

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052151.D
 Acq On : 28 Nov 2022 16:39
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050137

Quant Time: Nov 28 21:47:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 28 21:44:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	471916	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	457085	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	235501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	184986	45.235	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.460%
7) Chloroethane-d5	1.909	69	146736	45.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.620%
11) 1,1-Dichloroethene-d2	2.565	63	283478	46.764	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.520%
21) 2-Butanone-d5	4.616	46	239874	97.610	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.610%
24) Chloroform-d	5.060	84	308598	46.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.120%
26) 1,2-Dichloroethane-d4	5.700	65	180704	44.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.680%
32) Benzene-d6	5.726	84	642613	47.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.340%
36) 1,2-Dichloropropane-d6	6.687	67	200763	45.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.896	98	587134	48.234	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.460%
43) trans-1,3-Dichloroprop...	8.176	79	85353	45.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.620%
47) 2-Hexanone-d5	8.629	63	177679	104.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	312412	45.117	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	205792	42.257	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	121890	48.115	ug/L	99
3) Chloromethane	1.527	50	184464	50.809	ug/L	98
5) Vinyl chloride	1.604	62	181858	48.787	ug/L	98
6) Bromomethane	1.848	94	71330	38.124	ug/L	98
8) Chloroethane	1.928	64	119855	49.034	ug/L	100
9) Trichlorofluoromethane	2.137	101	223815	50.225	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	143258	50.069	ug/L	99
12) 1,1-Dichloroethene	2.578	96	134304	49.150	ug/L	99
13) Acetone	2.620	43	187313	83.439	ug/L	100
14) Carbon disulfide	2.793	76	324219	46.922	ug/L	100
15) Methyl Acetate	2.945	43	195117	54.441	ug/L	99
16) Methylene chloride	3.044	84	190215	45.704	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	142174	48.901	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	469482	49.714	ug/L	99
19) 1,1-Dichloroethane	3.867	63	299329	50.043	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	170937	48.970	ug/L	98
22) 2-Butanone	4.697	43	291697	104.213	ug/L	98
23) Bromochloromethane	4.970	128	94199	50.134	ug/L	99
25) Chloroform	5.086	83	311089	50.404	ug/L	99

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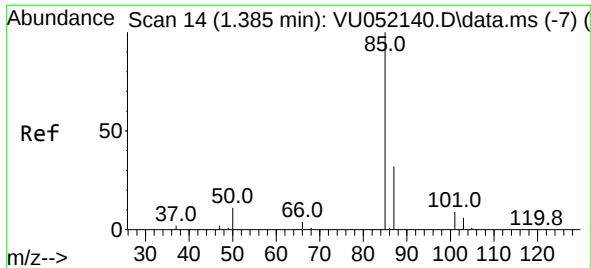
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	231562	50.011	ug/L	98
29) Cyclohexane	5.388	56	202305	50.471	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	242703	51.778	ug/L	99
31) Carbon tetrachloride	5.523	117	196589	51.802	ug/L	100
33) Benzene	5.771	78	689293	50.904	ug/L	100
34) Trichloroethene	6.539	95	155569	49.239	ug/L	98
35) Methylcyclohexane	6.761	83	217660	50.266	ug/L	99
37) 1,2-Dichloropropane	6.787	63	195079	51.569	ug/L	100
38) Bromodichloromethane	7.102	83	235324	50.384	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	254692	49.789	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	536034	111.409	ug/L	99
42) Toluene	7.967	91	724423	51.772	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	244583	51.118	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	189766	50.887	ug/L	99
46) Tetrachloroethene	8.552	164	117720	49.388	ug/L	98
48) 2-Hexanone	8.681	43	431227	108.305	ug/L	99
49) Dibromochloromethane	8.806	129	193411	51.033	ug/L	99
50) 1,2-Dibromoethane	8.922	107	189206	50.516	ug/L	99
51) Chlorobenzene	9.443	112	456562	49.592	ug/L	100
52) Ethylbenzene	9.568	91	717219	50.341	ug/L	98
53) m,p-Xylene	9.690	106	288282	52.371	ug/L	98
54) o-Xylene	10.099	106	290132	52.092	ug/L	98
55) Styrene	10.111	104	505083	53.528	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	350810	51.696	ug/L	99
59) Bromoform	10.288	173	146395	47.998	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	269470	49.278	ug/L	98
61) Isopropylbenzene	10.481	105	715643	49.801	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	569041	49.565	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	562171	50.247	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	335974	48.231	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	340769	48.010	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	359320	49.231	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	70141	52.062	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	213734	45.959	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	172484	46.172	ug/L	100
71) Naphthalene	14.086	128	611708	50.296	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	199114	49.198	ug/L	99

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

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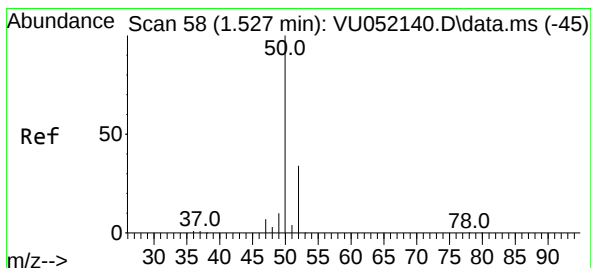
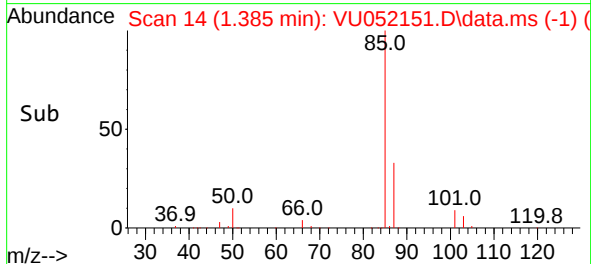
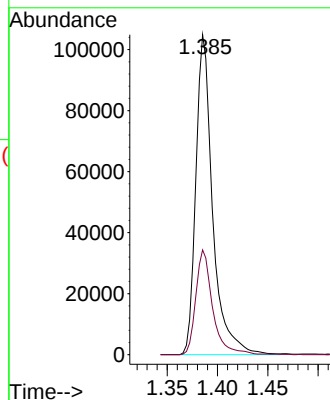
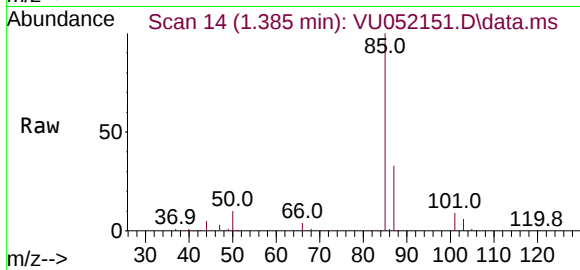




#2
Dichlorodifluoromethane
Concen: 48.115 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

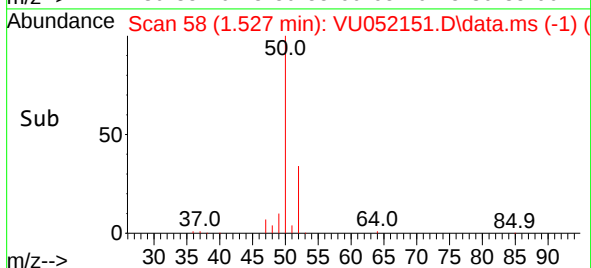
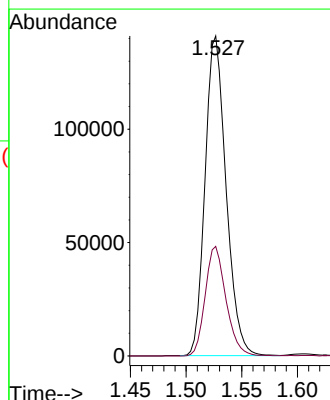
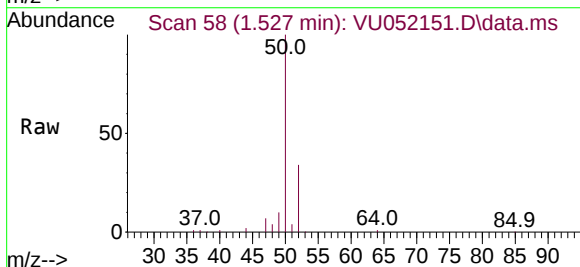
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

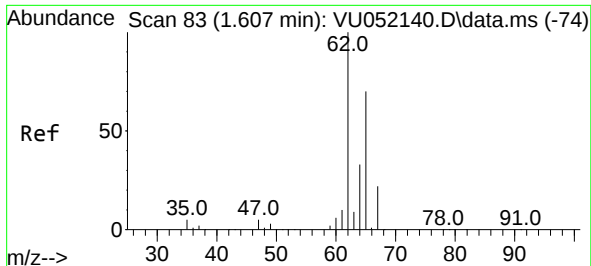
Tgt Ion: 85 Resp: 121890
Ion Ratio Lower Upper
85 100
87 32.7 25.9 38.9



#3
Chloromethane
Concen: 50.809 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 50 Resp: 184464
Ion Ratio Lower Upper
50 100
52 34.3 23.1 42.9

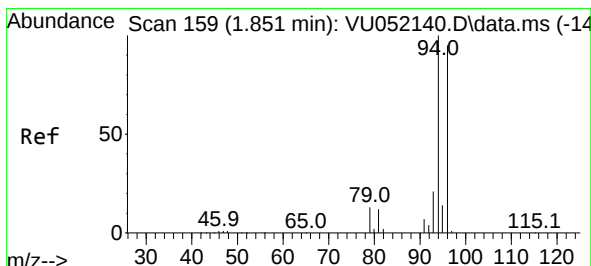
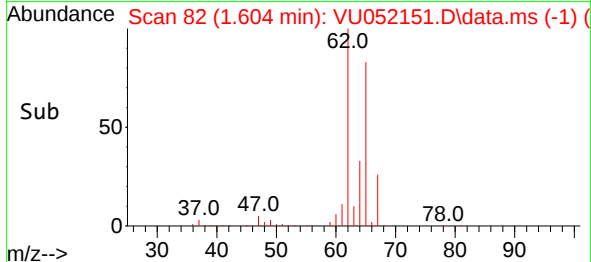
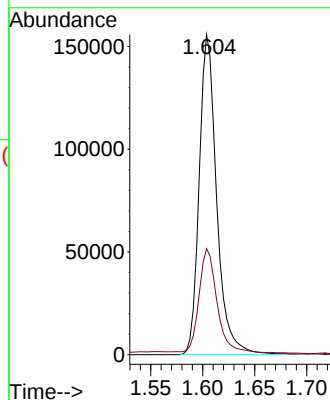
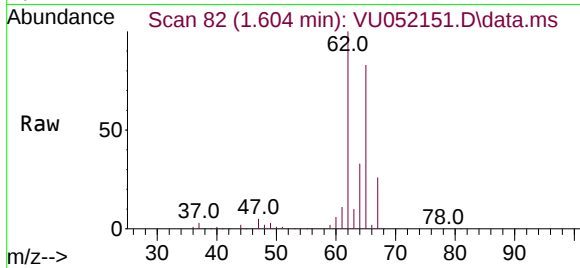




#5
 Vinyl chloride
 Concen: 48.787 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

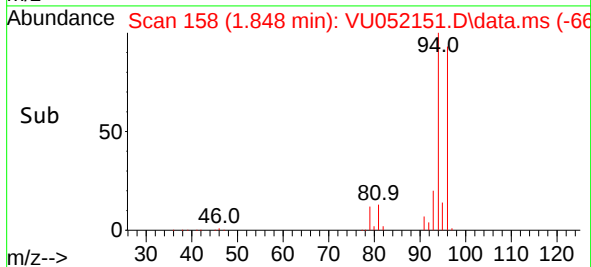
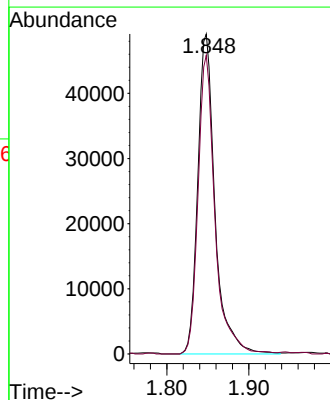
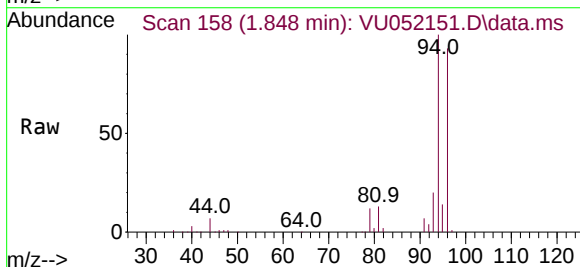
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 ClientSampleId :
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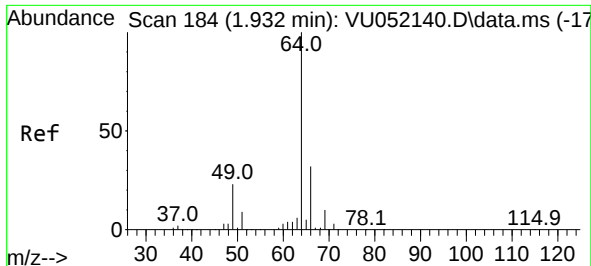
Tgt Ion: 62 Resp: 181858
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.9 44.3



#6
 Bromomethane
 Concen: 38.124 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

Tgt Ion: 94 Resp: 71330
 Ion Ratio Lower Upper
 94 100
 96 93.4 66.8 124.0

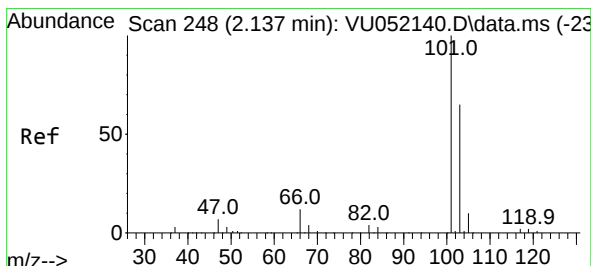
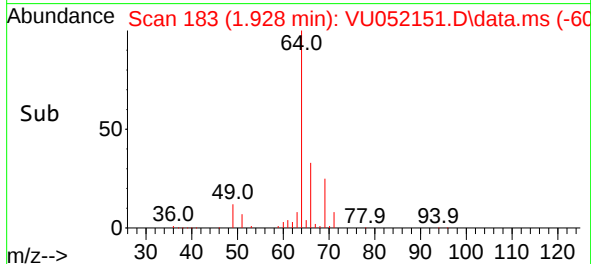
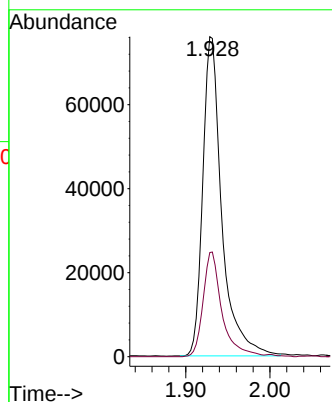
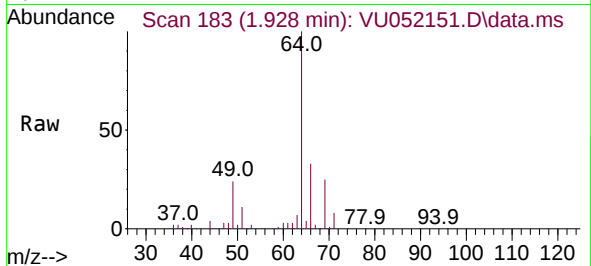




#8
Chloroethane
Concen: 49.034 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

