

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052859.D
 Acq On : 27 Jan 2023 20:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

Quant Time: Jan 27 22:26:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241491	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	265321	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	150385	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69991	40.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.906	69	77913	54.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.568	63	182381	52.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.520%
21) 2-Butanone-d5	4.620	46	95438	88.884	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.880%
24) Chloroform-d	5.057	84	171983	46.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
26) 1,2-Dichloroethane-d4	5.694	65	109220	46.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
32) Benzene-d6	5.723	84	324601	40.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.080%
36) 1,2-Dichloropropane-d6	6.684	67	94538	39.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.540%
41) Toluene-d8	7.893	98	356757	48.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
43) trans-1,3-Dichloroprop...	8.173	79	58132	48.786	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.580%
47) 2-Hexanone-d5	8.632	63	92248	110.432	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.430%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	171861	48.928	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	12.189	152	137756	47.176	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	102620	45.381	ug/L	99
3) Chloromethane	1.520	50	79267	42.502	ug/L	100
5) Vinyl chloride	1.604	62	97232	47.126	ug/L	100
6) Bromomethane	1.855	94	72961	56.072	ug/L	92
8) Chloroethane	1.929	64	74136	57.207	ug/L	98
9) Trichlorofluoromethane	2.134	101	191992	55.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	100606	51.648	ug/L	99
12) 1,1-Dichloroethene	2.578	96	95953	53.711	ug/L	98
13) Acetone	2.626	43	103613	79.010	ug/L	97
14) Carbon disulfide	2.790	76	278090	51.540	ug/L	100
15) Methyl Acetate	2.945	43	94919	53.720	ug/L	98
16) Methylene chloride	3.041	84	101485	47.755	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	89115	46.160	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	274591	48.371	ug/L	98
19) 1,1-Dichloroethane	3.864	63	154222	45.549	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	99566	48.304	ug/L	95
22) 2-Butanone	4.697	43	113187	80.749	ug/L	96
23) Bromochloromethane	4.970	128	55382	47.847	ug/L	95
25) Chloroform	5.083	83	179043	47.105	ug/L	98

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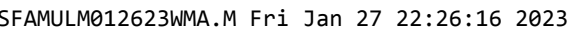
Instrument :
 MSVOA_U
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 VSTD050144

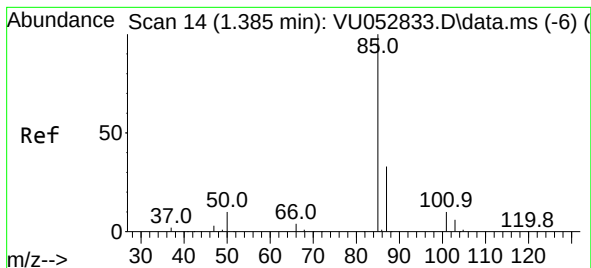
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	143985	47.851	ug/L	98
29) Cyclohexane	5.385	56	126114	40.112	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	165441	42.392	ug/L	99
31) Carbon tetrachloride	5.520	117	147829	43.697	ug/L	100
33) Benzene	5.768	78	374869	41.506	ug/L	100
34) Trichloroethene	6.536	95	94043	40.967	ug/L	92
35) Methylcyclohexane	6.758	83	160185	44.088	ug/L	98
37) 1,2-Dichloropropane	6.787	63	101167	45.562	ug/L	99
38) Bromodichloromethane	7.102	83	161565	49.584	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	169581	48.755	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	290398	111.010	ug/L	99
42) Toluene	7.964	91	479437	51.796	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	173690	50.813	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	113481	49.977	ug/L	99
46) Tetrachloroethene	8.549	164	89720	45.389	ug/L	97
48) 2-Hexanone	8.681	43	235459	106.395	ug/L	98
49) Dibromochloromethane	8.806	129	131790	48.535	ug/L	100
50) 1,2-Dibromoethane	8.919	107	121025	49.522	ug/L	100
51) Chlorobenzene	9.443	112	306232	48.087	ug/L	99
52) Ethylbenzene	9.565	91	501695	50.718	ug/L	100
53) m,p-Xylene	9.690	106	202826	50.649	ug/L	96
54) o-xylene	10.095	106	198847	52.014	ug/L	97
55) Styrene	10.111	104	338689	51.628	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	189435	51.551	ug/L	99
59) Bromoform	10.285	173	97275	47.203	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	149287	51.176	ug/L	99
61) Isopropylbenzene	10.481	105	503682	51.858	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	423943	52.422	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	419663	53.627	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	232264	47.398	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	237339	46.785	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	241843	48.793	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	40544	48.488	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	160369	44.206	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	133209	43.797	ug/L	97
71) Naphthalene	14.082	128	406353	46.491	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	143509	44.647	ug/L	98

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

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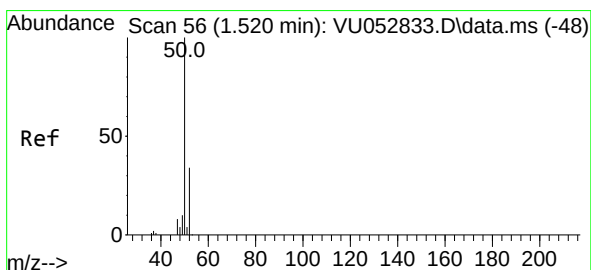
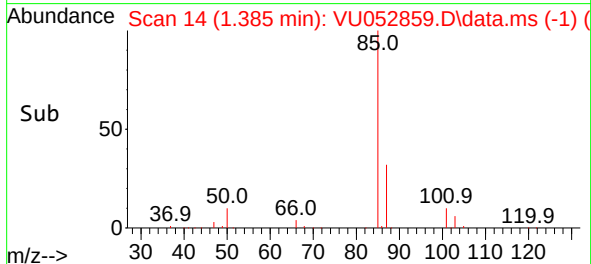
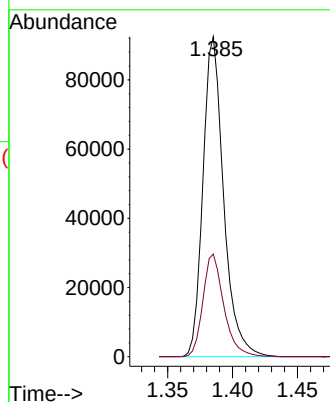
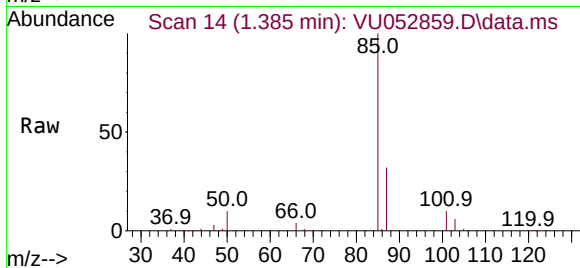




#2
Dichlorodifluoromethane
Concen: 45.381 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

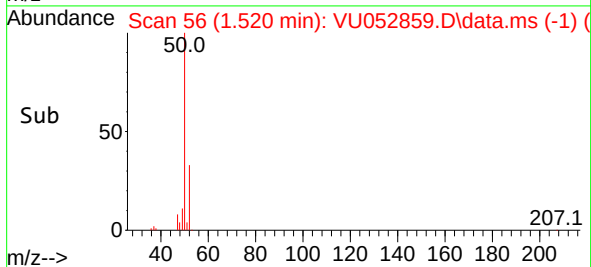
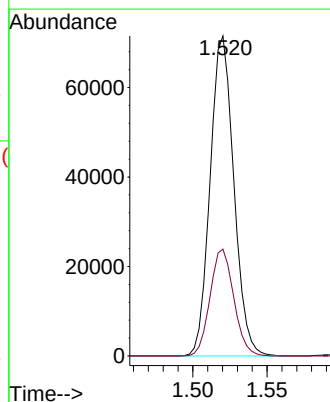
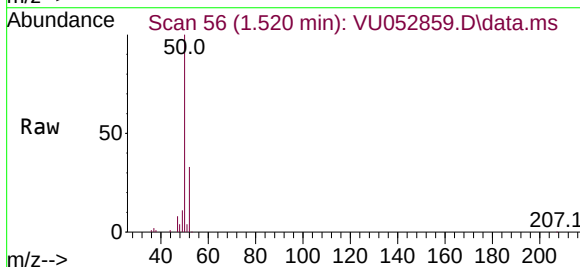
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

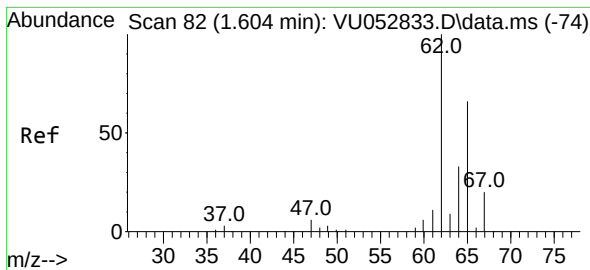
Tgt Ion: 85 Resp: 102620
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 42.502 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 50 Resp: 79267
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 47.126 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

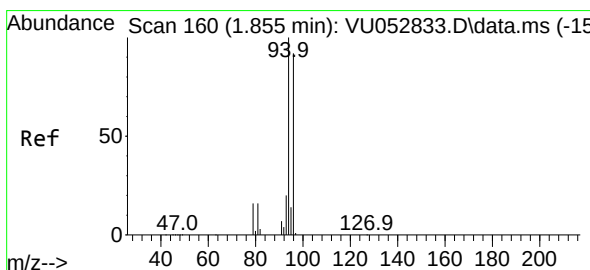
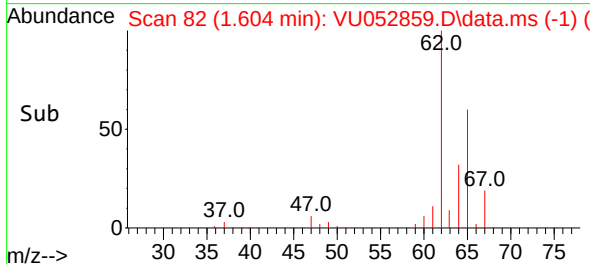
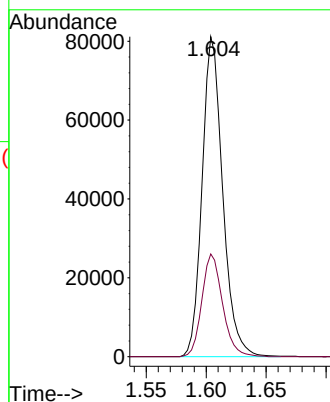
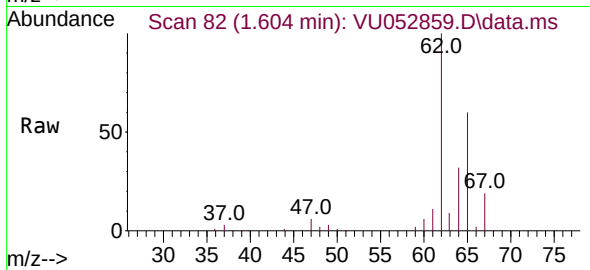
VSTD050144

Tgt Ion: 62 Resp: 97232

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#6

Bromomethane

Concen: 56.072 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.000 min

Lab File: VU052859.D

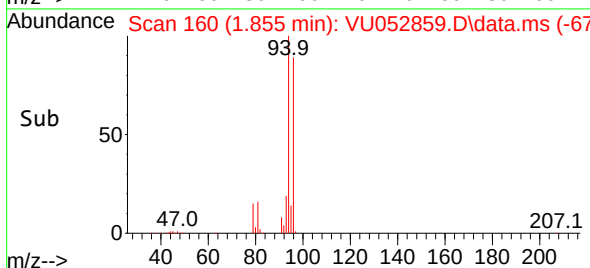
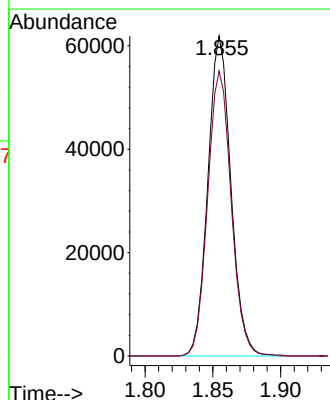
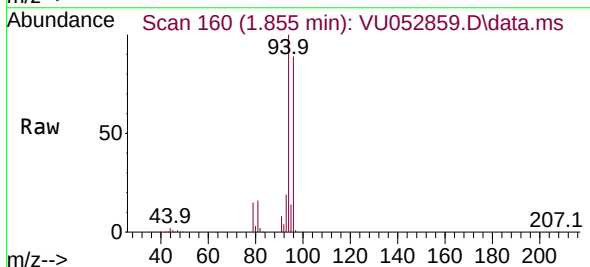
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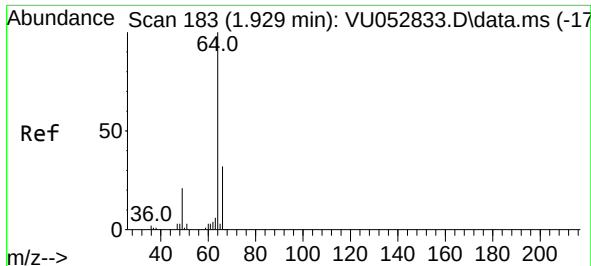
Tgt Ion: 94 Resp: 72961

Ion Ratio Lower Upper

94 100

96 89.0 67.8 125.8

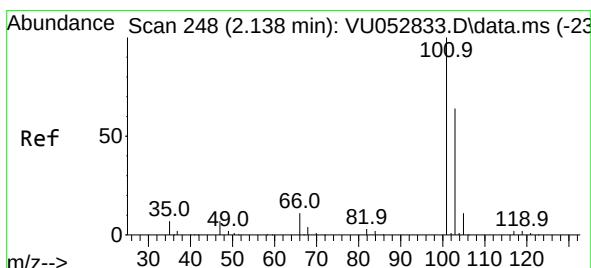
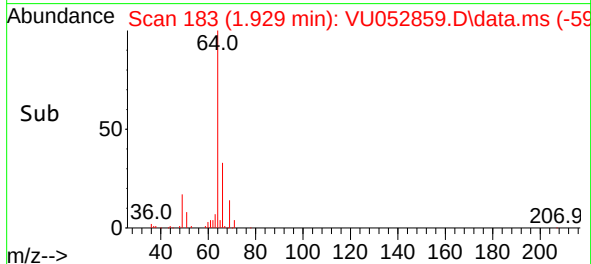
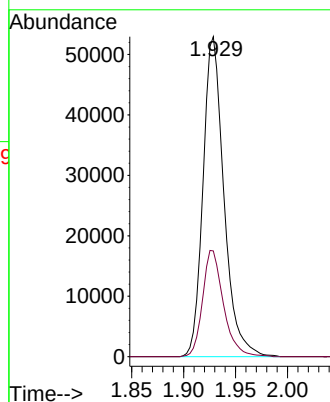
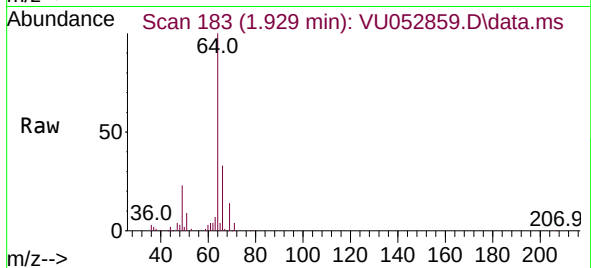




#8
Chloroethane
Concen: 57.207 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

