

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052140.D
 Acq On : 28 Nov 2022 11:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

Quant Time: Nov 28 21:42:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 25 21:01:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	472280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	456314	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	234934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	190655	46.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.160%
7) Chloroethane-d5	1.909	69	151085	46.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.220%
11) 1,1-Dichloroethene-d2	2.568	63	296636	48.897	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.800%
21) 2-Butanone-d5	4.616	46	245276	99.731	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.730%
24) Chloroform-d	5.063	84	319564	47.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
26) 1,2-Dichloroethane-d4	5.700	65	187622	46.522	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.040%
32) Benzene-d6	5.726	84	672060	49.412	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.820%
36) 1,2-Dichloropropane-d6	6.690	67	208097	47.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.240%
41) Toluene-d8	7.896	98	612712	50.420	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%
43) trans-1,3-Dichloroprop...	8.176	79	92269	49.604	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.200%
47) 2-Hexanone-d5	8.629	63	179450	105.279	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.280%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	324201	46.898	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	217267	44.721	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	134921	53.218	ug/L	99
3) Chloromethane	1.527	50	185263	50.990	ug/L	98
5) Vinyl chloride	1.607	62	182631	48.956	ug/L	100
6) Bromomethane	1.851	94	74111	39.579	ug/L	99
8) Chloroethane	1.932	64	122380	50.029	ug/L	98
9) Trichlorofluoromethane	2.137	101	235962	52.910	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	154617	53.997	ug/L	99
12) 1,1-Dichloroethene	2.581	96	139458	50.996	ug/L	92
13) Acetone	2.620	43	272378	121.237	ug/L	99
14) Carbon disulfide	2.793	76	337215	48.765	ug/L	98
15) Methyl Acetate	2.945	43	193151	53.851	ug/L	99
16) Methylene chloride	3.047	84	190188	45.662	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	145671	50.065	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	478973	50.680	ug/L	100
19) 1,1-Dichloroethane	3.867	63	303148	50.642	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	179540	51.395	ug/L	98
22) 2-Butanone	4.697	43	335516	119.776	ug/L	100
23) Bromochloromethane	4.973	128	96459	51.297	ug/L	98
25) Chloroform	5.086	83	320394	51.871	ug/L	96

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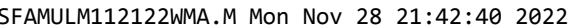
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

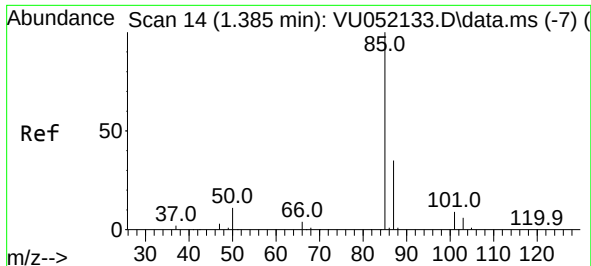
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 Quant Title : VOC Analysis
 QLast Update : Fri Nov 25 21:01:09 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	234124	50.525	ug/L	100
29) Cyclohexane	5.388	56	217936	54.463	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	249107	53.234	ug/L	98
31) Carbon tetrachloride	5.523	117	206989	54.635	ug/L	98
33) Benzene	5.774	78	701182	51.869	ug/L	100
34) Trichloroethene	6.542	95	160259	50.809	ug/L	98
35) Methylcyclohexane	6.764	83	245042	56.685	ug/L	99
37) 1,2-Dichloropropane	6.790	63	196942	52.149	ug/L	100
38) Bromodichloromethane	7.105	83	244200	52.373	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	267348	52.351	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	533301	111.028	ug/L	100
42) Toluene	7.967	91	751146	53.773	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	257286	53.864	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	193981	52.105	ug/L	98
46) Tetrachloroethene	8.552	164	124983	52.524	ug/L	99
48) 2-Hexanone	8.681	43	454601	114.369	ug/L	100
49) Dibromochloromethane	8.806	129	201205	53.179	ug/L	99
50) 1,2-Dibromoethane	8.922	107	198764	53.158	ug/L	99
51) Chlorobenzene	9.446	112	472116	51.368	ug/L	99
52) Ethylbenzene	9.568	91	754274	53.031	ug/L	99
53) m,p-Xylene	9.693	106	298489	54.316	ug/L	100
54) o-Xylene	10.099	106	297798	53.558	ug/L	97
55) Styrene	10.111	104	524502	55.680	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	357745	52.807	ug/L	99
59) Bromoform	10.288	173	153967	50.603	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	270763	49.633	ug/L	100
61) Isopropylbenzene	10.481	105	747745	52.161	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	607380	53.032	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	596469	53.441	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	362432	52.155	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	360203	50.870	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	378439	51.976	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	73412	54.621	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	242868	52.350	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	198148	53.170	ug/L	99
71) Naphthalene	14.086	128	704014	58.026	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	223725	55.413	ug/L	99

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

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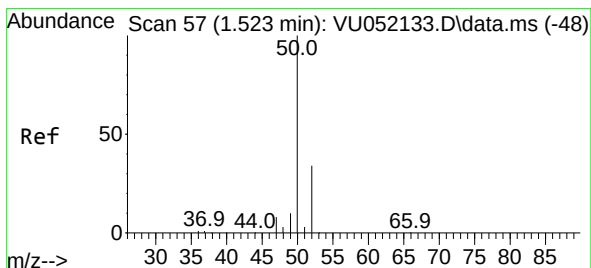
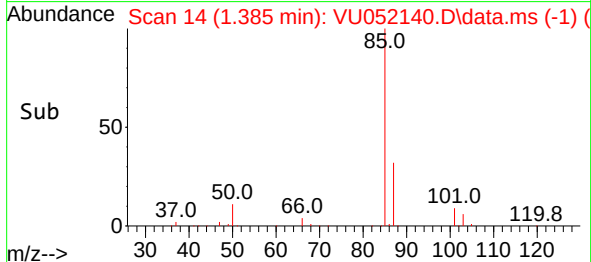
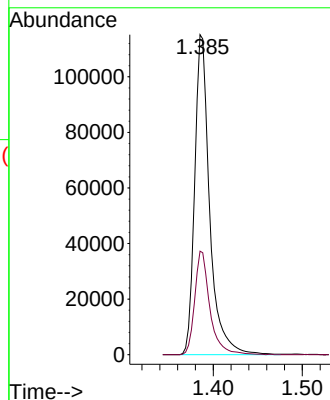
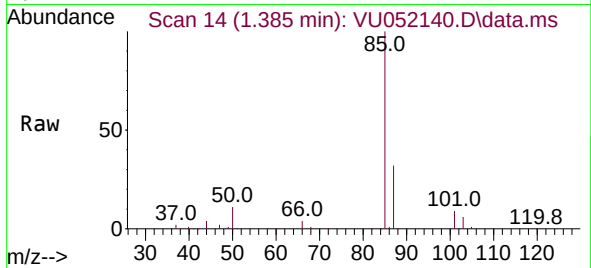




#2
Dichlorodifluoromethane
Concen: 53.218 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

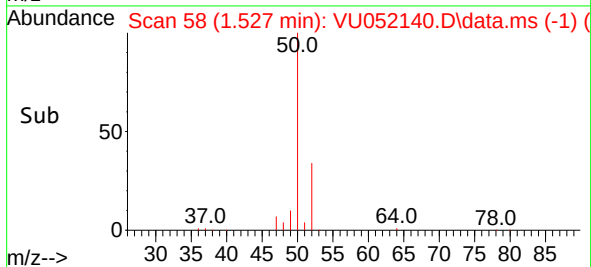
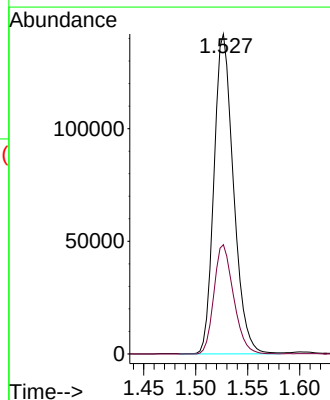
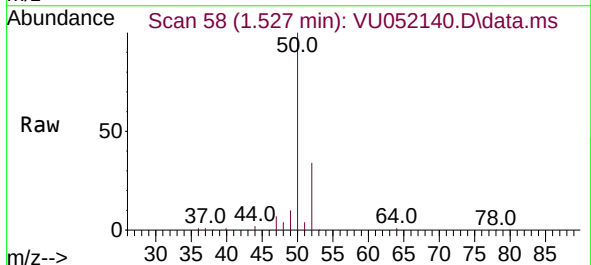
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

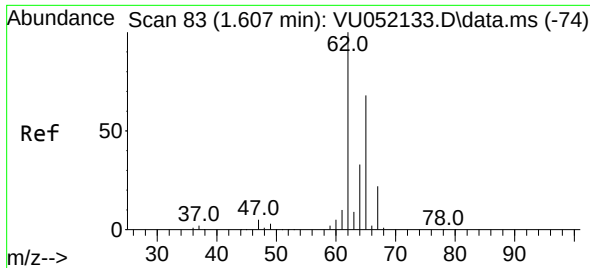
Tgt Ion: 85 Resp: 134921
Ion Ratio Lower Upper
85 100
87 32.7 25.9 38.9



#3
Chloromethane
Concen: 50.990 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 50 Resp: 185263
Ion Ratio Lower Upper
50 100
52 34.2 23.1 42.9

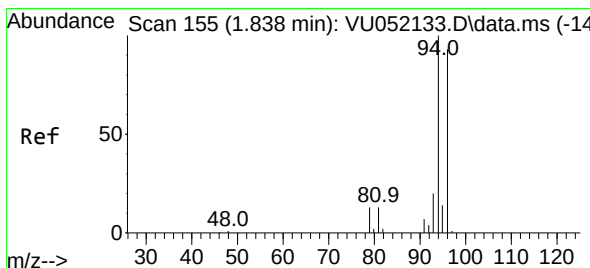
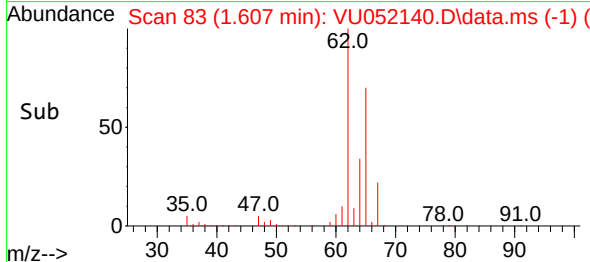
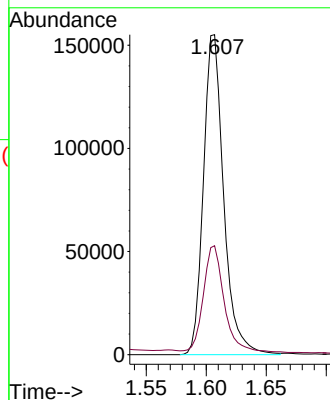
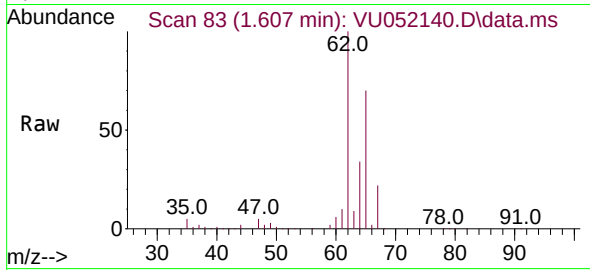




#5
 Vinyl chloride
 Concen: 48.956 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

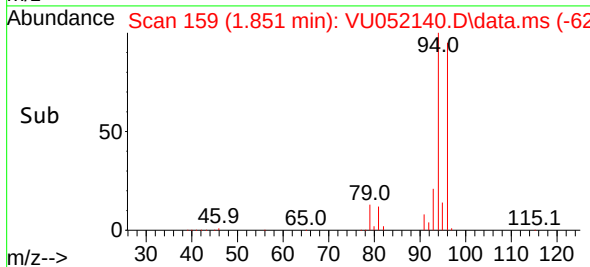
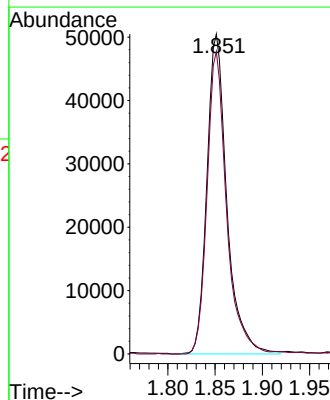
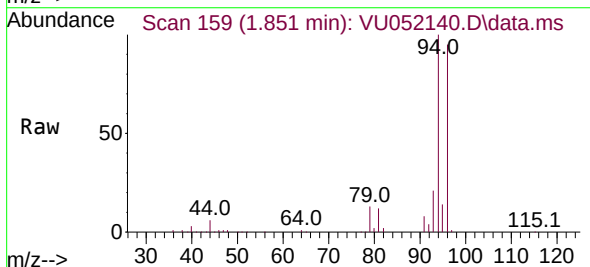
Instrument :
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 ClientSampleId :
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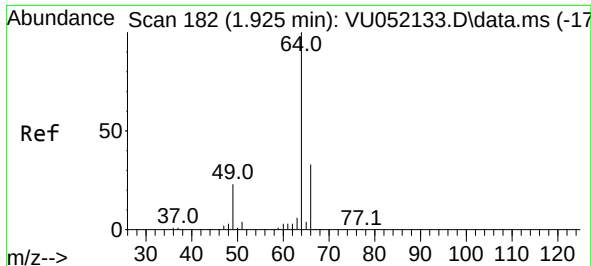
Tgt Ion: 62 Resp: 182631
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.9 44.3



#6
 Bromomethane
 Concen: 39.579 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.013 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

Tgt Ion: 94 Resp: 74111
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.8 124.0

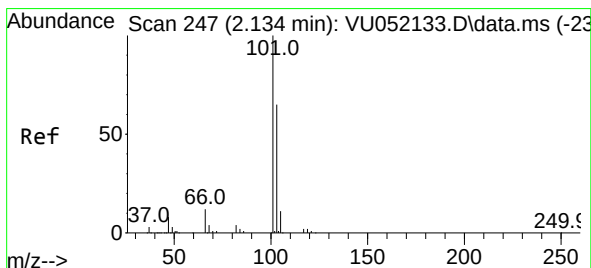
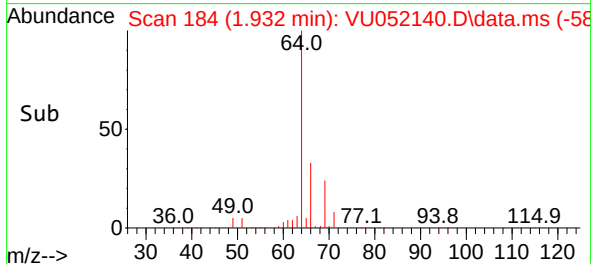
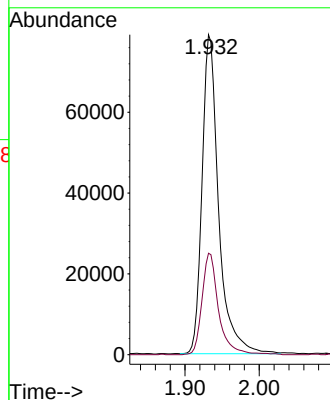
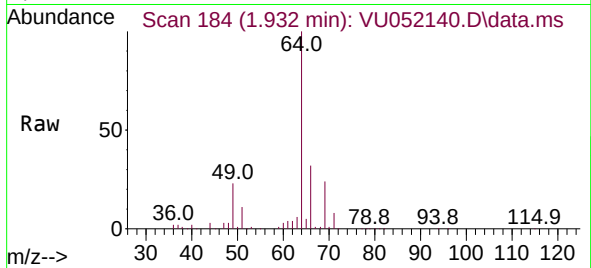




#8
Chloroethane
Concen: 50.029 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

