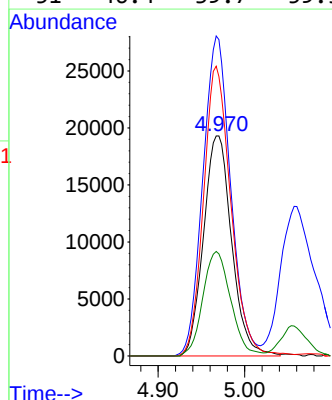
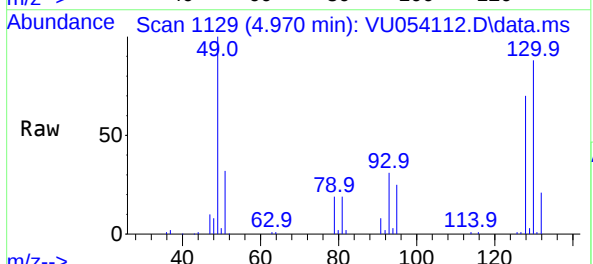
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

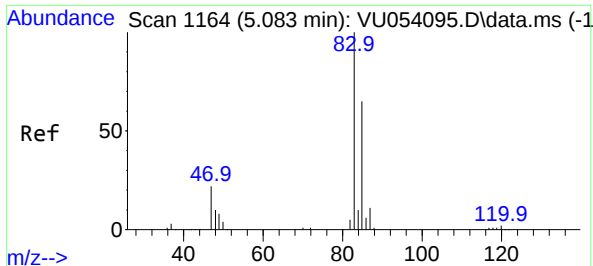
Tgt Ion: 43 Resp: 105391
Ion Ratio Lower Upper
43 100
72 28.6 14.0 41.9



#23
Bromochloromethane
Concen: 47.748 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:128 Resp: 43560
Ion Ratio Lower Upper
128 100
49 143.8 107.5 199.7
130 127.0 91.0 169.0
51 46.4 39.7 59.5

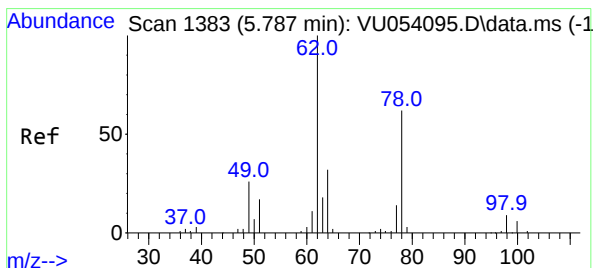
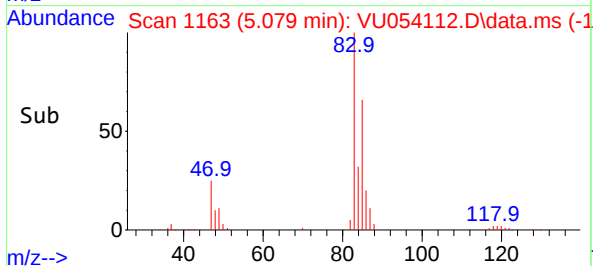
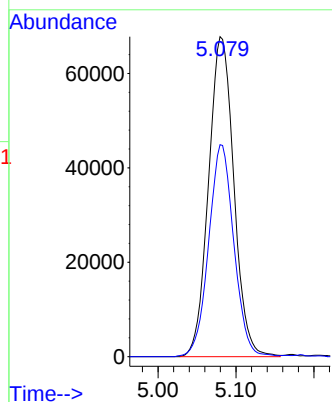
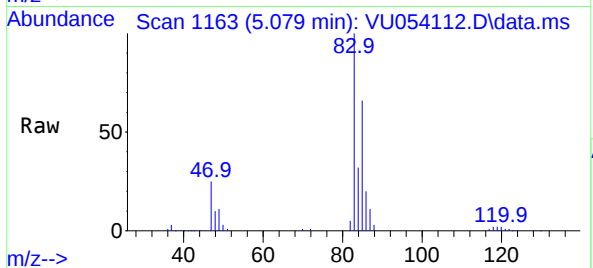




#25
Chloroform
Concen: 47.123 ug/L
RT: 5.079 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

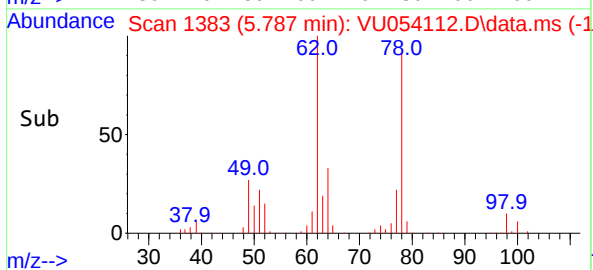
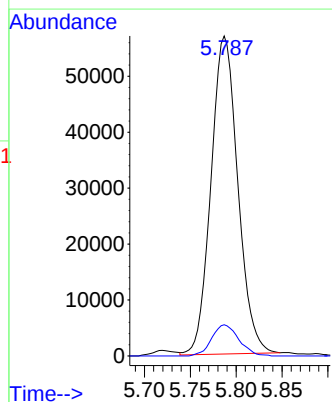
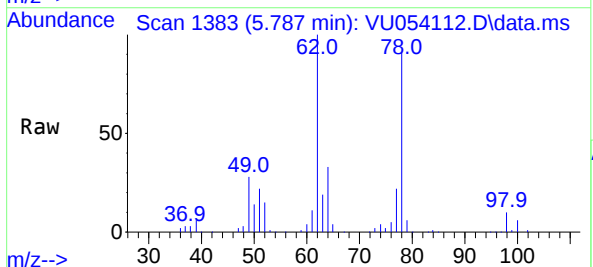
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

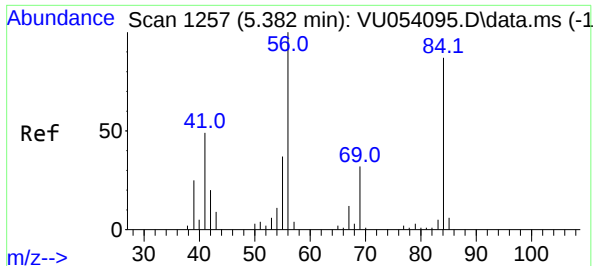
Tgt Ion: 83 Resp: 152885
Ion Ratio Lower Upper
83 100
85 66.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 46.343 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 62 Resp: 115649
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0

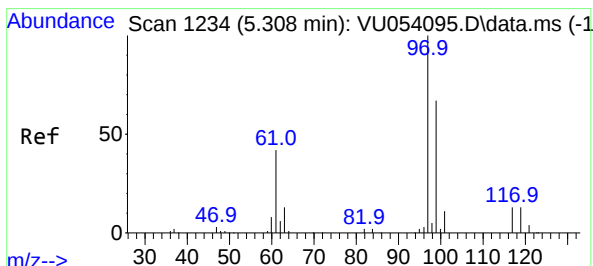
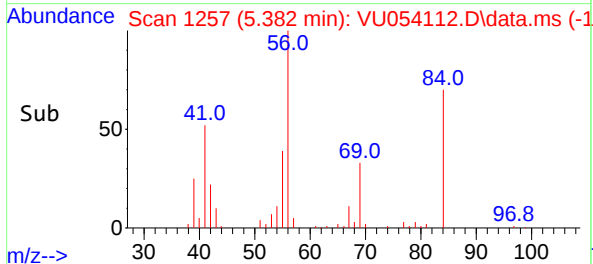
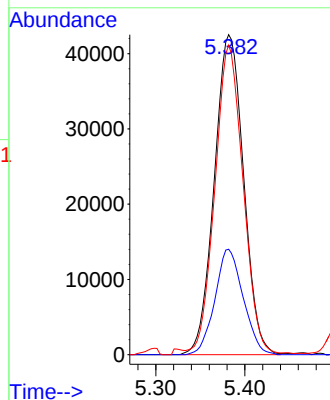
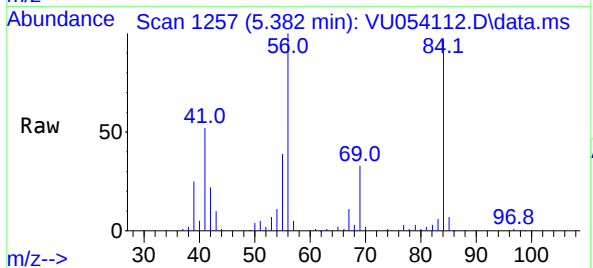




#29
Cyclohexane
Concen: 40.385 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

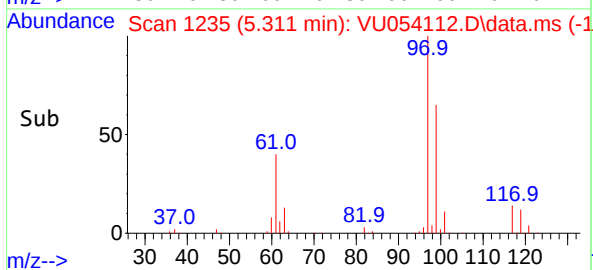
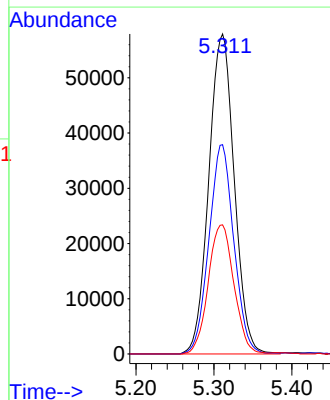
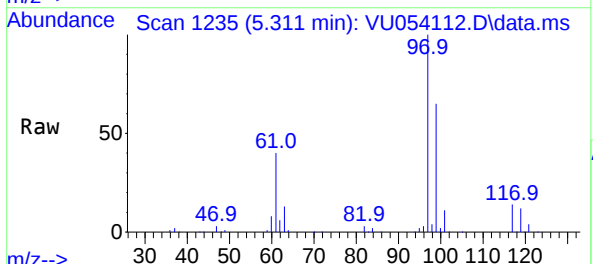
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

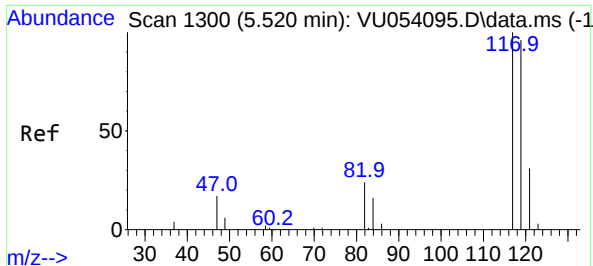
Tgt Ion:	56	Resp:	97091
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.8	38.6
84	92.7	73.6	110.4



