

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053873.D
 Acq On : 25 Apr 2023 04:11
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005159

Quant Time: Apr 25 06:25:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 06:22:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	141383	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	135812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	73723	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	42264	4.908	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.916	69	36007	4.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.568	65	17198	4.853	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.636	46	82003	51.991	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.980%
24) Chloroform-d	5.060	84	85132	5.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.700	65	39611	5.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.723	84	164030	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.687	67	49688	5.134	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.893	98	156508	5.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	8.176	79	18044	4.740	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.629	63	71039	52.733	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.460%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38750	4.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	56821	4.805	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	55102	5.253	ug/L	97
3) Chloromethane	1.520	50	51924	5.098	ug/L	96
5) Vinyl chloride	1.604	62	61734	5.253	ug/L	98
6) Bromomethane	1.858	94	40052	5.237	ug/L	94
8) Chloroethane	1.935	64	37364	5.094	ug/L	97
9) Trichlorofluoromethane	2.141	101	90307	5.205	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	52622	5.219	ug/L	99
12) 1,1-Dichloroethene	2.581	96	46428	5.221	ug/L	96
13) Acetone	2.652	43	57132	44.667	ug/L	96
14) Carbon disulfide	2.793	76	120770	4.956	ug/L	98
15) Methyl Acetate	2.954	43	13713	4.968	ug/L	97
16) Methylene chloride	3.044	84	52454	4.322	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	102571	5.324	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	46433	5.167	ug/L	95
19) 1,1-Dichloroethane	3.867	63	86549	5.322	ug/L	99
21) 2-Butanone	4.719	43	92605	52.303	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	53380	5.266	ug/L	98
23) Bromochloromethane	4.967	128	24427	5.415	ug/L	97
25) Chloroform	5.083	83	96057	5.439	ug/L	100

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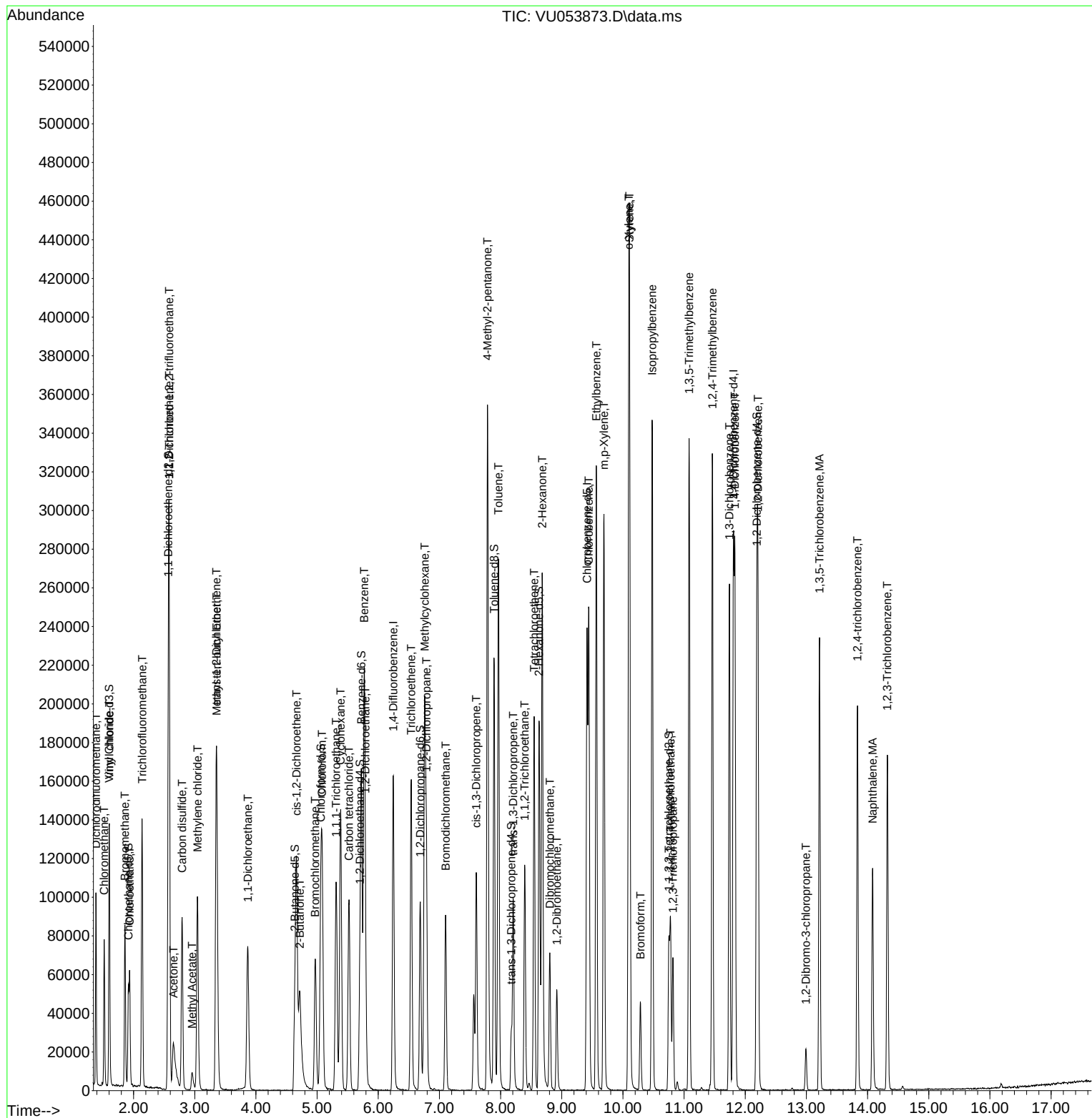
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53150	5.250	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	80241	5.256	ug/L	100
30) Cyclohexane	5.385	56	69942	5.099	ug/L	99
31) Carbon tetrachloride	5.520	117	69650	5.248	ug/L	98
33) Benzene	5.771	78	199974	5.224	ug/L	100
34) Trichloroethene	6.539	95	54198	5.195	ug/L	96
35) Methylcyclohexane	6.761	83	82853	5.142	ug/L	99
37) 1,2-Dichloropropane	6.787	63	50572	5.325	ug/L	99
38) Bromodichloromethane	7.102	83	60529	5.098	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	71992	5.027	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	224910	52.495	ug/L	99
42) Toluene	7.964	91	216498	5.333	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	59066	5.100	ug/L	95
45) 1,1,2-Trichloroethane	8.395	97	38124	5.355	ug/L	97
47) Tetrachloroethene	8.549	164	43556	5.268	ug/L	97
48) 2-Hexanone	8.681	43	161975	49.739	ug/L	98
49) Dibromochloromethane	8.806	129	38338	5.086	ug/L	96
50) 1,2-Dibromoethane	8.919	107	35230	5.350	ug/L	99
51) Chlorobenzene	9.443	112	141494	5.134	ug/L	98
52) Ethylbenzene	9.565	91	230795	5.177	ug/L	100
53) m,p-Xylene	9.690	106	89868	5.261	ug/L	97
54) o-Xylene	10.095	106	86538	5.250	ug/L	95
55) Styrene	10.108	104	144739	5.367	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	44283	5.217	ug/L	97
59) Bromoform	10.288	173	20414	4.870	ug/L	94
60) Isopropylbenzene	10.478	105	227270	5.127	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	29588	5.205	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	184736	5.126	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	189736	5.203	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	109719	4.953	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	109268	4.881	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	102163	4.993	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5775	4.929	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	75633	4.768	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	62411	4.322	ug/L	99
71) Naphthalene	14.082	128	99892	3.913	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	54757	4.250	ug/L	98

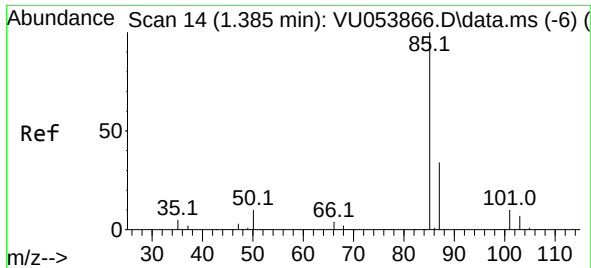
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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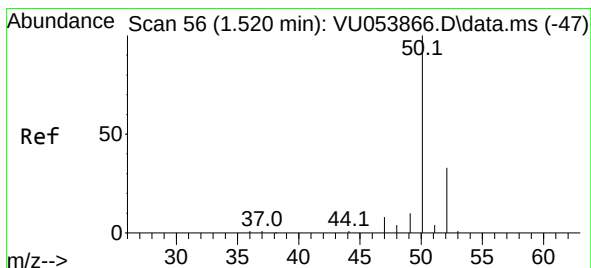
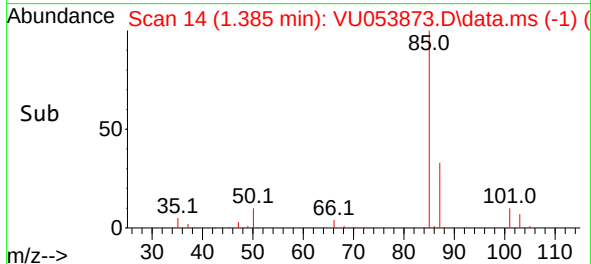
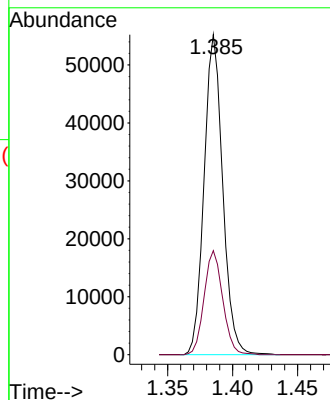
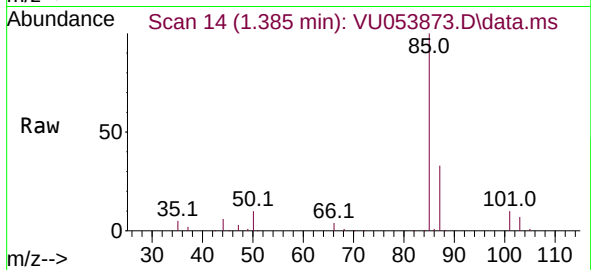




#2
Dichlorodifluoromethane
Concen: 5.253 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

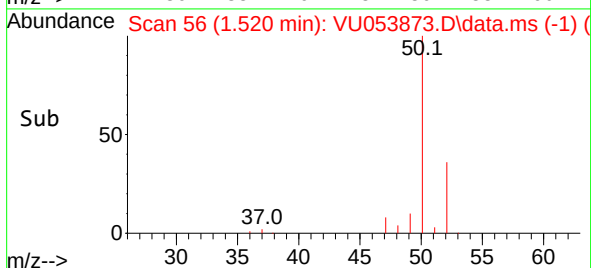
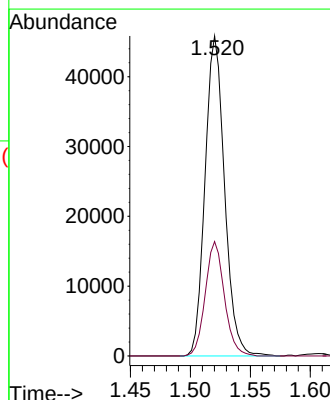
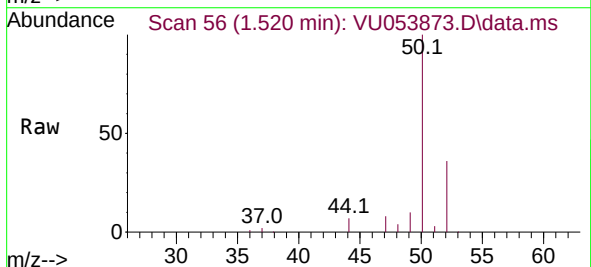
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MSVOA_U
ClientSampleId :
VSTD005159

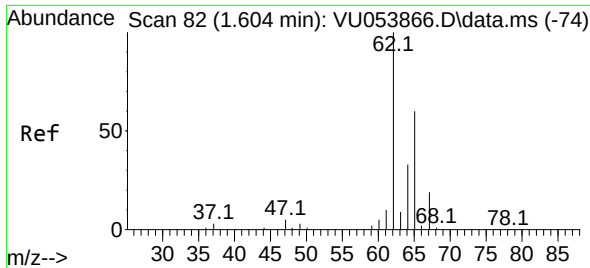
Tgt Ion: 85 Resp: 55102
Ion Ratio Lower Upper
85 100
87 32.4 24.5 36.7



#3
Chloromethane
Concen: 5.098 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 50 Resp: 51924
Ion Ratio Lower Upper
50 100
52 35.8 23.4 43.6

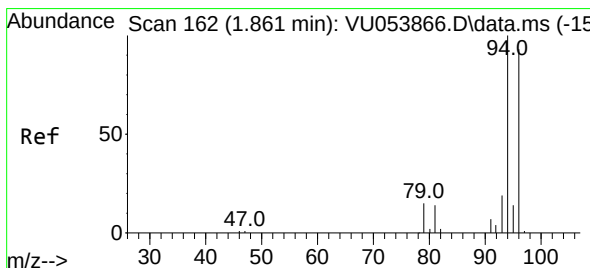
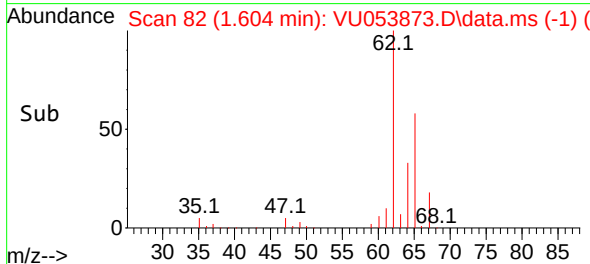
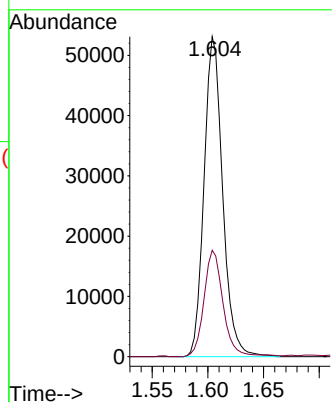
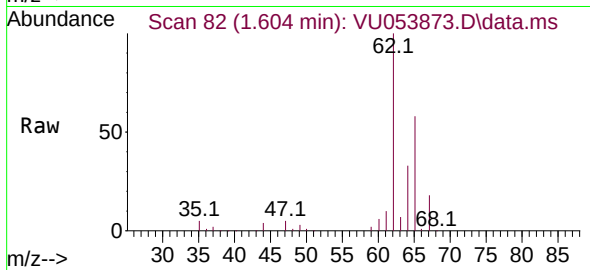




#5
 Vinyl chloride
 Concen: 5.253 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

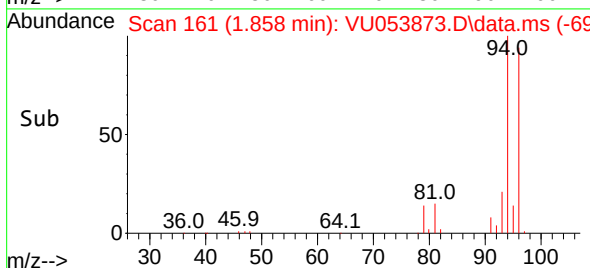
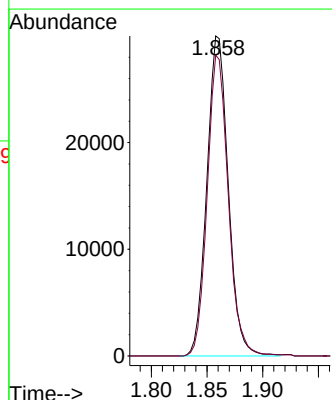
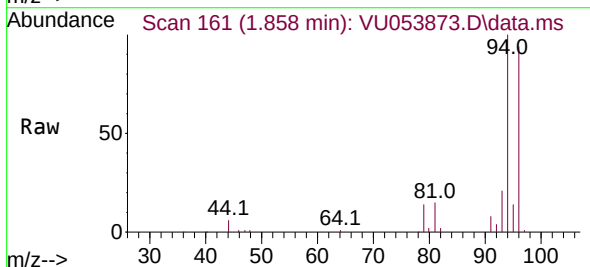
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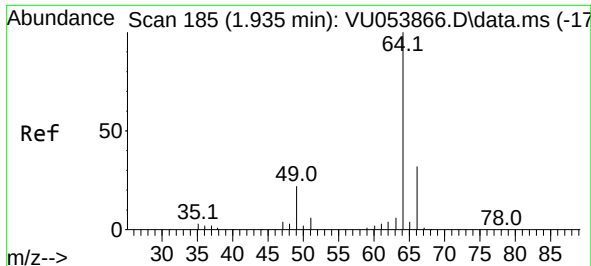
Tgt Ion: 62 Resp: 61734
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.4 41.6