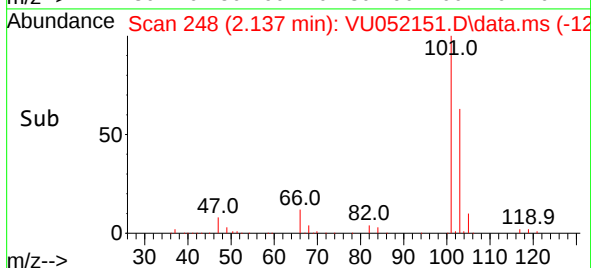
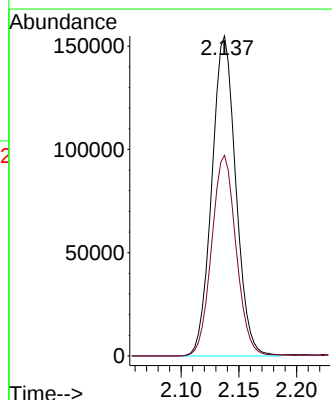
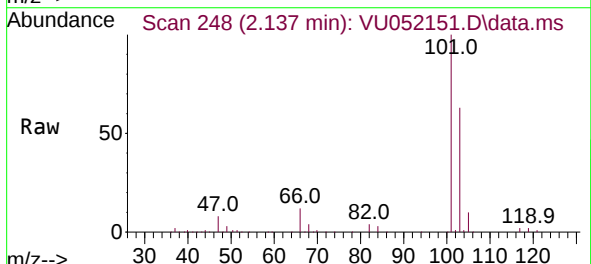
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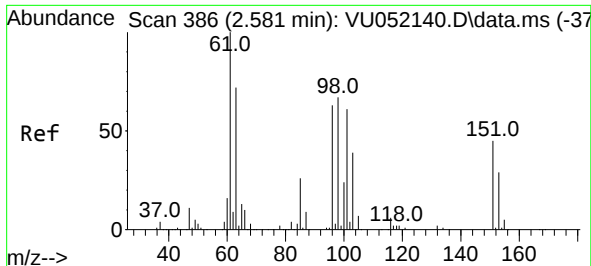
Tgt Ion: 64 Resp: 119855
Ion Ratio Lower Upper
64 100
66 32.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 50.225 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:101 Resp: 223815
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3

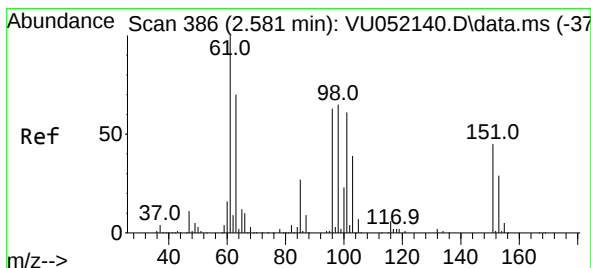
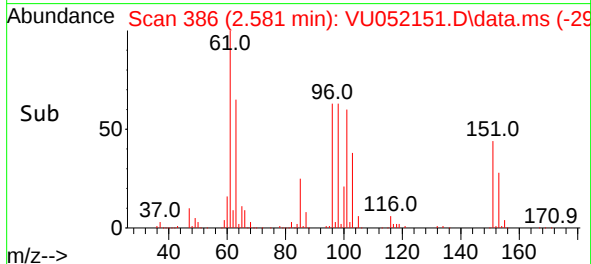
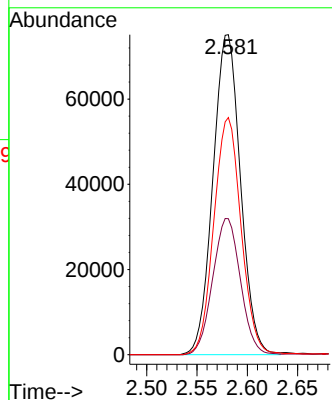
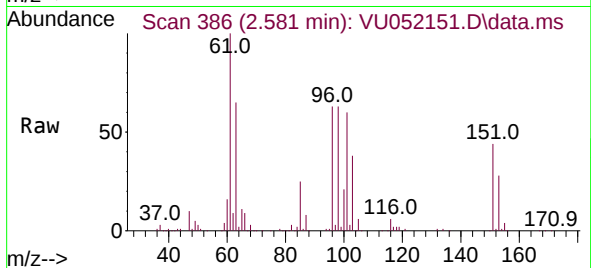




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.069 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

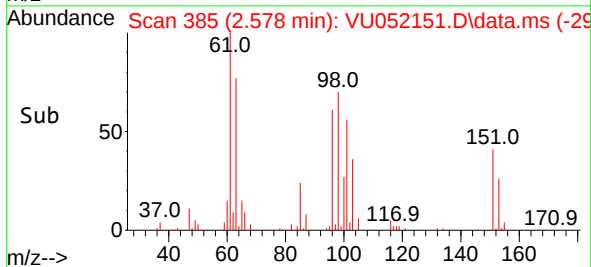
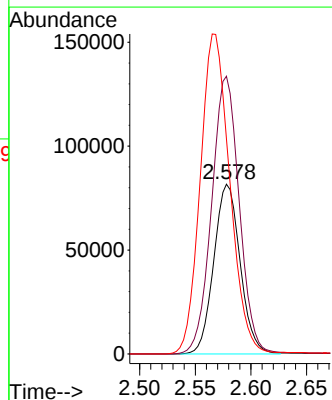
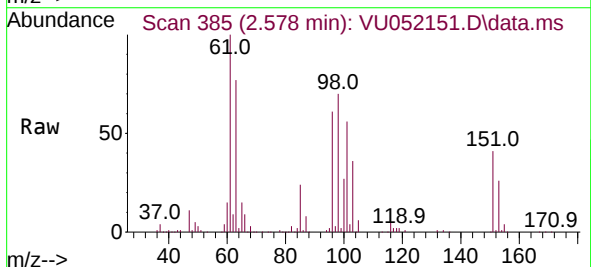
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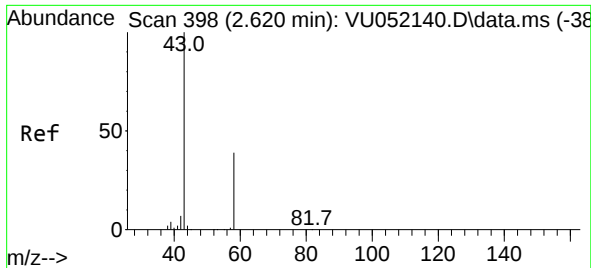
Tgt Ion:101 Resp: 143258
 Ion Ratio Lower Upper
 101 100
 85 42.8 33.6 50.4
 151 73.3 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 49.150 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

Tgt Ion: 96 Resp: 134304
 Ion Ratio Lower Upper
 96 100
 61 163.7 114.2 212.0
 63 126.8 90.9 168.7





#13

Acetone

Concen: 83.439 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU052151.D

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Instrument :

MSVOA_U

ClientSampleId :

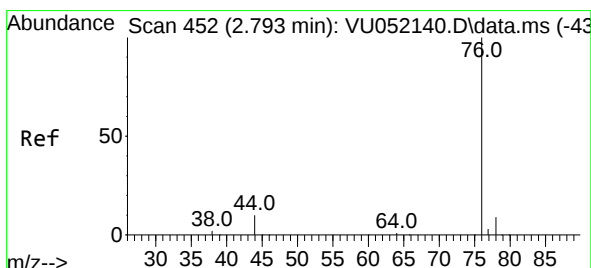
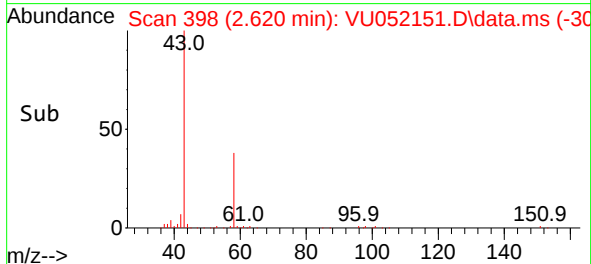
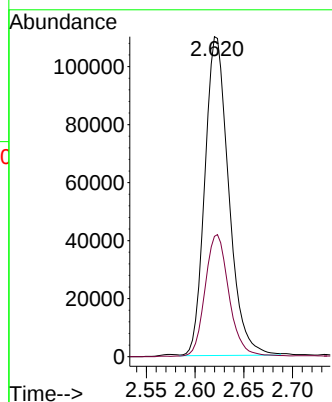
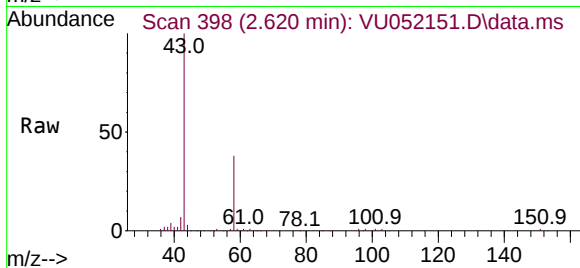
VSTD050137

Tgt Ion: 43 Resp: 187313

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.6



#14

Carbon disulfide

Concen: 46.922 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052151.D

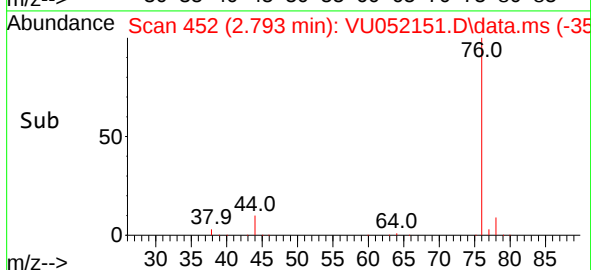
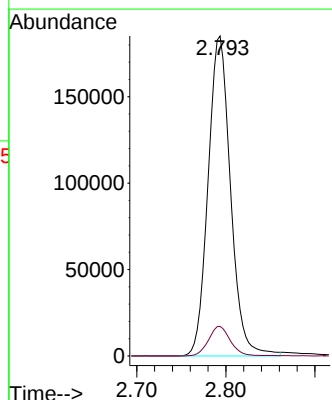
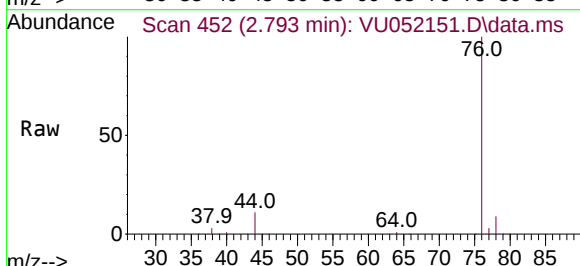
Acq: 28 Nov 2022 16:39

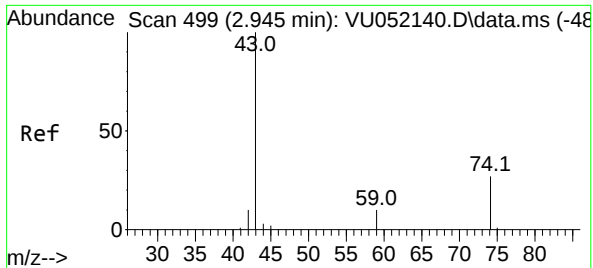
Tgt Ion: 76 Resp: 324219

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

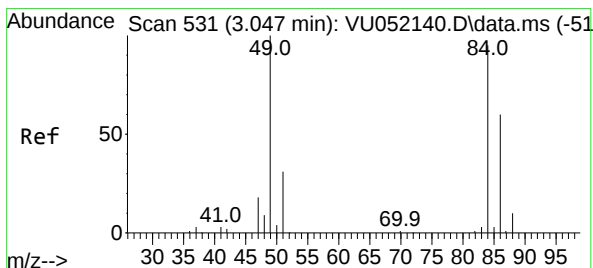
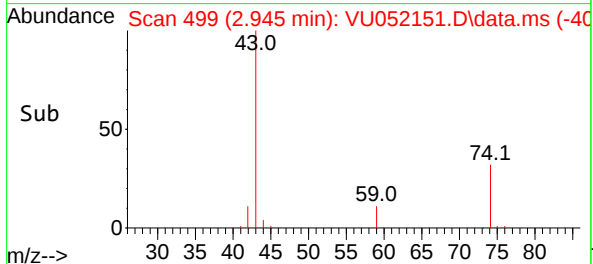
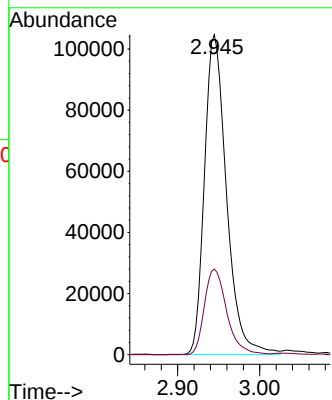
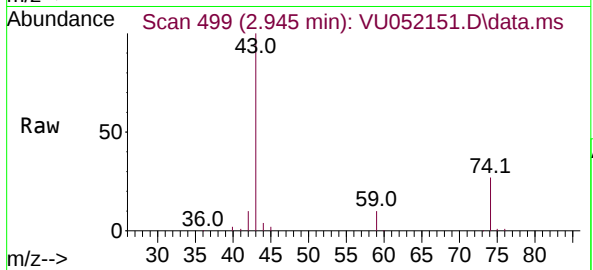




#15
Methyl Acetate
Concen: 54.441 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

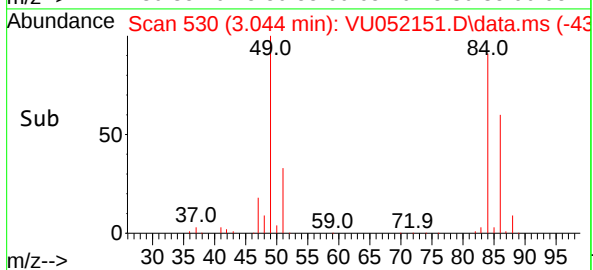
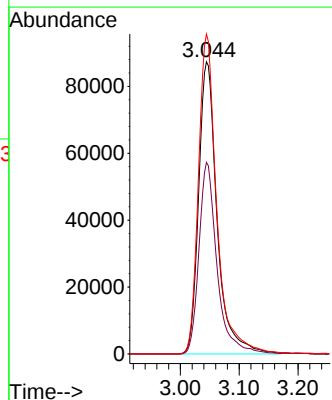
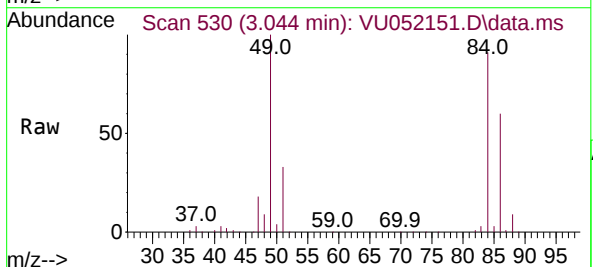
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

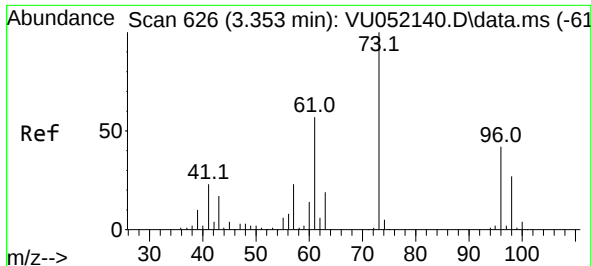
Tgt Ion: 43 Resp: 195117
Ion Ratio Lower Upper
43 100
74 27.2 22.2 33.4



#16
Methylene chloride
Concen: 45.704 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 84 Resp: 190215
Ion Ratio Lower Upper
84 100
86 65.6 45.2 84.0
49 109.5 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 48.901 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