#30
1,1,1-Trichloroethane
Concen: 45.356 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:	97	Resp:	131507
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	40.7	34.2	51.4

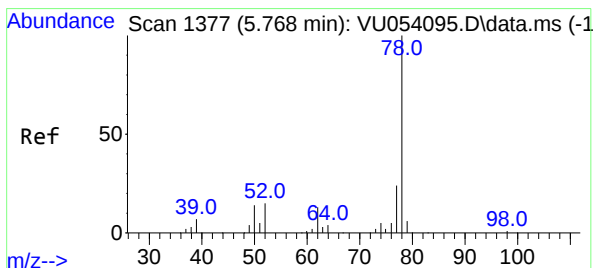
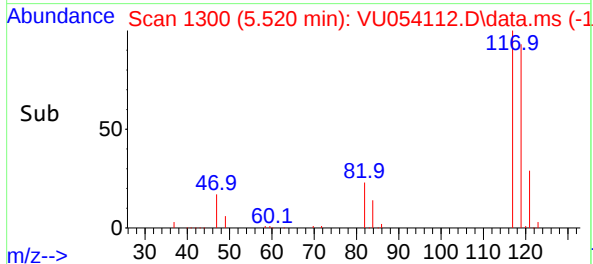
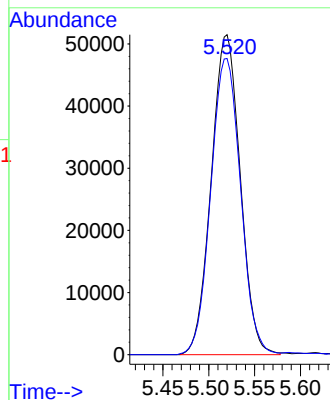
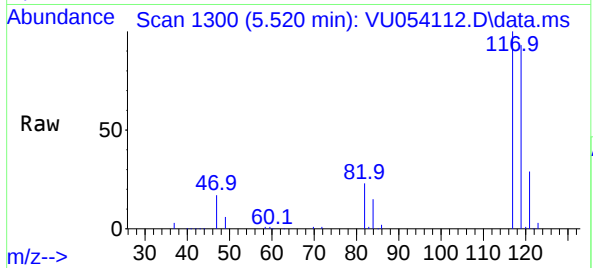




#31
Carbon tetrachloride
Concen: 45.784 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

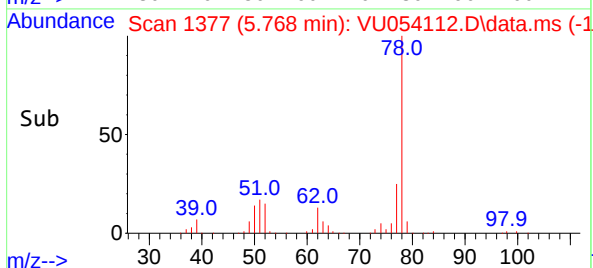
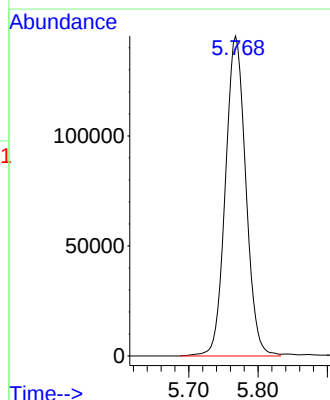
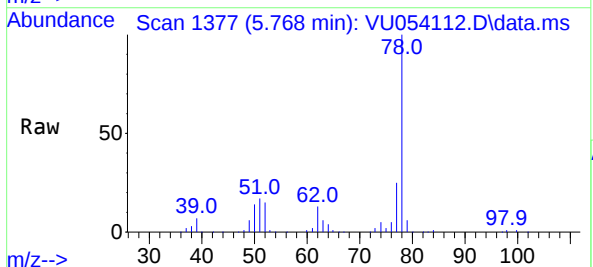
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

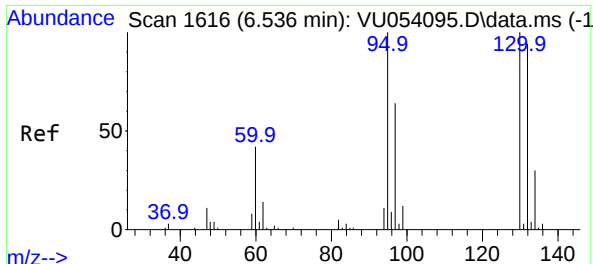
Tgt Ion:117 Resp: 113252
Ion Ratio Lower Upper
117 100
119 95.0 77.8 116.6



#33
Benzene
Concen: 43.976 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 78 Resp: 297754



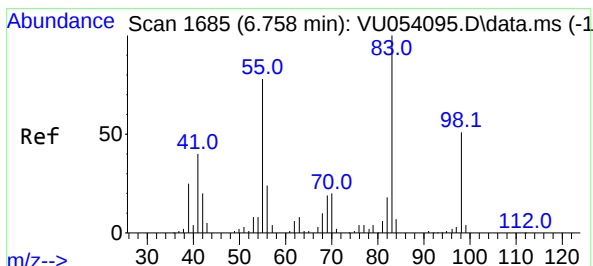
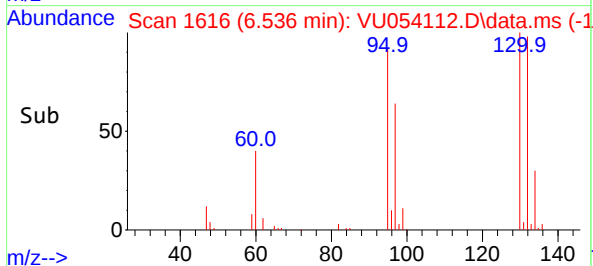
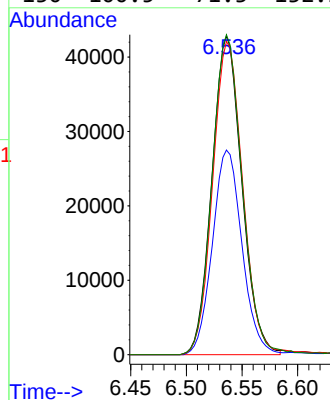
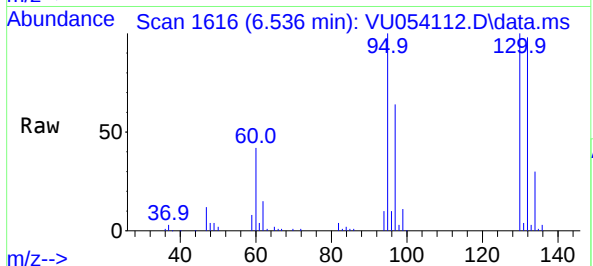


#34
Trichloroethene
Concen: 44.470 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

Tgt Ion: 95 Resp: 79915

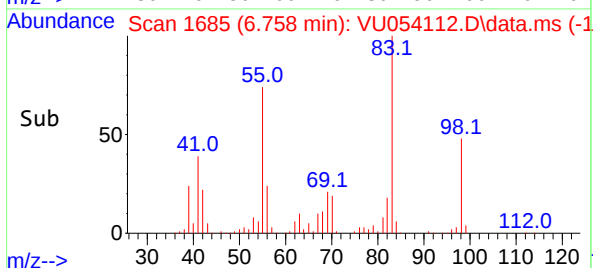
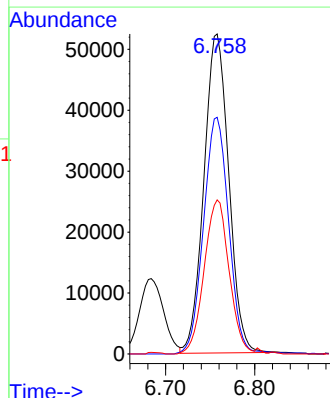
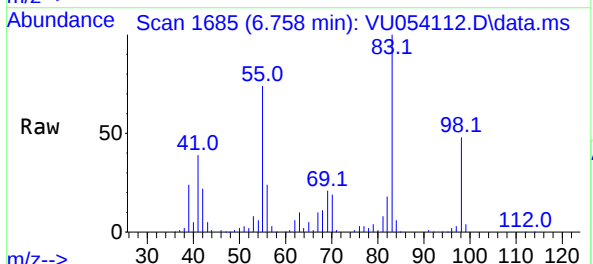
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.5	86.3
132	98.3	67.8	126.0
130	100.5	71.3	132.3

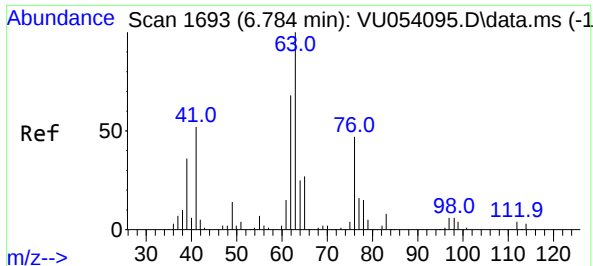


#35
Methylcyclohexane
Concen: 40.278 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 83 Resp: 101514

Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.8	92.6
98	48.4	38.4	57.6

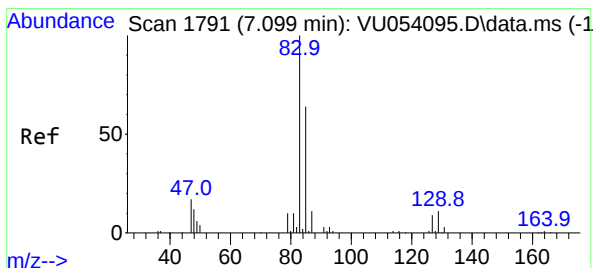
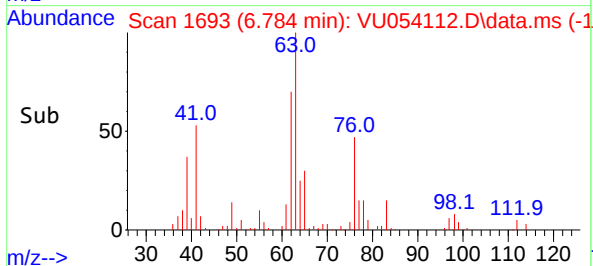
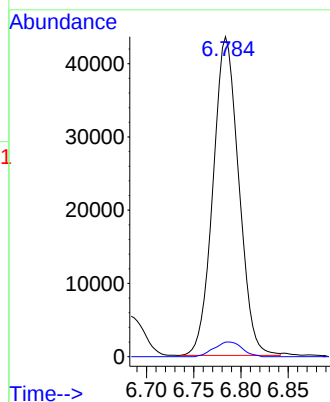
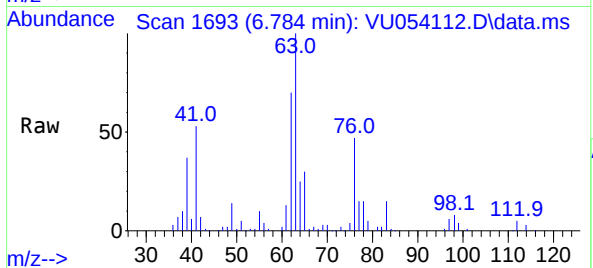




