

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053866.D
 Acq On : 25 Apr 2023 00:58
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

Quant Time: Apr 25 05:08:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 05:01:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	135533	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	131007	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	72397	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	41424	5.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.916	69	35732	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.568	65	17090	5.030	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	4.639	46	79737	52.736	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.480%
24) Chloroform-d	5.060	84	82482	5.302	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.700	65	38324	5.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
32) Benzene-d6	5.723	84	161624	5.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	6.687	67	48782	5.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.893	98	153261	5.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.400%
43) trans-1,3-Dichloroprop...	8.176	79	18282	4.979	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.629	63	67318	51.803	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.600%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38309	5.077	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	56506	4.866	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52512	5.223	ug/L	95
3) Chloromethane	1.520	50	51818	5.307	ug/L	99
5) Vinyl chloride	1.604	62	61601	5.468	ug/L	97
6) Bromomethane	1.861	94	39262	5.355	ug/L	95
8) Chloroethane	1.935	64	36885	5.245	ug/L	97
9) Trichlorofluoromethane	2.141	101	86650	5.209	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	51451	5.323	ug/L	99
12) 1,1-Dichloroethene	2.581	96	44839	5.260	ug/L	99
13) Acetone	2.658	43	54461	44.417	ug/L	99
14) Carbon disulfide	2.793	76	115981	4.965	ug/L	98
15) Methyl Acetate	2.961	43	14272	5.393	ug/L	99
16) Methylene chloride	3.044	84	51411	4.419	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	98841	5.352	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	46246	5.368	ug/L	96
19) 1,1-Dichloroethane	3.867	63	83779	5.374	ug/L	99
21) 2-Butanone	4.723	43	85054	50.112	ug/L	100
22) cis-1,2-Dichloroethene	4.662	96	51794	5.330	ug/L	97
23) Bromochloromethane	4.973	128	23472	5.428	ug/L	98
25) Chloroform	5.086	83	91129	5.382	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053866.D
 Acq On : 25 Apr 2023 00:58
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

Quant Time: Apr 25 05:08:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 05:01:02 2023
 Response via : Initial Calibration

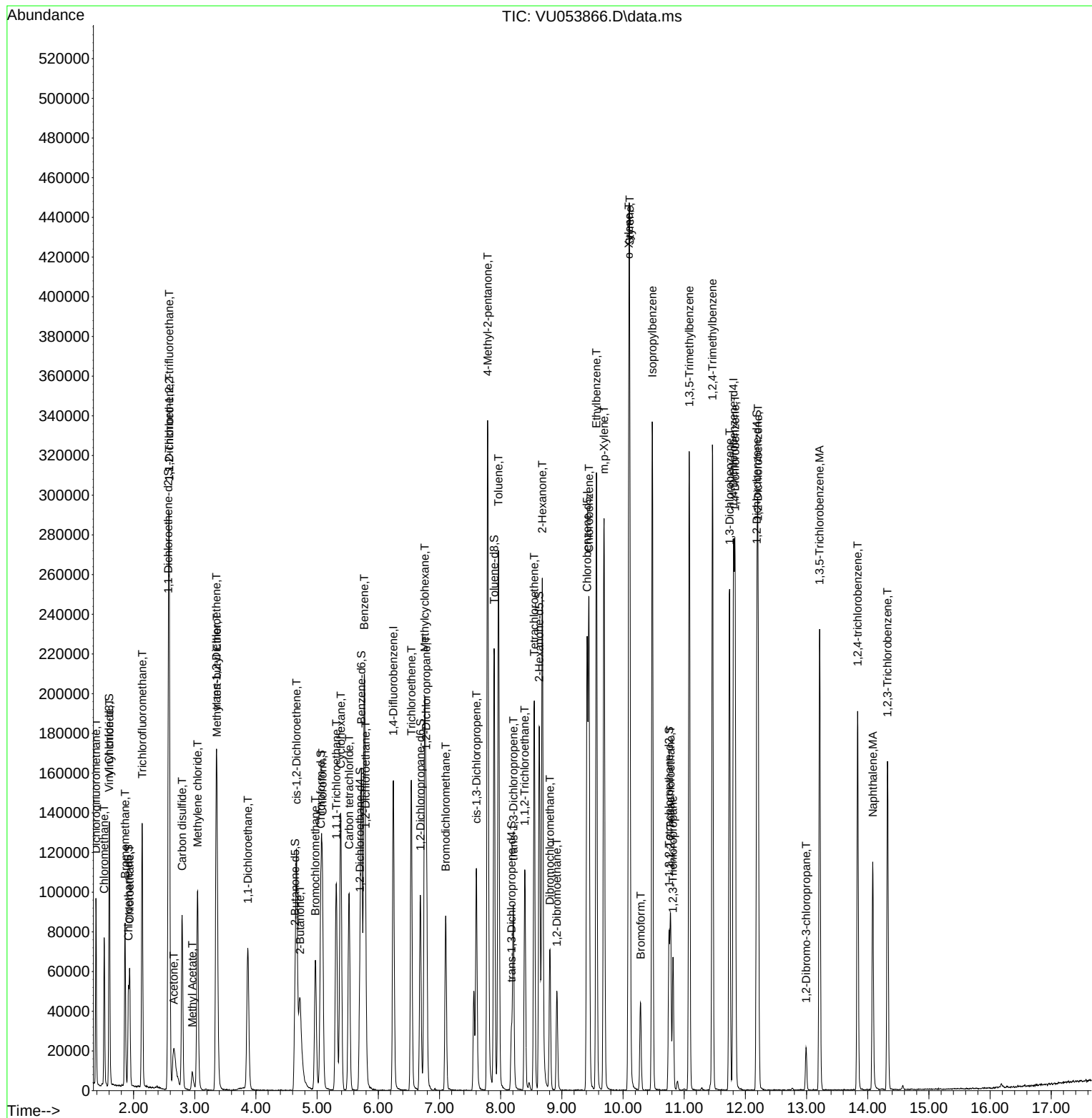
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	51078	5.263	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	78099	5.303	ug/L	99
30) Cyclohexane	5.385	56	69279	5.236	ug/L	99
31) Carbon tetrachloride	5.523	117	69077	5.396	ug/L	100
33) Benzene	5.771	78	194455	5.266	ug/L	100
34) Trichloroethene	6.539	95	53625	5.329	ug/L	97
35) Methylcyclohexane	6.761	83	78166	5.029	ug/L	99
37) 1,2-Dichloropropane	6.784	63	49181	5.368	ug/L	99
38) Bromodichloromethane	7.102	83	59747	5.217	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	70118	5.075	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	218590	52.891	ug/L	99
42) Toluene	7.964	91	211130	5.392	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	56731	5.078	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	36715	5.347	ug/L	99
47) Tetrachloroethene	8.549	164	43855	5.499	ug/L	99
48) 2-Hexanone	8.681	43	159016	50.621	ug/L	99
49) Dibromochloromethane	8.806	129	37957	5.220	ug/L	99
50) 1,2-Dibromoethane	8.919	107	34973	5.505	ug/L #	95
51) Chlorobenzene	9.443	112	137658	5.178	ug/L	98
52) Ethylbenzene	9.565	91	221799	5.158	ug/L	99
53) m,p-Xylene	9.690	106	86780	5.266	ug/L	99
54) o-Xylene	10.095	106	85133	5.354	ug/L	99
55) Styrene	10.108	104	136187	5.235	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	43297	5.288	ug/L	98
59) Bromoform	10.288	173	20513	4.983	ug/L	99
60) Isopropylbenzene	10.478	105	223790	5.141	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	28701	5.141	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	181027	5.115	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	182613	5.100	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	107568	4.945	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	105078	4.780	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	99118	4.933	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	5548	4.822	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	73063	4.690	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	58326	4.113	ug/L	97
71) Naphthalene	14.082	128	96449	3.848	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	53645	4.240	ug/L	96

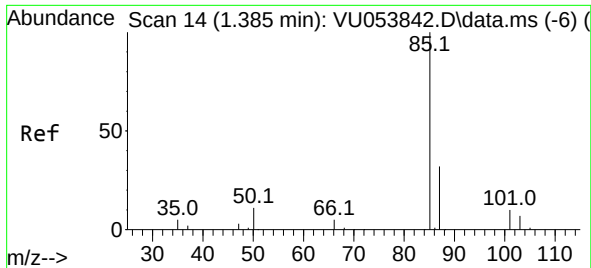
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
Data File : VU053866.D
Acq On : 25 Apr 2023 00:58
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

Quant Time: Apr 25 05:08:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 25 05:01:02 2023
Response via : Initial Calibration

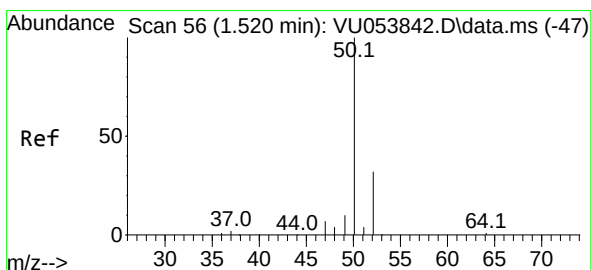
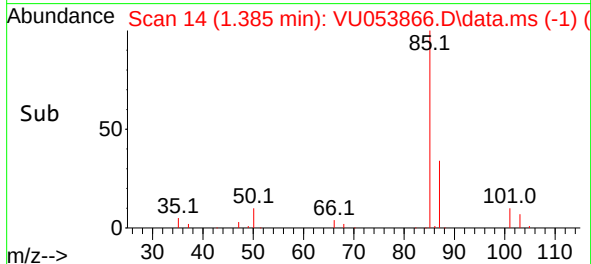
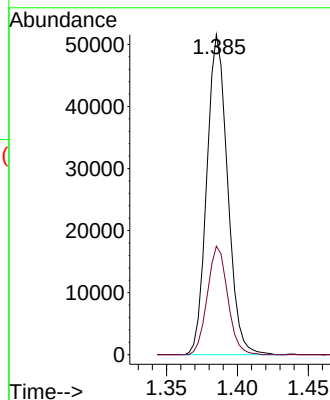
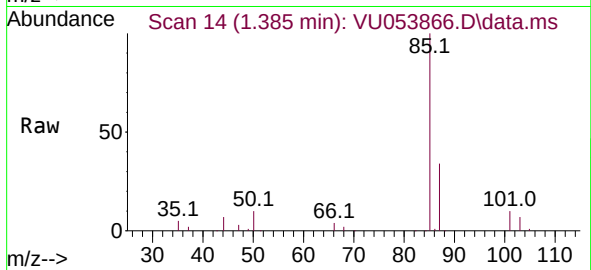




#2
Dichlorodifluoromethane
Concen: 5.223 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

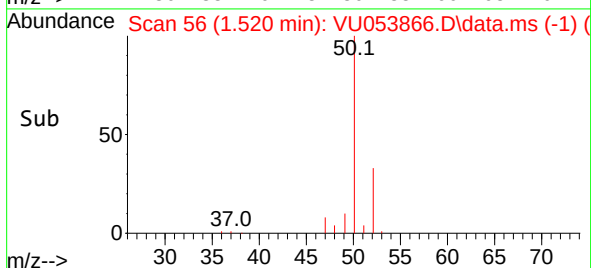
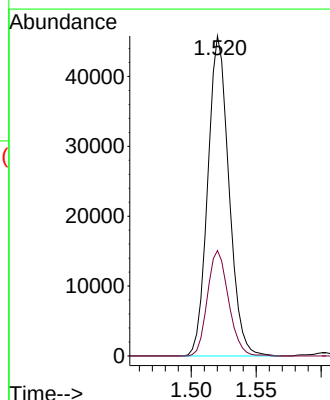
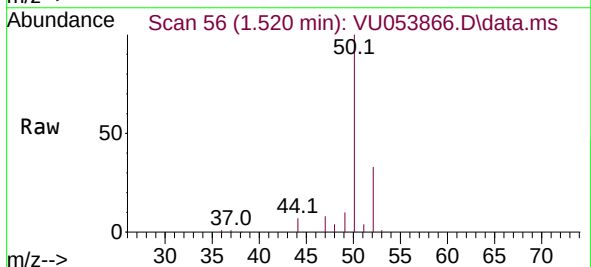
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

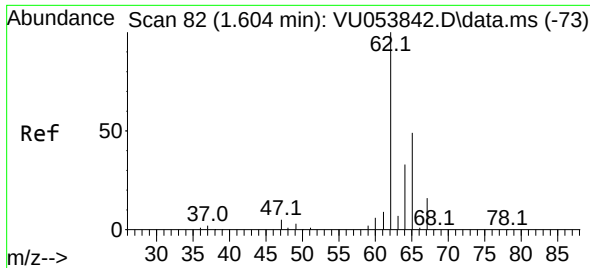
Tgt Ion: 85 Resp: 52512
Ion Ratio Lower Upper
85 100
87 33.2 24.5 36.7



#3
Chloromethane
Concen: 5.307 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 50 Resp: 51818
Ion Ratio Lower Upper
50 100
52 33.0 23.4 43.6

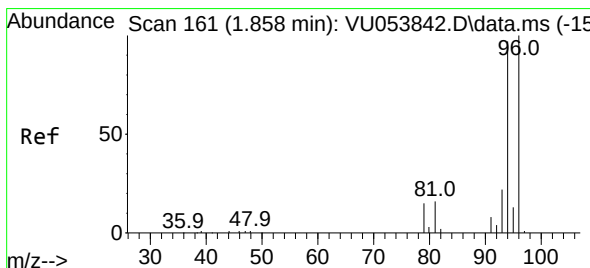
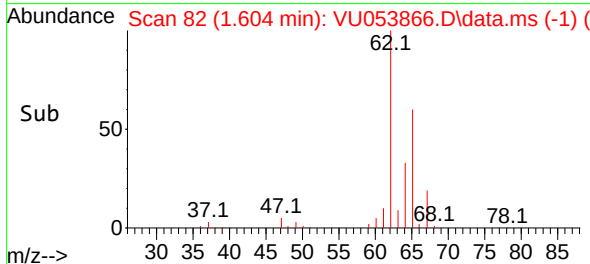
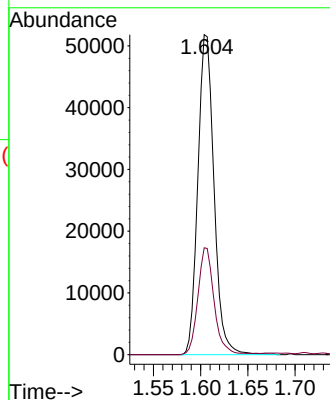
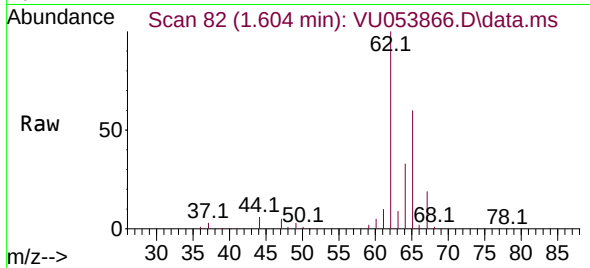




#5
 Vinyl chloride
 Concen: 5.468 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

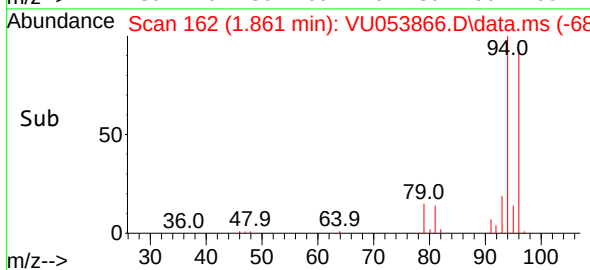
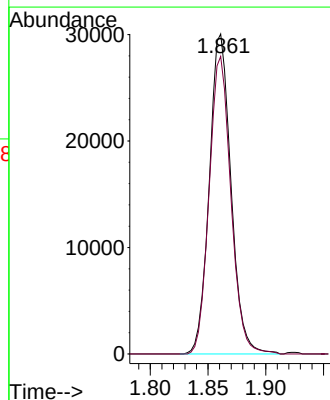
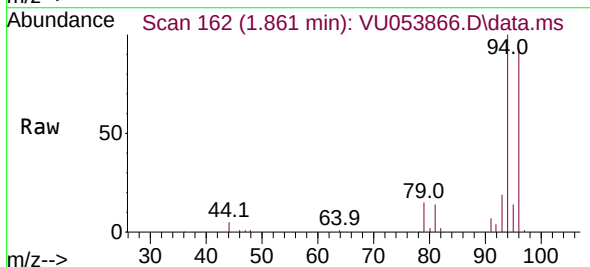
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