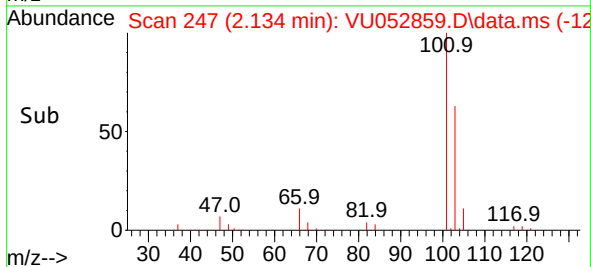
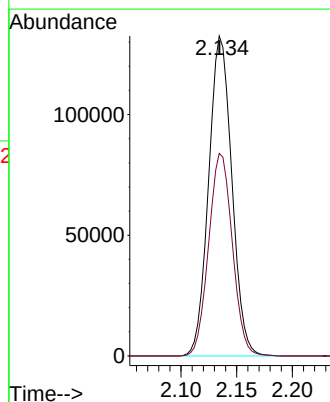
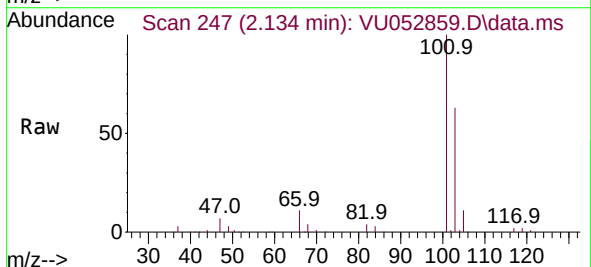
Instrument :
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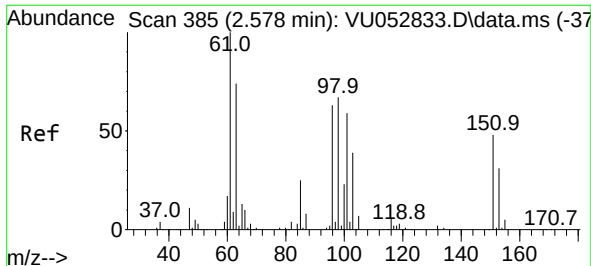
Tgt Ion: 64 Resp: 74136
Ion Ratio Lower Upper
64 100
66 33.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 55.556 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 101 Resp: 191992
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0

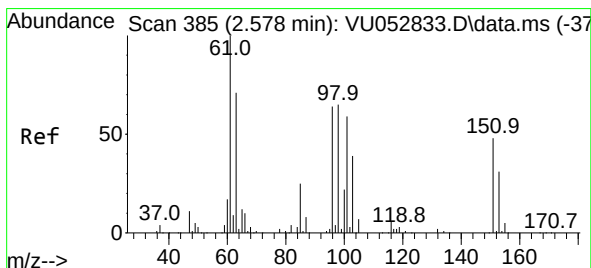
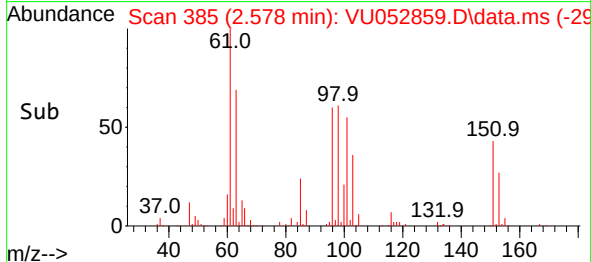
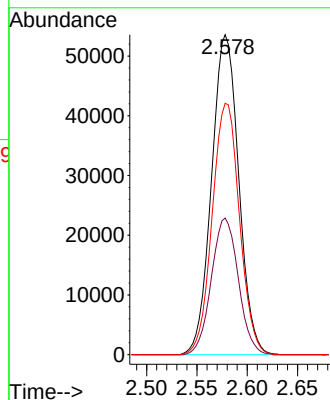
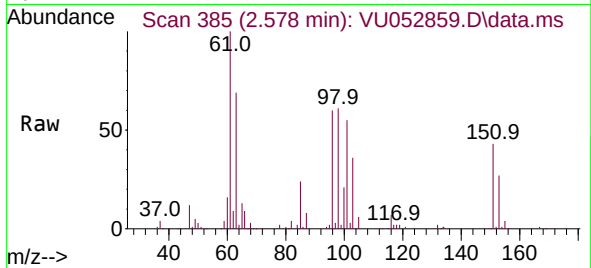




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.648 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

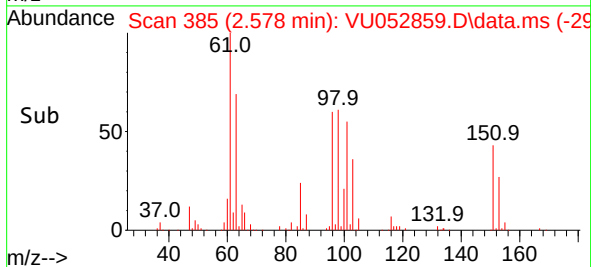
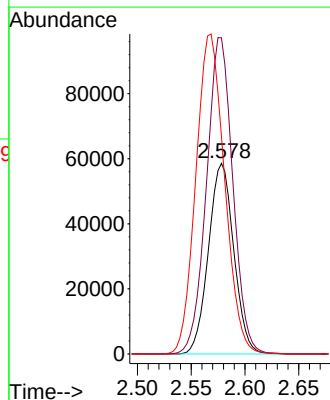
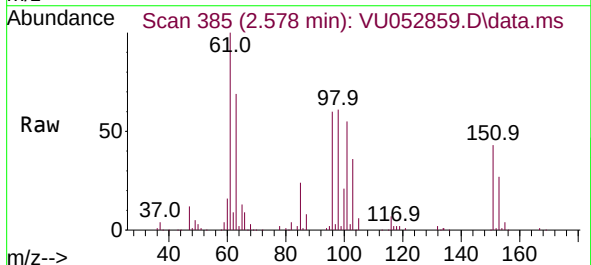
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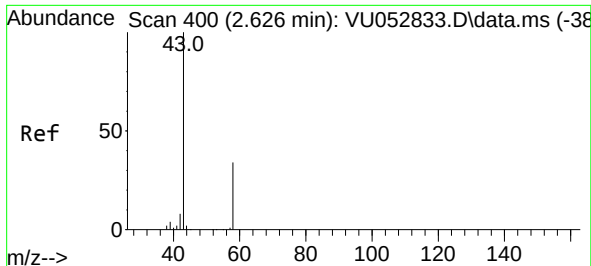
Tgt Ion:101 Resp: 100606
 Ion Ratio Lower Upper
 101 100
 85 42.4 32.9 49.3
 151 79.0 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 53.711 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

Tgt Ion: 96 Resp: 95953
 Ion Ratio Lower Upper
 96 100
 61 165.7 114.3 212.3
 63 114.0 80.6 149.6





#13

Acetone

Concen: 79.010 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

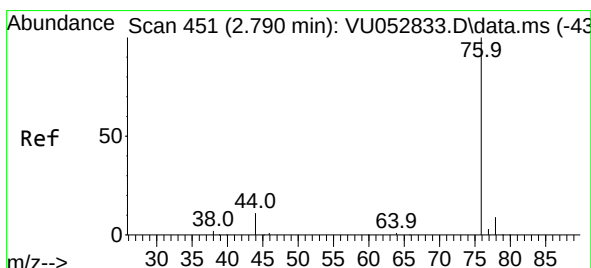
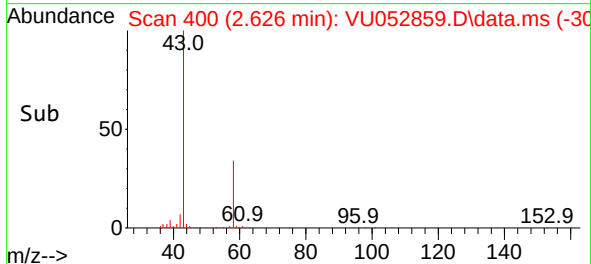
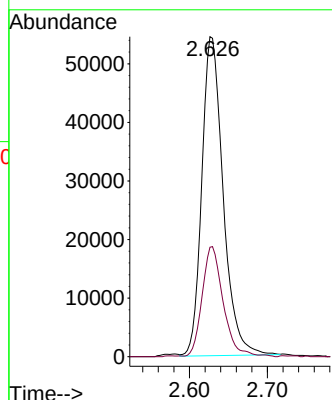
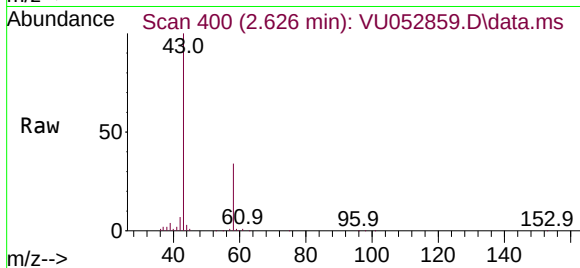
VSTD050144

Tgt Ion: 43 Resp: 103613

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.2



#14

Carbon disulfide

Concen: 51.540 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052859.D

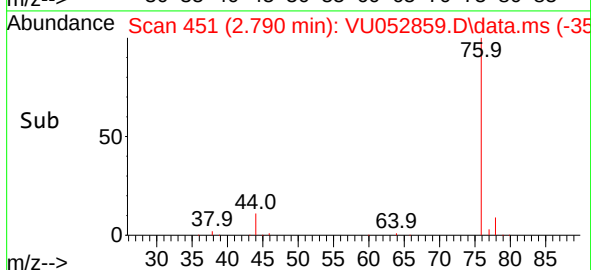
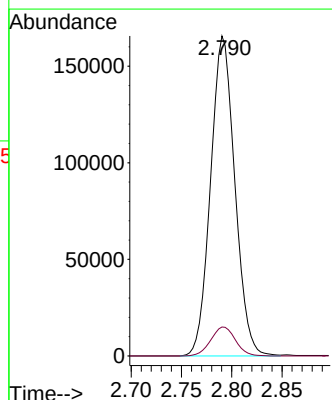
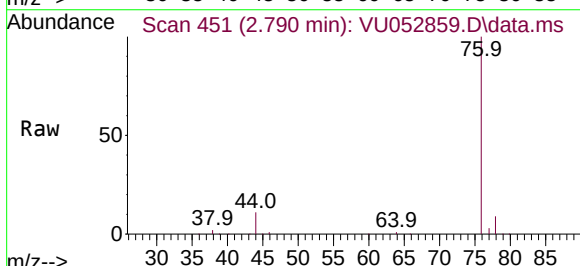
Acq: 27 Jan 2023 20:03

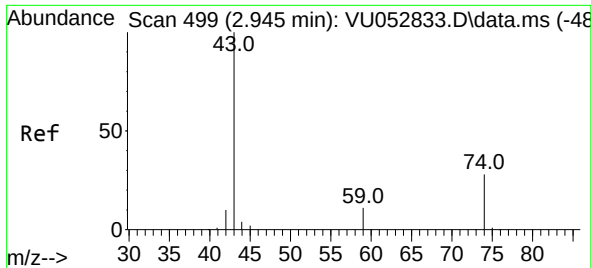
Tgt Ion: 76 Resp: 278090

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

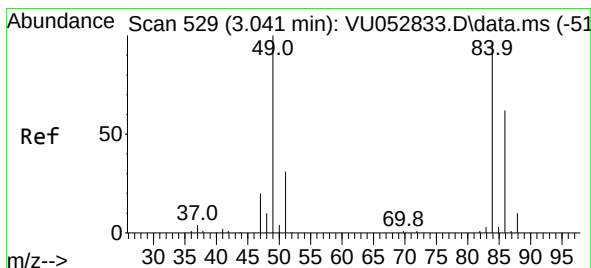
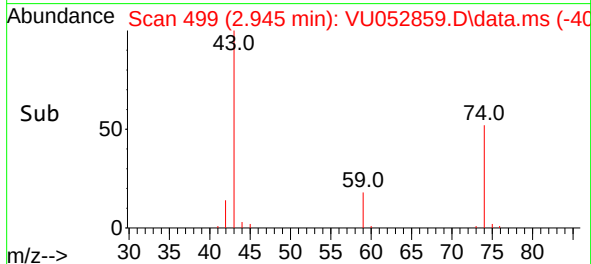
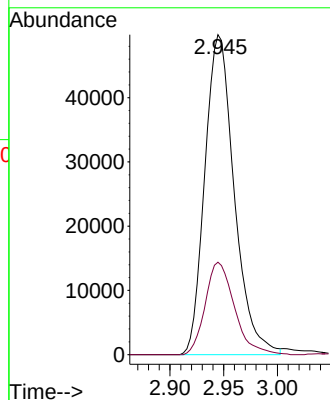
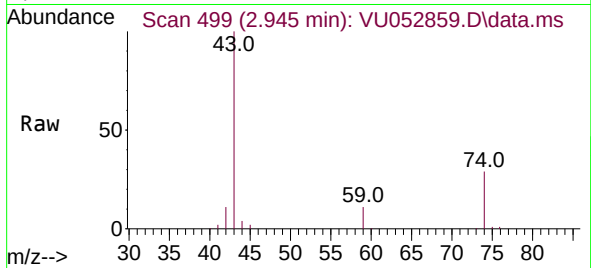




#15
Methyl Acetate
Concen: 53.720 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

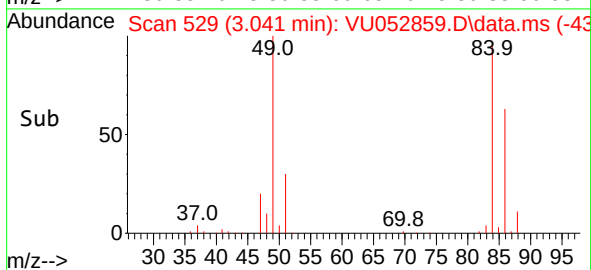
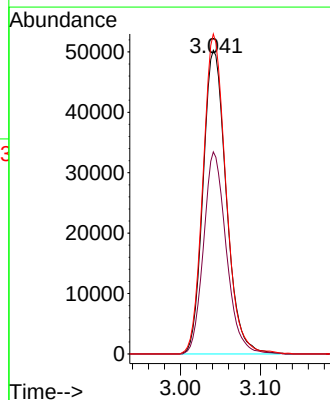
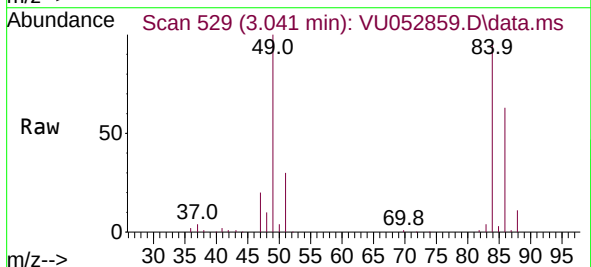
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

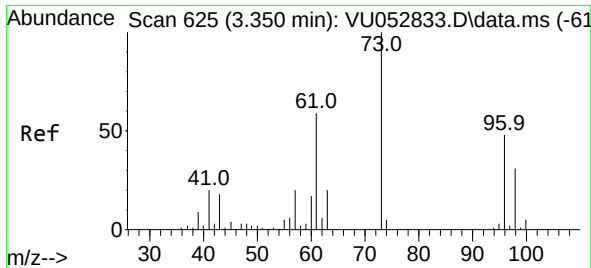
Tgt Ion: 43 Resp: 94919
Ion Ratio Lower Upper
43 100
74 28.7 22.0 33.0



#16
Methylene chloride
Concen: 47.755 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 84 Resp: 101485
Ion Ratio Lower Upper
84 100
86 66.5 43.4 80.6
49 105.3 72.4 134.5