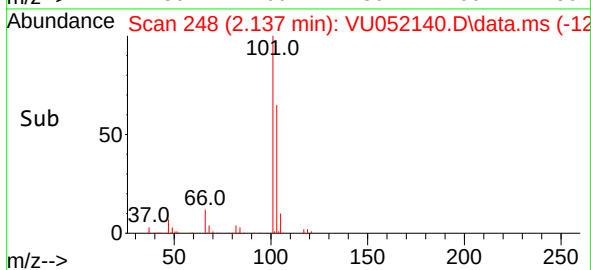
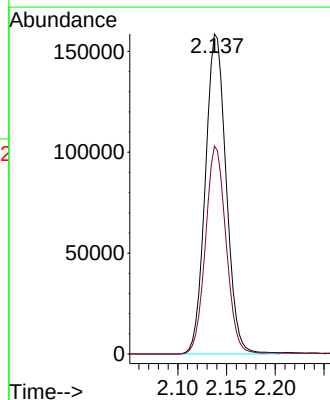
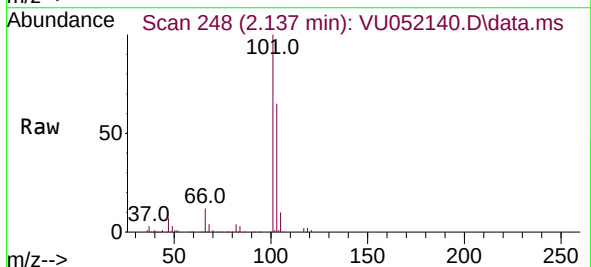
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ClientSampleId :
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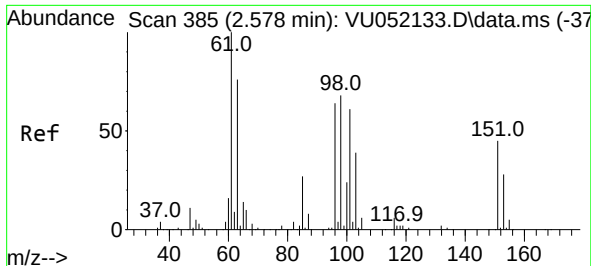
Tgt Ion: 64 Resp: 122380
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 52.910 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion:101 Resp: 235962
Ion Ratio Lower Upper
101 100
103 64.0 51.5 77.3

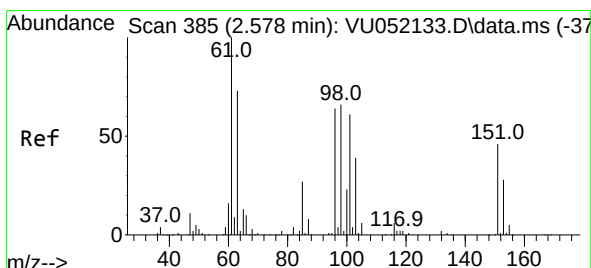
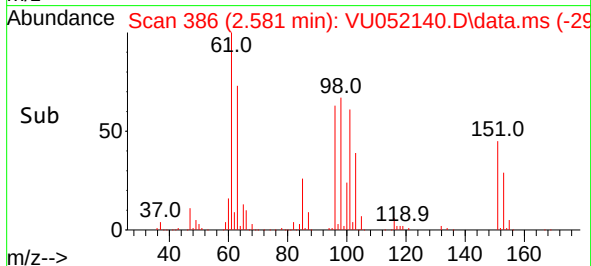
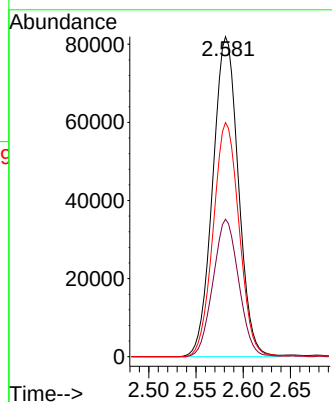
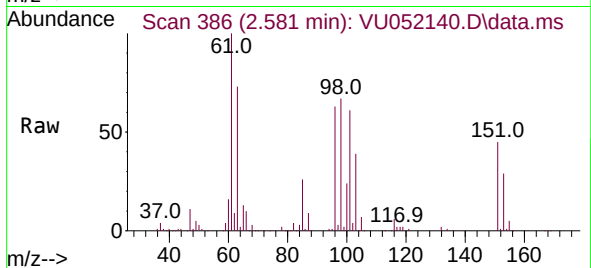




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 53.997 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

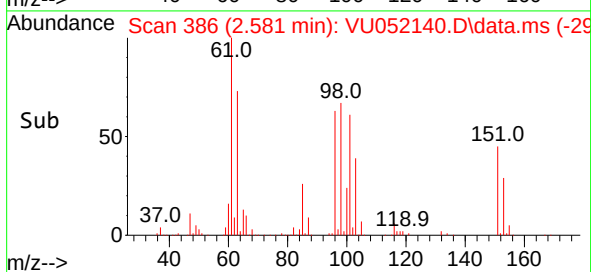
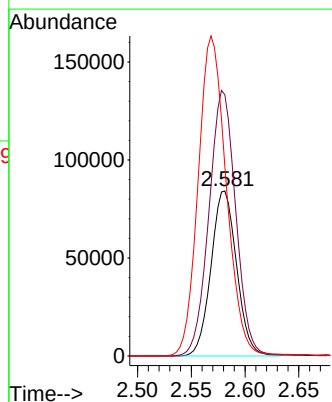
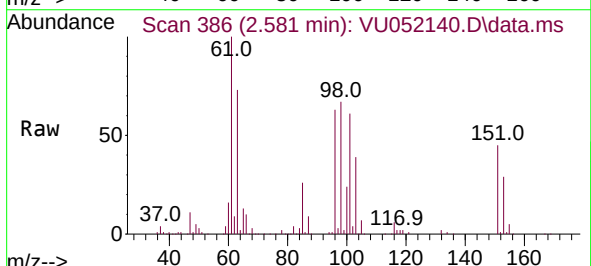
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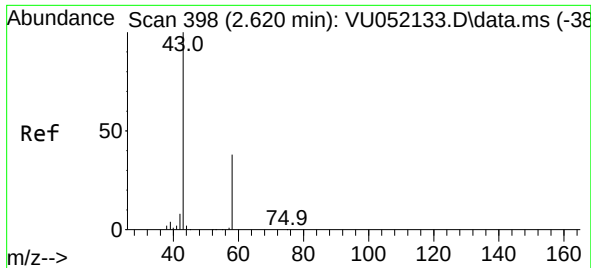
Tgt Ion:101 Resp: 154617
Ion Ratio Lower Upper
101 100
85 43.0 33.6 50.4
151 73.9 58.9 88.3



#12
1,1-Dichloroethene
Concen: 50.996 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 96 Resp: 139458
Ion Ratio Lower Upper
96 100
61 158.4 114.2 212.0
63 115.0 90.9 168.7





#13

Acetone

Concen: 121.237 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

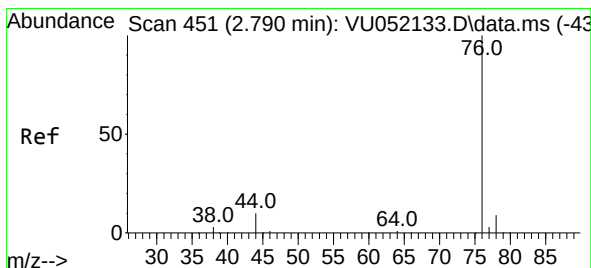
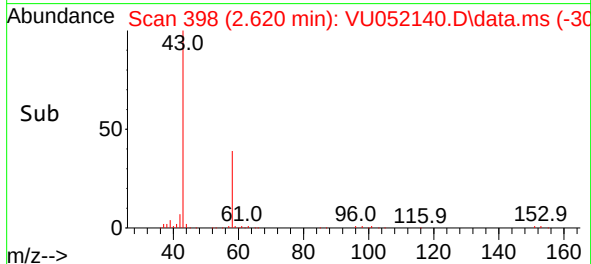
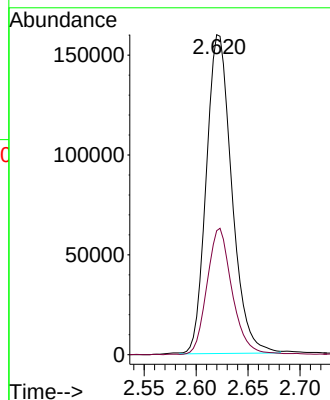
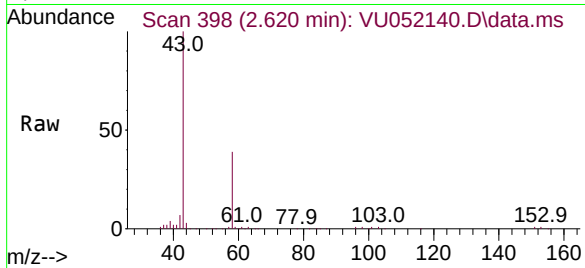
VSTD050136

Tgt Ion: 43 Resp: 272378

Ion Ratio Lower Upper

43 100

58 38.7 0.0 76.6



#14

Carbon disulfide

Concen: 48.765 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052140.D

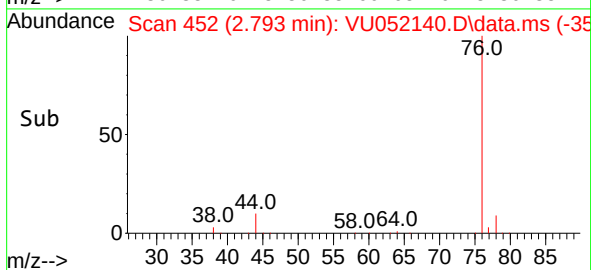
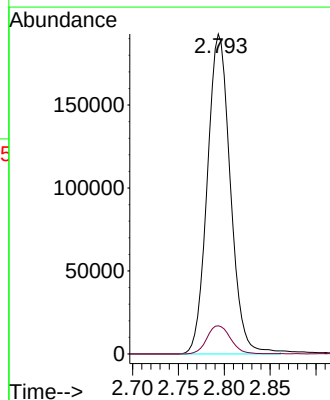
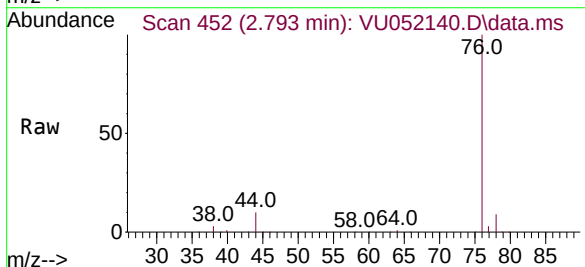
Acq: 28 Nov 2022 11:25

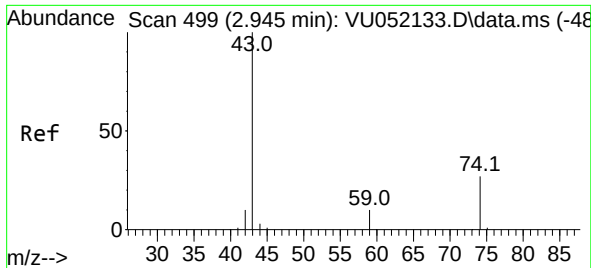
Tgt Ion: 76 Resp: 337215

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

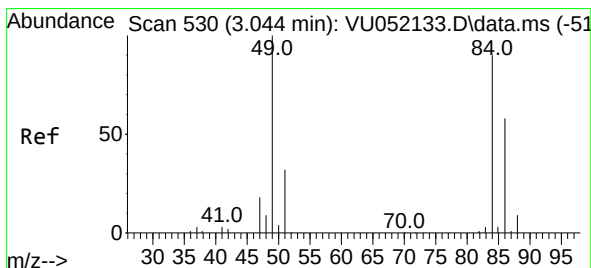
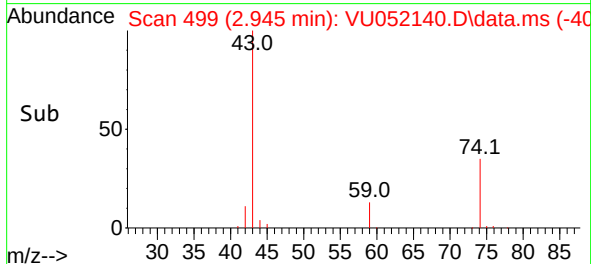
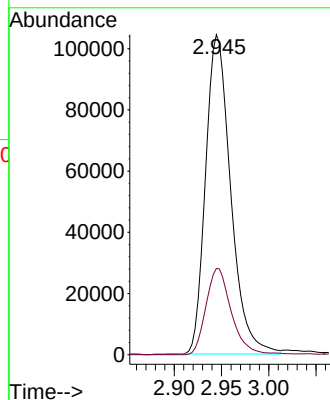
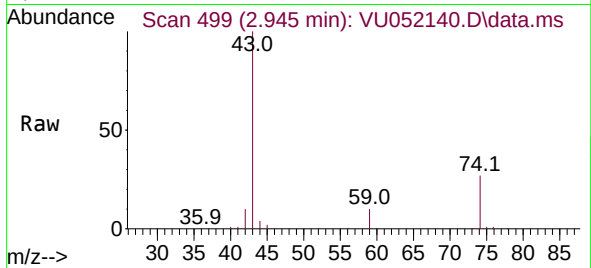




#15
Methyl Acetate
Concen: 53.851 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

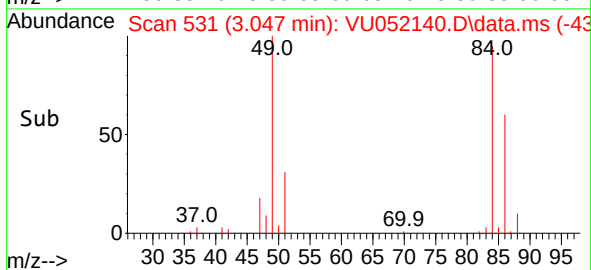
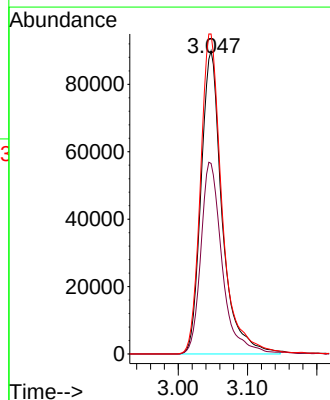
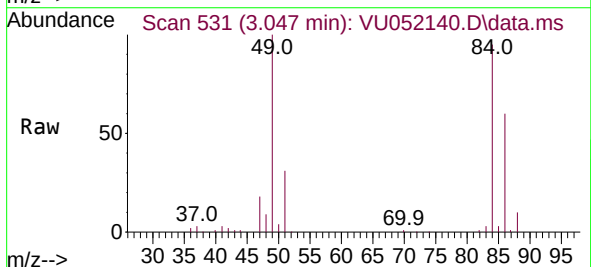
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

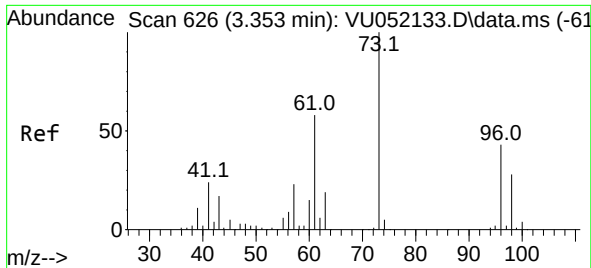
Tgt Ion: 43 Resp: 193151
Ion Ratio Lower Upper
43 100
74 27.0 22.2 33.4



#16
Methylene chloride
Concen: 45.662 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 84 Resp: 190188
Ion Ratio Lower Upper
84 100
86 62.9 45.2 84.0
49 105.6 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 50.065 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

