

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050832.D
 Acq On : 20 Sep 2022 14:38
 Operator : JC/MD
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050033

Quant Time: Sep 21 02:10:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	461283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	449141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	219539	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	238524	57.386	ug/L	0.00
7) Chloroethane-d5	1.899	69	174777	62.225	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	366331	51.500	ug/L	0.00
21) 2-Butanone-d5	4.616	46	312565	106.713	ug/L	0.00
24) Chloroform-d	5.060	84	376846	50.127	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	232488	50.432	ug/L	0.00
32) Benzene-d6	5.726	84	761957	50.986	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	250159	51.193	ug/L	0.00
41) Toluene-d8	7.896	98	678364	52.917	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	110474	53.778	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	219704	155.040	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	382346	51.354	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	225765	44.225	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	233167	51.633	ug/L	100
3) Chloromethane	1.523	50	269866	54.327	ug/L	100
5) Vinyl chloride	1.600	62	263345	55.753	ug/L	100
6) Bromomethane	1.838	94	143060	59.136	ug/L	100
8) Chloroethane	1.922	64	150856	59.832	ug/L	100
9) Trichlorofluoromethane	2.131	101	289049	51.528	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	181644	49.654	ug/L	100
12) 1,1-Dichloroethene	2.575	96	172798	48.902	ug/L	100
13) Acetone	2.620	43	248008	111.073	ug/L	100
14) Carbon disulfide	2.787	76	542326	50.948	ug/L	100
15) Methyl Acetate	2.944	43	243546	52.124	ug/L	100
16) Methylene chloride	3.041	84	221837	47.829	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	179200	48.171	ug/L	100
18) Methyl tert-butyl Ether	3.362	73	551338	47.955	ug/L	100
19) 1,1-Dichloroethane	3.867	63	362831	50.223	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	202464	48.239	ug/L	100
22) 2-Butanone	4.697	43	363687	105.873	ug/L	100
23) Bromochloromethane	4.970	128	103283	47.698	ug/L	100
25) Chloroform	5.086	83	361327	49.357	ug/L	100
27) 1,2-Dichloroethane	5.793	62	278485	51.076	ug/L	100
29) Cyclohexane	5.388	56	315644	51.902	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	294403	48.678	ug/L	100
31) Carbon tetrachloride	5.523	117	244880	49.219	ug/L	100
33) Benzene	5.771	78	843780	51.304	ug/L	100
34) Trichloroethene	6.539	95	189355	49.709	ug/L	100
35) Methylcyclohexane	6.761	83	315237	51.552	ug/L	100
37) 1,2-Dichloropropane	6.790	63	225677	51.848	ug/L	100
38) Bromodichloromethane	7.105	83	264547	51.784	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	306852	52.202	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	663180	110.657	ug/L	100
42) Toluene	7.967	91	860918	51.495	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	299073	53.524	ug/L	100

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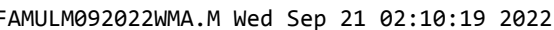
Instrument :
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 VSTD050033

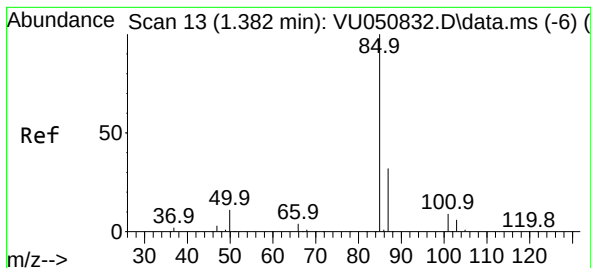
Quant Time: Sep 21 02:10:11 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	208169	49.987	ug/L	100
46) Tetrachloroethene	8.552	164	136797	49.181	ug/L	100
48) 2-Hexanone	8.681	43	554678	100.888	ug/L	100
49) Dibromochloromethane	8.809	129	204422	51.166	ug/L	100
50) 1,2-Dibromoethane	8.922	107	218245	51.446	ug/L	100
51) Chlorobenzene	9.446	112	497795	48.407	ug/L	100
52) Ethylbenzene	9.568	91	841436	51.272	ug/L	100
53) m,p-Xylene	9.690	106	325942	51.458	ug/L	100
54) o-Xylene	10.098	106	318675	50.963	ug/L	100
55) Styrene	10.111	104	562919	54.100	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	382835	50.975	ug/L	100
59) Bromoform	10.288	173	152312	46.230	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	296132	45.893	ug/L	100
61) Isopropylbenzene	10.484	105	809118	46.780	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	676210	45.929	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	678529	47.689	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	358025	46.833	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	352137	46.607	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	368250	45.345	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	82573	47.612	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	234825	42.916	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	195001	41.725	ug/L	100
71) Naphthalene	14.085	128	770589	45.490	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	221157	43.543	ug/L	100

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

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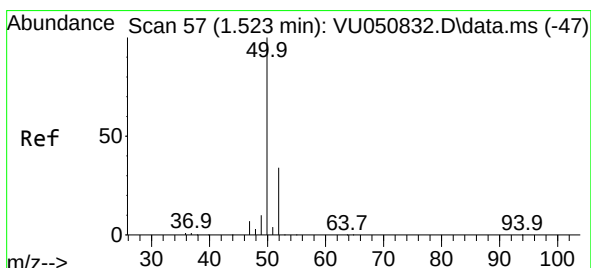
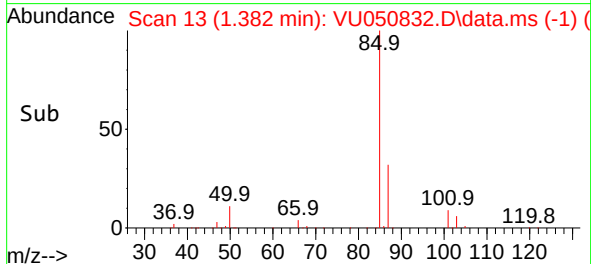
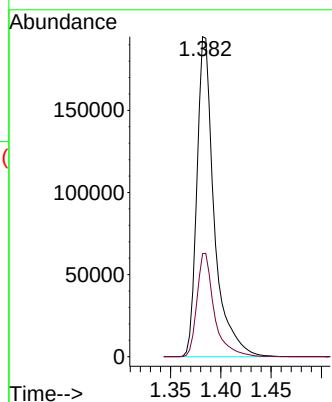
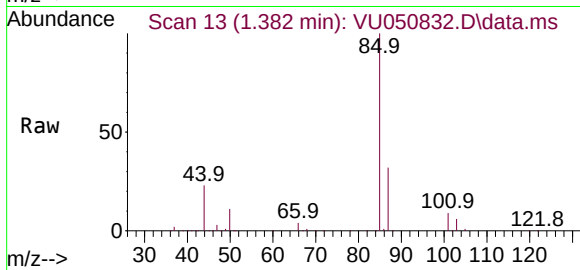




#2
Dichlorodifluoromethane
Concen: 51.633 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050832.D
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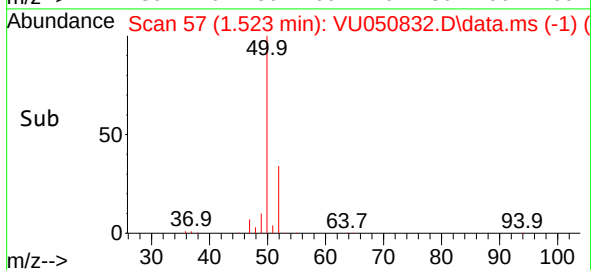
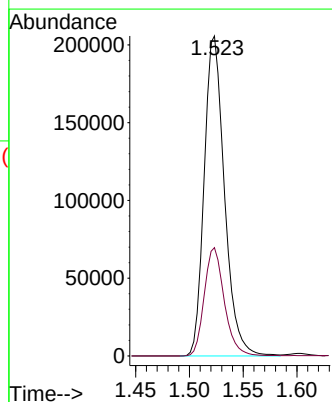
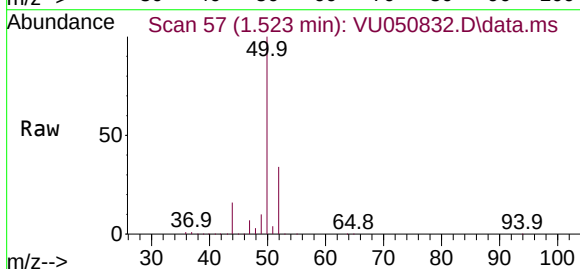
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

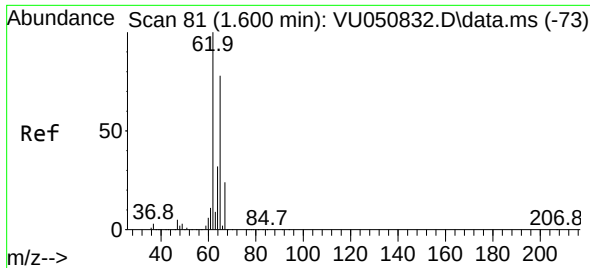
Tgt Ion: 85 Resp: 233167
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 54.327 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 50 Resp: 269866
Ion Ratio Lower Upper
50 100
52 33.8 23.7 43.9

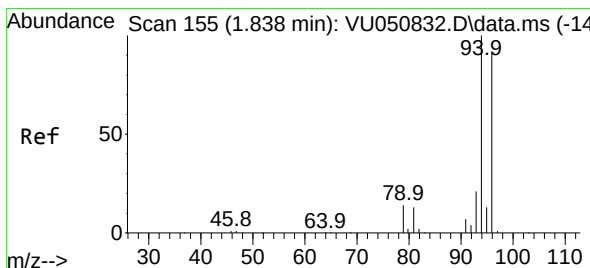
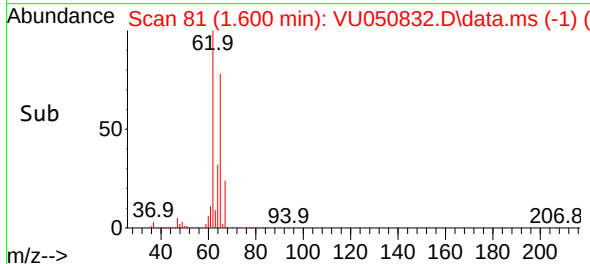
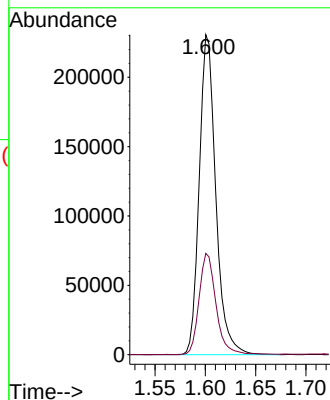
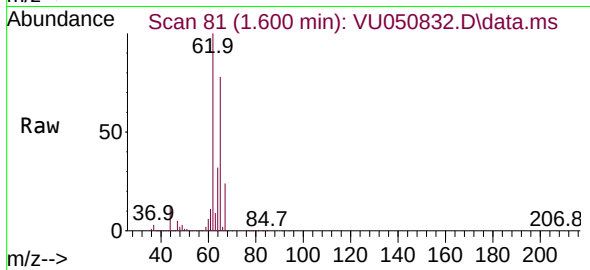




#5
 Vinyl chloride
 Concen: 55.753 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

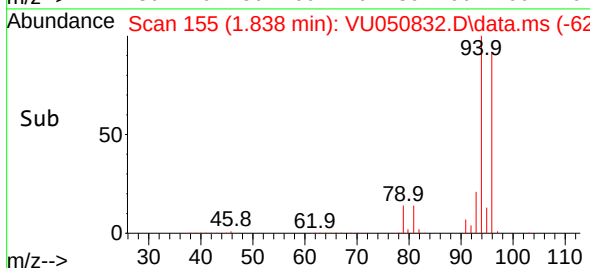
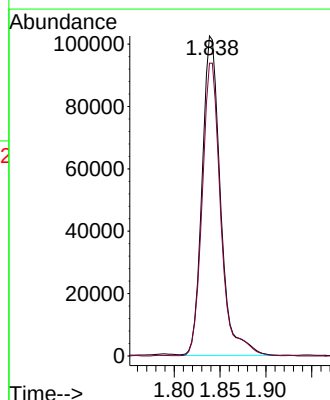
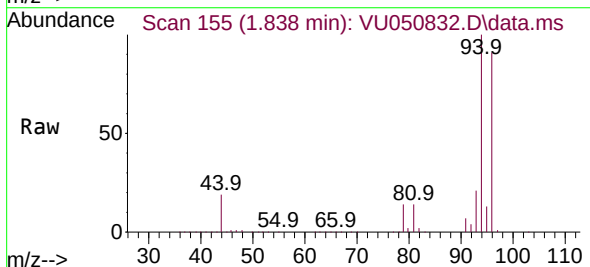
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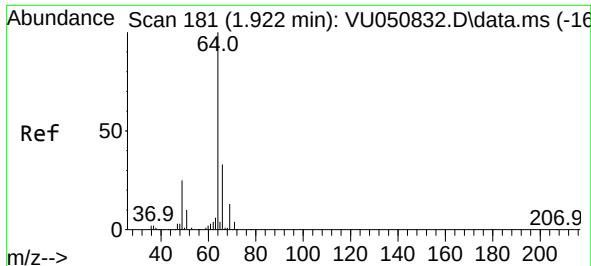
Tgt Ion: 62 Resp: 263345
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.2 41.2



#6
 Bromomethane
 Concen: 59.136 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

Tgt Ion: 94 Resp: 143060
 Ion Ratio Lower Upper
 94 100
 96 91.5 64.0 119.0

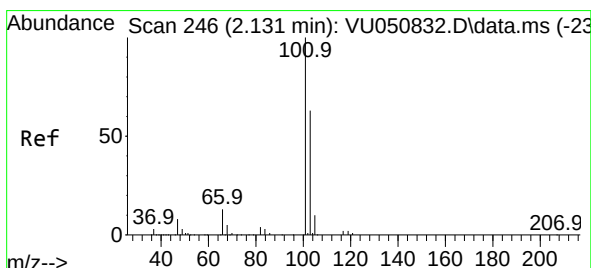
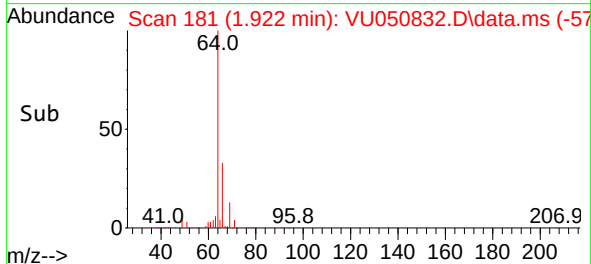
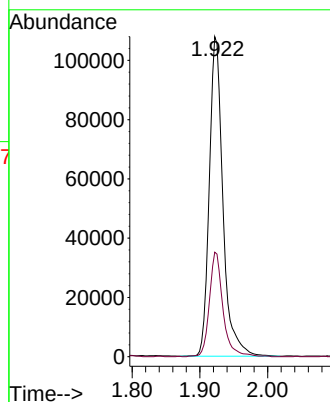
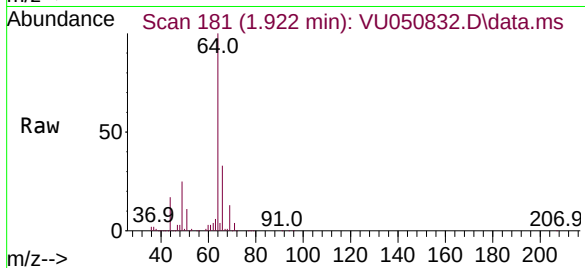




#8
Chloroethane
Concen: 59.832 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