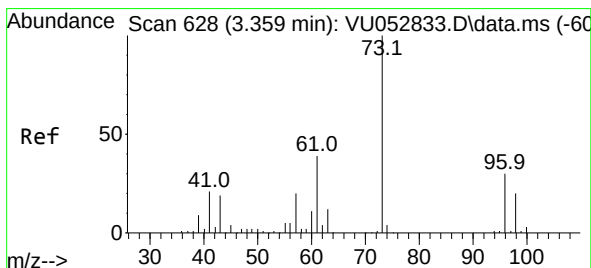
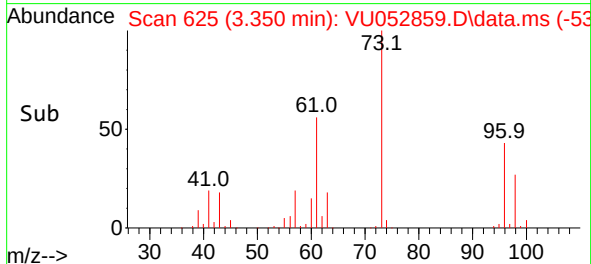
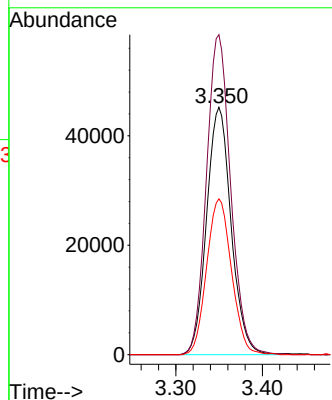
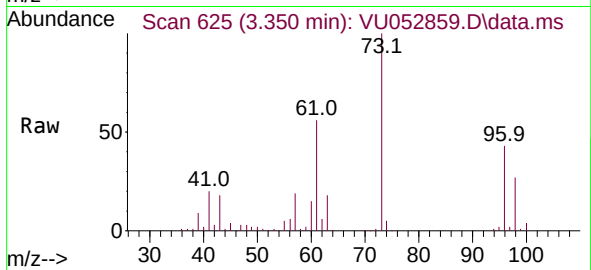




#17
trans-1,2-Dichloroethene
Concen: 46.160 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

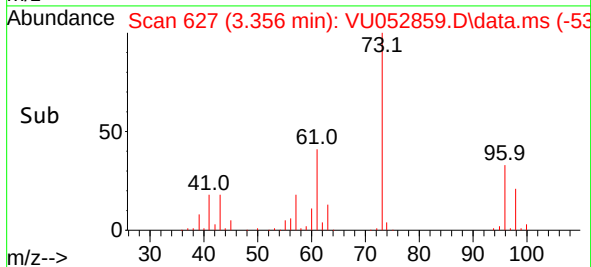
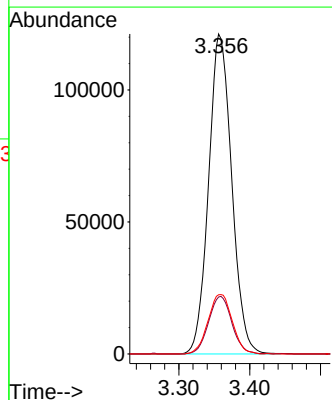
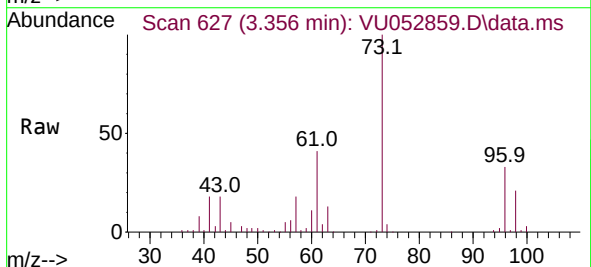
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

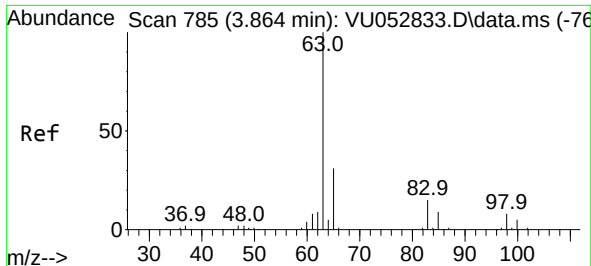
Tgt Ion: 96 Resp: 89115
Ion Ratio Lower Upper
96 100
61 129.4 92.7 172.3
98 63.0 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 48.371 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 73 Resp: 274591
Ion Ratio Lower Upper
73 100
43 18.1 14.2 21.2
57 19.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 45.549 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050144

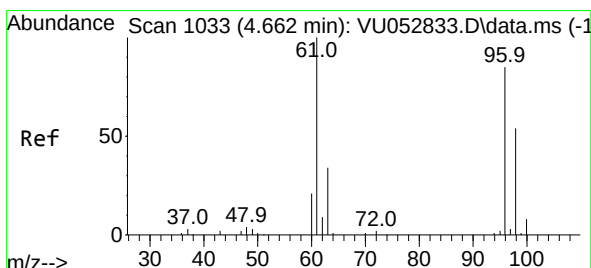
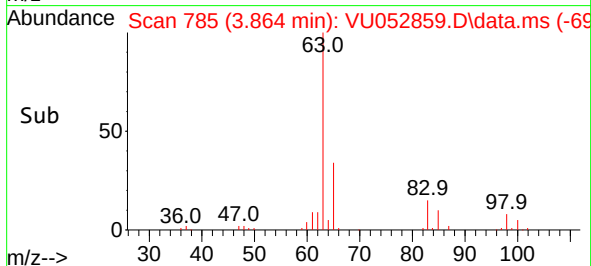
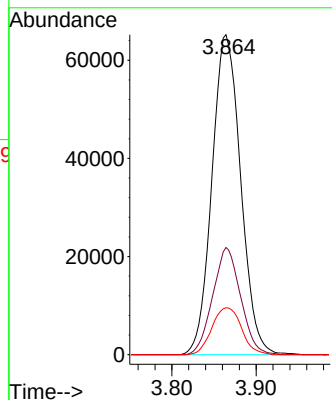
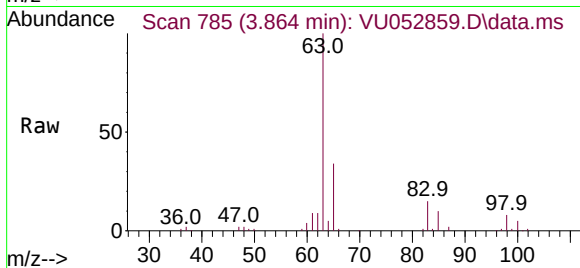
Tgt Ion: 63 Resp: 154222

Ion Ratio Lower Upper

63 100

65 33.5 22.4 41.6

83 14.7 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 48.304 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

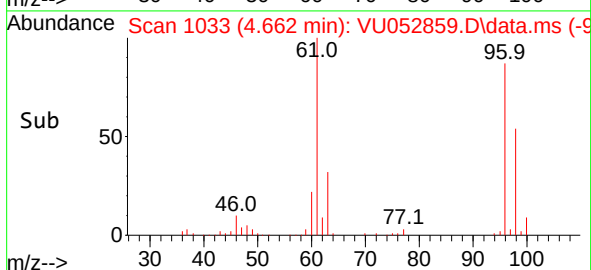
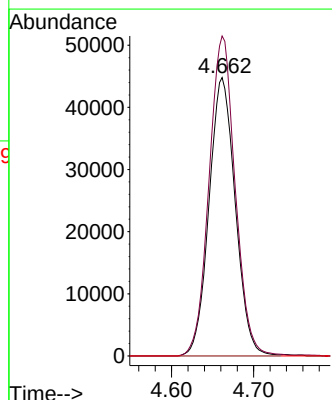
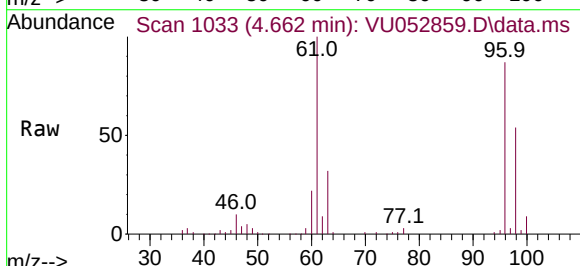
Tgt Ion: 96 Resp: 99566

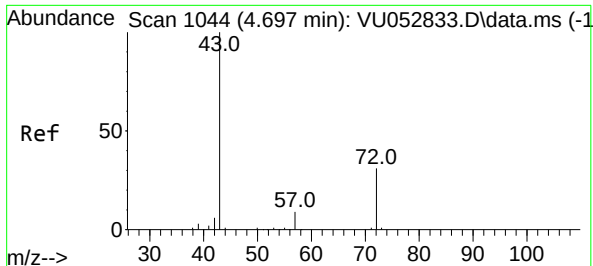
Ion Ratio Lower Upper

96 100

61 114.9 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 80.749 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

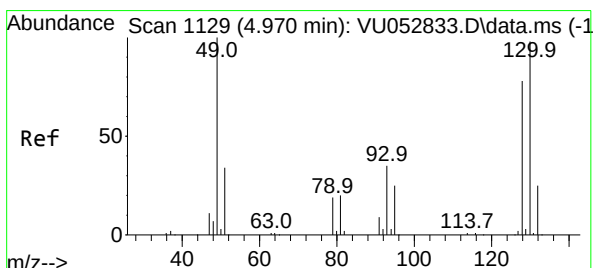
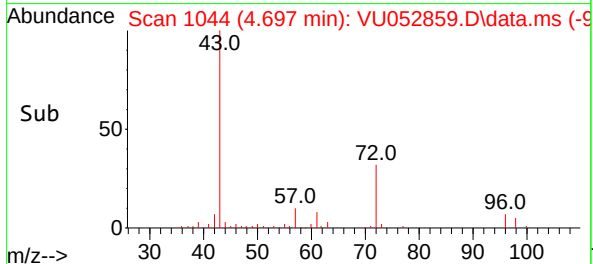
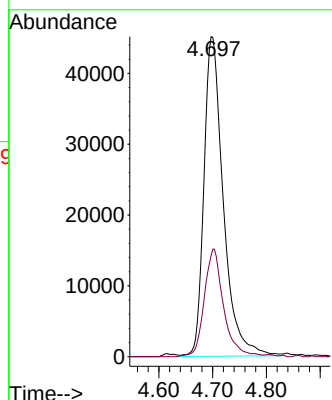
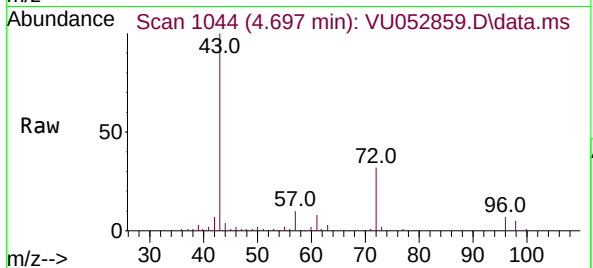
VSTD050144

Tgt Ion: 43 Resp: 113187

Ion Ratio Lower Upper

43 100

72 33.1 15.5 46.5



#23

Bromochloromethane

Concen: 47.847 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Tgt Ion:128 Resp: 55382

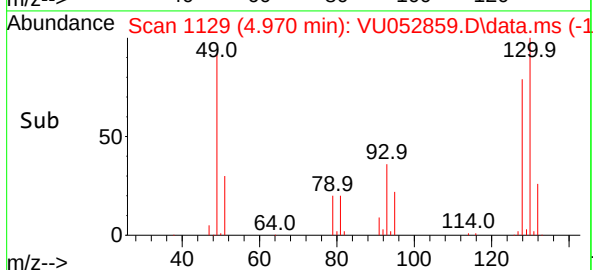
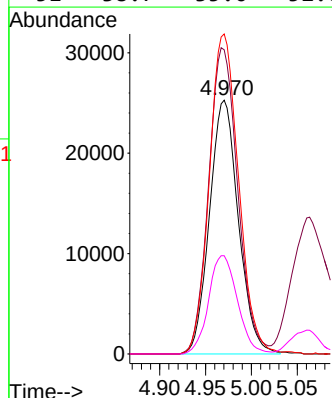
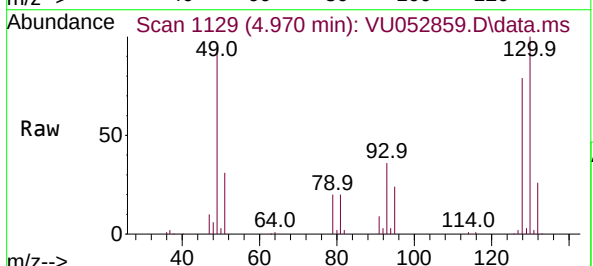
Ion Ratio Lower Upper

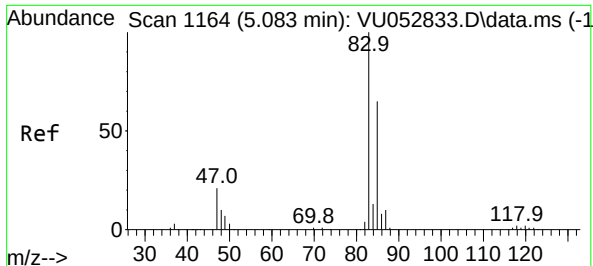
128 100

49 119.8 90.1 167.3

130 126.1 90.1 167.3

51 38.7 35.0 52.6





#25

Chloroform

Concen: 47.105 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

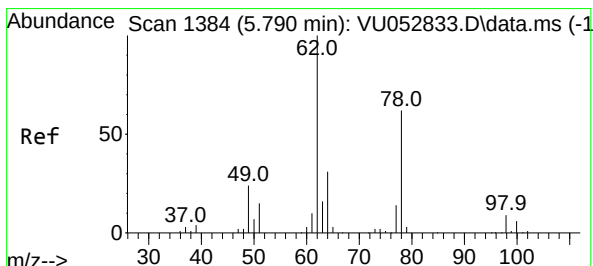
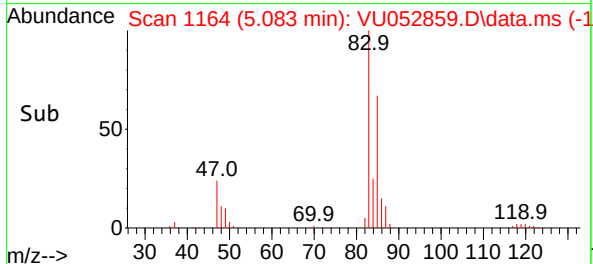
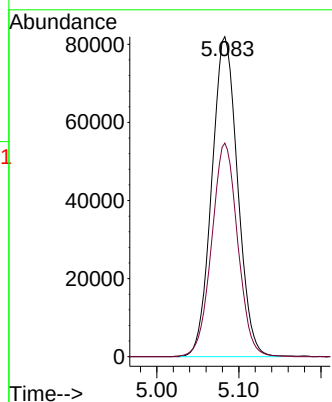
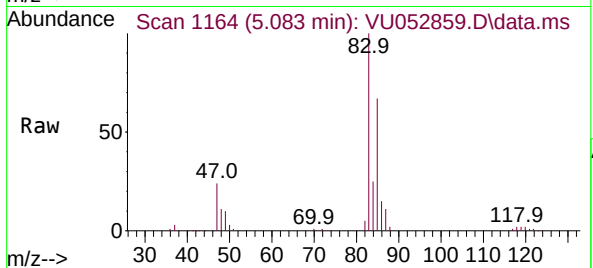
VSTD050144

Tgt Ion: 83 Resp: 179043

Ion Ratio Lower Upper

83 100

85 66.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 47.851 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU052859.D

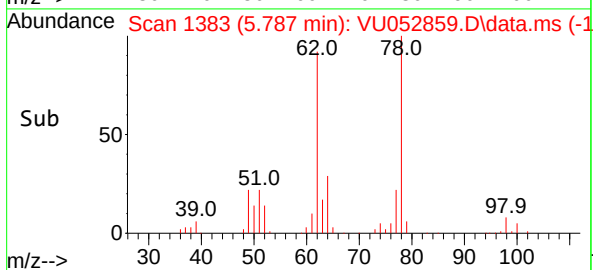
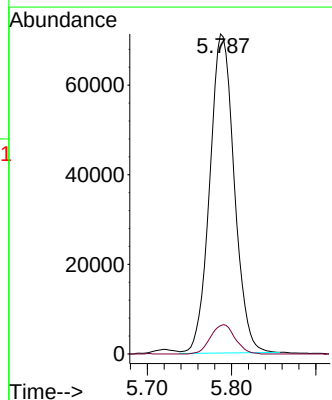
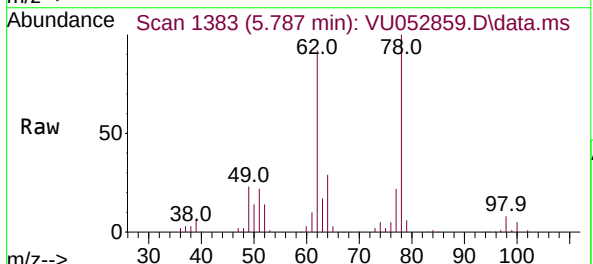
Acq: 27 Jan 2023 20:03