#6
 Bromomethane
 Concen: 5.237 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

Tgt Ion: 94 Resp: 40052
 Ion Ratio Lower Upper
 94 100
 96 94.0 61.9 114.9

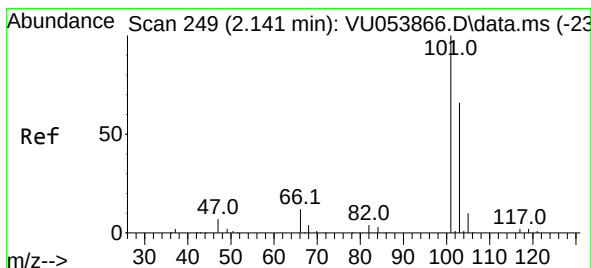
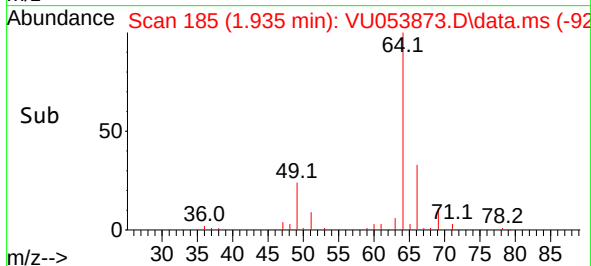
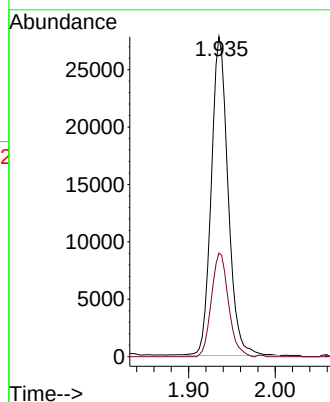
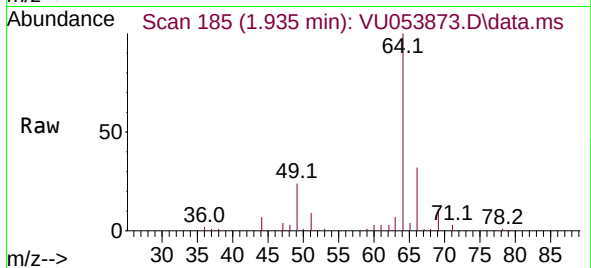




#8
Chloroethane
Concen: 5.094 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

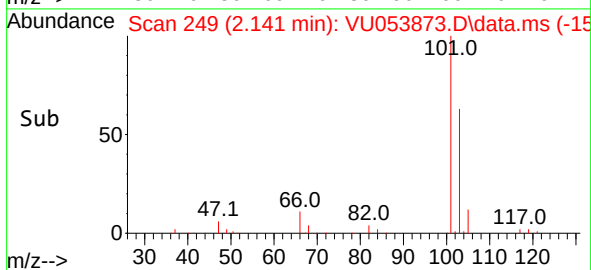
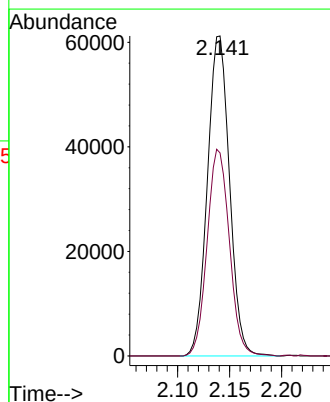
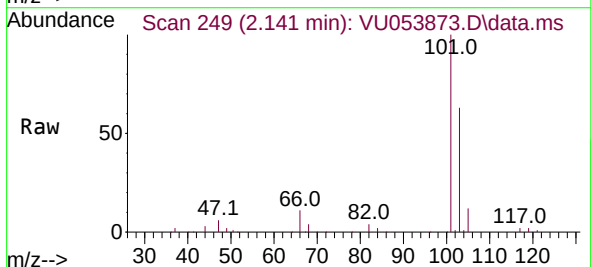
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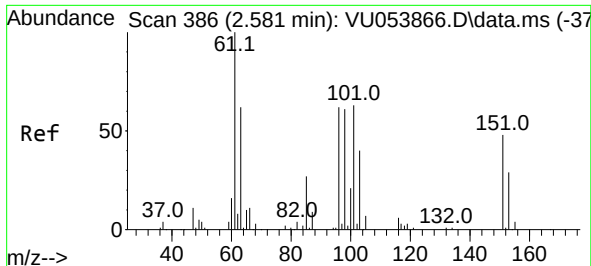
Tgt Ion: 64 Resp: 37364
Ion Ratio Lower Upper
64 100
66 32.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 5.205 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion:101 Resp: 90307
Ion Ratio Lower Upper
101 100
103 65.1 52.6 78.8

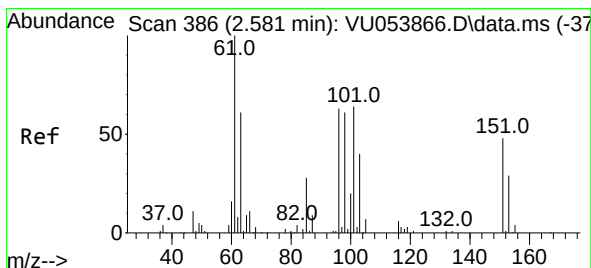
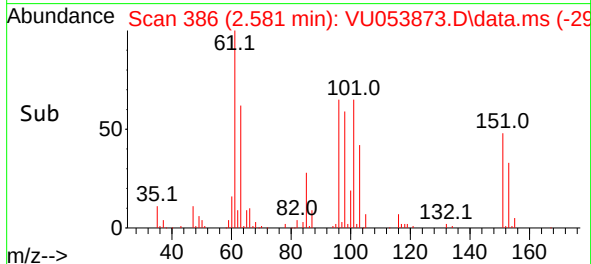
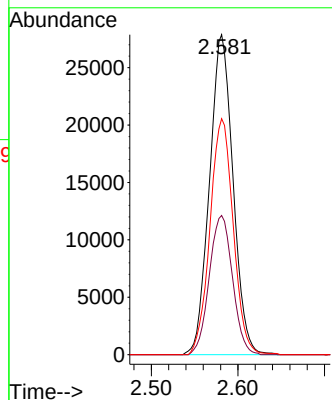
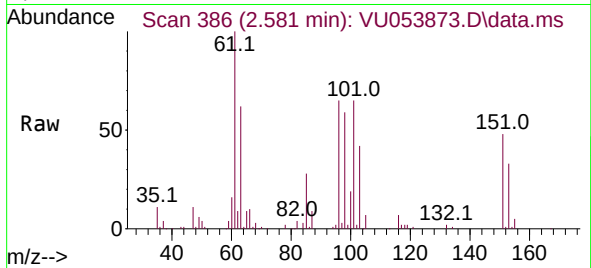




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.219 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053873.D
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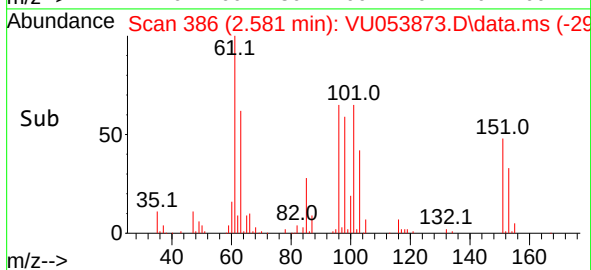
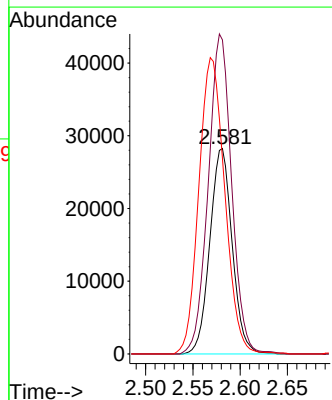
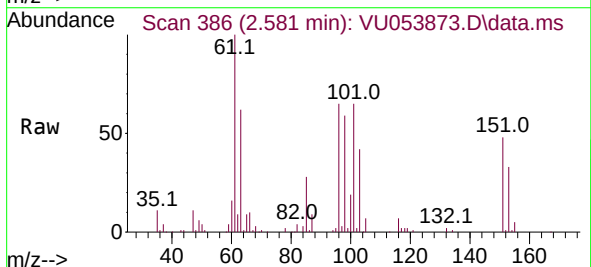
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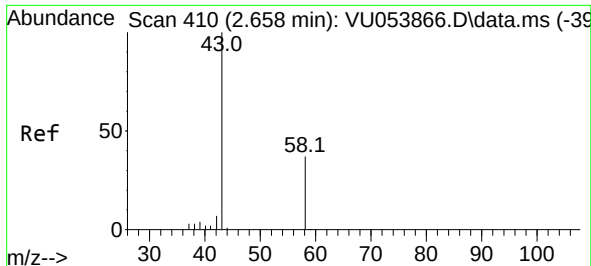
Tgt Ion:101 Resp: 52622
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.7 52.1
 151 73.1 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 5.221 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

Tgt Ion: 96 Resp: 46428
 Ion Ratio Lower Upper
 96 100
 61 152.9 111.5 207.1
 63 95.3 68.7 127.7





#13

Acetone

Concen: 44.667 ug/L

RT: 2.652 min Scan# 410

Delta R.T. -0.006 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

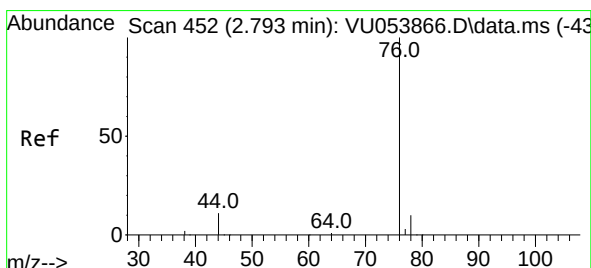
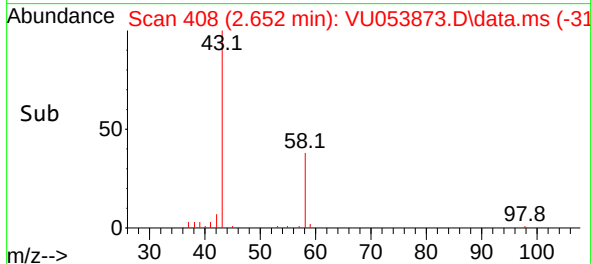
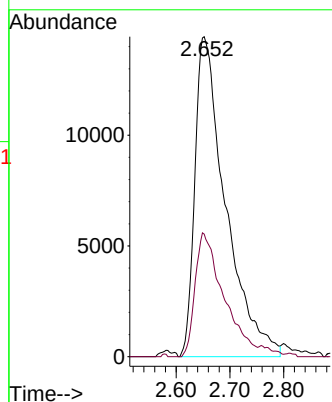
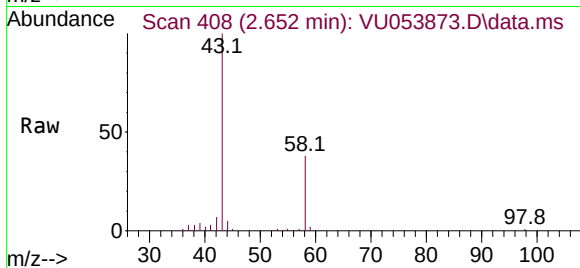
VSTD005159

Tgt Ion: 43 Resp: 57132

Ion Ratio Lower Upper

43 100

58 35.9 0.0 76.2



#14

Carbon disulfide

Concen: 4.956 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053873.D

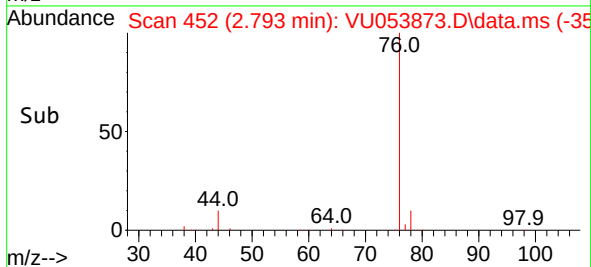
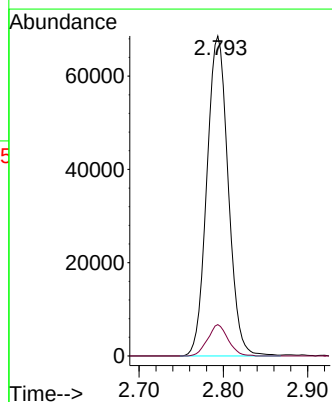
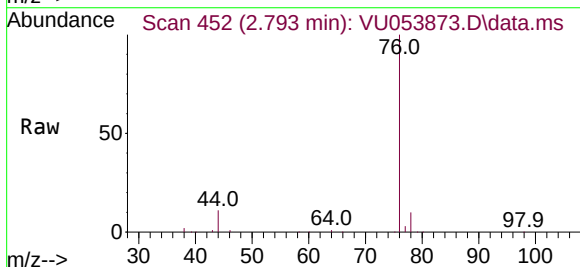
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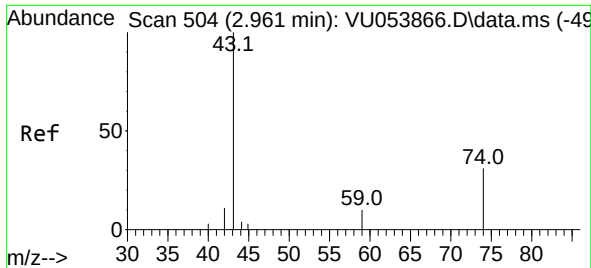
Tgt Ion: 76 Resp: 120770

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9

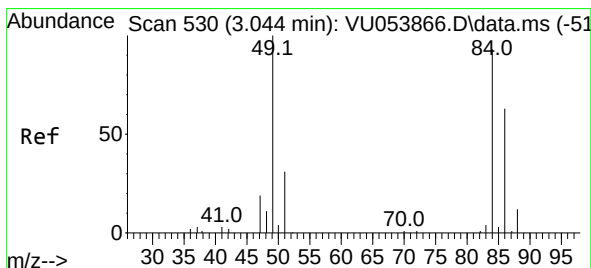
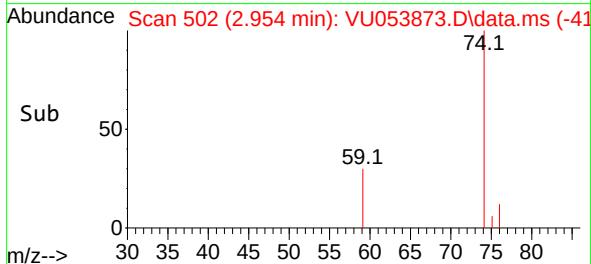
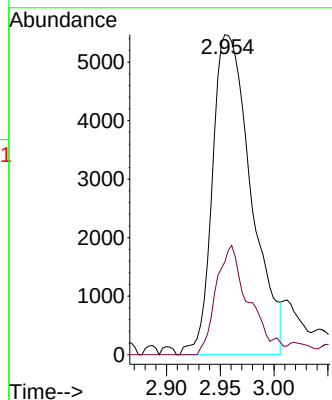
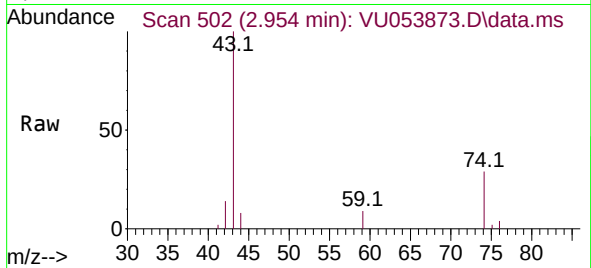




#15
Methyl Acetate
Concen: 4.968 ug/L
RT: 2.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