#37
1,2-Dichloropropane
Concen: 43.025 ug/L
RT: 6.784 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

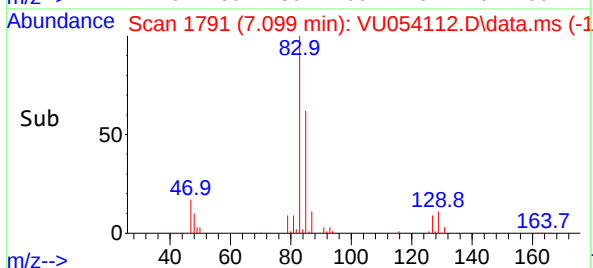
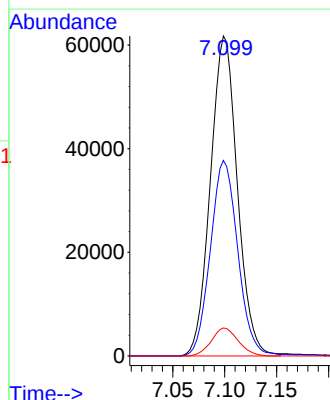
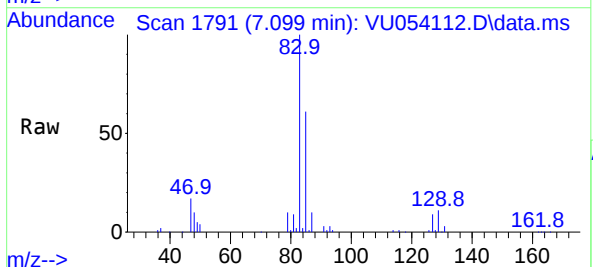
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

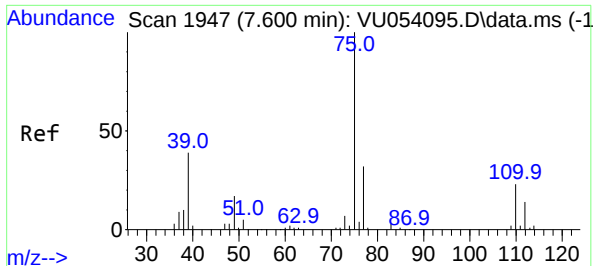
Tgt Ion: 63 Resp: 82417
Ion Ratio Lower Upper
63 100
112 5.0 3.4 5.0



#38
Bromodichloromethane
Concen: 46.194 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 83 Resp: 111483
Ion Ratio Lower Upper
83 100
85 61.1 45.0 83.6
127 8.7 7.1 10.7

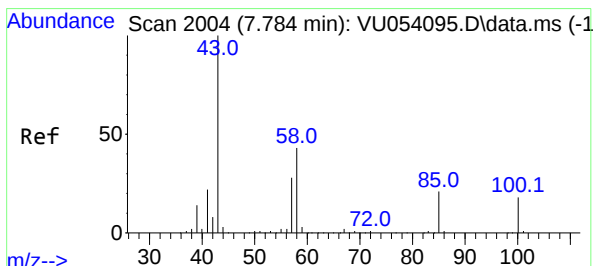
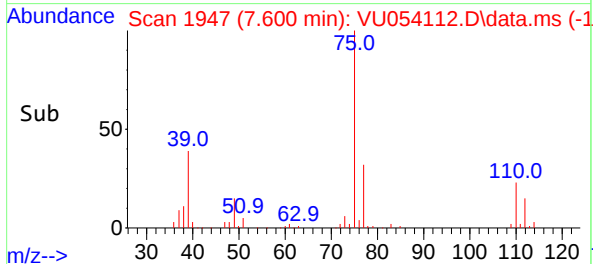
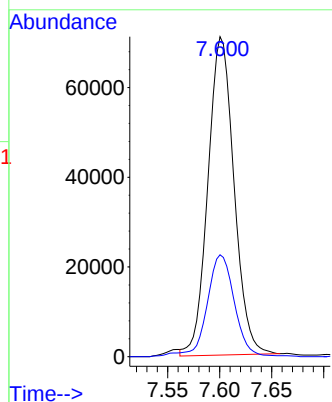
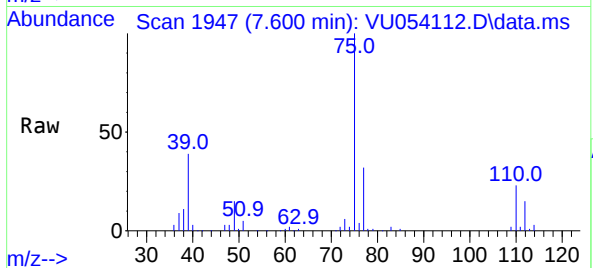




#39
 cis-1,3-Dichloropropene
 Concen: 41.327 ug/L
 RT: 7.600 min Scan# 1947
 Delta R.T. -0.003 min
 Lab File: VU054112.D
 Acq: 09 May 2023 04:10

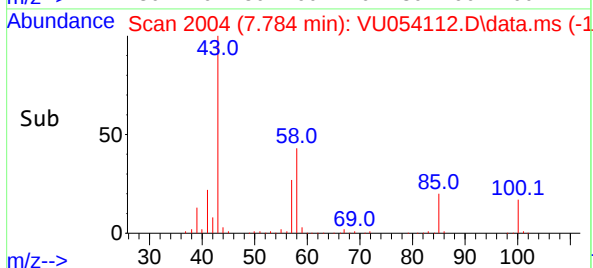
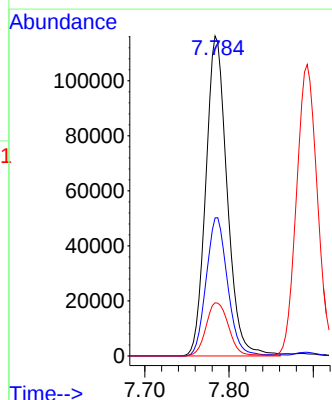
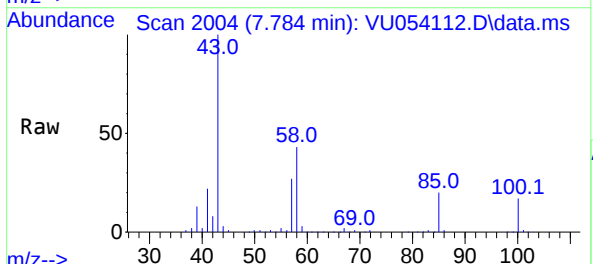
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

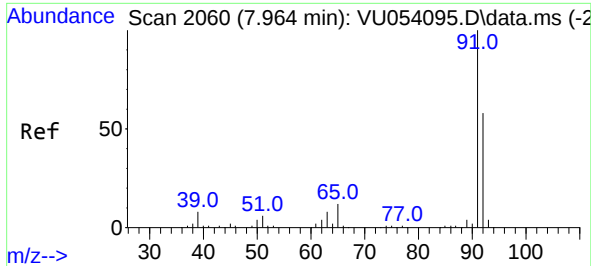
Tgt Ion: 75 Resp: 123841
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 91.825 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. -0.003 min
 Lab File: VU054112.D
 Acq: 09 May 2023 04:10

Tgt Ion: 43 Resp: 204984
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.5 51.7
 100 17.6 13.8 20.6





#42

Toluene

Concen: 44.898 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

Instrument :

MSVOA_U

ClientSampleId :

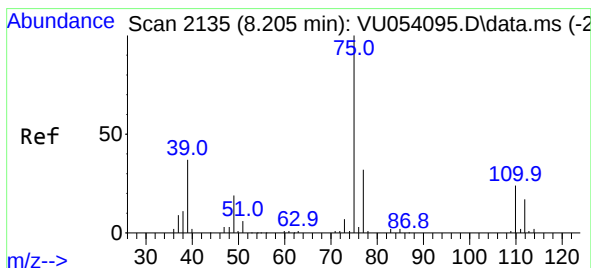
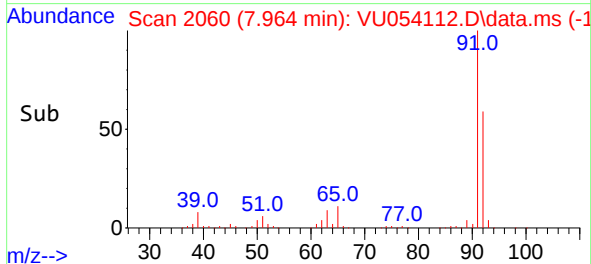
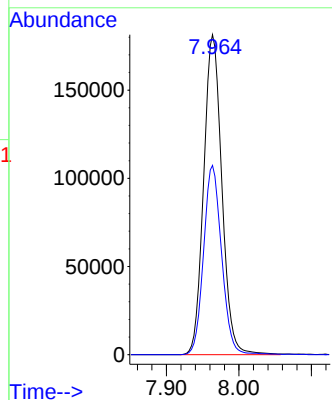
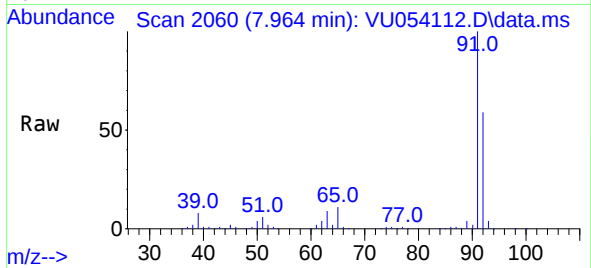
VSTD050095

Tgt Ion: 91 Resp: 316470

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 43.289 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054112.D