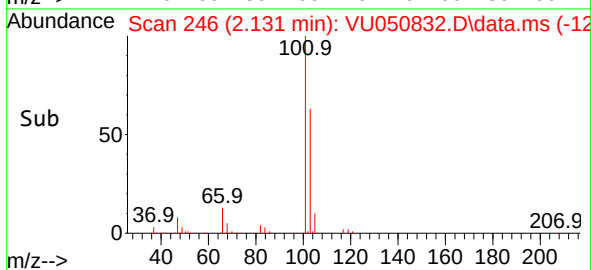
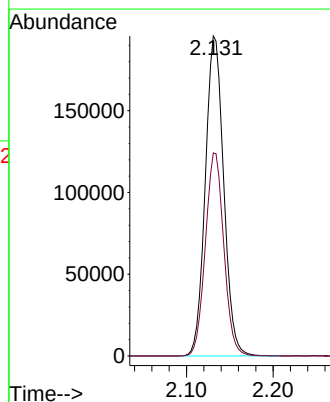
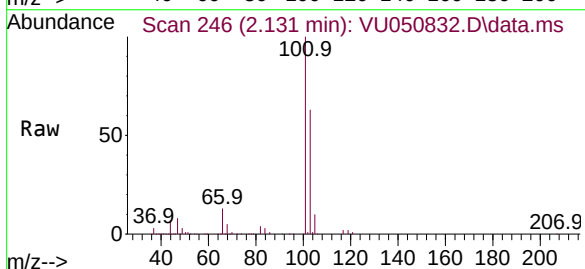
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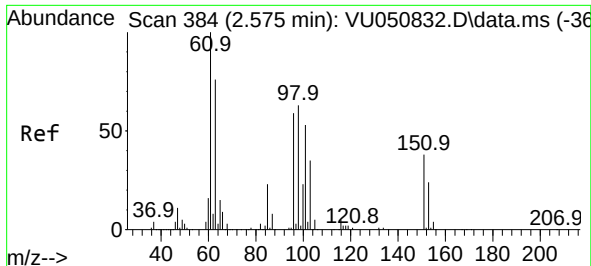
Tgt Ion: 64 Resp: 150856
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.528 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:101 Resp: 289049
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

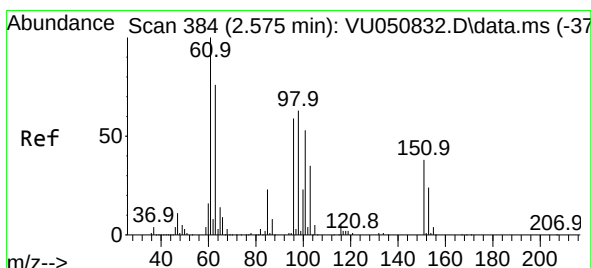
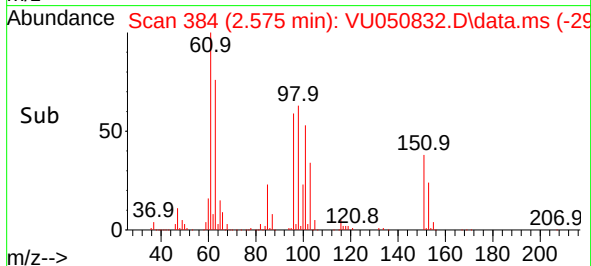
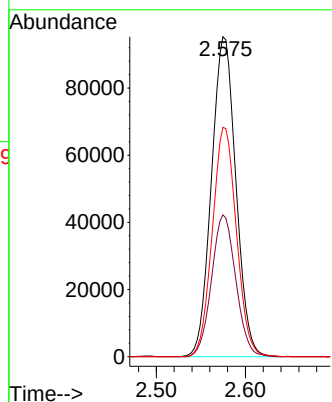
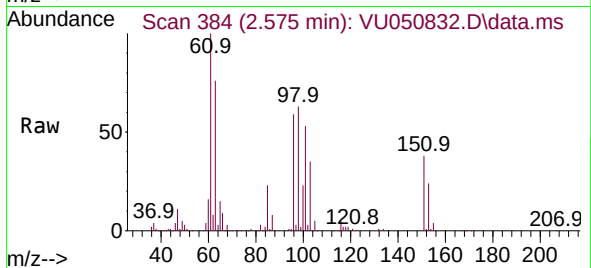




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.654 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

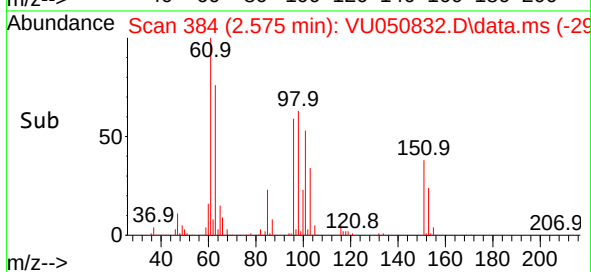
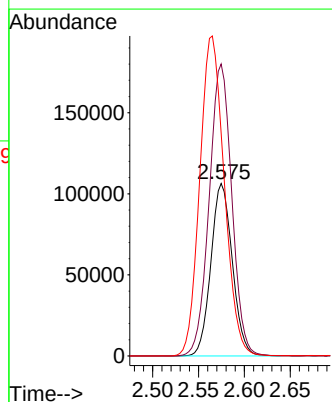
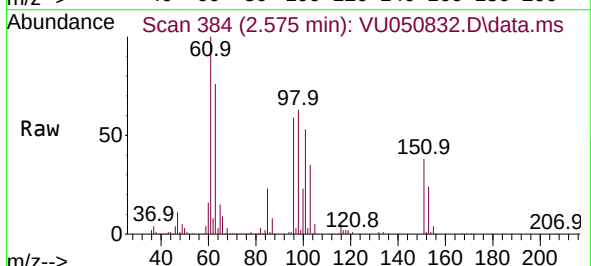
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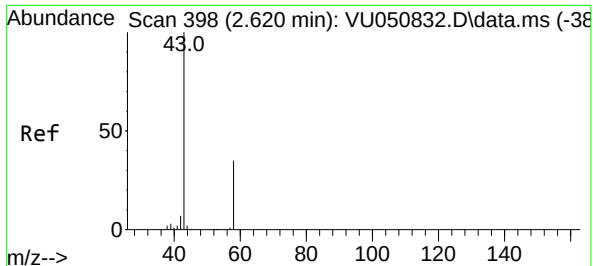
Tgt Ion: 101 Resp: 181644
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 70.7 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 48.902 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

Tgt Ion: 96 Resp: 172798
 Ion Ratio Lower Upper
 96 100
 61 169.4 118.6 220.2
 63 129.2 90.4 168.0





#13

Acetone

Concen: 111.073 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

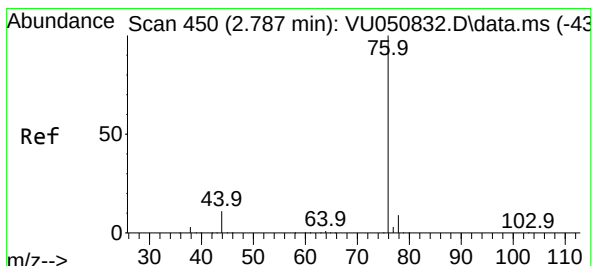
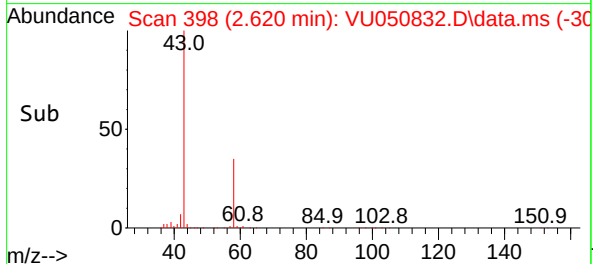
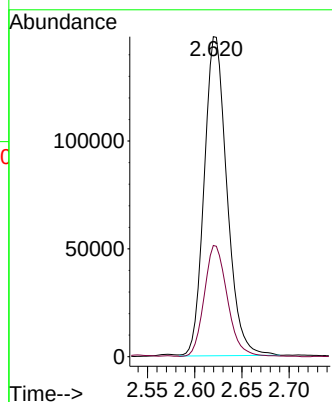
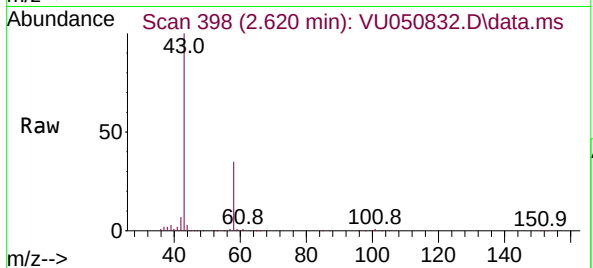
VSTD050033

Tgt Ion: 43 Resp: 248008

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.4



#14

Carbon disulfide

Concen: 50.948 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050832.D

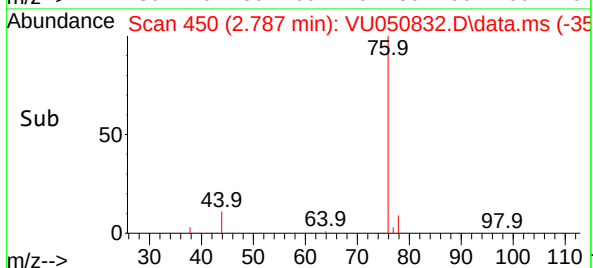
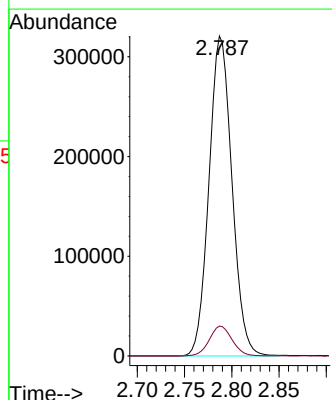
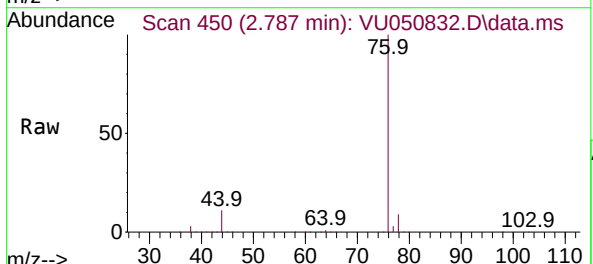
Acq: 20 Sep 2022 14:38

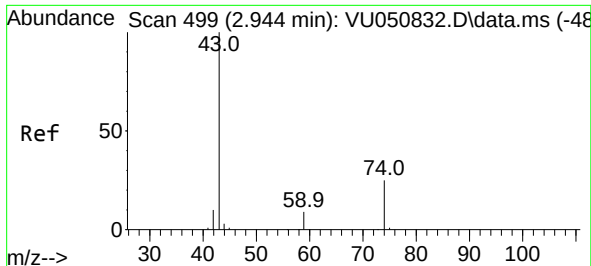
Tgt Ion: 76 Resp: 542326

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

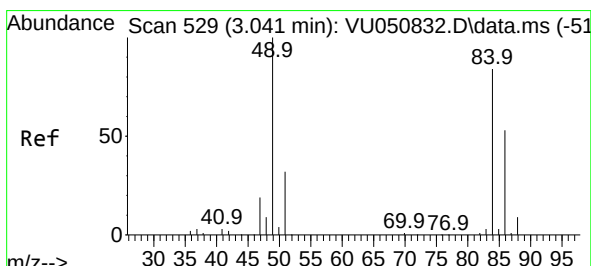
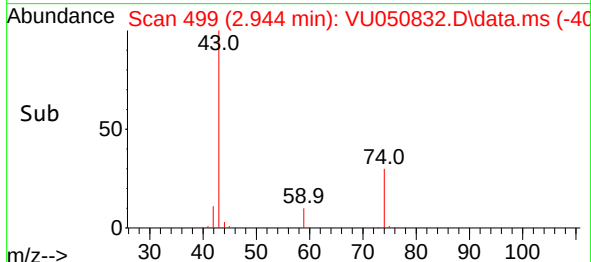
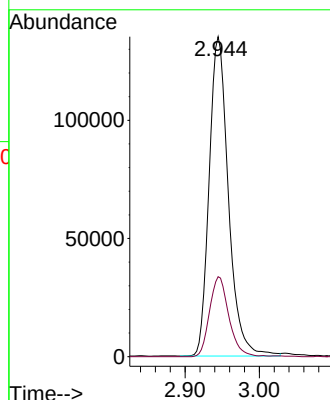
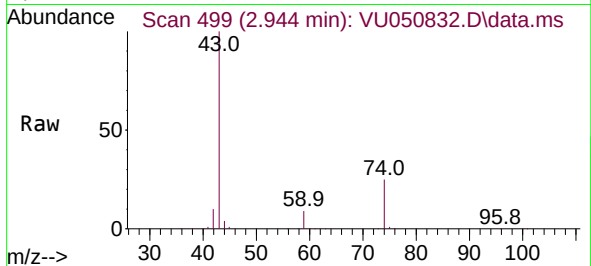




#15
Methyl Acetate
Concen: 52.124 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

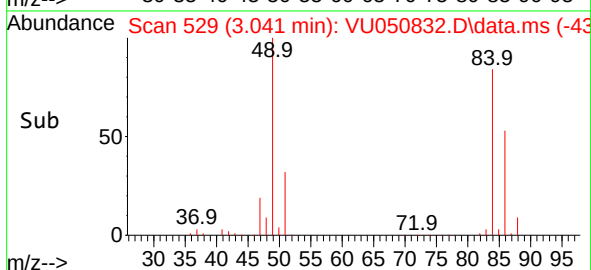
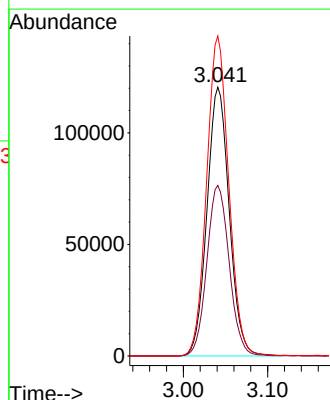
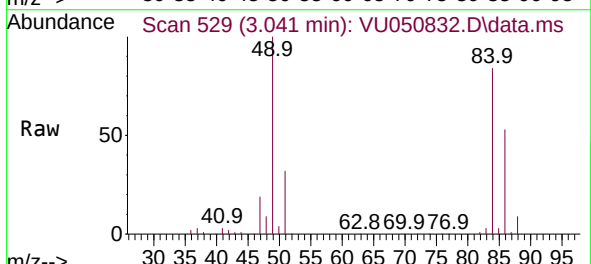
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

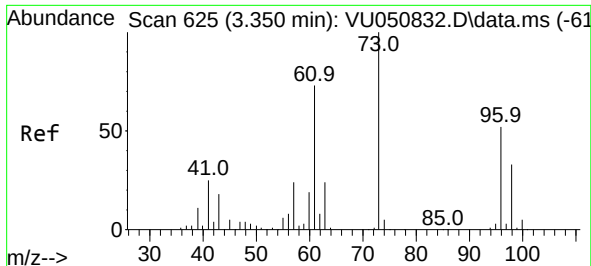
Tgt Ion: 43 Resp: 243546
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



#16
Methylene chloride
Concen: 47.829 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 84 Resp: 221837
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 119.0 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 48.171 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050033