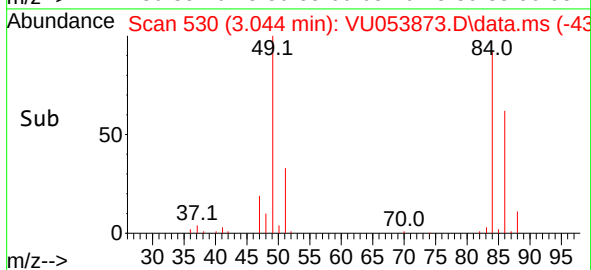
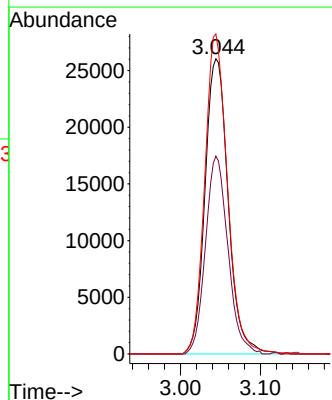
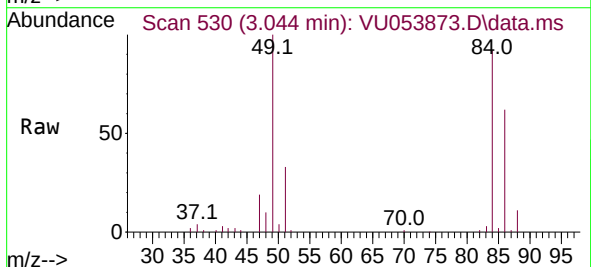
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

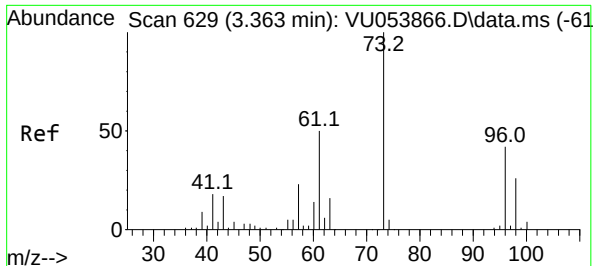
Tgt Ion: 43 Resp: 13713
Ion Ratio Lower Upper
43 100
74 29.1 22.0 33.0



#16
Methylene chloride
Concen: 4.322 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 84 Resp: 52454
Ion Ratio Lower Upper
84 100
86 67.0 45.0 83.6
49 108.4 74.8 138.8





#17

Methyl tert-butyl Ether

Concen: 5.324 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

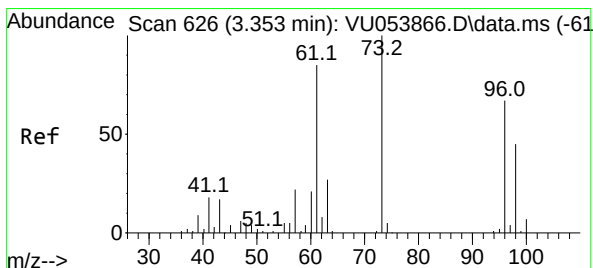
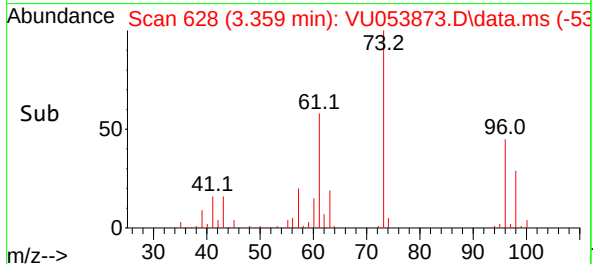
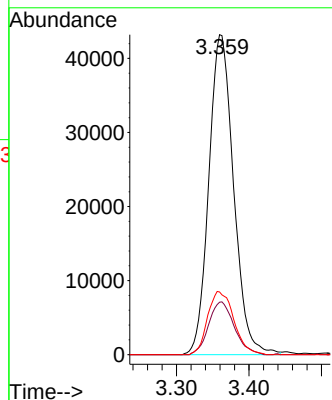
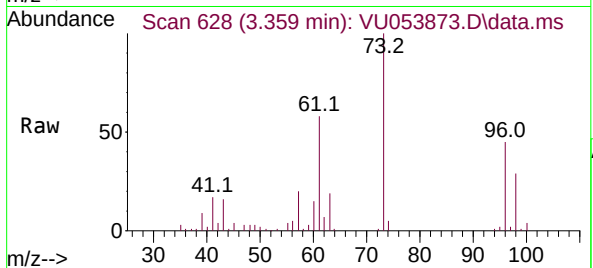
Tgt Ion: 73 Resp: 102571

Ion Ratio Lower Upper

73 100

43 17.1 13.4 20.2

57 20.9 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 5.167 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

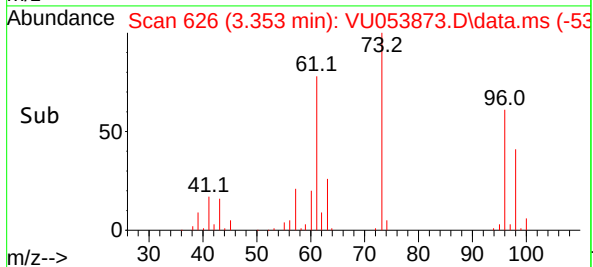
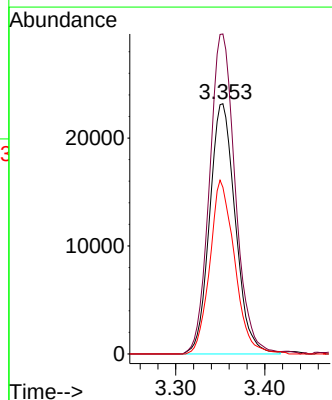
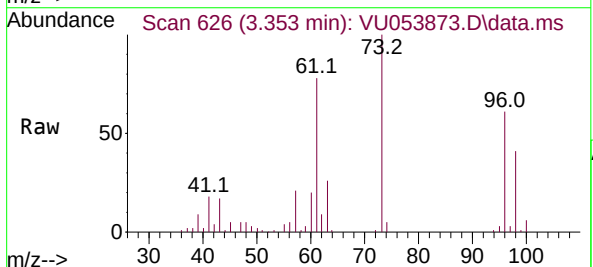
Tgt Ion: 96 Resp: 46433

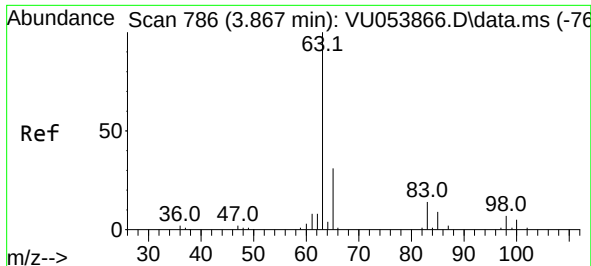
Ion Ratio Lower Upper

96 100

61 127.9 86.2 160.0

98 66.6 42.8 79.4

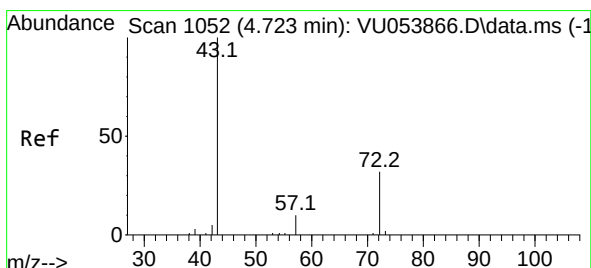
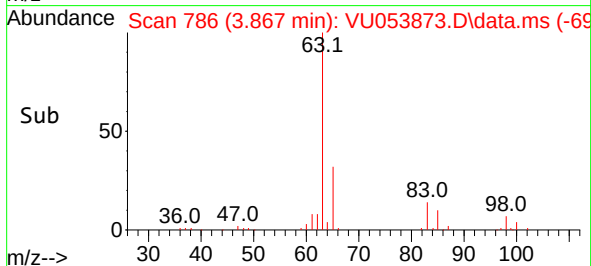
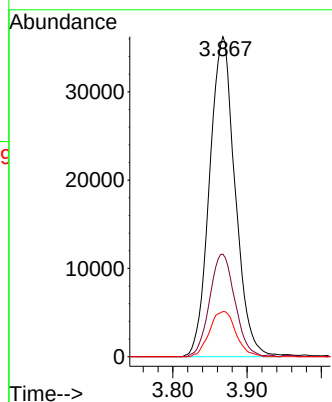
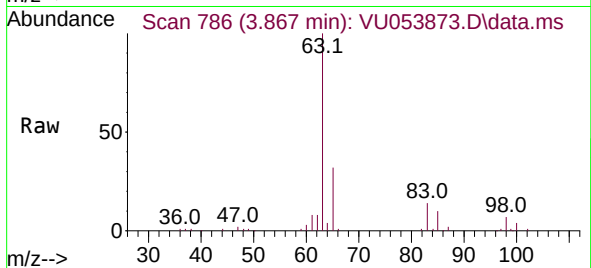




#19
1,1-Dichloroethane
Concen: 5.322 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

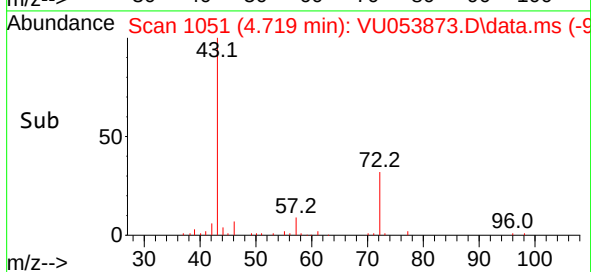
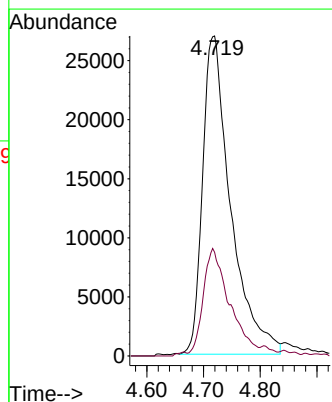
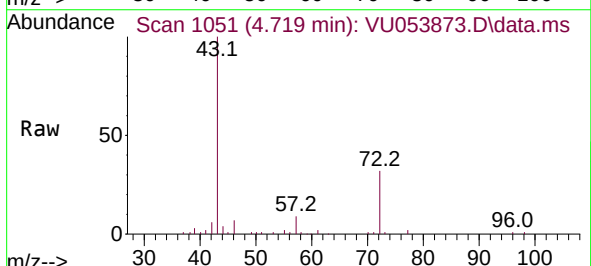
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

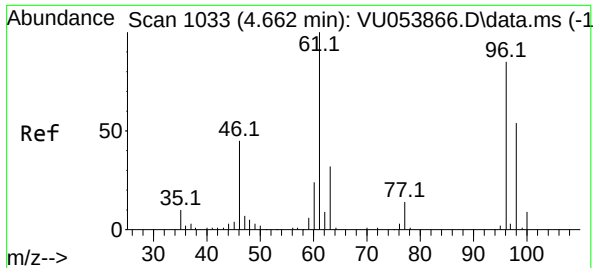
Tgt Ion: 63 Resp: 86549
Ion Ratio Lower Upper
63 100
65 32.1 22.0 40.8
83 14.1 10.3 19.1



#21
2-Butanone
Concen: 52.303 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 43 Resp: 92605
Ion Ratio Lower Upper
43 100
72 30.7 15.7 47.0

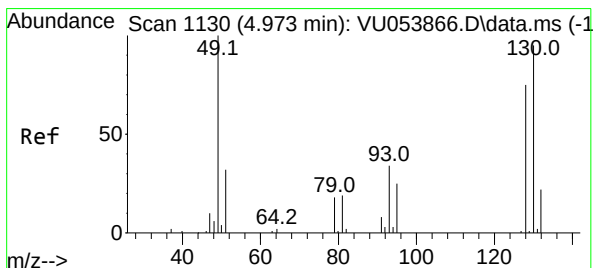
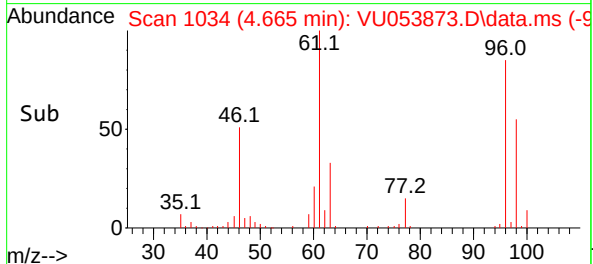
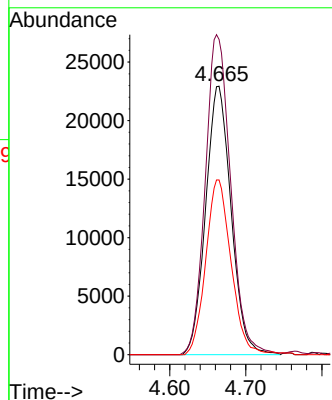
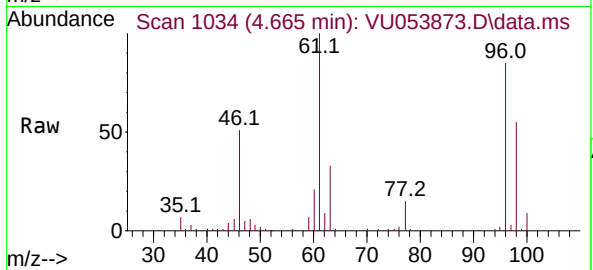




#22
 cis-1,2-Dichloroethene
 Concen: 5.266 ug/L
 RT: 4.665 min Scan# 1128
 Delta R.T. 0.003 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

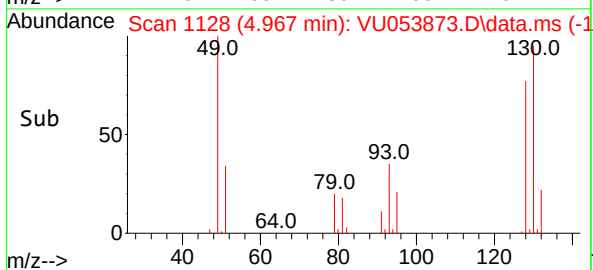
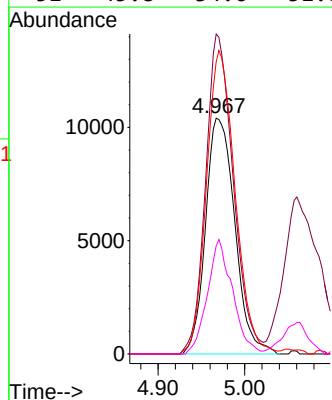
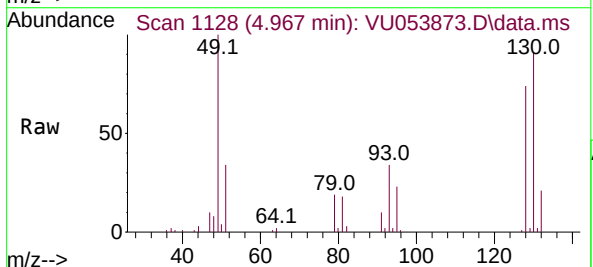
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005159

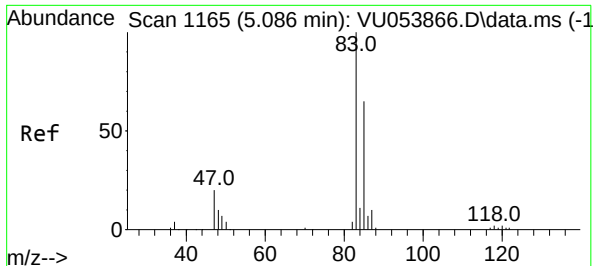
Tgt Ion: 96 Resp: 53380
 Ion Ratio Lower Upper
 96 100
 61 117.4 84.3 156.5
 98 65.1 46.4 86.2



#23
 Bromochloromethane
 Concen: 5.415 ug/L
 RT: 4.967 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

Tgt Ion:128 Resp: 24427
 Ion Ratio Lower Upper
 128 100
 49 135.7 91.3 169.5
 130 123.9 87.6 162.8
 51 45.8 34.6 51.8