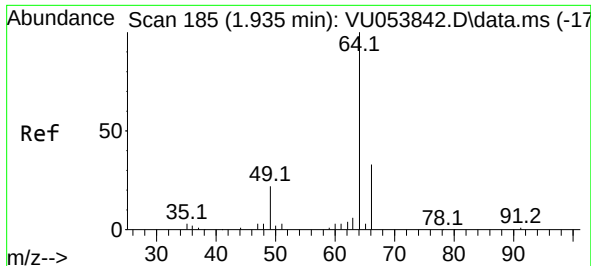
Tgt Ion: 62 Resp: 61601
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.4 41.6



#6
 Bromomethane
 Concen: 5.355 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

Tgt Ion: 94 Resp: 39262
 Ion Ratio Lower Upper
 94 100
 96 93.0 61.9 114.9

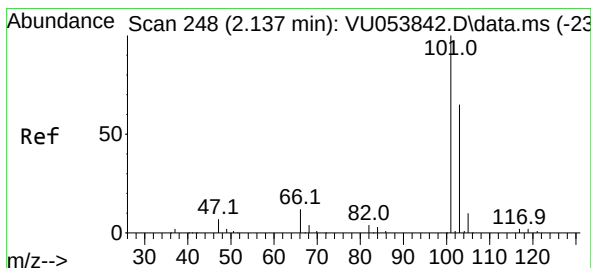
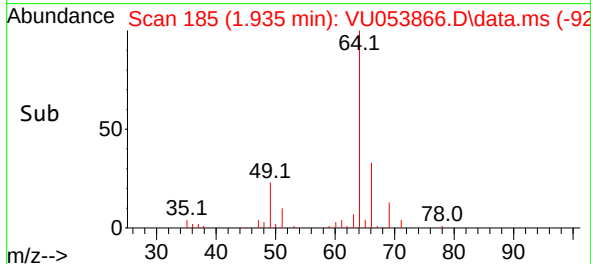
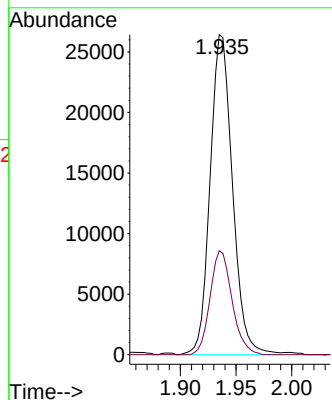
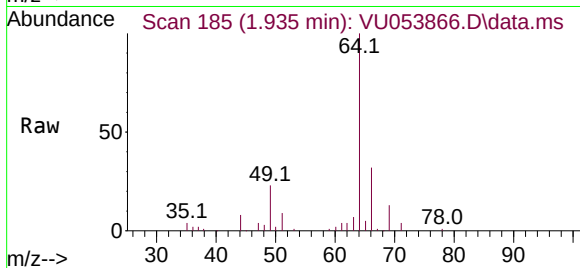




#8
Chloroethane
Concen: 5.245 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

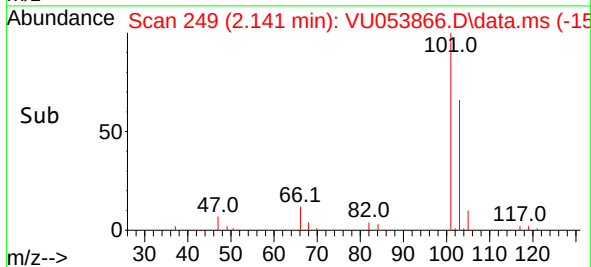
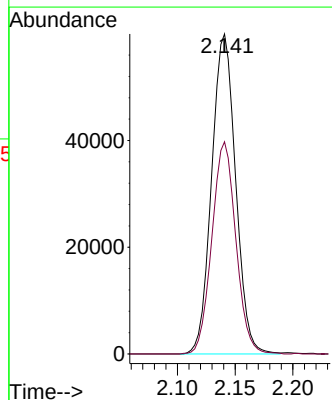
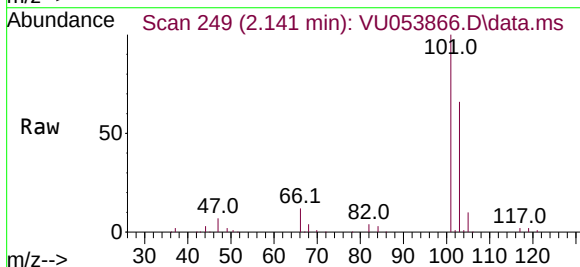
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

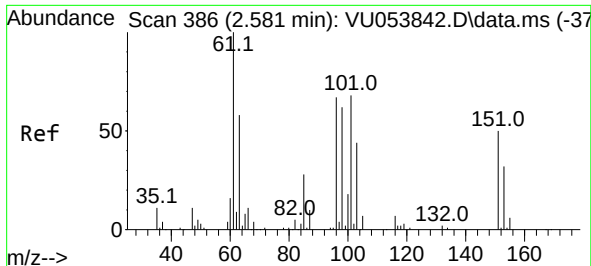
Tgt Ion: 64 Resp: 36885
Ion Ratio Lower Upper
64 100
66 32.5 23.8 44.2



#9
Trichlorofluoromethane
Concen: 5.209 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion:101 Resp: 86650
Ion Ratio Lower Upper
101 100
103 66.3 52.6 78.8

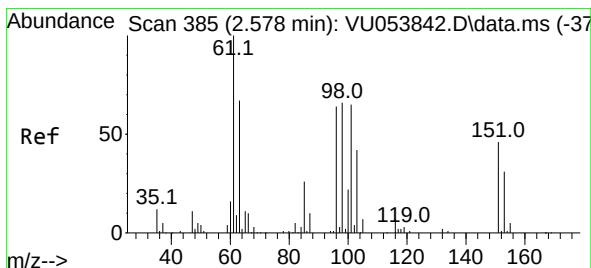
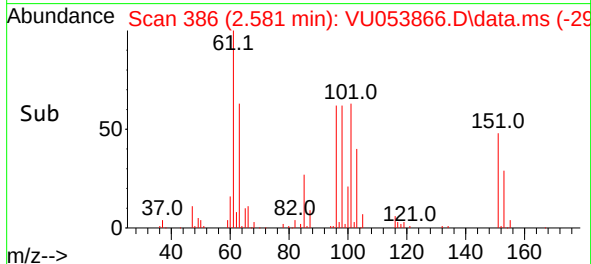
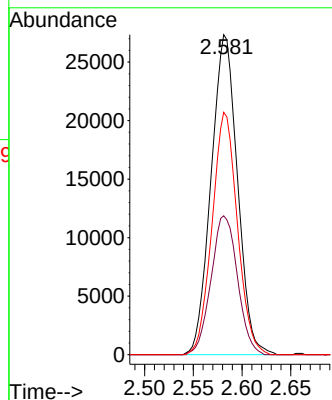
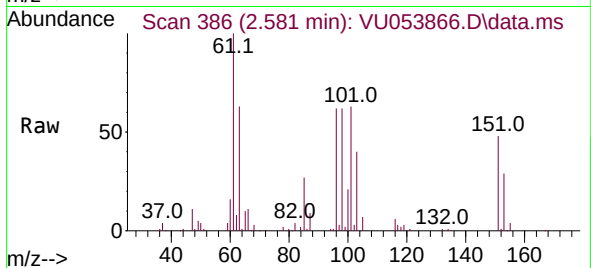




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.323 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

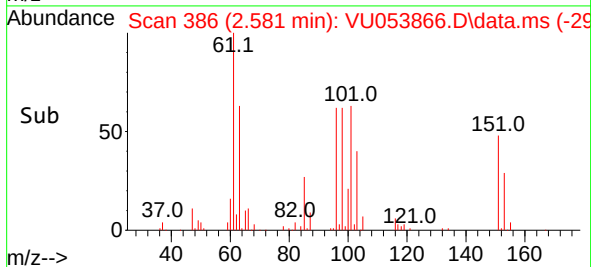
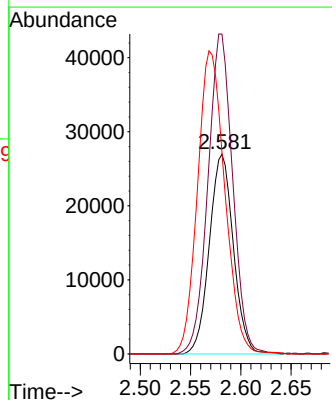
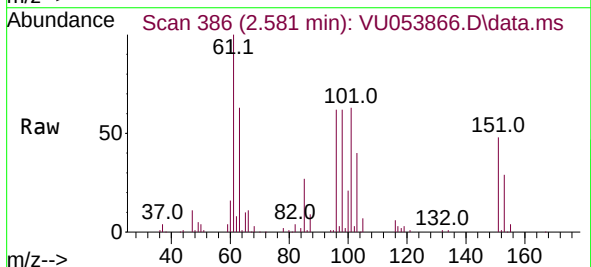
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

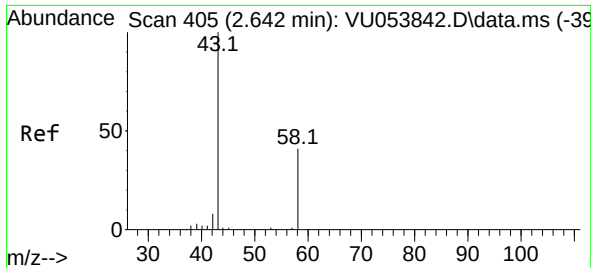
Tgt Ion:101 Resp: 51451
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.7 52.1
 151 72.7 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 5.260 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

Tgt Ion: 96 Resp: 44839
 Ion Ratio Lower Upper
 96 100
 61 160.2 111.5 207.1
 63 100.9 68.7 127.7





#13

Acetone

Concen: 44.417 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.016 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

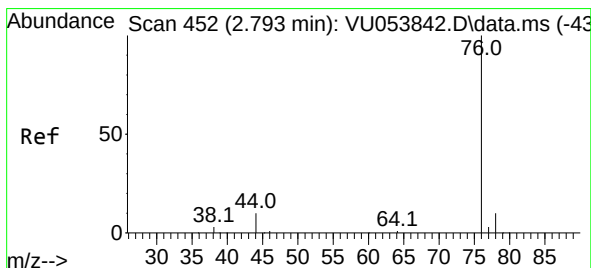
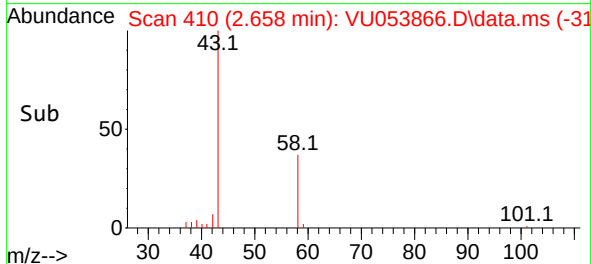
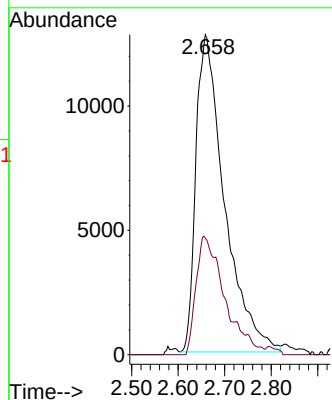
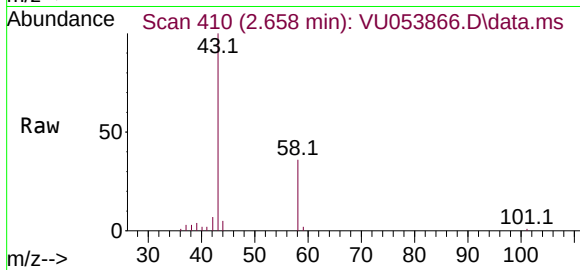
VSTD005158

Tgt Ion: 43 Resp: 54461

Ion Ratio Lower Upper

43 100

58 37.4 0.0 76.2



#14

Carbon disulfide

Concen: 4.965 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053866.D

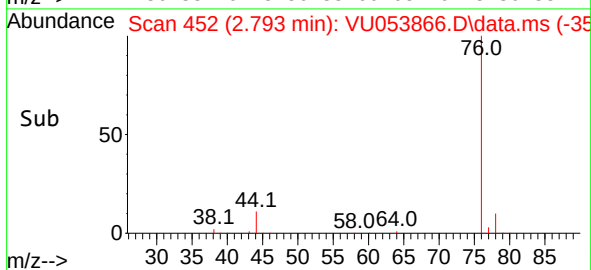
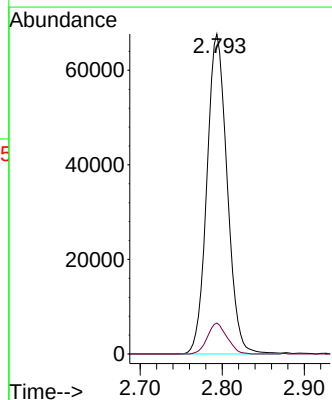
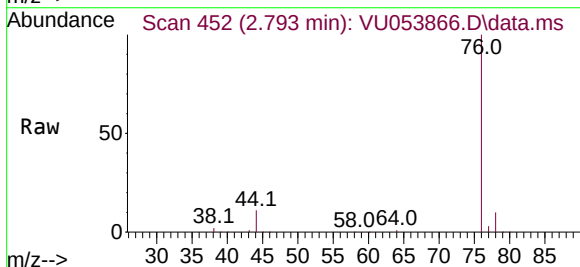
Acq: 25 Apr 2023 00:58

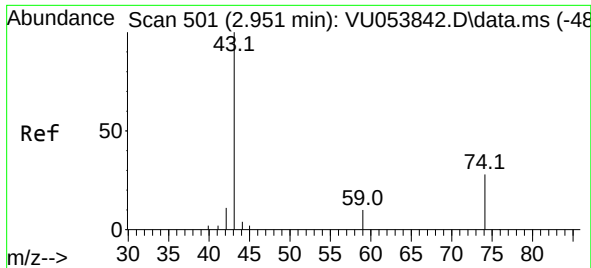
Tgt Ion: 76 Resp: 115981

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

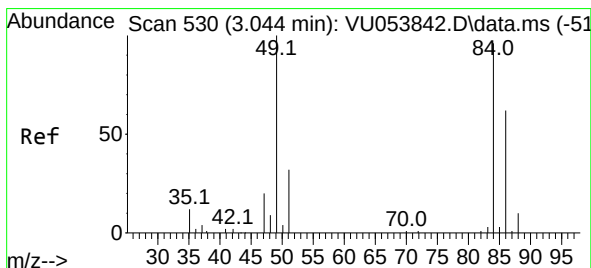
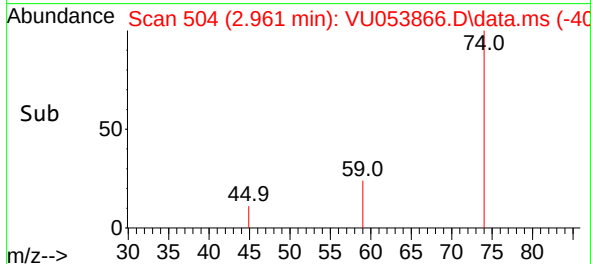
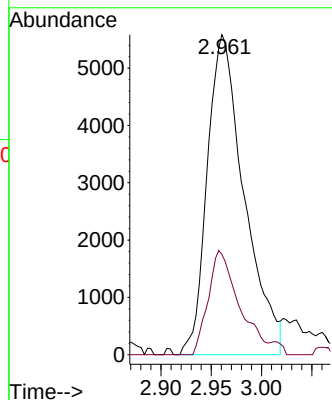
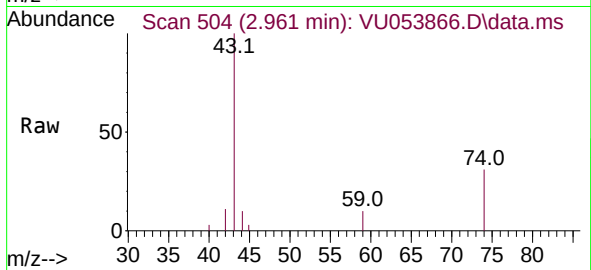




#15
Methyl Acetate
Concen: 5.393 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