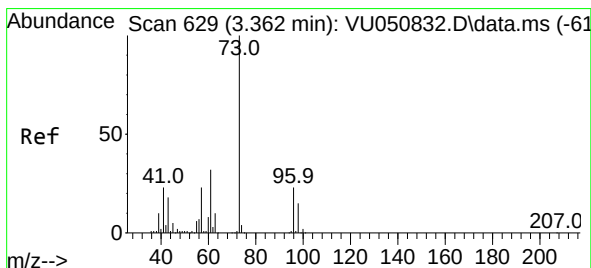
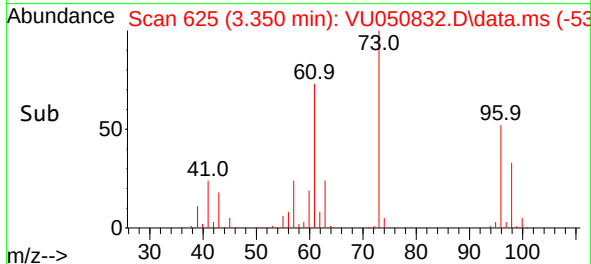
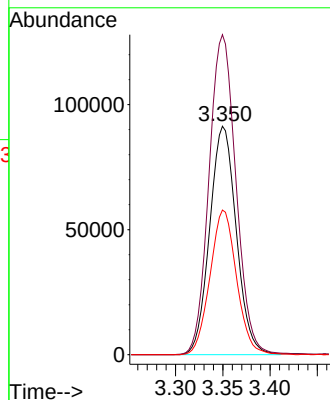
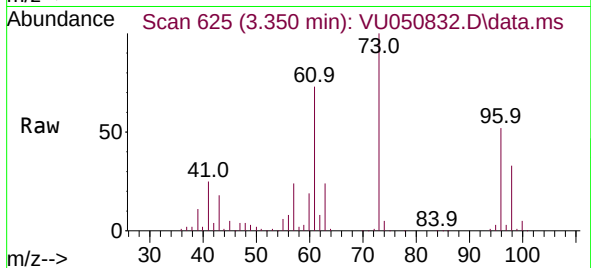
Tgt Ion: 96 Resp: 179200

Ion Ratio Lower Upper

96 100

61 140.0 98.0 182.0

98 63.3 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 47.955 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

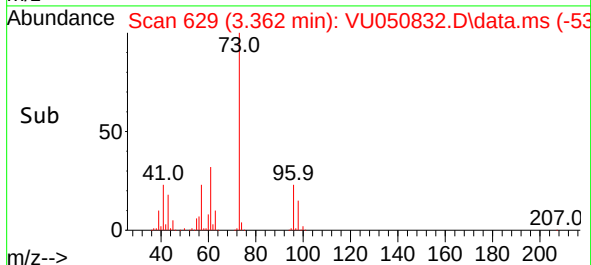
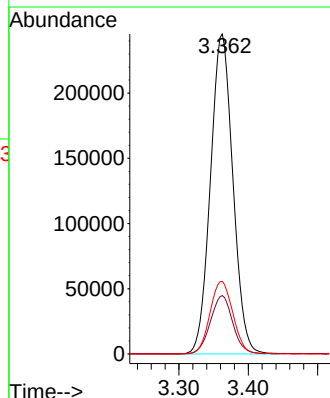
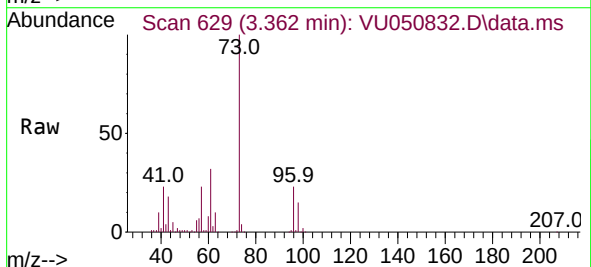
Tgt Ion: 73 Resp: 551338

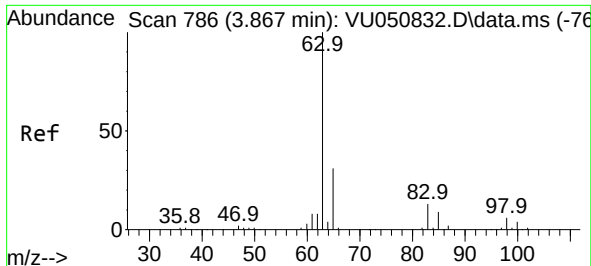
Ion Ratio Lower Upper

73 100

43 18.0 14.4 21.6

57 23.2 18.6 27.8





#19

1,1-Dichloroethane

Concen: 50.223 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050033

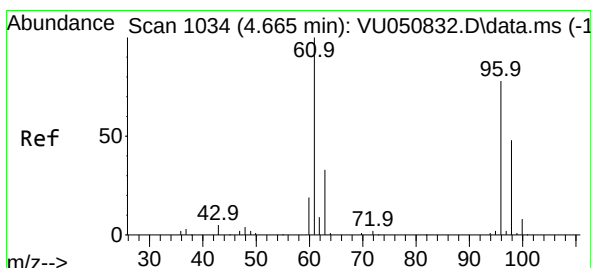
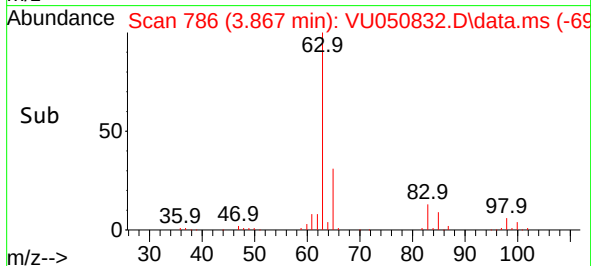
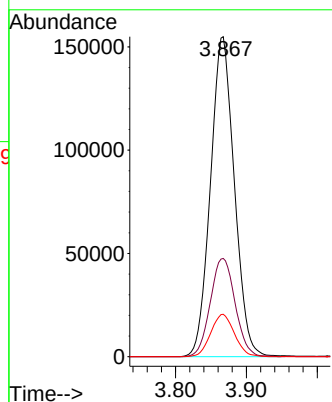
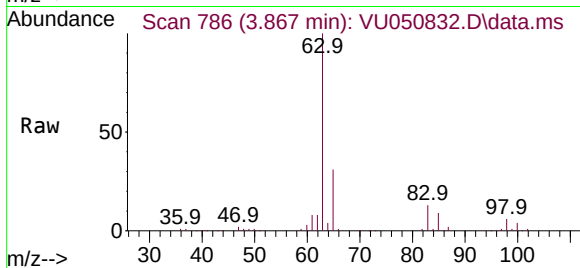
Tgt Ion: 63 Resp: 362831

Ion Ratio Lower Upper

63 100

65 30.7 21.5 39.9

83 13.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 48.239 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

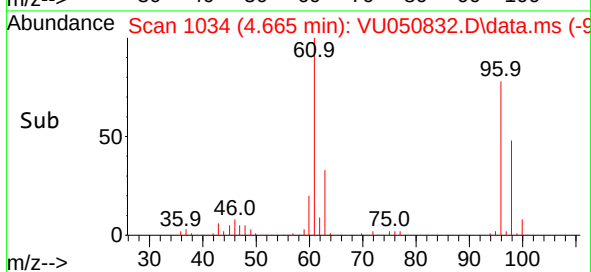
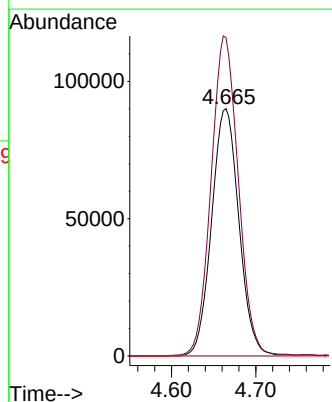
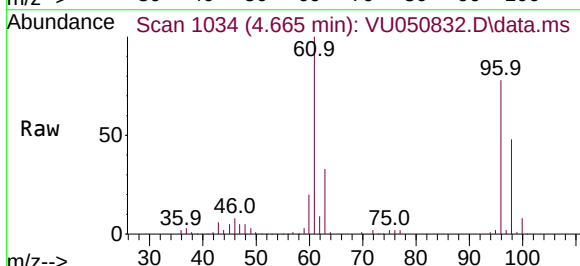
Tgt Ion: 96 Resp: 202464

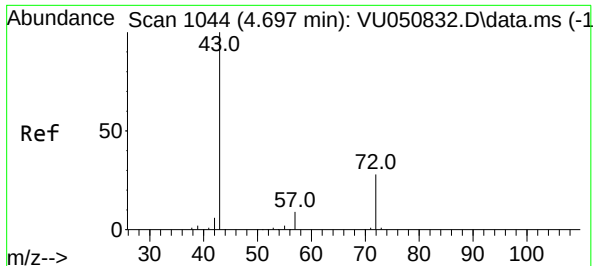
Ion Ratio Lower Upper

96 100

61 128.7 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.873 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

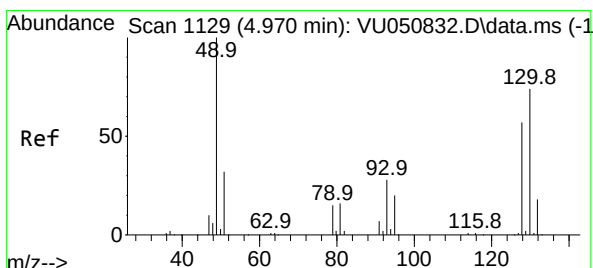
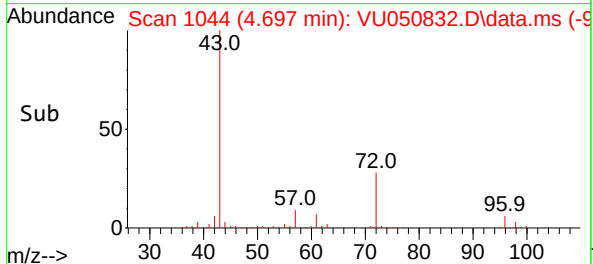
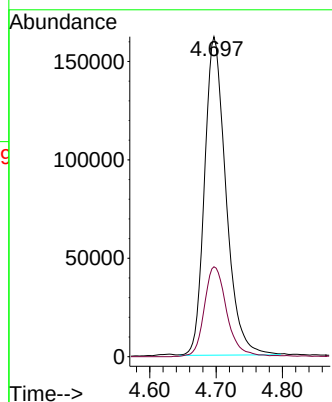
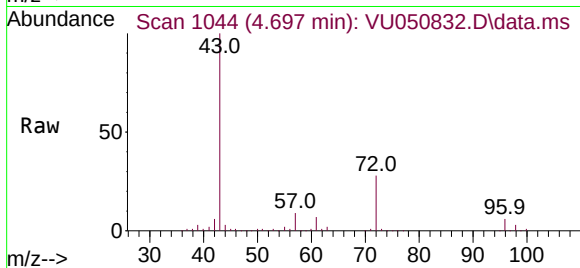
VSTD050033

Tgt Ion: 43 Resp: 363687

Ion Ratio Lower Upper

43 100

72 29.5 14.8 44.3



#23

Bromochloromethane

Concen: 47.698 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Tgt Ion:128 Resp: 103283

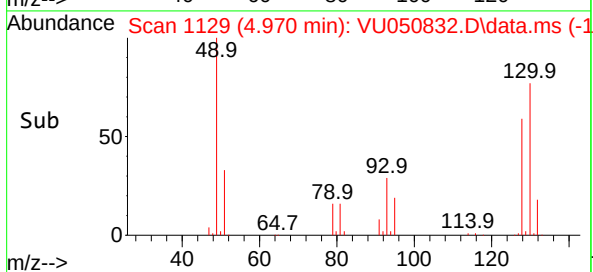
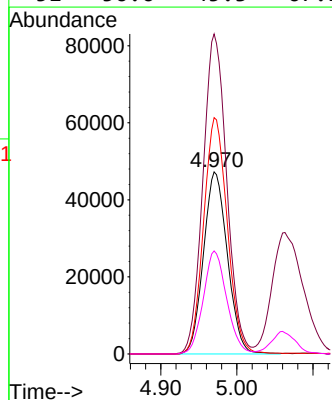
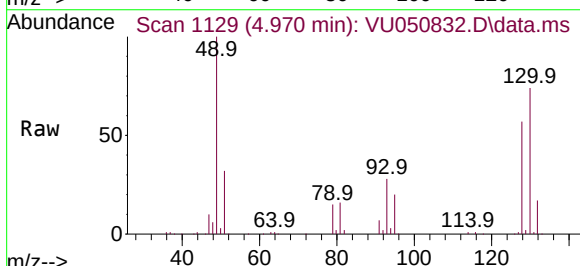
Ion Ratio Lower Upper

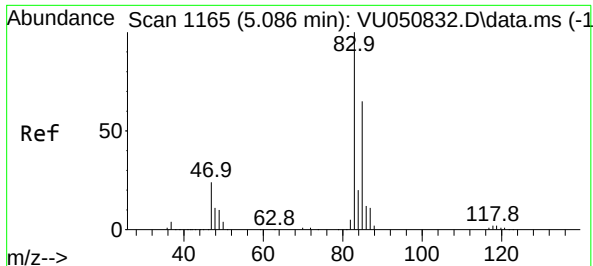
128 100

49 175.8 123.1 228.5

130 129.8 90.9 168.7

51 56.6 45.3 67.9





#25

Chloroform

Concen: 49.357 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

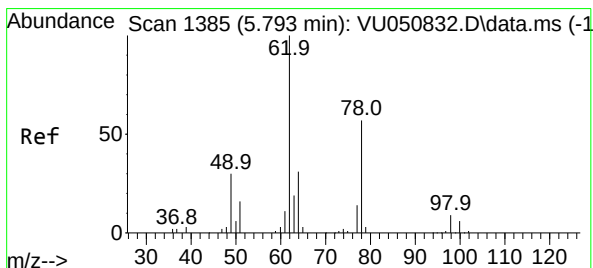
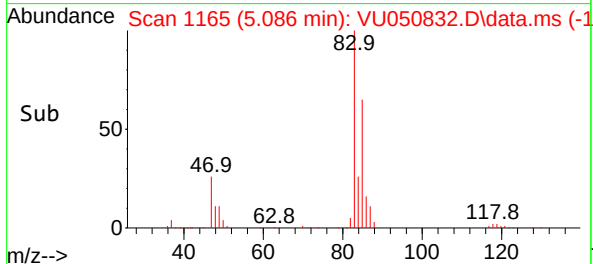
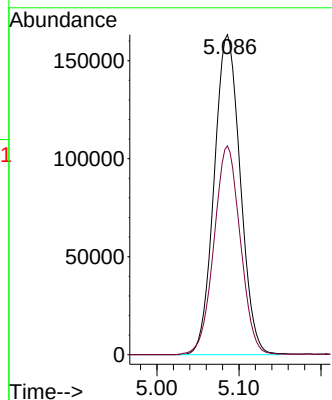
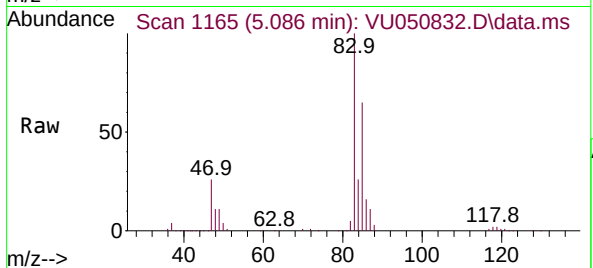
VSTD050033

Tgt Ion: 83 Resp: 361327

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 51.076 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050832.D

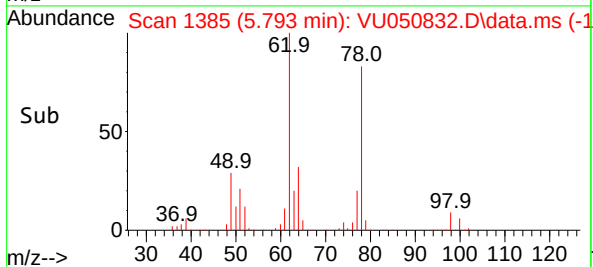
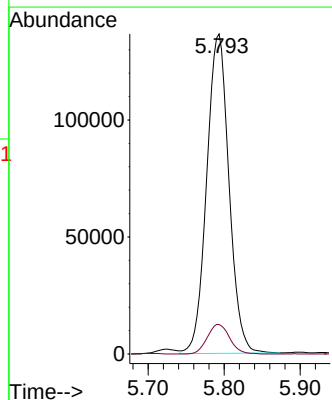
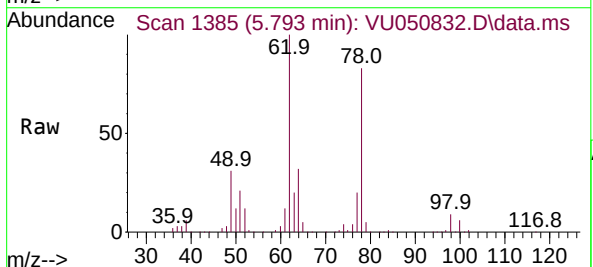
Acq: 20 Sep 2022 14:38

