

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050833.D
 Acq On : 20 Sep 2022 15:06
 Operator : JC/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

Quant Time: Sep 21 02:10:38 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	484259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	477479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	245727	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	491251	112.581	ug/L	0.00
7) Chloroethane-d5	1.893	69	332188	112.655	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	769908	103.102	ug/L	0.00
21) 2-Butanone-d5	4.616	46	659542	214.492	ug/L	0.00
24) Chloroform-d	5.060	84	772901	97.932	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	472863	97.709	ug/L	0.00
32) Benzene-d6	5.726	84	1578071	99.328	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	525653	101.187	ug/L	0.00
41) Toluene-d8	7.896	98	1432172	105.089	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	238329	109.130	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	495488	328.903	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	801114	101.213	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	504327	88.264	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	495456	104.510	ug/L	99
3) Chloromethane	1.520	50	540928	103.728	ug/L	100
5) Vinyl chloride	1.601	62	551937	111.307	ug/L	97
6) Bromomethane	1.832	94	287427	113.176	ug/L	98
8) Chloroethane	1.916	64	304715	115.120	ug/L	99
9) Trichlorofluoromethane	2.128	101	596311	101.259	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	390093	101.577	ug/L	99
12) 1,1-Dichloroethene	2.572	96	363734	98.053	ug/L	97
13) Acetone	2.620	43	440126	187.763	ug/L	99
14) Carbon disulfide	2.784	76	1147757	102.709	ug/L	99
15) Methyl Acetate	2.945	43	495969	101.111	ug/L	100
16) Methylene chloride	3.038	84	443471	91.078	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	377810	96.741	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	1213574	100.547	ug/L	99
19) 1,1-Dichloroethane	3.864	63	740593	97.650	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	434992	98.724	ug/L	100
22) 2-Butanone	4.697	43	720141	199.694	ug/L	100
23) Bromochloromethane	4.970	128	213530	93.933	ug/L	99
25) Chloroform	5.086	83	746788	97.170	ug/L	99
27) 1,2-Dichloroethane	5.790	62	568472	99.314	ug/L	99
29) Cyclohexane	5.385	56	714990	110.590	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	618635	96.217	ug/L	98
31) Carbon tetrachloride	5.520	117	516144	97.583	ug/L	100
33) Benzene	5.771	78	1745011	99.804	ug/L	100
34) Trichloroethene	6.539	95	405176	100.052	ug/L	99
35) Methylcyclohexane	6.761	83	724251	111.411	ug/L	98
37) 1,2-Dichloropropane	6.790	63	469328	101.427	ug/L	100
38) Bromodichloromethane	7.105	83	561120	103.318	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	682043	109.144	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1388342	217.907	ug/L	98
42) Toluene	7.967	91	1841682	103.621	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	650735	109.548	ug/L	99