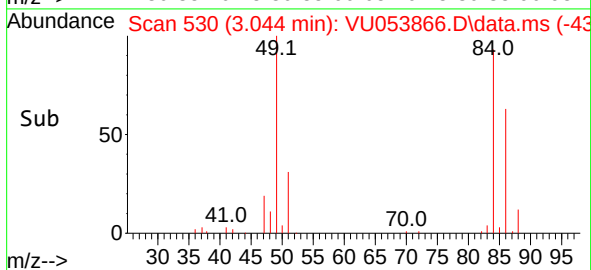
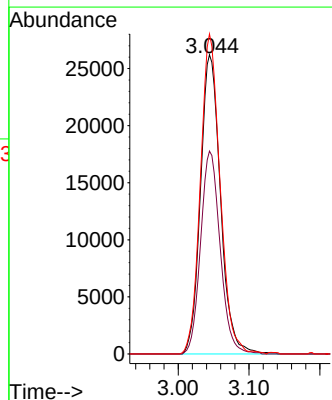
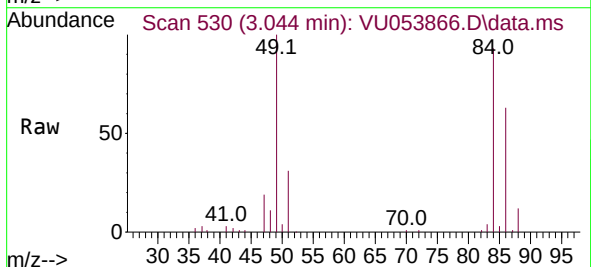
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

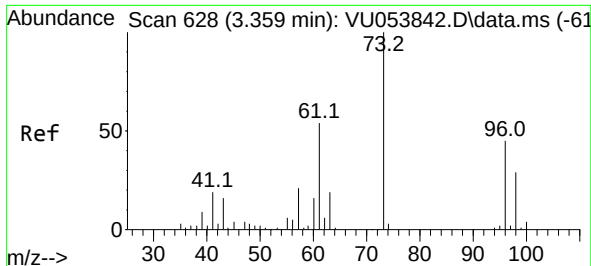
Tgt Ion: 43 Resp: 14272
Ion Ratio Lower Upper
43 100
74 27.1 22.0 33.0



#16
Methylene chloride
Concen: 4.419 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 84 Resp: 51411
Ion Ratio Lower Upper
84 100
86 67.8 45.0 83.6
49 107.0 74.8 138.8

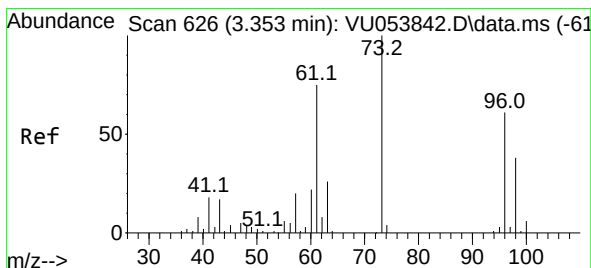
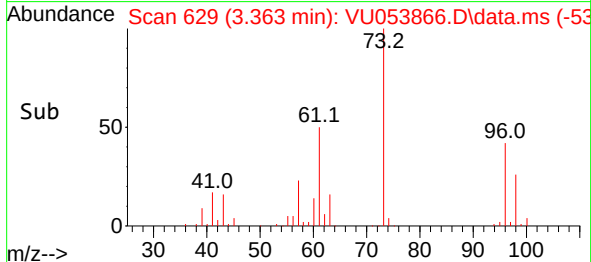
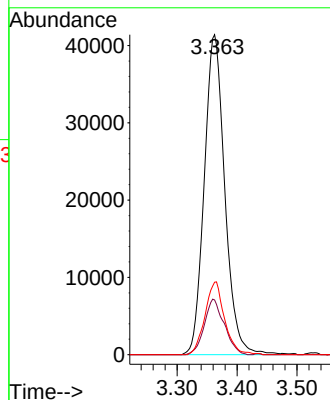
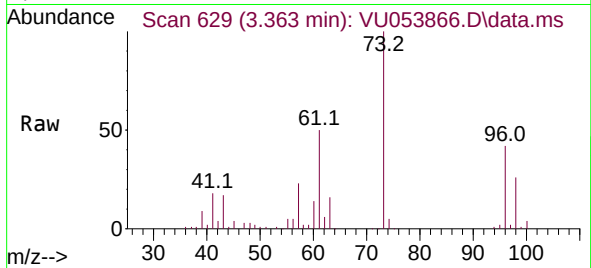




#17
Methyl tert-butyl Ether
Concen: 5.352 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

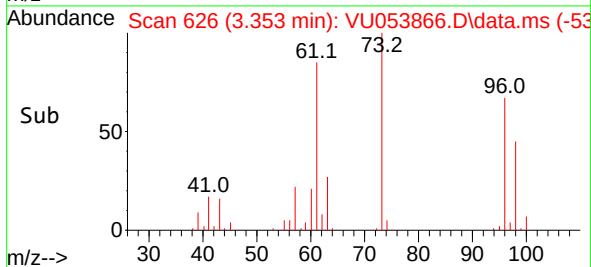
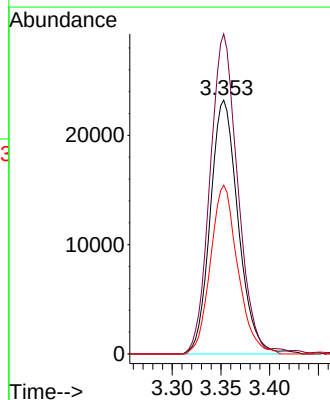
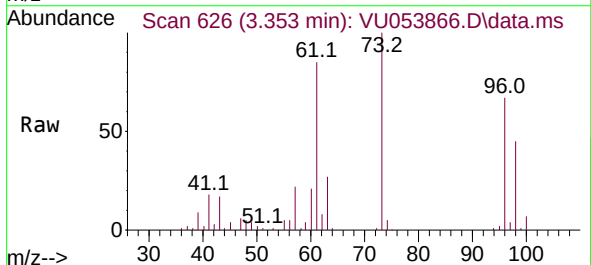
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

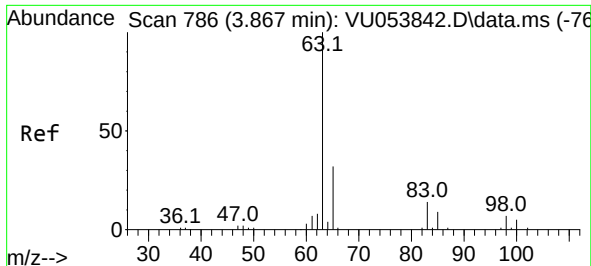
Tgt Ion: 73 Resp: 98841
Ion Ratio Lower Upper
73 100
43 16.8 13.4 20.2
57 21.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.368 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 96 Resp: 46246
Ion Ratio Lower Upper
96 100
61 126.0 86.2 160.0
98 66.5 42.8 79.4

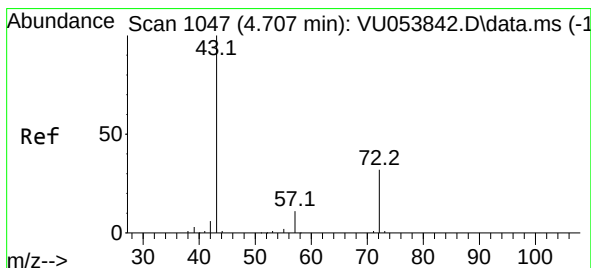
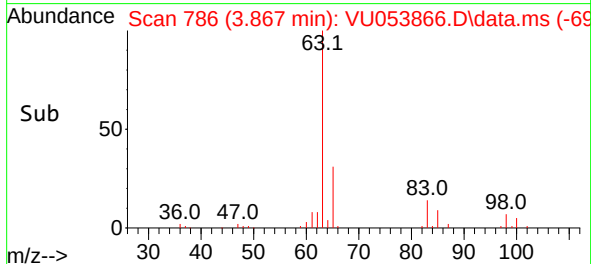
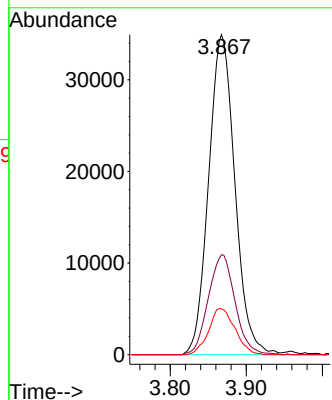
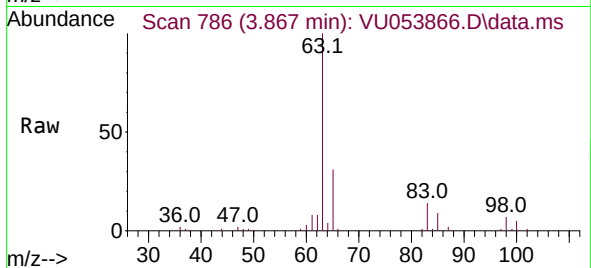




#19
1,1-Dichloroethane
Concen: 5.374 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

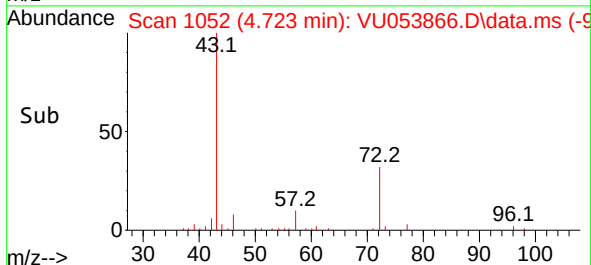
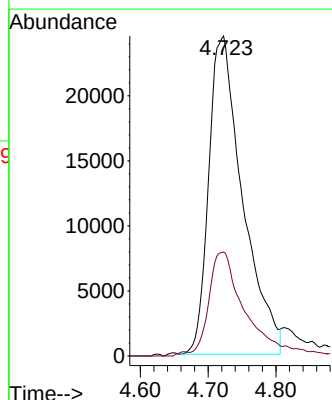
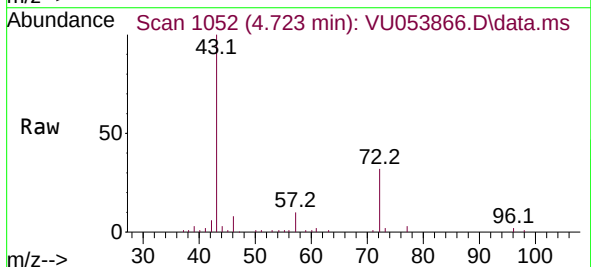
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

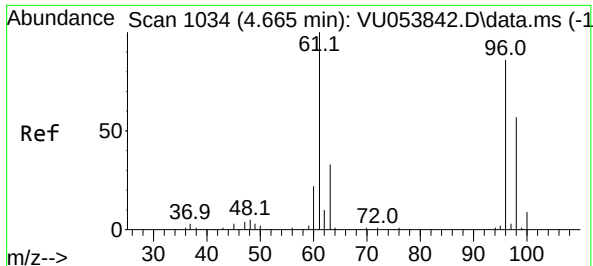
Tgt Ion: 63 Resp: 83779
Ion Ratio Lower Upper
63 100
65 31.3 22.0 40.8
83 14.3 10.3 19.1



#21
2-Butanone
Concen: 50.112 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 43 Resp: 85054
Ion Ratio Lower Upper
43 100
72 31.2 15.7 47.0





#22

cis-1,2-Dichloroethene

Concen: 5.330 ug/L

RT: 4.662 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

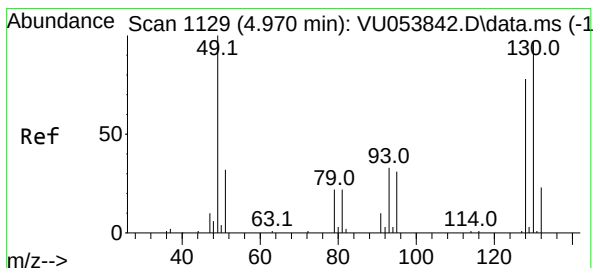
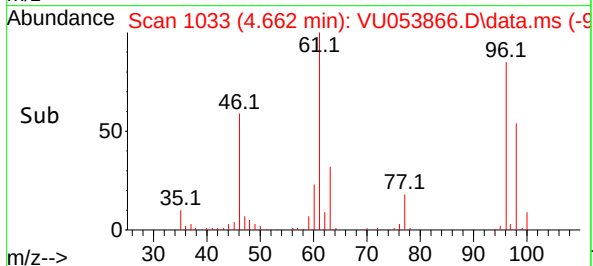
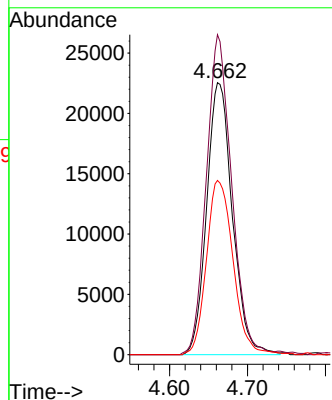
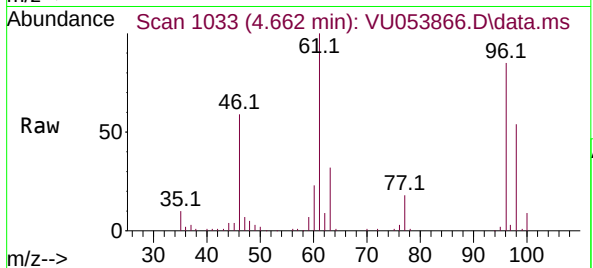
Tgt Ion: 96 Resp: 51794

Ion Ratio Lower Upper

96 100

61 117.6 84.3 156.5

98 64.1 46.4 86.2



#23

Bromochloromethane

Concen: 5.428 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Tgt Ion:128 Resp: 23472

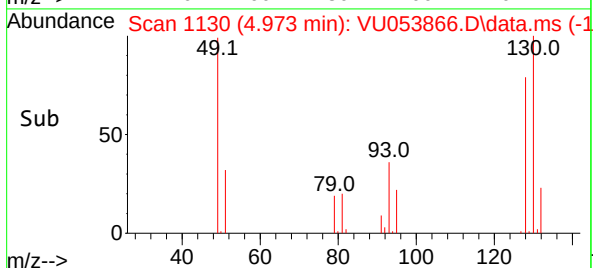
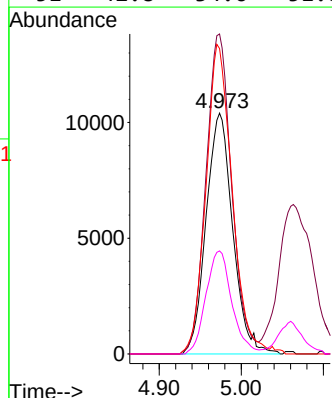
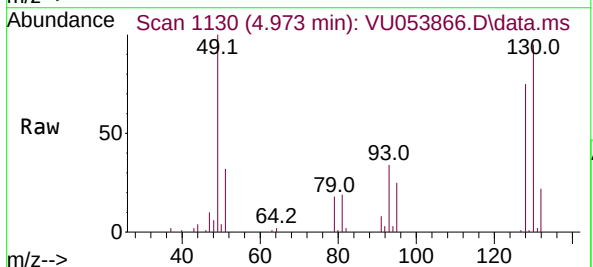
Ion Ratio Lower Upper