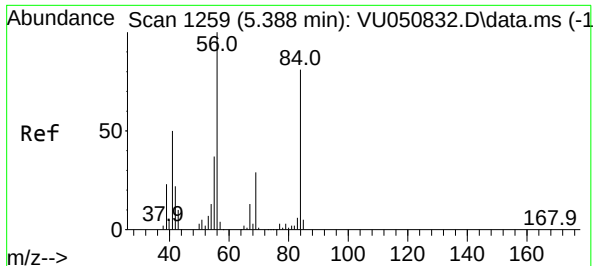
Tgt Ion: 62 Resp: 278485

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 51.902 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050033

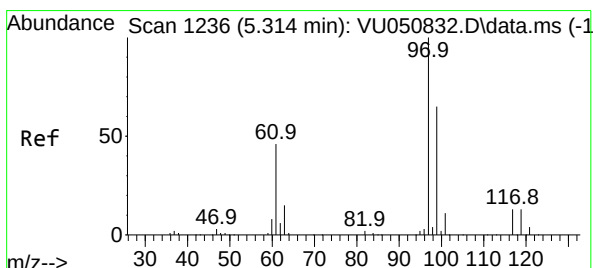
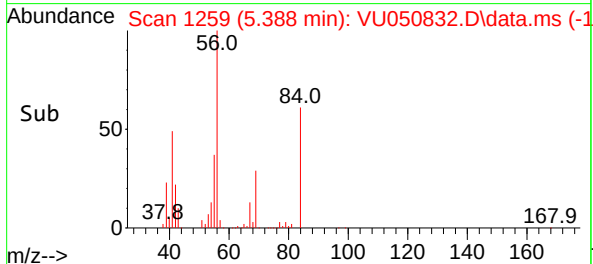
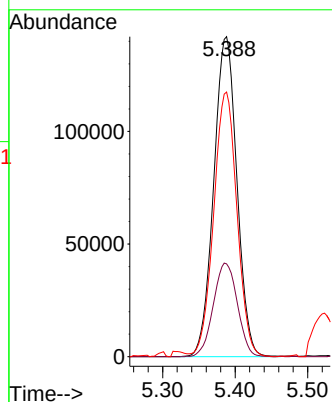
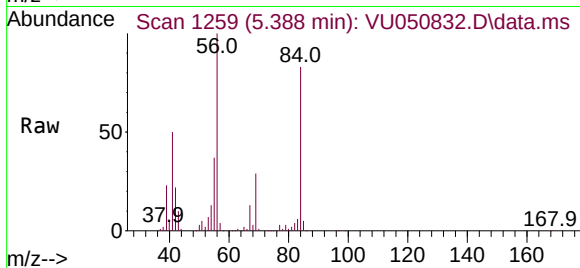
Tgt Ion: 56 Resp: 315644

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 83.0 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 48.678 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

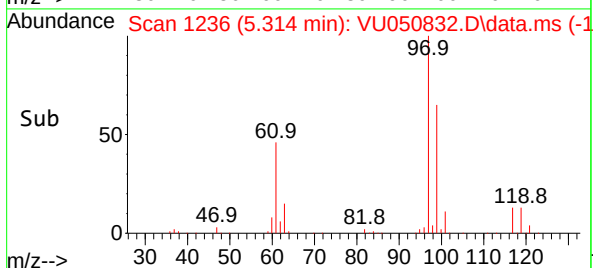
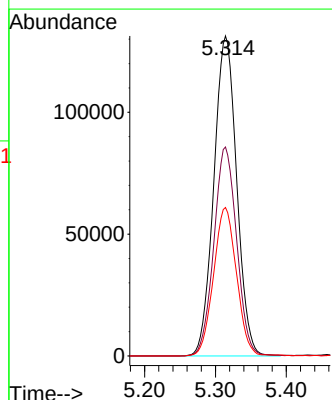
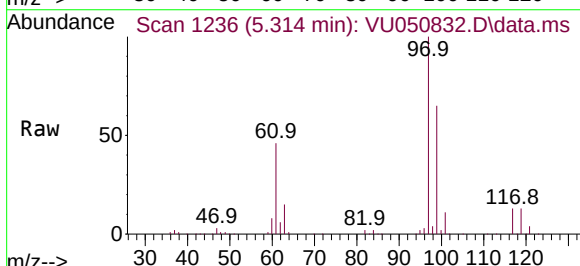
Tgt Ion: 97 Resp: 294403

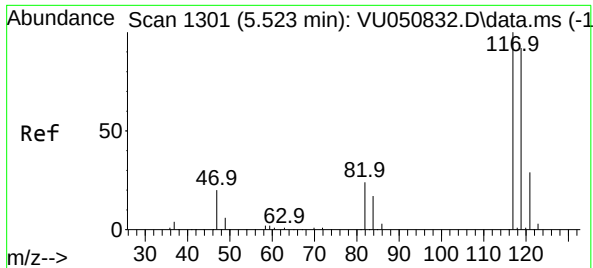
Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

61 46.4 37.1 55.7

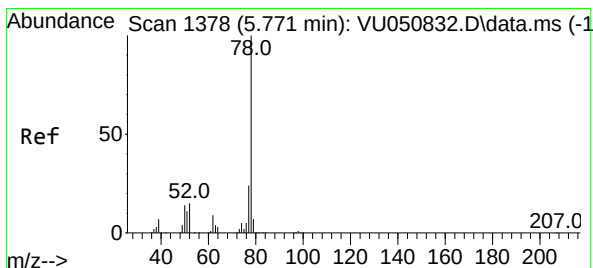
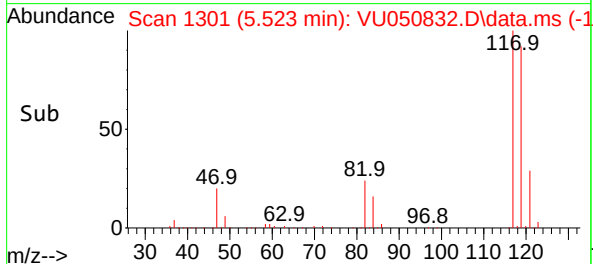
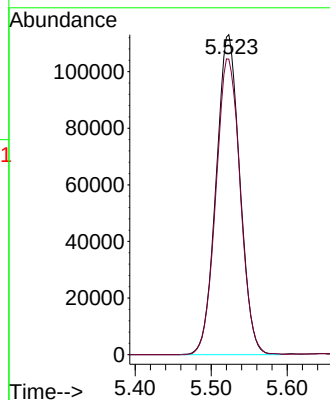
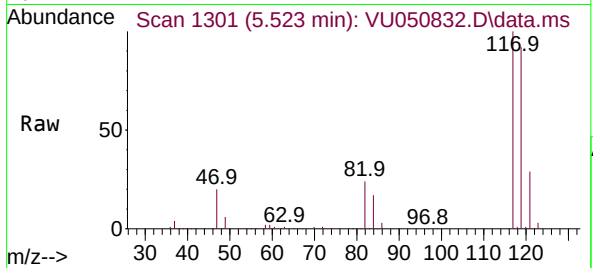




#31
Carbon tetrachloride
Concen: 49.219 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

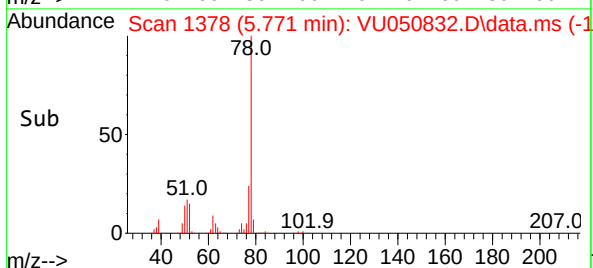
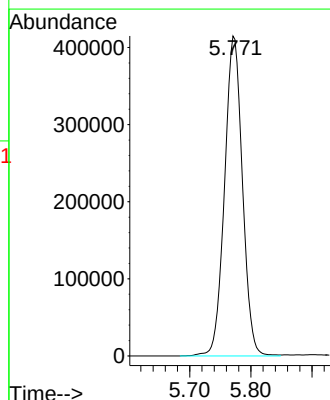
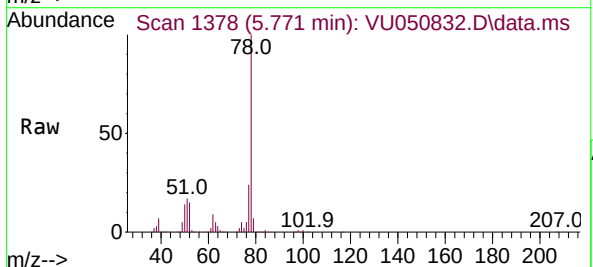
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

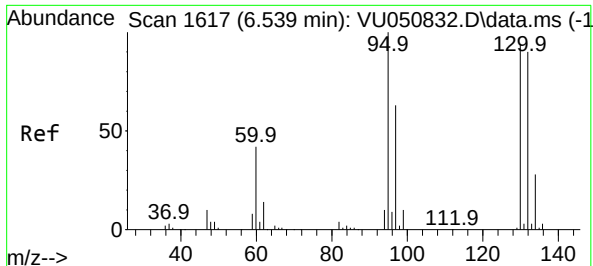
Tgt Ion:117 Resp: 244880
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 51.304 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 78 Resp: 843780





#34

Trichloroethene

Concen: 49.709 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050033

Tgt Ion: 95 Resp: 189355

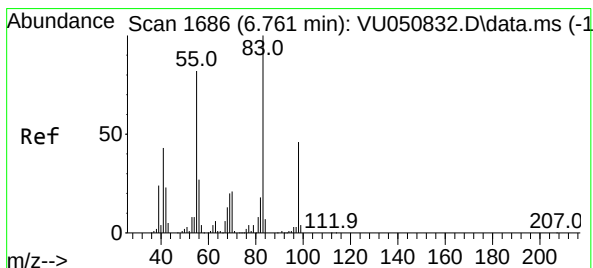
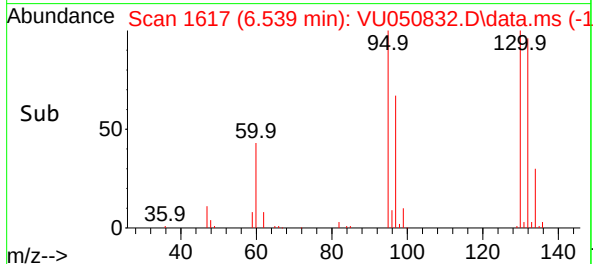
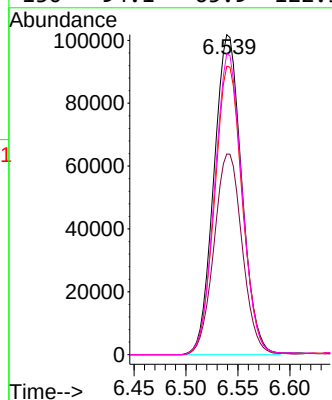
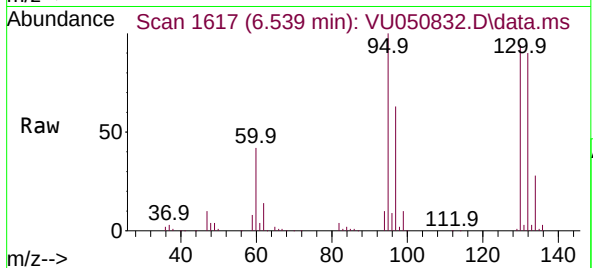
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 90.1 63.1 117.1

130 94.1 65.9 122.3



#35

Methylcyclohexane

Concen: 51.552 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

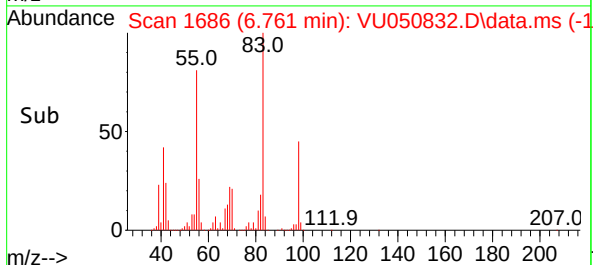
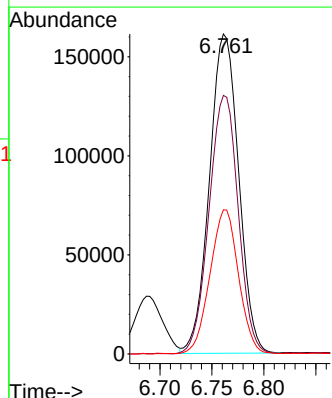
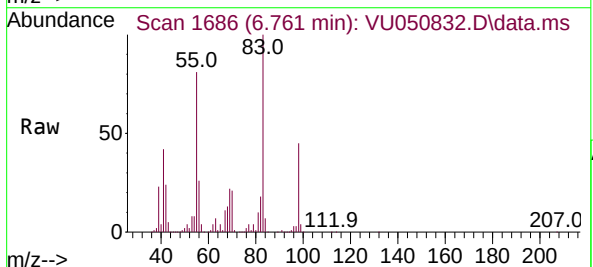
Tgt Ion: 83 Resp: 315237

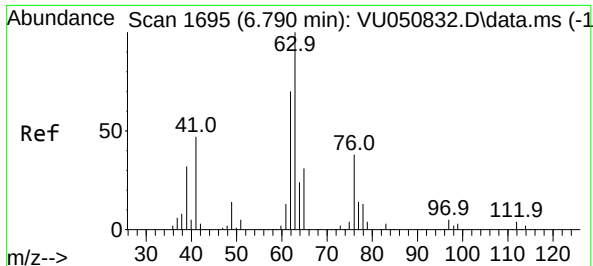
Ion Ratio Lower Upper

83 100

55 80.9 64.7 97.1

98 44.0 35.2 52.8

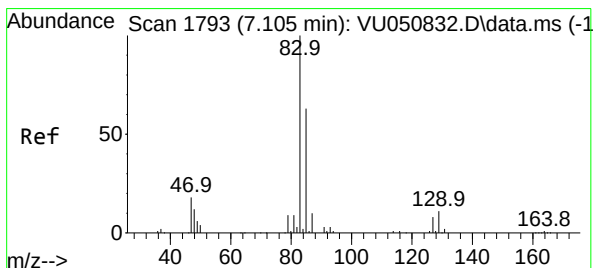
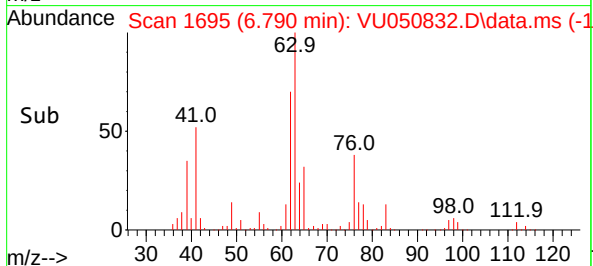
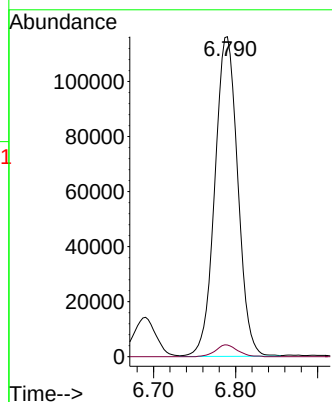
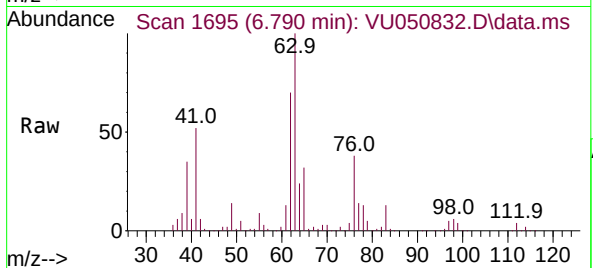