#25

Chloroform

Concen: 5.439 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

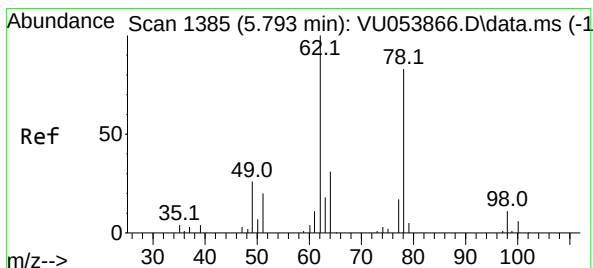
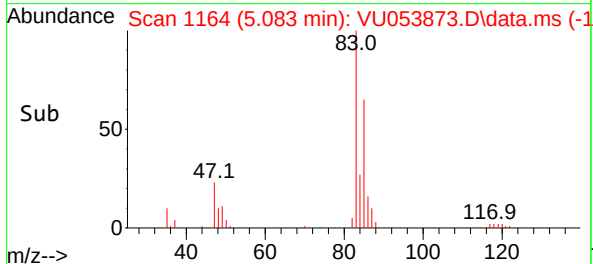
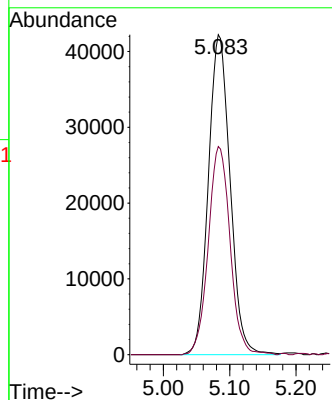
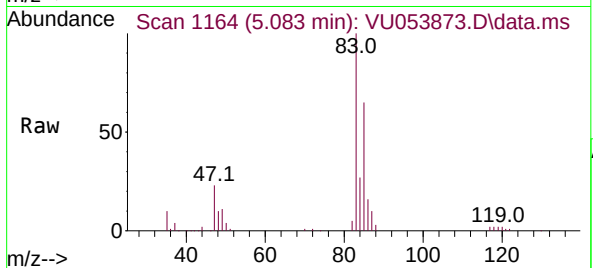
VSTD005159

Tgt Ion: 83 Resp: 96057

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.250 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU053873.D

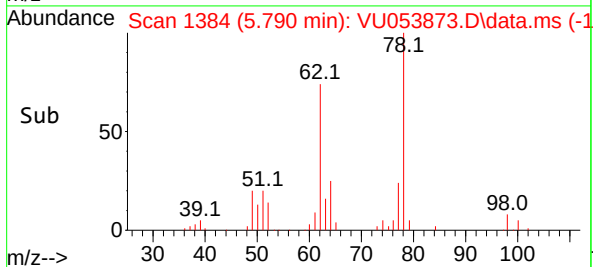
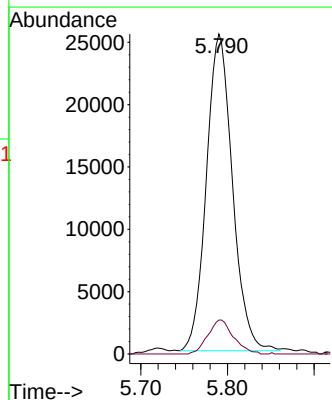
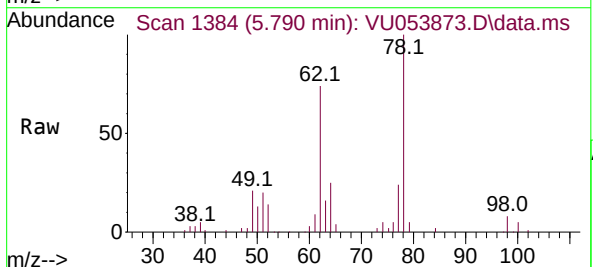
Acq: 25 Apr 2023 04:11

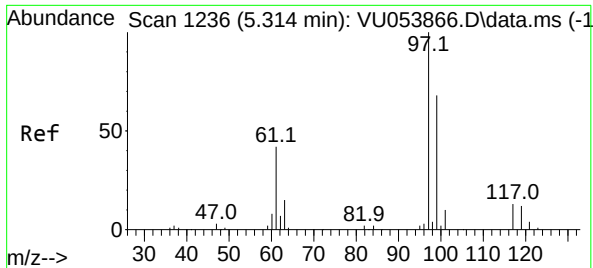
Tgt Ion: 62 Resp: 53150

Ion Ratio Lower Upper

62 100

98 10.6 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.256 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

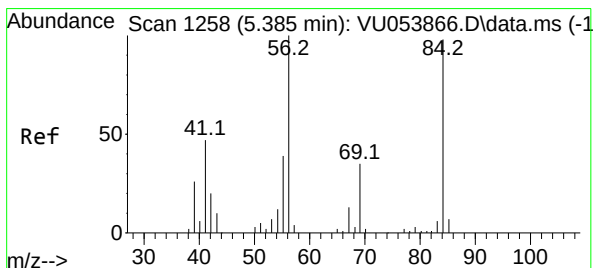
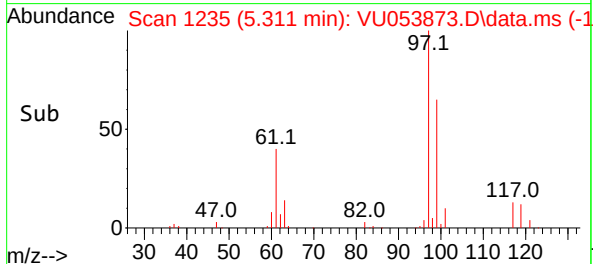
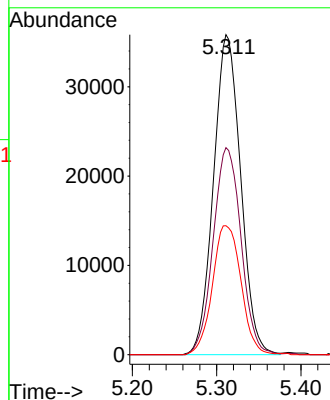
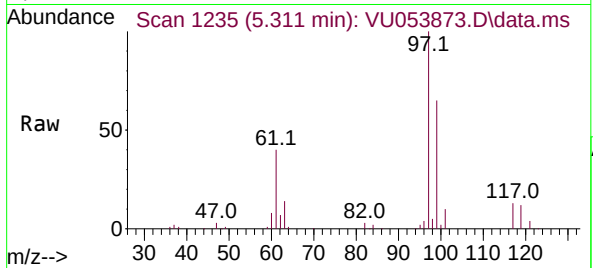
Tgt Ion: 97 Resp: 80241

Ion Ratio Lower Upper

97 100

99 66.4 52.9 79.3

61 42.3 33.8 50.8



#30

Cyclohexane

Concen: 5.099 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

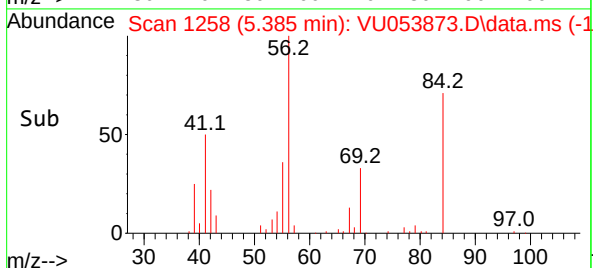
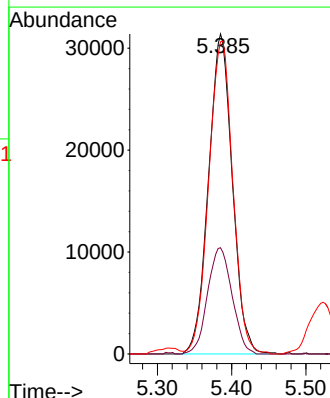
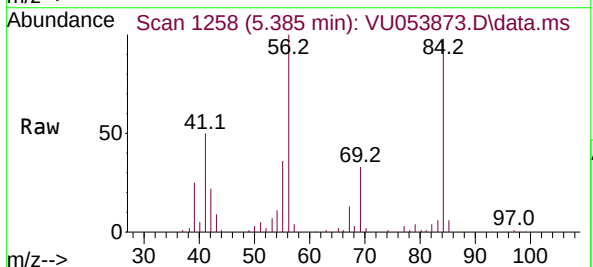
Tgt Ion: 56 Resp: 69942

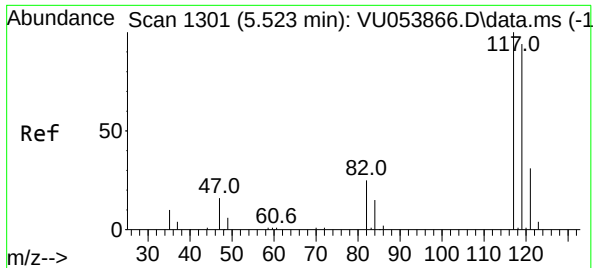
Ion Ratio Lower Upper

56 100

69 34.1 27.0 40.4

84 99.2 78.0 117.0

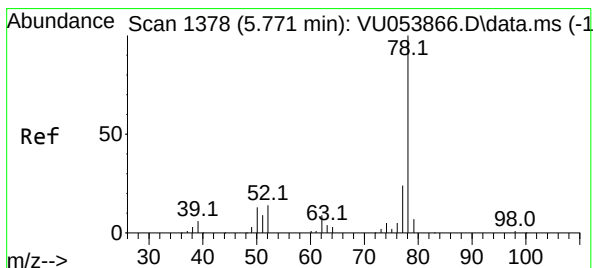
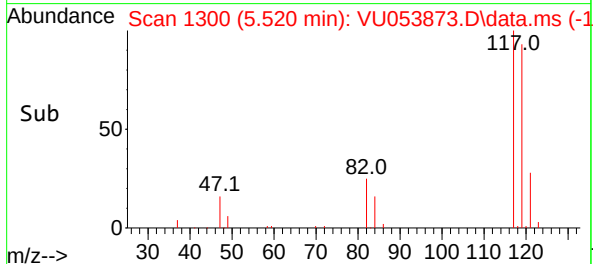
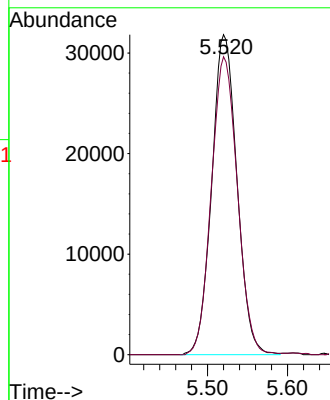
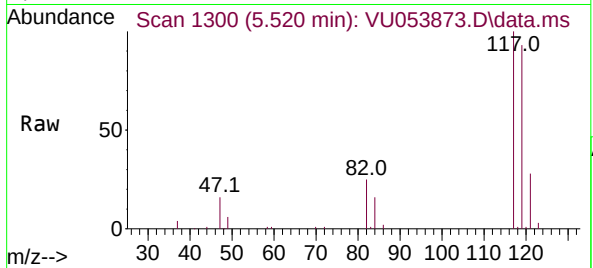




#31
Carbon tetrachloride
Concen: 5.248 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

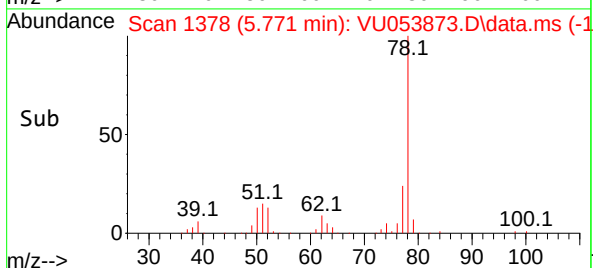
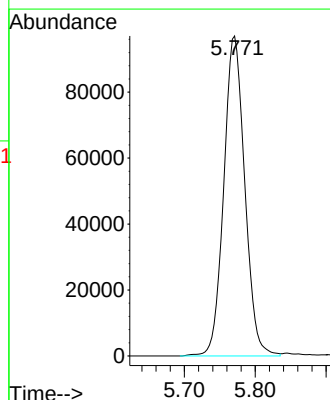
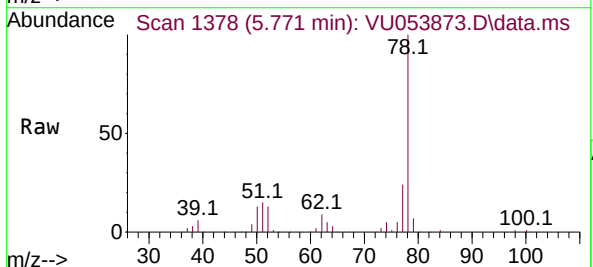
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

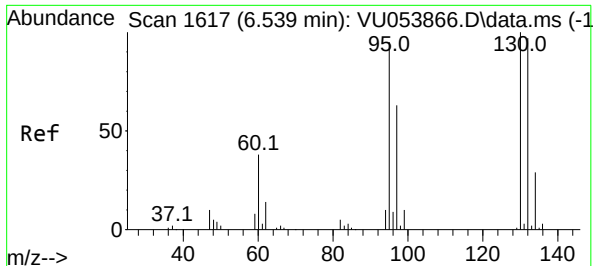
Tgt Ion:117 Resp: 69650
Ion Ratio Lower Upper
117 100
119 96.1 75.0 112.6



#33
Benzene
Concen: 5.224 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 78 Resp: 199974

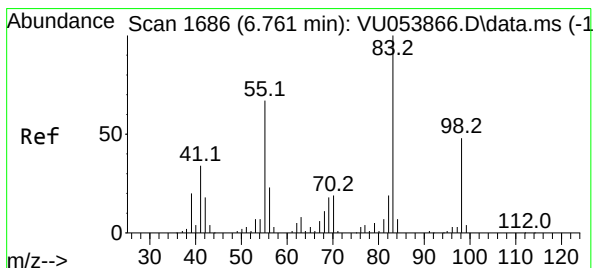
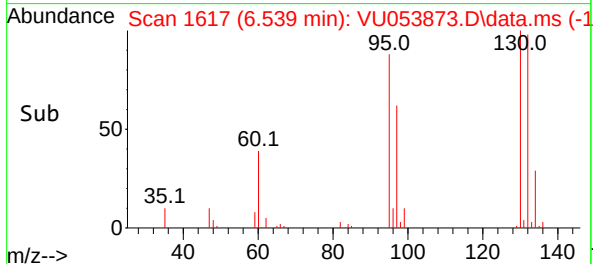
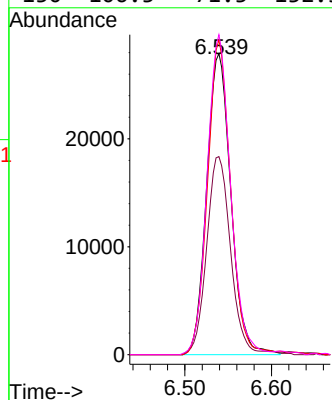
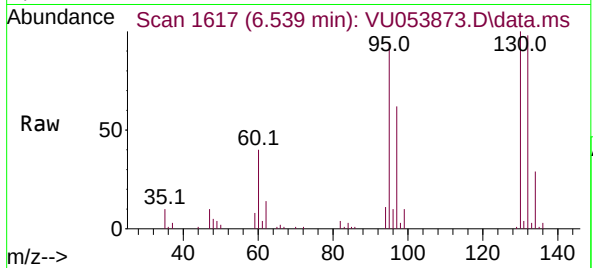




#34
Trichloroethene
Concen: 5.195 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

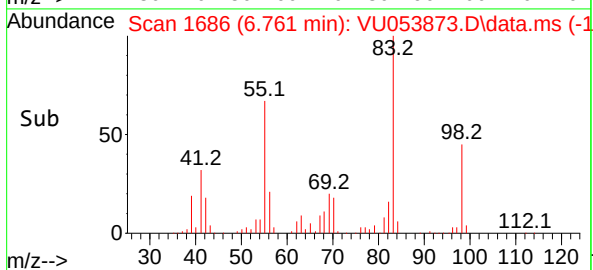
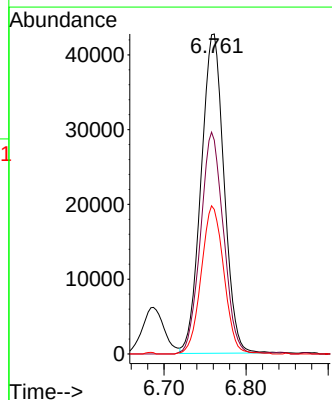
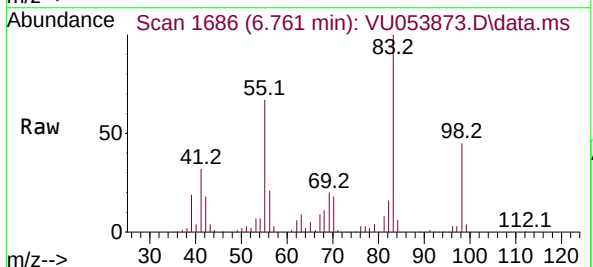
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