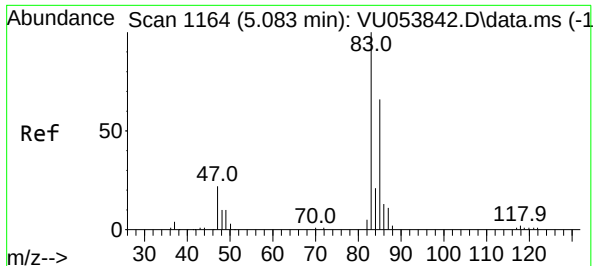
128 100

49 132.9 91.3 169.5

130 126.9 87.6 162.8

51 42.8 34.6 51.8





#25

Chloroform

Concen: 5.382 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

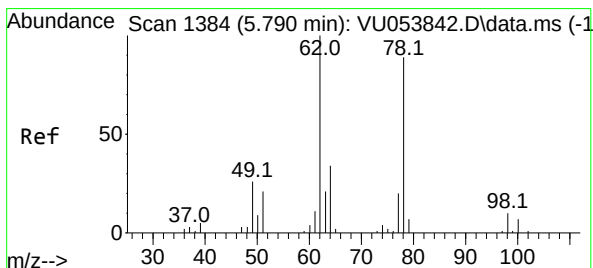
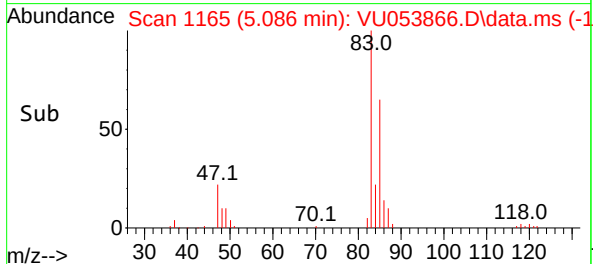
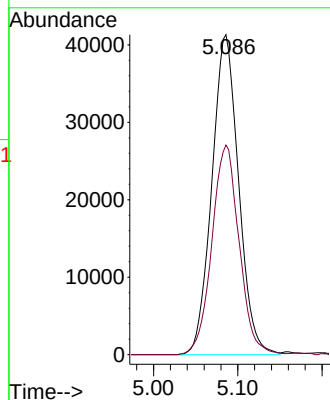
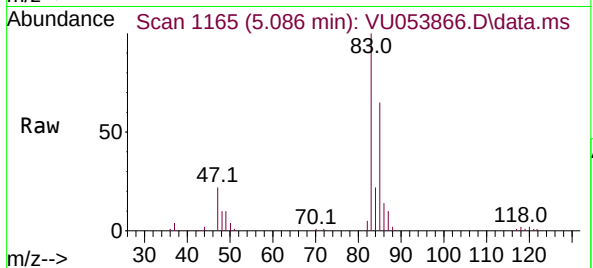
VSTD005158

Tgt Ion: 83 Resp: 91129

Ion Ratio Lower Upper

83 100

85 65.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.263 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053866.D

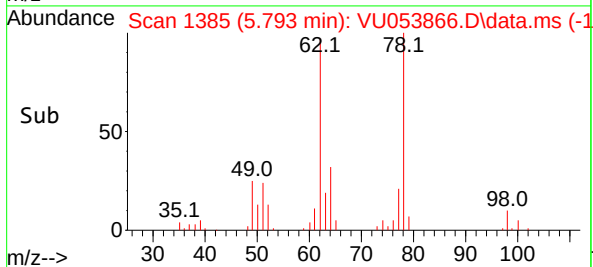
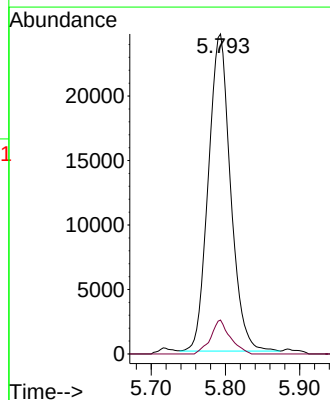
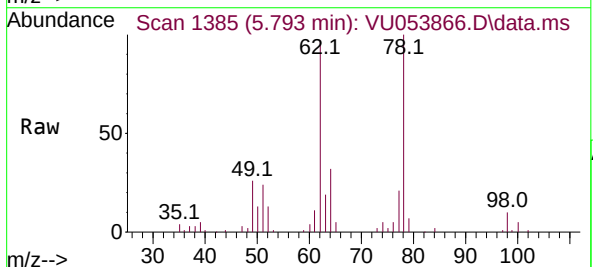
Acq: 25 Apr 2023 00:58

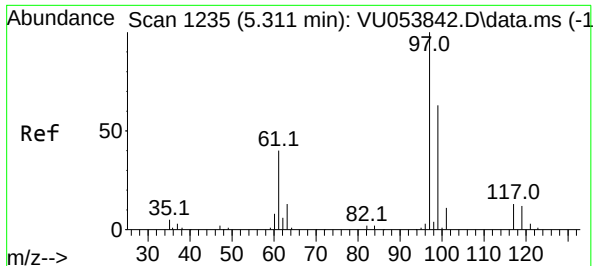
Tgt Ion: 62 Resp: 51078

Ion Ratio Lower Upper

62 100

98 10.6 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.303 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

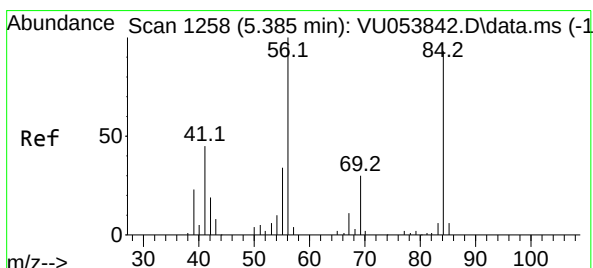
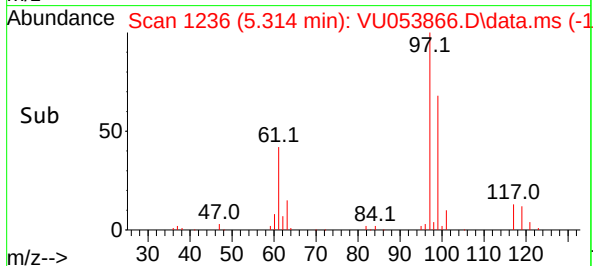
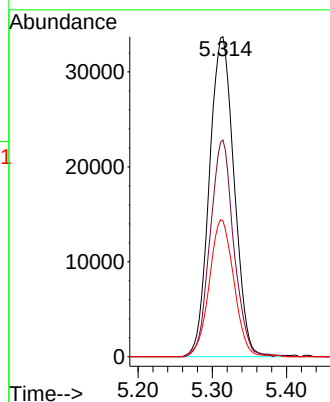
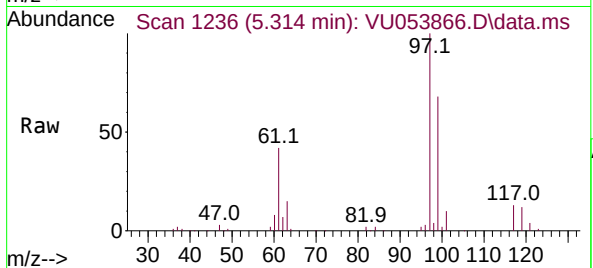
Tgt Ion: 97 Resp: 78099

Ion Ratio Lower Upper

97 100

99 64.7 52.9 79.3

61 42.5 33.8 50.8



#30

Cyclohexane

Concen: 5.236 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

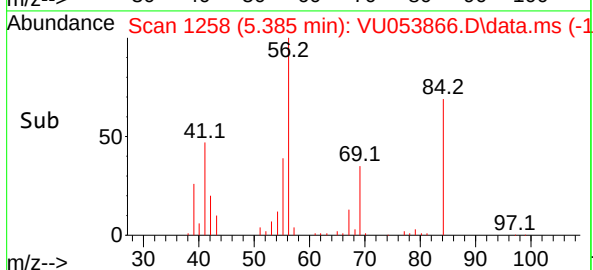
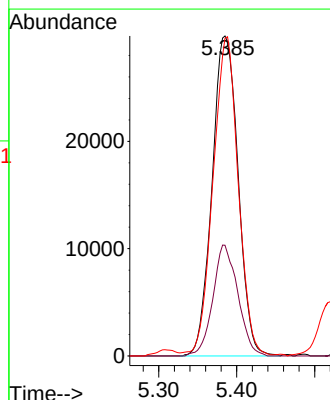
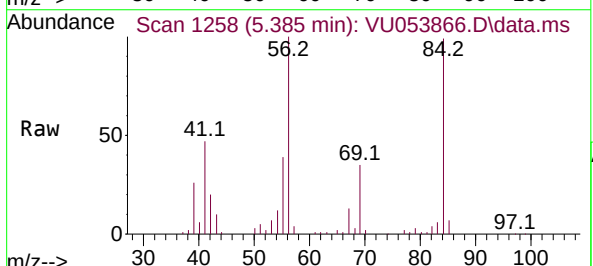
Tgt Ion: 56 Resp: 69279

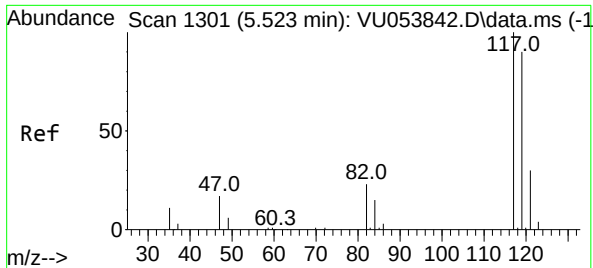
Ion Ratio Lower Upper

56 100

69 33.2 27.0 40.4

84 95.9 78.0 117.0

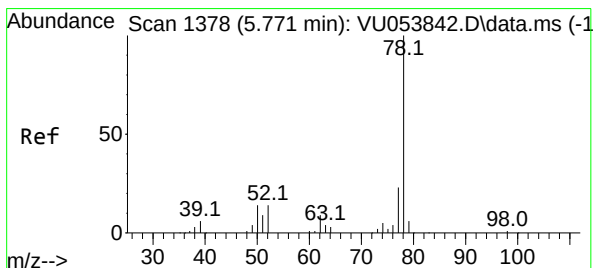
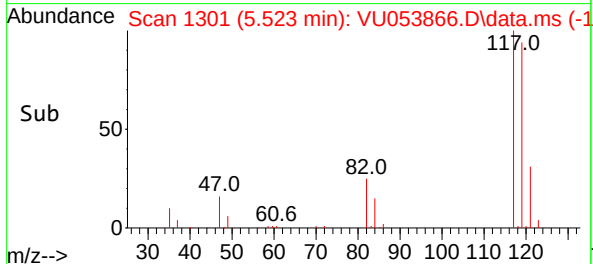
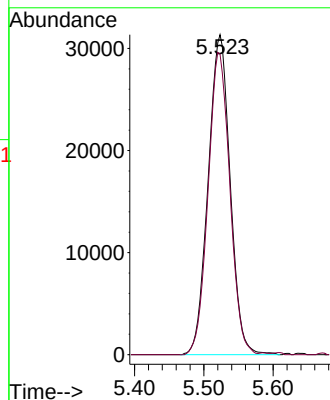
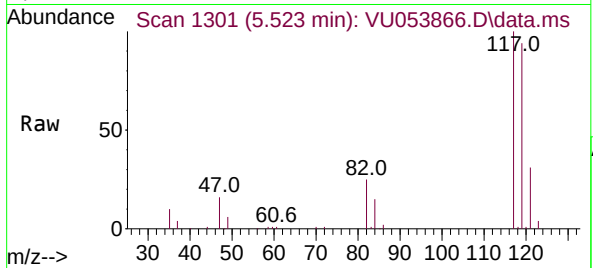




#31
Carbon tetrachloride
Concen: 5.396 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

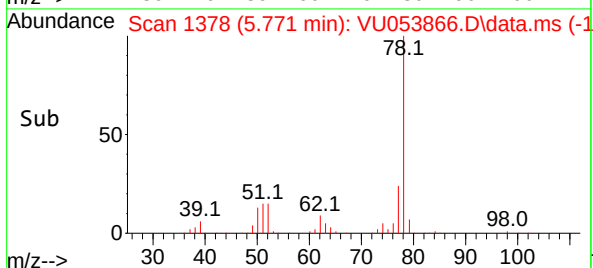
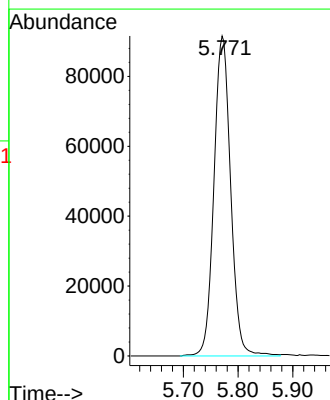
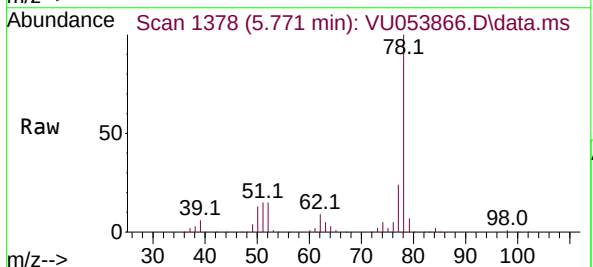
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

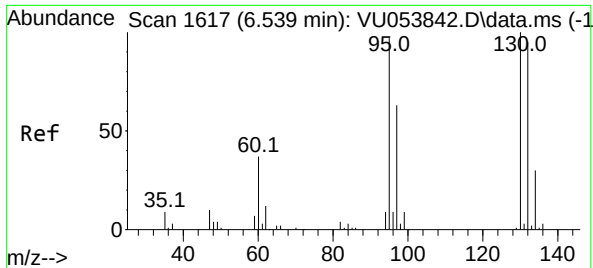
Tgt Ion:117 Resp: 69077
Ion Ratio Lower Upper
117 100
119 93.5 75.0 112.6



#33
Benzene
Concen: 5.266 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 78 Resp: 194455

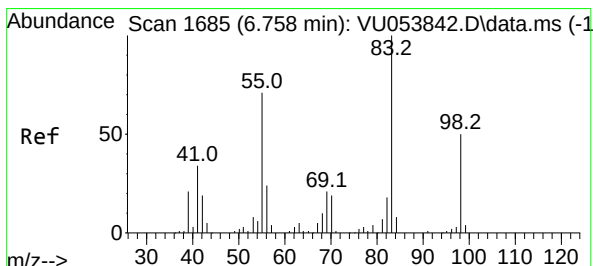
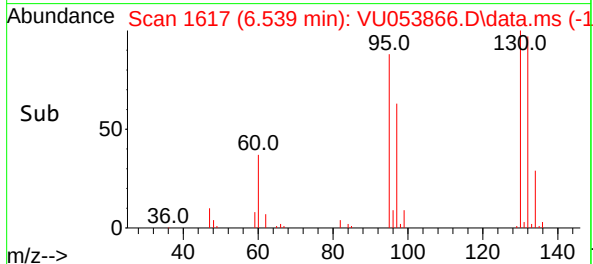
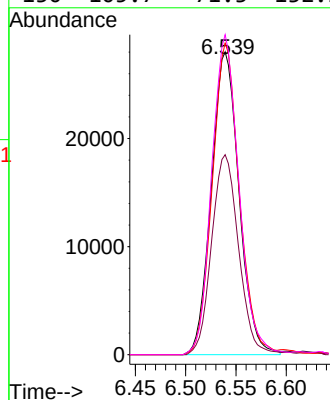
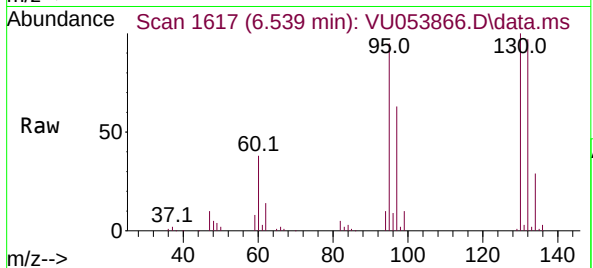




#34
Trichloroethene
Concen: 5.329 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

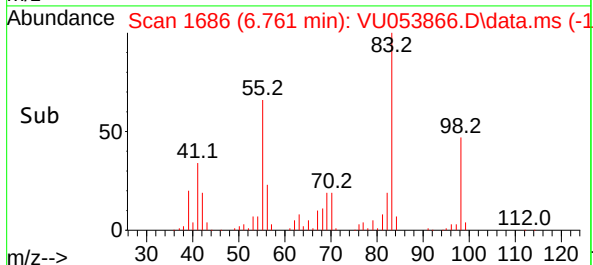
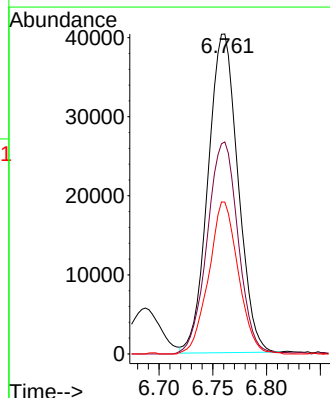
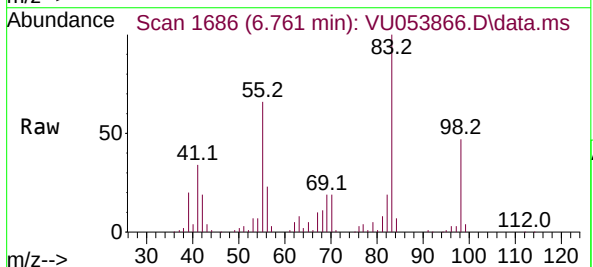
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