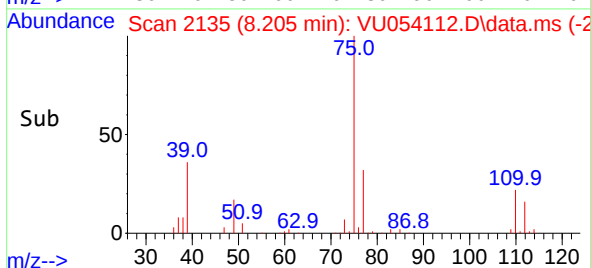
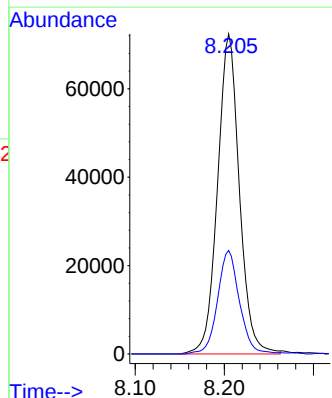
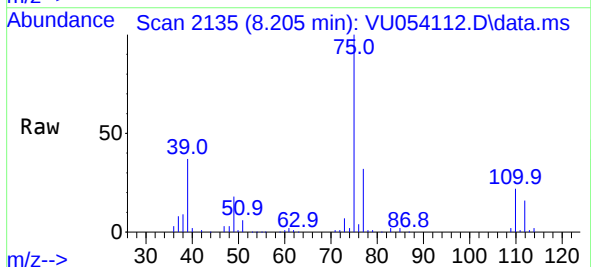
Acq: 09 May 2023 04:10

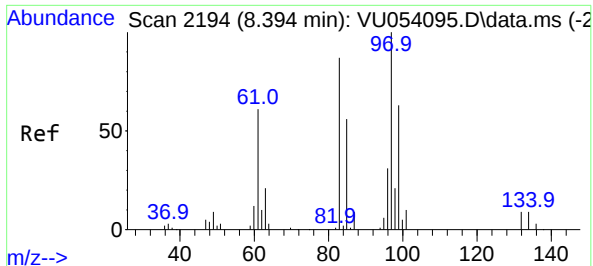
Tgt Ion: 75 Resp: 123281

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7

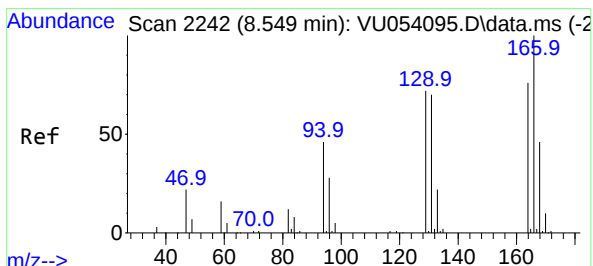
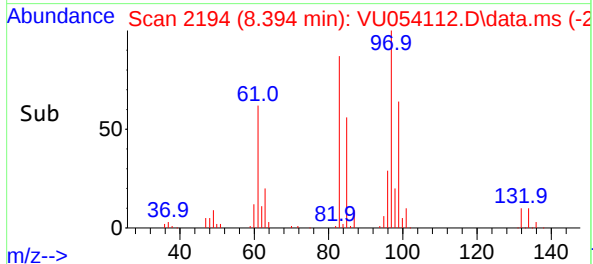
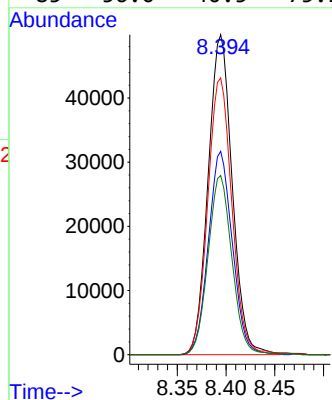
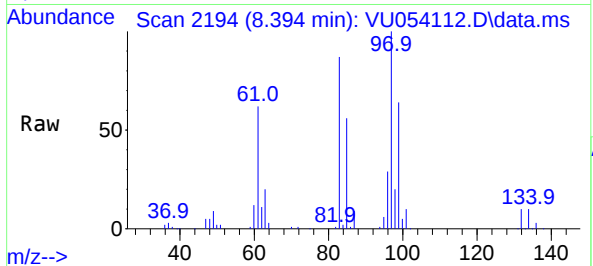




#45
1,1,2-Trichloroethane
Concen: 46.341 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

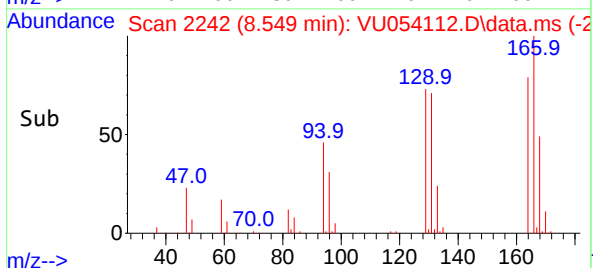
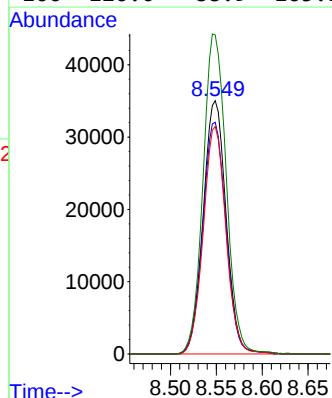
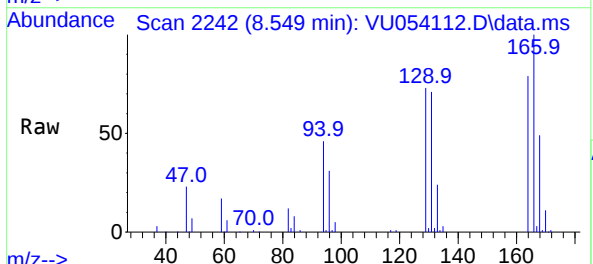
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

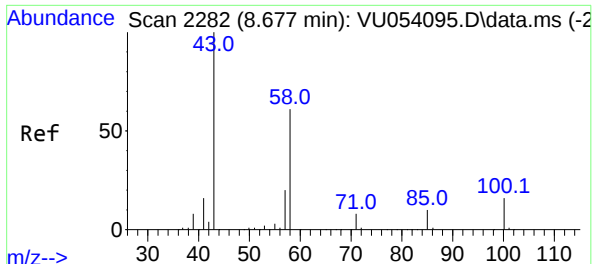
Tgt Ion:	97	Resp:	85922
Ion	Ratio	Lower	Upper
97	100		
99	63.5	46.2	85.8
83	86.5	62.7	116.5
85	56.0	40.5	75.1



#46
Tetrachloroethene
Concen: 42.969 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:	164	Resp:	61259
Ion	Ratio	Lower	Upper
164	100		
129	91.5	65.6	121.8
131	89.8	63.8	118.4
166	126.0	88.9	165.1



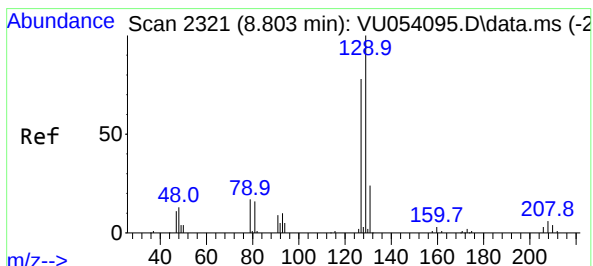
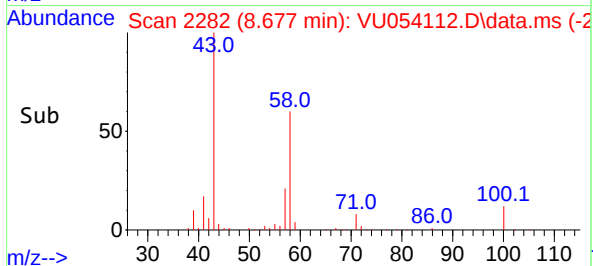
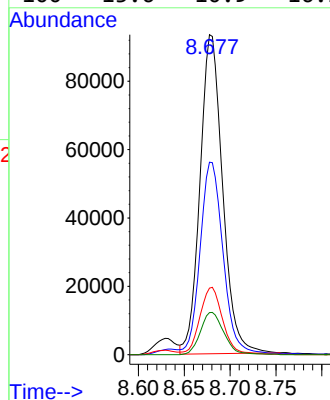
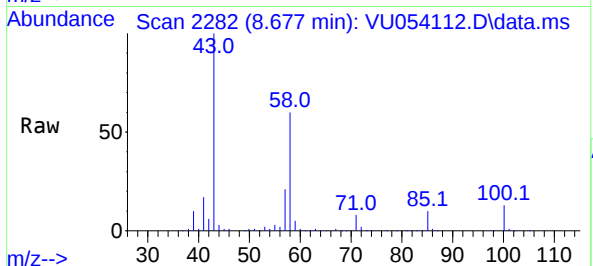


#48
2-Hexanone
Concen: 90.454 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

Tgt Ion: 43 Resp: 160025

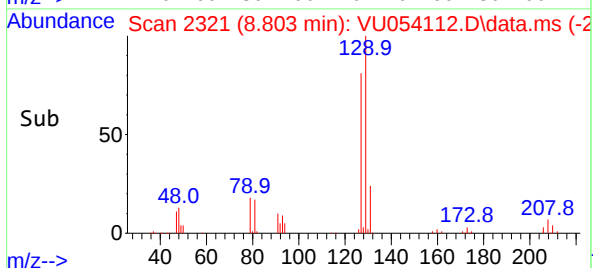
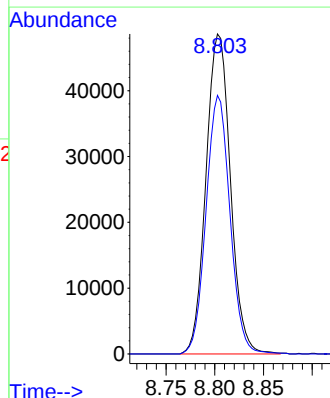
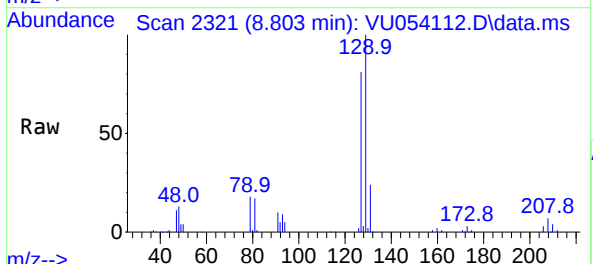
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.5	72.7
57	21.5	16.5	24.7
100	13.6	10.9	16.3

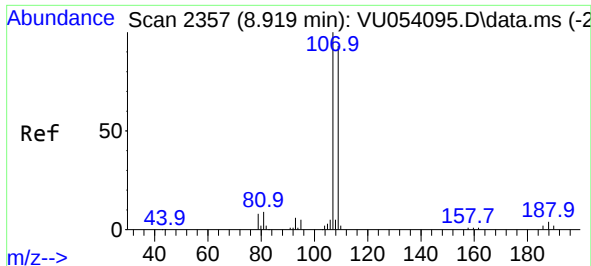


#49
Dibromochloromethane
Concen: 46.455 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 129 Resp: 84875