#37
1,2-Dichloropropane
Concen: 51.848 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

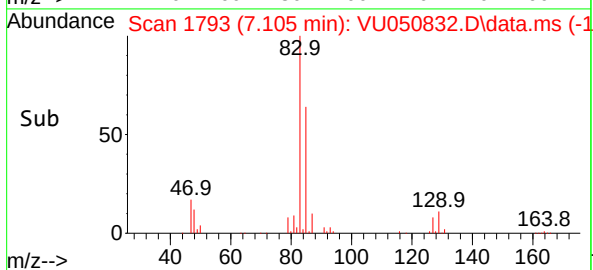
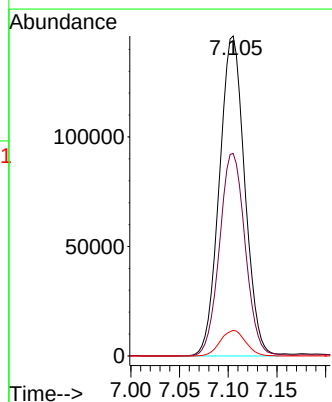
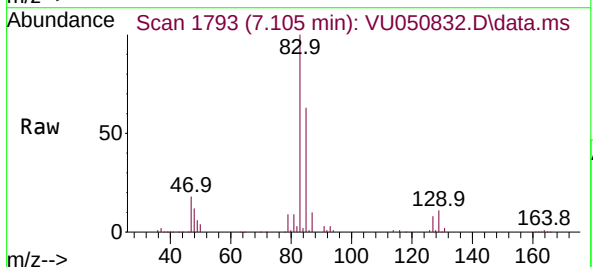
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

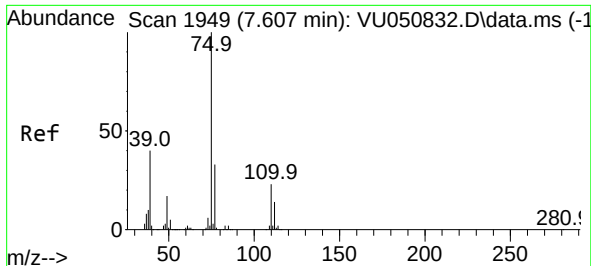
Tgt Ion: 63 Resp: 225677
Ion Ratio Lower Upper
63 100
112 3.6 2.9 4.3



#38
Bromodichloromethane
Concen: 51.784 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 83 Resp: 264547
Ion Ratio Lower Upper
83 100
85 63.3 44.3 82.3
127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 52.202 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

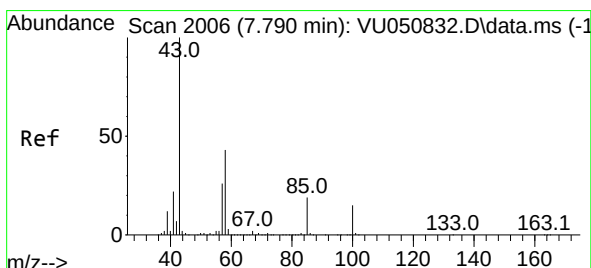
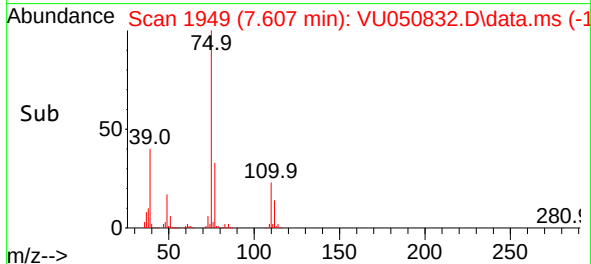
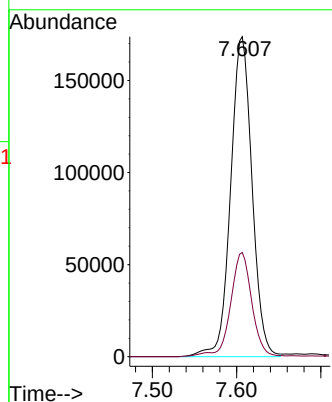
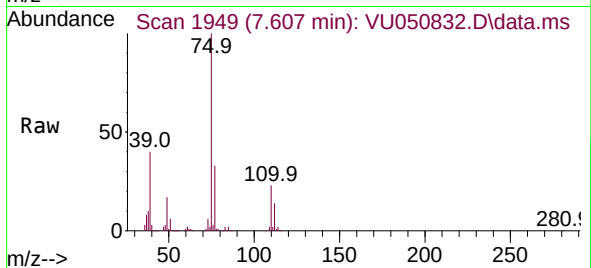
VSTD050033

Tgt Ion: 75 Resp: 306852

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 110.657 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

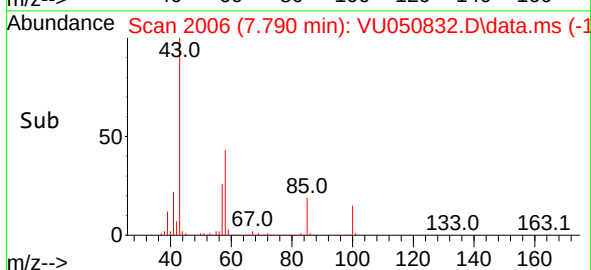
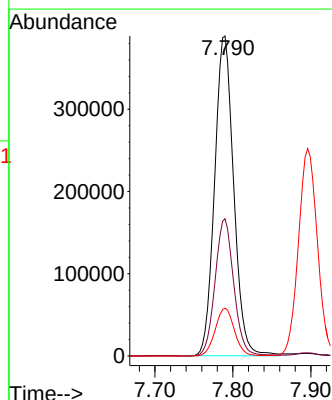
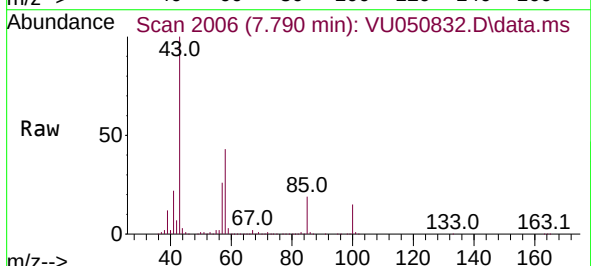
Tgt Ion: 43 Resp: 663180

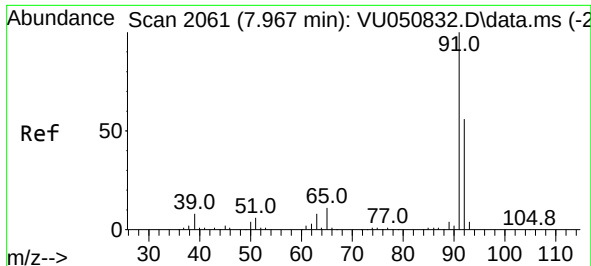
Ion Ratio Lower Upper

43 100

58 42.2 33.8 50.6

100 15.0 12.0 18.0





#42

Toluene

Concen: 51.495 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

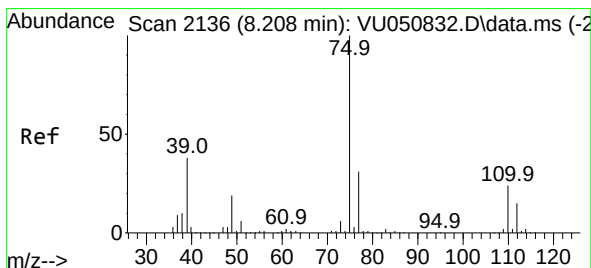
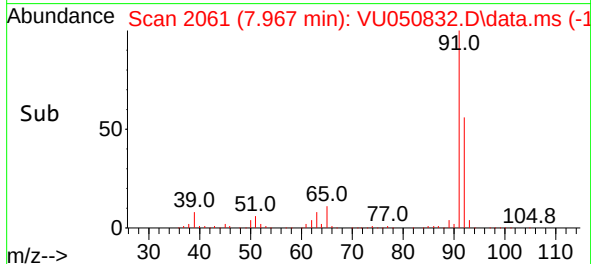
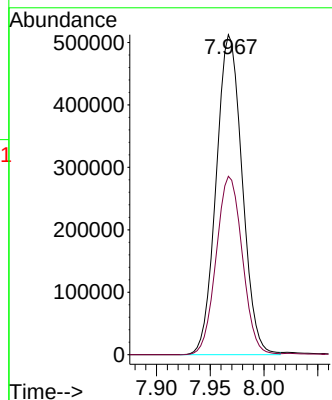
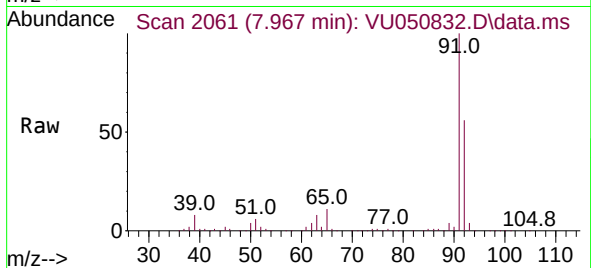
VSTD050033

Tgt Ion: 91 Resp: 860918

Ion Ratio Lower Upper

91 100

92 55.8 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 53.524 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU050832.D

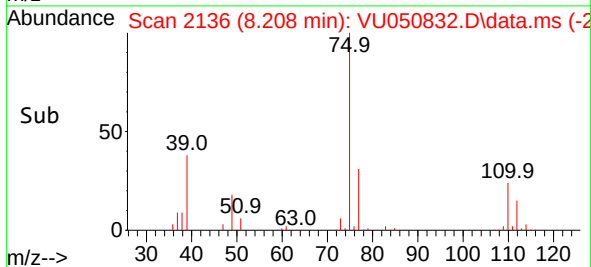
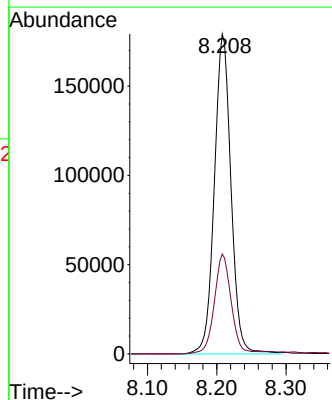
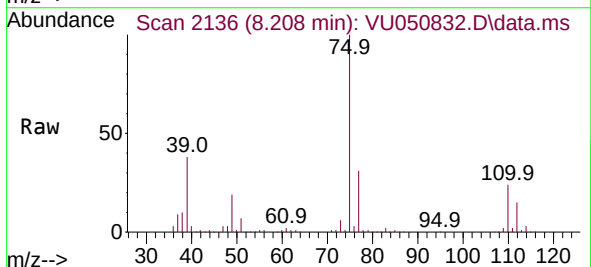
Acq: 20 Sep 2022 14:38

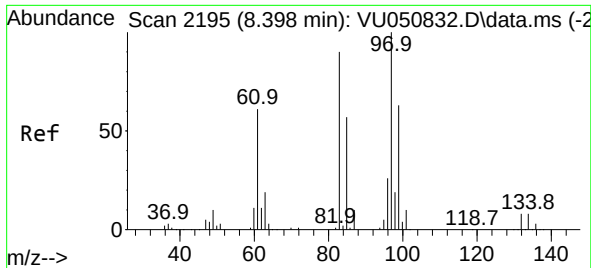
Tgt Ion: 75 Resp: 299073

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



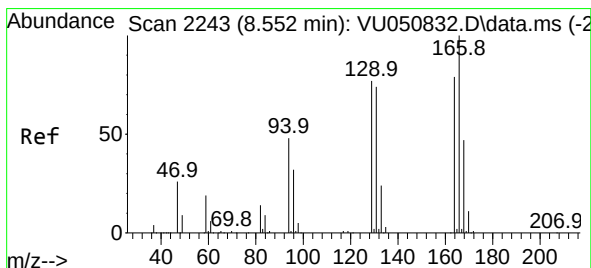
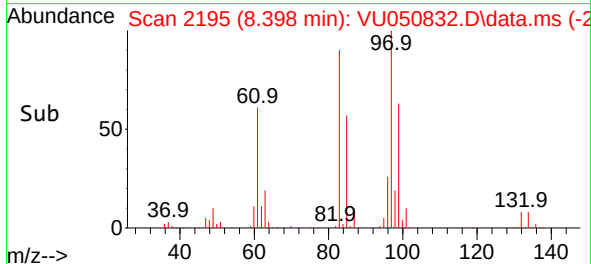
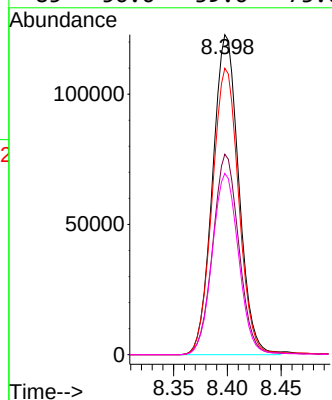
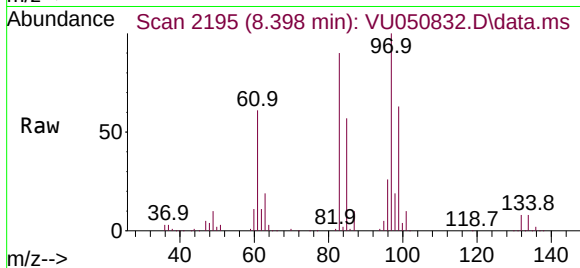


#45
1,1,2-Trichloroethane
Concen: 49.987 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

Tgt Ion: 97 Resp: 208169

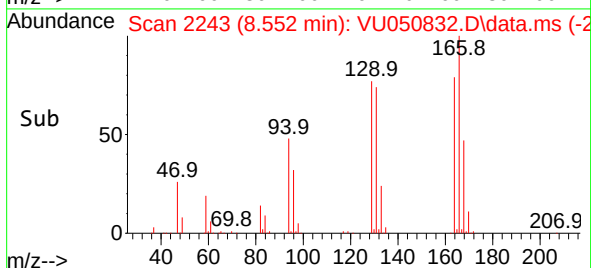
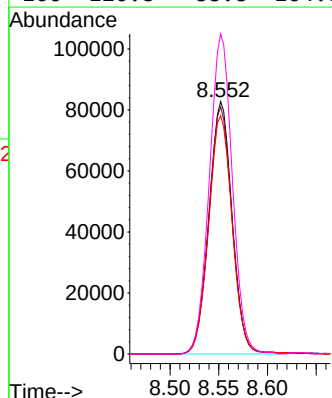
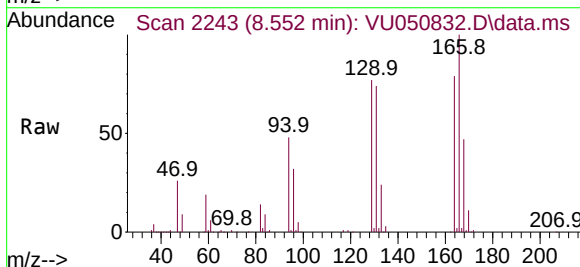
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	89.5	62.6	116.3
85	56.6	39.6	73.6