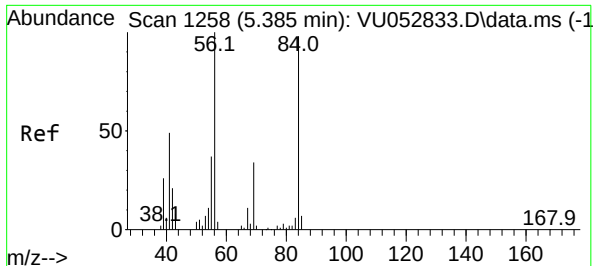
Tgt Ion: 62 Resp: 143985

Ion Ratio Lower Upper

62 100

98 8.9 7.6 11.4





#29

Cyclohexane

Concen: 40.112 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050144

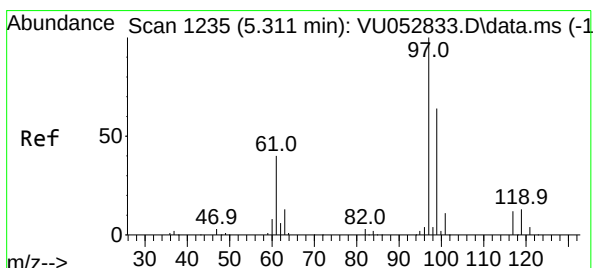
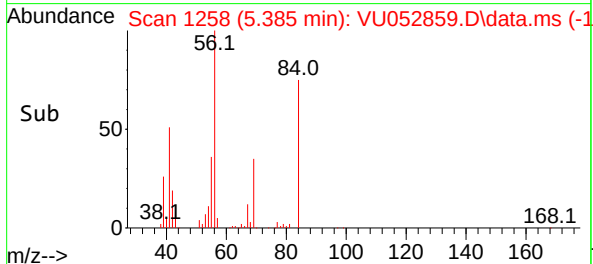
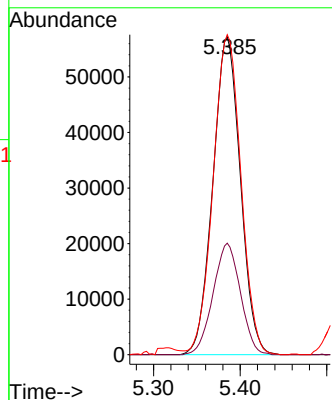
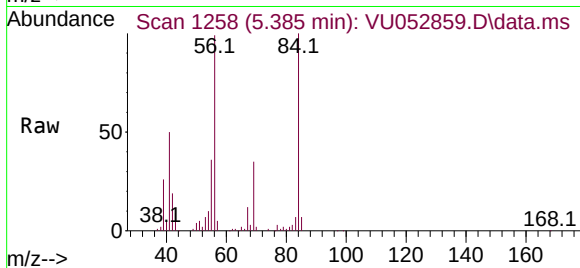
Tgt Ion: 56 Resp: 126114

Ion Ratio Lower Upper

56 100

69 34.8 26.6 40.0

84 101.8 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 42.392 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

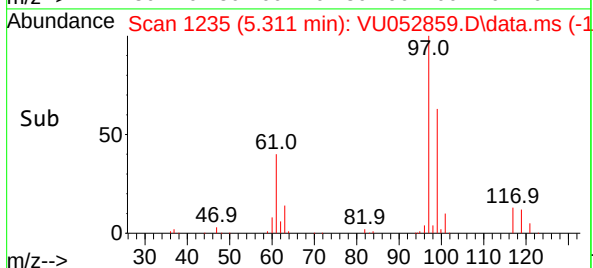
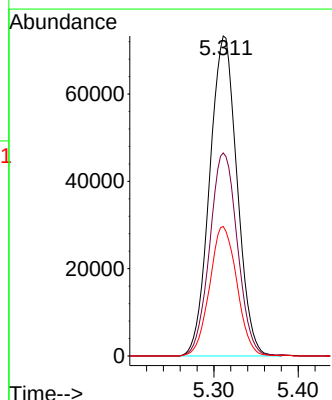
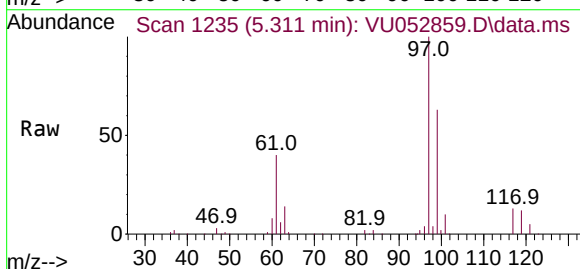
Tgt Ion: 97 Resp: 165441

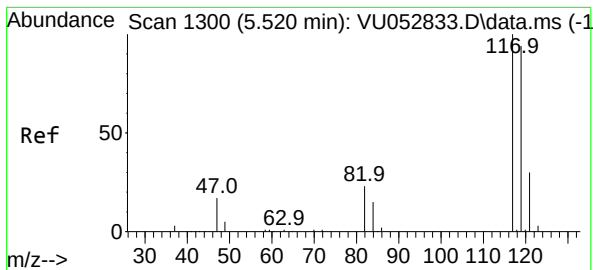
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 40.3 33.0 49.6

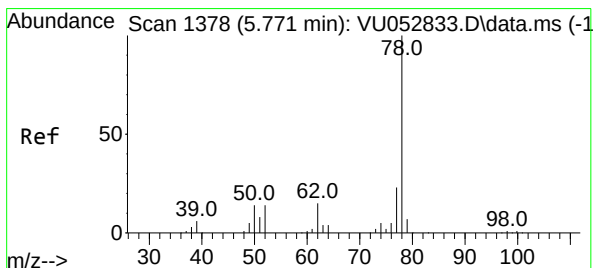
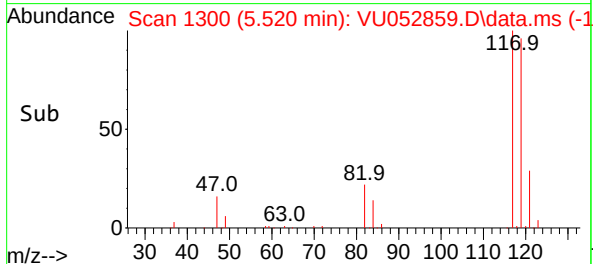
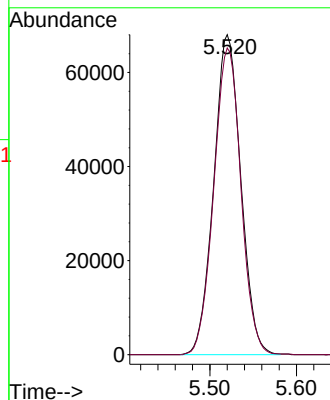
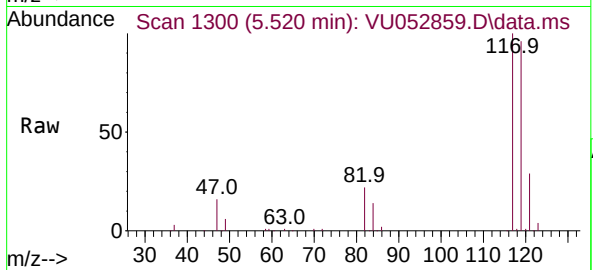




#31
Carbon tetrachloride
Concen: 43.697 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

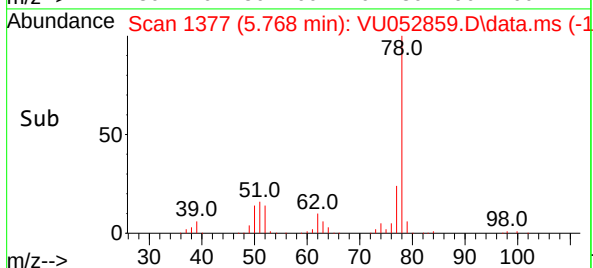
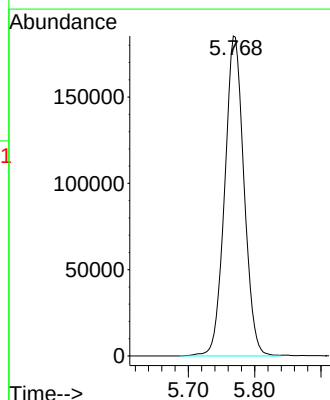
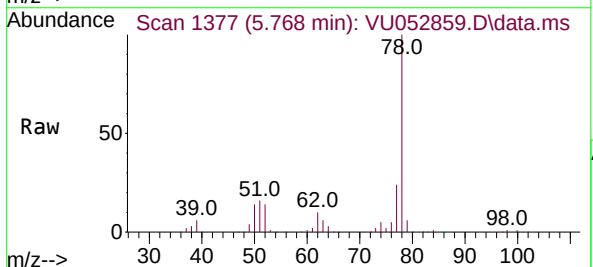
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

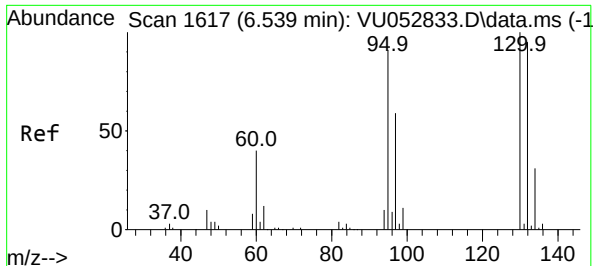
Tgt Ion:117 Resp: 147829
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.4



#33
Benzene
Concen: 41.506 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 78 Resp: 374869

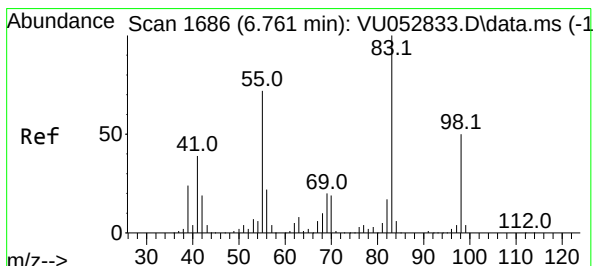
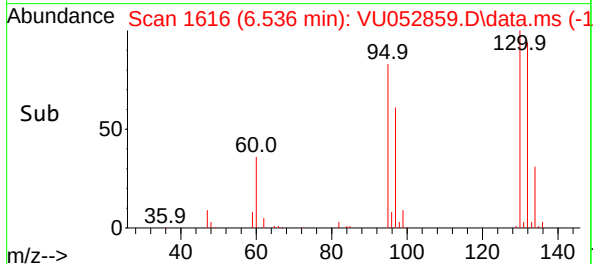
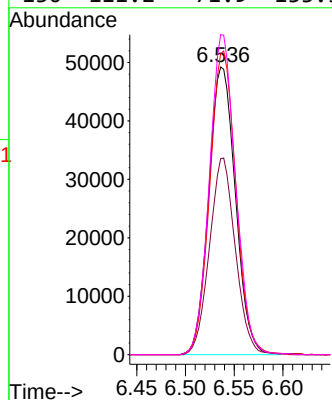
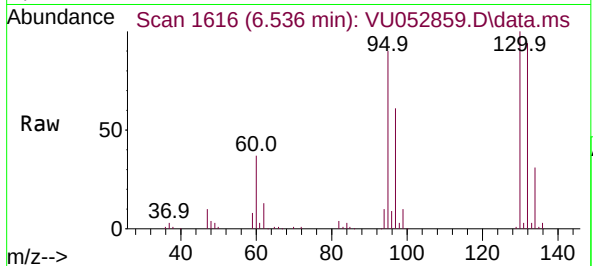




#34
Trichloroethene
Concen: 40.967 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

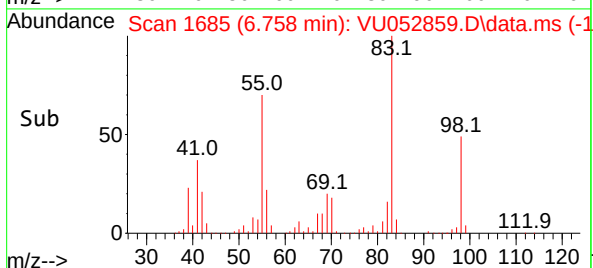
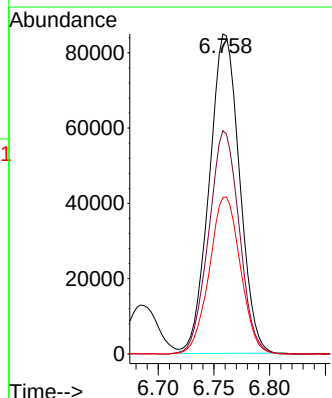
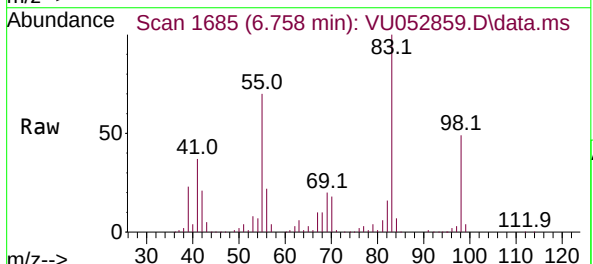
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

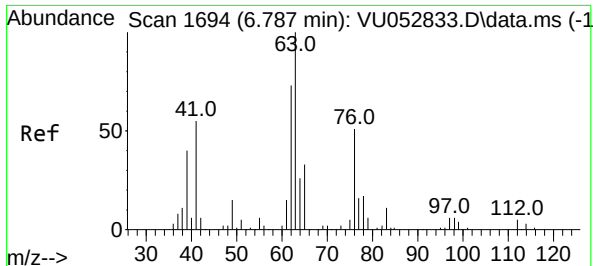
Tgt Ion: 95 Resp: 94043
Ion Ratio Lower Upper
95 100
97 68.2 44.5 82.7
132 104.6 66.8 124.0
130 111.2 71.9 133.5



#35
Methylcyclohexane
Concen: 44.088 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 83 Resp: 160185
Ion Ratio Lower Upper
83 100
55 70.7 57.1 85.7
98 50.7 38.9 58.3





#37

1,2-Dichloropropane

Concen: 45.562 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

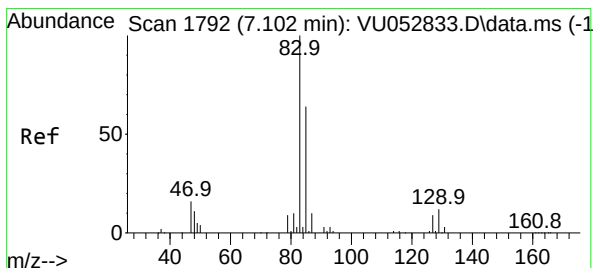
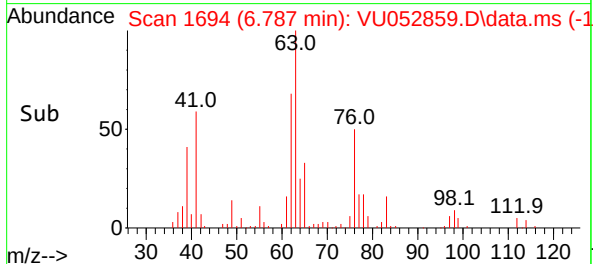
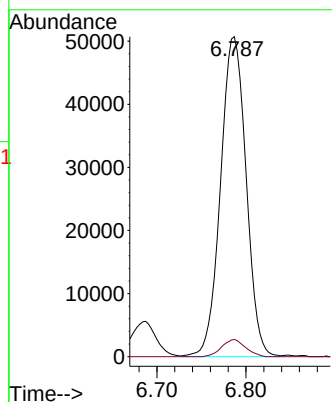
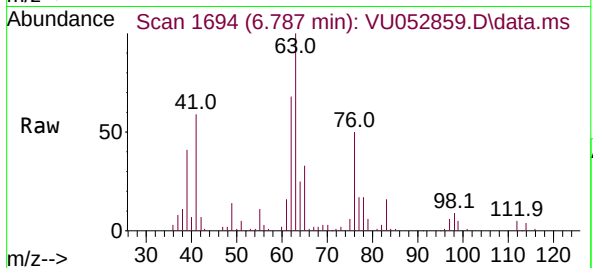
VSTD050144