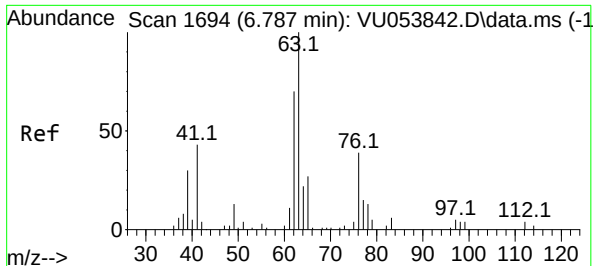
Tgt Ion: 95 Resp: 53625
Ion Ratio Lower Upper
95 100
97 66.0 45.1 83.9
132 102.9 69.9 129.9
130 105.7 71.3 132.3



#35
Methylcyclohexane
Concen: 5.029 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 83 Resp: 78166
Ion Ratio Lower Upper
83 100
55 68.6 55.4 83.2
98 47.0 37.3 55.9

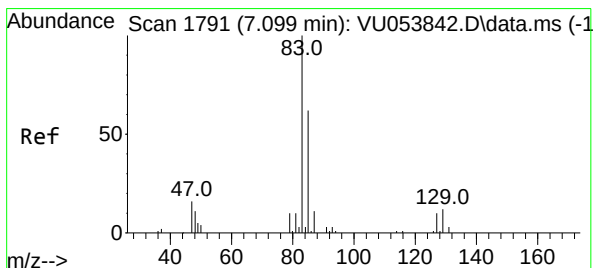
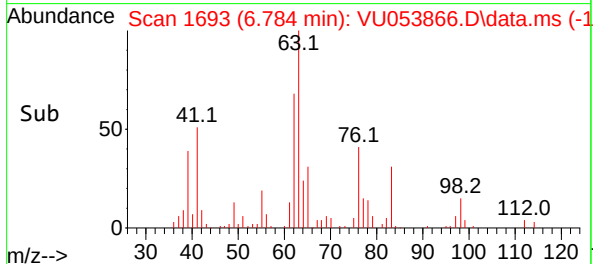
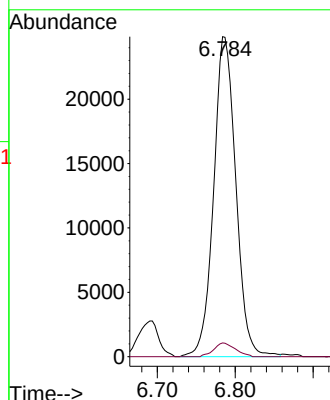
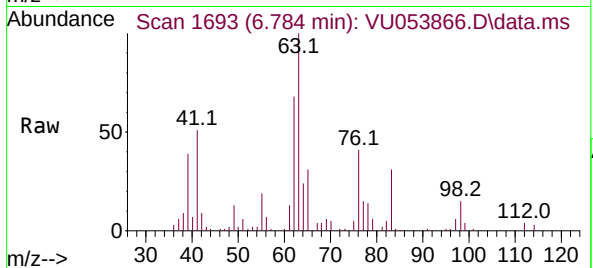




#37
1,2-Dichloropropane
Concen: 5.368 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

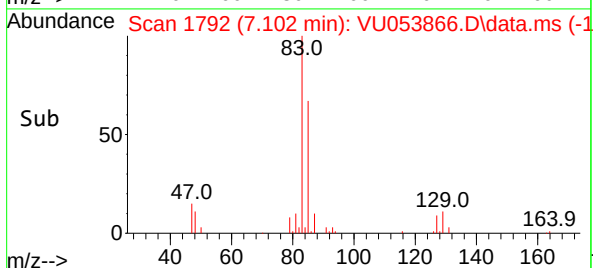
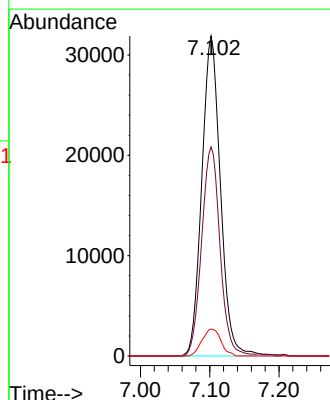
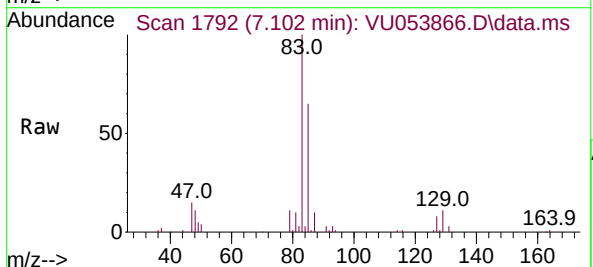
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

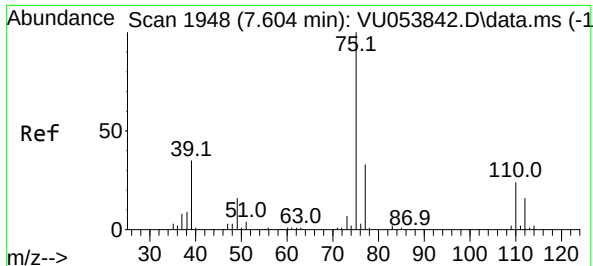
Tgt Ion: 63 Resp: 49181
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3



#38
Bromodichloromethane
Concen: 5.217 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 83 Resp: 59747
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0
127 8.4 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.075 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

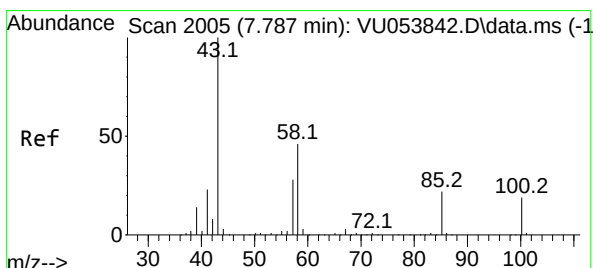
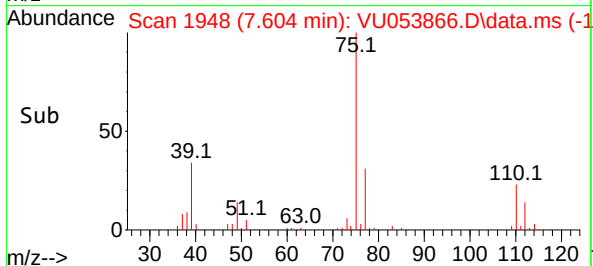
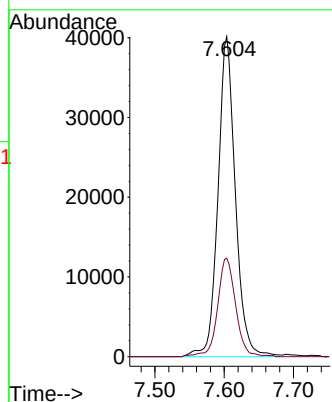
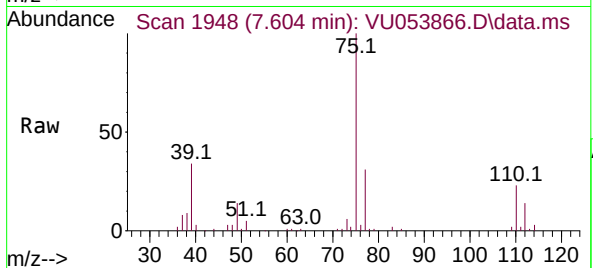
VSTD005158

Tgt Ion: 75 Resp: 70118

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 52.891 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

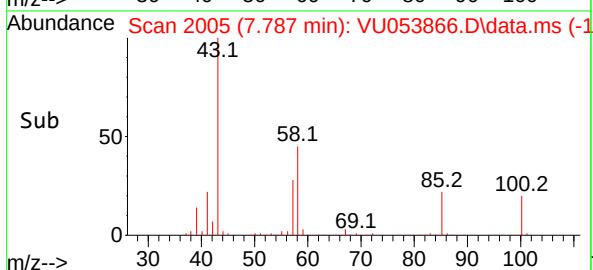
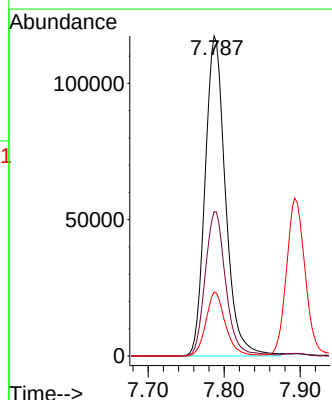
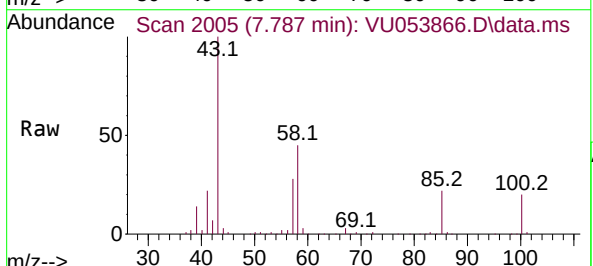
Tgt Ion: 43 Resp: 218590

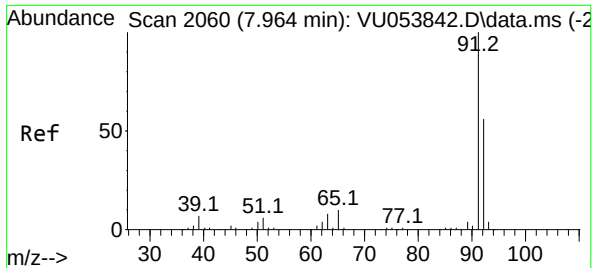
Ion Ratio Lower Upper

43 100

58 45.6 36.0 54.0

100 19.1 15.1 22.7





#42

Toluene

Concen: 5.392 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

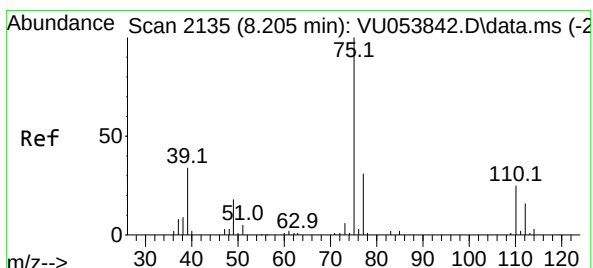
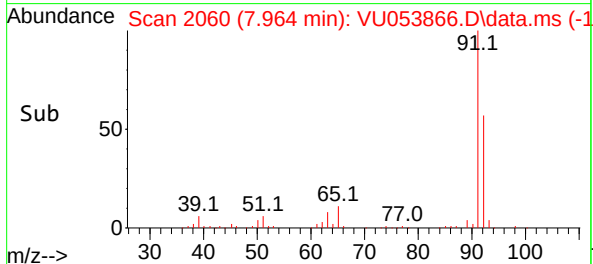
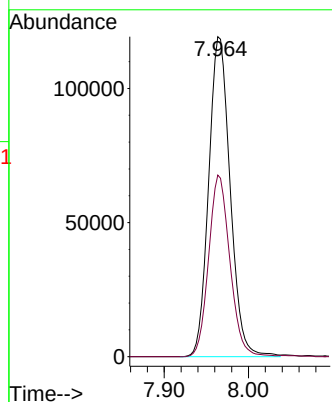
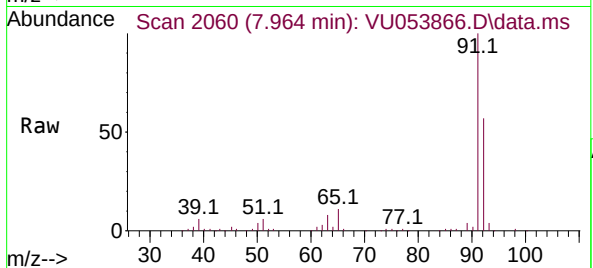
VSTD005158

Tgt Ion: 91 Resp: 211130

Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.078 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053866.D

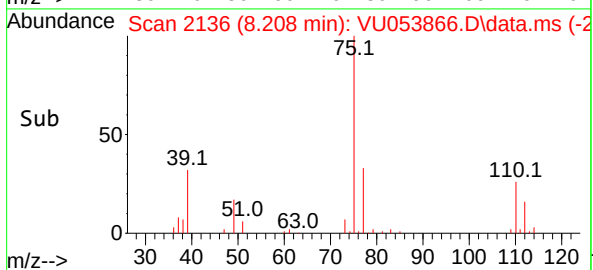
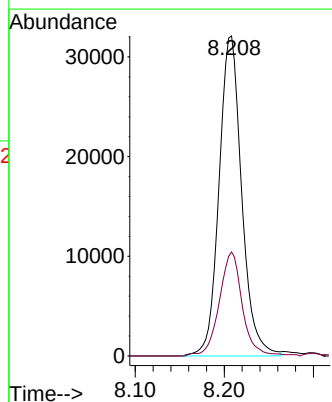
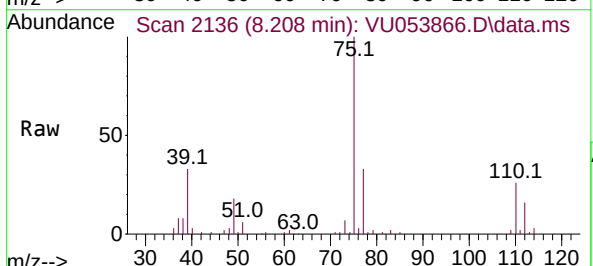
Acq: 25 Apr 2023 00:58

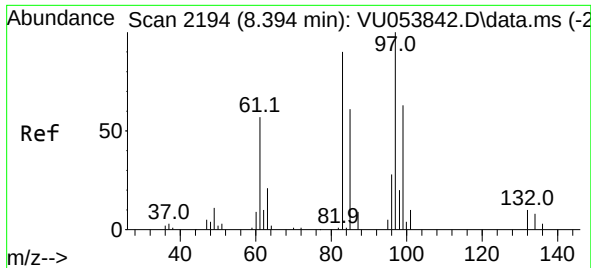
Tgt Ion: 75 Resp: 56731

Ion Ratio Lower Upper

75 100

77 32.5 23.3 43.3

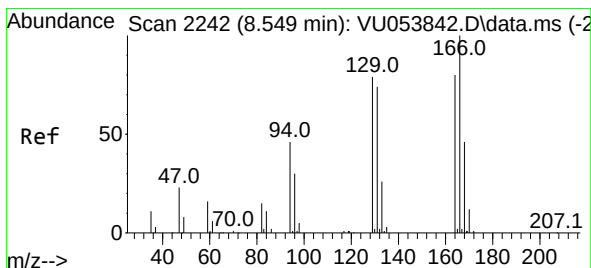
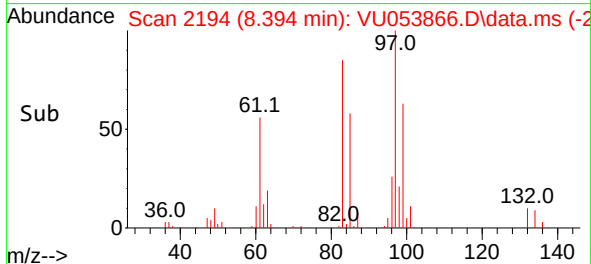
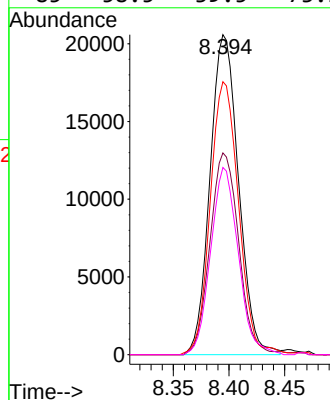
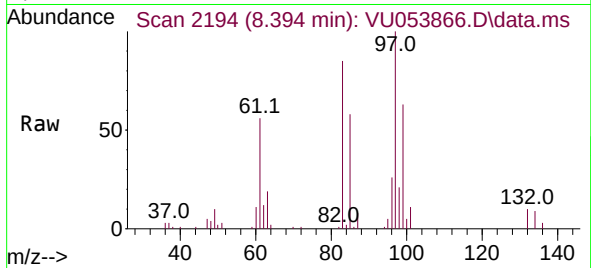




#45
 1,1,2-Trichloroethane
 Concen: 5.347 ug/L
 RT: 8.394 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