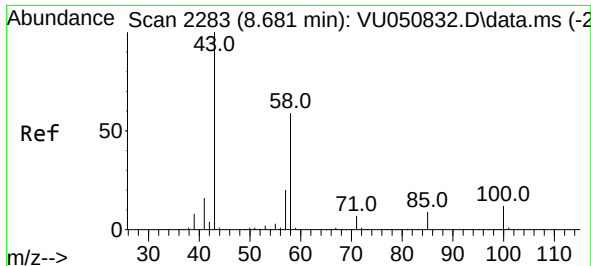


#46
Tetrachloroethene
Concen: 49.181 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 164 Resp: 136797

Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.5	127.3
131	94.4	66.1	122.7
166	126.8	88.8	164.8

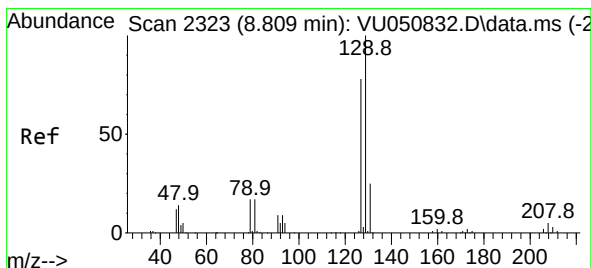
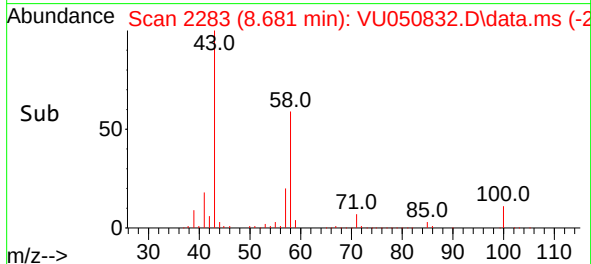
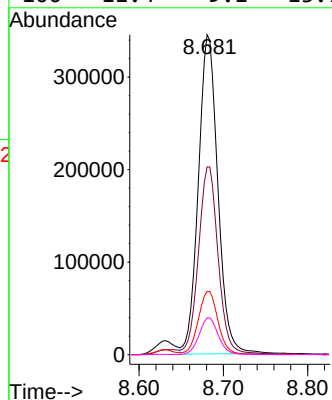
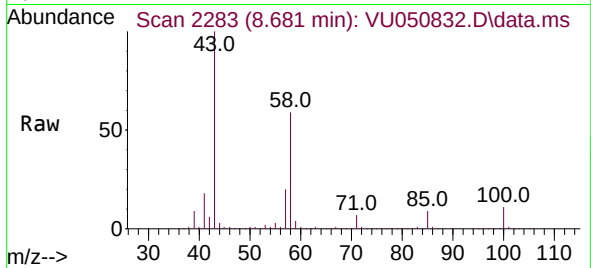




#48
2-Hexanone
Concen: 100.888 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

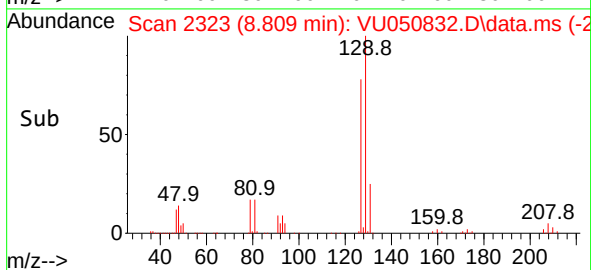
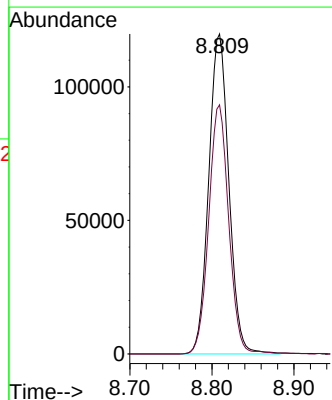
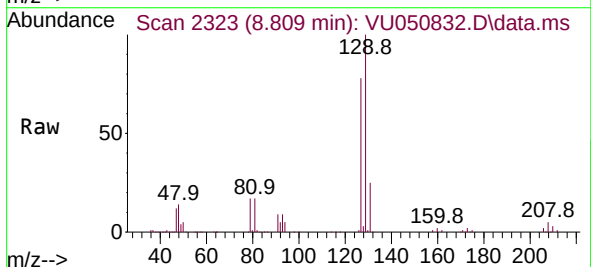
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

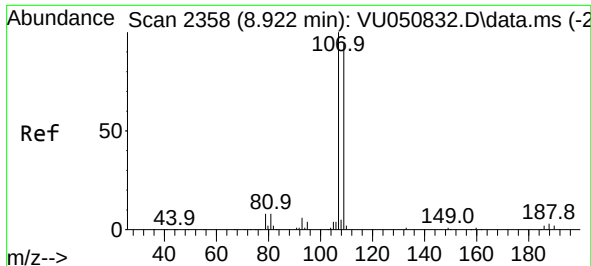
Tgt Ion:	43	Resp:	554678
Ion	Ratio	Lower	Upper
43	100		
58	59.0	47.2	70.8
57	20.3	16.2	24.4
100	11.4	9.1	13.7



#49
Dibromochloromethane
Concen: 51.166 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:	129	Resp:	204422
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.5	101.1

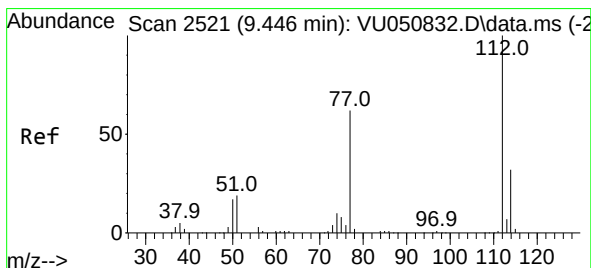
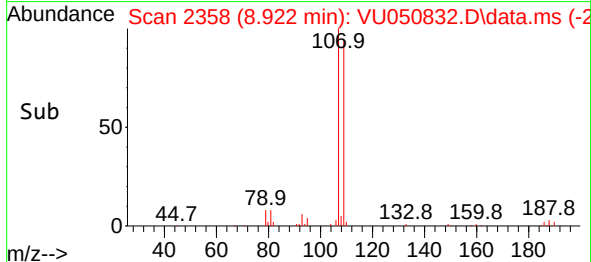
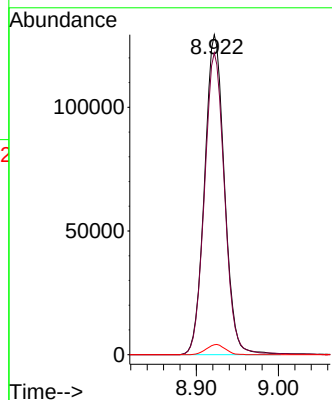
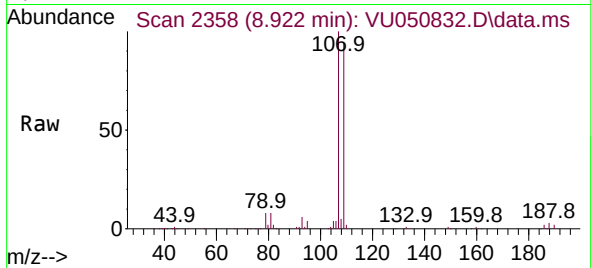




#50
1,2-Dibromoethane
Concen: 51.446 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

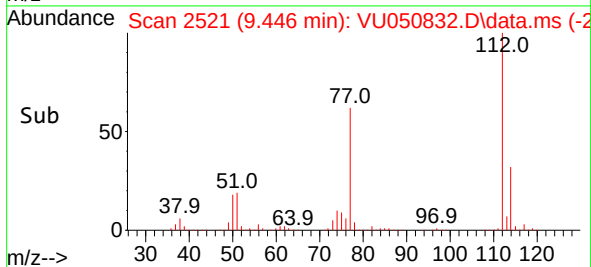
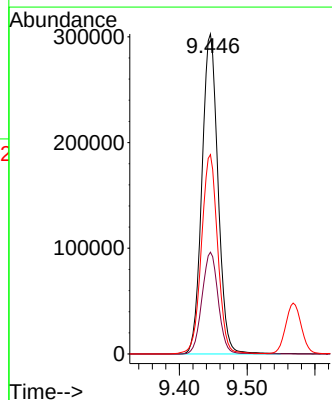
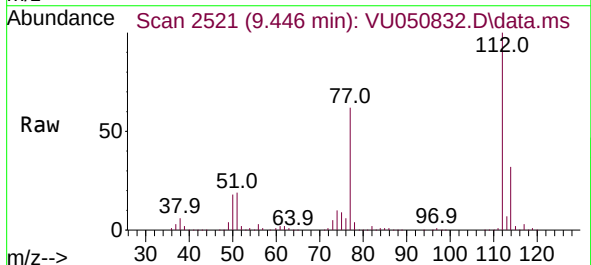
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

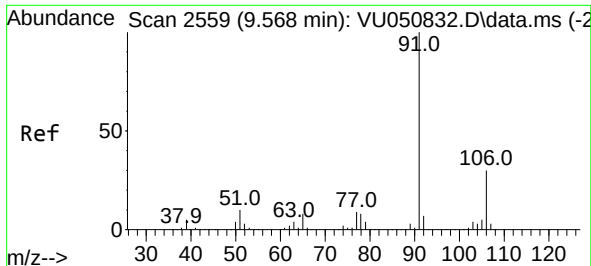
Tgt Ion:107 Resp: 218245
Ion Ratio Lower Upper
107 100
109 94.3 66.0 122.6
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 48.407 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:112 Resp: 497795
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 62.3 49.8 74.8

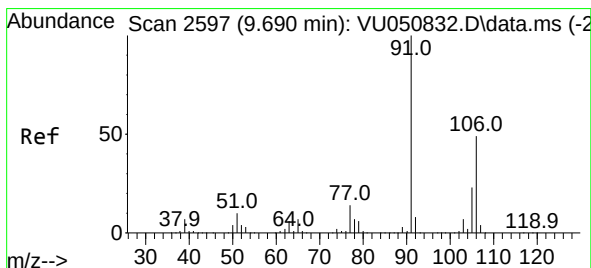
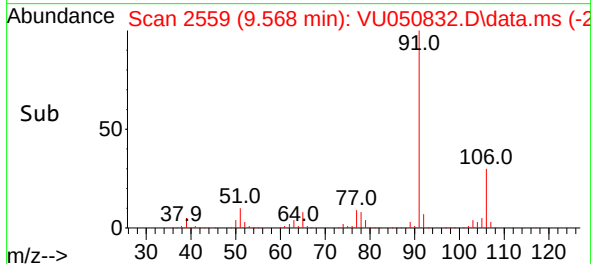
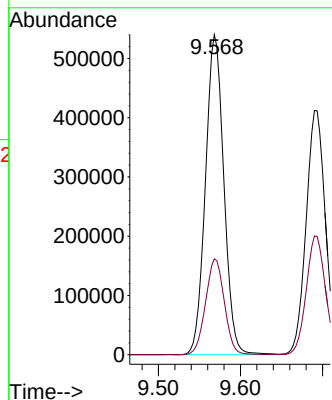
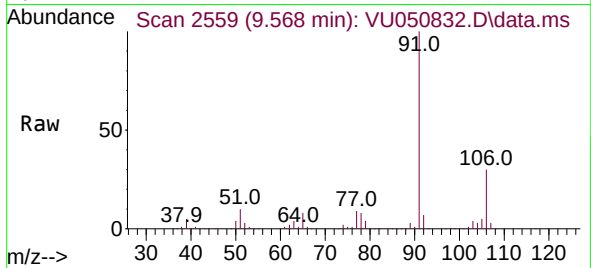




#52
Ethylbenzene
Concen: 51.272 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

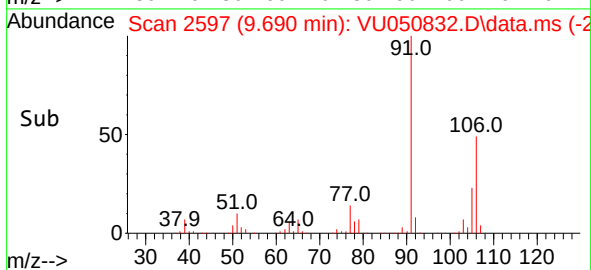
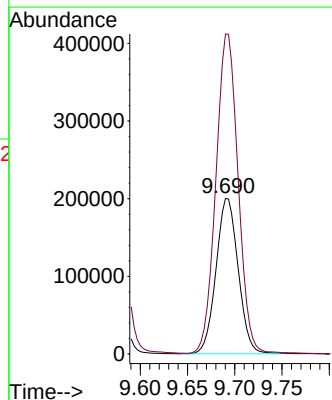
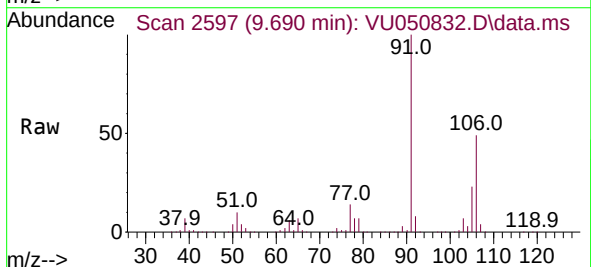
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

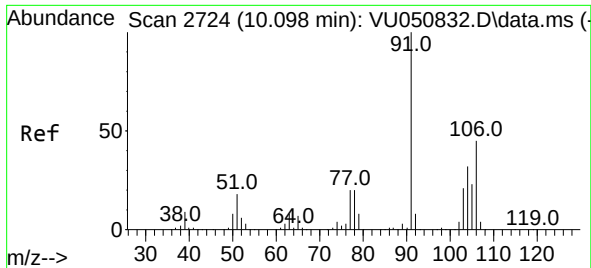
Tgt Ion: 91 Resp: 841436
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#53
m,p-Xylene
Concen: 51.458 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 106 Resp: 325942
Ion Ratio Lower Upper
106 100
91 205.7 144.0 267.4

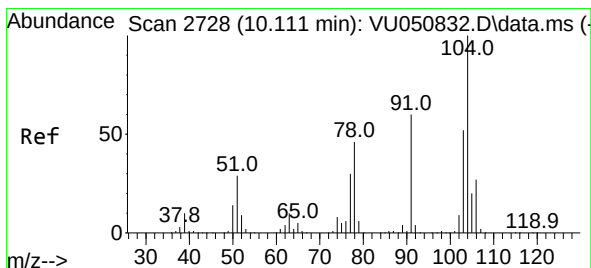
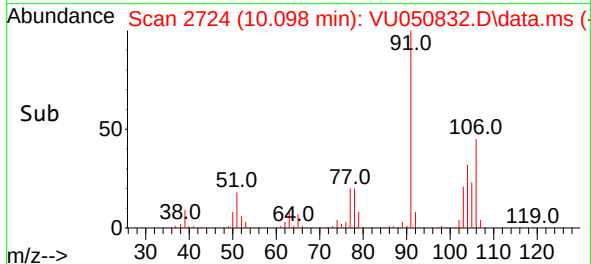
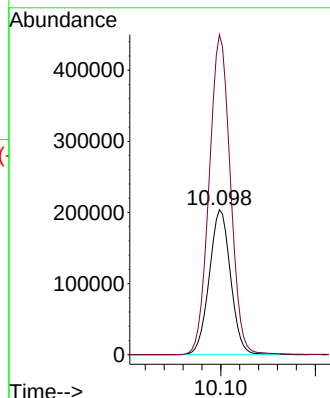
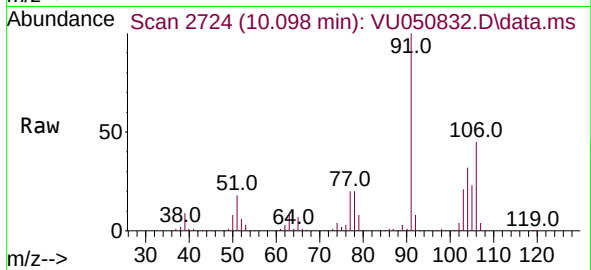