Tgt Ion: 63 Resp: 101167

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 49.584 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

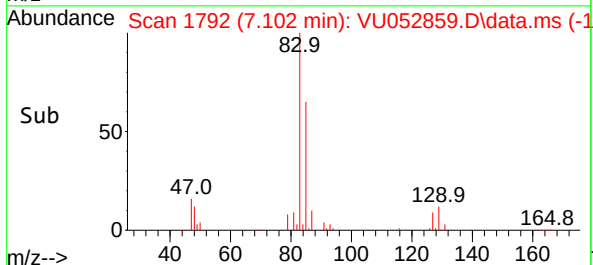
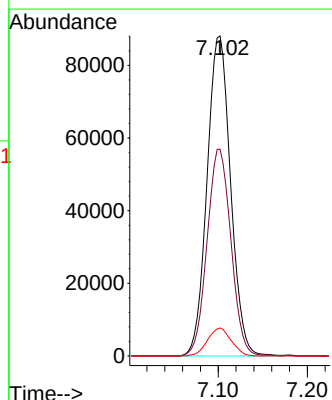
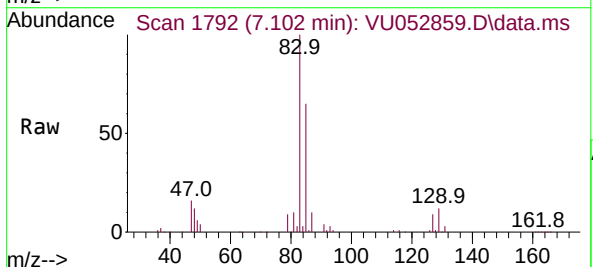
Tgt Ion: 83 Resp: 161565

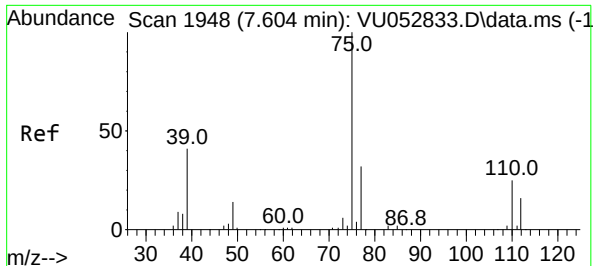
Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

127 8.8 7.4 11.0

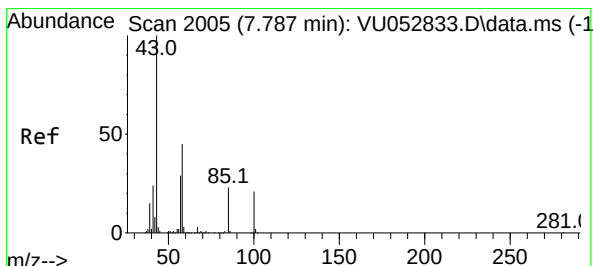
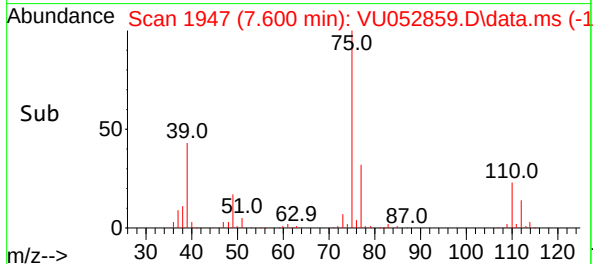
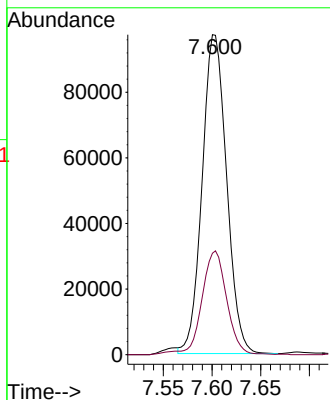
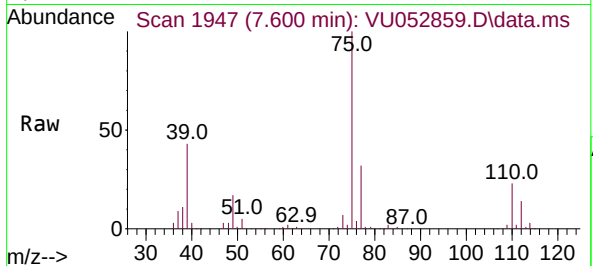




#39
 cis-1,3-Dichloropropene
 Concen: 48.755 ug/L
 RT: 7.600 min Scan# 1948
 Delta R.T. -0.003 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

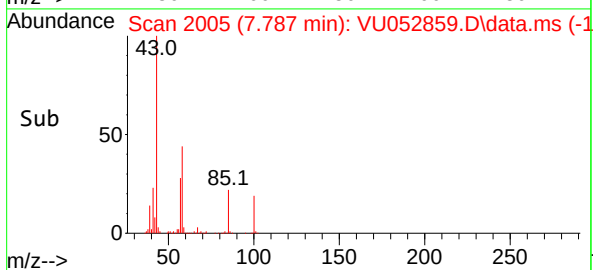
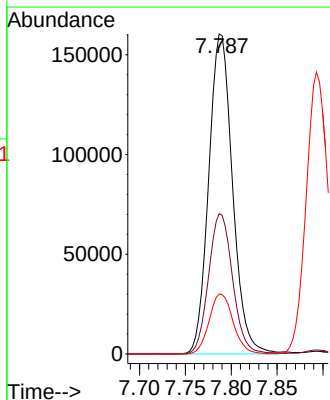
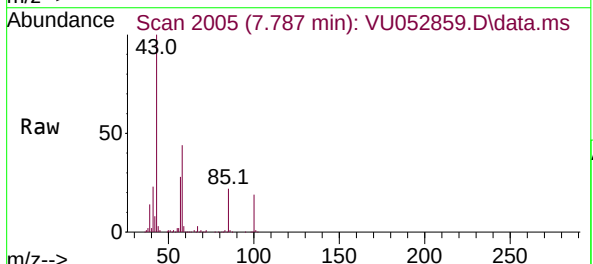
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

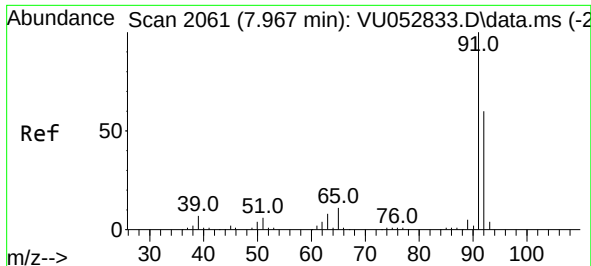
Tgt Ion: 75 Resp: 169581
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 111.010 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

Tgt Ion: 43 Resp: 290398
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.4 53.2
 100 18.9 16.0 24.0





#42

Toluene

Concen: 51.796 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

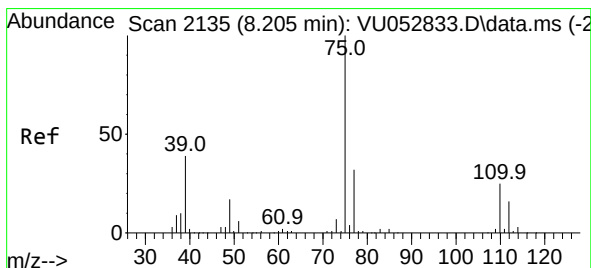
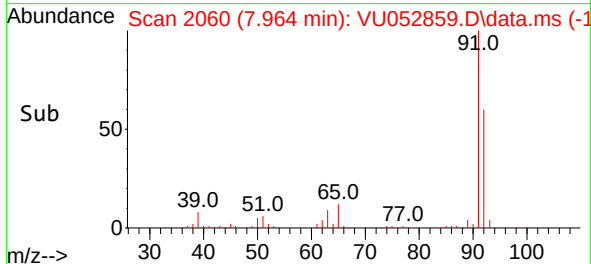
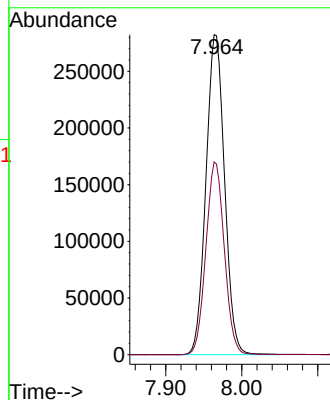
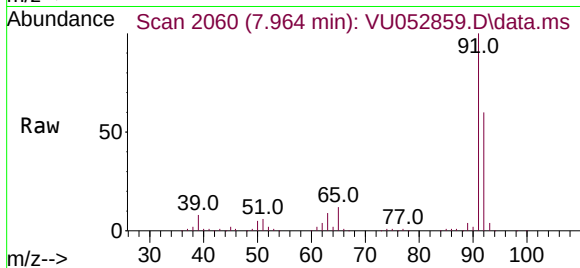
VSTD050144

Tgt Ion: 91 Resp: 479437

Ion Ratio Lower Upper

91 100

92 60.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 50.813 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052859.D

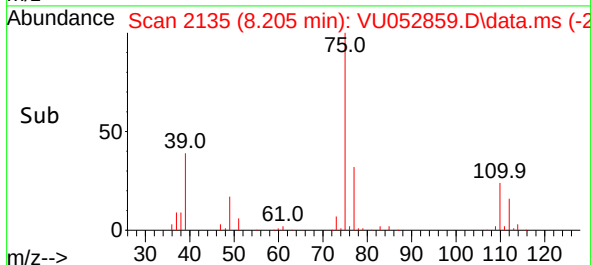
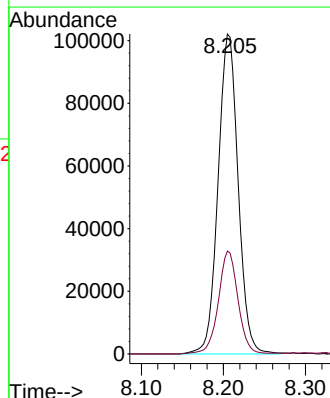
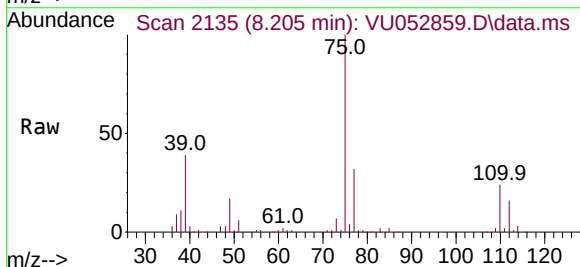
Acq: 27 Jan 2023 20:03

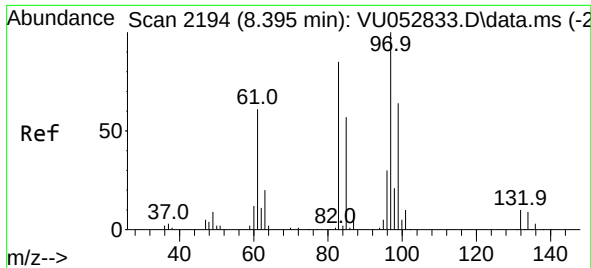
Tgt Ion: 75 Resp: 173690

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3

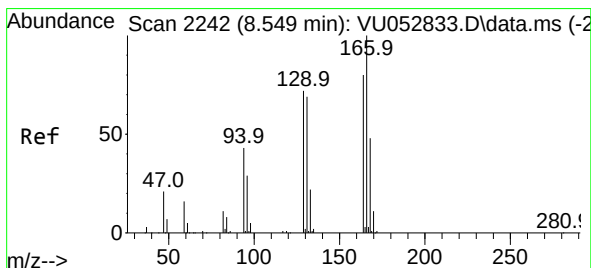
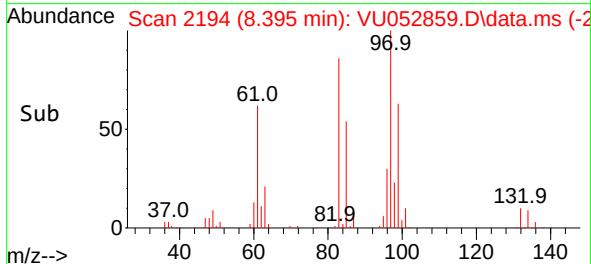
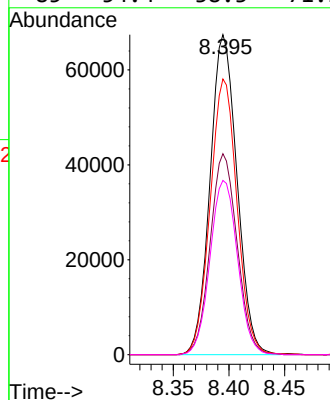
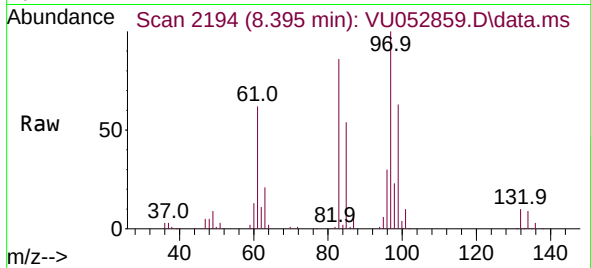




#45
1,1,2-Trichloroethane
Concen: 49.977 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

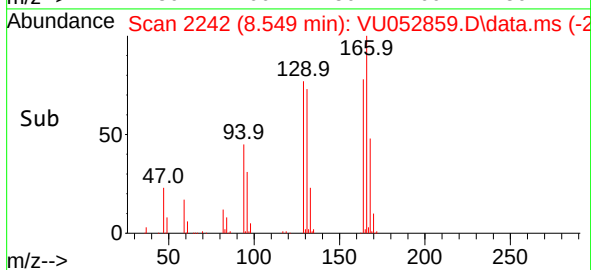
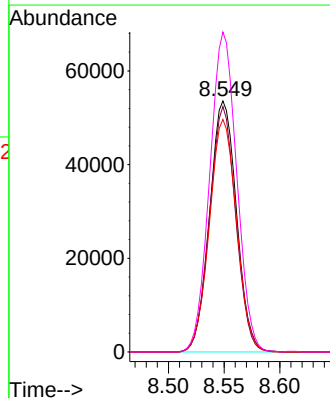
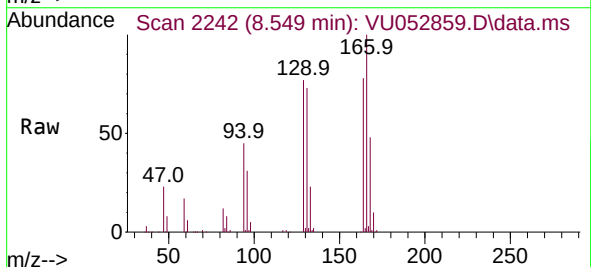
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

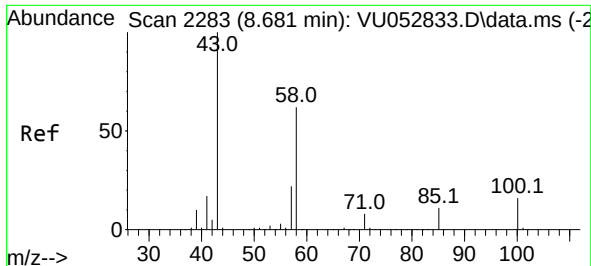
Tgt Ion:	97	Resp:	113481
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.7	83.1
83	86.1	60.3	112.1
85	54.4	38.3	71.1