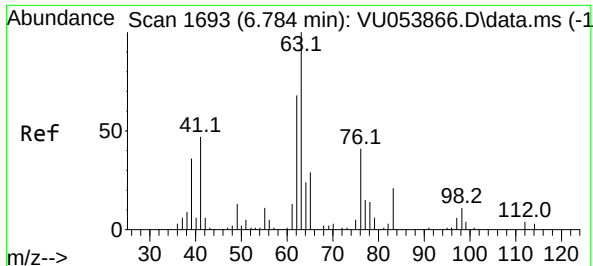
Tgt Ion: 95 Resp: 54198
Ion Ratio Lower Upper
95 100
97 65.8 45.1 83.9
132 104.6 69.9 129.9
130 106.3 71.3 132.3



#35
Methylcyclohexane
Concen: 5.142 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 83 Resp: 82853
Ion Ratio Lower Upper
83 100
55 69.3 55.4 83.2
98 45.8 37.3 55.9





#37

1,2-Dichloropropane

Concen: 5.325 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

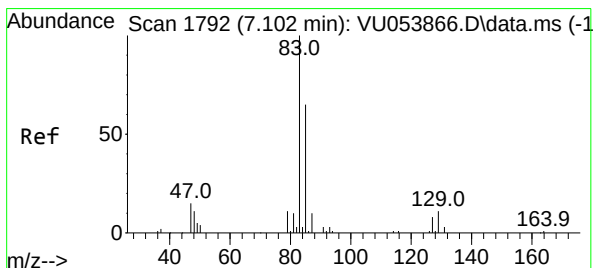
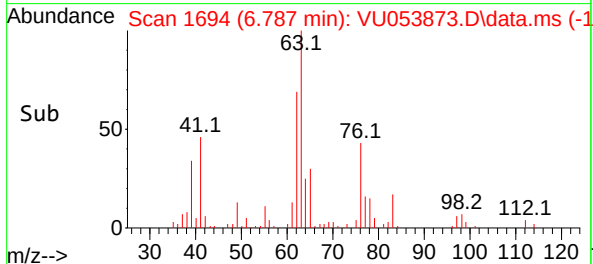
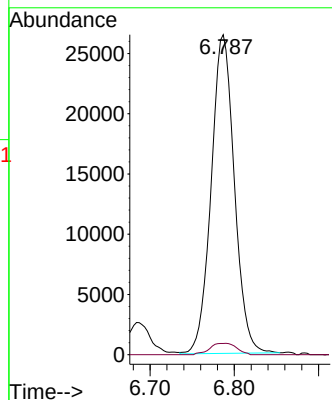
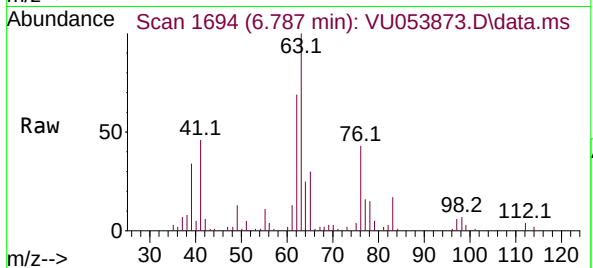
VSTD005159

Tgt Ion: 63 Resp: 50572

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



#38

Bromodichloromethane

Concen: 5.098 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

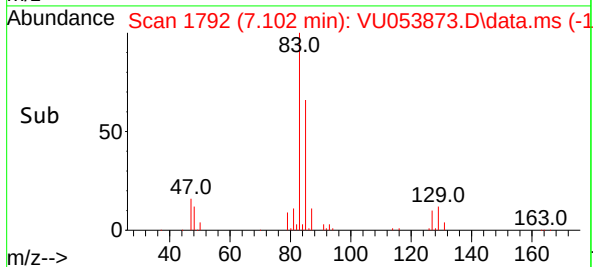
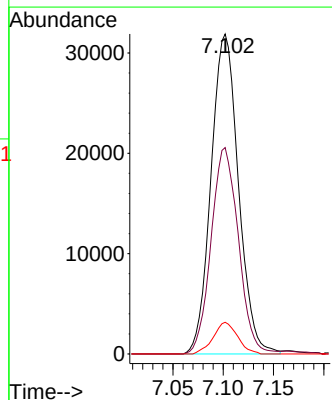
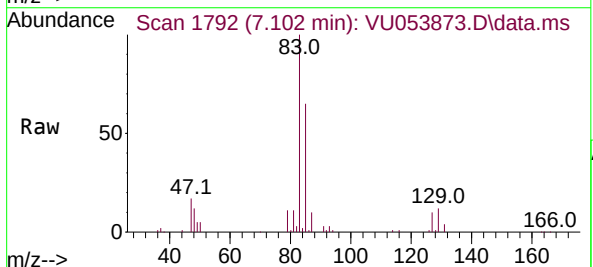
Tgt Ion: 83 Resp: 60529

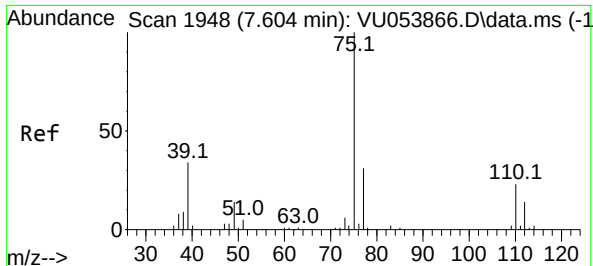
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

127 9.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.027 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

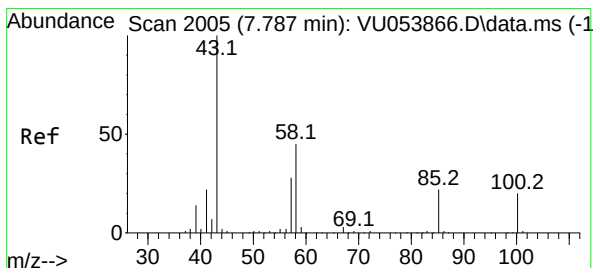
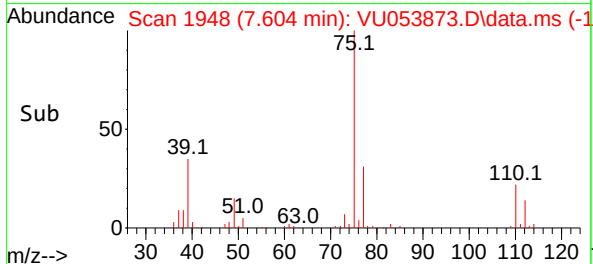
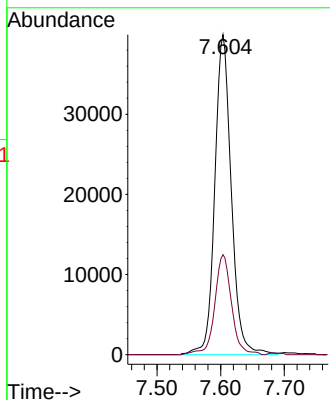
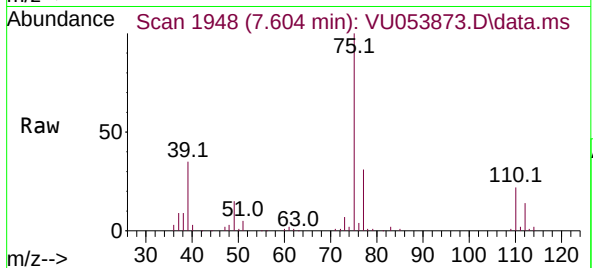
VSTD005159

Tgt Ion: 75 Resp: 71992

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 52.495 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

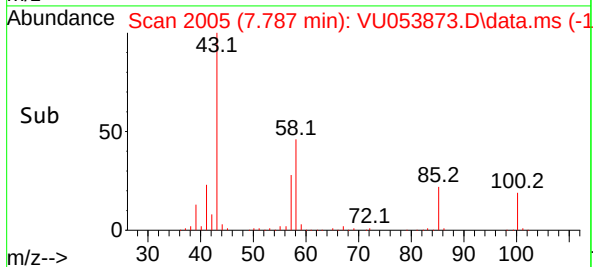
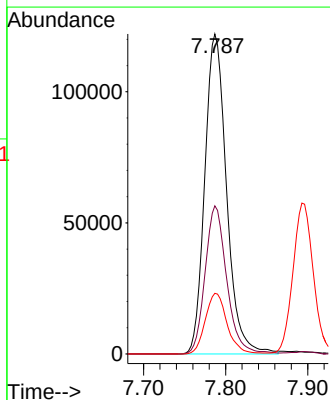
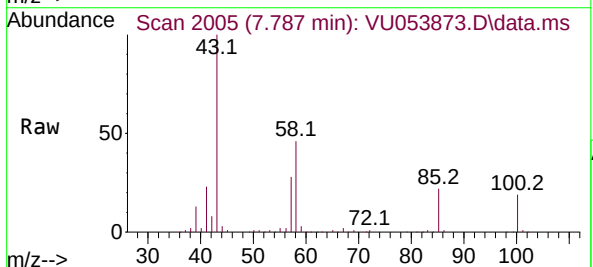
Tgt Ion: 43 Resp: 224910

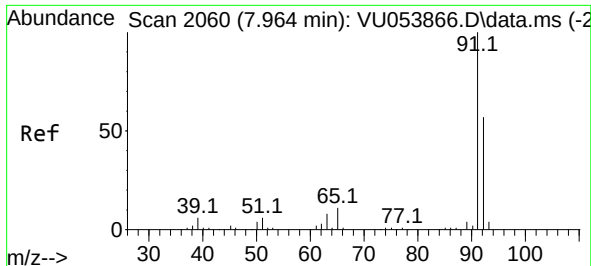
Ion Ratio Lower Upper

43 100

58 46.1 36.0 54.0

100 19.1 15.1 22.7





#42

Toluene

Concen: 5.333 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

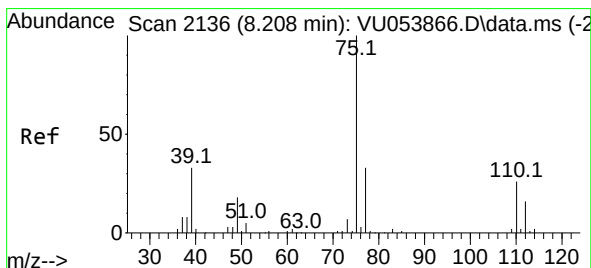
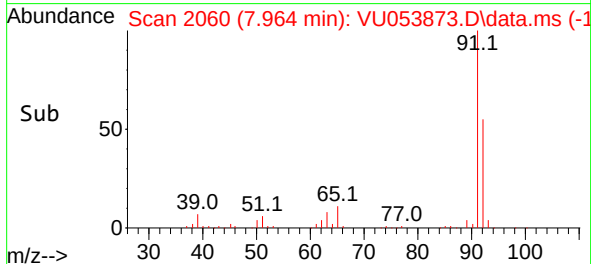
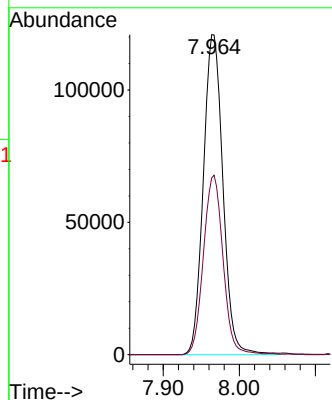
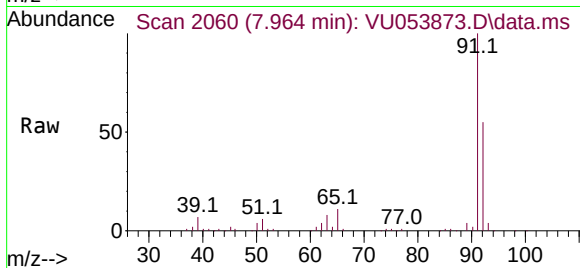
VSTD005159

Tgt Ion: 91 Resp: 216498

Ion Ratio Lower Upper

91 100

92 55.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.100 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU053873.D

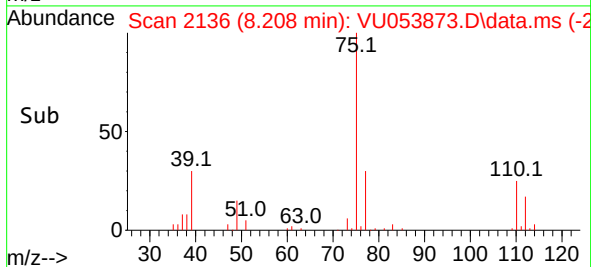
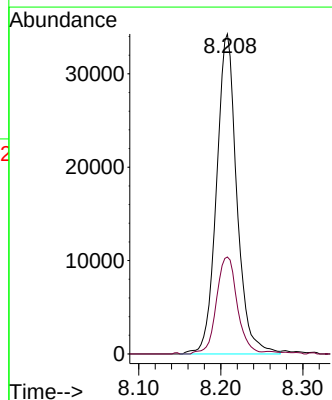
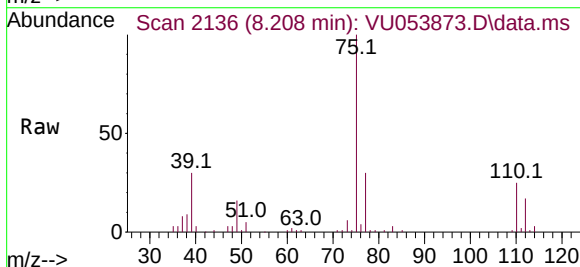
Acq: 25 Apr 2023 04:11

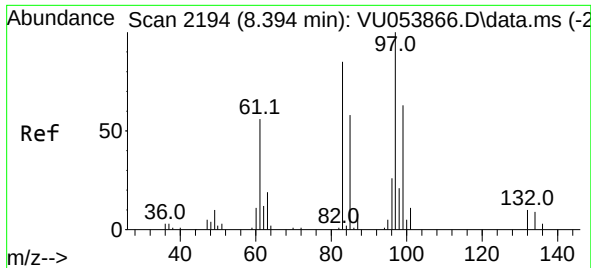
Tgt Ion: 75 Resp: 59066

Ion Ratio Lower Upper

75 100

77 30.3 23.3 43.3

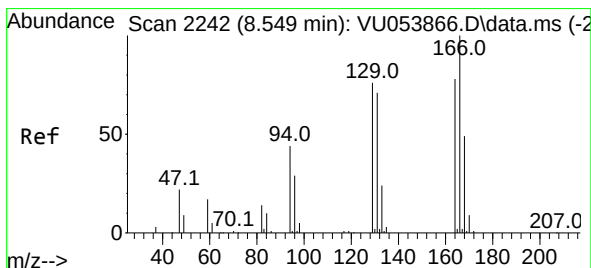
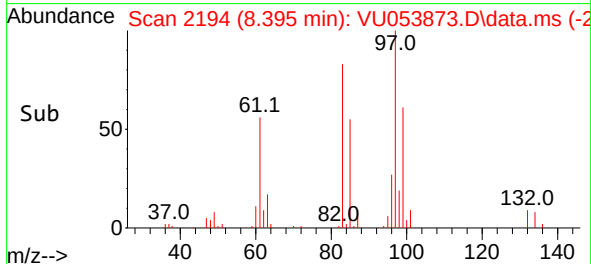
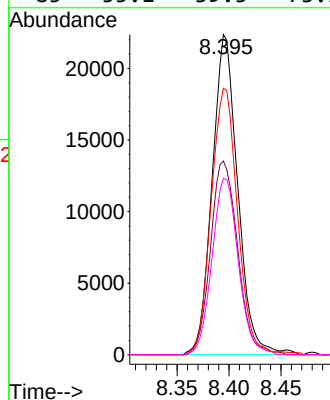
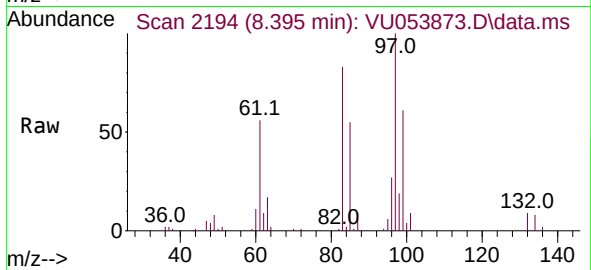




#45
1,1,2-Trichloroethane
Concen: 5.355 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