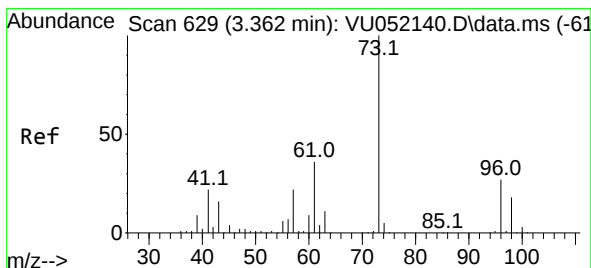
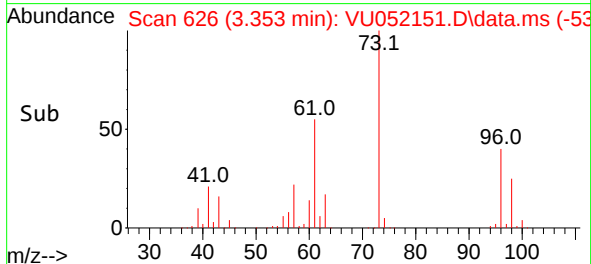
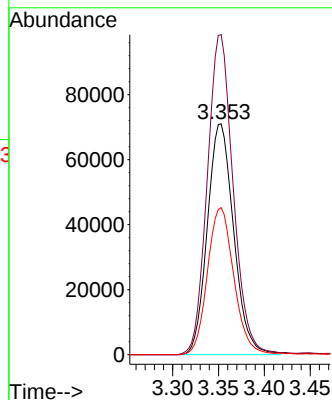
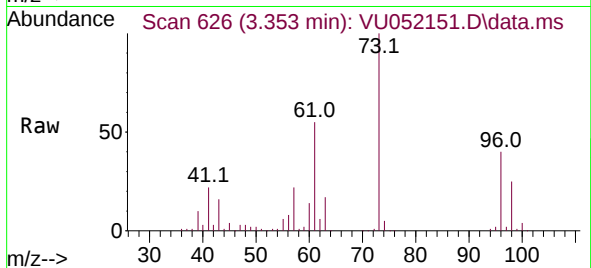
Tgt Ion: 96 Resp: 142174

Ion Ratio Lower Upper

96 100

61 138.6 93.9 174.3

98 63.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 49.714 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

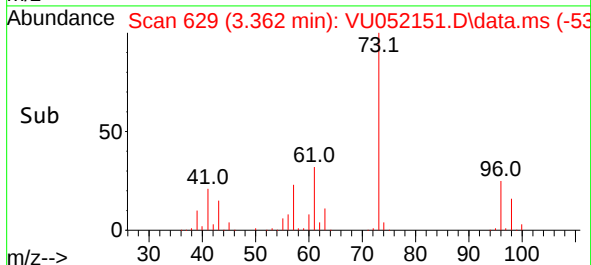
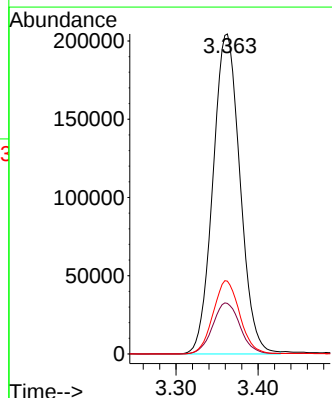
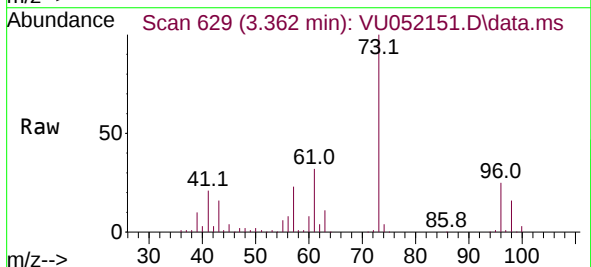
Tgt Ion: 73 Resp: 469482

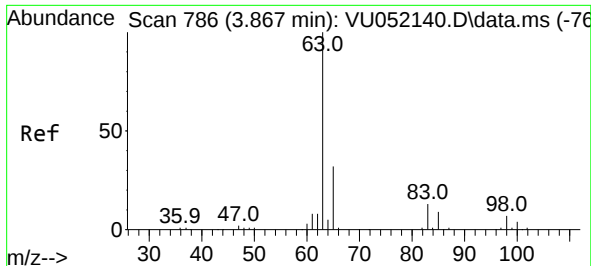
Ion Ratio Lower Upper

73 100

43 16.1 13.1 19.7

57 22.6 17.8 26.6

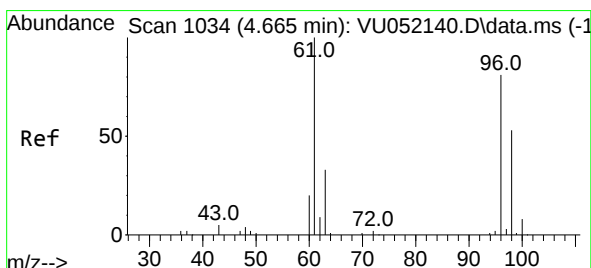
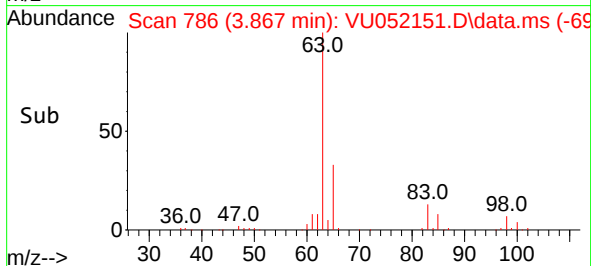
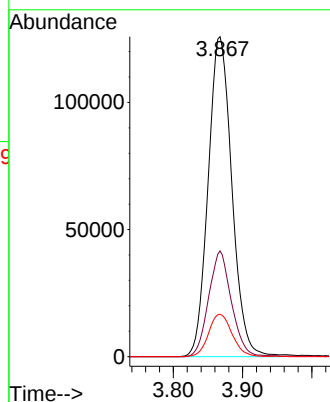
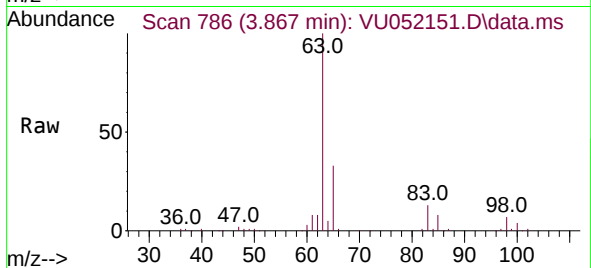




#19
1,1-Dichloroethane
Concen: 50.043 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

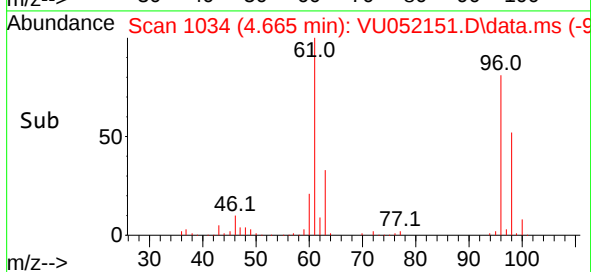
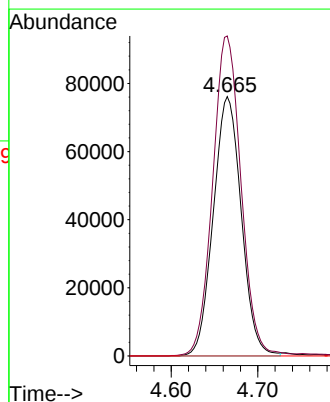
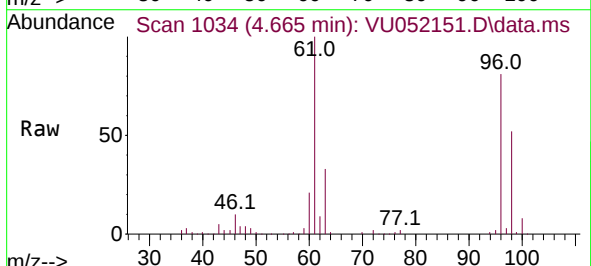
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

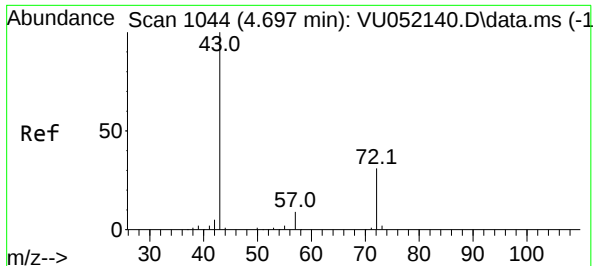
Tgt Ion: 63 Resp: 299329
Ion Ratio Lower Upper
63 100
65 33.1 22.3 41.3
83 13.3 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 48.970 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 96 Resp: 170937
Ion Ratio Lower Upper
96 100
61 123.4 84.5 156.9
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.213 ug/L

RT: 4.697 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

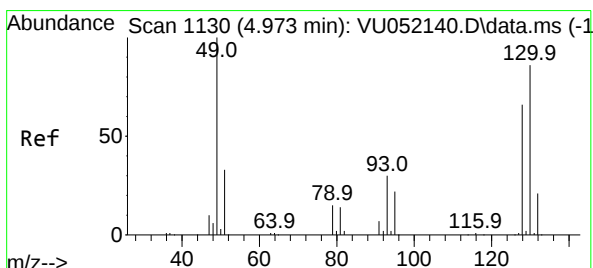
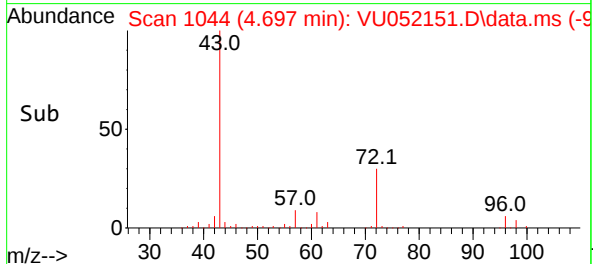
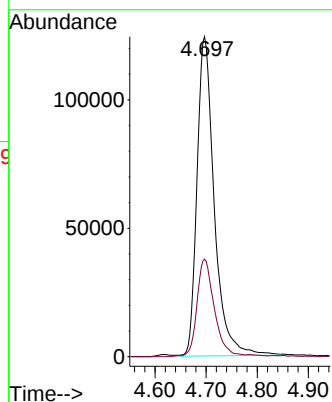
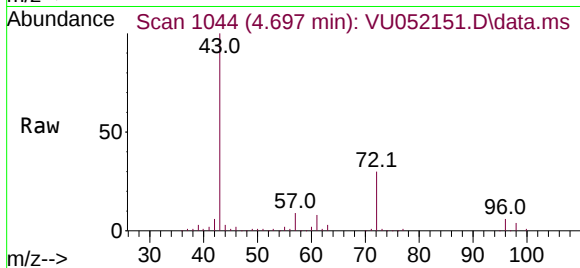
VSTD050137

Tgt Ion: 43 Resp: 291697

Ion Ratio Lower Upper

43 100

72 30.7 15.9 47.7



#23

Bromochloromethane

Concen: 50.134 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Tgt Ion:128 Resp: 94199

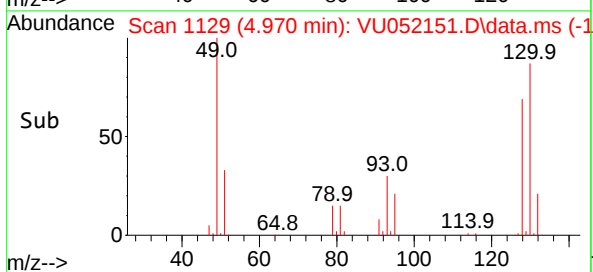
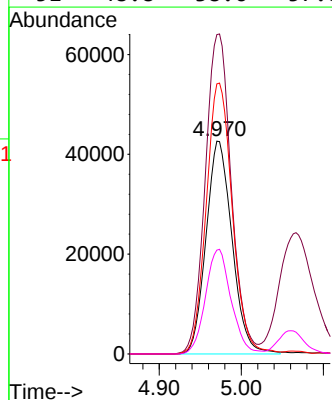
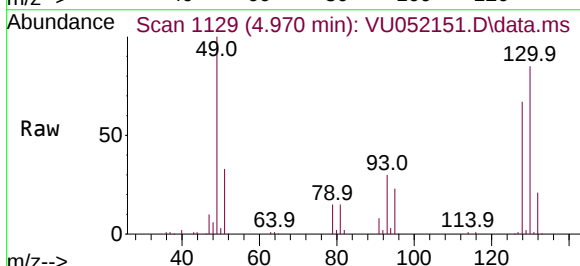
Ion Ratio Lower Upper

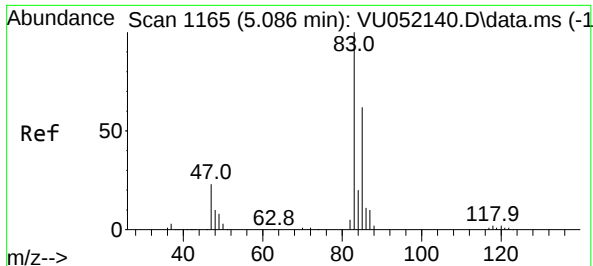
128 100

49 150.1 106.3 197.3

130 126.9 87.4 162.2

51 48.8 38.6 57.8





#25

Chloroform

Concen: 50.404 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

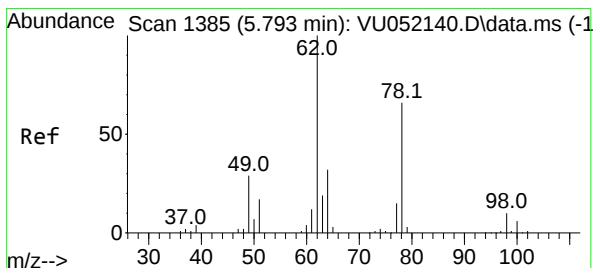
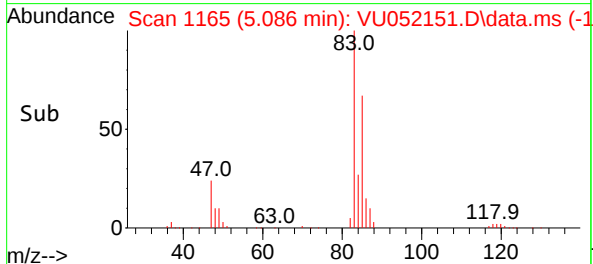
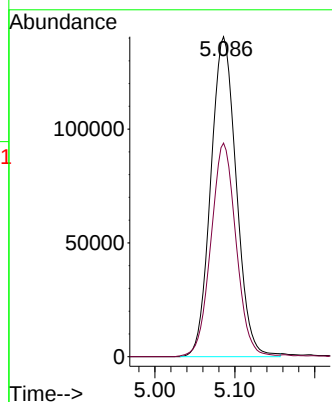
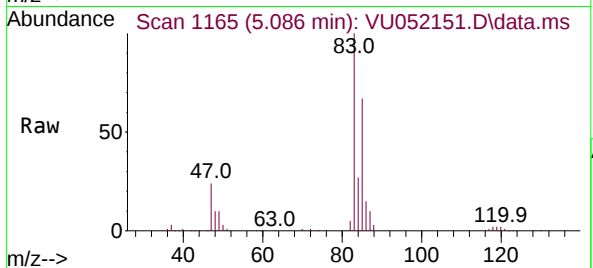
VSTD050137

Tgt Ion: 83 Resp: 311089

Ion Ratio Lower Upper

83 100

85 66.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 50.011 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052151.D

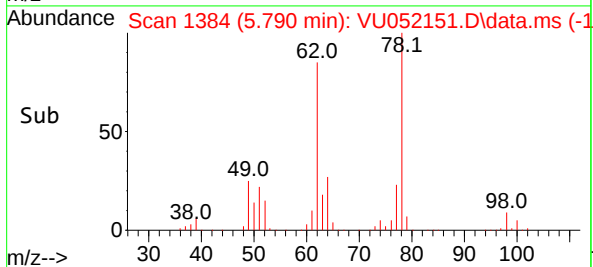
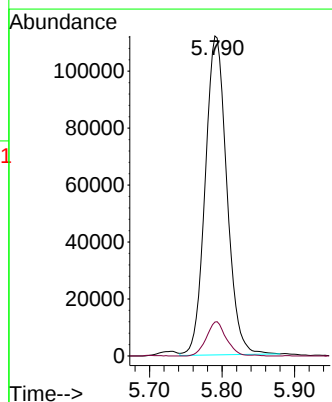
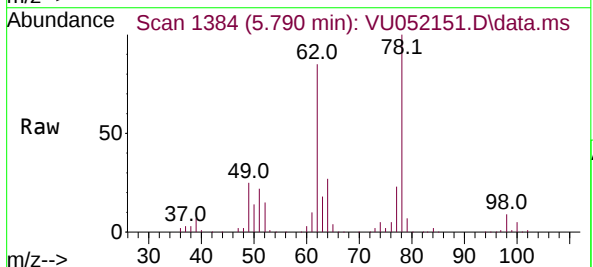
Acq: 28 Nov 2022 16:39