Ion	Ratio	Lower	Upper
129	100		
127	80.8	52.9	98.3

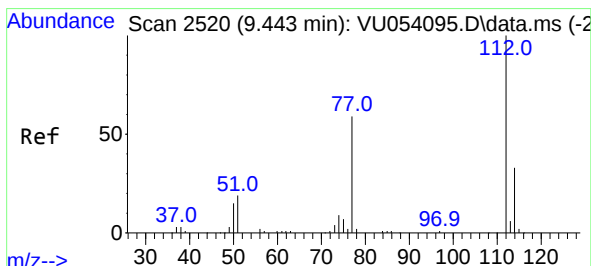
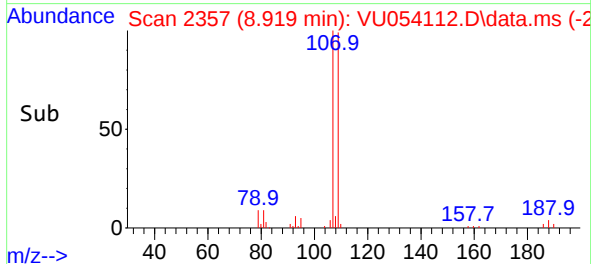
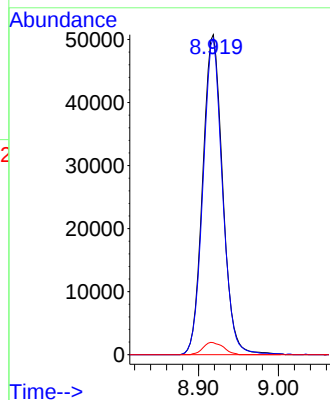
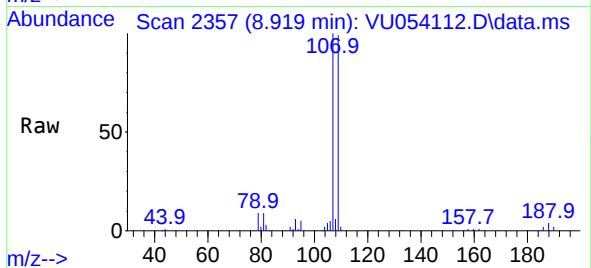




#50
1,2-Dibromoethane
Concen: 46.799 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

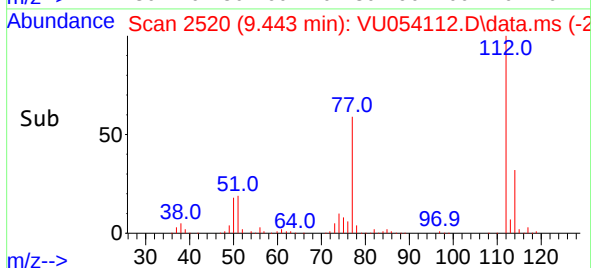
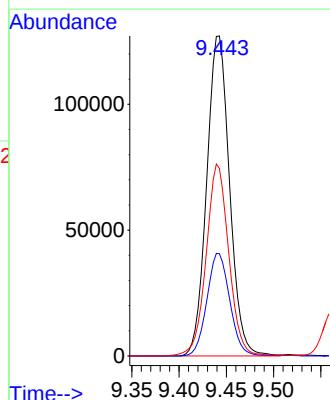
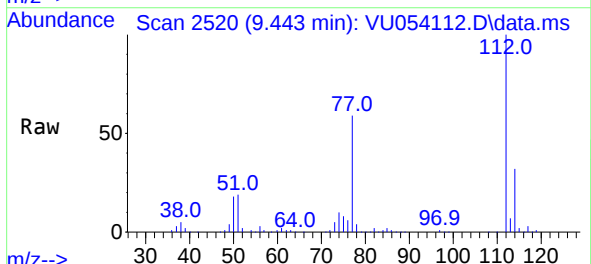
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

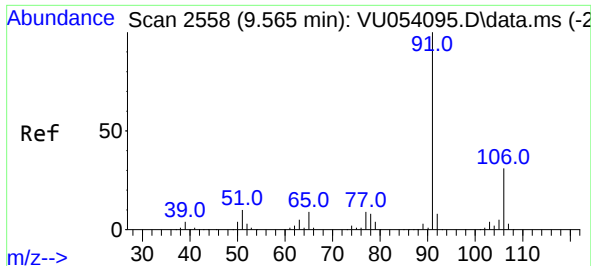
Tgt Ion:107 Resp: 88072
Ion Ratio Lower Upper
107 100
109 98.8 66.1 122.8
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 45.456 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:112 Resp: 214304
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 58.7 47.0 70.4

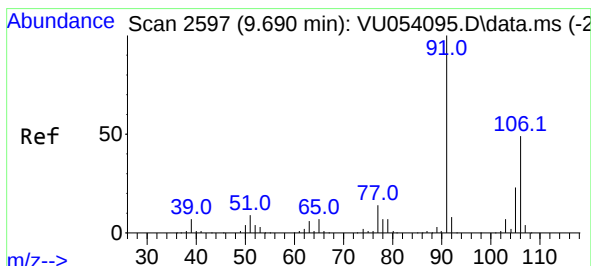
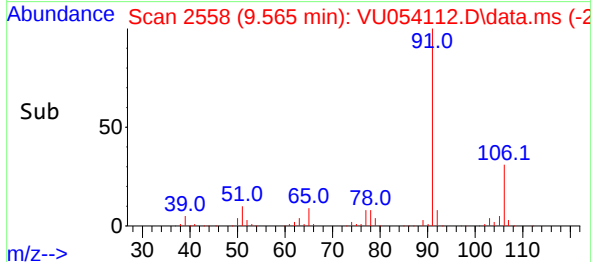
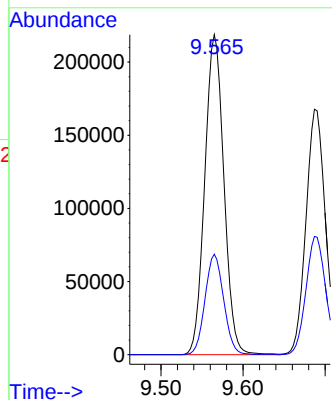
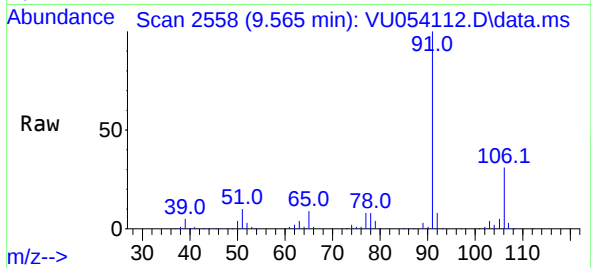




#52
Ethylbenzene
Concen: 44.706 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

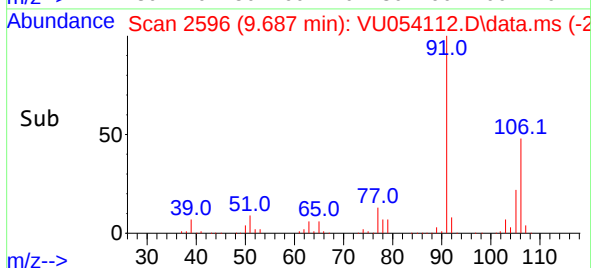
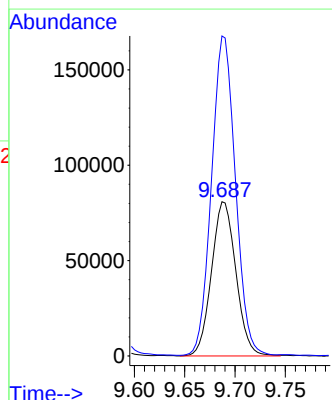
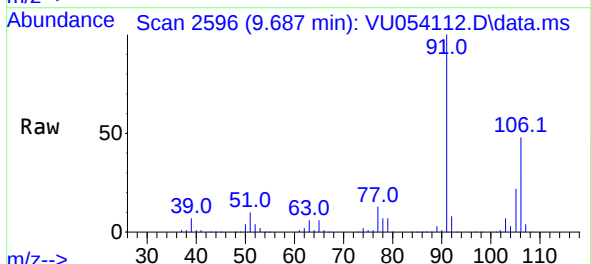
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

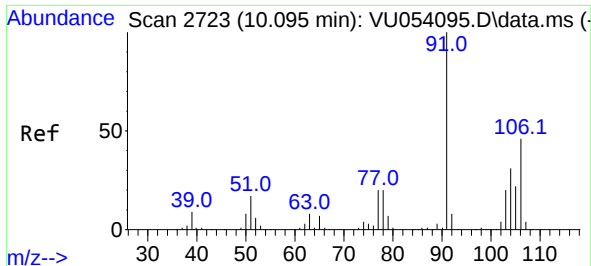
Tgt Ion: 91 Resp: 354663
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.6



#53
m,p-Xylene
Concen: 45.798 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 106 Resp: 136431
Ion Ratio Lower Upper
106 100
91 207.6 140.5 260.9

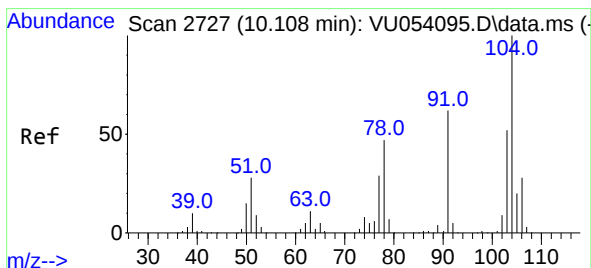
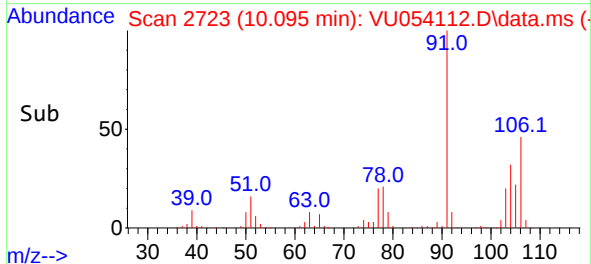
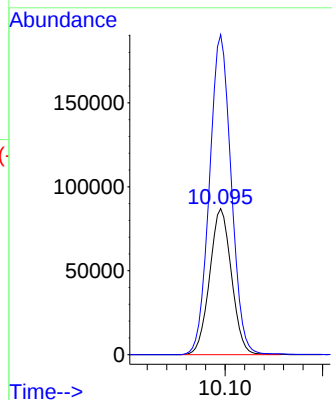
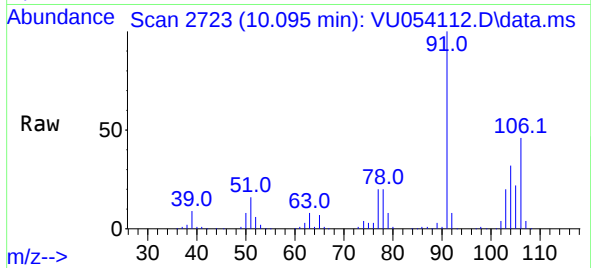