#54
o-Xylene
Concen: 50.963 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

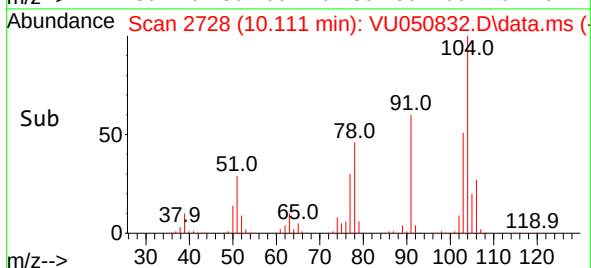
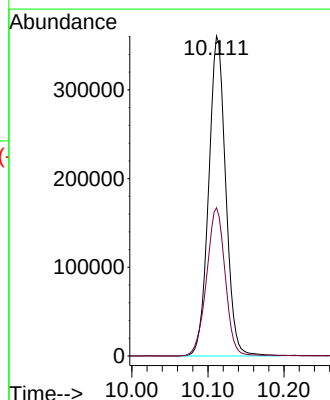
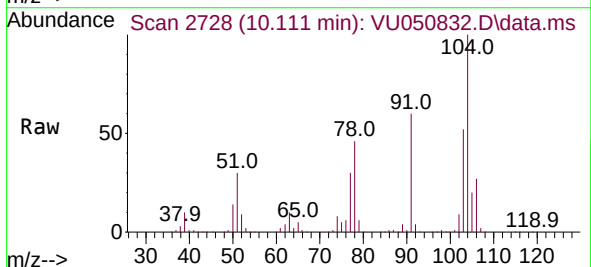
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

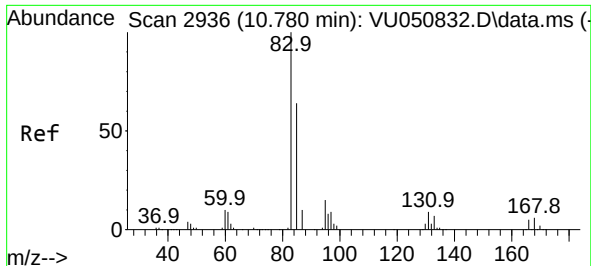
Tgt Ion:106 Resp: 318675
Ion Ratio Lower Upper
106 100
91 220.8 154.6 287.0



#55
Styrene
Concen: 54.100 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:104 Resp: 562919
Ion Ratio Lower Upper
104 100
78 46.3 32.4 60.2

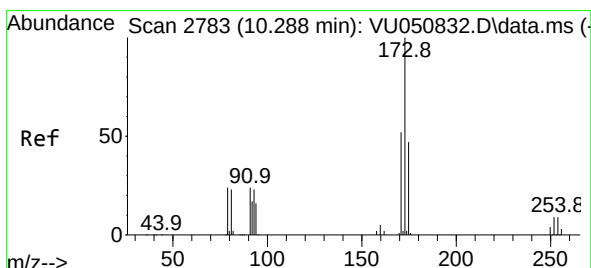
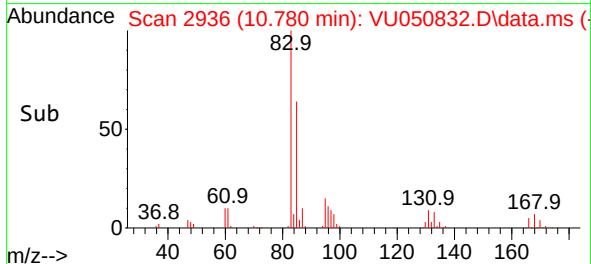
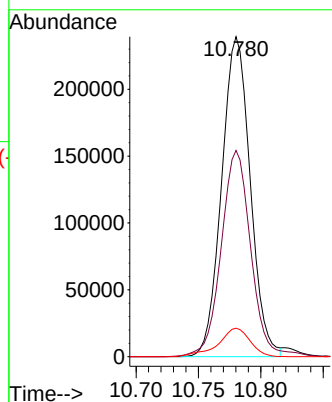
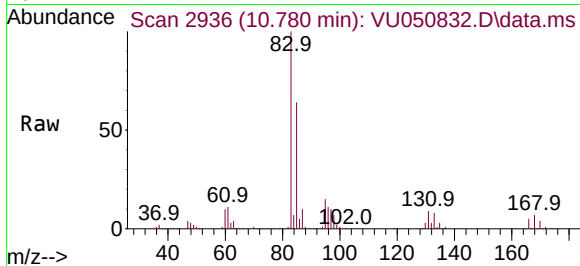




#57
1,1,2,2-Tetrachloroethane
Concen: 50.975 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

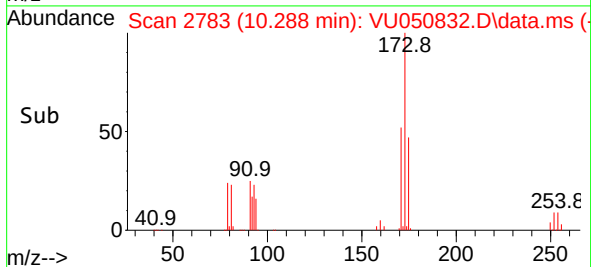
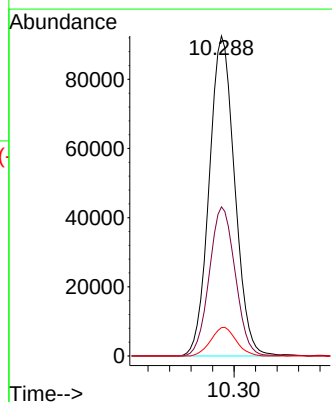
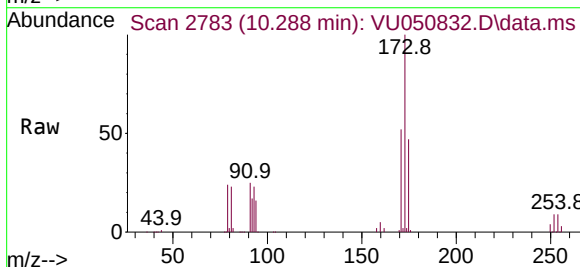
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

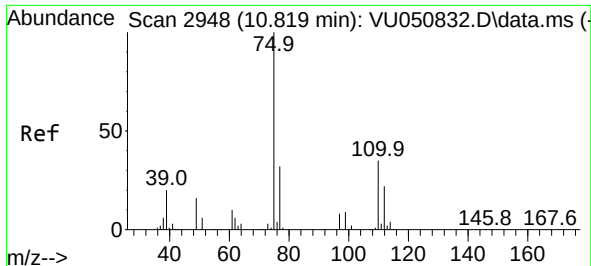
Tgt Ion: 83 Resp: 382835
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
131 8.9 7.1 10.7



#59
Bromoform
Concen: 46.230 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 173 Resp: 152312
Ion Ratio Lower Upper
173 100
175 47.3 37.8 56.8
254 8.9 7.1 10.7

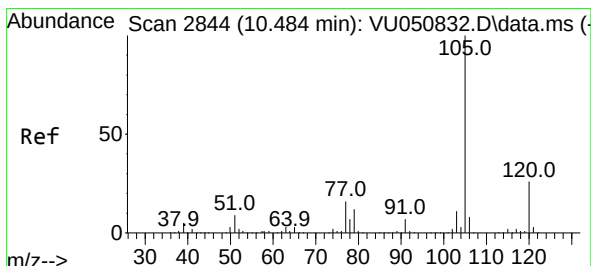
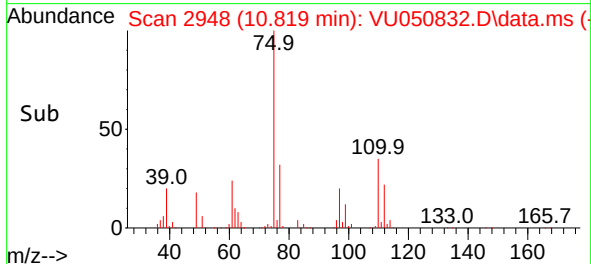
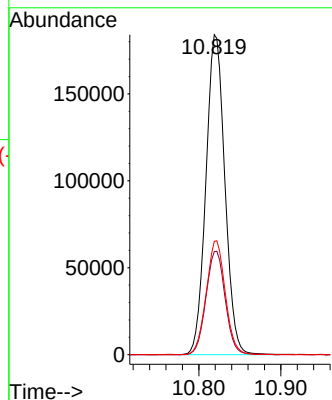
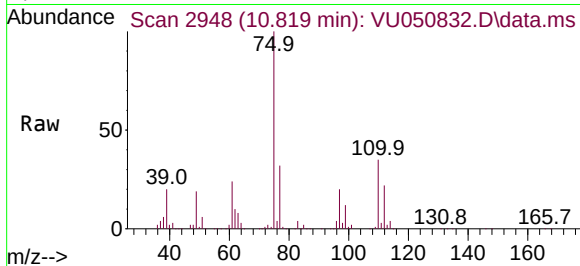




#60
1,2,3-Trichloropropane
Concen: 45.893 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

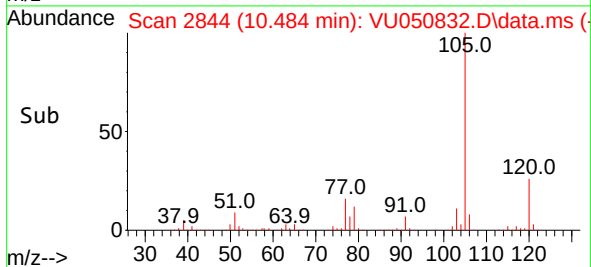
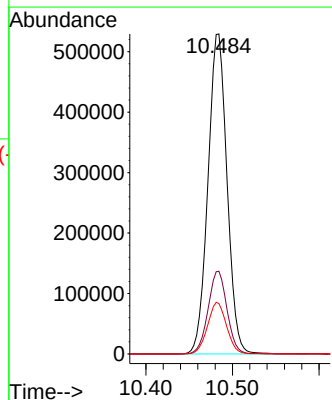
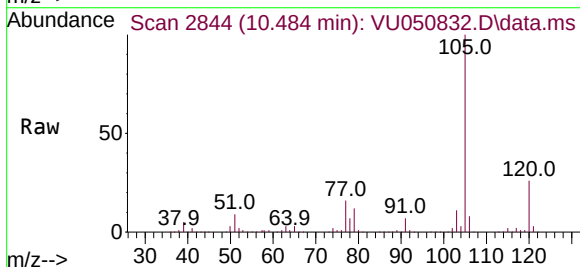
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

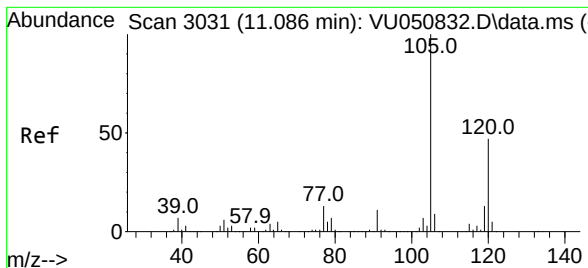
Tgt Ion: 75 Resp: 296132
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4
110 35.8 28.6 43.0



#61
Isopropylbenzene
Concen: 46.780 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion: 105 Resp: 809118
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.1 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 45.929 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

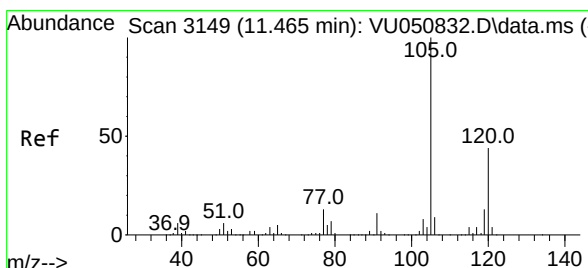
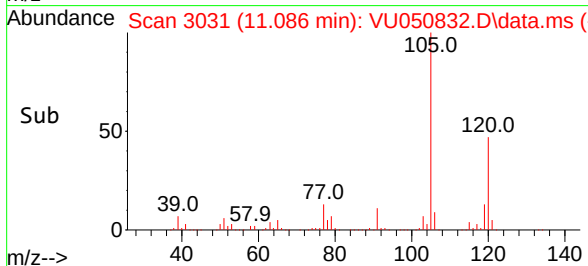
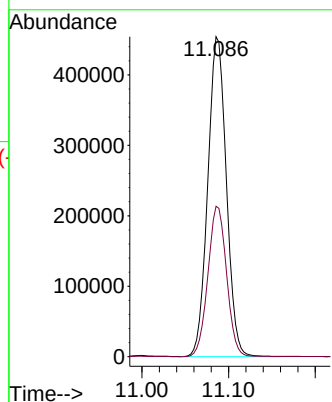
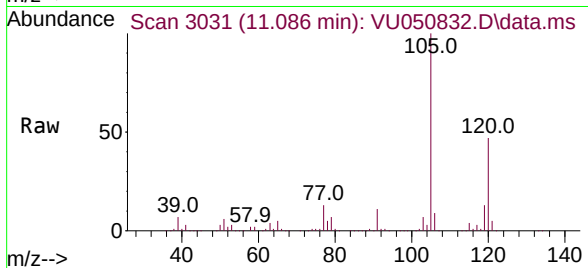
VSTD050033

Tgt Ion:105 Resp: 676210

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 47.689 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU050832.D

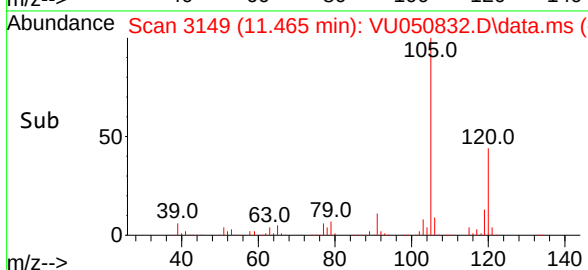
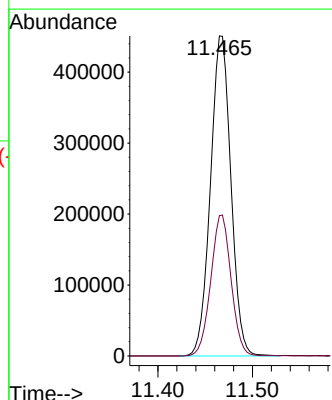
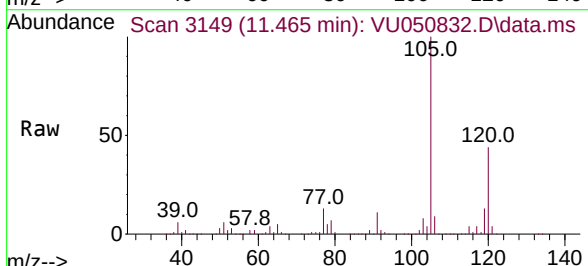
Acq: 20 Sep 2022 14:38