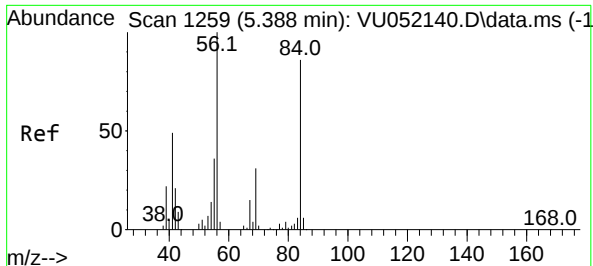
Tgt Ion: 62 Resp: 231562

Ion Ratio Lower Upper

62 100

98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 50.471 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

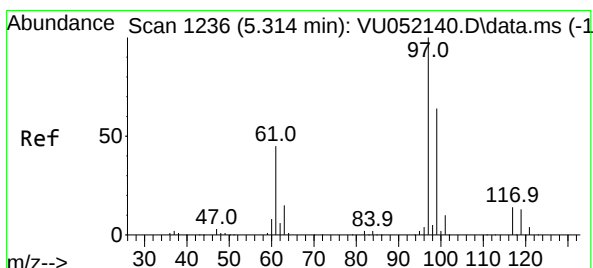
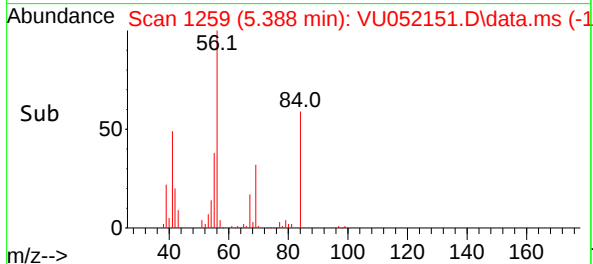
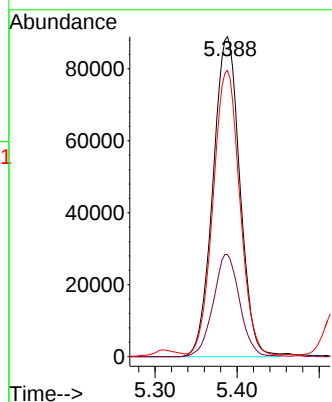
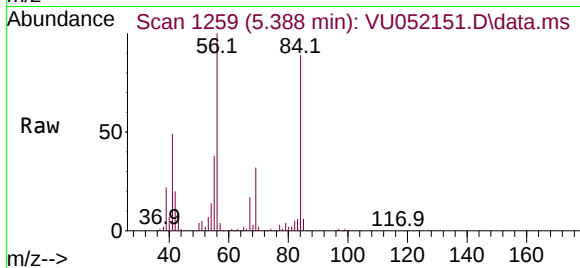
Tgt Ion: 56 Resp: 202305

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 87.9 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 51.778 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

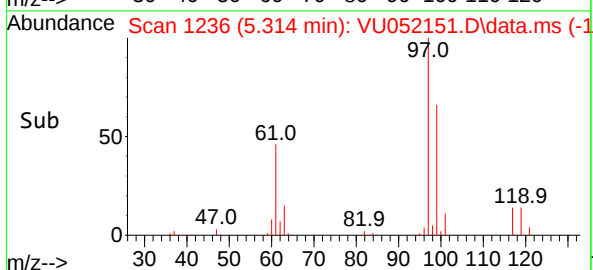
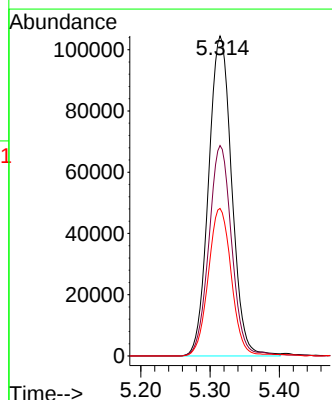
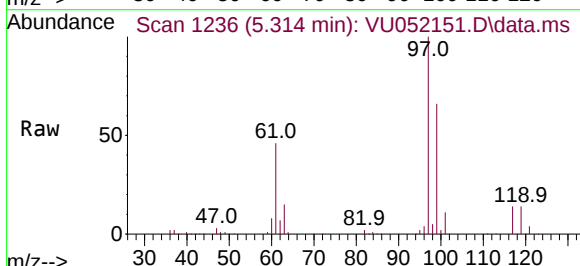
Tgt Ion: 97 Resp: 242703

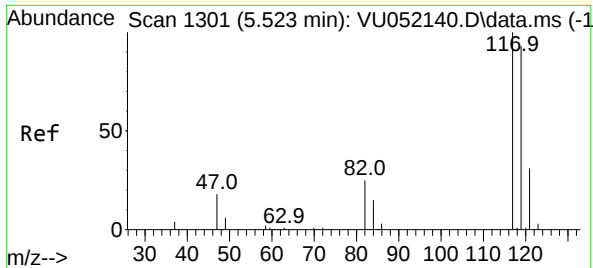
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 45.7 37.2 55.8

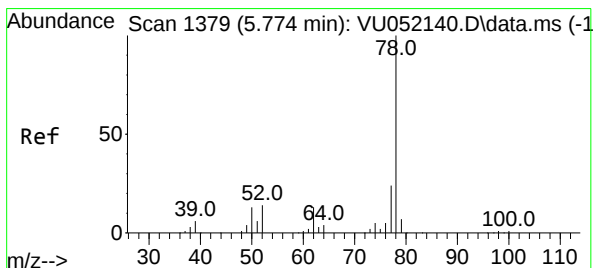
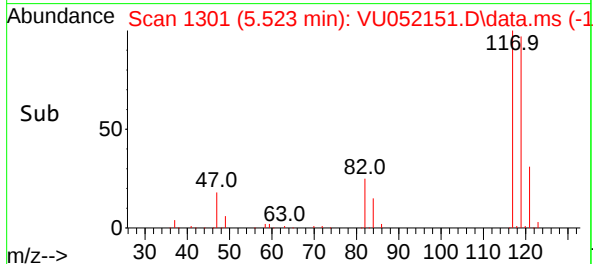
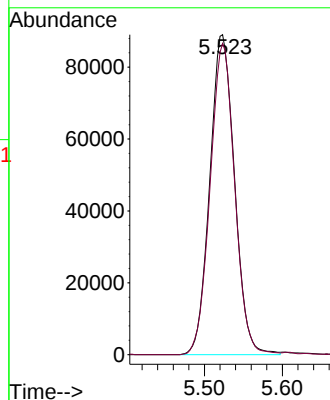
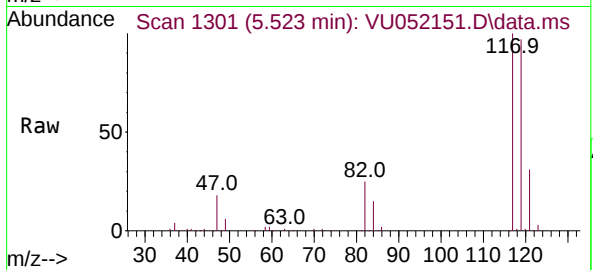




#31
Carbon tetrachloride
Concen: 51.802 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

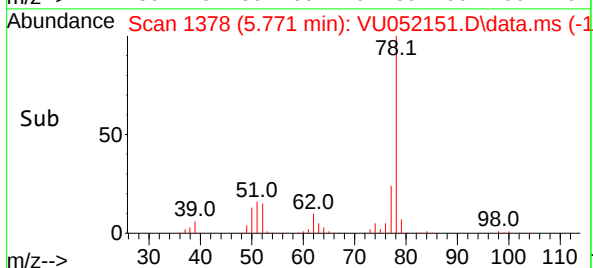
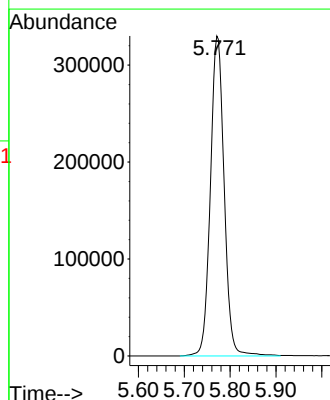
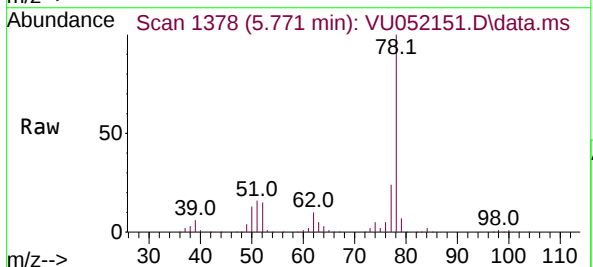
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

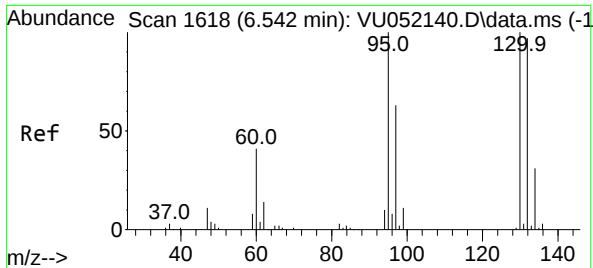
Tgt Ion:117 Resp: 196589
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.2



#33
Benzene
Concen: 50.904 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 78 Resp: 689293

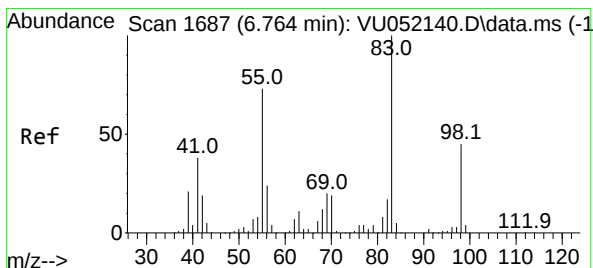
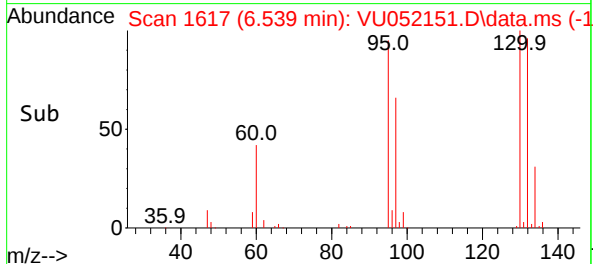
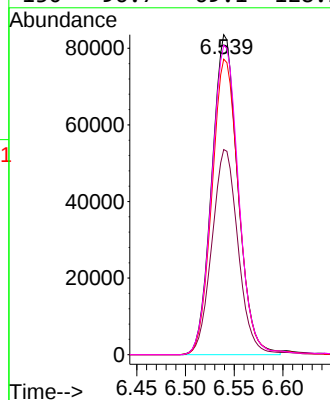
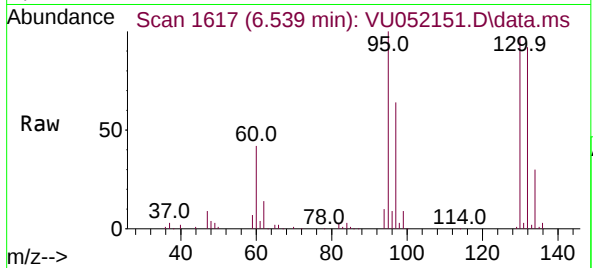




#34
Trichloroethene
Concen: 49.239 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

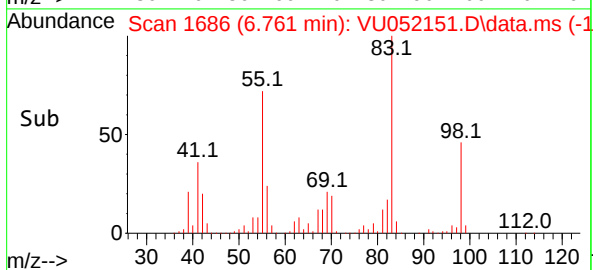
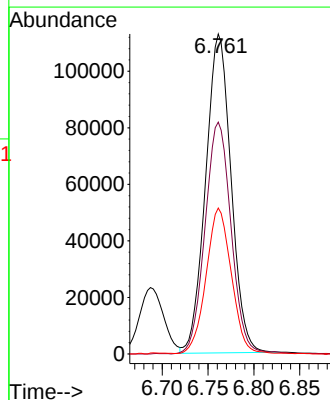
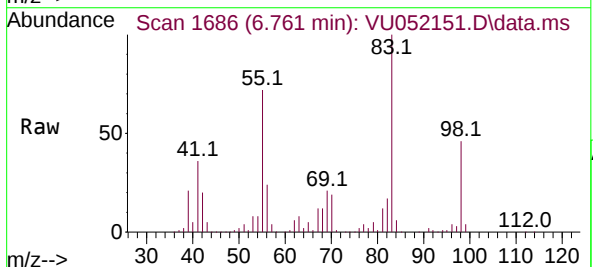
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

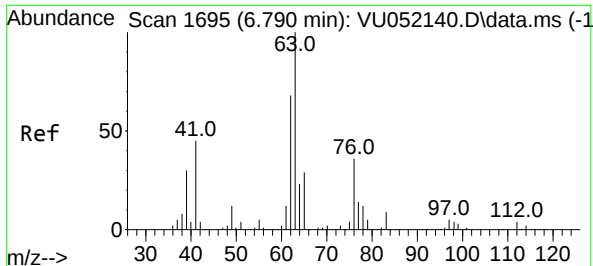
Tgt Ion: 95 Resp: 155569
Ion Ratio Lower Upper
95 100
97 64.1 45.3 84.1
132 92.3 66.8 124.2
130 96.7 69.1 128.3



#35
Methylcyclohexane
Concen: 50.266 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 83 Resp: 217660
Ion Ratio Lower Upper
83 100
55 74.5 59.0 88.6
98 45.0 36.0 54.0





#37

1,2-Dichloropropane

Concen: 51.569 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

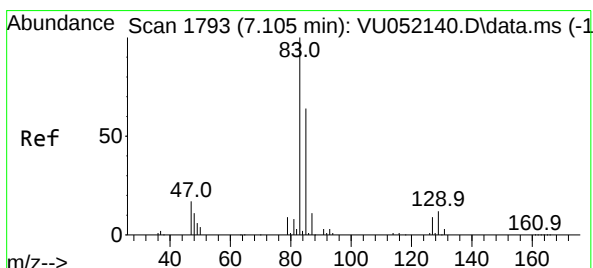
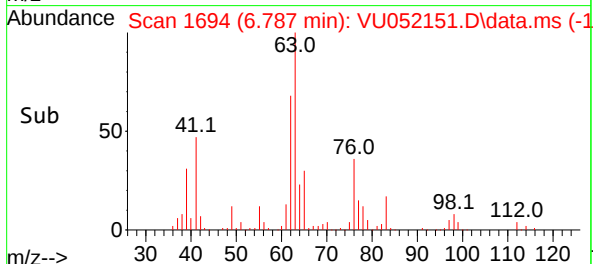
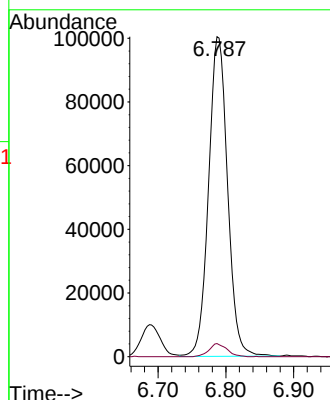
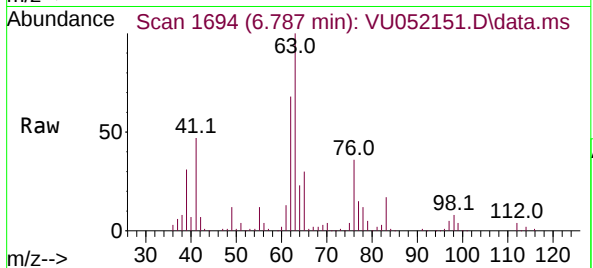
VSTD050137