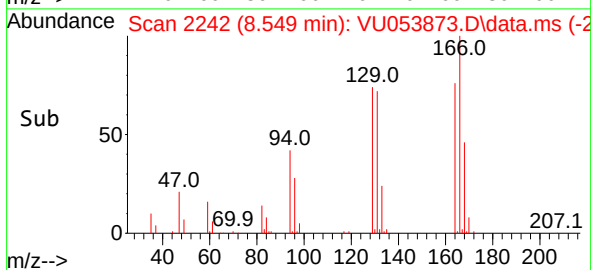
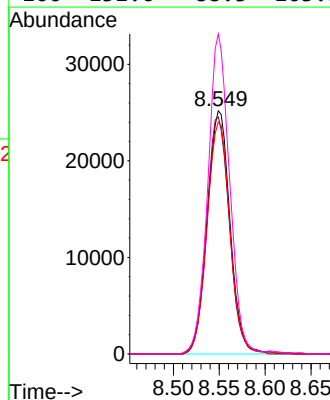
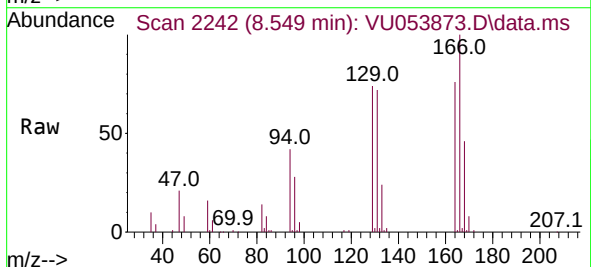
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

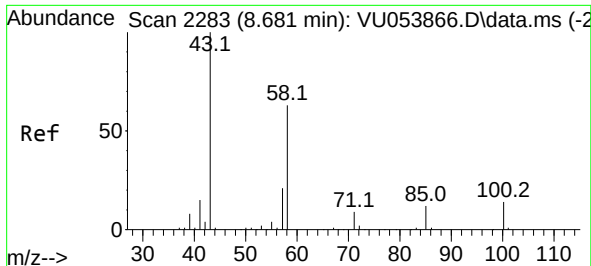
Tgt Ion:	97	Resp:	38124
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.7	83.1
83	83.3	59.8	111.1
85	55.1	39.5	73.3



#47
Tetrachloroethene
Concen: 5.268 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion:	164	Resp:	43556
Ion	Ratio	Lower	Upper
164	100		
129	97.4	68.3	126.8
131	95.4	64.4	119.6
166	131.6	88.3	163.9



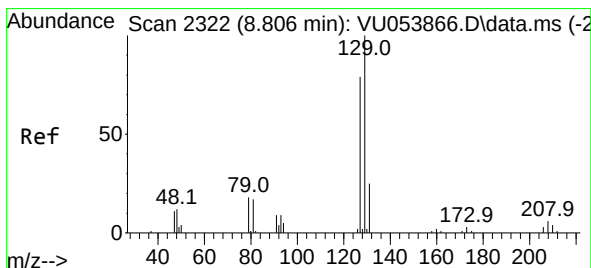
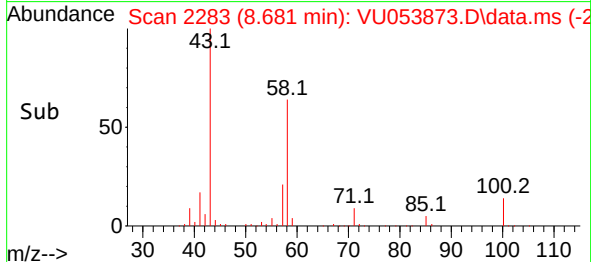
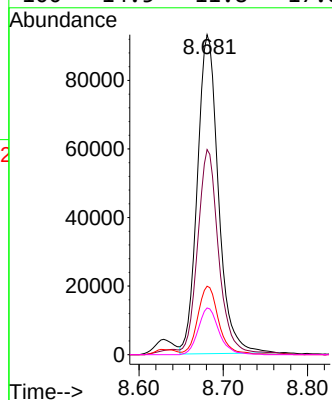
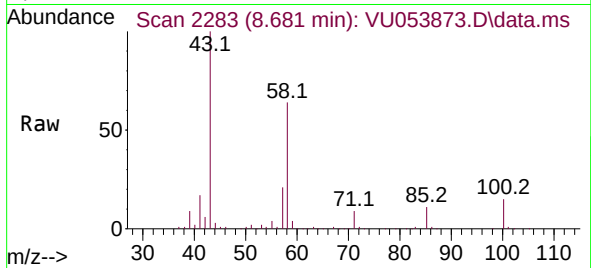


#48
2-Hexanone
Concen: 49.739 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

Tgt Ion: 43 Resp: 161975

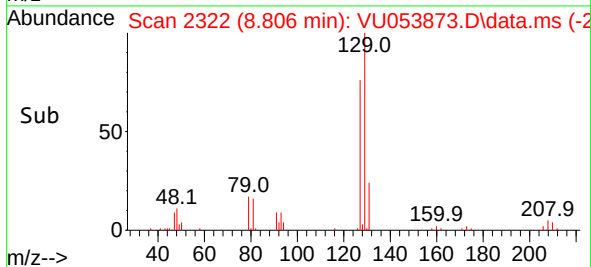
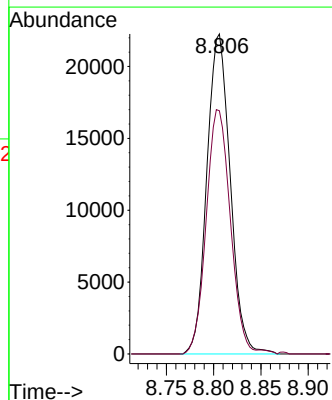
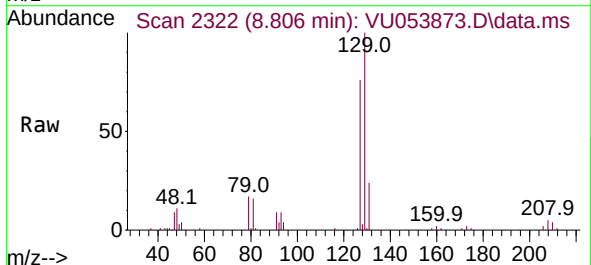
Ion	Ratio	Lower	Upper
43	100		
58	64.6	49.8	74.6
57	21.0	16.9	25.3
100	14.5	11.8	17.8

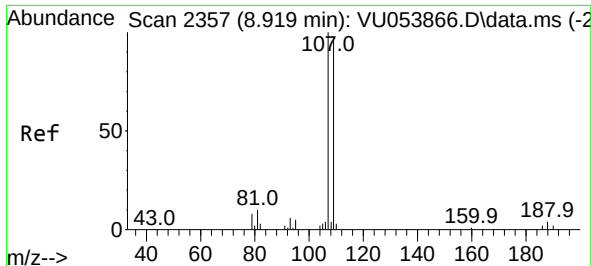


#49
Dibromochloromethane
Concen: 5.086 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 129 Resp: 38338

Ion	Ratio	Lower	Upper
129	100		
127	76.0	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.350 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

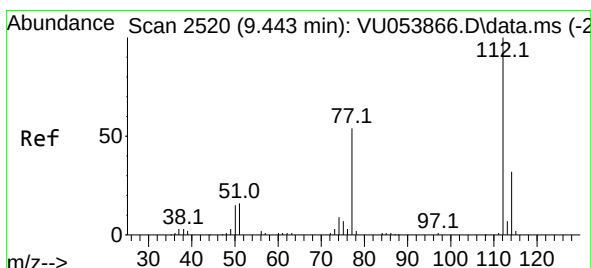
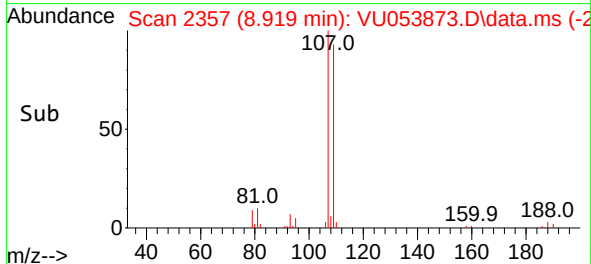
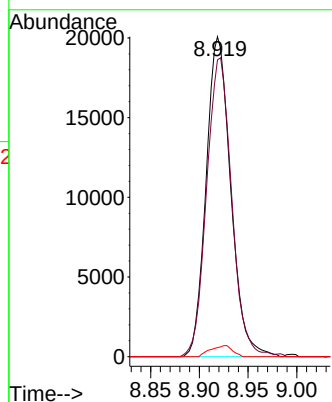
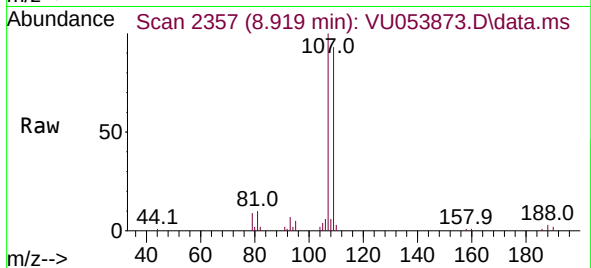
Tgt Ion:107 Resp: 35230

Ion Ratio Lower Upper

107 100

109 92.7 64.3 119.5

188 2.9 2.1 3.1



#51

Chlorobenzene

Concen: 5.134 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

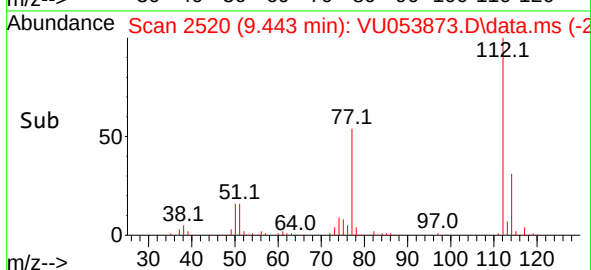
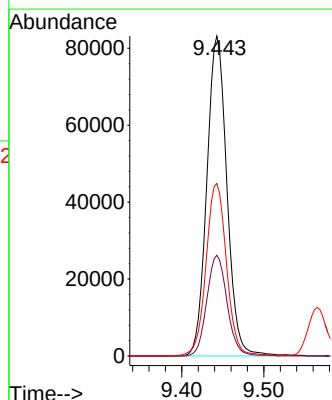
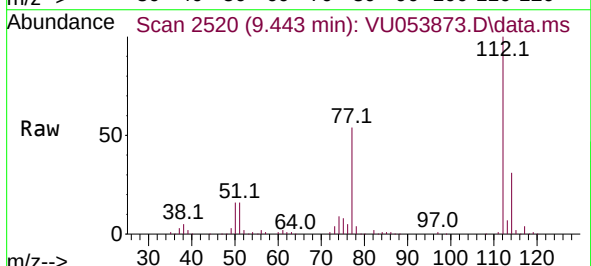
Tgt Ion:112 Resp: 141494

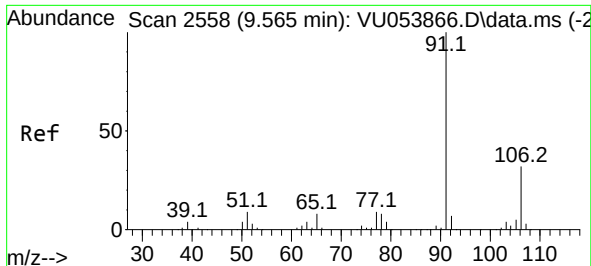
Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 53.9 44.4 66.6

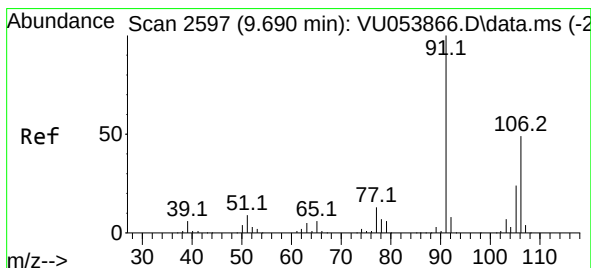
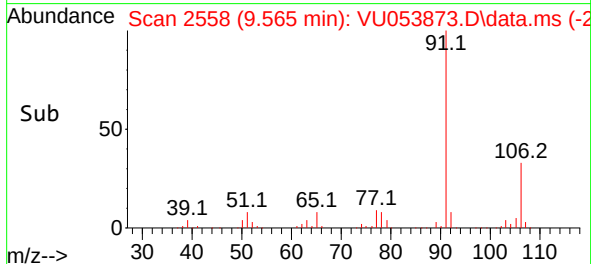
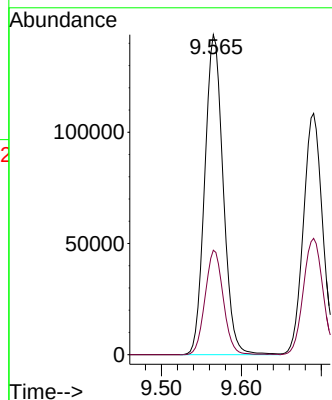
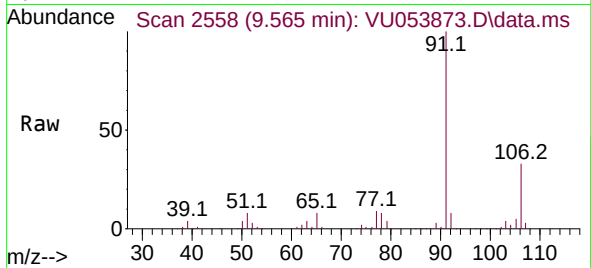




#52
Ethylbenzene
Concen: 5.177 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

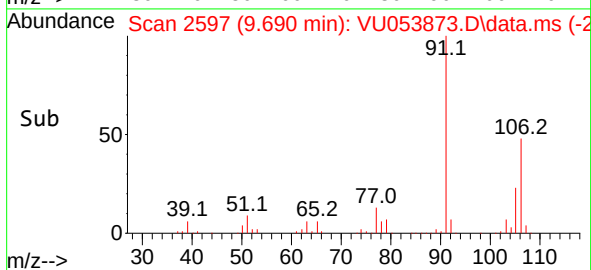
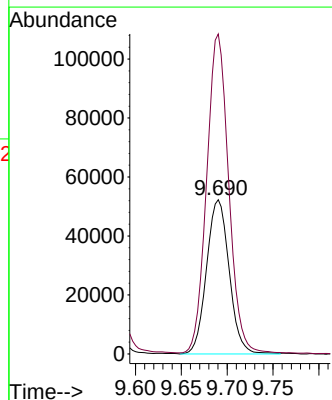
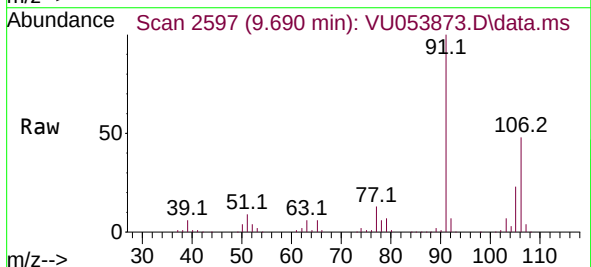
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

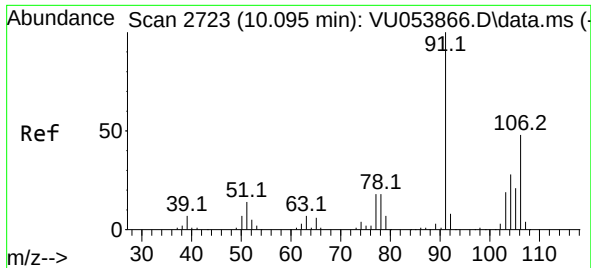
Tgt Ion: 91 Resp: 230795
Ion Ratio Lower Upper
91 100
106 32.6 22.8 42.4



#53
m,p-Xylene
Concen: 5.261 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion: 106 Resp: 89868
Ion Ratio Lower Upper
106 100
91 207.5 142.2 264.0