#46
Tetrachloroethene
Concen: 45.389 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion:	164	Resp:	89720
Ion	Ratio	Lower	Upper
164	100		
129	97.8	64.8	120.3
131	92.6	61.2	113.6
166	127.5	89.2	165.8



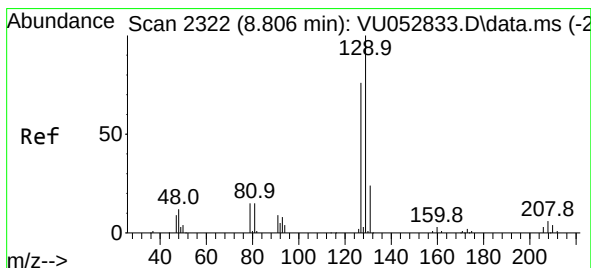
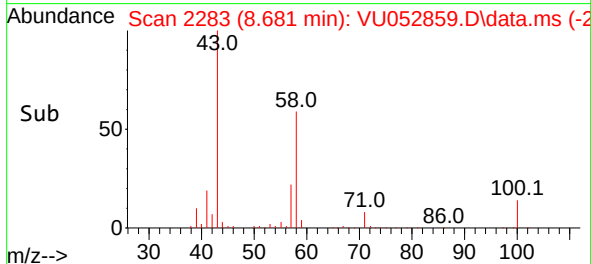
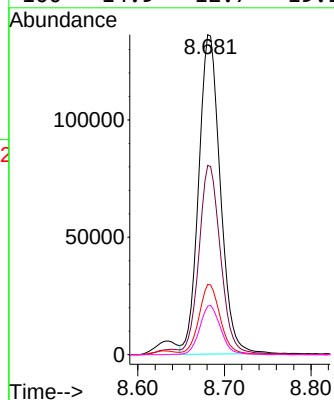
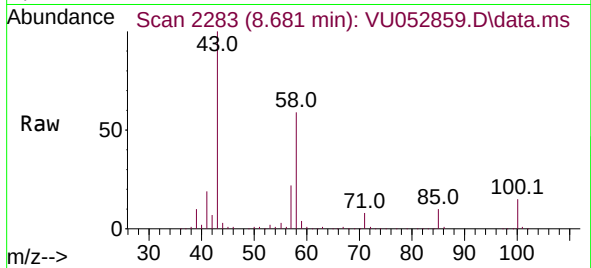


#48
2-Hexanone
Concen: 106.395 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

Tgt Ion: 43 Resp: 235459

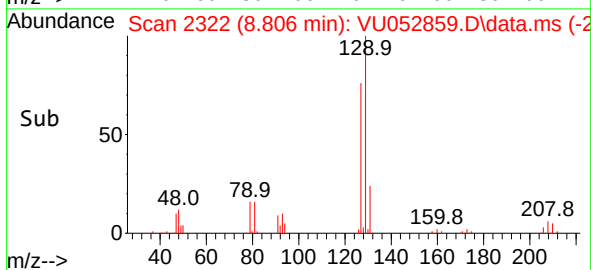
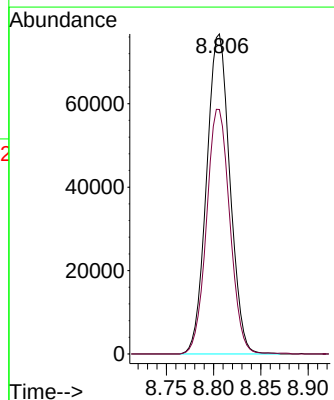
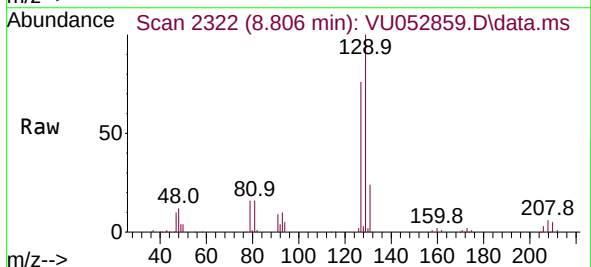
Ion	Ratio	Lower	Upper
43	100		
58	58.7	48.0	72.0
57	22.0	16.8	25.2
100	14.9	12.7	19.1

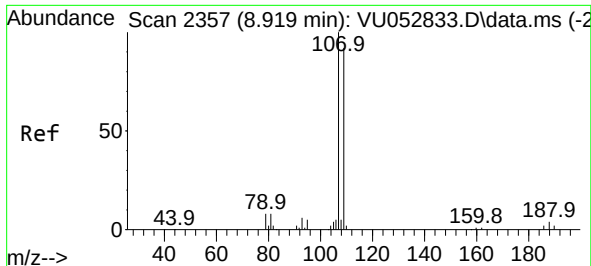


#49
Dibromochloromethane
Concen: 48.535 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 129 Resp: 131790

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.2	98.8





#50

1,2-Dibromoethane

Concen: 49.522 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050144

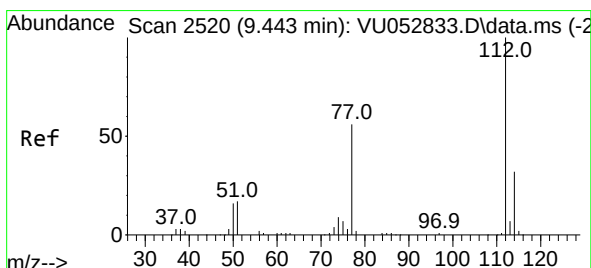
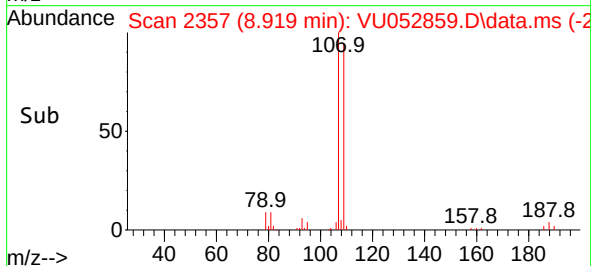
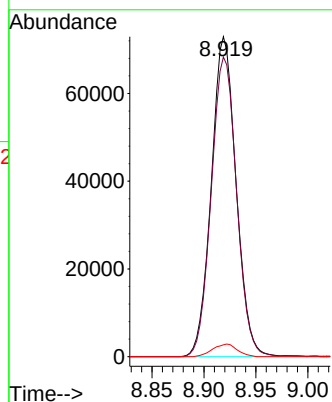
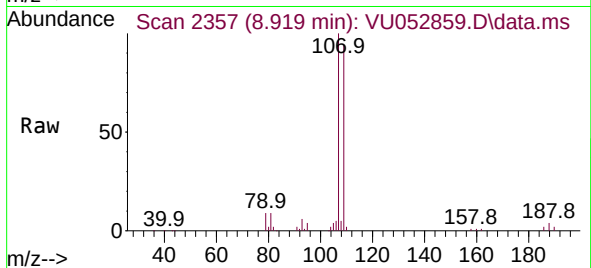
Tgt Ion:107 Resp: 121025

Ion Ratio Lower Upper

107 100

109 93.6 65.5 121.6

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 48.087 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

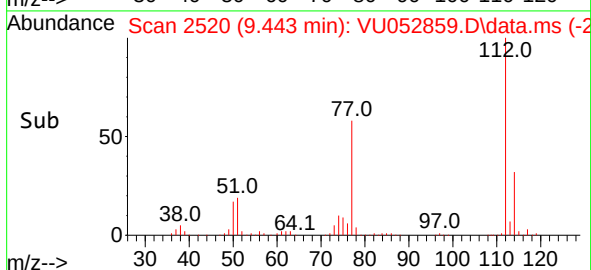
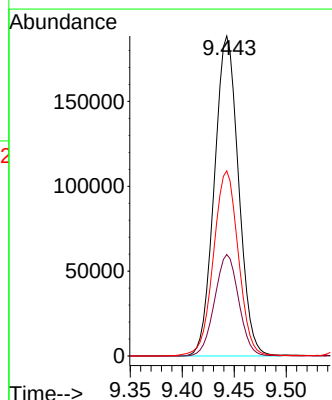
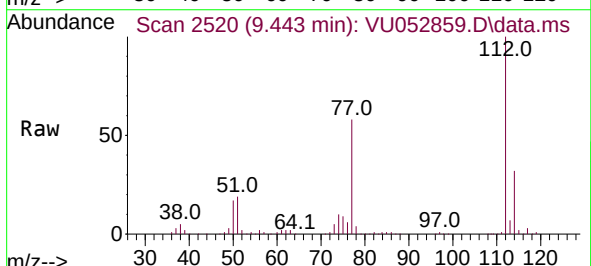
Tgt Ion:112 Resp: 306232

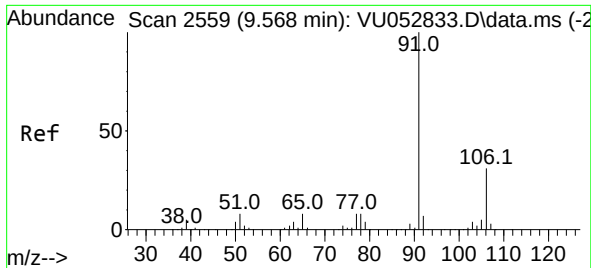
Ion Ratio Lower Upper

112 100

114 31.7 22.8 42.4

77 57.8 45.9 68.9

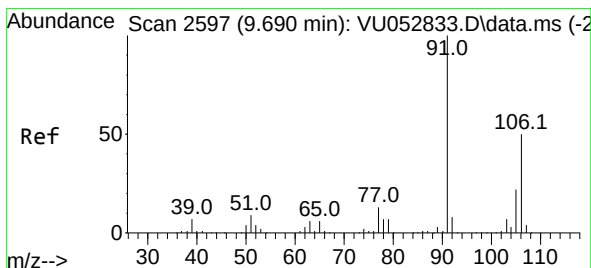
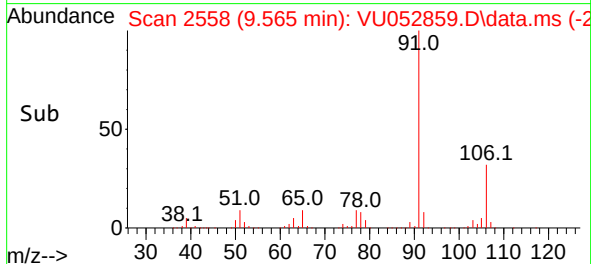
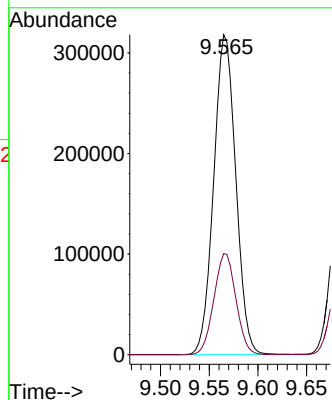
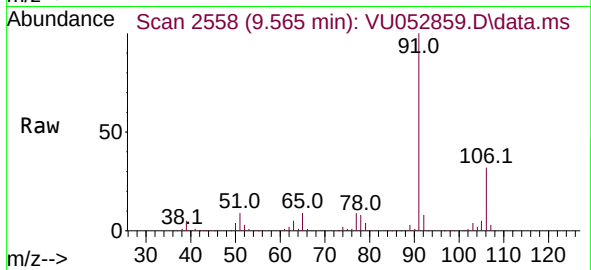




#52
Ethylbenzene
Concen: 50.718 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

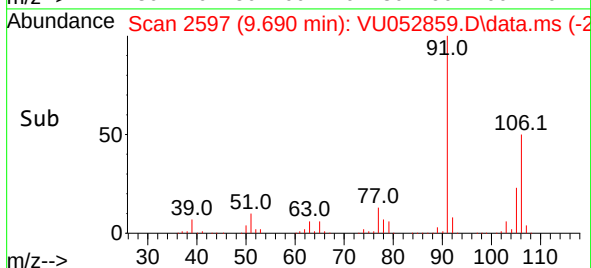
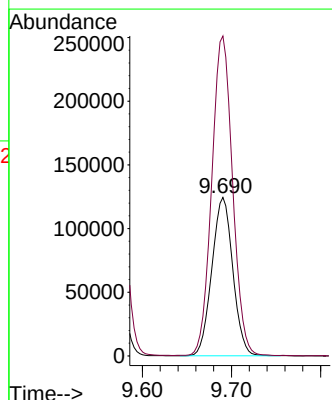
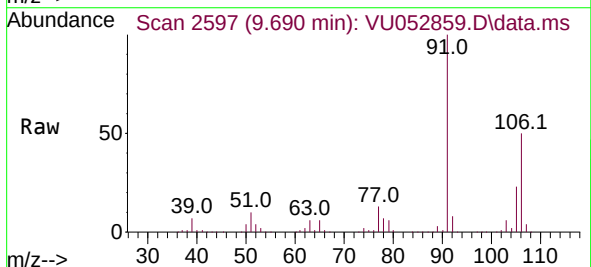
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

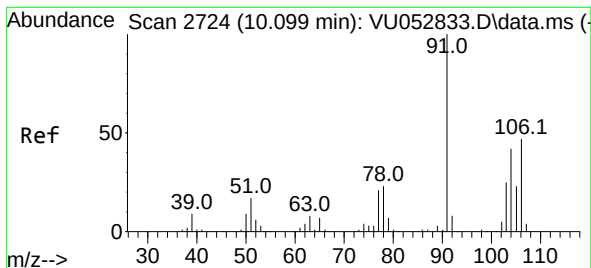
Tgt Ion: 91 Resp: 501695
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8



#53
m,p-Xylene
Concen: 50.649 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 106 Resp: 202826
Ion Ratio Lower Upper
106 100
91 201.8 137.4 255.2





#54

o-xylene

Concen: 52.014 ug/L

RT: 10.095 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

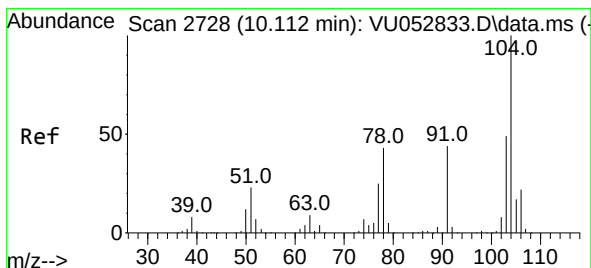
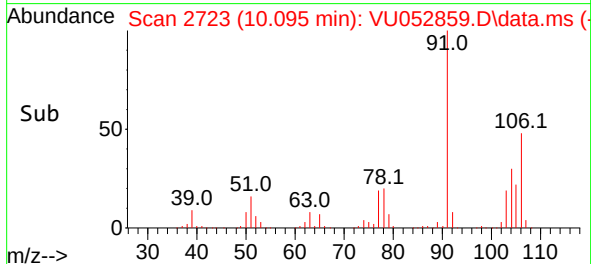
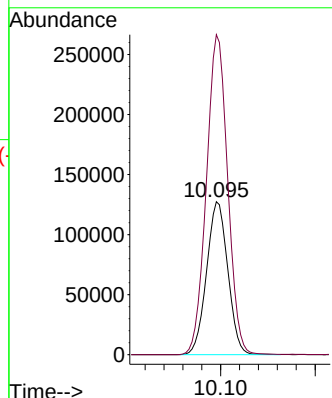
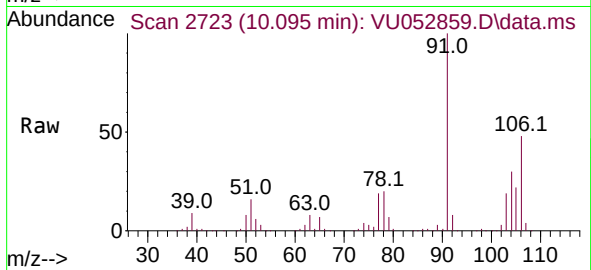
VSTD050144