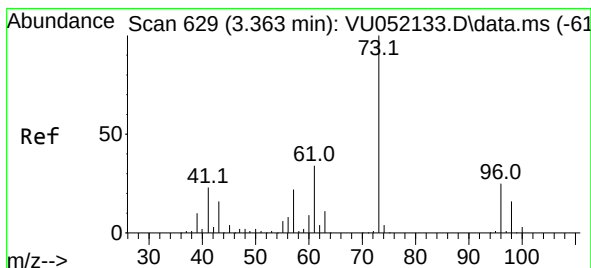
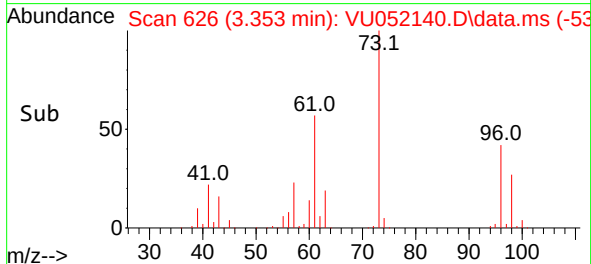
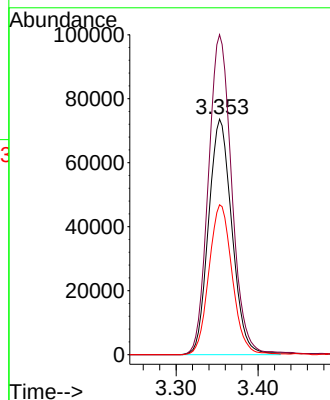
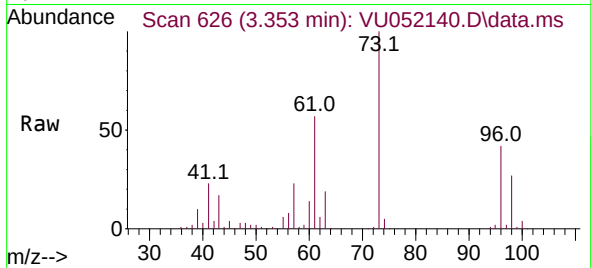
Tgt Ion: 96 Resp: 145671

Ion Ratio Lower Upper

96 100

61 135.9 93.9 174.3

98 63.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 50.680 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

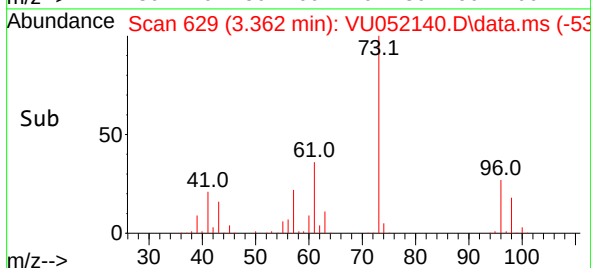
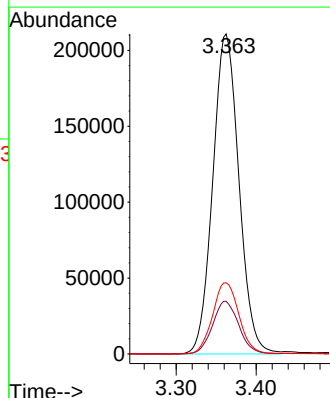
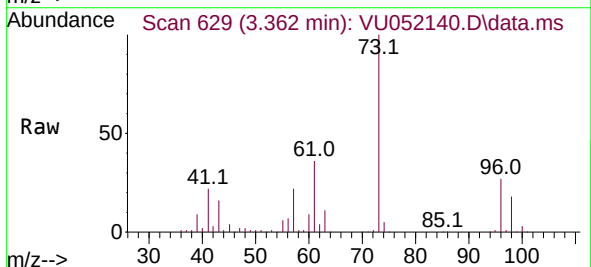
Tgt Ion: 73 Resp: 478973

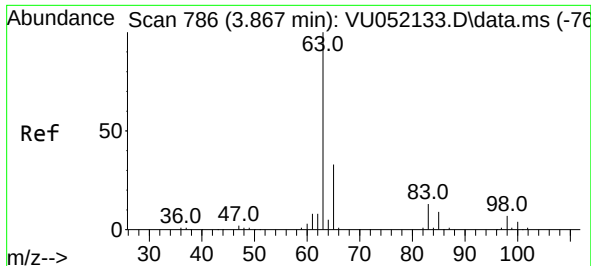
Ion Ratio Lower Upper

73 100

43 16.3 13.1 19.7

57 22.4 17.8 26.6





#19

1,1-Dichloroethane

Concen: 50.642 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

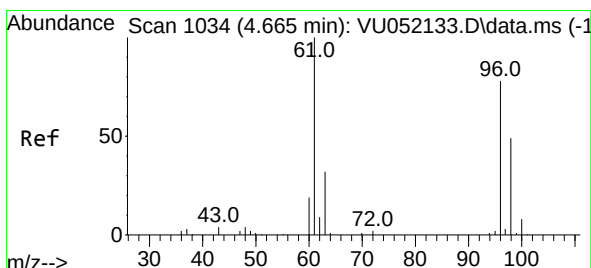
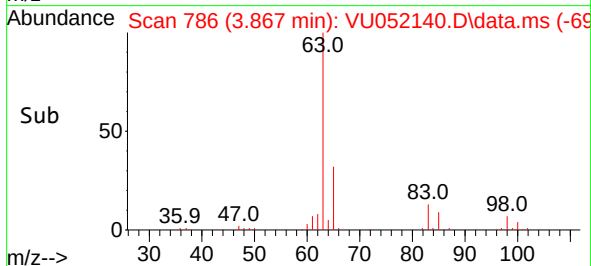
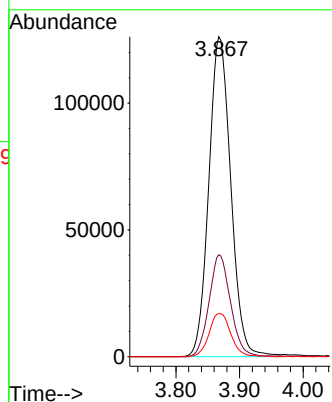
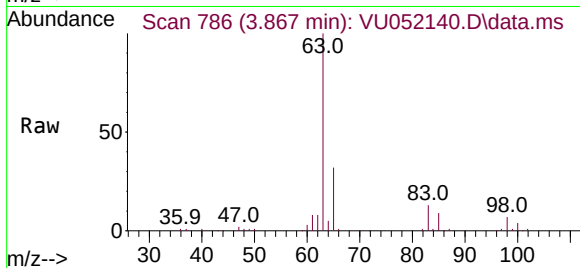
Tgt Ion: 63 Resp: 303148

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

83 13.5 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 51.395 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

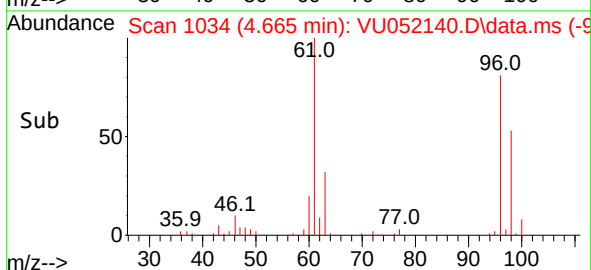
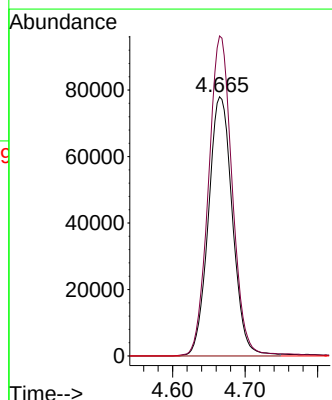
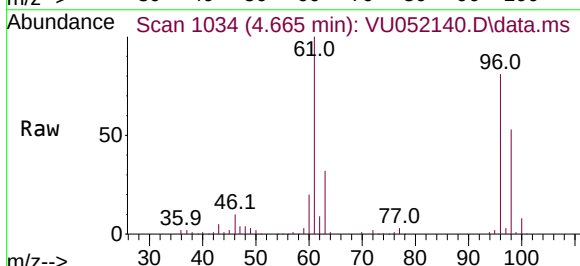
Tgt Ion: 96 Resp: 179540

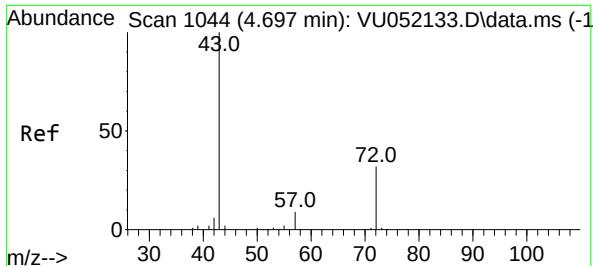
Ion Ratio Lower Upper

96 100

61 123.5 84.5 156.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 119.776 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

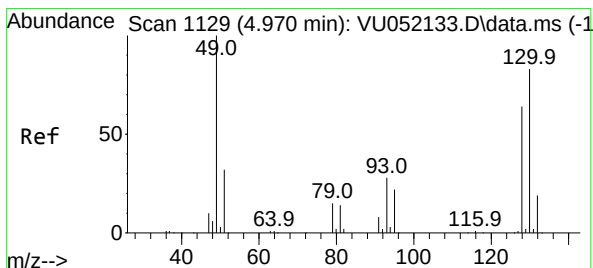
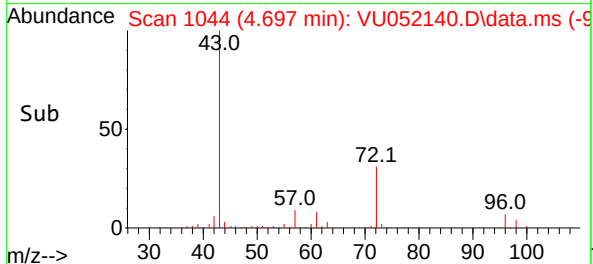
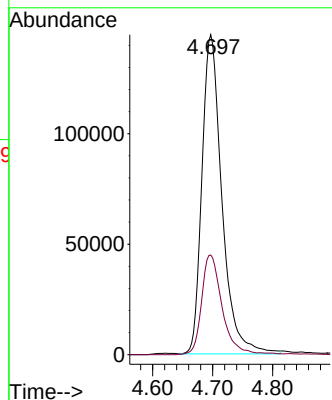
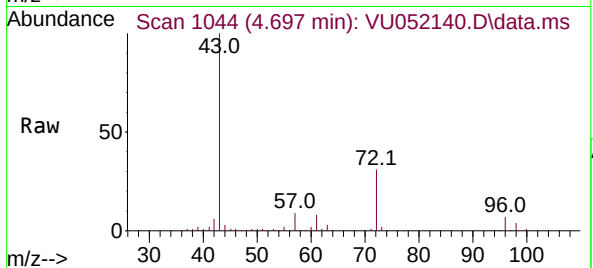
VSTD050136

Tgt Ion: 43 Resp: 335516

Ion Ratio Lower Upper

43 100

72 31.7 15.9 47.7



#23

Bromochloromethane

Concen: 51.297 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Tgt Ion:128 Resp: 96459

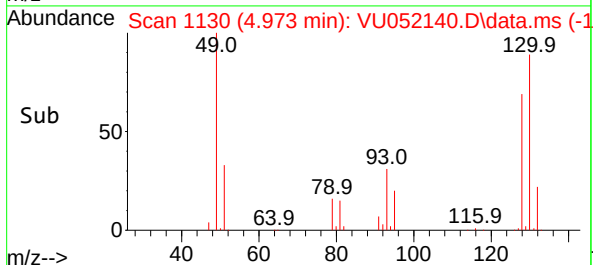
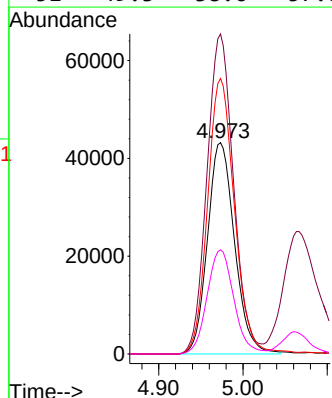
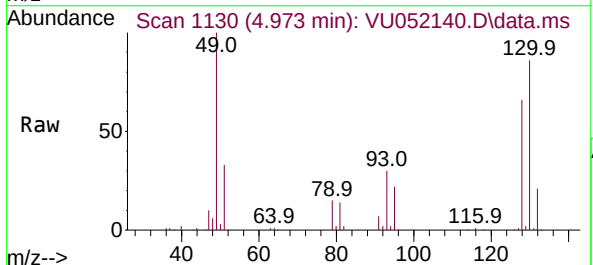
Ion Ratio Lower Upper

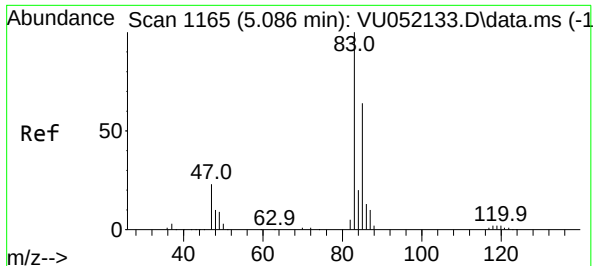
128 100

49 151.4 106.3 197.3

130 130.4 87.4 162.2

51 49.3 38.6 57.8





#25

Chloroform

Concen: 51.871 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

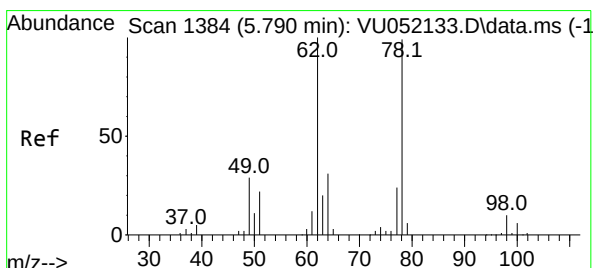
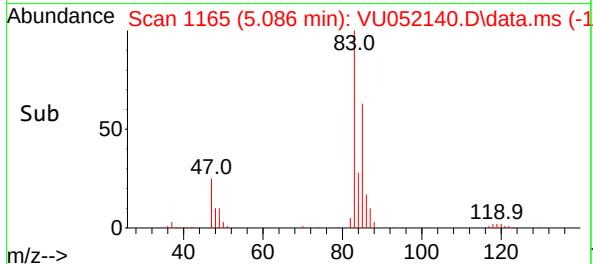
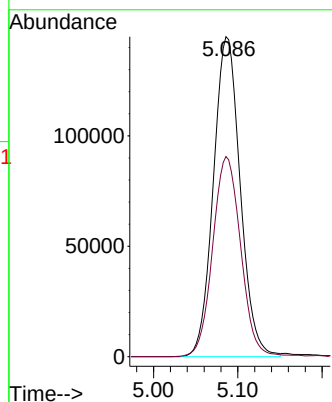
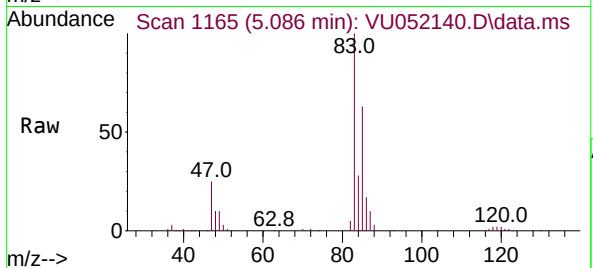
VSTD050136

Tgt Ion: 83 Resp: 320394

Ion Ratio Lower Upper

83 100

85 62.6 46.3 85.9



#27

1,2-Dichloroethane

Concen: 50.525 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052140.D

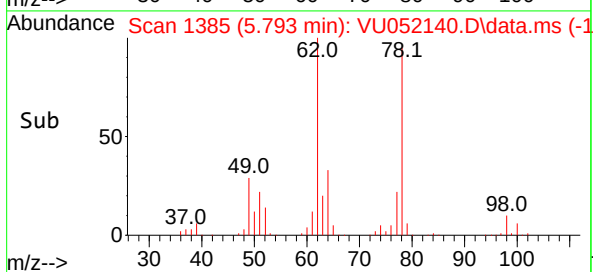
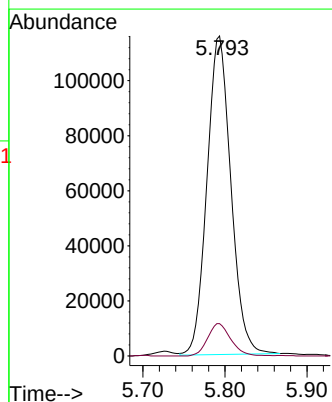
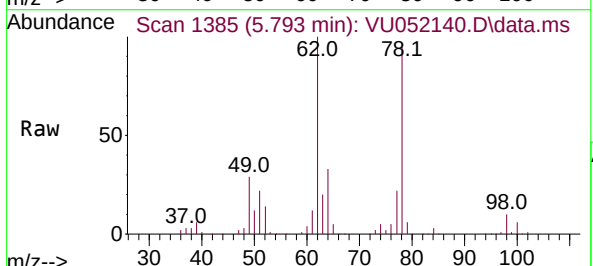
Acq: 28 Nov 2022 11:25