Tgt Ion: 63 Resp: 195079

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 50.384 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

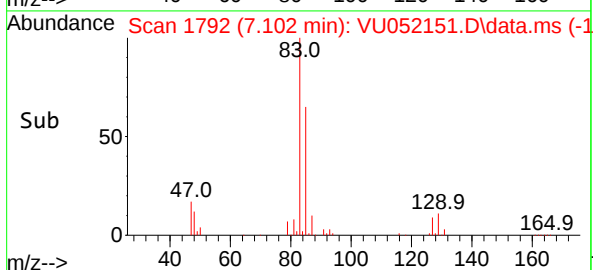
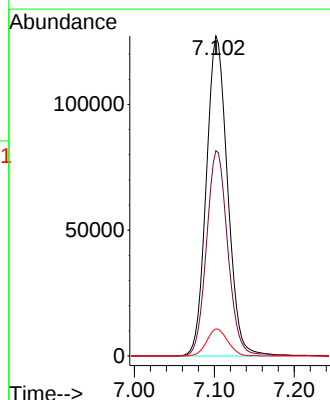
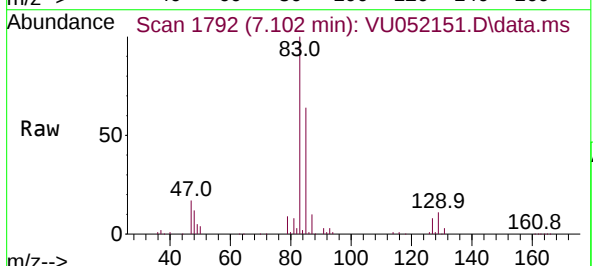
Tgt Ion: 83 Resp: 235324

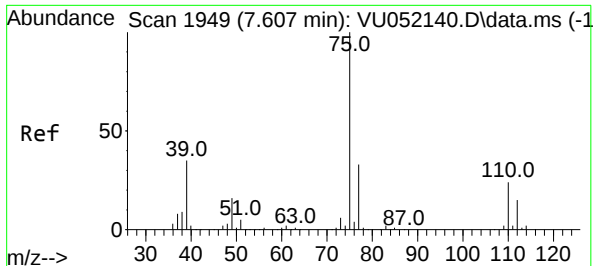
Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.789 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

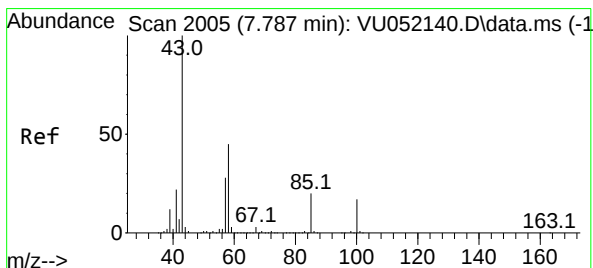
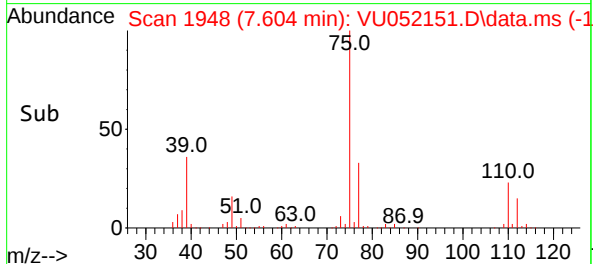
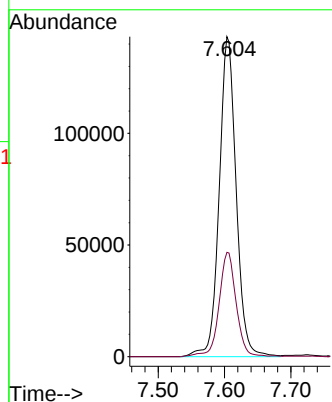
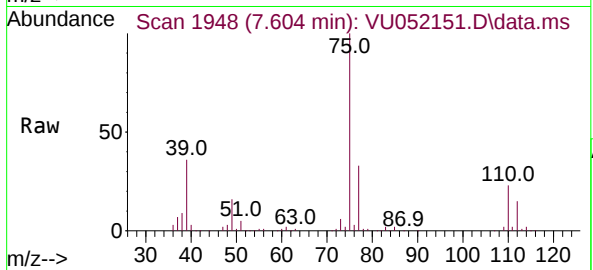
VSTD050137

Tgt Ion: 75 Resp: 254692

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 111.409 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

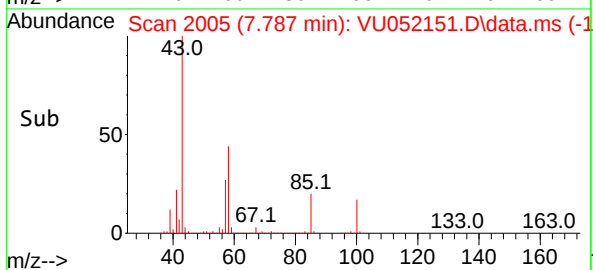
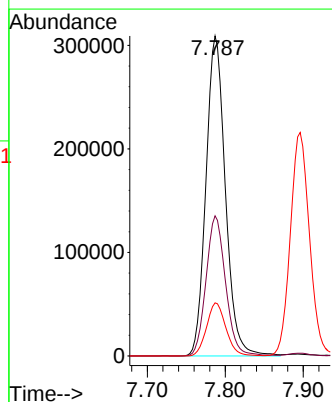
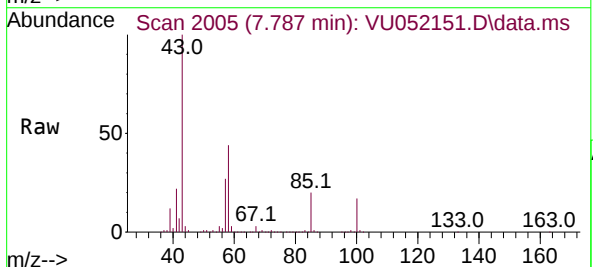
Tgt Ion: 43 Resp: 536034

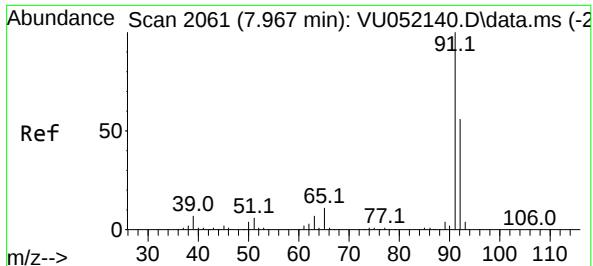
Ion Ratio Lower Upper

43 100

58 44.0 35.8 53.6

100 16.5 13.5 20.3





#42

Toluene

Concen: 51.772 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

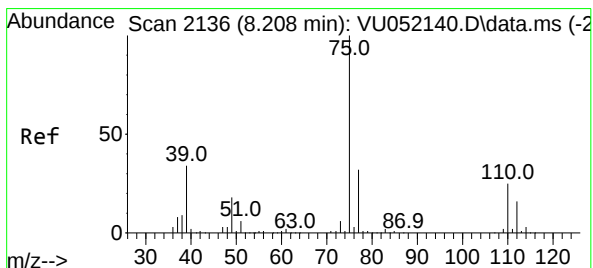
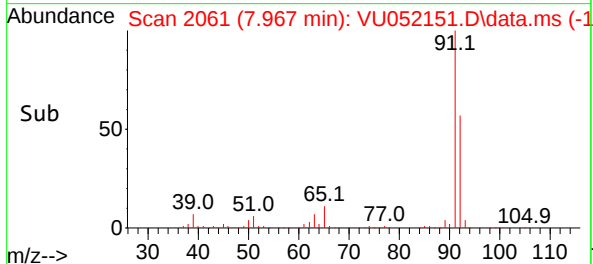
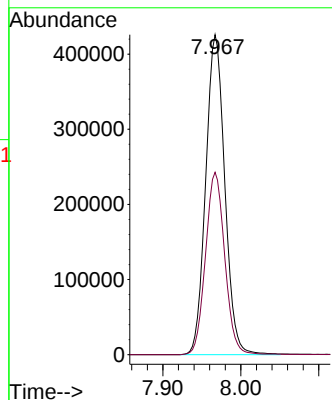
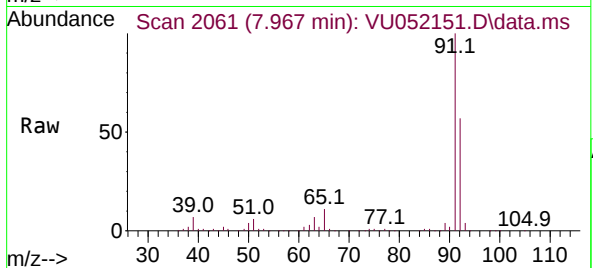
VSTD050137

Tgt Ion: 91 Resp: 724423

Ion Ratio Lower Upper

91 100

92 57.0 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 51.118 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052151.D

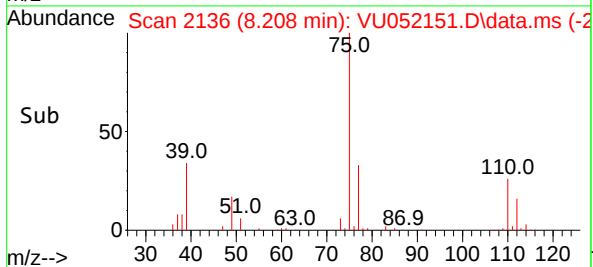
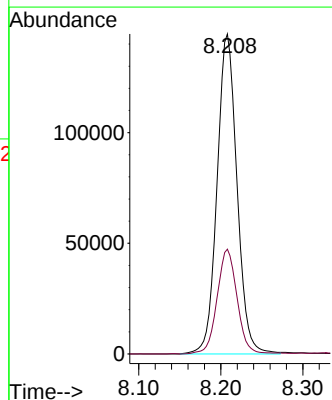
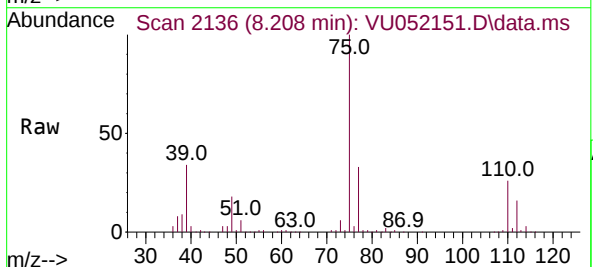
Acq: 28 Nov 2022 16:39

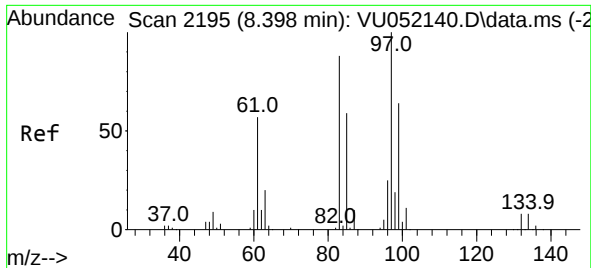
Tgt Ion: 75 Resp: 244583

Ion Ratio Lower Upper

75 100

77 32.8 22.7 42.1



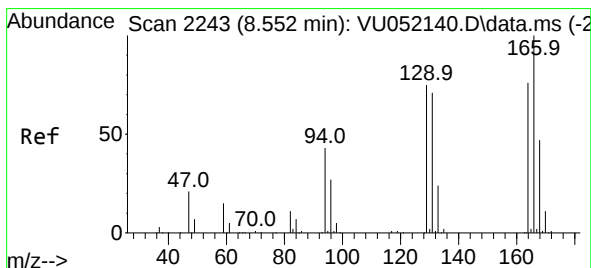
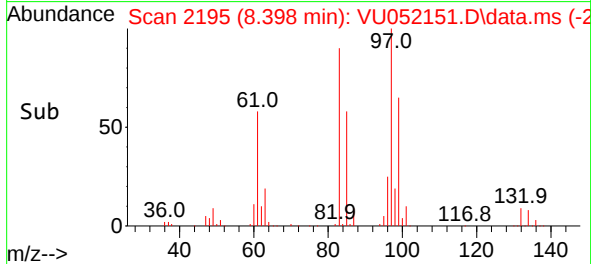
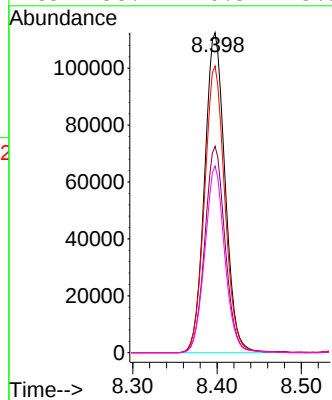
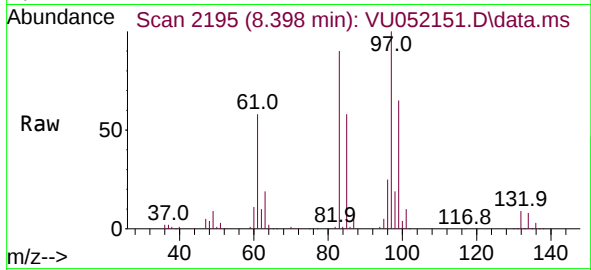


#45
1,1,2-Trichloroethane
Concen: 50.887 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

Tgt Ion: 97 Resp: 189766

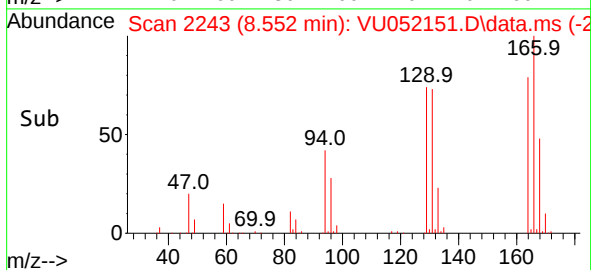
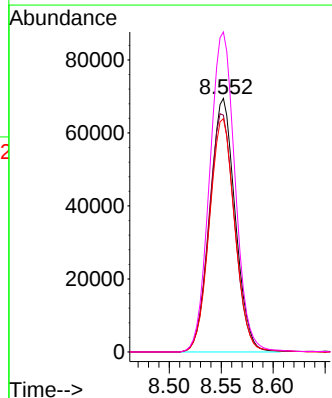
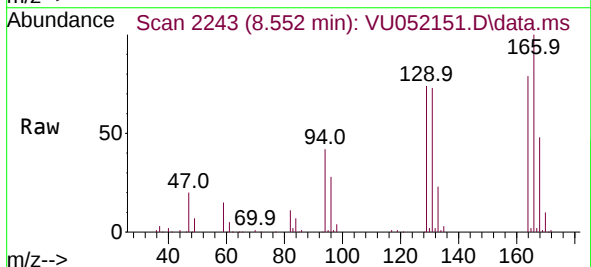
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.4	82.4
83	89.5	63.2	117.4
85	58.4	40.5	75.3