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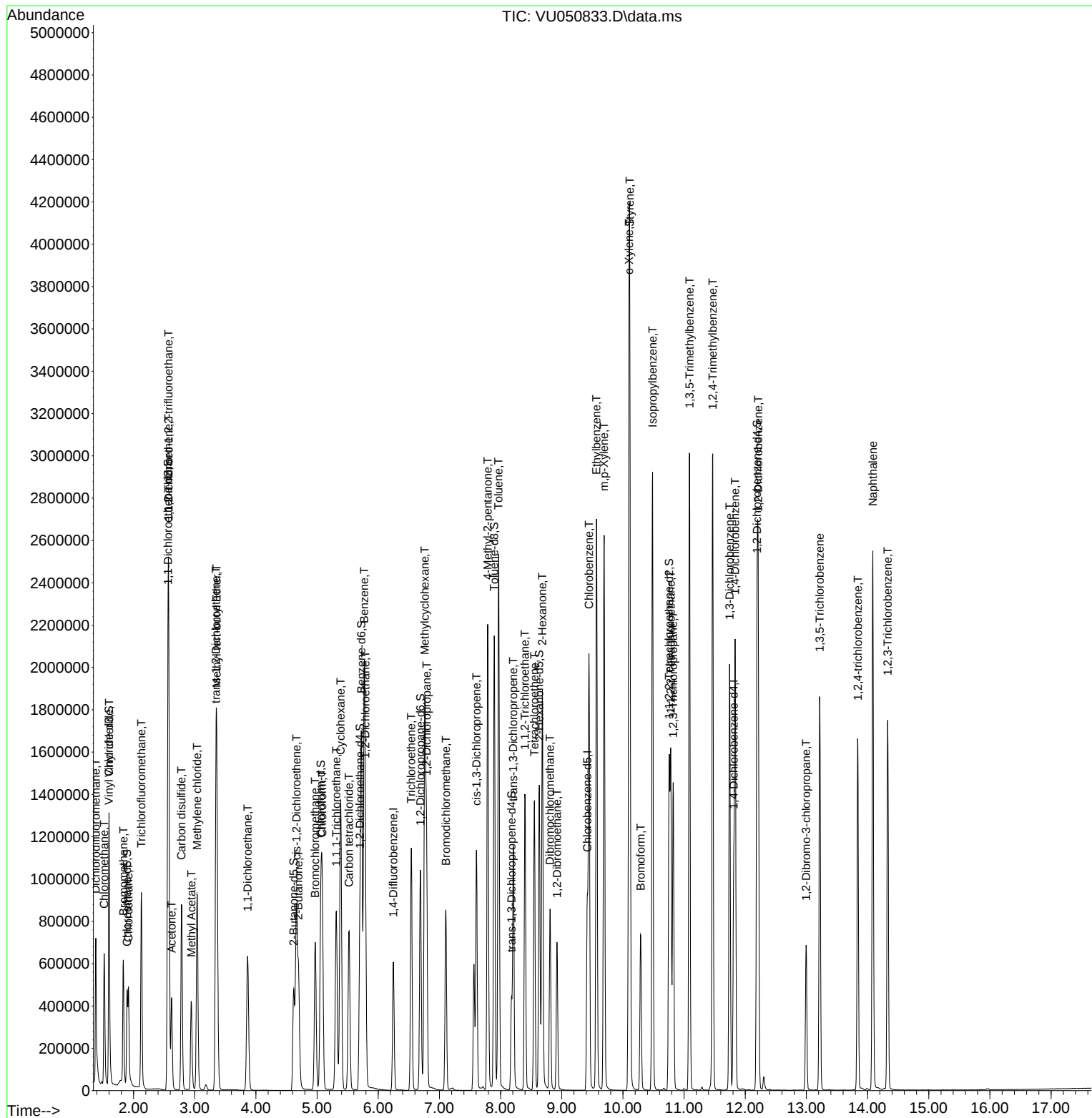
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	436462	98.587	ug/L	99
46) Tetrachloroethene	8.552	164	295090	99.794	ug/L	98
48) 2-Hexanone	8.684	43	1137071	194.542	ug/L	98
49) Dibromochloromethane	8.809	129	438589	103.263	ug/L	99
50) 1,2-Dibromoethane	8.922	107	462678	102.593	ug/L	100
51) Chlorobenzene	9.446	112	1071228	97.987	ug/L	100
52) Ethylbenzene	9.568	91	1900037	108.904	ug/L	100
53) m,p-Xylene	9.693	106	716335	106.379	ug/L	97
54) o-Xylene	10.099	106	718656	108.108	ug/L	99
55) Styrene	10.111	104	1255322	113.485	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	811464	101.635	ug/L	100
59) Bromoform	10.291	173	332637	90.202	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	618982	85.704	ug/L	99
61) Isopropylbenzene	10.484	105	1841414	95.116	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1594762	96.775	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	1599703	100.449	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	800937	93.605	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	810562	95.848	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	830606	91.378	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	179352	92.394	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	570410	93.137	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	487105	93.119	ug/L	99
71) Naphthalene	14.086	128	1917558	101.136	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	532921	93.742	ug/L	100

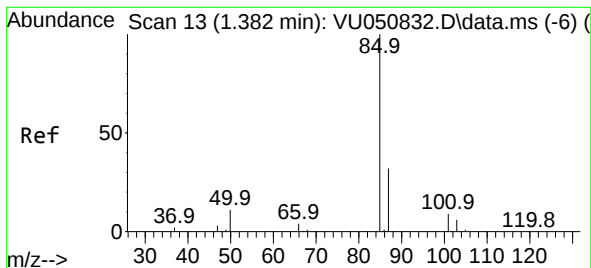
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#2