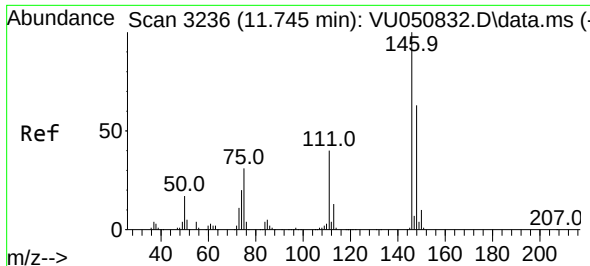
Tgt Ion:105 Resp: 678529

Ion Ratio Lower Upper

105 100

120 43.6 34.9 52.3

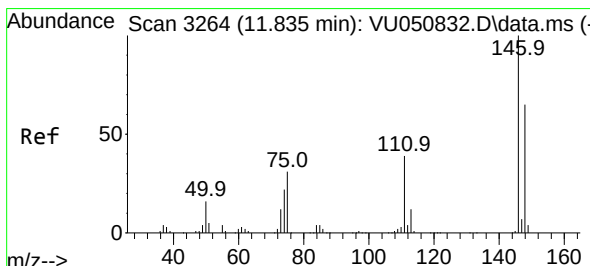
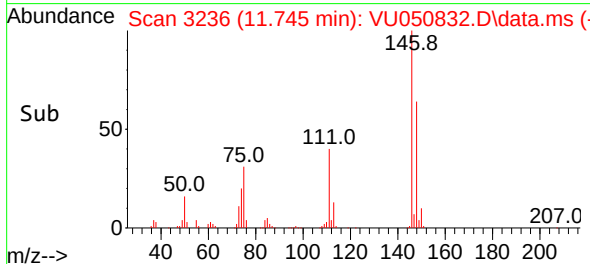
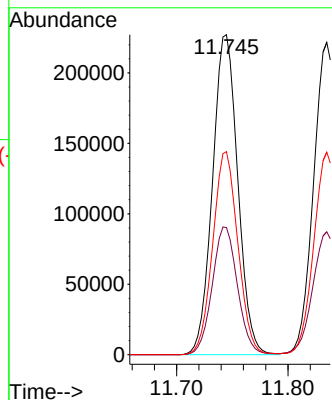
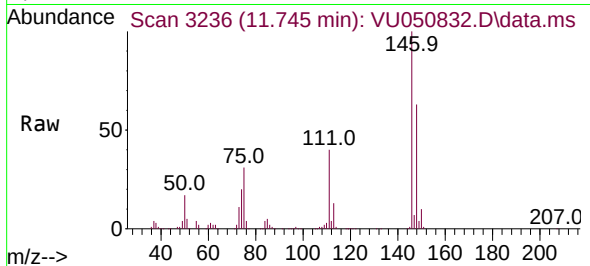




#64
1,3-Dichlorobenzene
Concen: 46.833 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

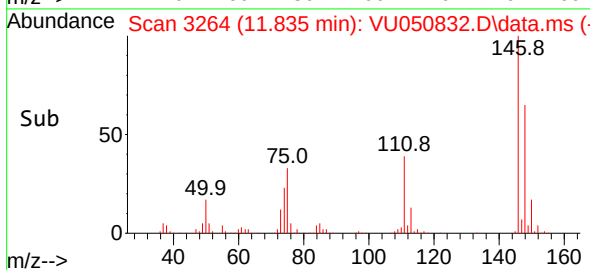
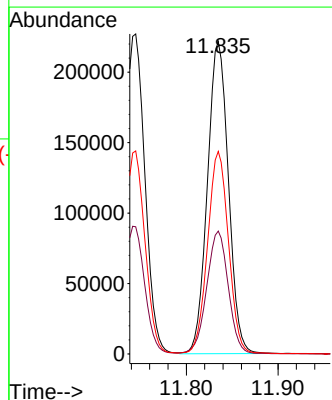
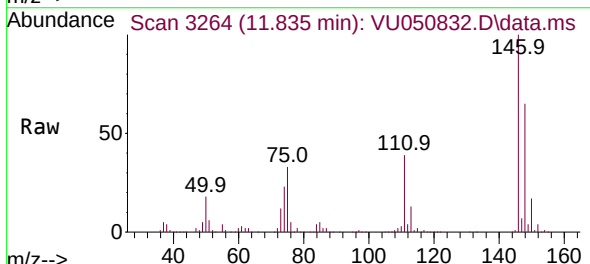
Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

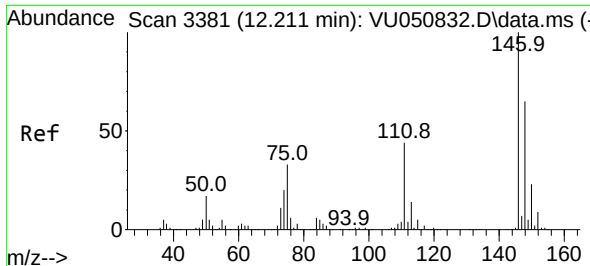
Tgt Ion:146 Resp: 358025
Ion Ratio Lower Upper
146 100
111 39.8 27.9 51.7
148 63.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 46.607 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:146 Resp: 352137
Ion Ratio Lower Upper
146 100
111 39.3 27.5 51.1
148 64.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 45.345 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050033

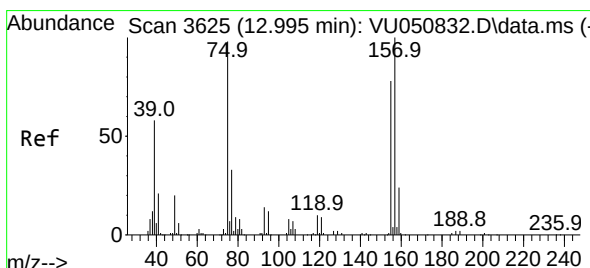
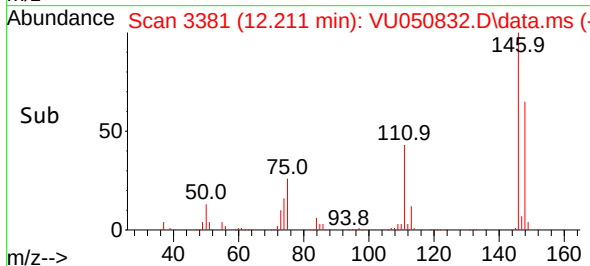
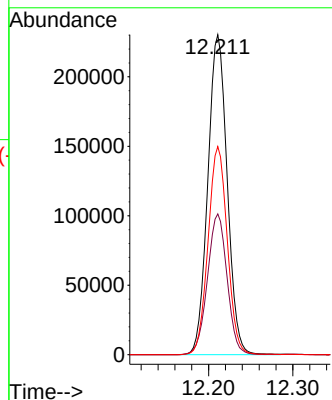
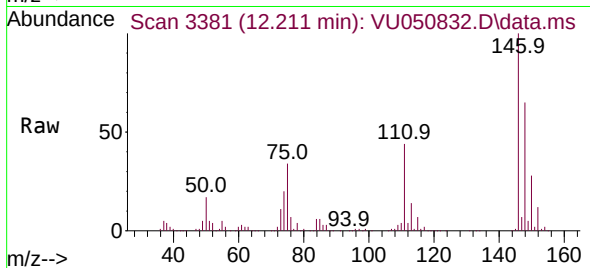
Tgt Ion:146 Resp: 368250

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

148 65.0 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 47.612 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050832.D

Acq: 20 Sep 2022 14:38

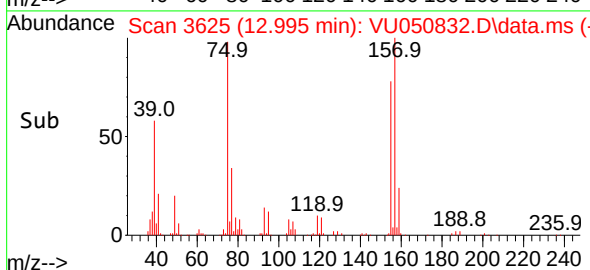
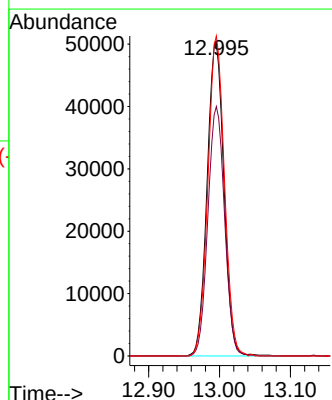
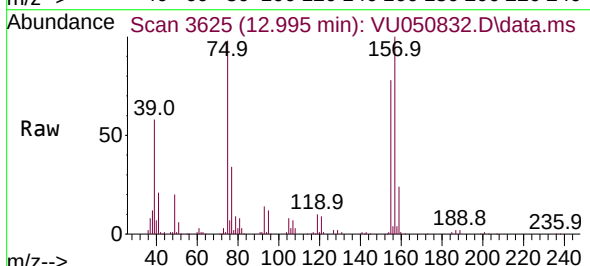
Tgt Ion: 75 Resp: 82573

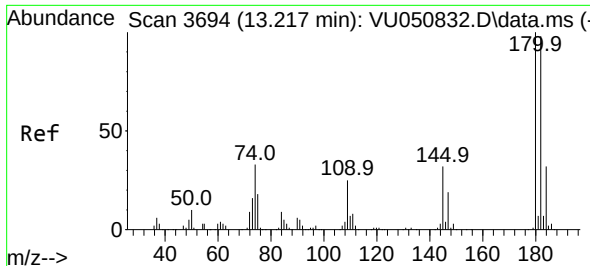
Ion Ratio Lower Upper

75 100

155 79.8 63.8 95.8

157 102.3 81.8 122.8

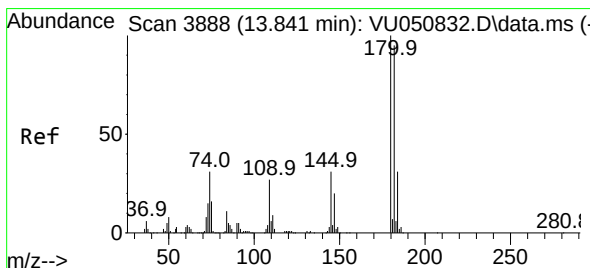
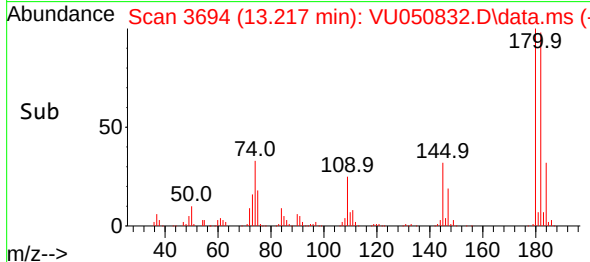
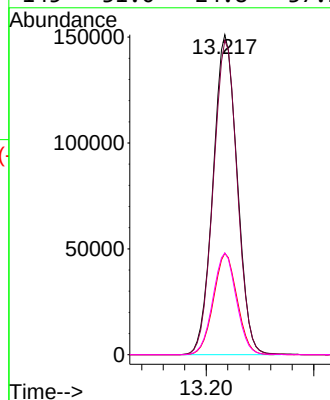
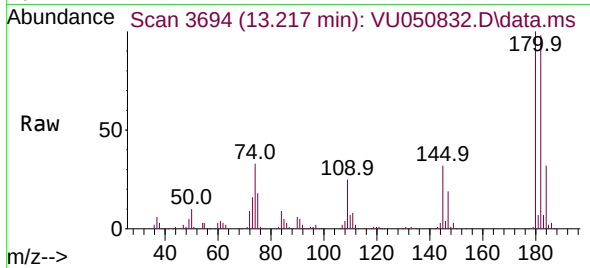




#69
 1,3,5-Trichlorobenzene
 Concen: 42.916 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

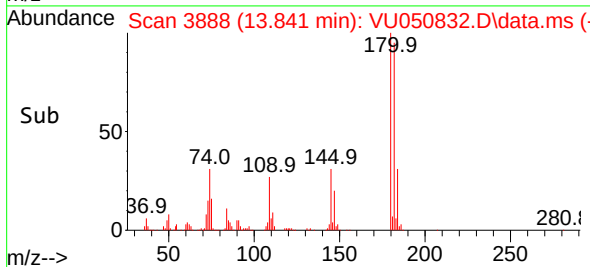
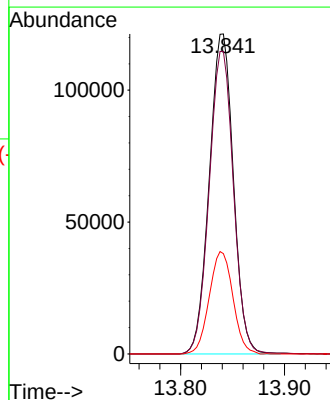
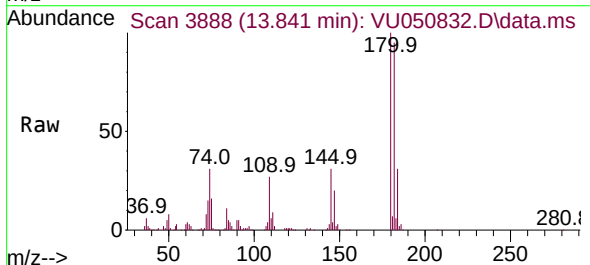
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050033

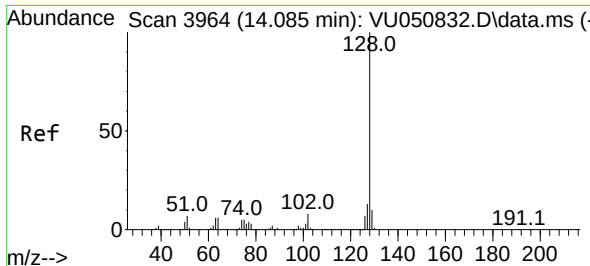
Tgt Ion:180 Resp: 234825
 Ion Ratio Lower Upper
 180 100
 182 97.7 78.2 117.2
 184 31.0 24.8 37.2
 145 31.0 24.8 37.2



#70
 1,2,4-trichlorobenzene
 Concen: 41.725 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050832.D
 Acq: 20 Sep 2022 14:38

Tgt Ion:180 Resp: 195001
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 145 31.4 25.1 37.7

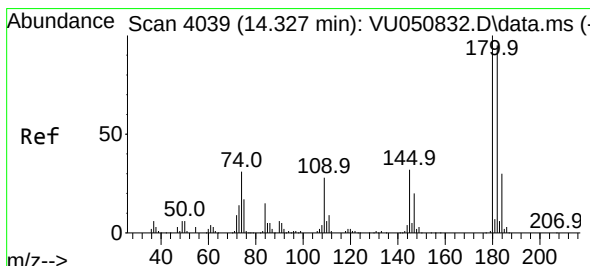
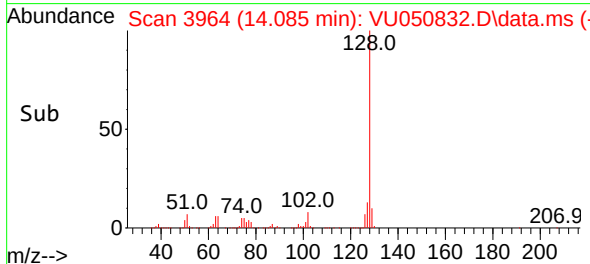
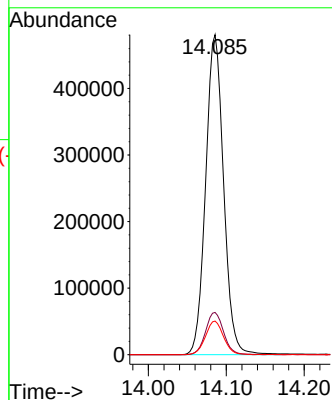
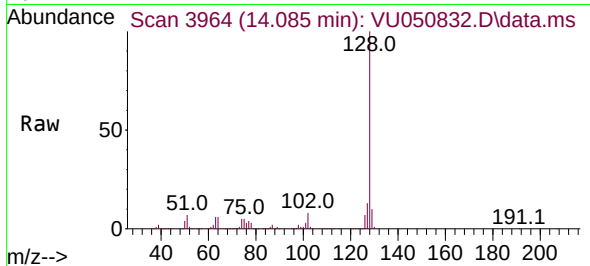




#71
Naphthalene
Concen: 45.490 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050033

Tgt Ion:128 Resp: 770589
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.6 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 43.543 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU050832.D
Acq: 20 Sep 2022 14:38

Tgt Ion:180 Resp: 221157
Ion Ratio Lower Upper
180 100
182 96.1 76.9 115.3
145 32.9 26.3 39.5