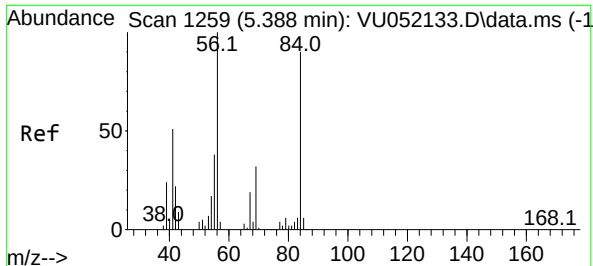
Tgt Ion: 62 Resp: 234124

Ion Ratio Lower Upper

62 100

98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 54.463 ug/L

RT: 5.388 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

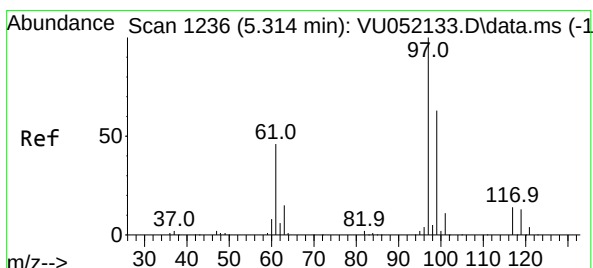
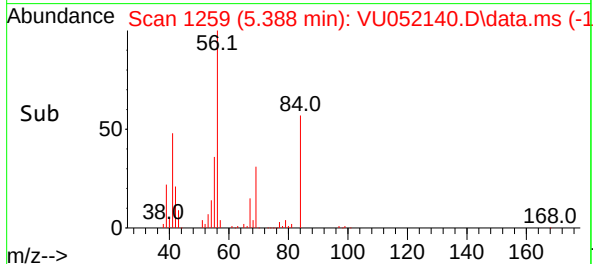
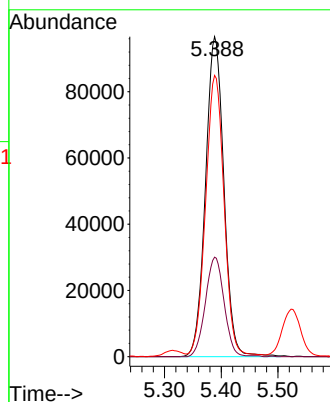
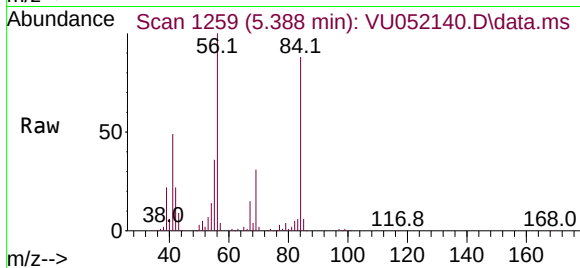
Tgt Ion: 56 Resp: 217936

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 88.3 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 53.234 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

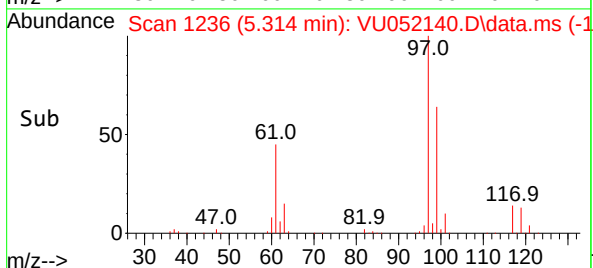
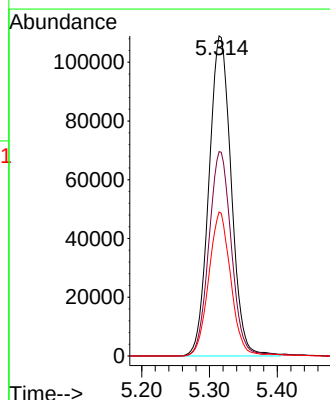
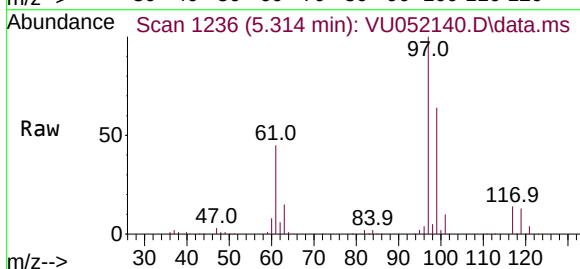
Tgt Ion: 97 Resp: 249107

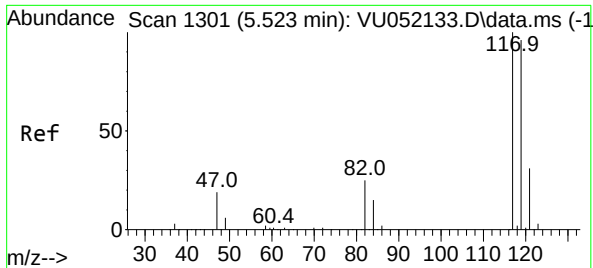
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 44.1 37.2 55.8

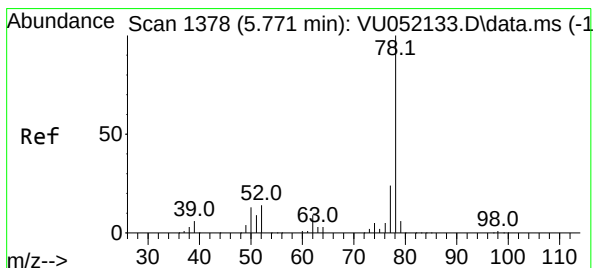
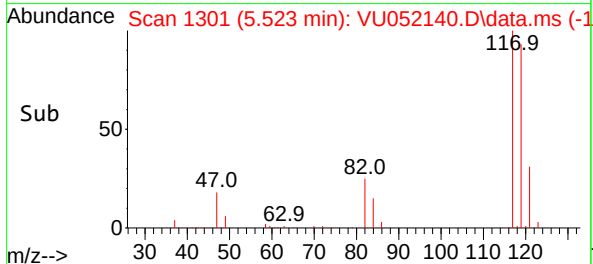
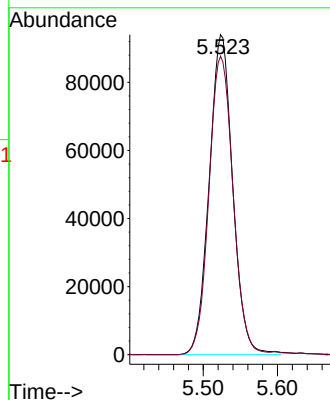
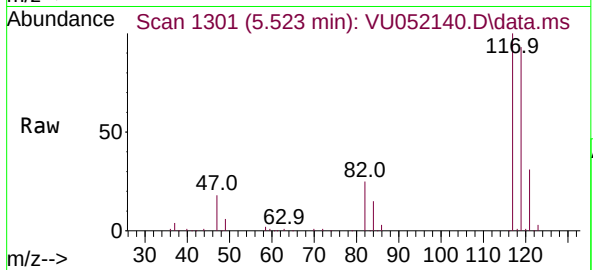




#31
Carbon tetrachloride
Concen: 54.635 ug/L
RT: 5.523 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

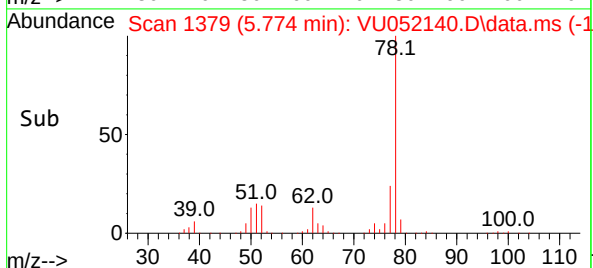
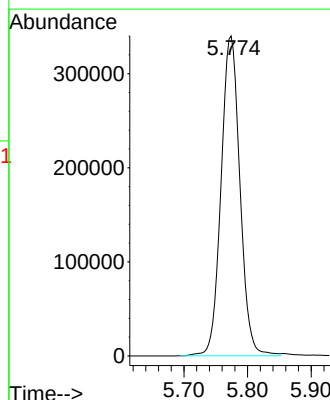
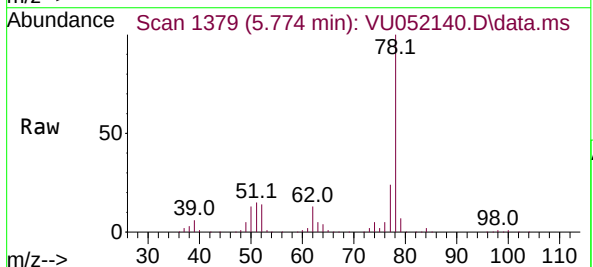
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

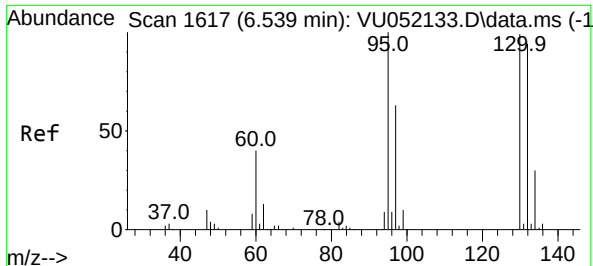
Tgt Ion:117 Resp: 206989
Ion Ratio Lower Upper
117 100
119 95.2 77.4 116.2



#33
Benzene
Concen: 51.869 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 78 Resp: 701182

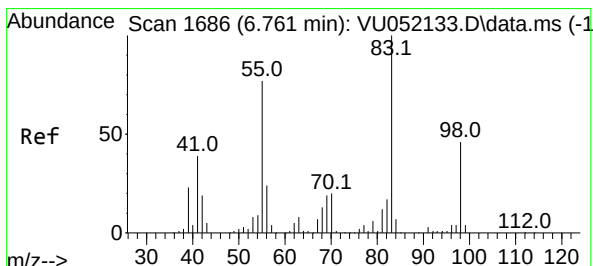
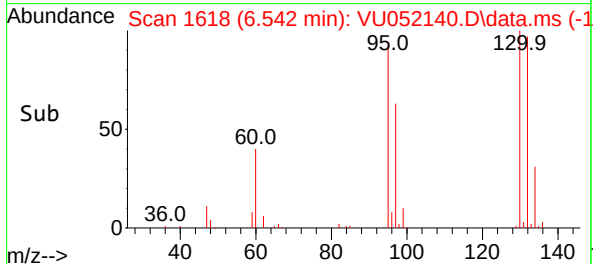
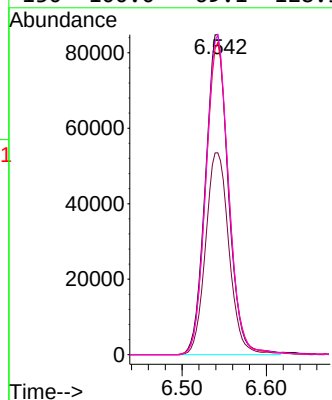
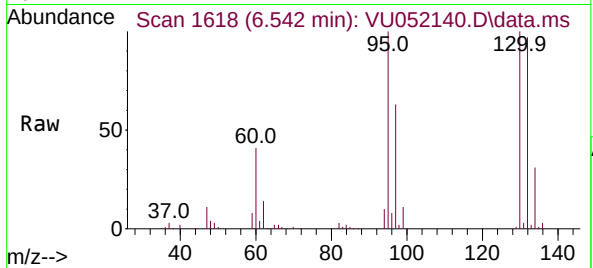




#34
Trichloroethene
Concen: 50.809 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

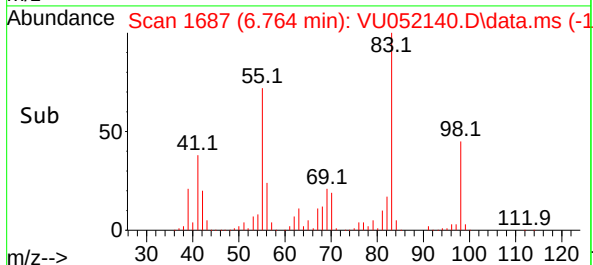
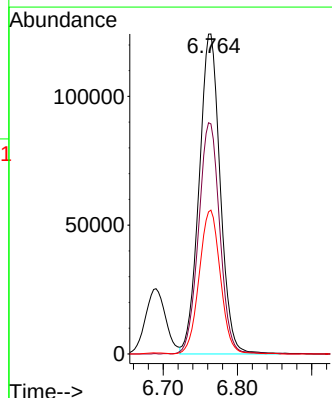
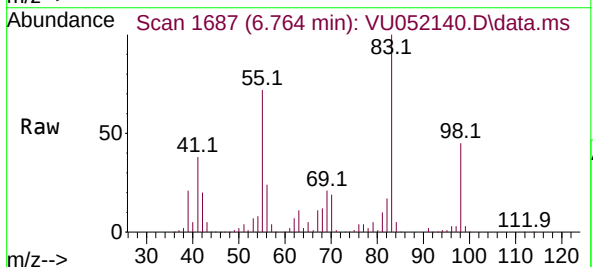
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

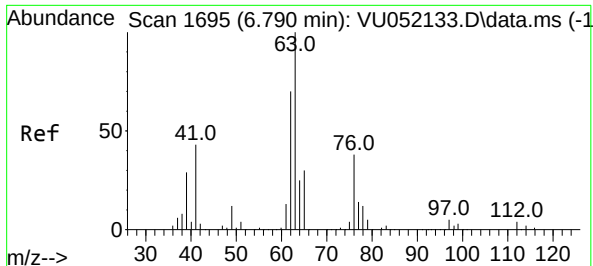
Tgt Ion: 95 Resp: 160259
Ion Ratio Lower Upper
95 100
97 63.1 45.3 84.1
132 97.5 66.8 124.2
130 100.0 69.1 128.3



#35
Methylcyclohexane
Concen: 56.685 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 83 Resp: 245042
Ion Ratio Lower Upper
83 100
55 72.7 59.0 88.6
98 45.1 36.0 54.0





#37

1,2-Dichloropropane

Concen: 52.149 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

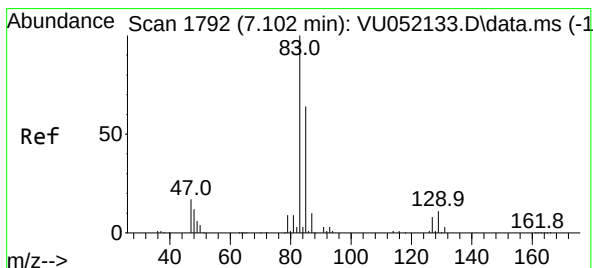
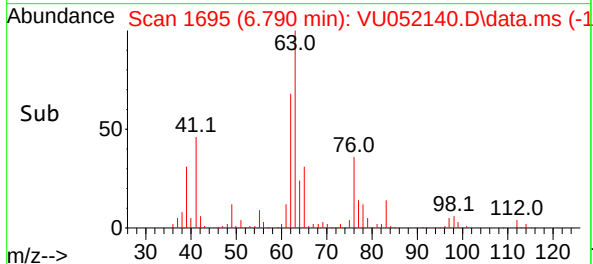
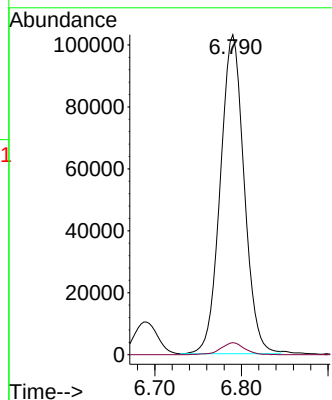
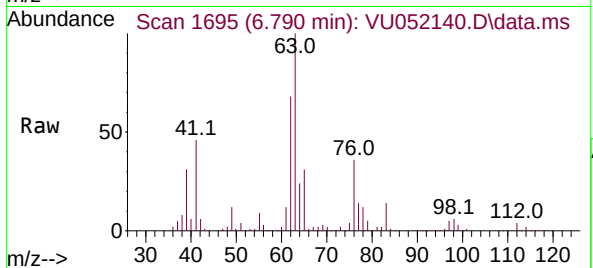
VSTD050136