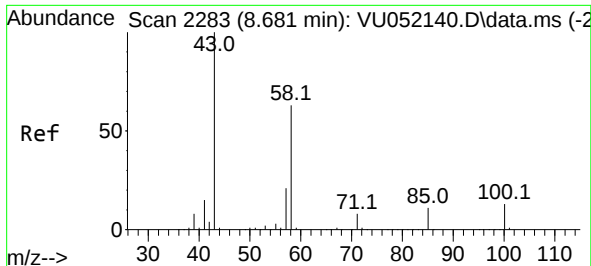


#46
Tetrachloroethene
Concen: 49.388 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 164 Resp: 117720

Ion	Ratio	Lower	Upper
164	100		
129	93.4	67.3	124.9
131	92.0	65.2	121.2
166	126.2	89.9	166.9

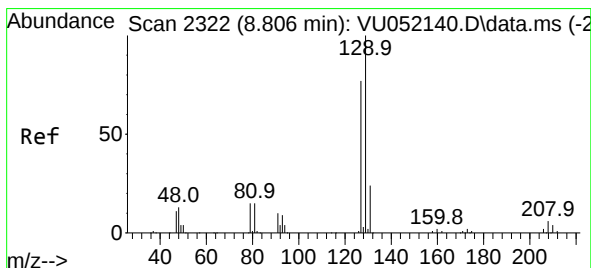
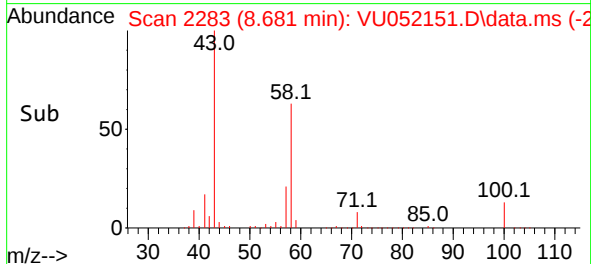
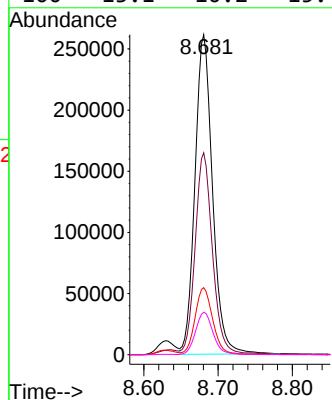
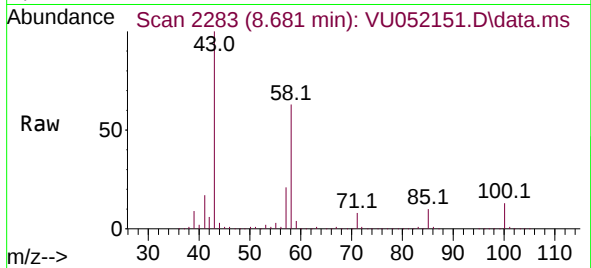




#48
2-Hexanone
Concen: 108.305 ug/L
RT: 8.681 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

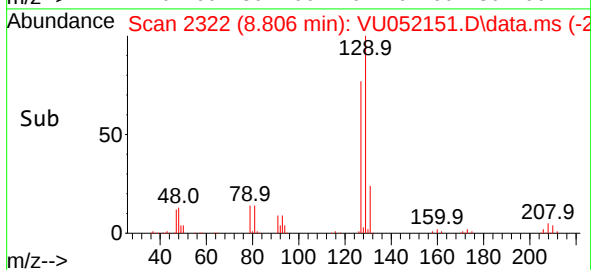
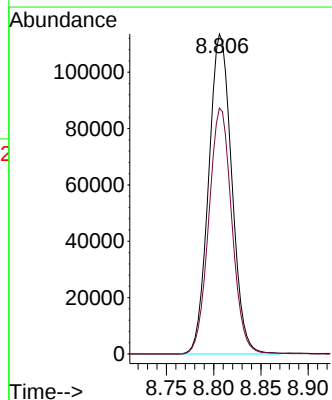
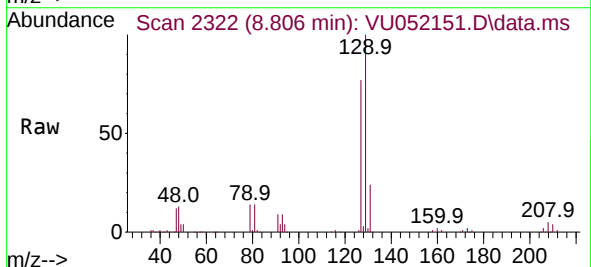
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

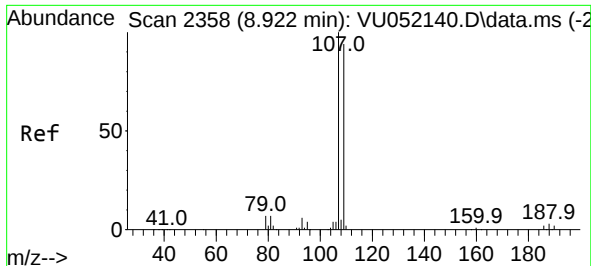
Tgt Ion:	43	Resp:	431227
Ion	Ratio	Lower	Upper
43	100		
58	61.0	49.6	74.4
57	21.0	16.8	25.2
100	13.1	10.2	15.4



#49
Dibromochloromethane
Concen: 51.033 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:	129	Resp:	193411
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.5	101.1

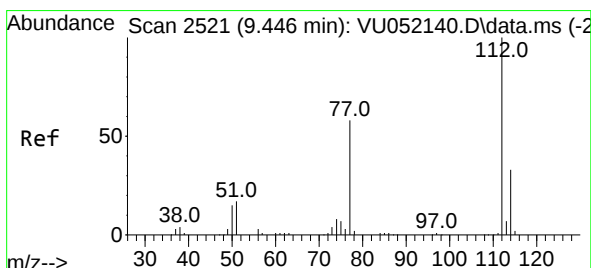
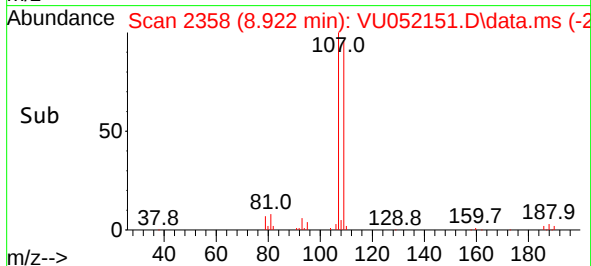
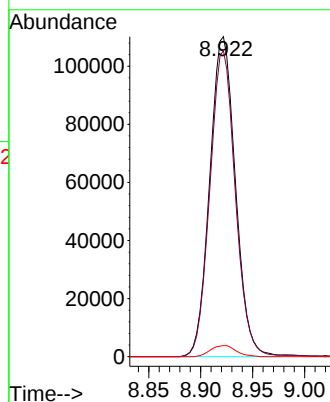
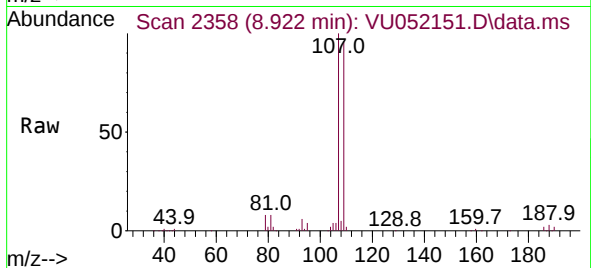




#50
1,2-Dibromoethane
Concen: 50.516 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

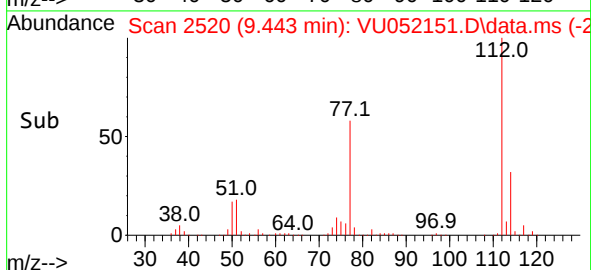
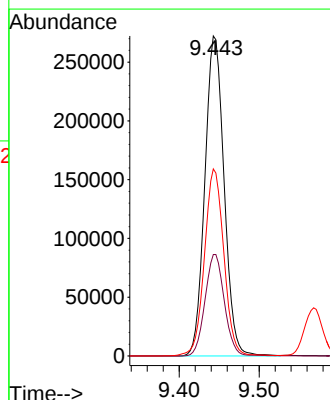
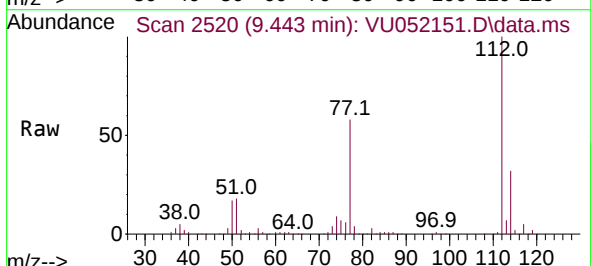
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

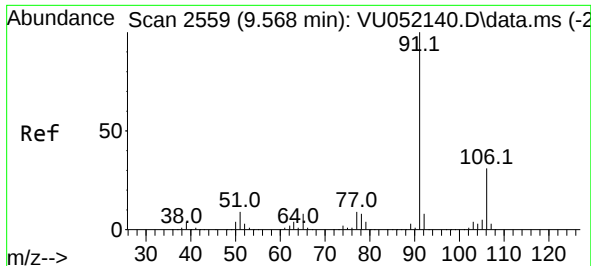
Tgt Ion:107 Resp: 189206
Ion Ratio Lower Upper
107 100
109 95.7 66.6 123.8
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 49.592 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:112 Resp: 456562
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 58.4 46.5 69.7

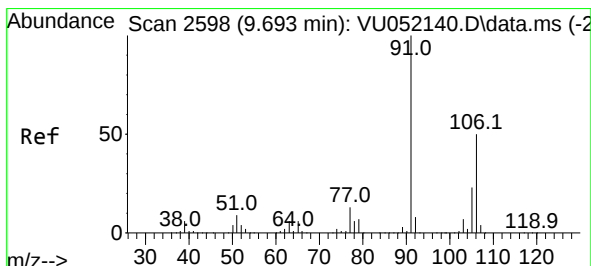
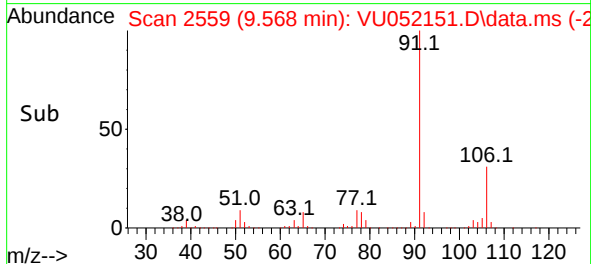
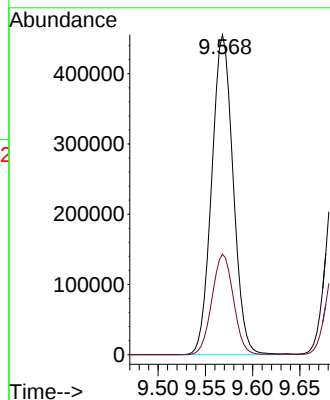
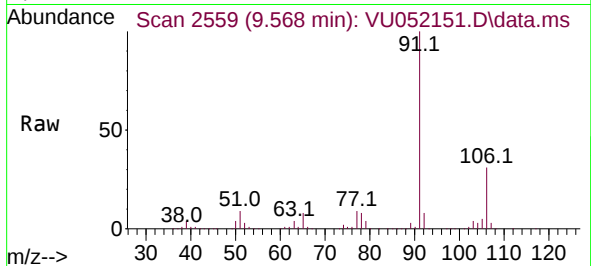




#52
Ethylbenzene
Concen: 50.341 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

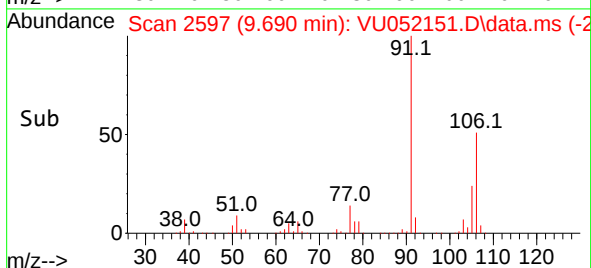
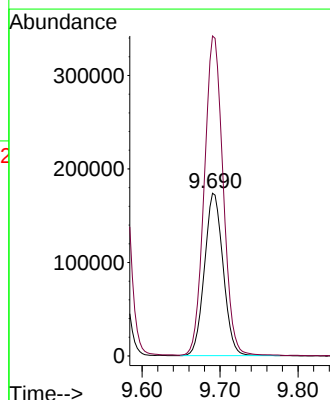
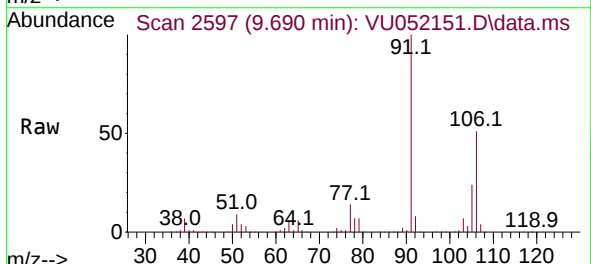
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

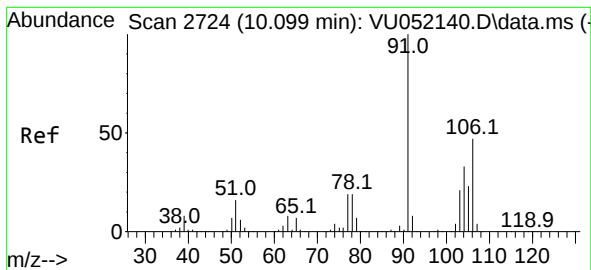
Tgt Ion: 91 Resp: 717219
Ion Ratio Lower Upper
91 100
106 31.4 21.2 39.4



#53
m,p-Xylene
Concen: 52.371 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 106 Resp: 288282
Ion Ratio Lower Upper
106 100
91 196.7 140.3 260.6





#54

o-Xylene

Concen: 52.092 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU052151.D

Acq: 28 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

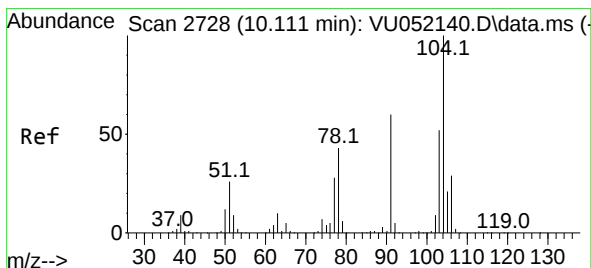
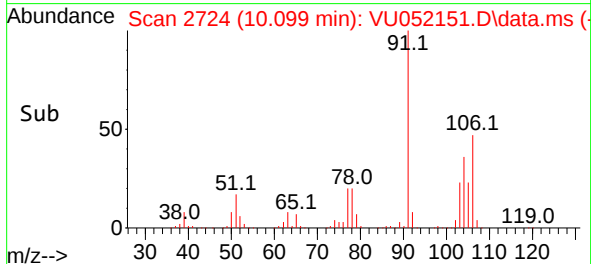
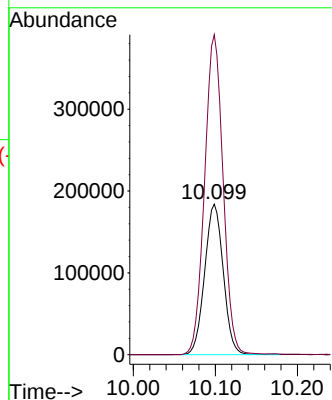
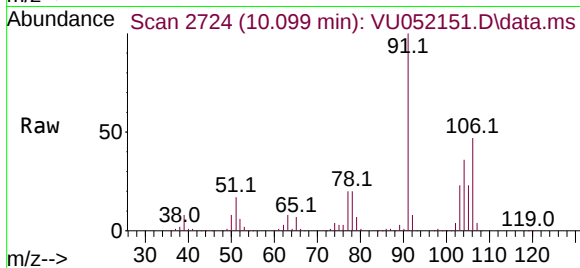
VSTD050137