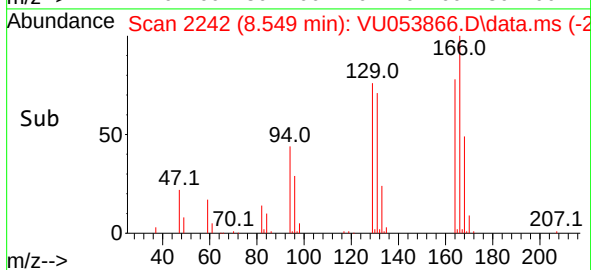
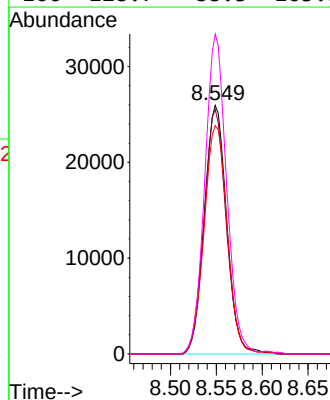
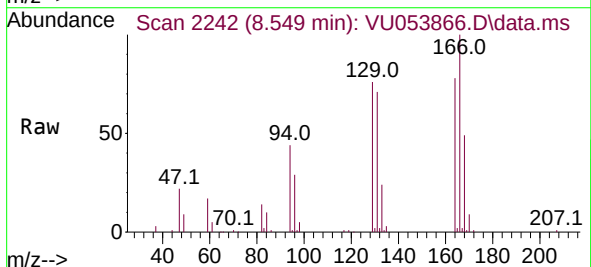
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

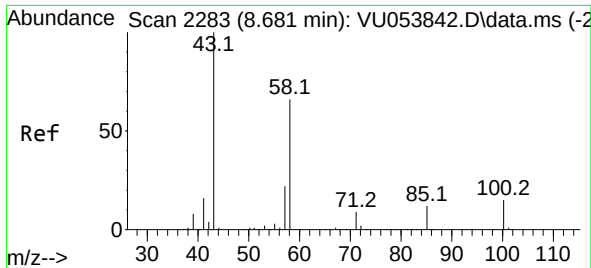
Tgt Ion:	97	Resp:	36715
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	83.1
83	85.3	59.8	111.1
85	58.5	39.5	73.3



#47
 Tetrachloroethene
 Concen: 5.499 ug/L
 RT: 8.549 min Scan# 2242
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

Tgt Ion:	164	Resp:	43855
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.3	126.8
131	91.8	64.4	119.6
166	128.7	88.3	163.9

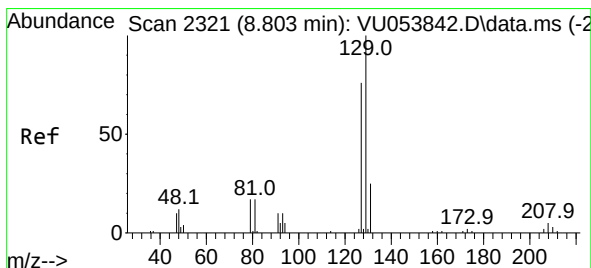
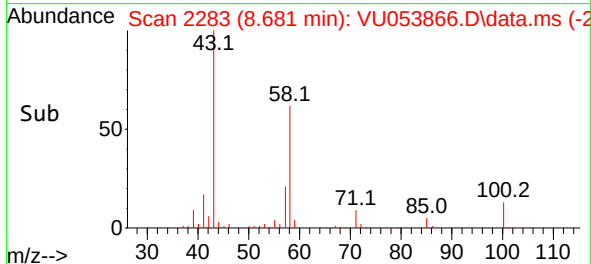
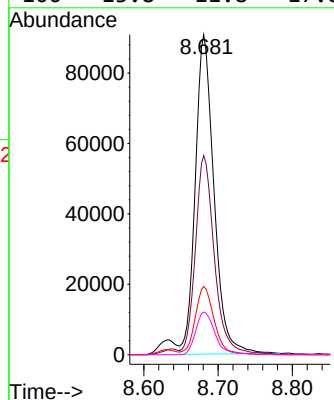
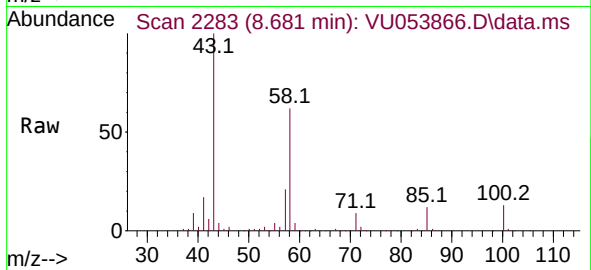




#48
2-Hexanone
Concen: 50.621 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

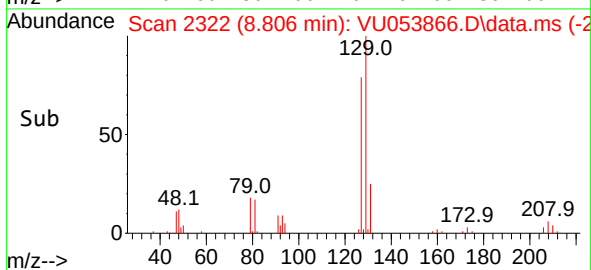
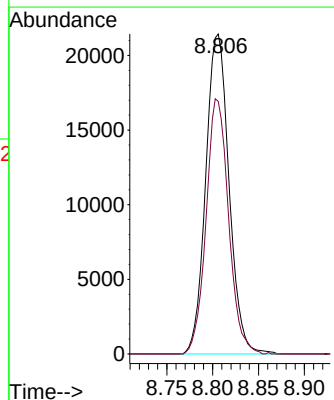
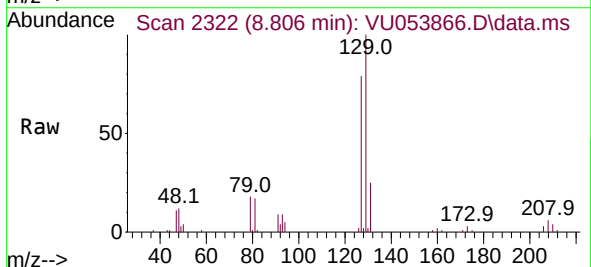
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

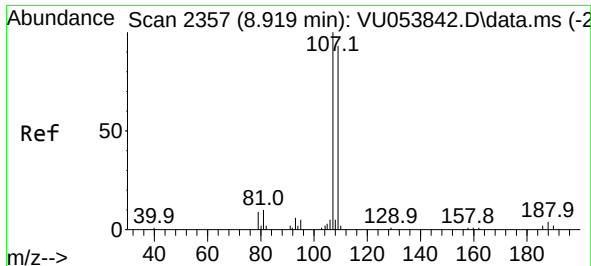
Tgt Ion:	43	Resp:	159016
Ion	Ratio	Lower	Upper
43	100		
58	63.0	49.8	74.6
57	21.7	16.9	25.3
100	13.8	11.8	17.8



#49
Dibromochloromethane
Concen: 5.220 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion:	129	Resp:	37957
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.505 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

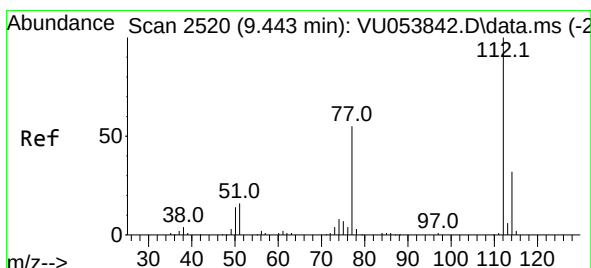
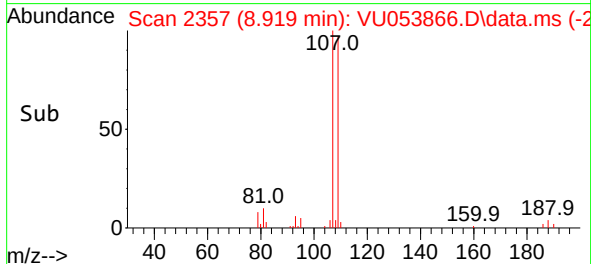
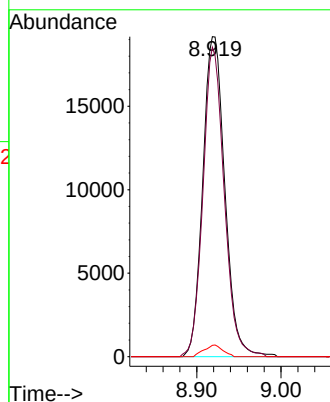
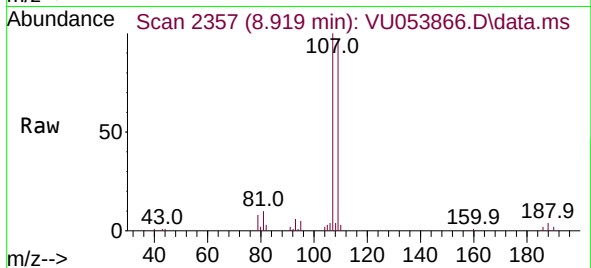
Tgt Ion:107 Resp: 34973

Ion Ratio Lower Upper

107 100

109 96.7 64.3 119.5

188 3.6 2.1 3.1#



#51

Chlorobenzene

Concen: 5.178 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

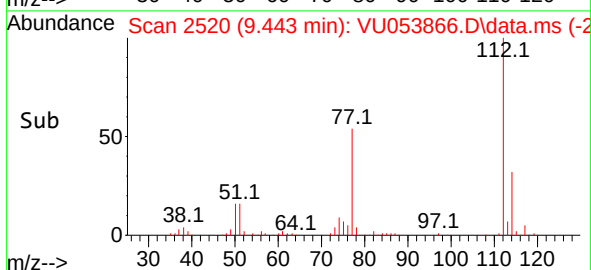
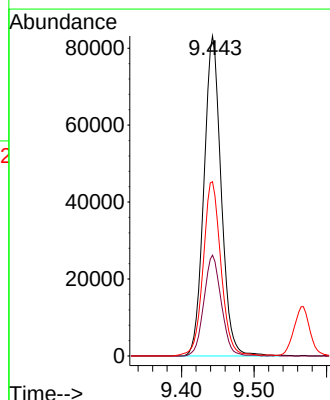
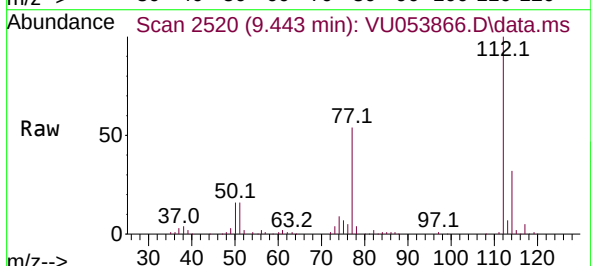
Tgt Ion:112 Resp: 137658

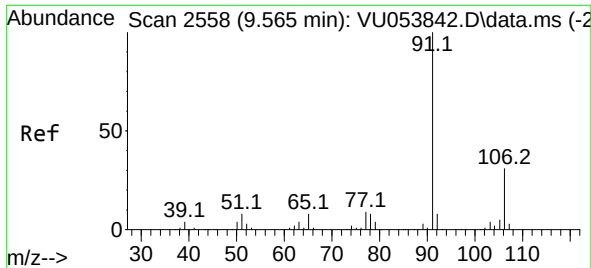
Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 54.4 44.4 66.6

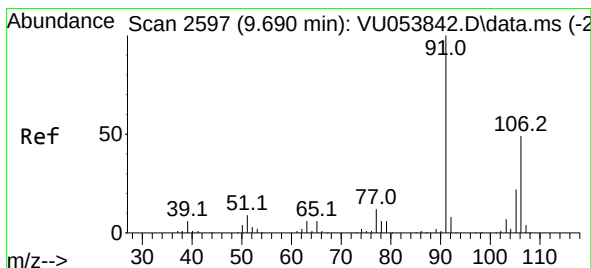
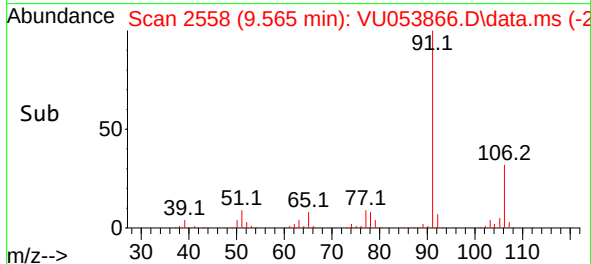
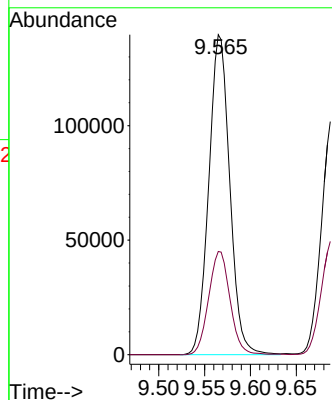
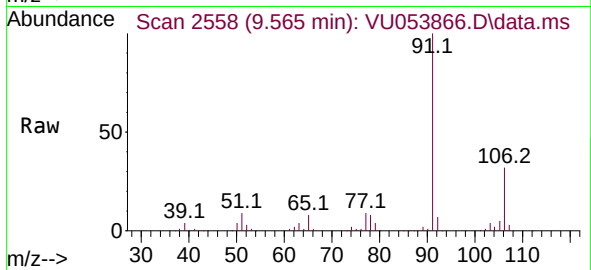




#52
Ethylbenzene
Concen: 5.158 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

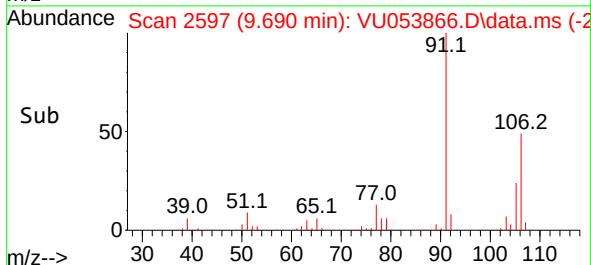
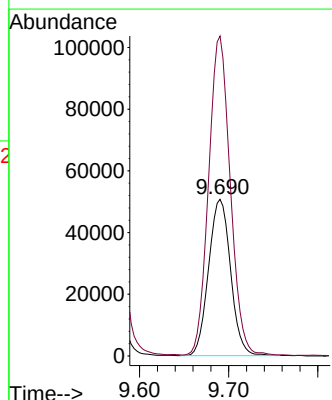
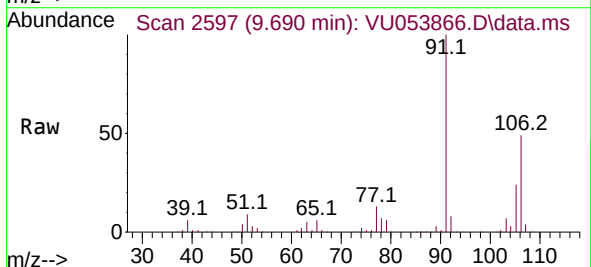
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

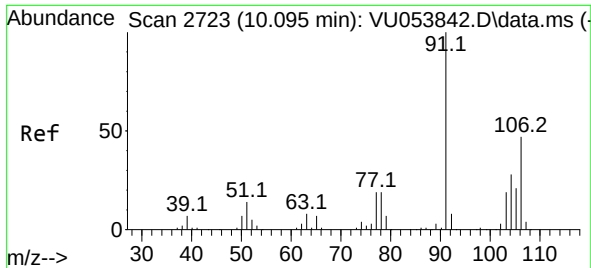
Tgt Ion: 91 Resp: 221799
Ion Ratio Lower Upper
91 100
106 32.2 22.8 42.4



#53
m,p-Xylene
Concen: 5.266 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion: 106 Resp: 86780
Ion Ratio Lower Upper
106 100
91 204.2 142.2 264.0