Tgt Ion: 63 Resp: 196942

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 52.373 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

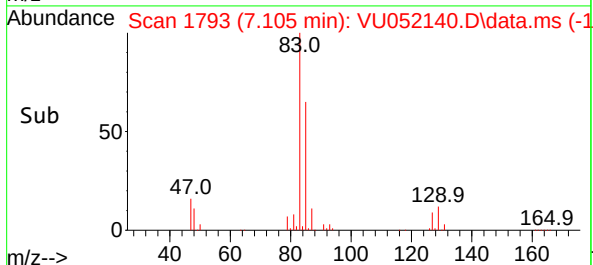
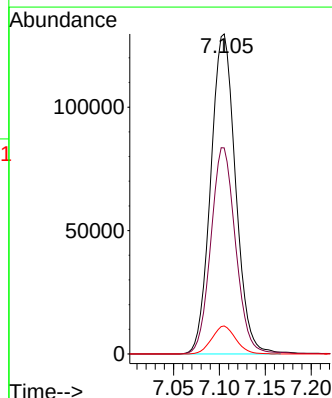
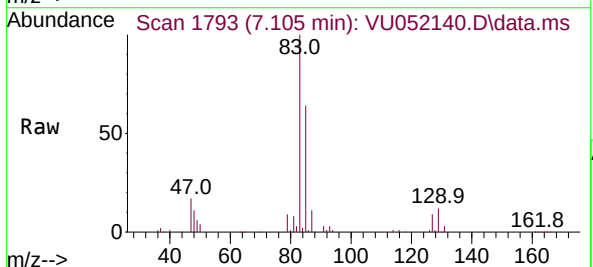
Tgt Ion: 83 Resp: 244200

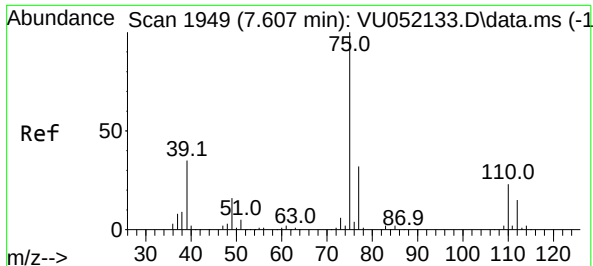
Ion Ratio Lower Upper

83 100

85 64.4 45.9 85.3

127 8.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 52.351 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

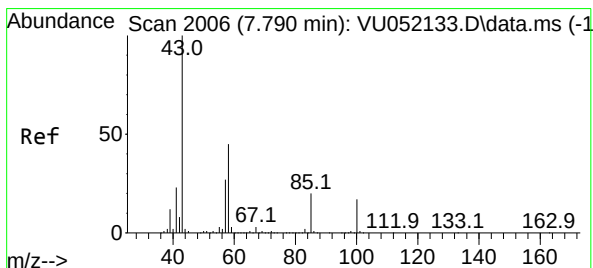
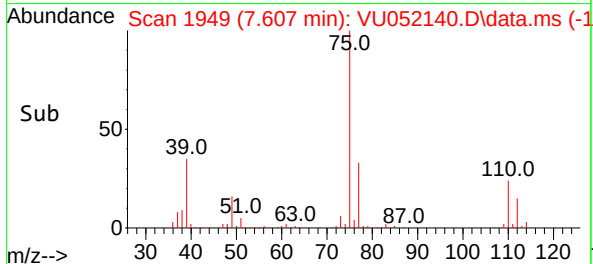
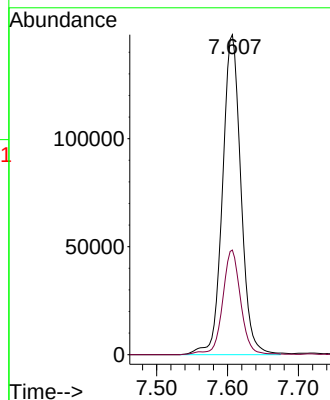
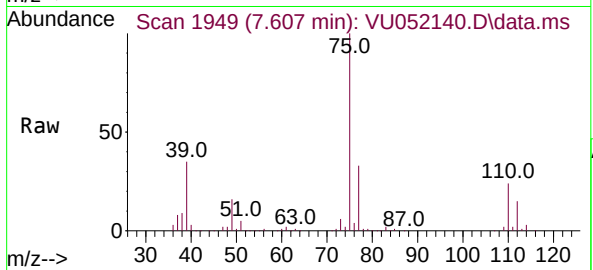
VSTD050136

Tgt Ion: 75 Resp: 267348

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 111.028 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

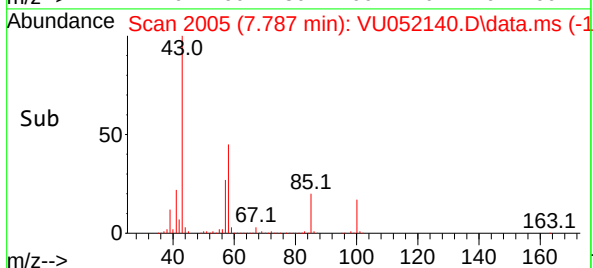
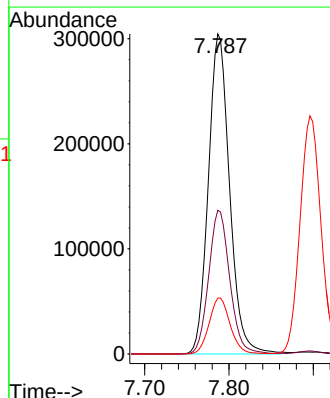
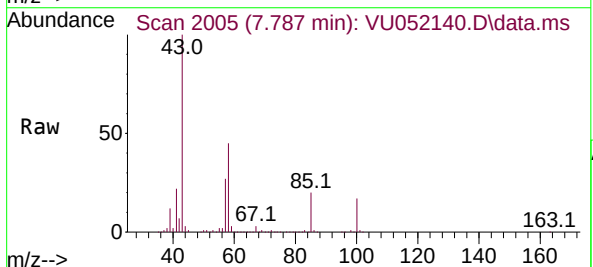
Tgt Ion: 43 Resp: 533301

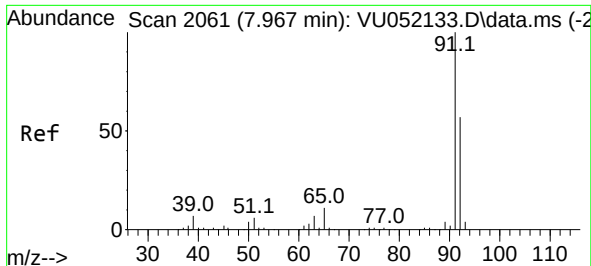
Ion Ratio Lower Upper

43 100

58 44.7 35.8 53.6

100 17.4 13.5 20.3





#42

Toluene

Concen: 53.773 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

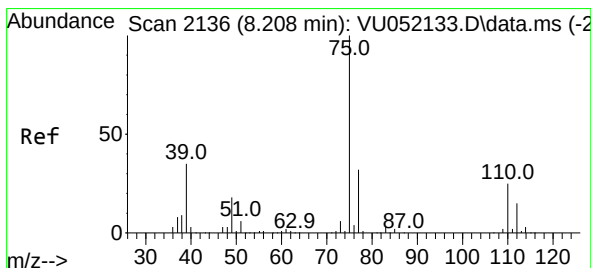
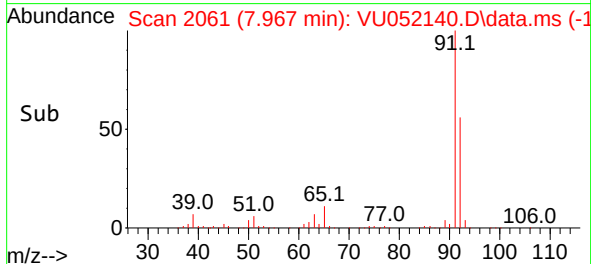
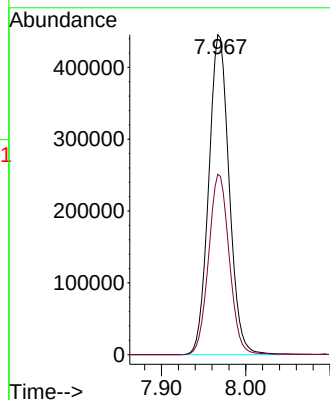
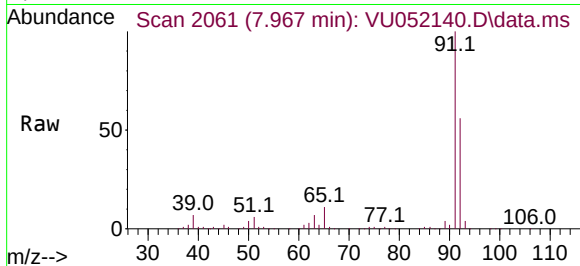
VSTD050136

Tgt Ion: 91 Resp: 751146

Ion Ratio Lower Upper

91 100

92 56.4 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 53.864 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052140.D

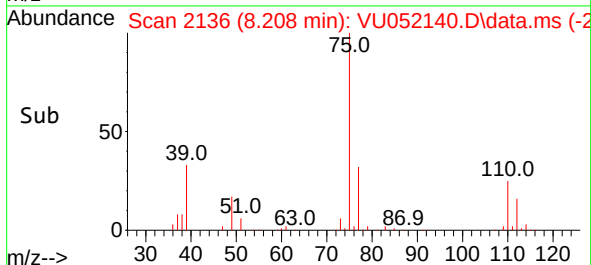
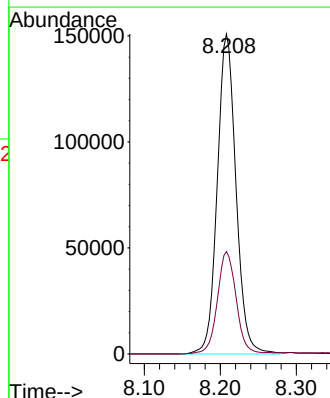
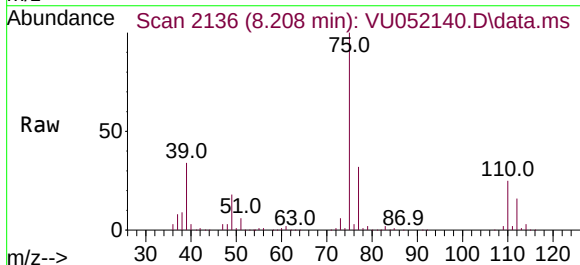
Acq: 28 Nov 2022 11:25

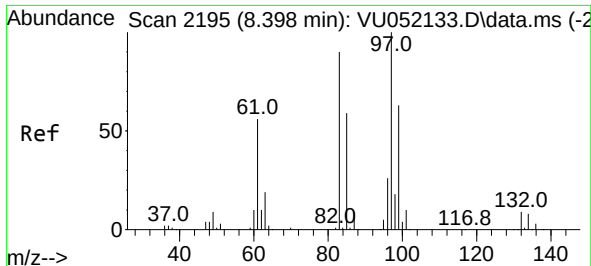
Tgt Ion: 75 Resp: 257286

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 52.105 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

Tgt Ion: 97 Resp: 193981

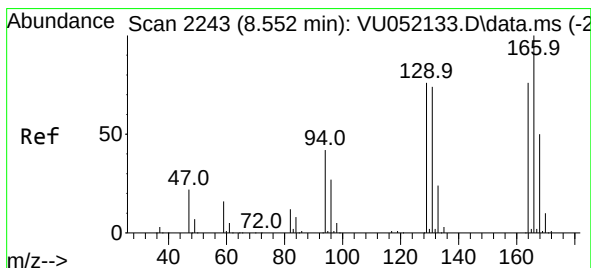
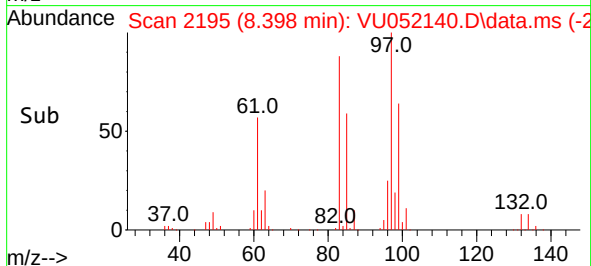
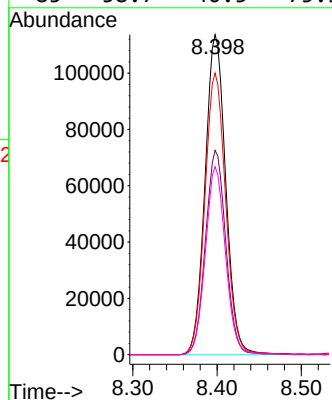
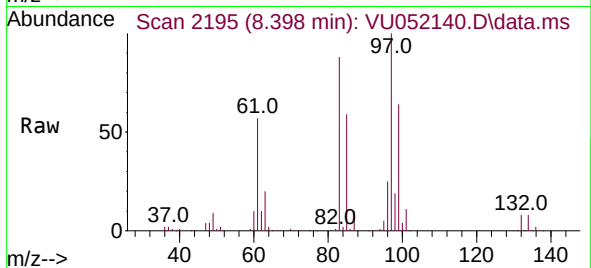
Ion Ratio Lower Upper

97 100

99 63.8 44.4 82.4

83 88.0 63.2 117.4

85 58.7 40.5 75.3



#46

Tetrachloroethene

Concen: 52.524 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Tgt Ion:164 Resp: 124983

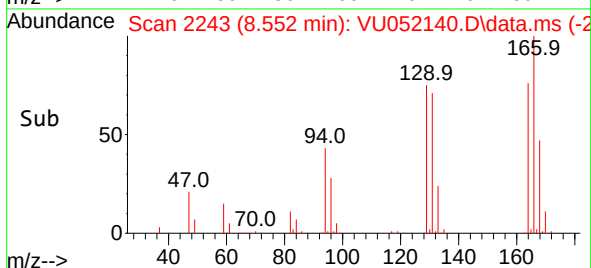
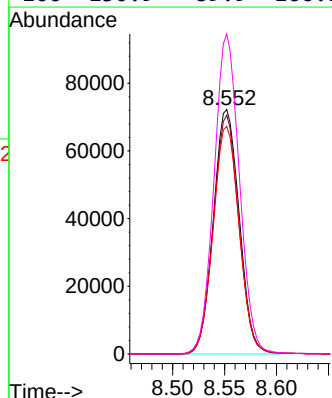
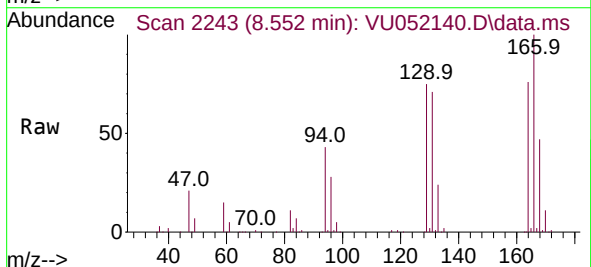
Ion Ratio Lower Upper