Dichlorodifluoromethane

Concen: 104.510 ug/L

RT: 1.382 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

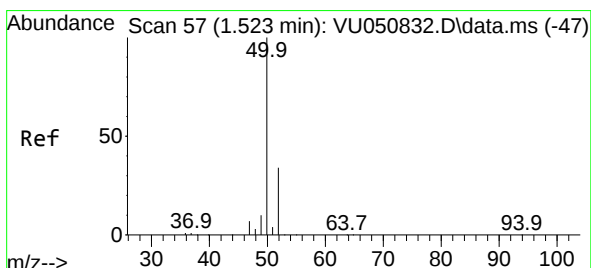
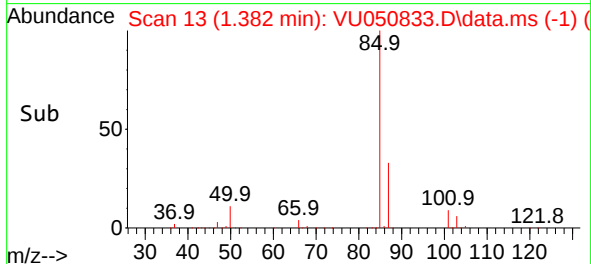
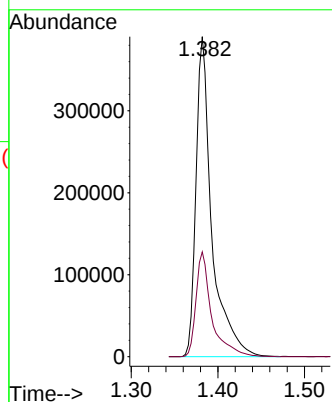
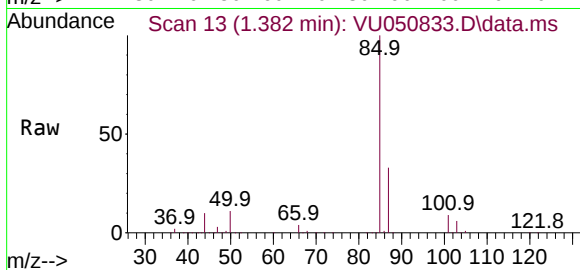
VSTD100034

Tgt Ion: 85 Resp: 495456

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



#3

Chloromethane

Concen: 103.728 ug/L

RT: 1.520 min Scan# 56

Delta R.T. -0.003 min

Lab File: VU050833.D

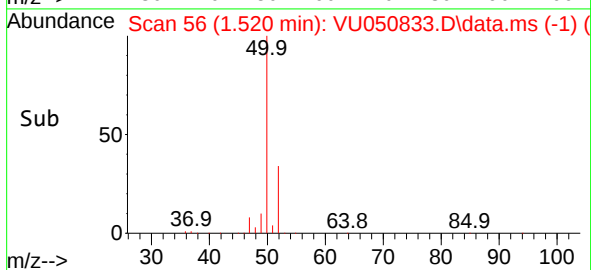
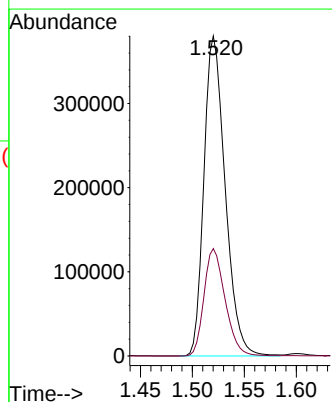
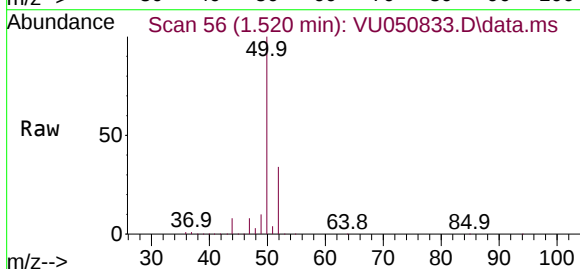
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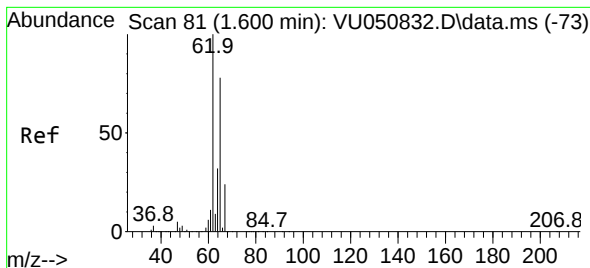
Tgt Ion: 50 Resp: 540928