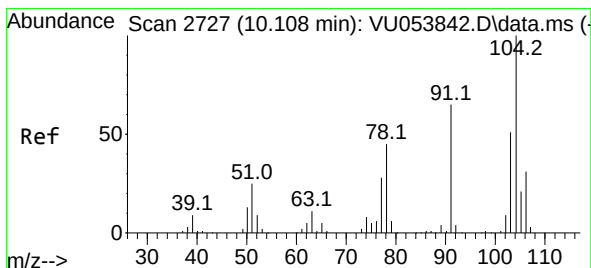
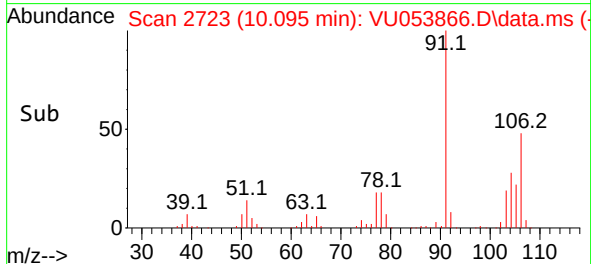
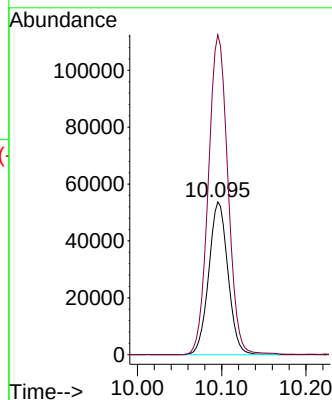
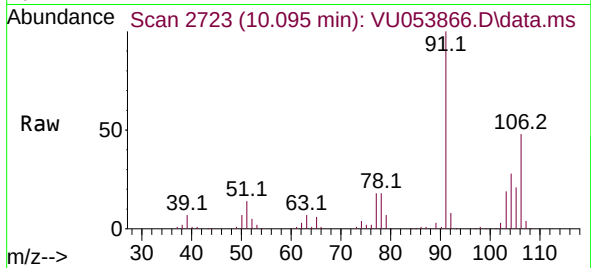




#54
o-Xylene
Concen: 5.354 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

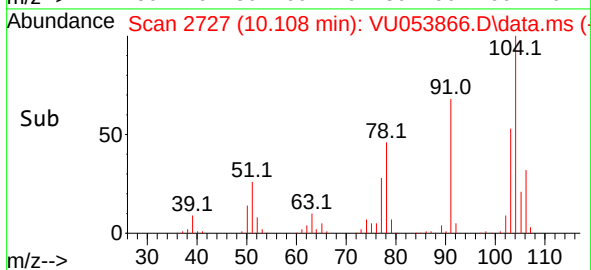
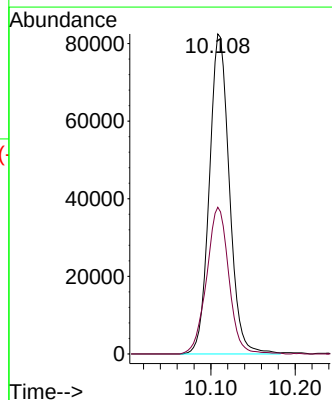
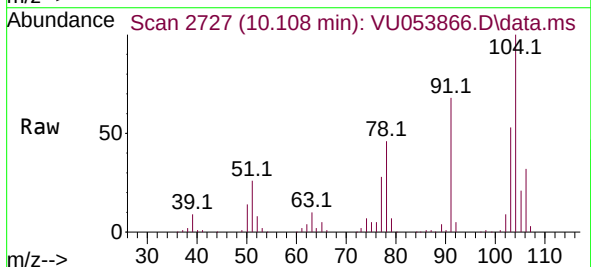
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

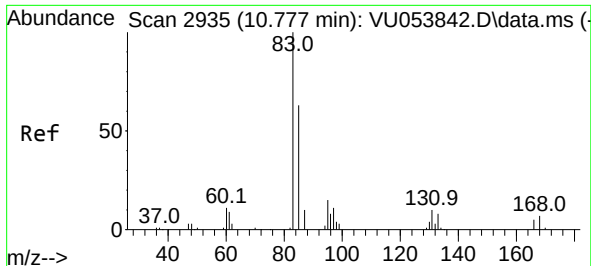
Tgt Ion:106 Resp: 85133
Ion Ratio Lower Upper
106 100
91 209.4 145.5 270.1



#55
Styrene
Concen: 5.235 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion:104 Resp: 136187
Ion Ratio Lower Upper
104 100
78 45.8 30.9 57.5

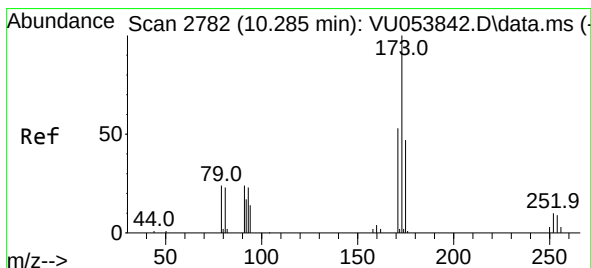
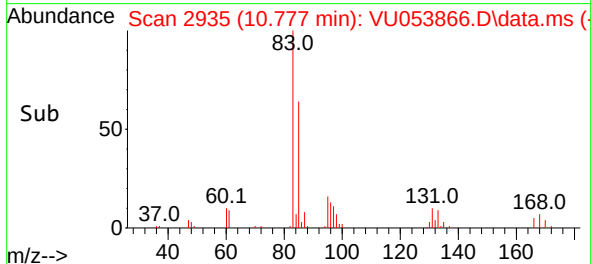
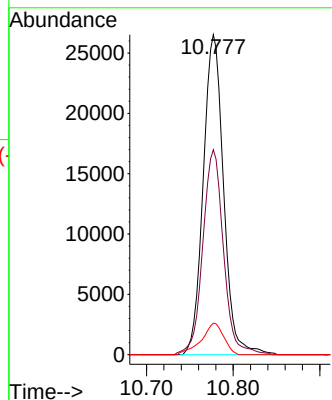
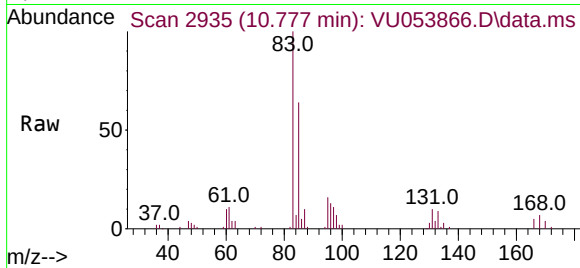




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.288 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

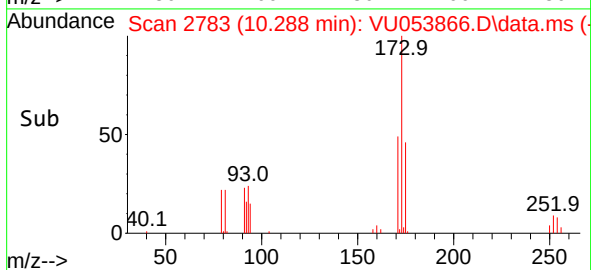
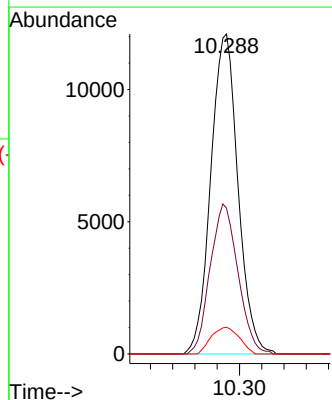
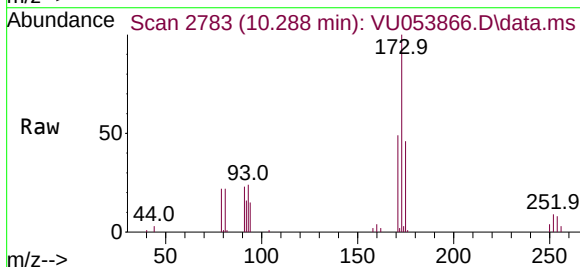
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

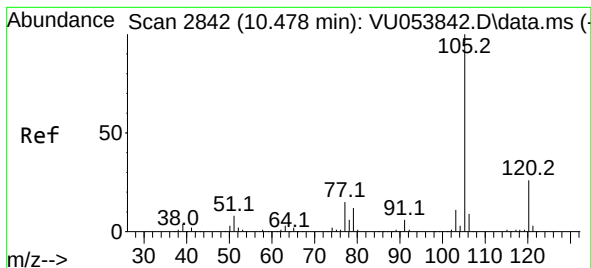
Tgt Ion: 83 Resp: 43297
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.5 80.9
 131 9.9 7.8 11.6



#59
 Bromoform
 Concen: 4.983 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

Tgt Ion:173 Resp: 20513
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.4 56.2
 254 8.6 7.1 10.7





#60

Isopropylbenzene

Concen: 5.141 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

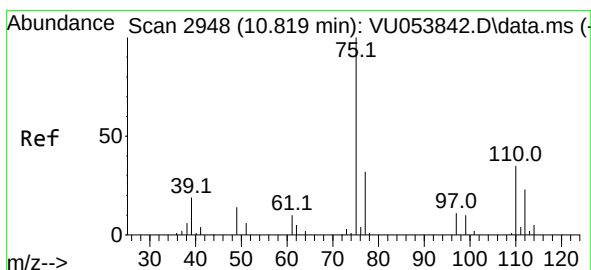
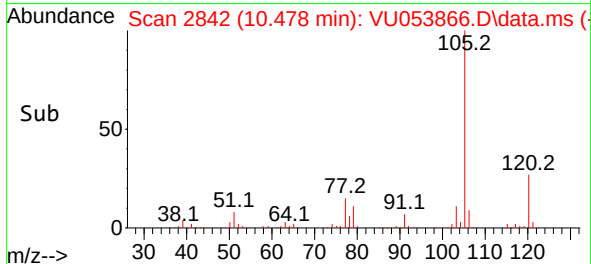
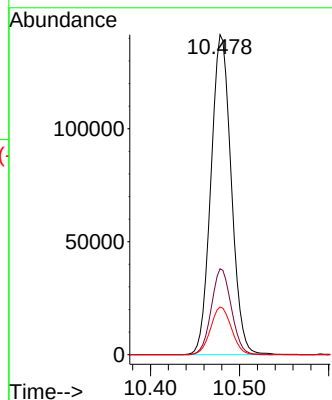
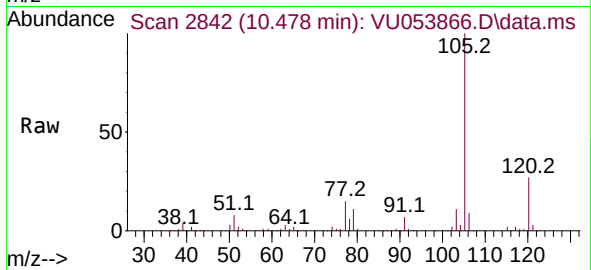
Tgt Ion:105 Resp: 223790

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

77 15.3 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.141 ug/L

RT: 10.816 min Scan# 2947

Delta R.T. -0.003 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

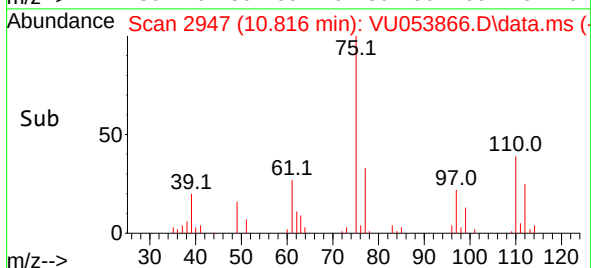
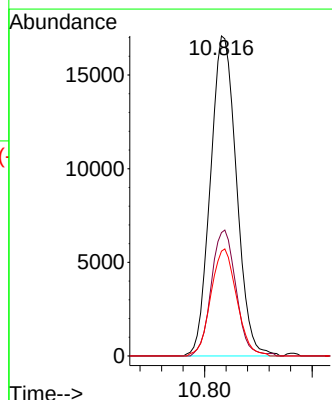
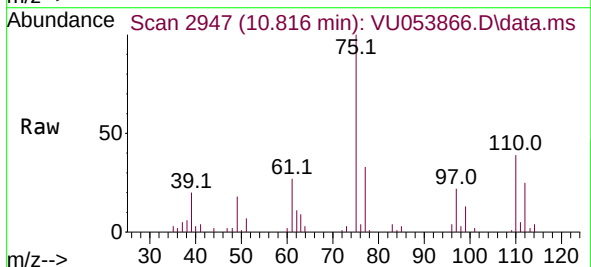
Tgt Ion: 75 Resp: 28701

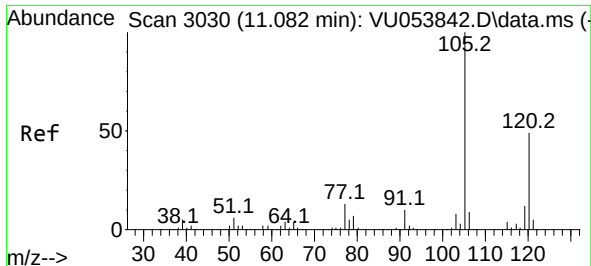
Ion Ratio Lower Upper

75 100

110 37.4 30.7 46.1

77 33.2 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.115 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

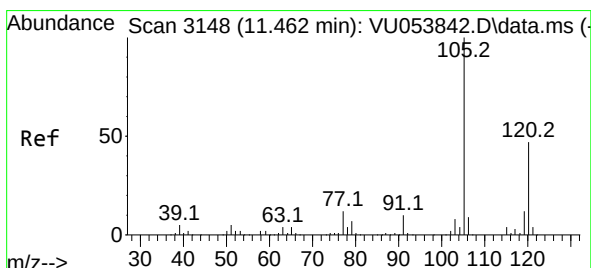
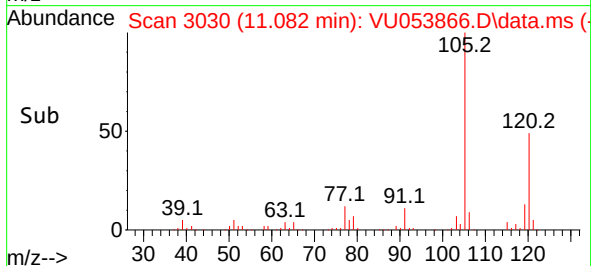
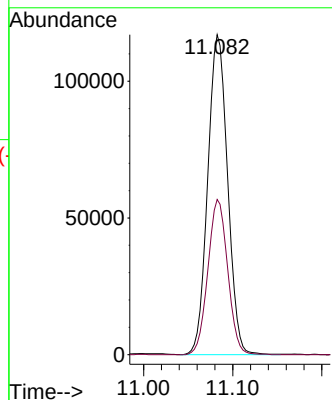
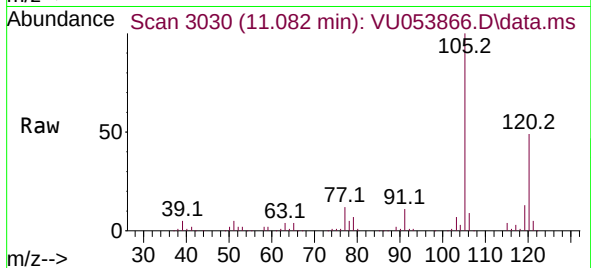
VSTD005158

Tgt Ion:105 Resp: 181027

Ion Ratio Lower Upper

105 100

120 48.4 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.100 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053866.D

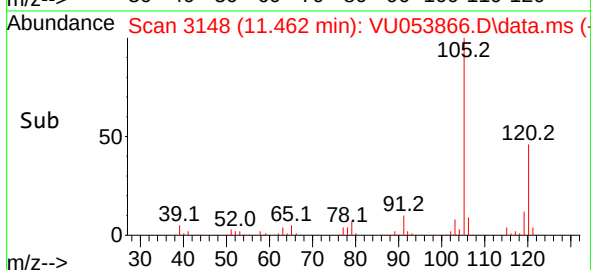
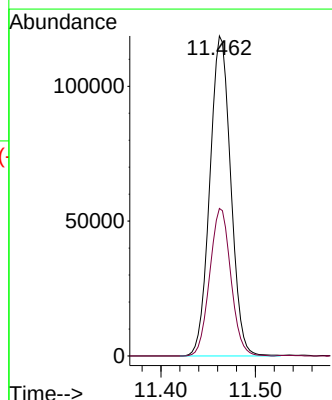
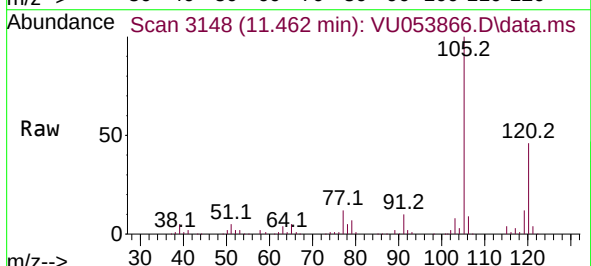
Acq: 25 Apr 2023 00:58