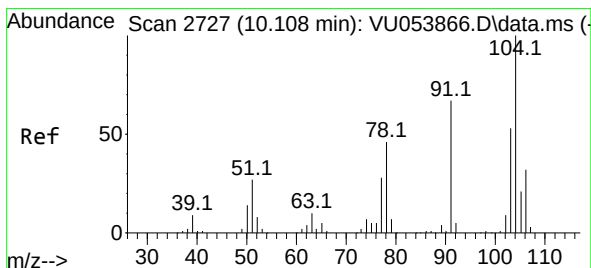
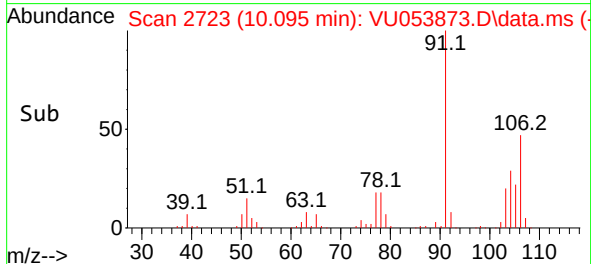
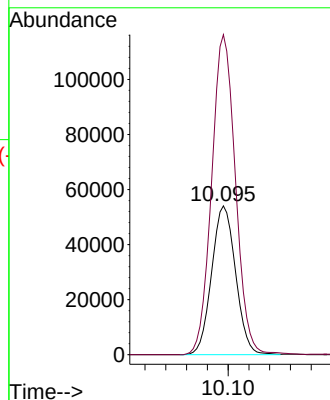
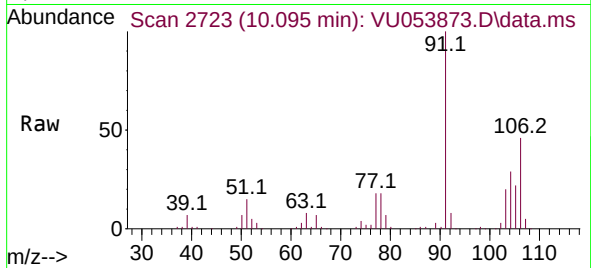




#54
o-Xylene
Concen: 5.250 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

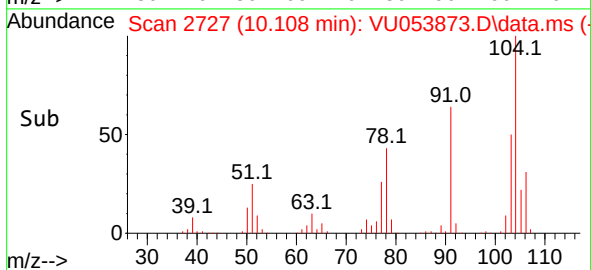
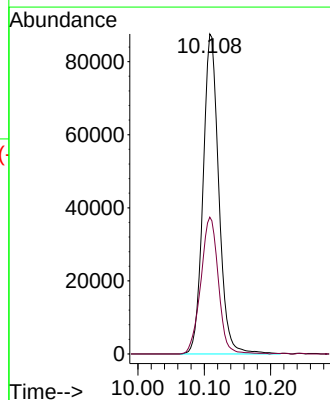
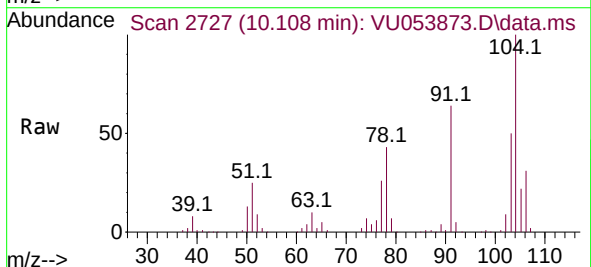
Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

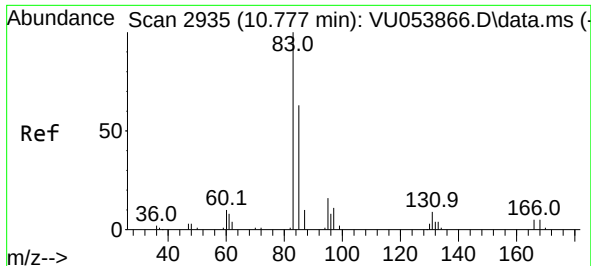
Tgt Ion:106 Resp: 86538
Ion Ratio Lower Upper
106 100
91 215.1 145.5 270.1



#55
Styrene
Concen: 5.367 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion:104 Resp: 144739
Ion Ratio Lower Upper
104 100
78 42.7 30.9 57.5

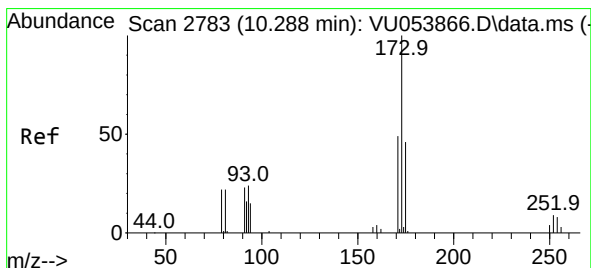
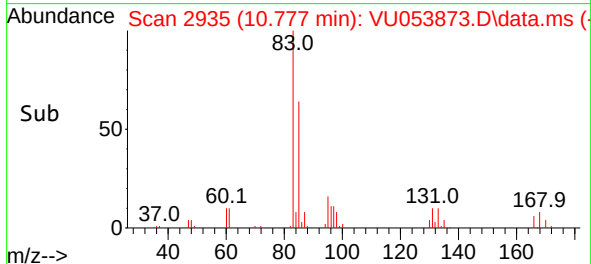
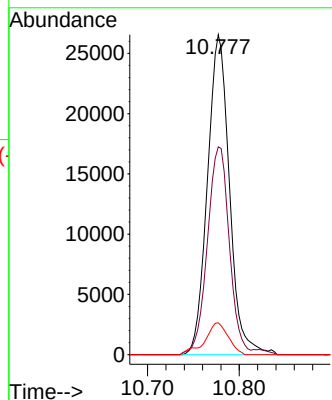
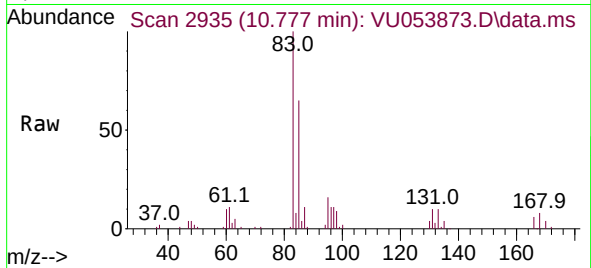




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.217 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

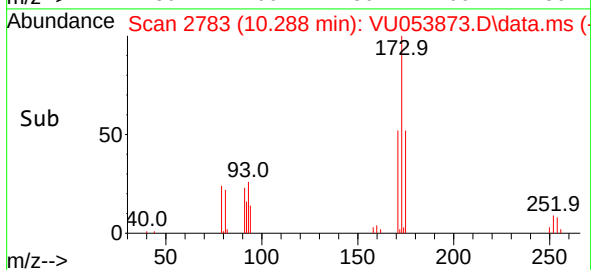
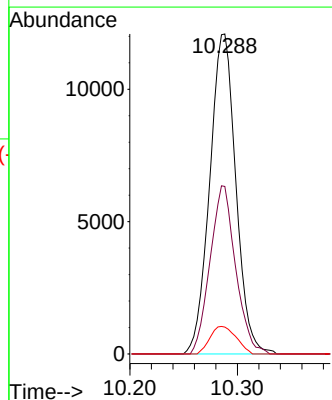
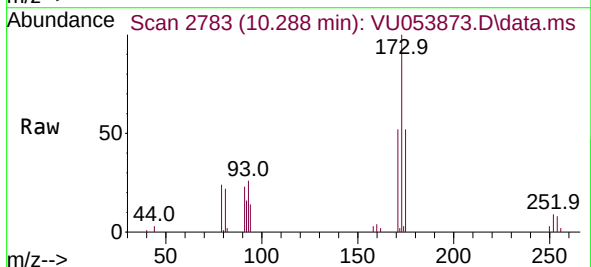
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005159

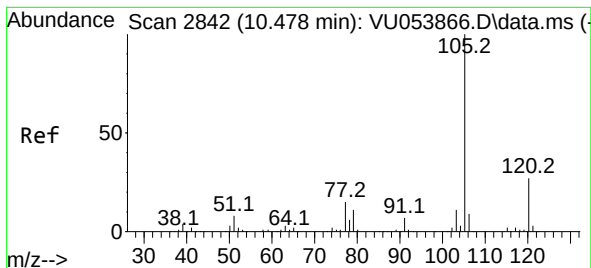
Tgt Ion: 83 Resp: 44283
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.5 80.9
 131 9.9 7.8 11.6



#59
 Bromoform
 Concen: 4.870 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

Tgt Ion: 173 Resp: 20414
 Ion Ratio Lower Upper
 173 100
 175 51.3 37.4 56.2
 254 8.6 7.1 10.7





#60

Isopropylbenzene

Concen: 5.127 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

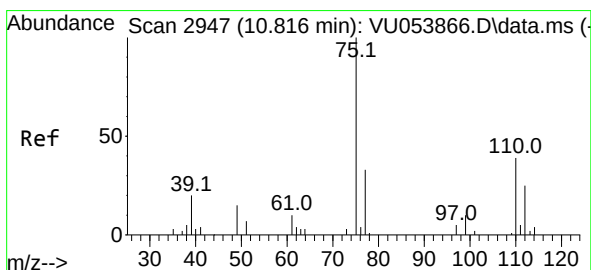
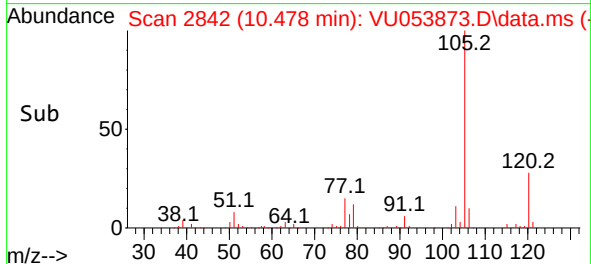
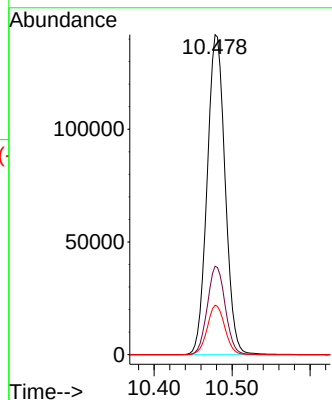
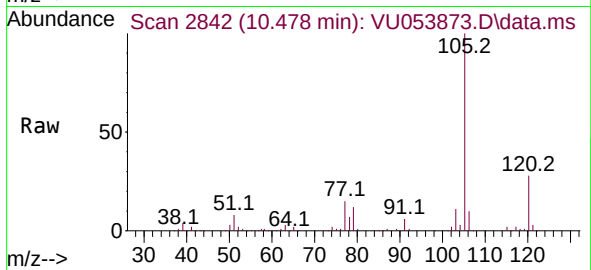
Tgt Ion:105 Resp: 227270

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.0

77 15.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.205 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

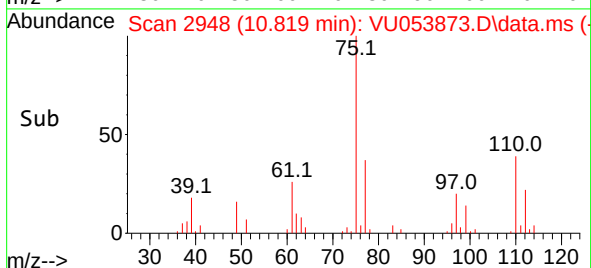
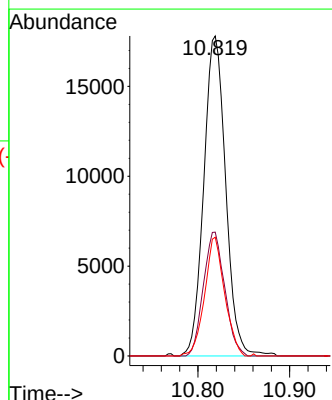
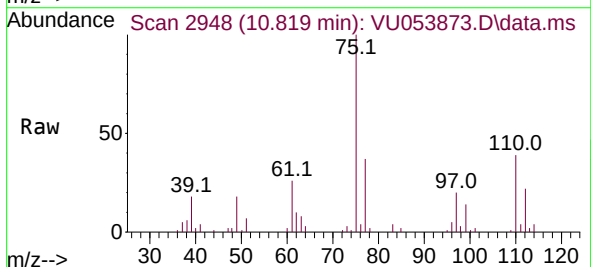
Tgt Ion: 75 Resp: 29588

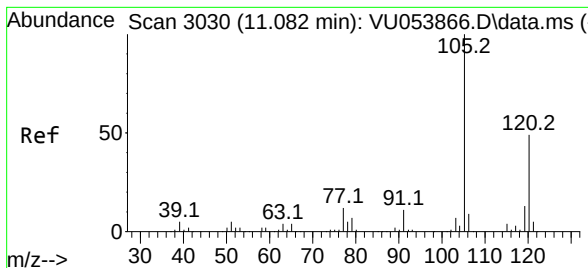
Ion Ratio Lower Upper

75 100

110 37.6 30.7 46.1

77 33.9 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.126 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

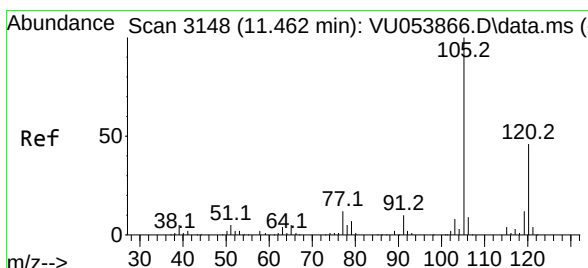
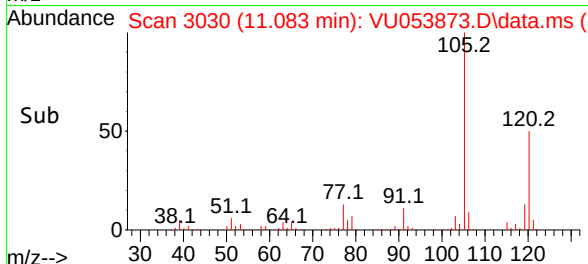
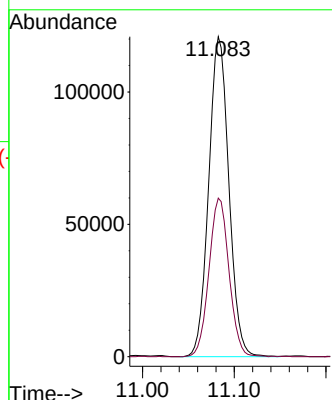
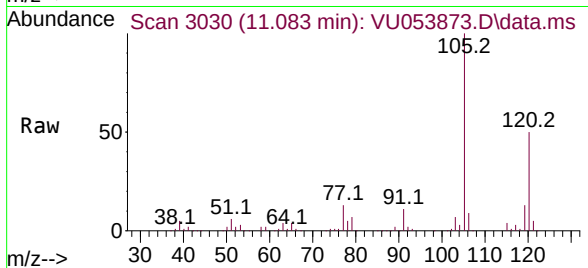
VSTD005159

Tgt Ion:105 Resp: 184736

Ion Ratio Lower Upper

105 100

120 49.3 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.203 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053873.D

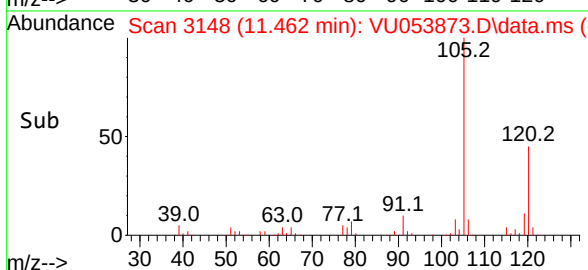
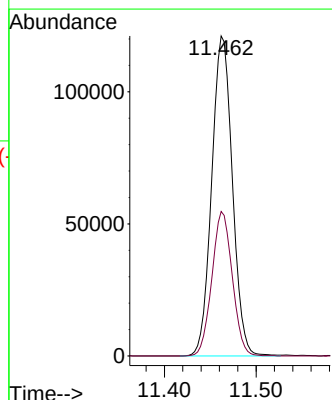
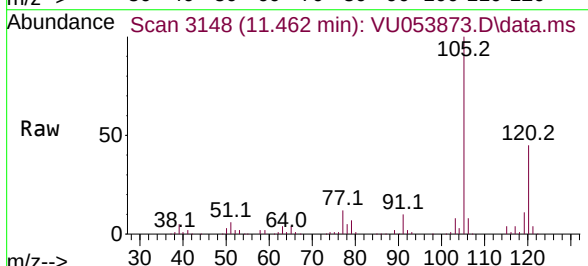
Acq: 25 Apr 2023 04:11