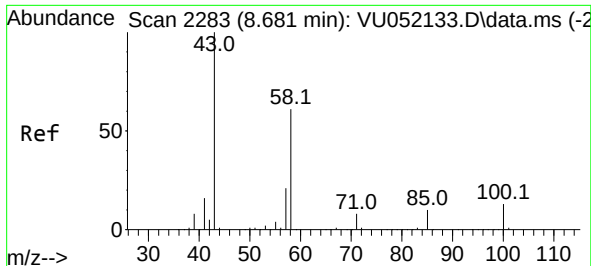
164 100

129 97.7 67.3 124.9

131 93.0 65.2 121.2

166 130.9 89.9 166.9

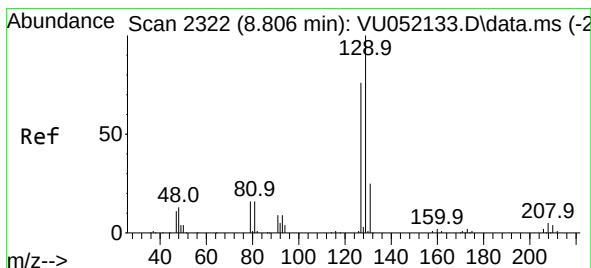
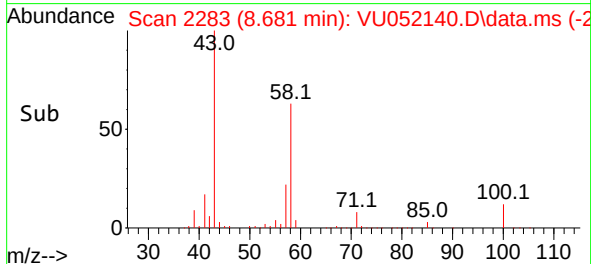
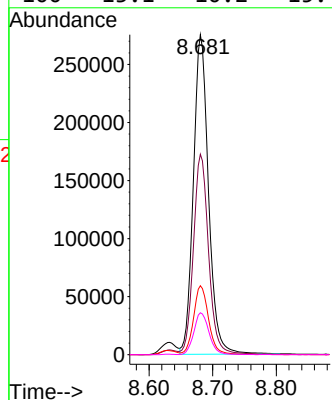
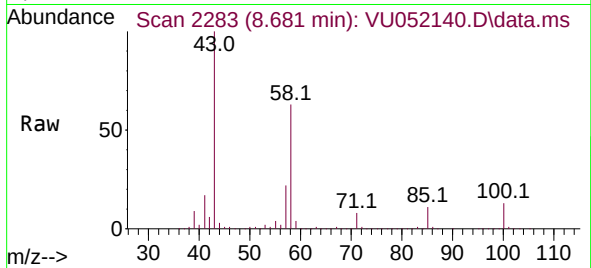




#48
2-Hexanone
Concen: 114.369 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

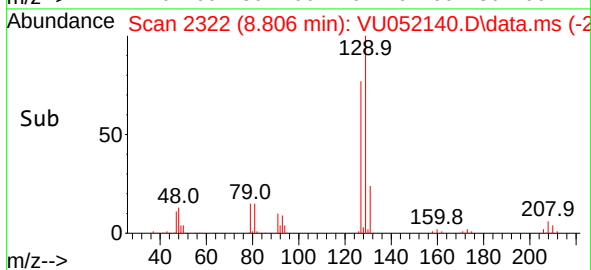
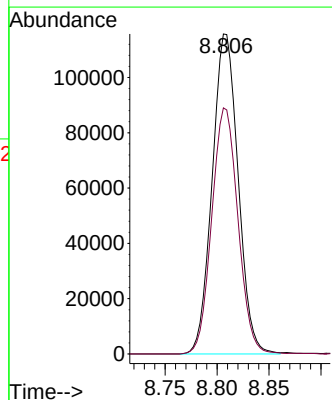
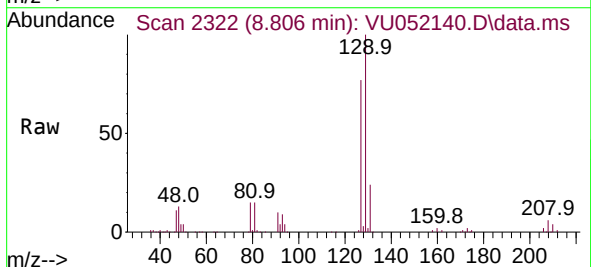
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

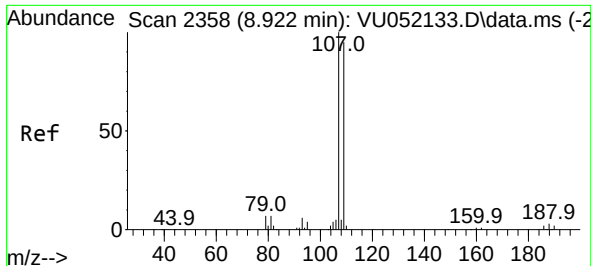
Tgt Ion:	43	Resp:	454601
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.6	74.4
57	21.2	16.8	25.2
100	13.1	10.2	15.4



#49
Dibromochloromethane
Concen: 53.179 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion:	129	Resp:	201205
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.5	101.1





#50

1,2-Dibromoethane

Concen: 53.158 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

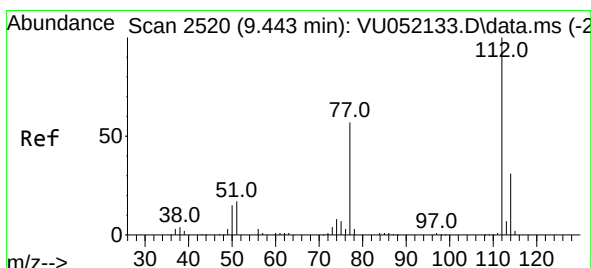
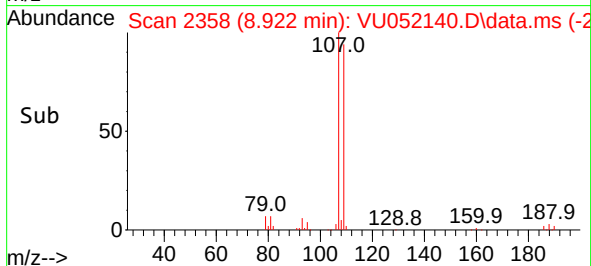
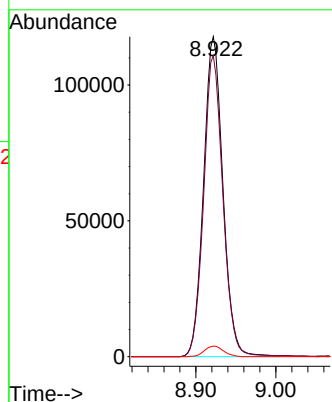
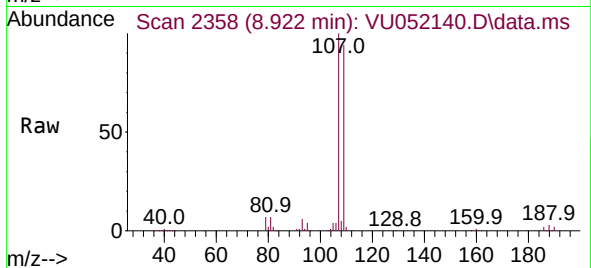
Tgt Ion:107 Resp: 198764

Ion Ratio Lower Upper

107 100

109 94.1 66.6 123.8

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 51.368 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

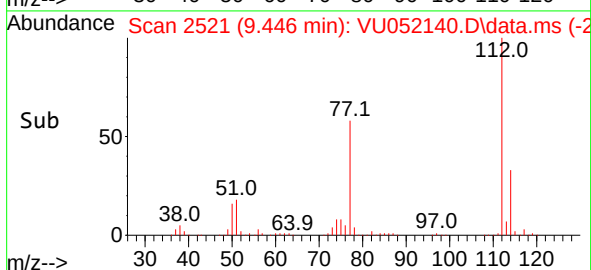
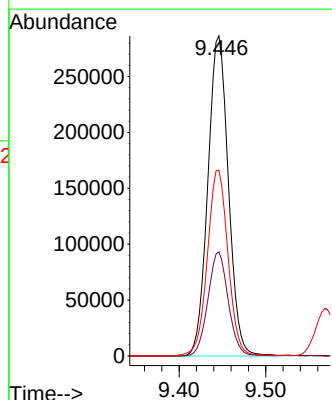
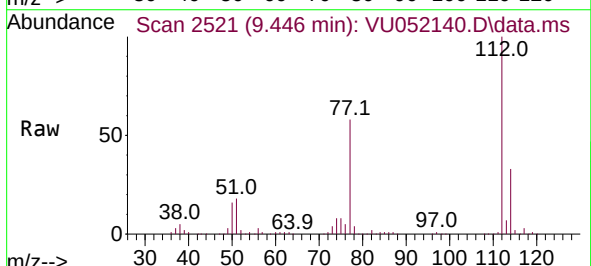
Tgt Ion:112 Resp: 472116

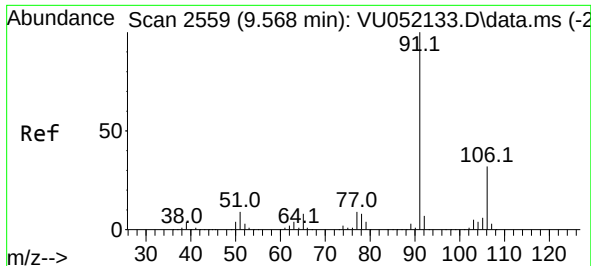
Ion Ratio Lower Upper

112 100

114 32.5 22.2 41.2

77 58.1 46.5 69.7

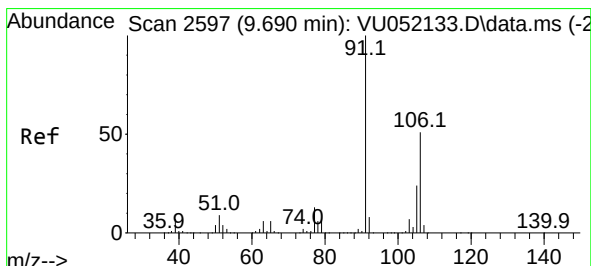
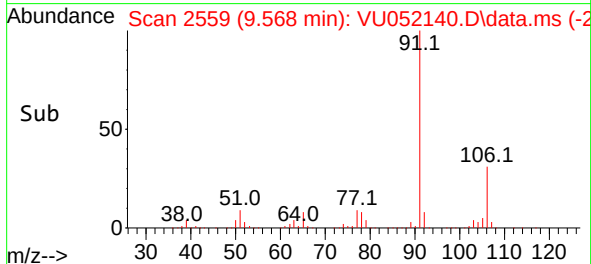
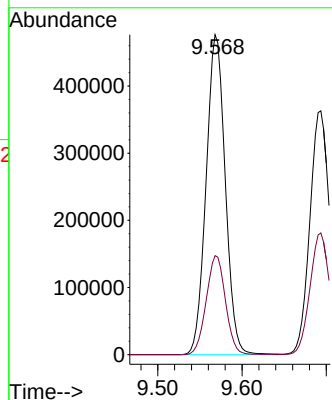
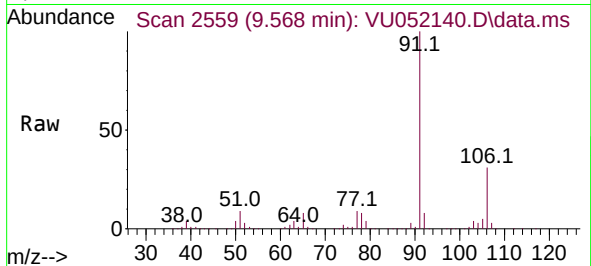




#52
Ethylbenzene
Concen: 53.031 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

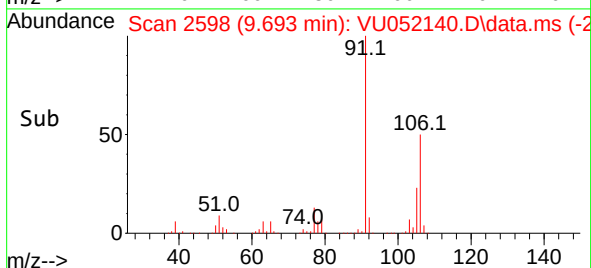
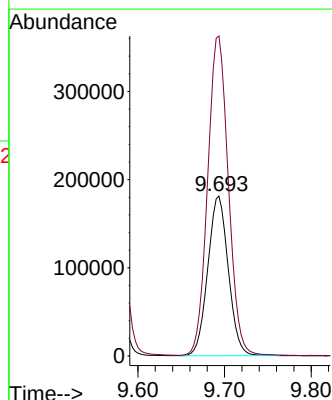
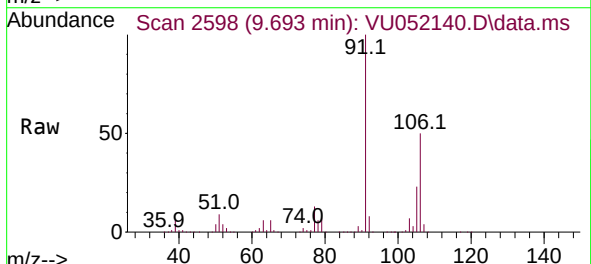
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

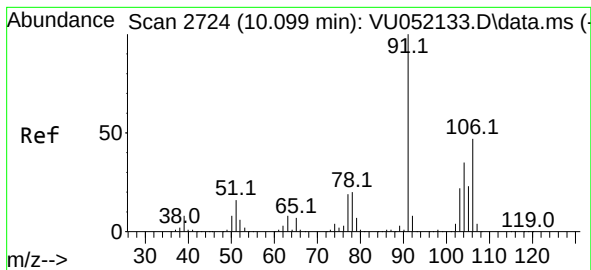
Tgt Ion: 91 Resp: 754274
Ion Ratio Lower Upper
91 100
106 30.9 21.2 39.4



#53
m,p-Xylene
Concen: 54.316 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 106 Resp: 298489
Ion Ratio Lower Upper
106 100
91 200.2 140.3 260.6





#54

o-Xylene

Concen: 53.558 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

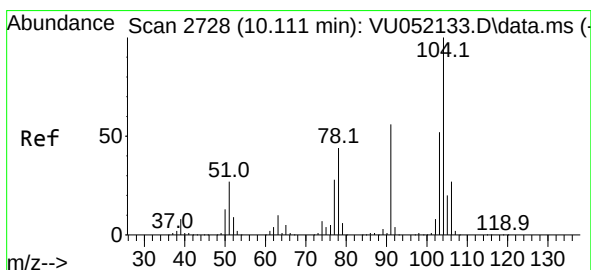
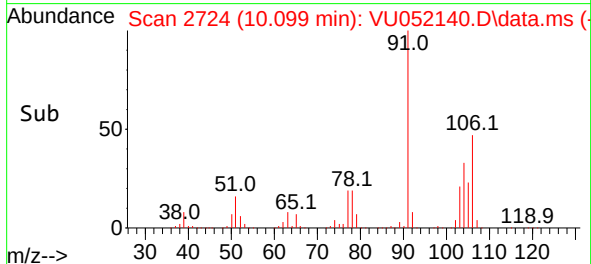
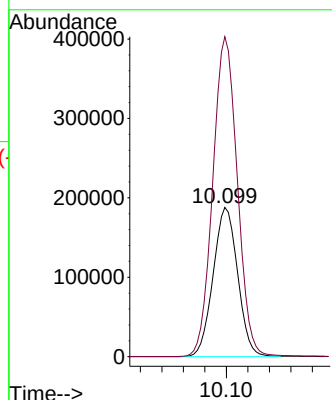
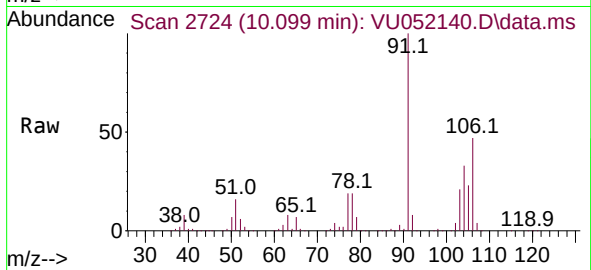
VSTD050136