Tgt Ion:106 Resp: 198847

Ion Ratio Lower Upper

106 100

91 209.3 143.4 266.2



#55

Styrene

Concen: 51.628 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052859.D

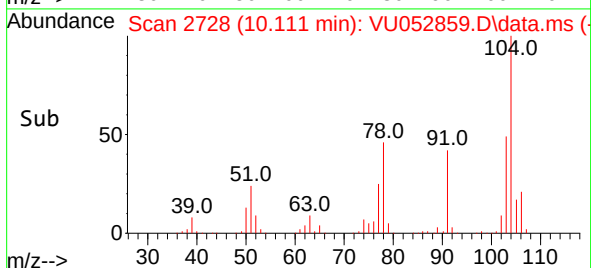
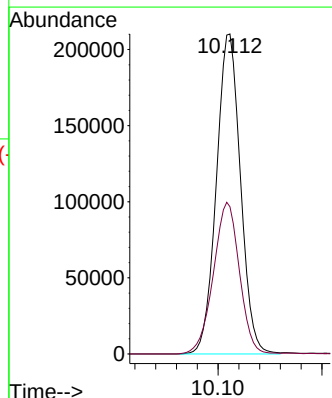
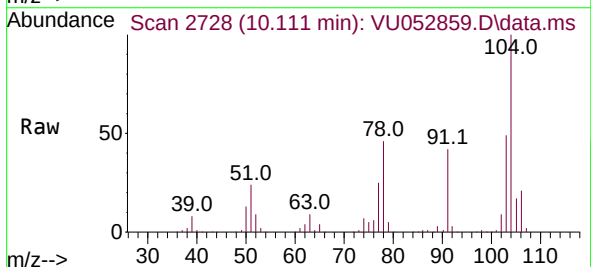
Acq: 27 Jan 2023 20:03

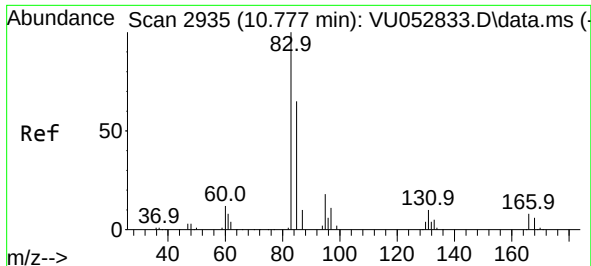
Tgt Ion:104 Resp: 338689

Ion Ratio Lower Upper

104 100

78 46.0 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 51.551 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050144

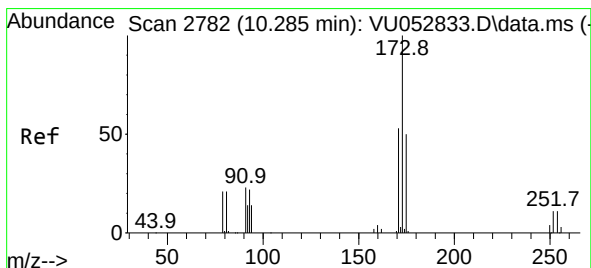
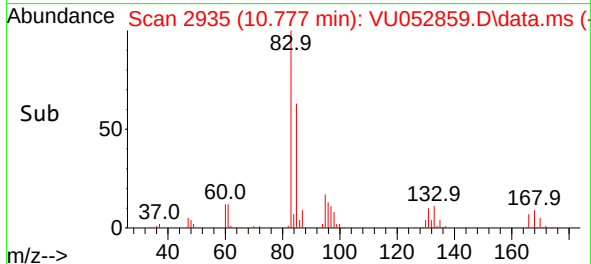
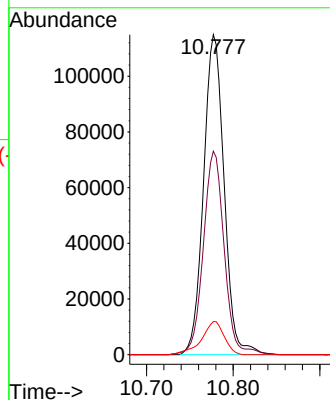
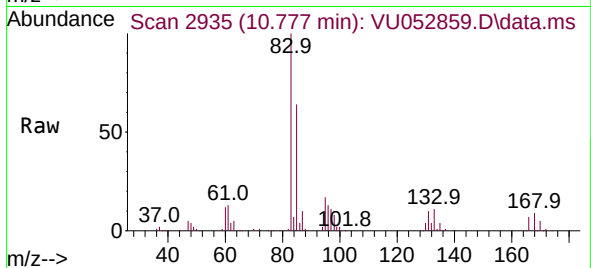
Tgt Ion: 83 Resp: 189435

Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

131 10.3 8.6 12.8



#59

Bromoform

Concen: 47.203 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

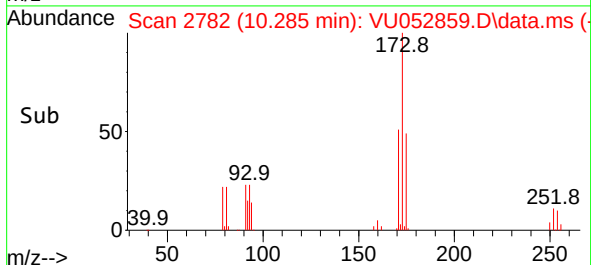
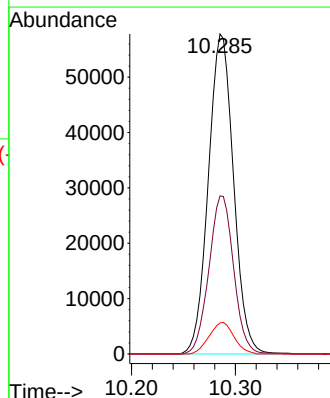
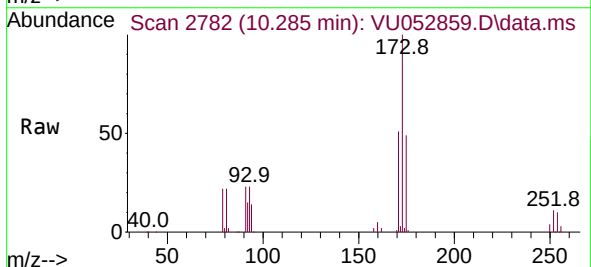
Tgt Ion:173 Resp: 97275

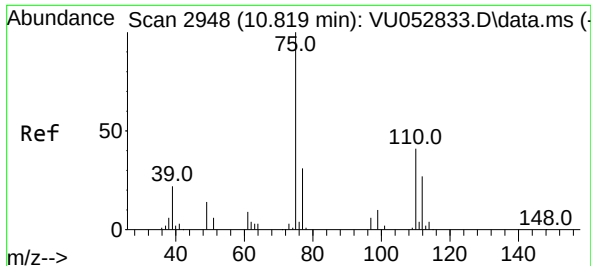
Ion Ratio Lower Upper

173 100

175 48.4 37.7 56.5

254 9.7 8.3 12.5

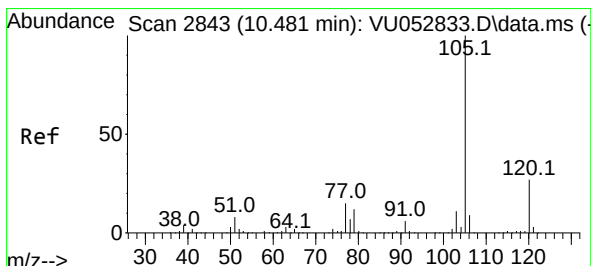
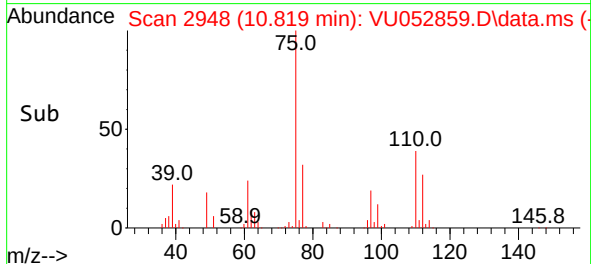
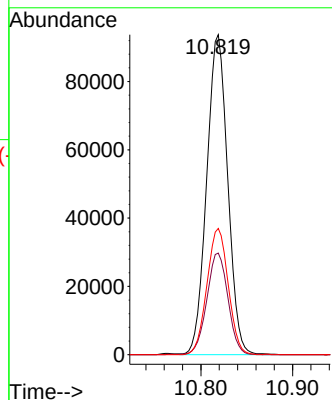
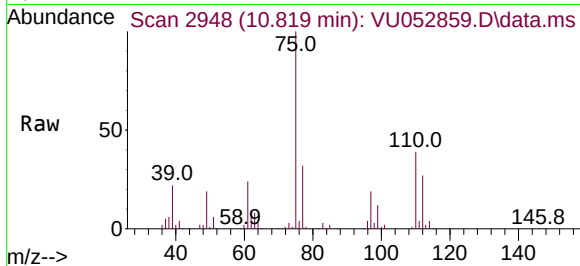




#60
1,2,3-Trichloropropane
Concen: 51.176 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

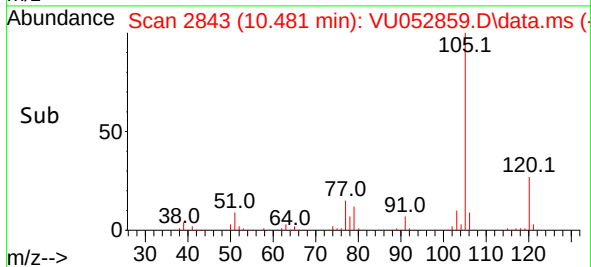
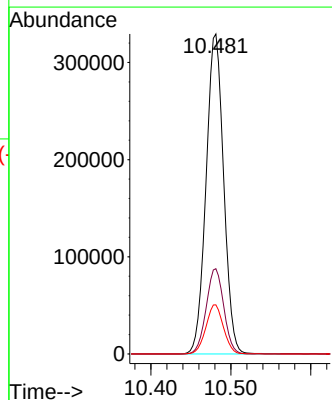
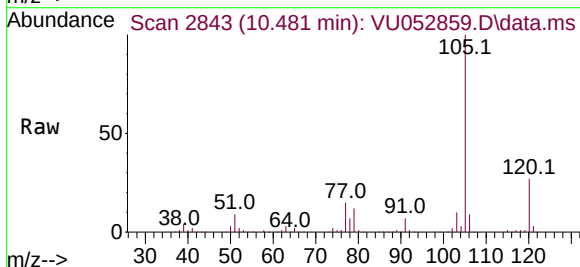
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

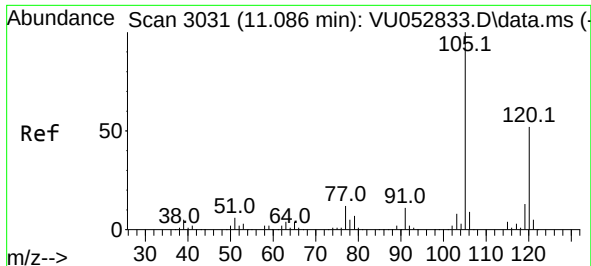
Tgt Ion: 75 Resp: 149287
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
110 39.9 32.4 48.6



#61
Isopropylbenzene
Concen: 51.858 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion: 105 Resp: 503682
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 15.4 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 52.422 ug/L

RT: 11.083 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

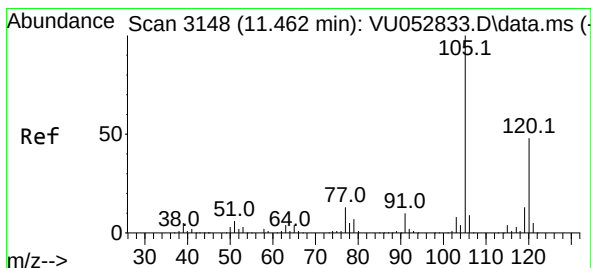
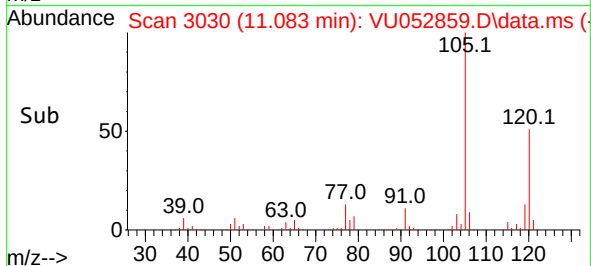
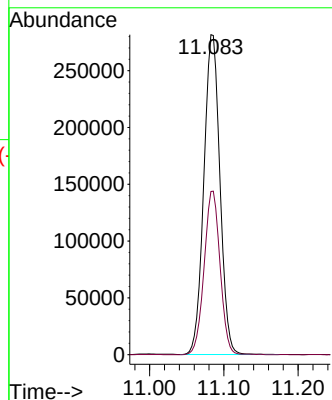
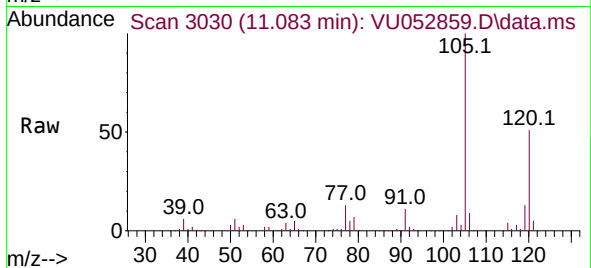
VSTD050144

Tgt Ion:105 Resp: 423943

Ion Ratio Lower Upper

105 100

120 50.5 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 53.627 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052859.D

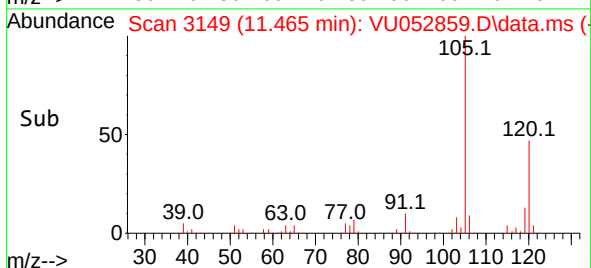
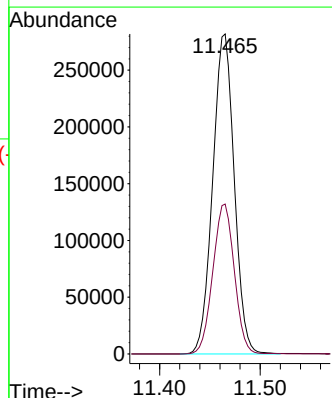
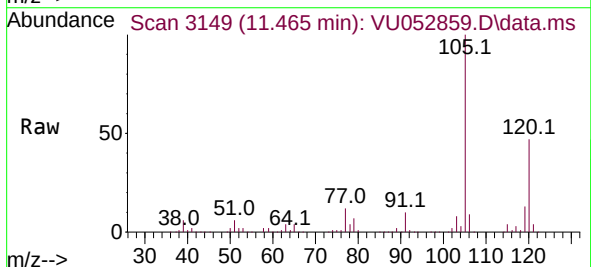
Acq: 27 Jan 2023 20:03