#54
o-Xylene
Concen: 46.459 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

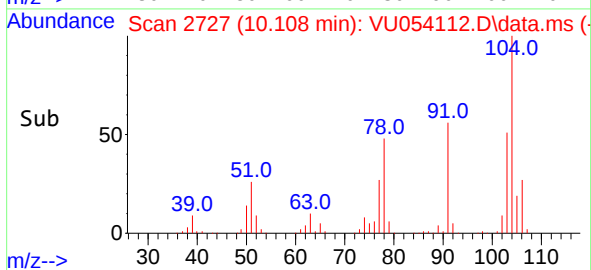
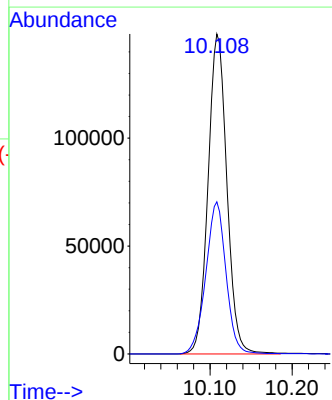
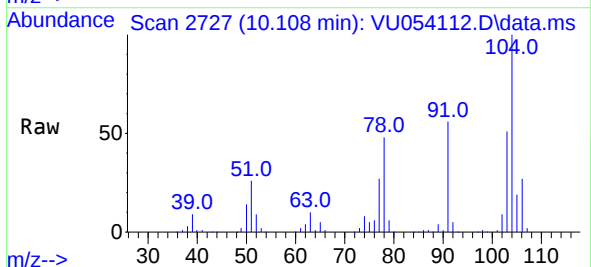
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

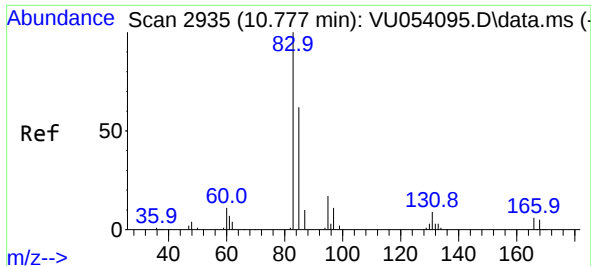
Tgt Ion:106 Resp: 135397
Ion Ratio Lower Upper
106 100
91 219.0 154.9 287.7



#55
Styrene
Concen: 47.306 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:104 Resp: 236471
Ion Ratio Lower Upper
104 100
78 47.5 33.2 61.7

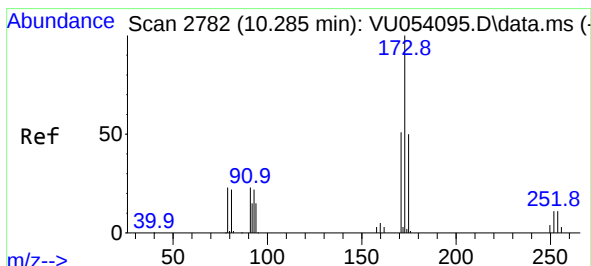
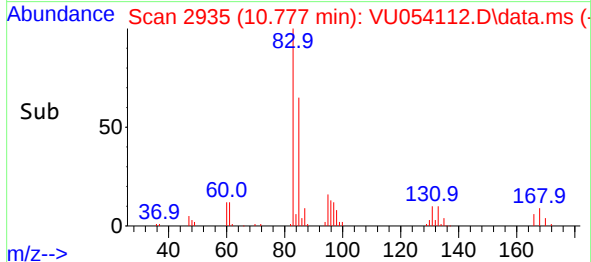
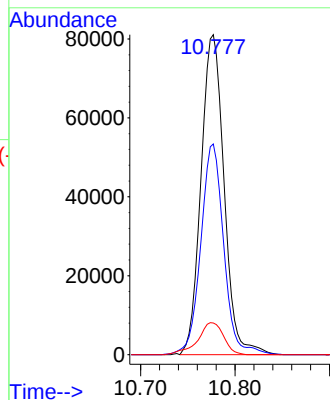
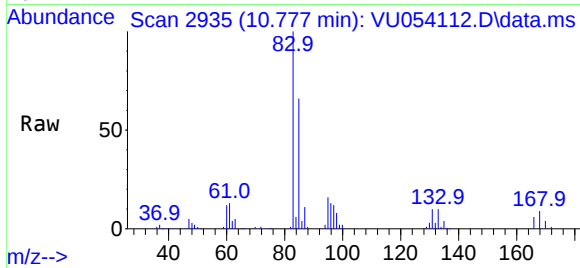




#57
1,1,2,2-Tetrachloroethane
Concen: 47.096 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

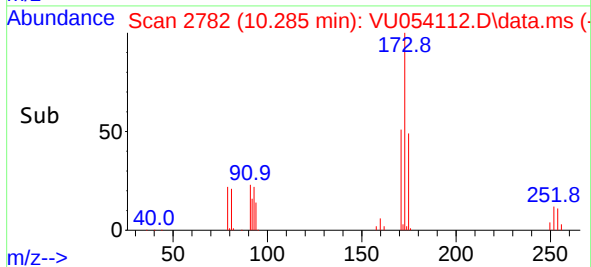
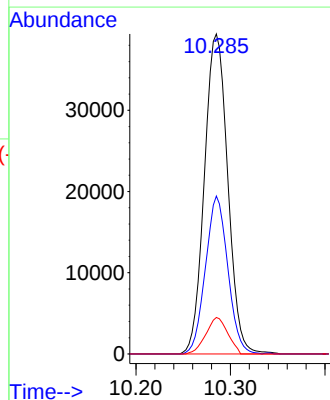
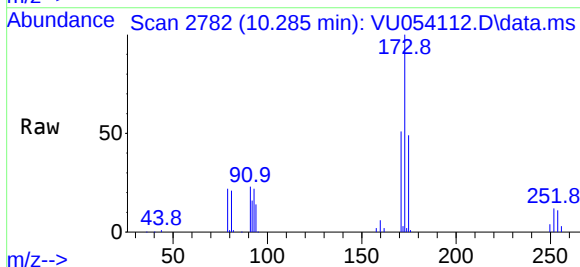
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

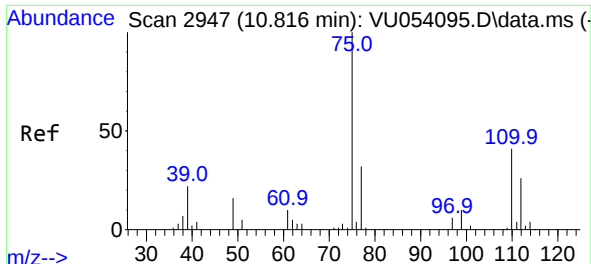
Tgt Ion: 83 Resp: 137554
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9
131 9.9 8.2 12.2



#59
Bromoform
Concen: 46.244 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:173 Resp: 67684
Ion Ratio Lower Upper
173 100
175 47.1 38.9 58.3
254 10.6 8.5 12.7



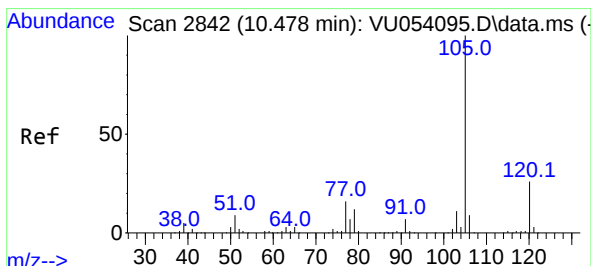
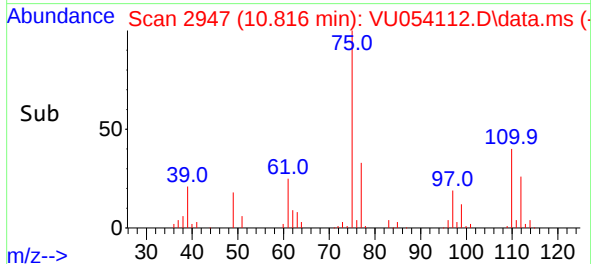
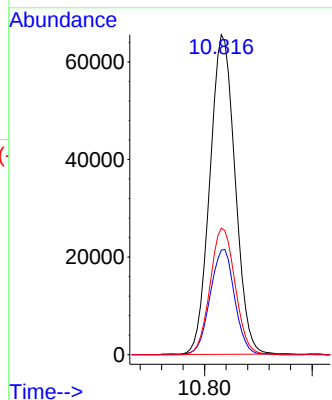
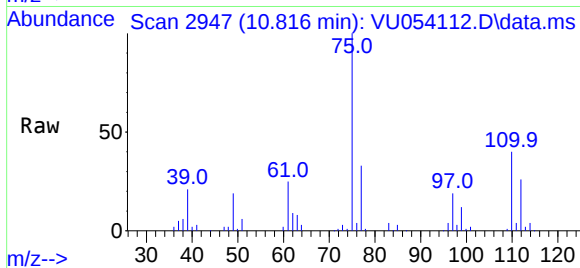


#60
1,2,3-Trichloropropane
Concen: 43.886 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

Tgt Ion: 75 Resp: 106571

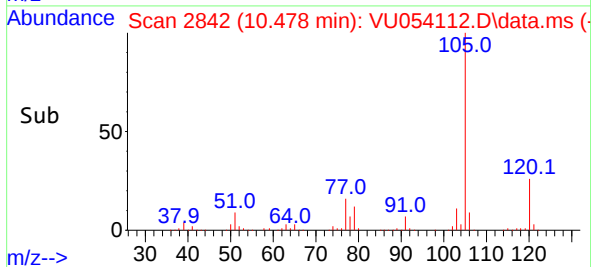
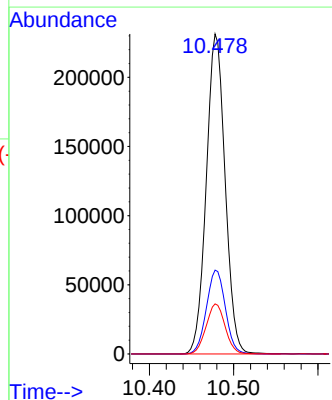
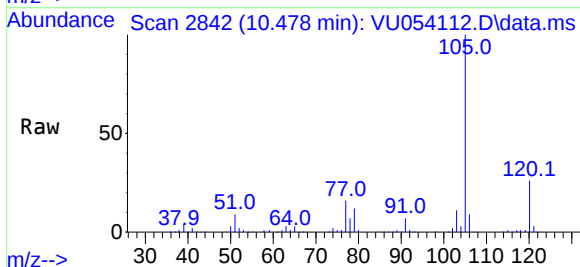
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
110	39.4	31.8	47.8