Tgt Ion:106 Resp: 290132

Ion Ratio Lower Upper

106 100

91 212.6 146.7 272.4



#55

Styrene

Concen: 53.528 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052151.D

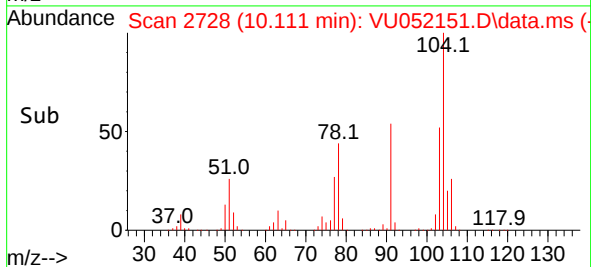
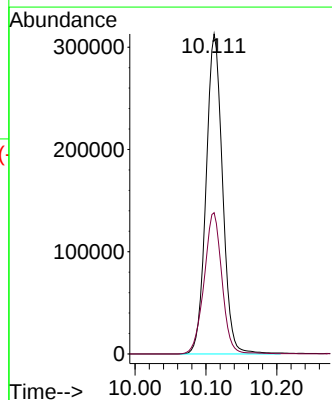
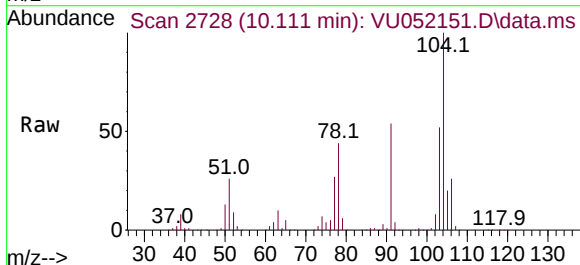
Acq: 28 Nov 2022 16:39

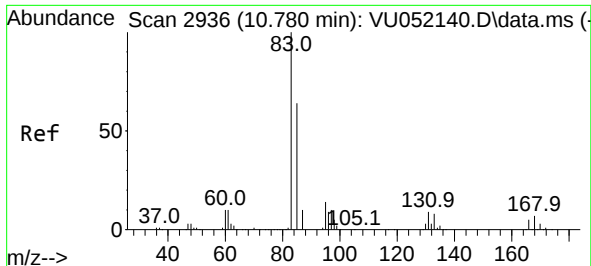
Tgt Ion:104 Resp: 505083

Ion Ratio Lower Upper

104 100

78 44.2 31.2 58.0

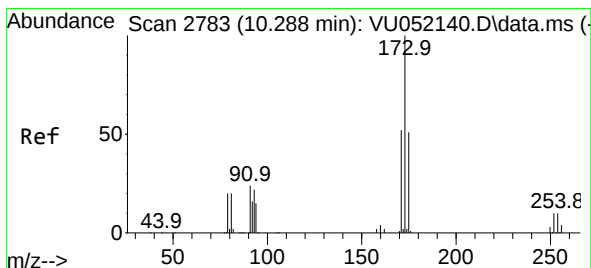
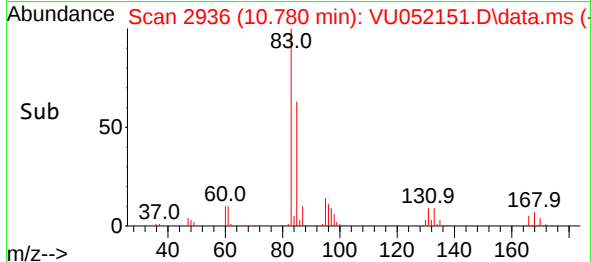
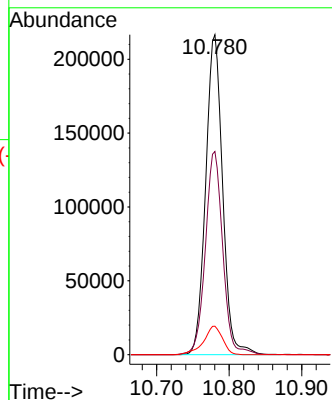
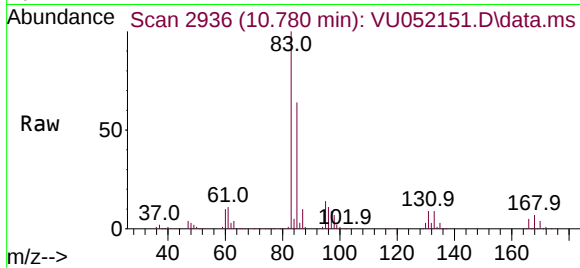




#57
1,1,2,2-Tetrachloroethane
Concen: 51.696 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

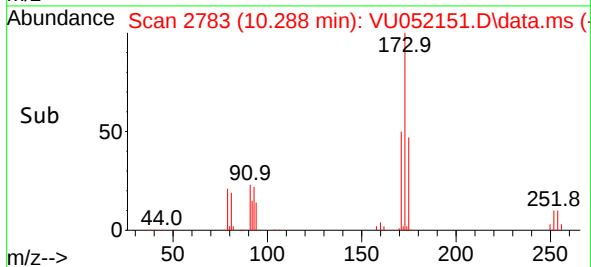
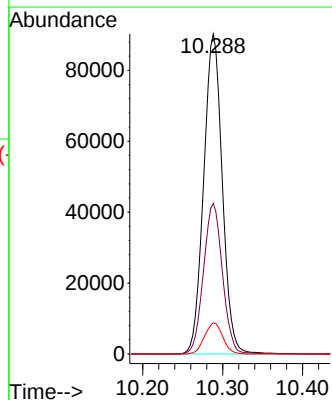
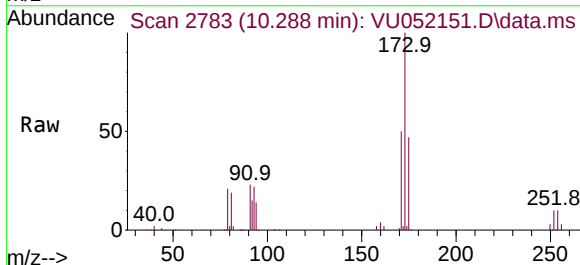
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

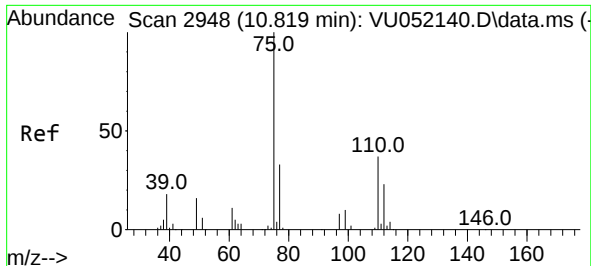
Tgt Ion: 83 Resp: 350810
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.2
131 8.9 7.3 10.9



#59
Bromoform
Concen: 47.998 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:173 Resp: 146395
Ion Ratio Lower Upper
173 100
175 47.8 39.8 59.6
254 9.5 7.5 11.3

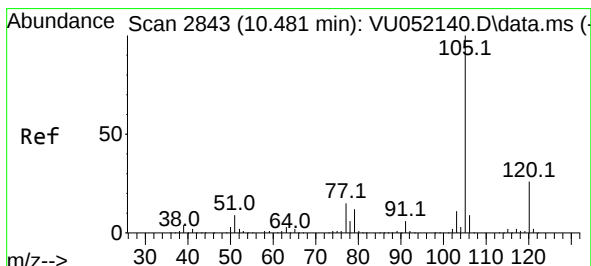
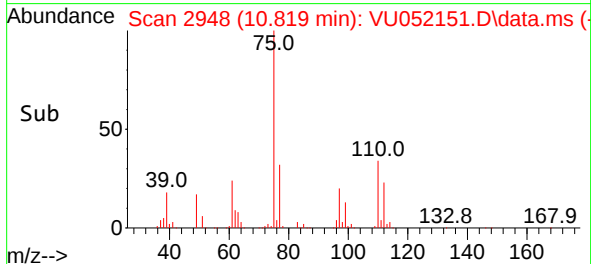
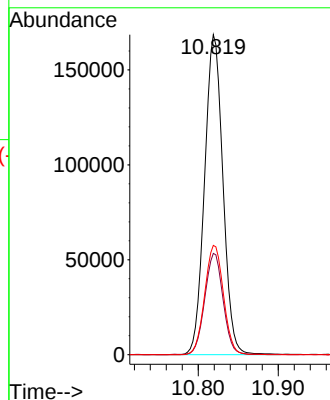
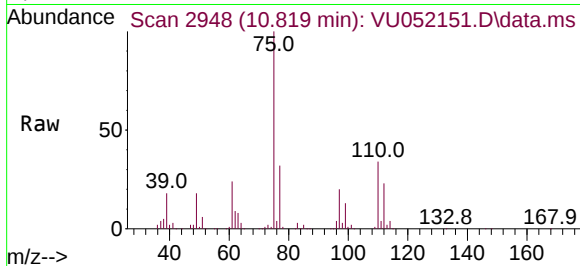




#60
1,2,3-Trichloropropane
Concen: 49.278 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

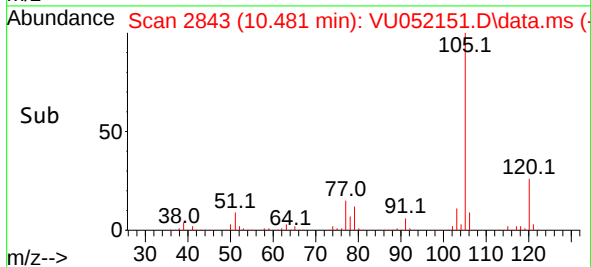
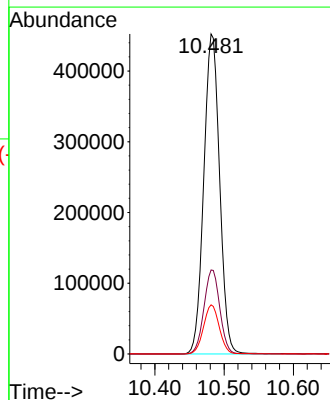
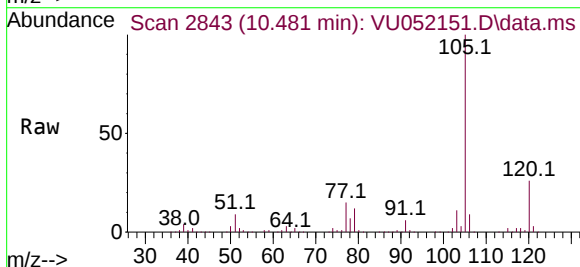
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

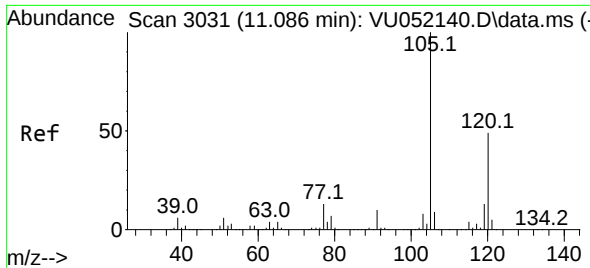
Tgt Ion: 75 Resp: 269470
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
110 34.8 29.0 43.4



#61
Isopropylbenzene
Concen: 49.801 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 105 Resp: 715643
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.3 12.4 18.6

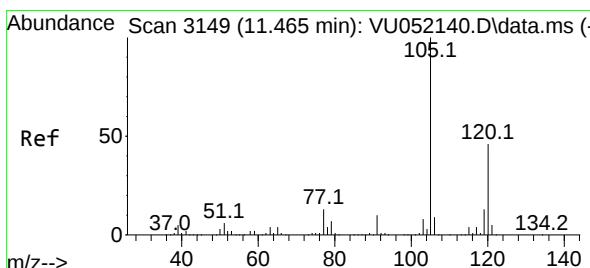
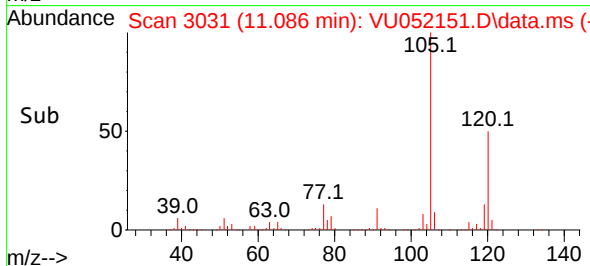
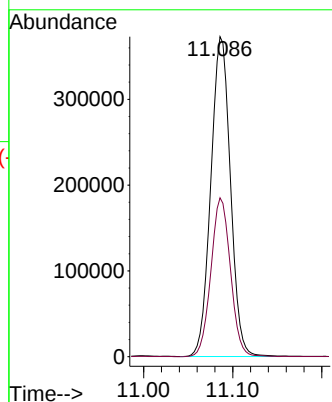
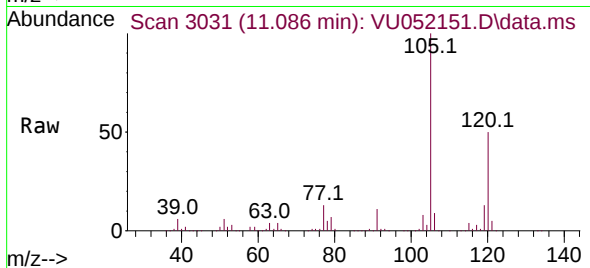




#62
 1,3,5-Trimethylbenzene
 Concen: 49.565 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

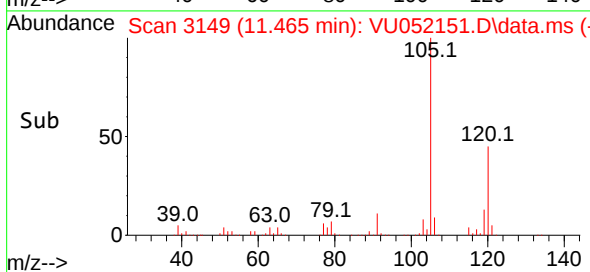
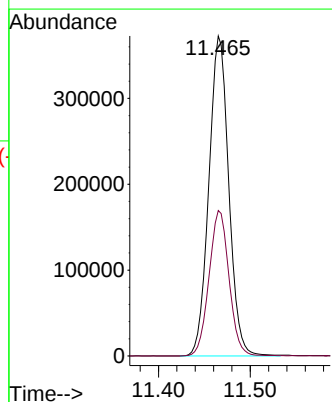
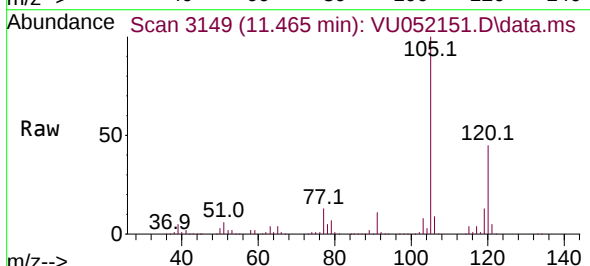
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050137

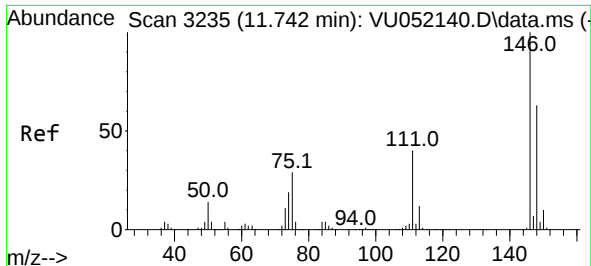
Tgt Ion:105 Resp: 569041
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 50.247 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU052151.D
 Acq: 28 Nov 2022 16:39

Tgt Ion:105 Resp: 562171
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.1 54.1