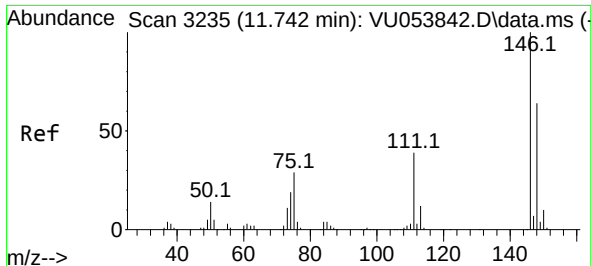
Tgt Ion:105 Resp: 182613

Ion Ratio Lower Upper

105 100

120 46.4 37.1 55.7

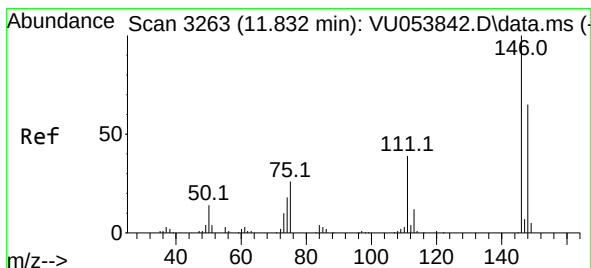
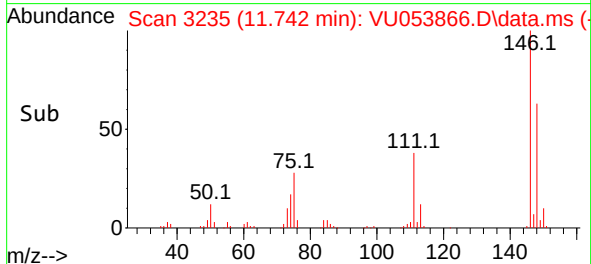
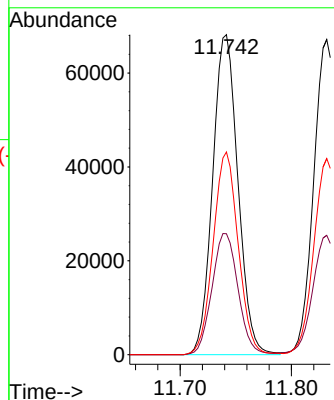
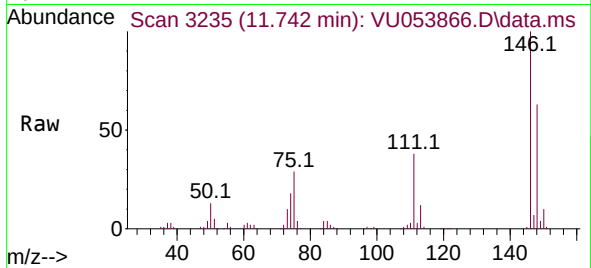




#64
1,3-Dichlorobenzene
Concen: 4.945 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

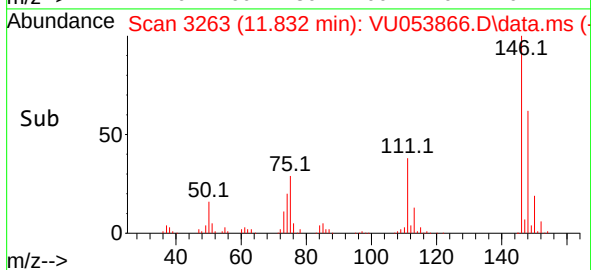
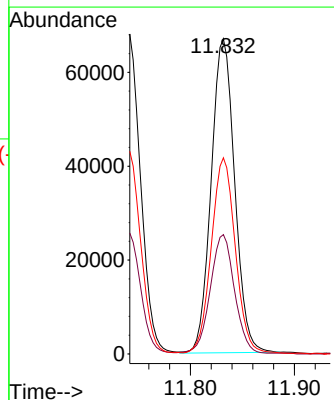
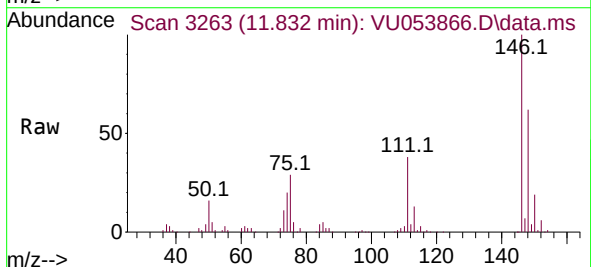
Instrument :
MSVOA_U
ClientSampleId :
VSTD005158

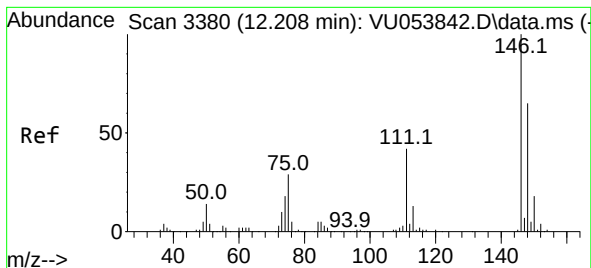
Tgt Ion:146 Resp: 107568
Ion Ratio Lower Upper
146 100
111 37.8 27.9 51.9
148 63.4 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.780 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053866.D
Acq: 25 Apr 2023 00:58

Tgt Ion:146 Resp: 105078
Ion Ratio Lower Upper
146 100
111 37.9 28.3 52.7
148 62.2 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.933 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

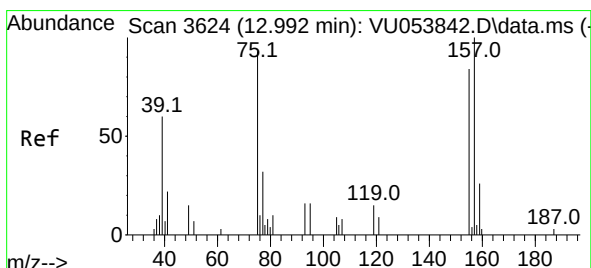
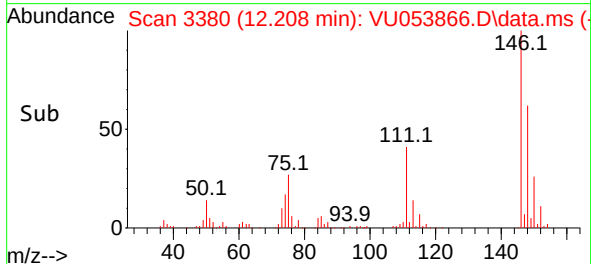
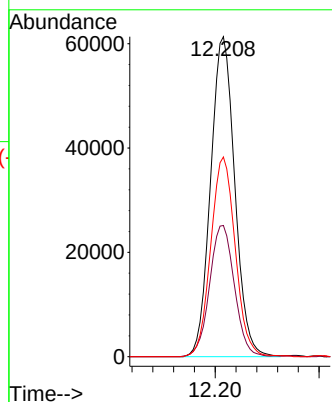
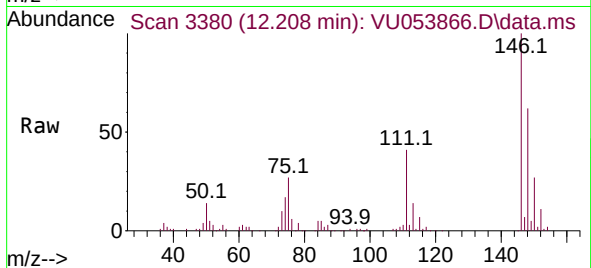
Tgt Ion:146 Resp: 99118

Ion Ratio Lower Upper

146 100

111 41.0 32.6 49.0

148 62.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.822 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

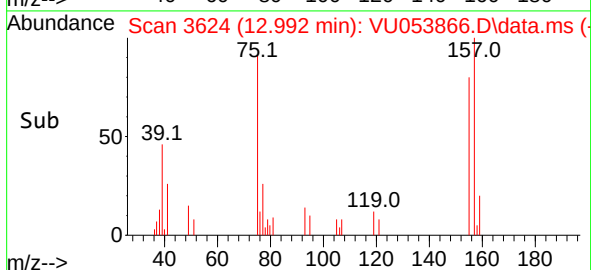
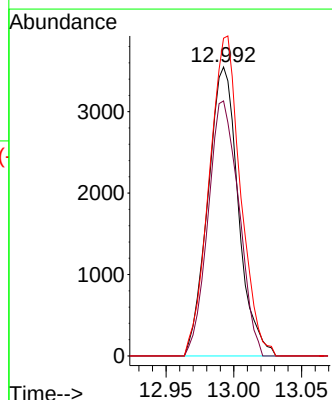
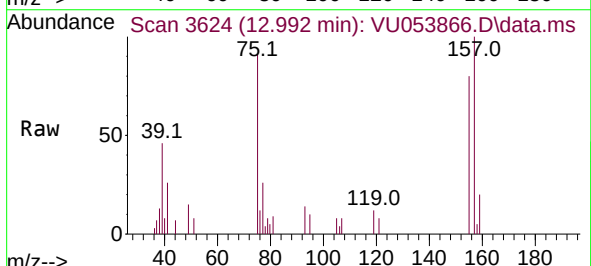
Tgt Ion: 75 Resp: 5548

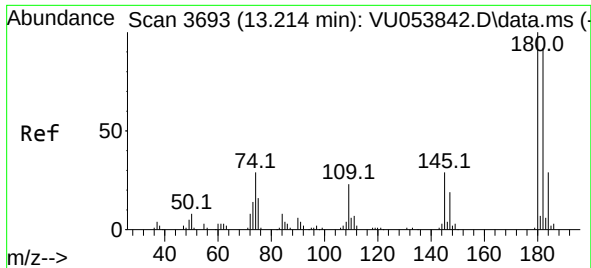
Ion Ratio Lower Upper

75 100

155 88.3 72.8 109.2

157 110.0 89.1 133.7

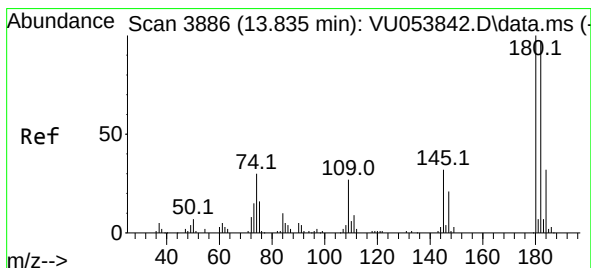
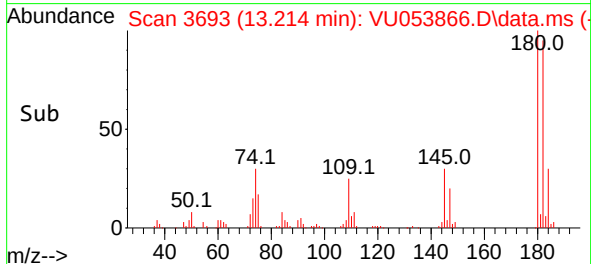
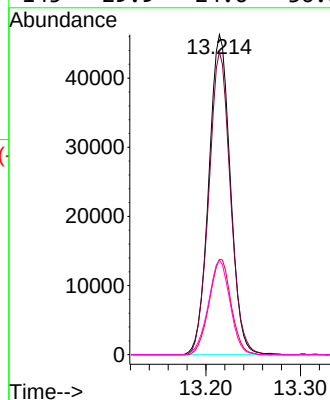
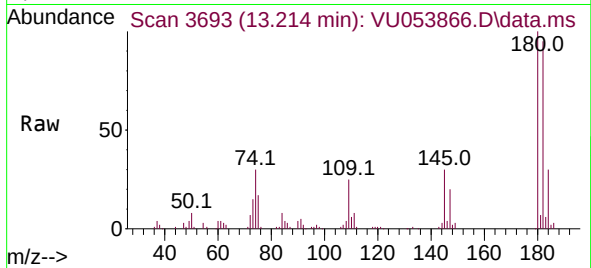




#69
 1,3,5-Trichlorobenzene
 Concen: 4.690 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

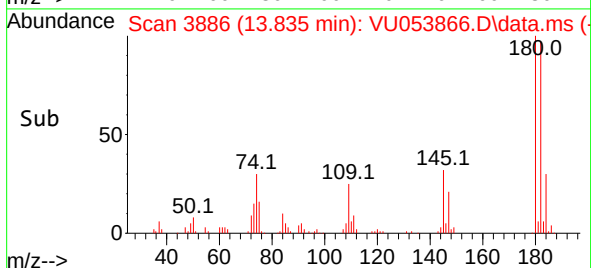
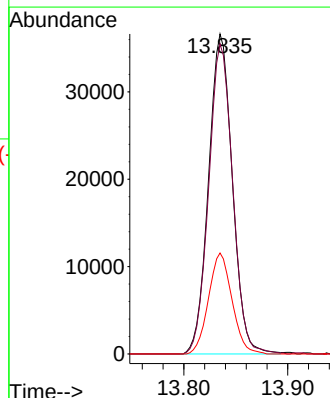
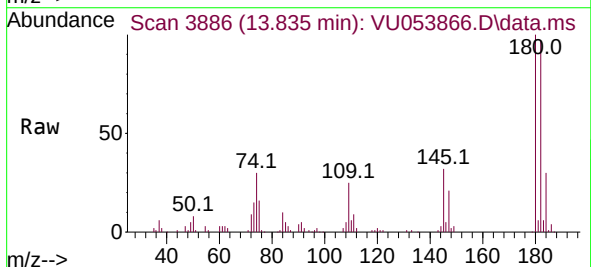
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

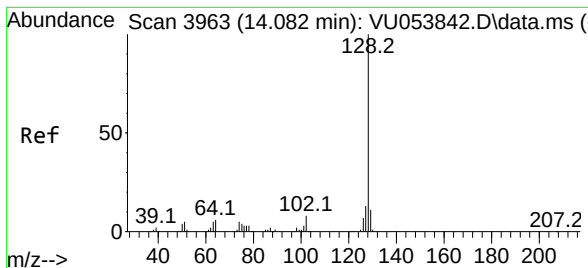
Tgt Ion:	180	Resp:	73063
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.1	112.7
184	30.3	24.2	36.2
145	29.9	24.6	36.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.113 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053866.D
 Acq: 25 Apr 2023 00:58

Tgt Ion:	180	Resp:	58326
Ion Ratio	Lower	Upper	
180	100		
182	97.3	75.5	113.3
145	31.0	25.8	38.6





#71

Naphthalene

Concen: 3.848 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005158

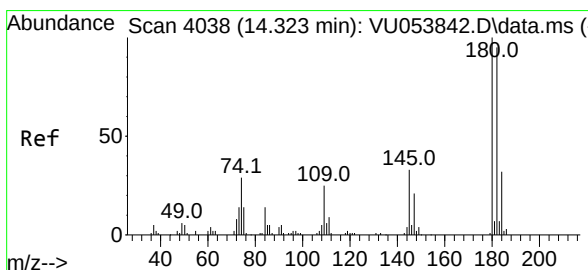
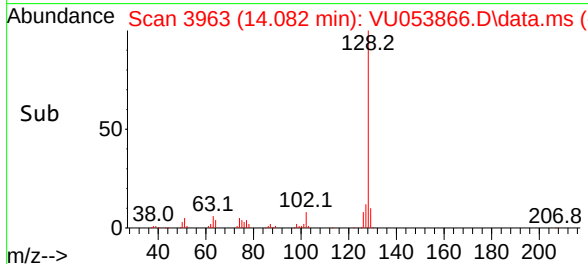
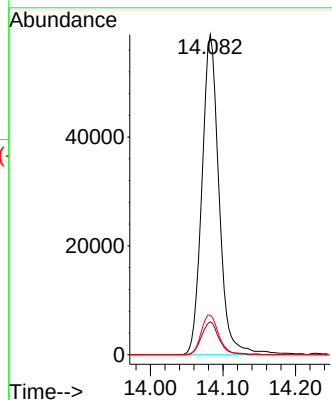
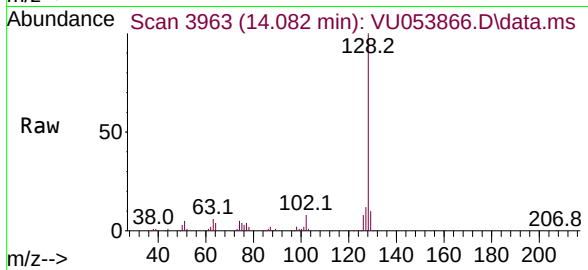
Tgt Ion:128 Resp: 96449

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

127 12.8 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 4.240 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053866.D

Acq: 25 Apr 2023 00:58

Tgt Ion:180 Resp: 53645

Ion Ratio Lower Upper

180 100

182 92.3 77.4 116.2

145 32.9 26.8 40.2