Tgt Ion:106 Resp: 297798

Ion Ratio Lower Upper

106 100

91 214.4 146.7 272.4



#55

Styrene

Concen: 55.680 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052140.D

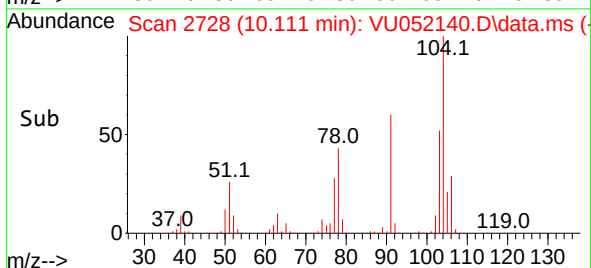
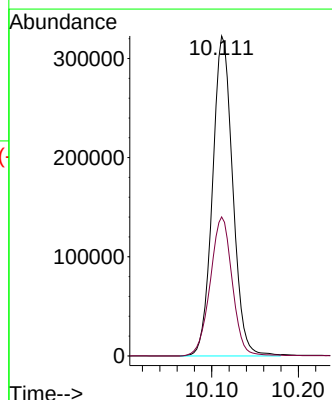
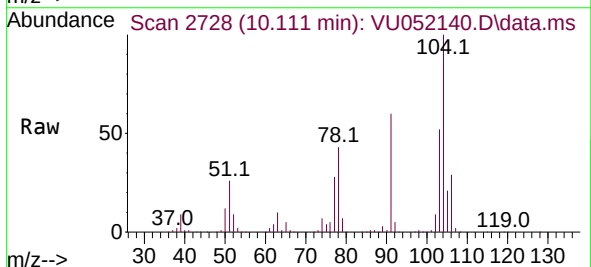
Acq: 28 Nov 2022 11:25

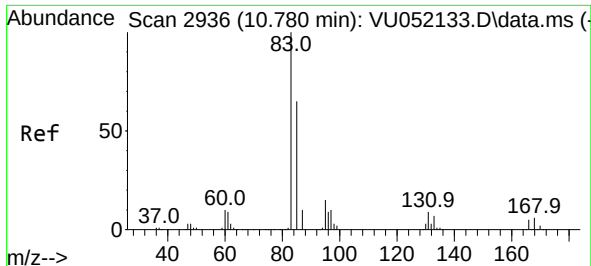
Tgt Ion:104 Resp: 524502

Ion Ratio Lower Upper

104 100

78 43.4 31.2 58.0

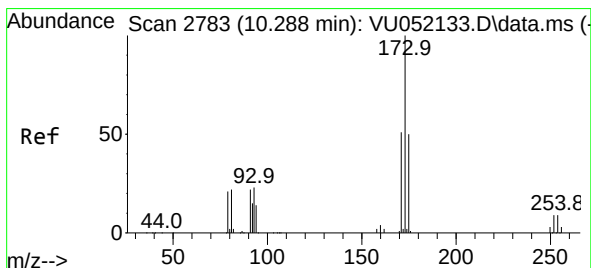
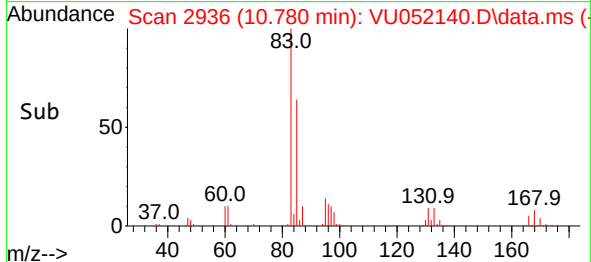
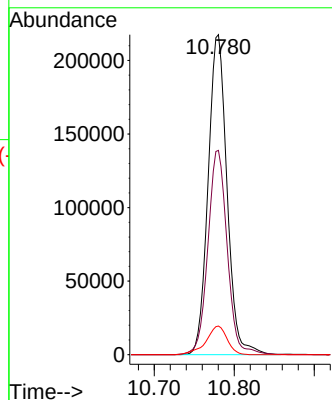
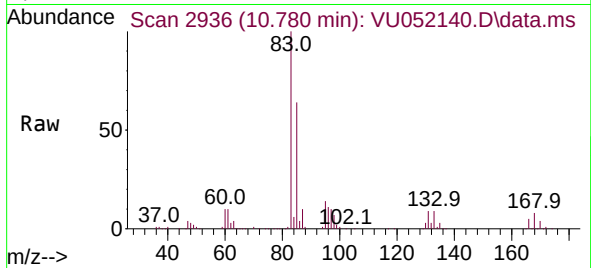




#57
 1,1,2,2-Tetrachloroethane
 Concen: 52.807 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

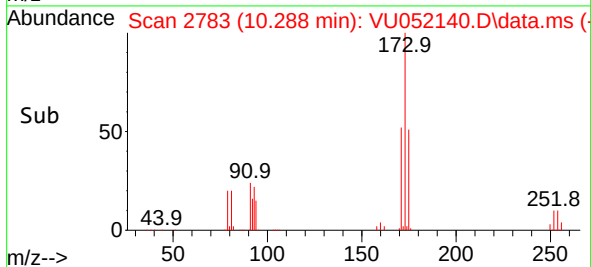
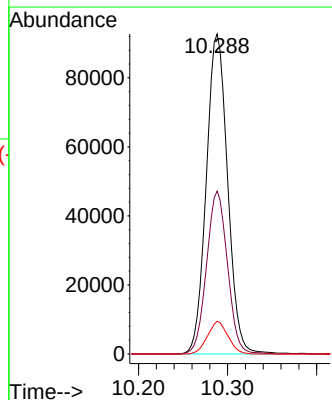
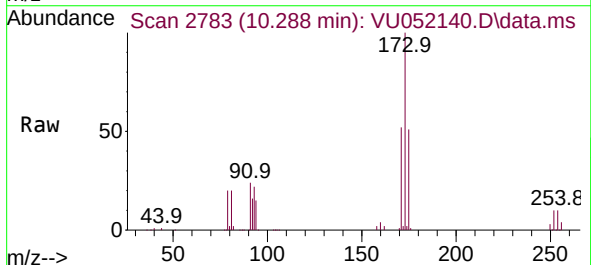
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

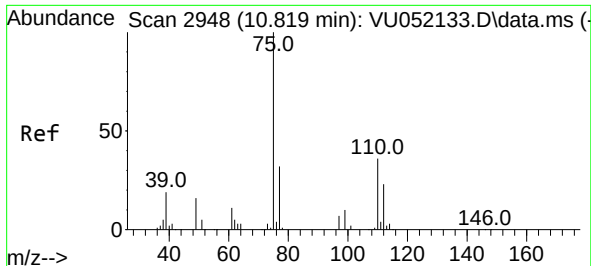
Tgt Ion: 83 Resp: 357745
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.4 84.2
 131 9.0 7.3 10.9



#59
 Bromoform
 Concen: 50.603 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. -0.000 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

Tgt Ion:173 Resp: 153967
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.8 59.6
 254 9.7 7.5 11.3

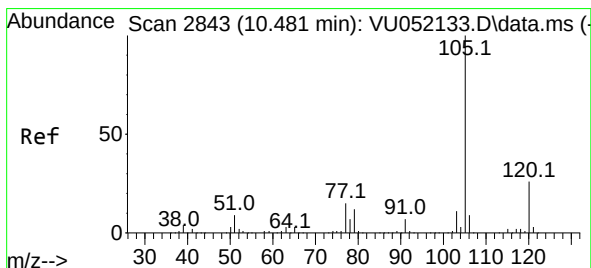
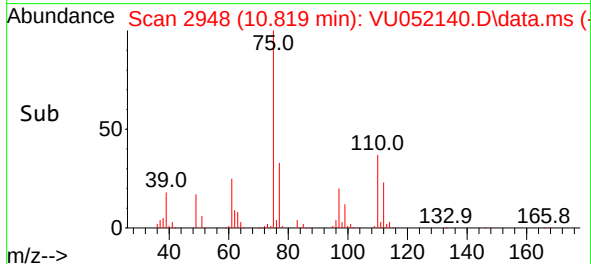
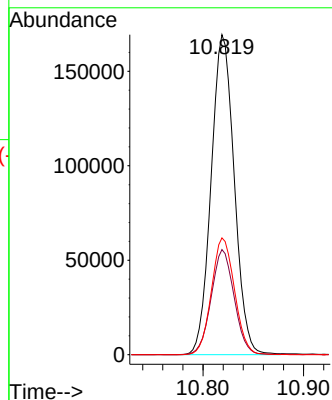
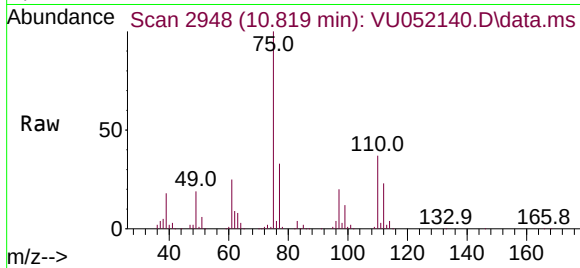




#60
1,2,3-Trichloropropane
Concen: 49.633 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

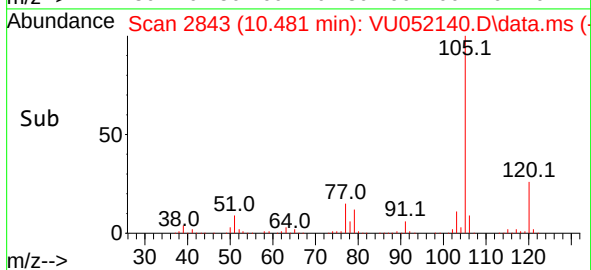
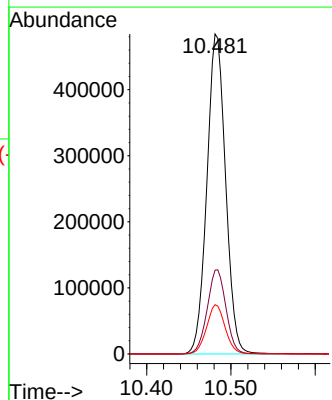
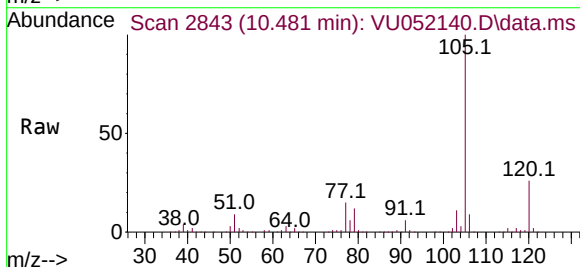
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

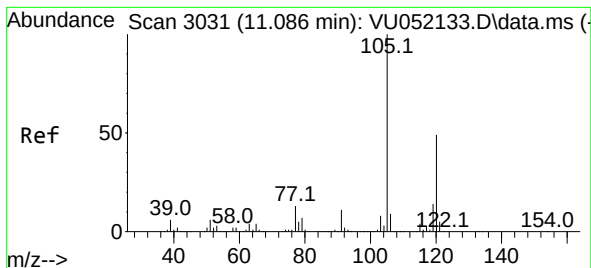
Tgt Ion: 75 Resp: 270763
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 36.4 29.0 43.4



#61
Isopropylbenzene
Concen: 52.161 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 105 Resp: 747745
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.3 12.4 18.6





#62

1,3,5-Trimethylbenzene

Concen: 53.032 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052140.D

Acq: 28 Nov 2022 11:25

Instrument :

MSVOA_U

ClientSampleId :

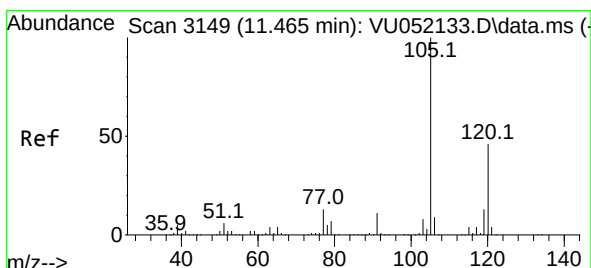
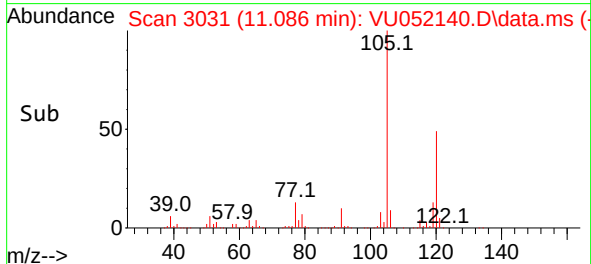
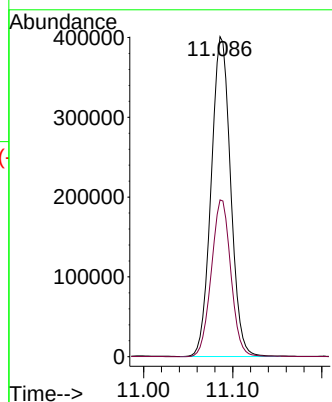
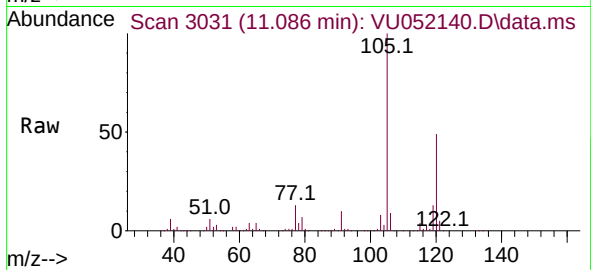
VSTD050136

Tgt Ion:105 Resp: 607380

Ion Ratio Lower Upper

105 100

120 49.3 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 53.441 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052140.D

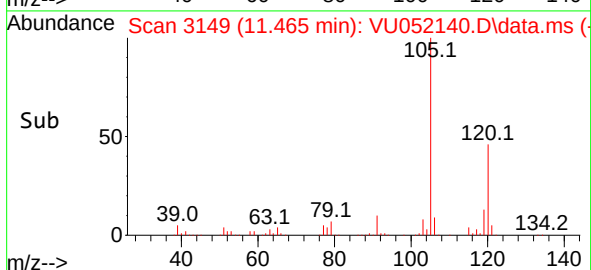
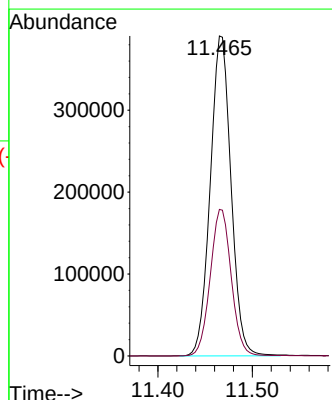
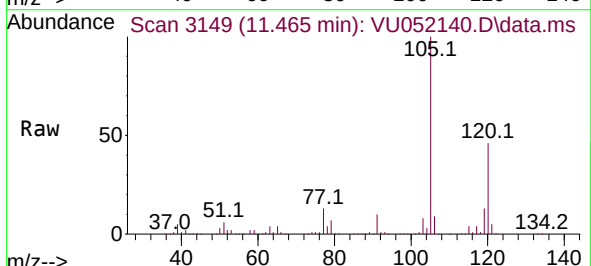
Acq: 28 Nov 2022 11:25