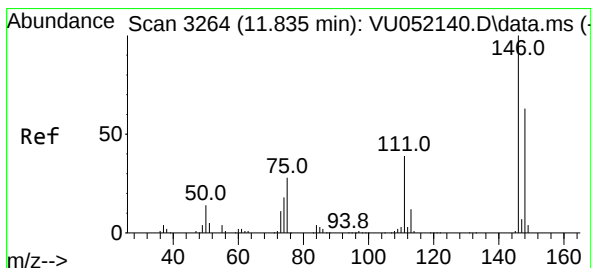
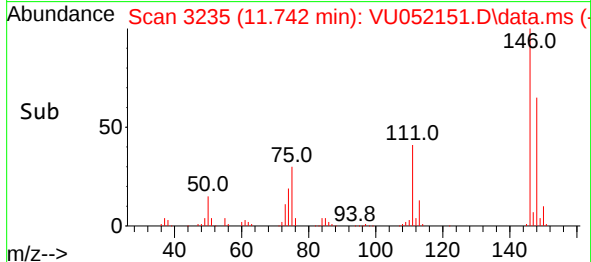
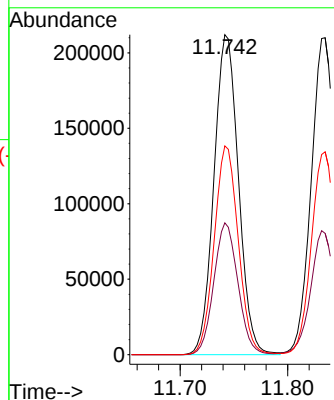
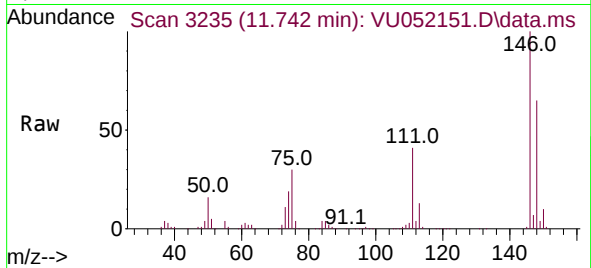




#64
1,3-Dichlorobenzene
Concen: 48.231 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

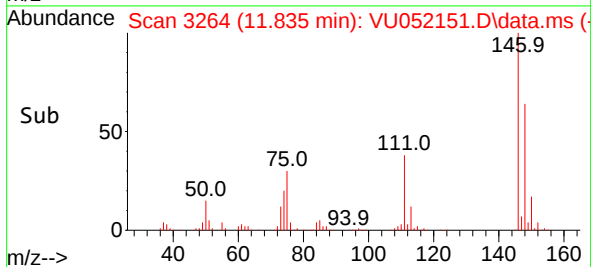
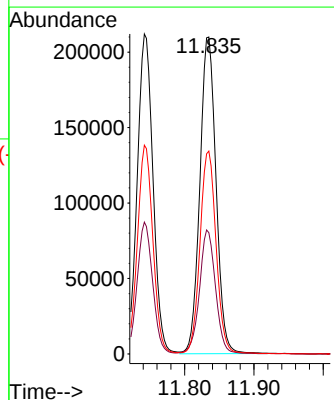
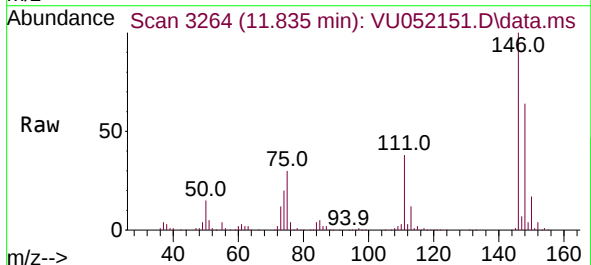
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

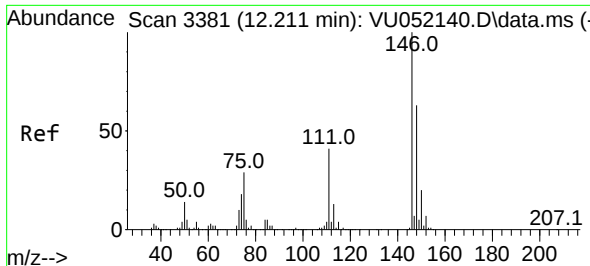
Tgt Ion:146 Resp: 335974
Ion Ratio Lower Upper
146 100
111 41.2 27.5 51.1
148 65.3 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 48.010 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:146 Resp: 340769
Ion Ratio Lower Upper
146 100
111 38.3 27.6 51.2
148 64.0 44.8 83.2

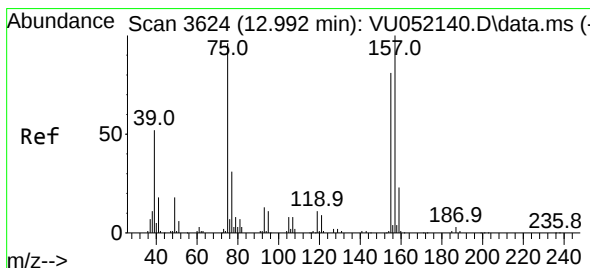
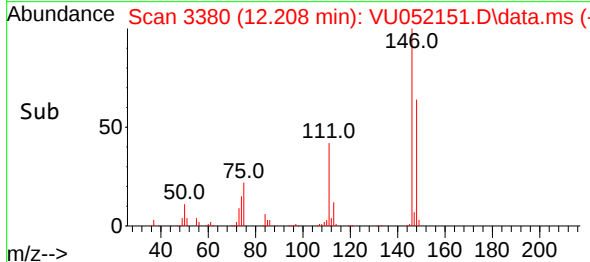
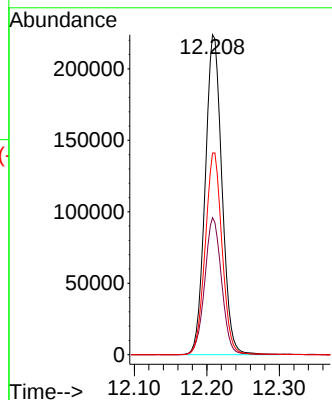
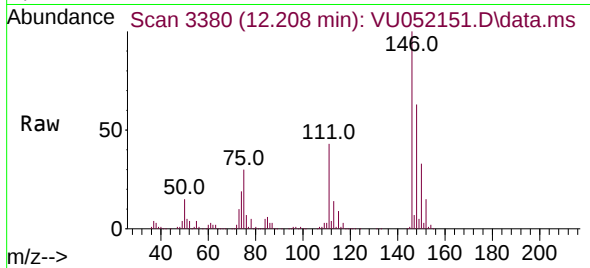




#67
1,2-Dichlorobenzene
Concen: 49.231 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

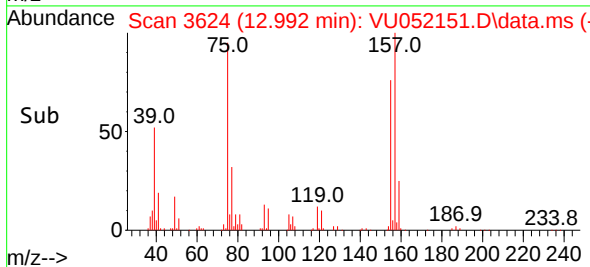
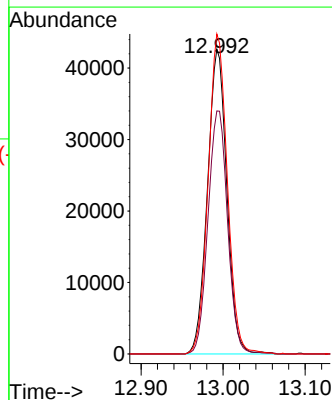
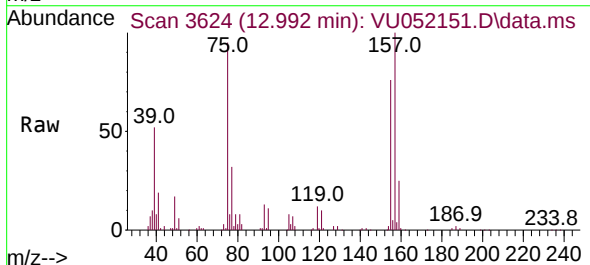
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

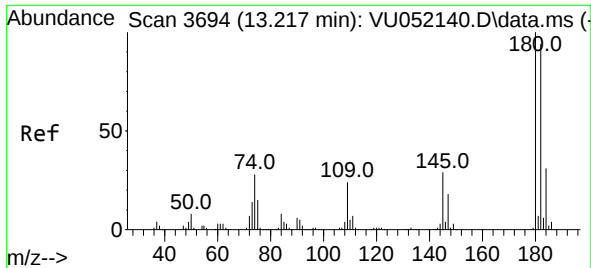
Tgt Ion:146 Resp: 359320
Ion Ratio Lower Upper
146 100
111 42.8 34.2 51.4
148 63.0 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 52.062 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion: 75 Resp: 70141
Ion Ratio Lower Upper
75 100
155 79.7 66.3 99.5
157 105.0 82.8 124.2

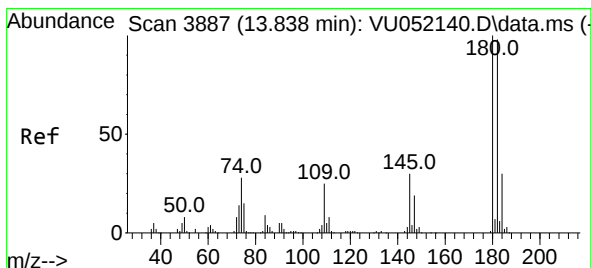
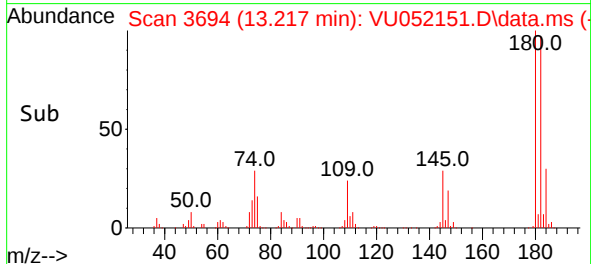
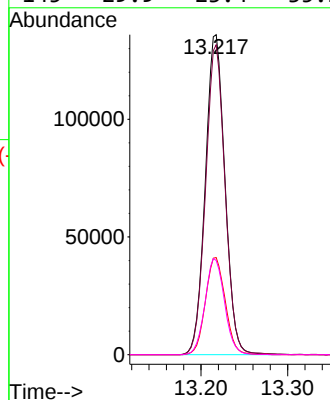
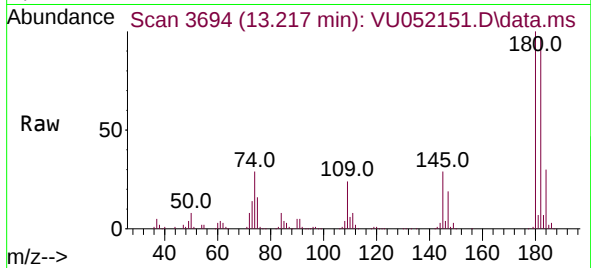




#69
1,3,5-Trichlorobenzene
Concen: 45.959 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

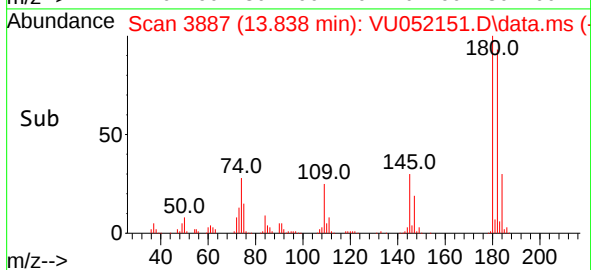
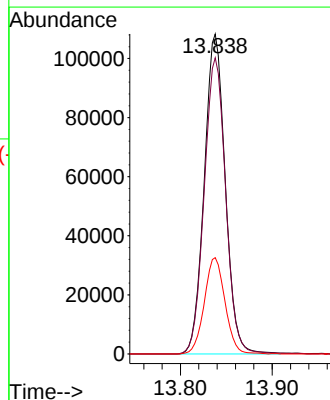
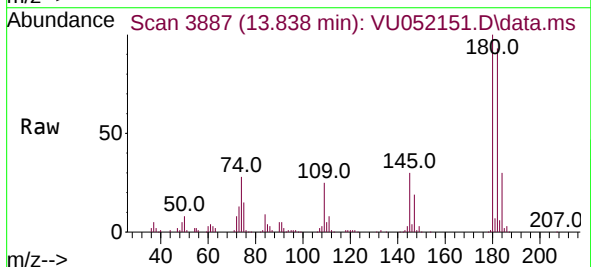
Instrument :
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ClientSampleId :
VSTD050137

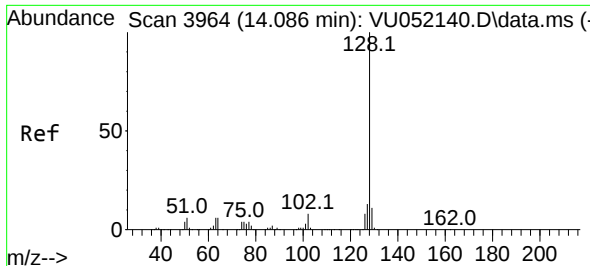
Tgt Ion:180 Resp: 213734
Ion Ratio Lower Upper
180 100
182 96.2 77.2 115.8
184 30.6 24.6 36.8
145 29.9 23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 46.172 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:180 Resp: 172484
Ion Ratio Lower Upper
180 100
182 94.3 75.4 113.2
145 29.6 23.4 35.0

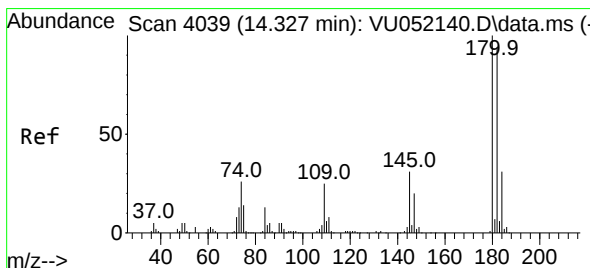
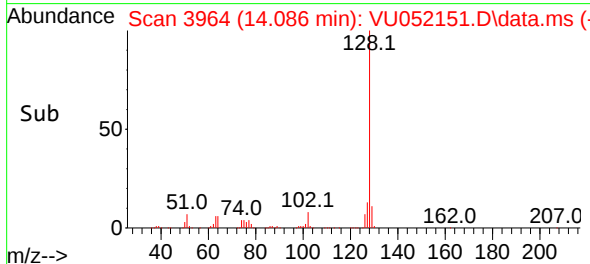
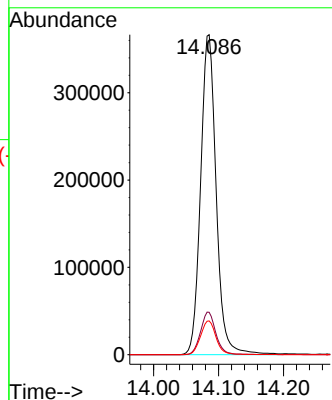
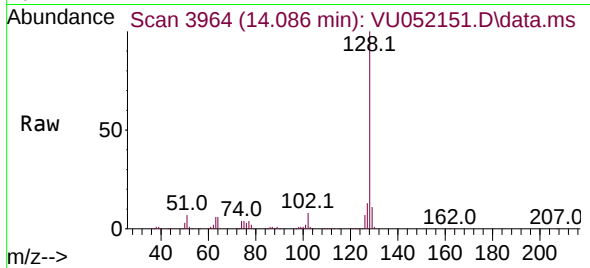




#71
Naphthalene
Concen: 50.296 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

Tgt Ion:128 Resp: 611708
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.6 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.198 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052151.D
Acq: 28 Nov 2022 16:39

Tgt Ion:180 Resp: 199114
Ion Ratio Lower Upper
180 100
182 93.7 76.1 114.1
145 31.9 25.8 38.6