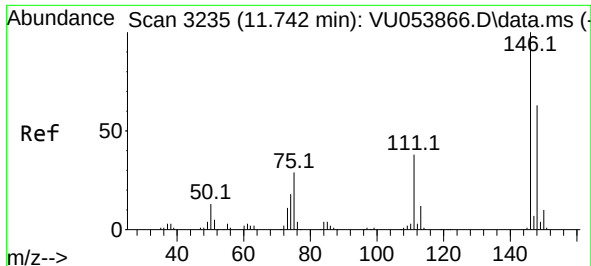
Tgt Ion:105 Resp: 189736

Ion Ratio Lower Upper

105 100

120 44.5 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

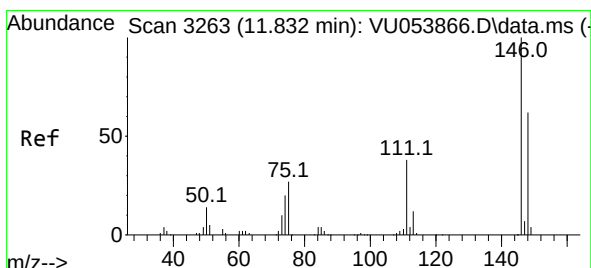
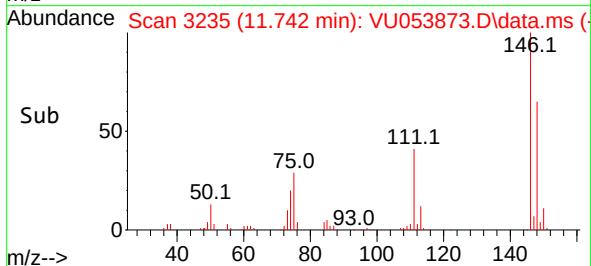
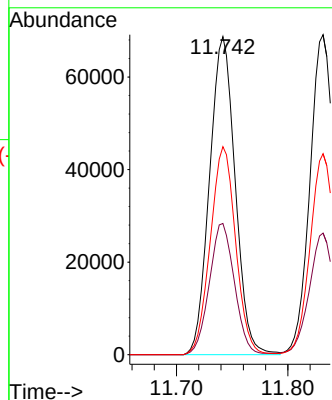
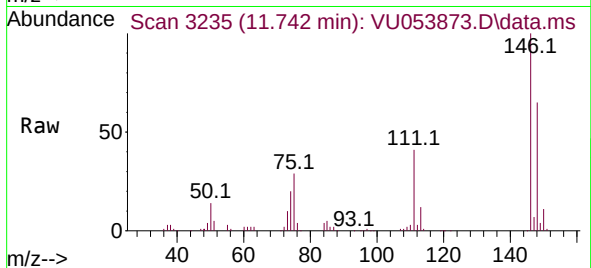
Tgt Ion:146 Resp: 109719

Ion Ratio Lower Upper

146 100

111 41.3 27.9 51.9

148 65.4 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 4.881 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

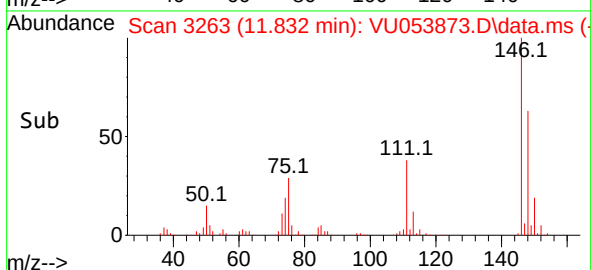
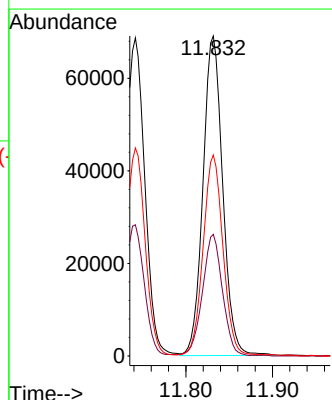
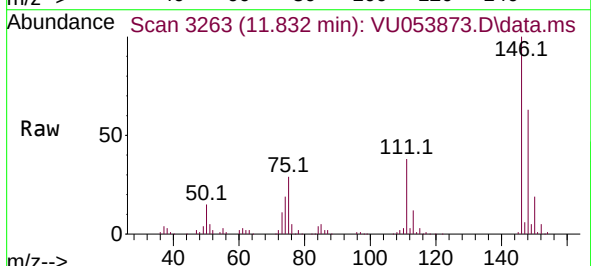
Tgt Ion:146 Resp: 109268

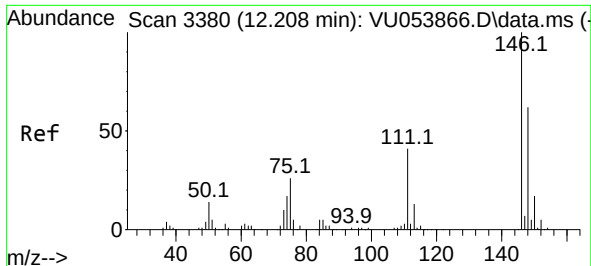
Ion Ratio Lower Upper

146 100

111 38.0 28.3 52.7

148 62.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.993 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005159

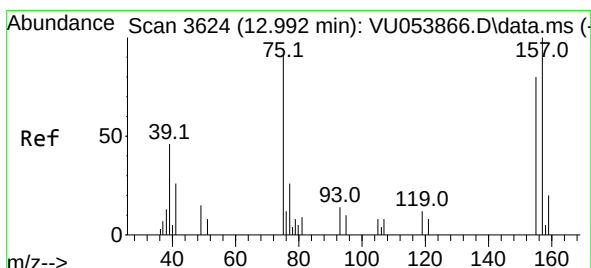
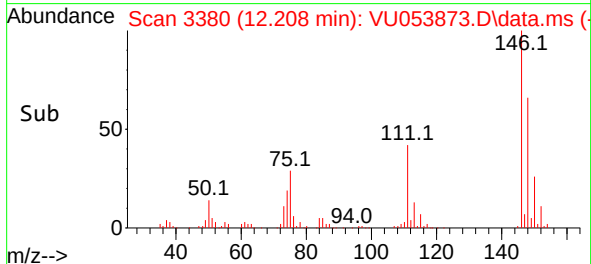
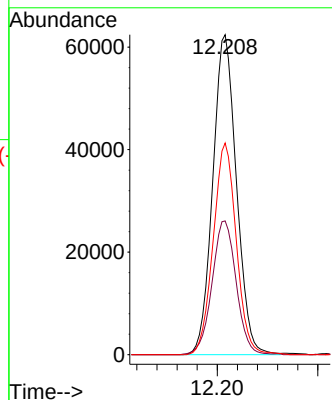
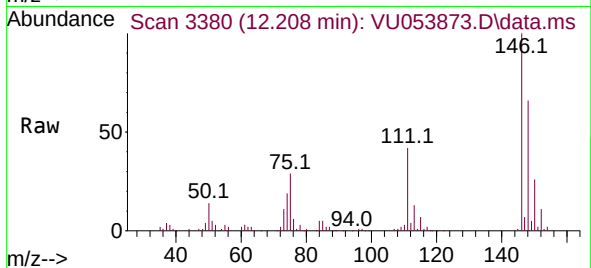
Tgt Ion:146 Resp: 102163

Ion Ratio Lower Upper

146 100

111 41.8 32.6 49.0

148 66.2 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.929 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053873.D

Acq: 25 Apr 2023 04:11

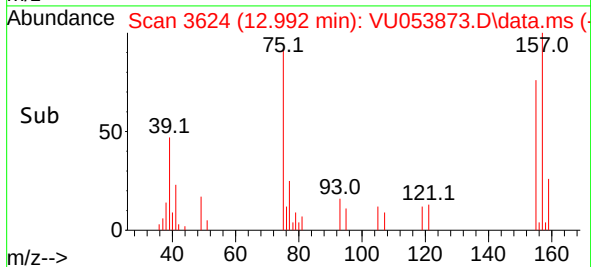
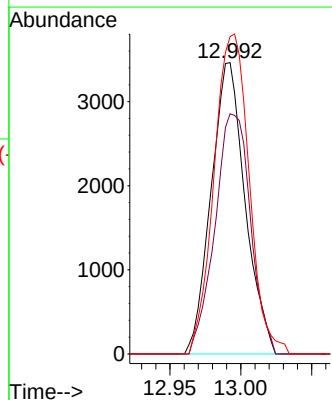
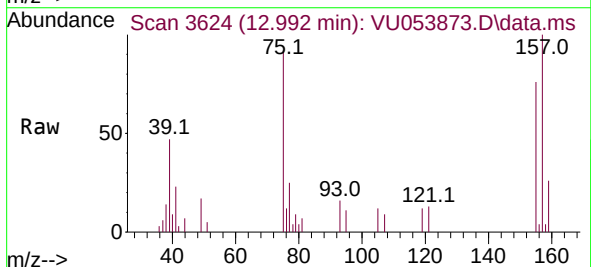
Tgt Ion: 75 Resp: 5775

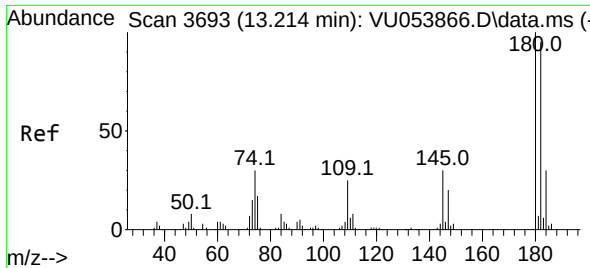
Ion Ratio Lower Upper

75 100

155 82.4 72.8 109.2

157 108.9 89.1 133.7

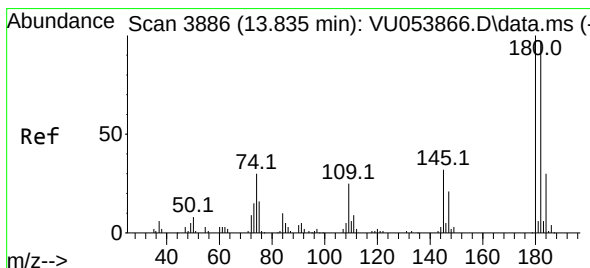
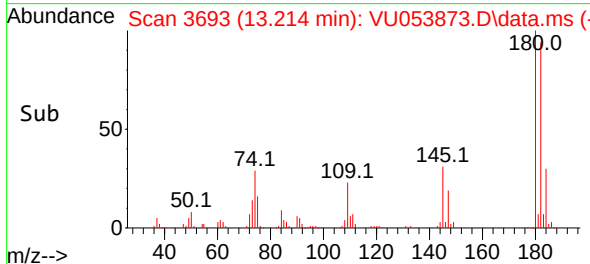
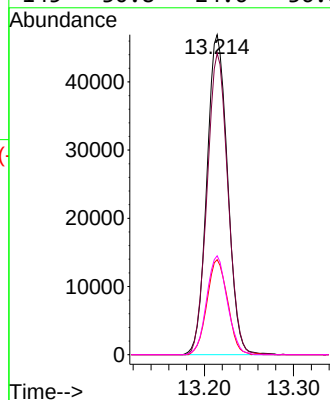
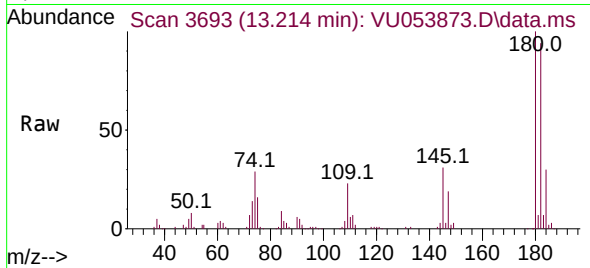




#69
 1,3,5-Trichlorobenzene
 Concen: 4.768 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

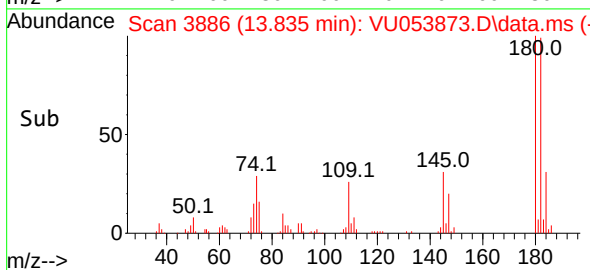
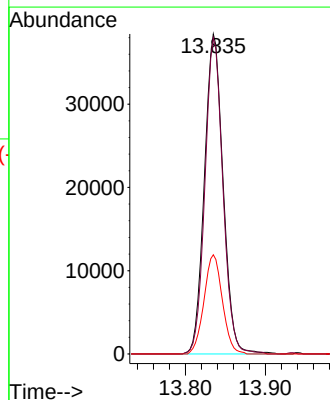
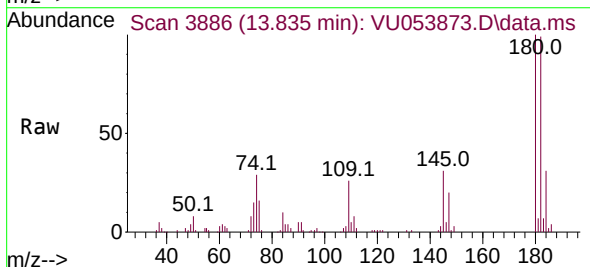
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005159

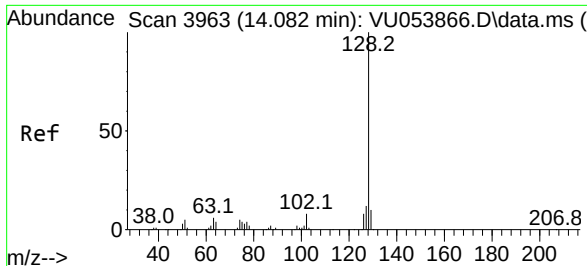
Tgt Ion:180	Resp:	75633
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.1 112.7
184	29.6	24.2 36.2
145	30.8	24.6 36.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.322 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053873.D
 Acq: 25 Apr 2023 04:11

Tgt Ion:180	Resp:	62411
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.5 113.3
145	30.5	25.8 38.6

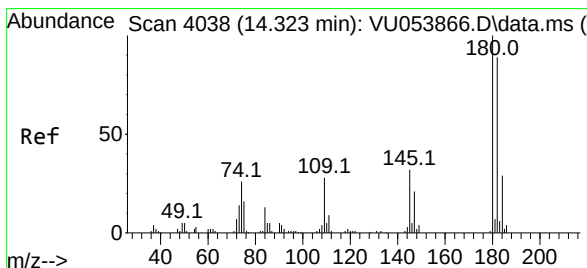
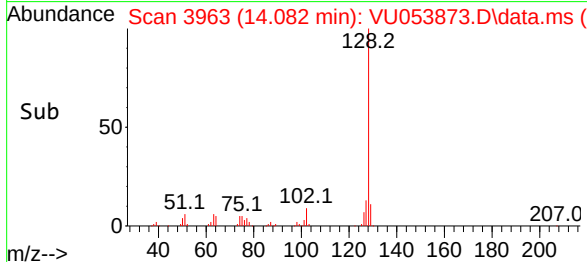
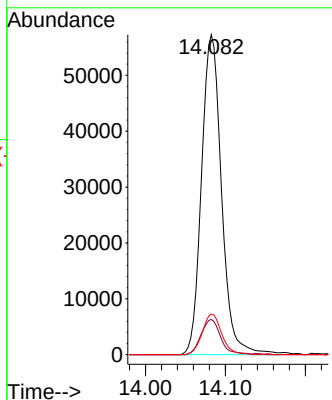
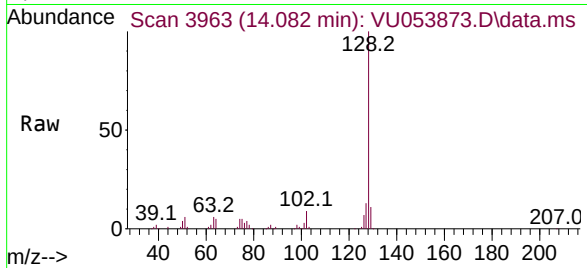




#71
Naphthalene
Concen: 3.913 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005159

Tgt Ion:128 Resp: 99892
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 12.3 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.250 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053873.D
Acq: 25 Apr 2023 04:11

Tgt Ion:180 Resp: 54757
Ion Ratio Lower Upper
180 100
182 94.3 77.4 116.2
145 33.2 26.8 40.2