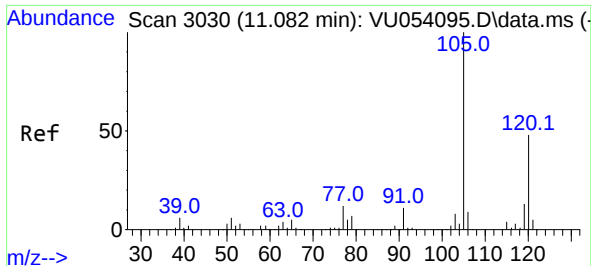


#61
Isopropylbenzene
Concen: 43.639 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion: 105 Resp: 360134

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.3	31.9
77	15.8	12.7	19.1

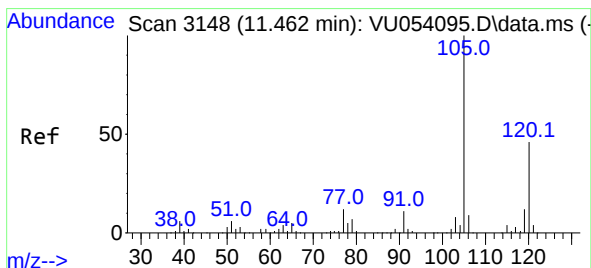
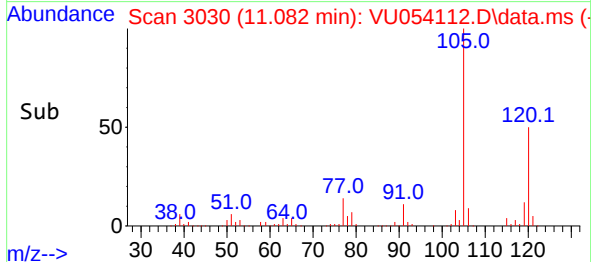
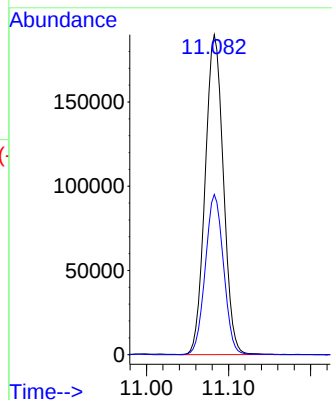
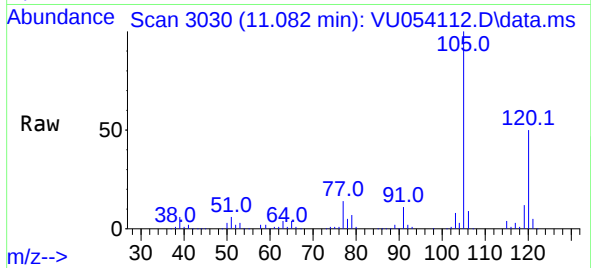




#62
1,3,5-Trimethylbenzene
Concen: 43.326 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

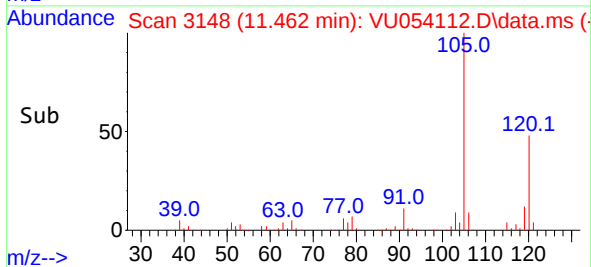
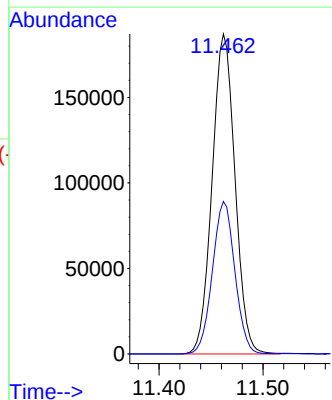
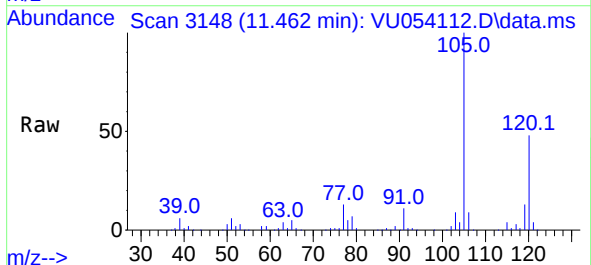
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

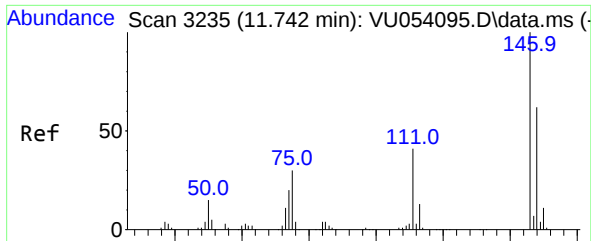
Tgt Ion:105 Resp: 292994
Ion Ratio Lower Upper
105 100
120 50.1 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 42.950 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:105 Resp: 286284
Ion Ratio Lower Upper
105 100
120 46.8 36.5 54.7

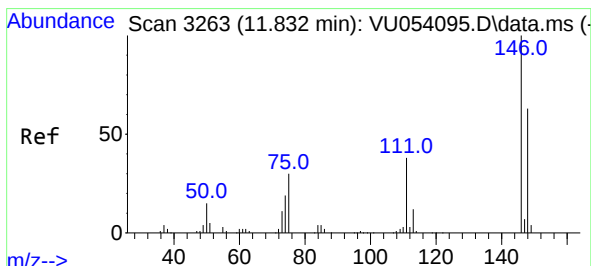
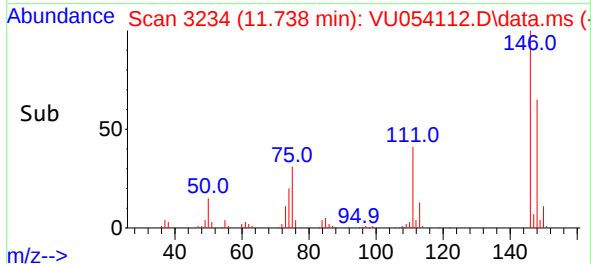
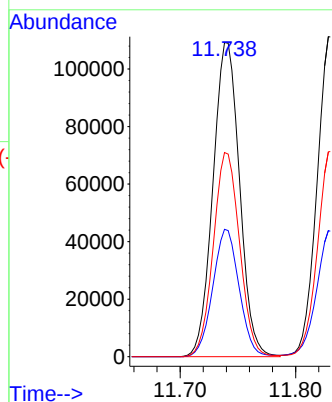
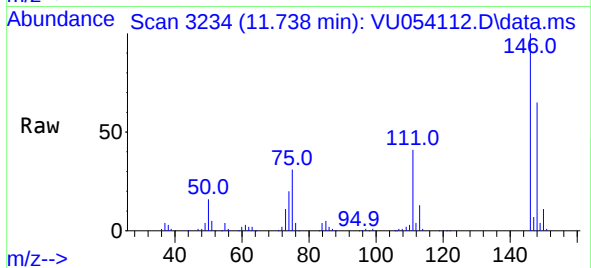




#64
1,3-Dichlorobenzene
Concen: 43.279 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

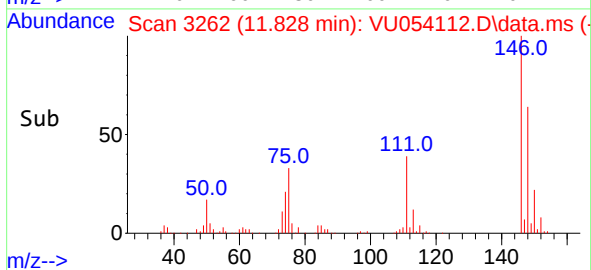
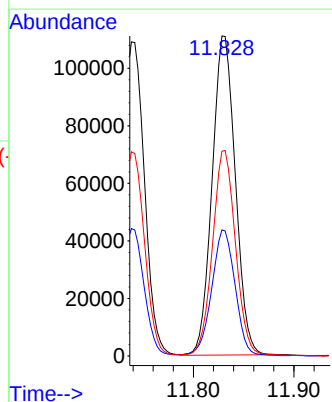
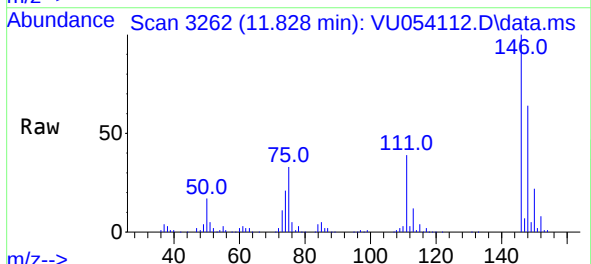
Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

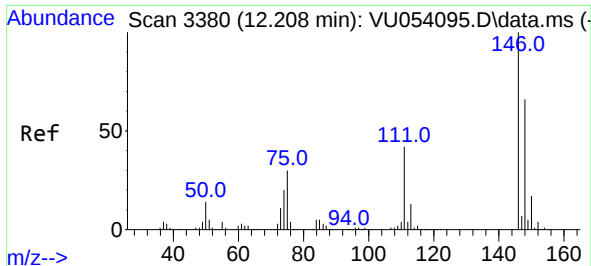
Tgt Ion:146 Resp: 174678
Ion Ratio Lower Upper
146 100
111 40.5 27.9 51.7
148 65.0 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 43.384 ug/L
RT: 11.828 min Scan# 3262
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:146 Resp: 178331
Ion Ratio Lower Upper
146 100
111 39.4 27.9 51.7
148 64.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 44.744 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050095