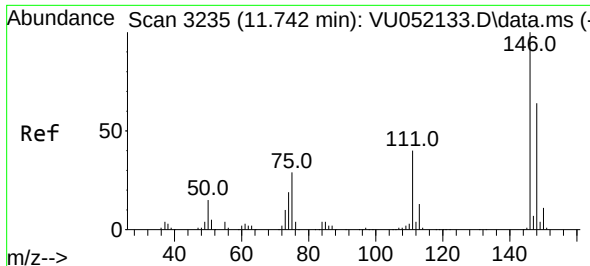
Tgt Ion:105 Resp: 596469

Ion Ratio Lower Upper

105 100

120 46.1 36.1 54.1

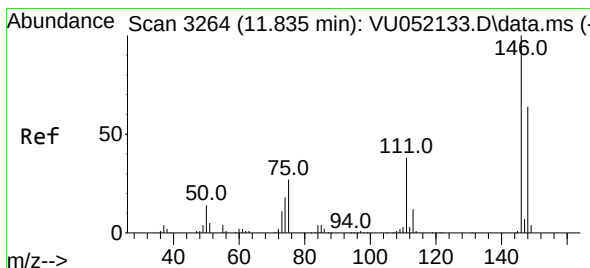
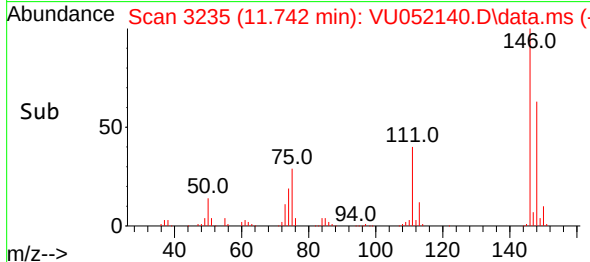
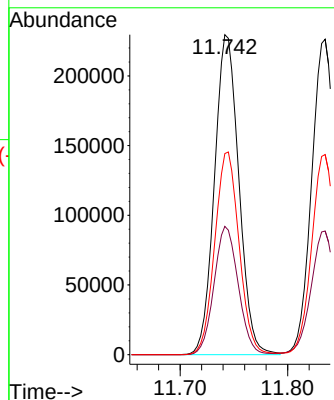
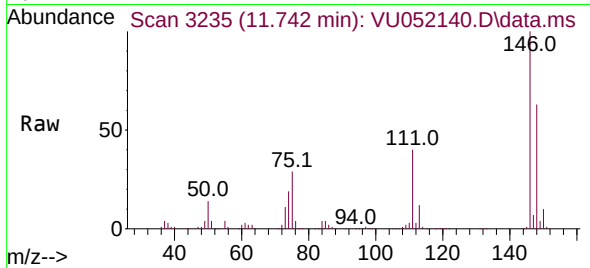




#64
1,3-Dichlorobenzene
Concen: 52.155 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

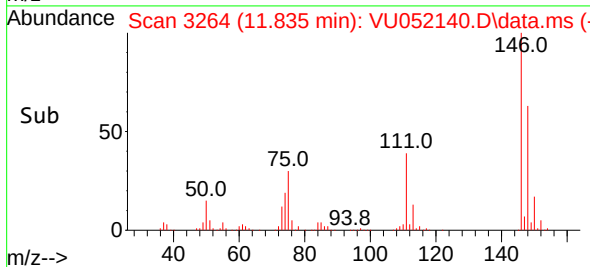
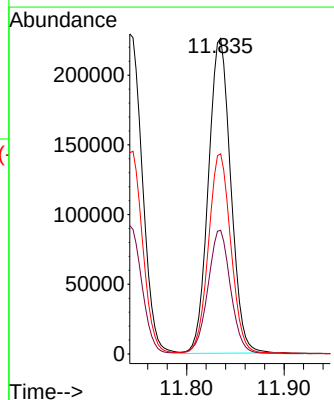
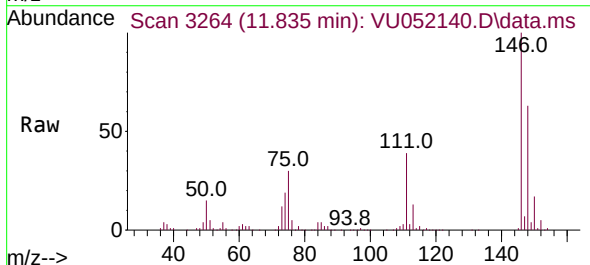
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

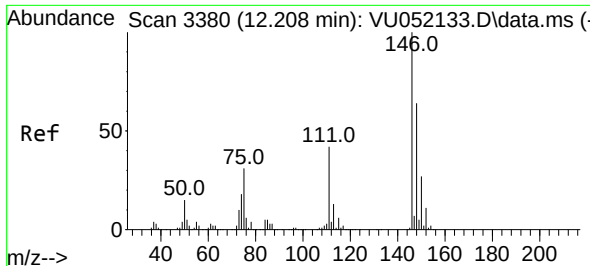
Tgt Ion:146 Resp: 362432
Ion Ratio Lower Upper
146 100
111 40.1 27.5 51.1
148 62.9 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 50.870 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion:146 Resp: 360203
Ion Ratio Lower Upper
146 100
111 39.2 27.6 51.2
148 63.4 44.8 83.2

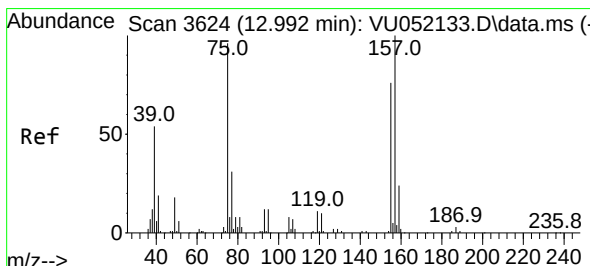
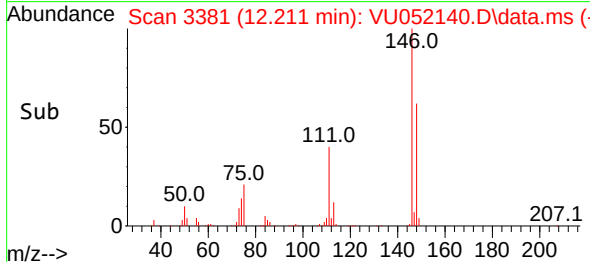
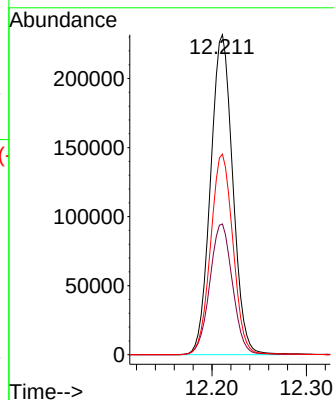
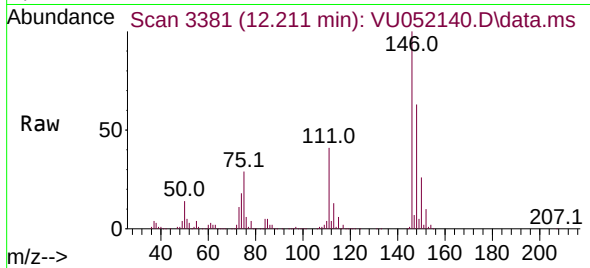




#67
1,2-Dichlorobenzene
Concen: 51.976 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

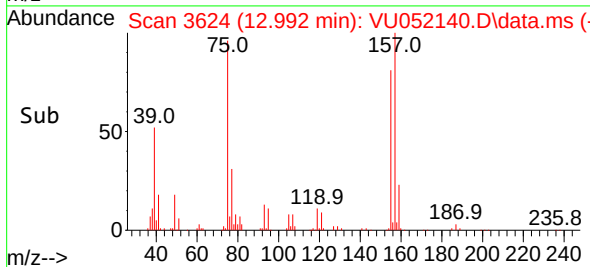
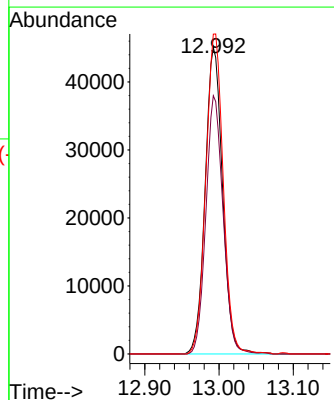
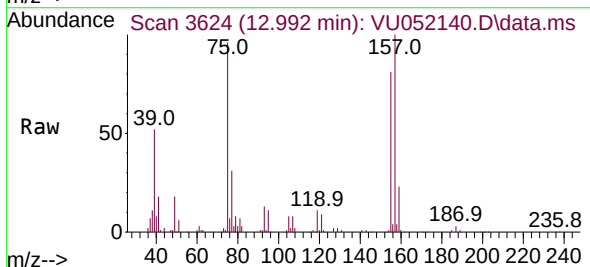
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

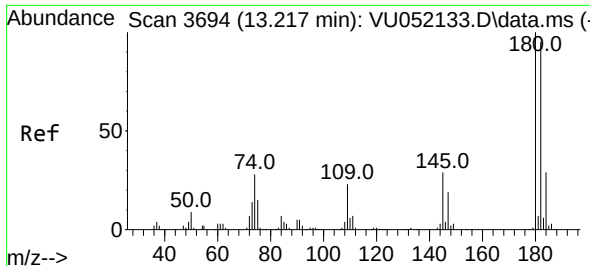
Tgt Ion:146 Resp: 378439
Ion Ratio Lower Upper
146 100
111 40.8 34.2 51.4
148 62.7 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 54.621 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion: 75 Resp: 73412
Ion Ratio Lower Upper
75 100
155 84.3 66.3 99.5
157 104.3 82.8 124.2

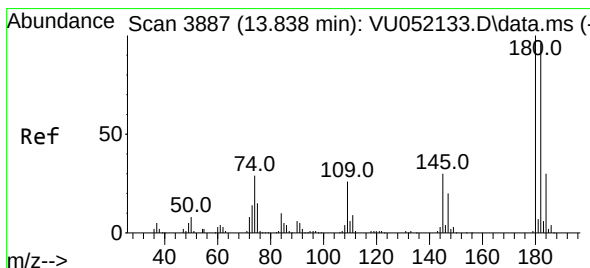
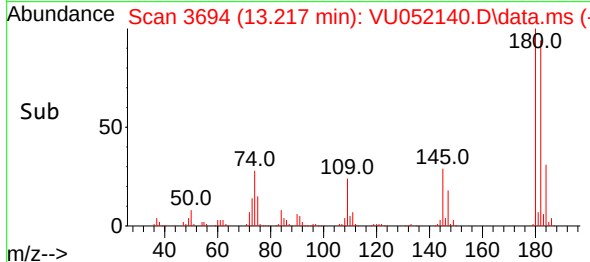
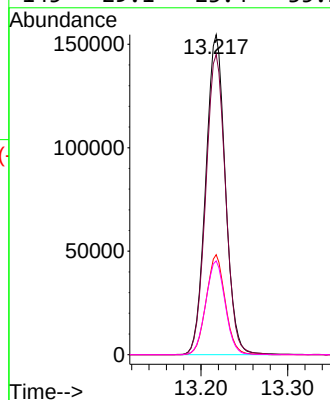
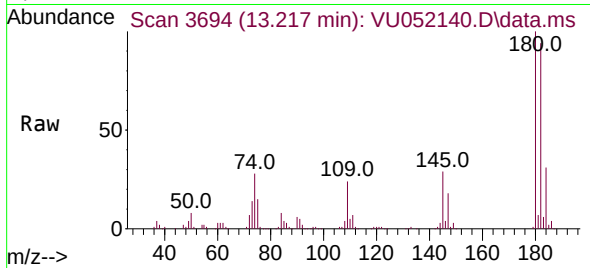




#69
 1,3,5-Trichlorobenzene
 Concen: 52.350 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

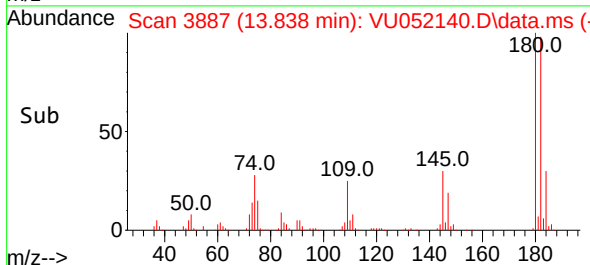
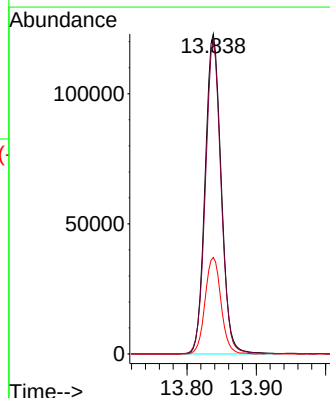
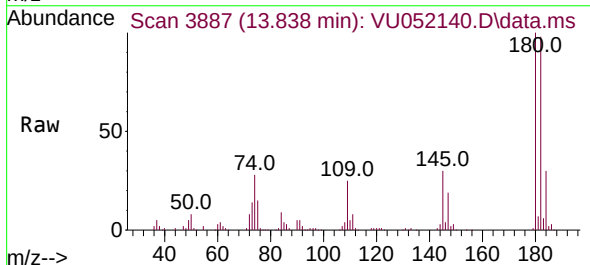
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

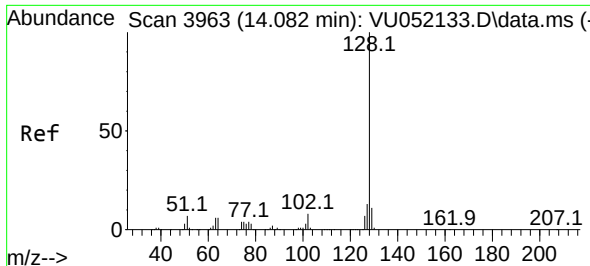
Tgt Ion:180 Resp: 242868
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.2 115.8
 184 30.4 24.6 36.8
 145 29.1 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 53.170 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU052140.D
 Acq: 28 Nov 2022 11:25

Tgt Ion:180 Resp: 198148
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.4 113.2
 145 29.9 23.4 35.0

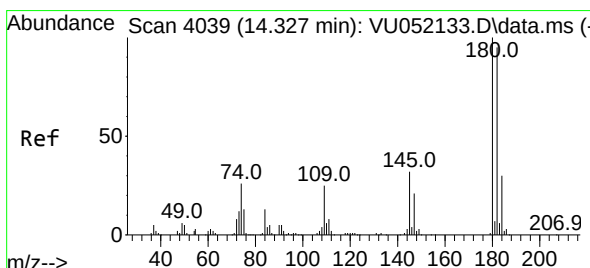
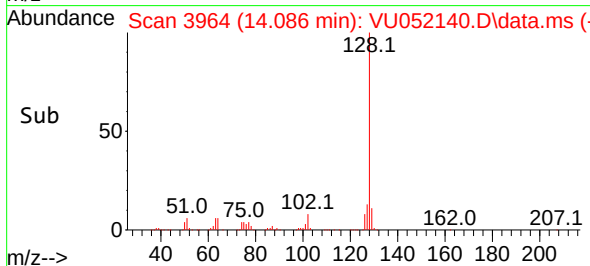
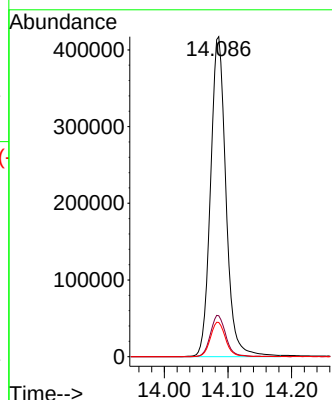
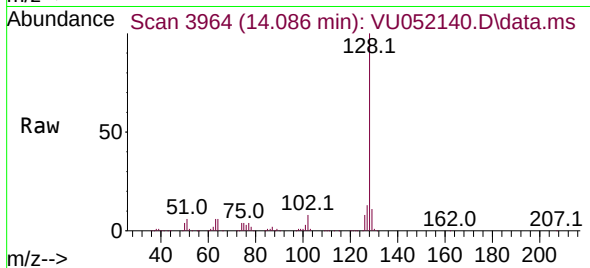




#71
Naphthalene
Concen: 58.026 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

Tgt Ion:128 Resp: 704014
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 55.413 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052140.D
Acq: 28 Nov 2022 11:25

Tgt Ion:180 Resp: 223725
Ion Ratio Lower Upper
180 100
182 95.7 76.1 114.1
145 31.4 25.8 38.6