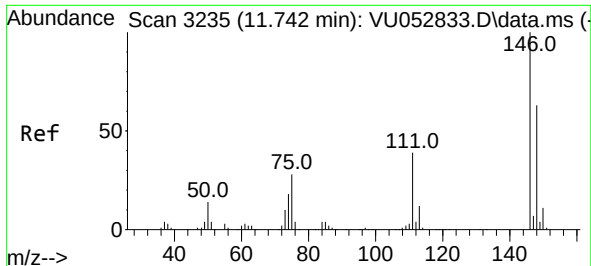
Tgt Ion:105 Resp: 419663

Ion Ratio Lower Upper

105 100

120 46.8 38.1 57.1

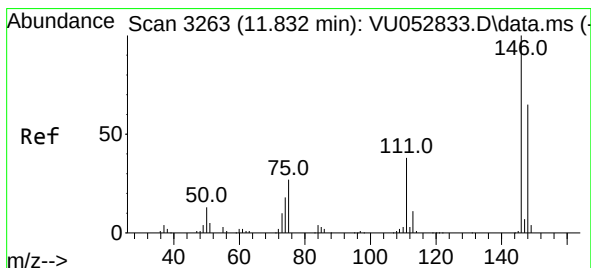
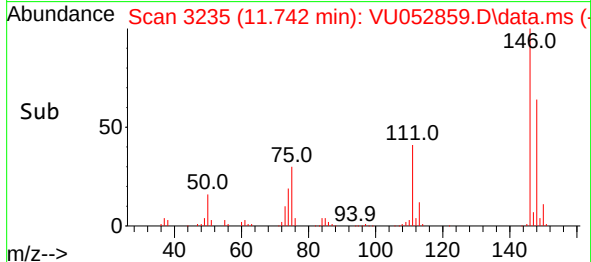
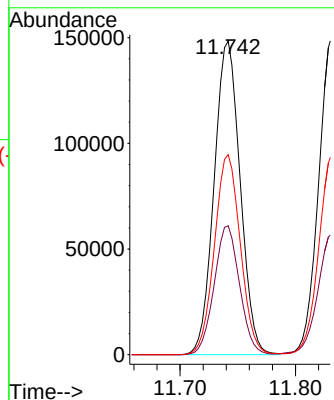
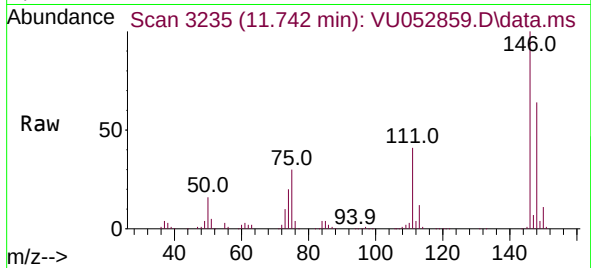




#64
1,3-Dichlorobenzene
Concen: 47.398 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

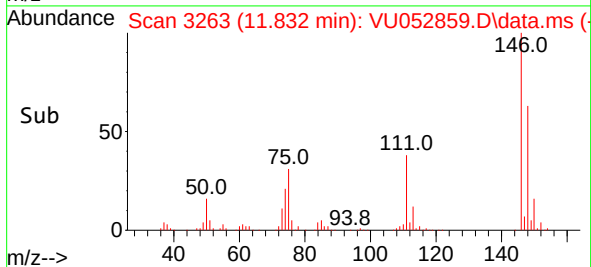
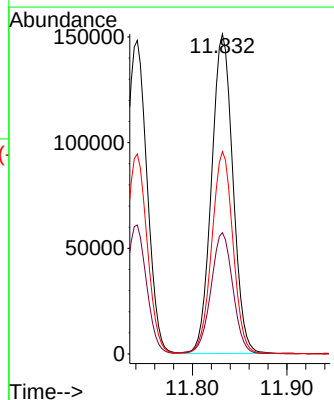
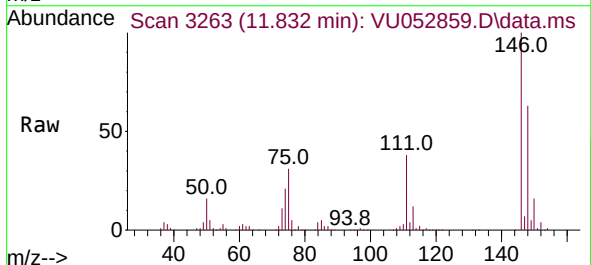
Instrument :
MSVOA_U
ClientSampleId :
VSTD050144

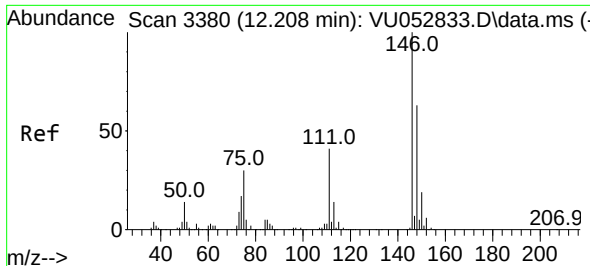
Tgt Ion:146 Resp: 232264
Ion Ratio Lower Upper
146 100
111 41.1 27.8 51.6
148 63.8 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 46.785 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052859.D
Acq: 27 Jan 2023 20:03

Tgt Ion:146 Resp: 237339
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 63.3 45.6 84.6

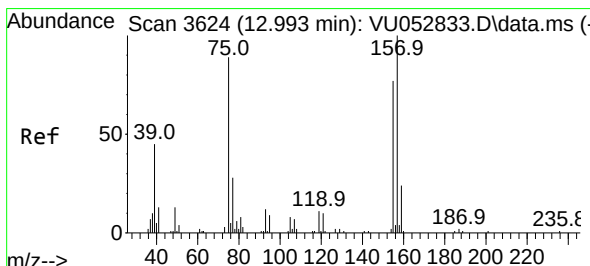
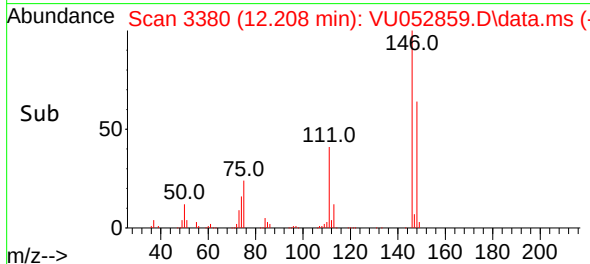
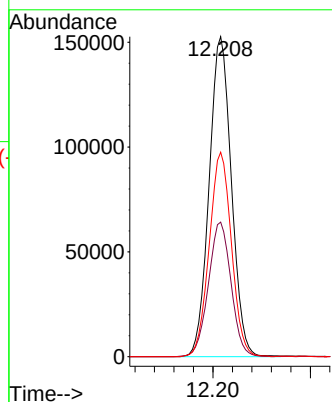
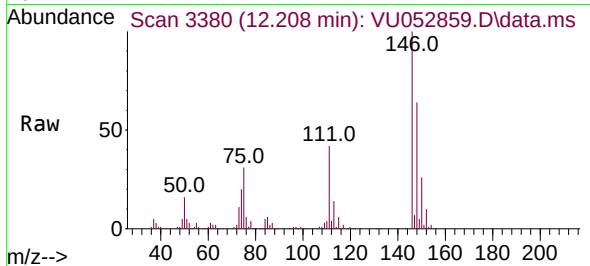




#67
 1,2-Dichlorobenzene
 Concen: 48.793 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

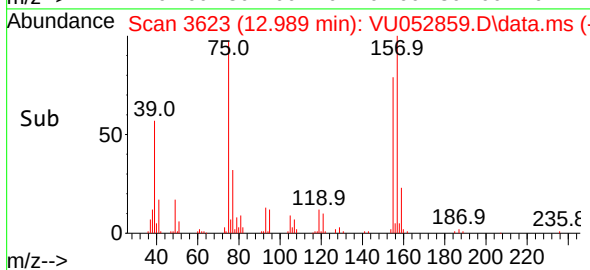
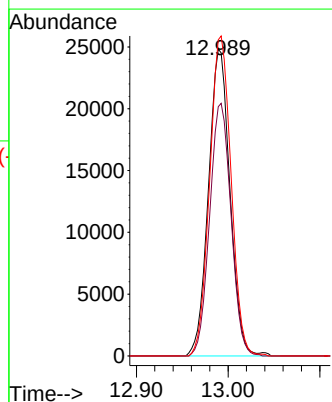
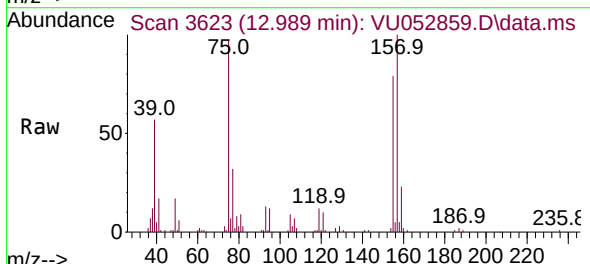
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

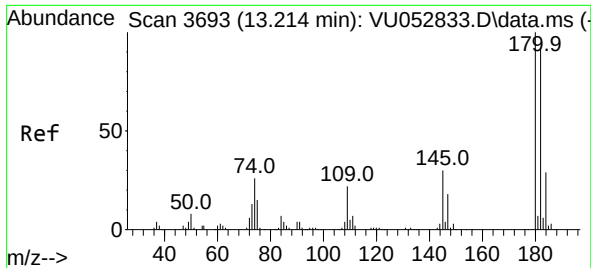
Tgt Ion:146 Resp: 241843
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.2 49.8
 148 63.9 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.488 ug/L
 RT: 12.989 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

Tgt Ion: 75 Resp: 40544
 Ion Ratio Lower Upper
 75 100
 155 81.2 69.2 103.8
 157 103.0 91.2 136.8

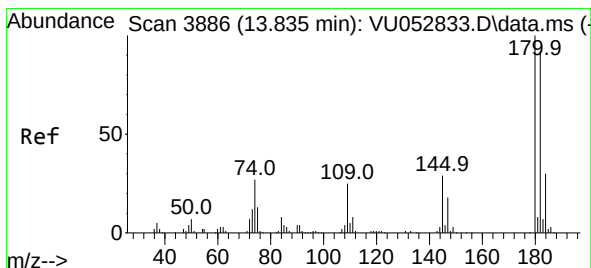
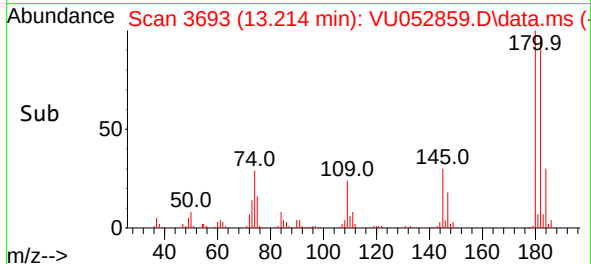
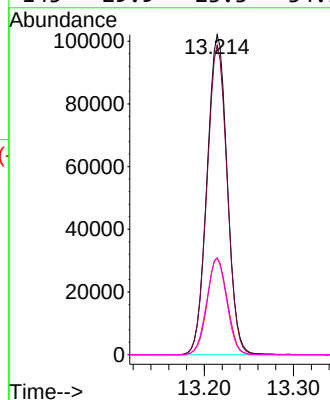
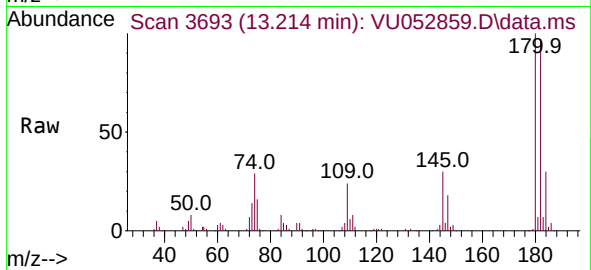




#69
 1,3,5-Trichlorobenzene
 Concen: 44.206 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

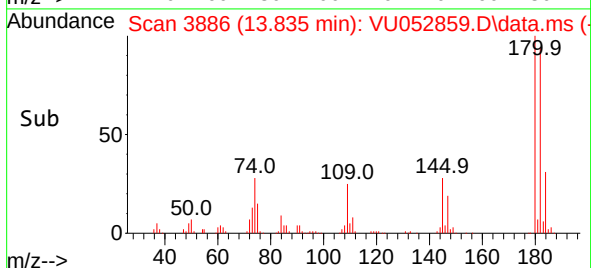
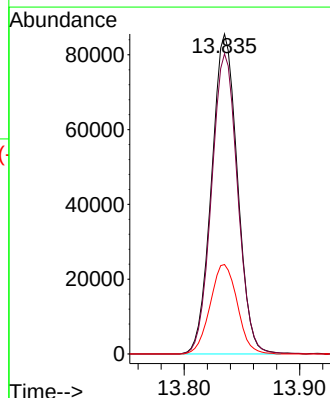
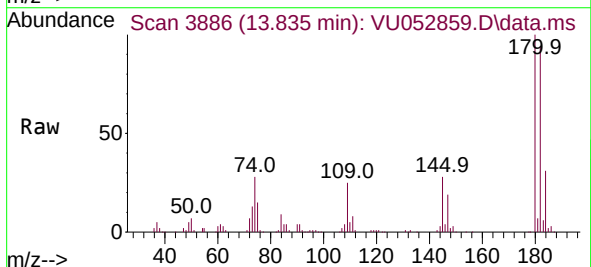
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

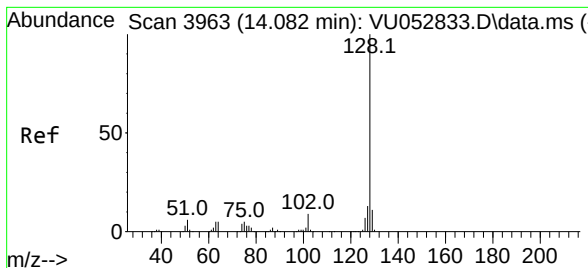
Tgt Ion:180 Resp: 160369
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.0 115.6
 184 30.2 24.4 36.6
 145 29.9 23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 43.797 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052859.D
 Acq: 27 Jan 2023 20:03

Tgt Ion:180 Resp: 133209
 Ion Ratio Lower Upper
 180 100
 182 94.3 78.2 117.2
 145 29.3 23.4 35.2





#71

Naphthalene

Concen: 46.491 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050144

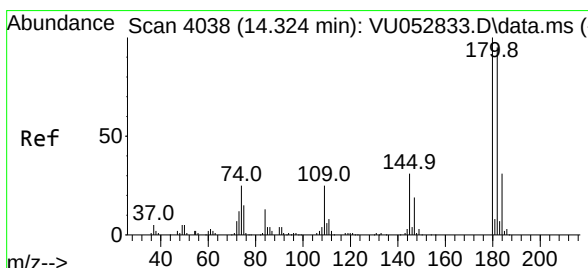
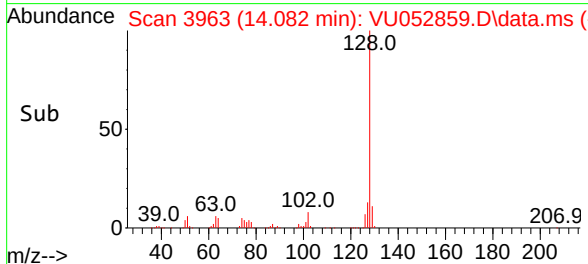
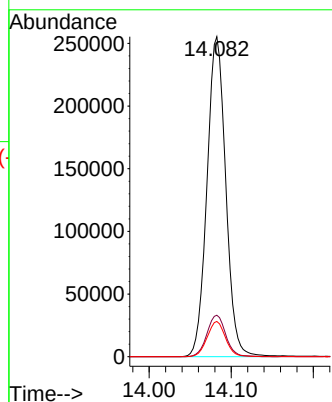
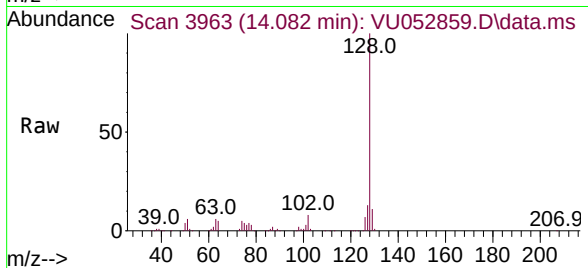
Tgt Ion:128 Resp: 406353

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 44.647 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052859.D

Acq: 27 Jan 2023 20:03

Tgt Ion:180 Resp: 143509

Ion Ratio Lower Upper

180 100

182 95.2 77.5 116.3

145 31.2 24.2 36.4