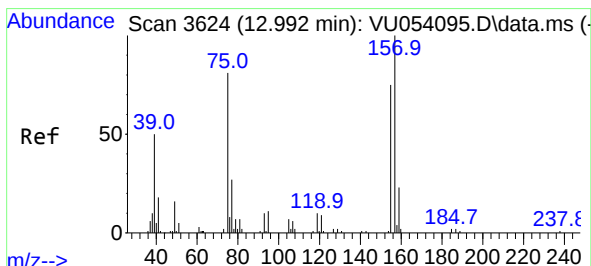
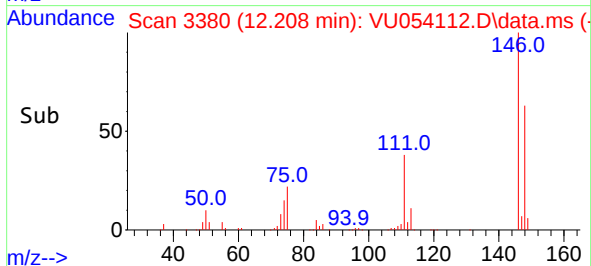
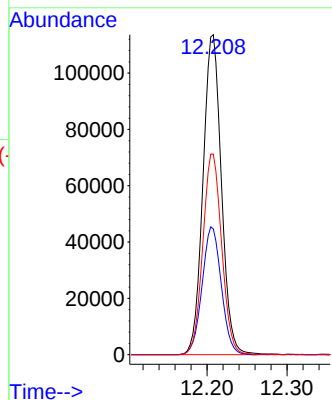
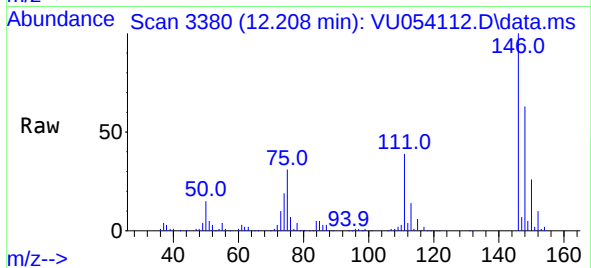
Tgt Ion:146 Resp: 182261

Ion Ratio Lower Upper

146 100

111 39.3 33.4 50.0

148 62.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.870 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

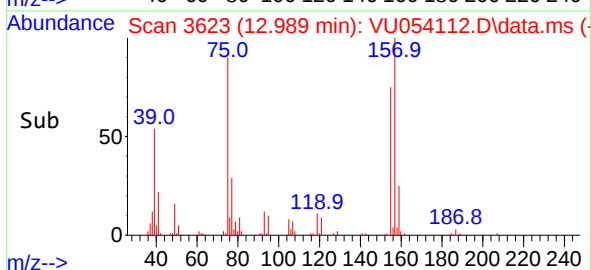
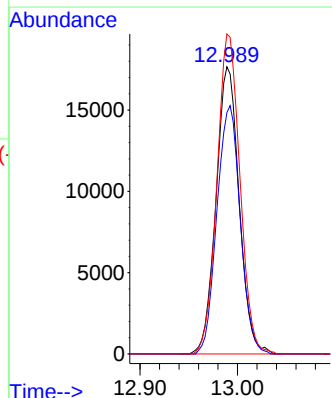
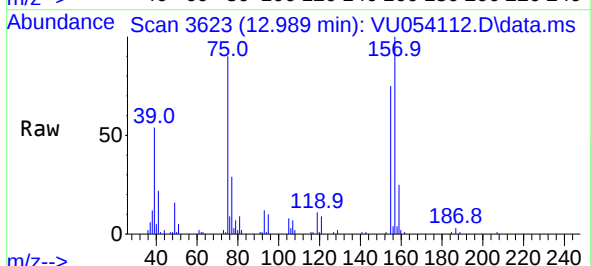
Tgt Ion: 75 Resp: 29037

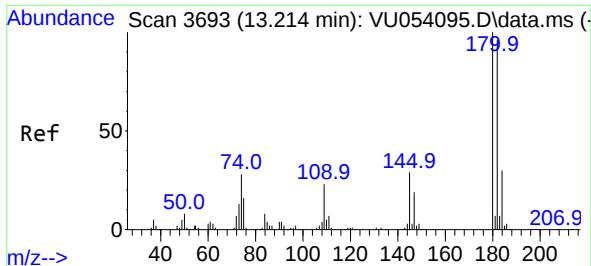
Ion Ratio Lower Upper

75 100

155 84.1 67.8 101.6

157 111.4 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 40.132 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050095

Tgt Ion:180 Resp: 117375

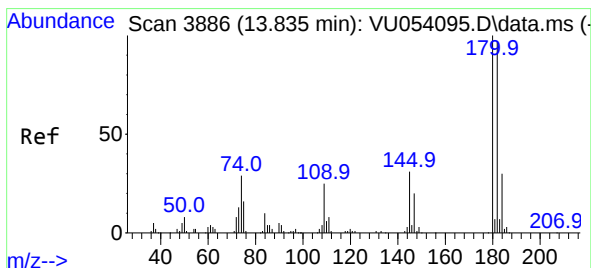
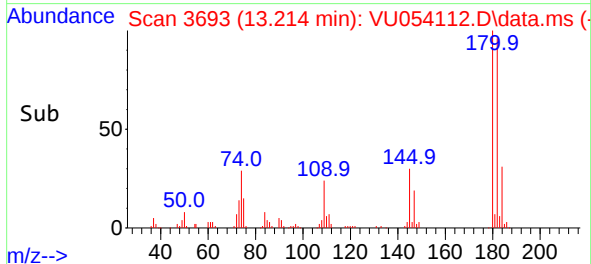
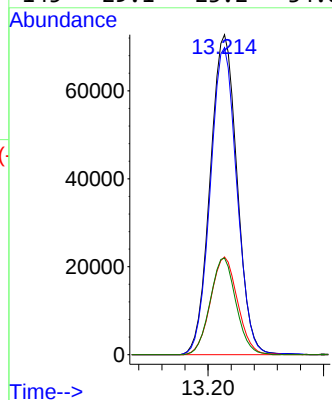
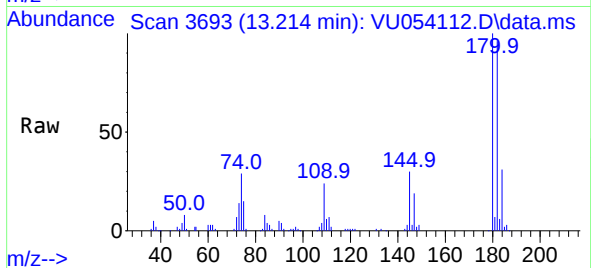
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.8 24.2 36.2

145 29.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 39.862 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054112.D

Acq: 09 May 2023 04:10

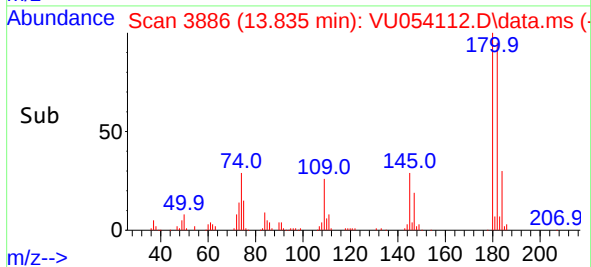
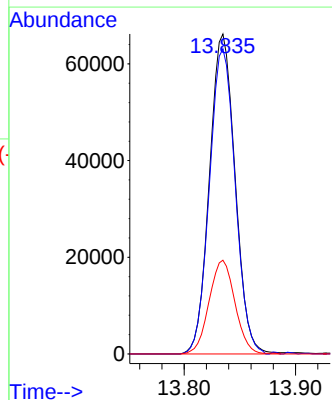
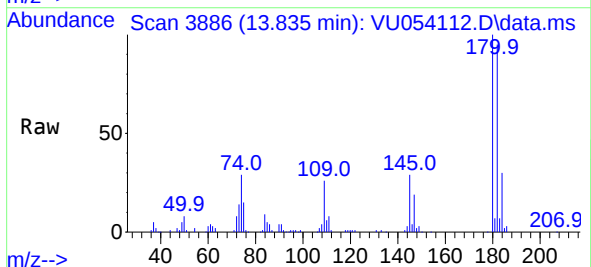
Tgt Ion:180 Resp: 105694

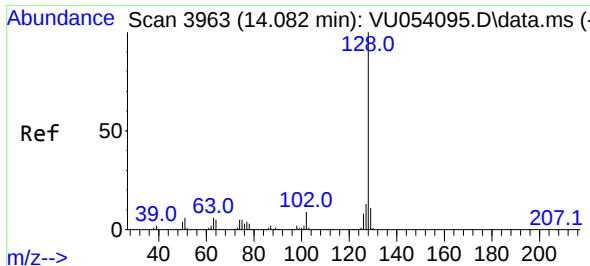
Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.2

145 29.6 23.8 35.8



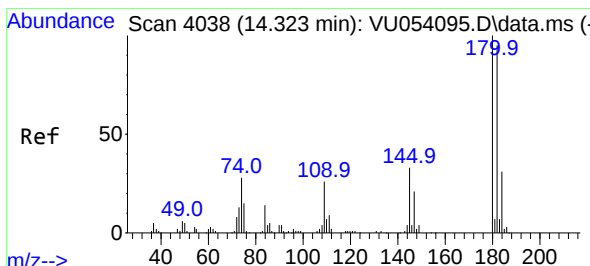
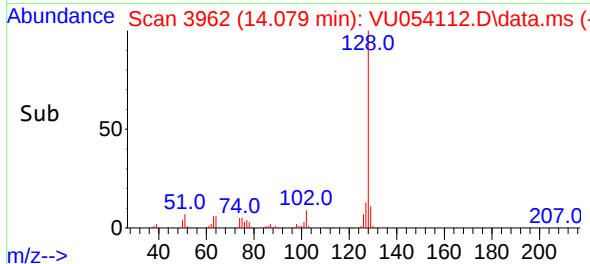
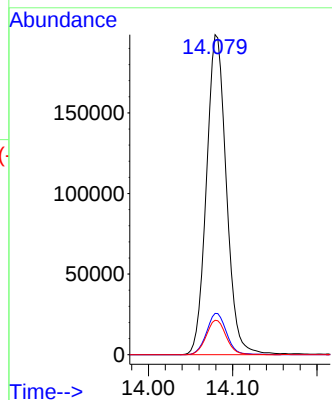
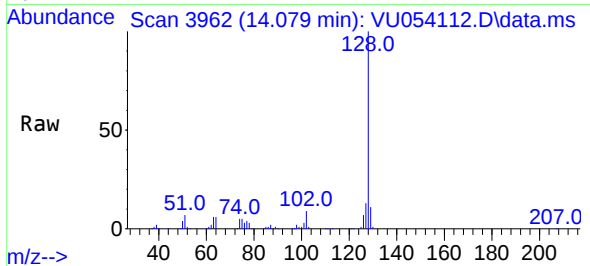


#71
Naphthalene
Concen: 42.493 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050095

Tgt Ion:128 Resp: 326794

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: 42.269 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054112.D
Acq: 09 May 2023 04:10

Tgt Ion:180 Resp: 111486

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	31.3	24.9	37.3