Ion Ratio Lower Upper

50 100

52 33.5 23.7 43.9

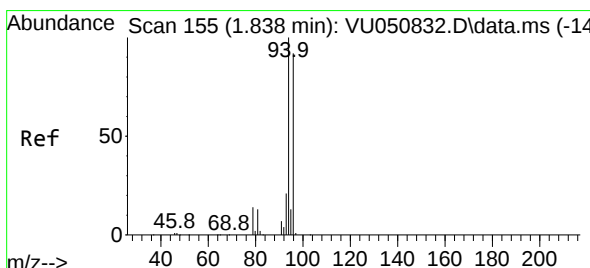
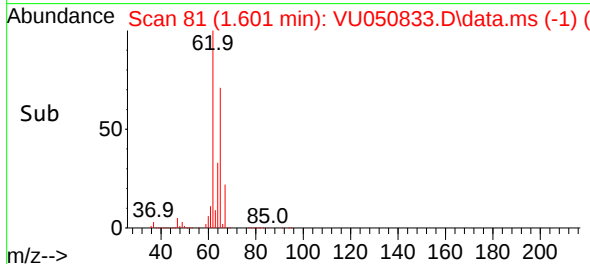
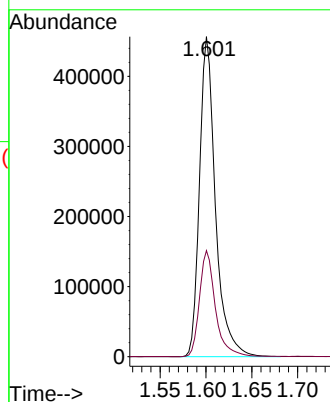
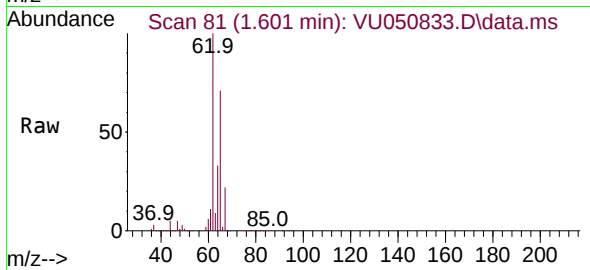




#5
 Vinyl chloride
 Concen: 111.307 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

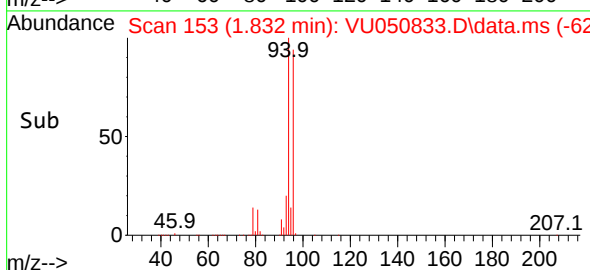
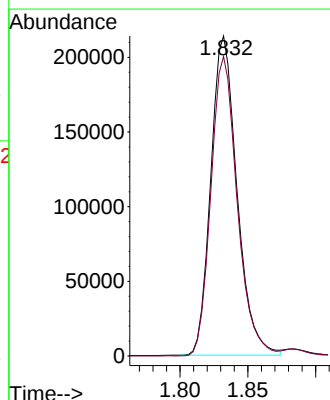
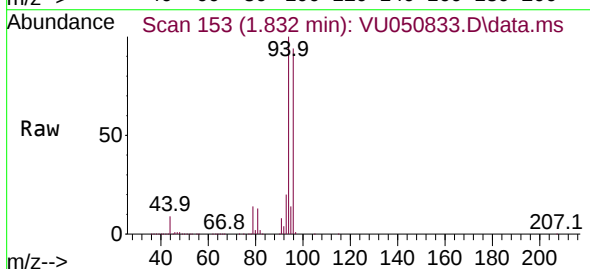
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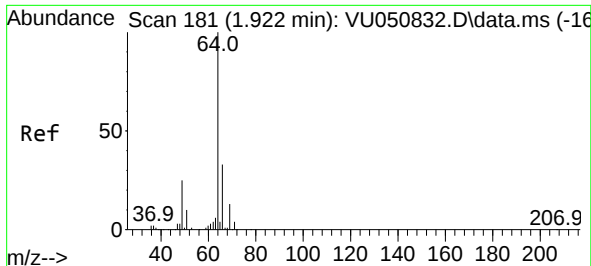
Tgt Ion: 62 Resp: 551937
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.2 41.2



#6
 Bromomethane
 Concen: 113.176 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.006 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

Tgt Ion: 94 Resp: 287427
 Ion Ratio Lower Upper
 94 100
 96 93.6 64.0 119.0

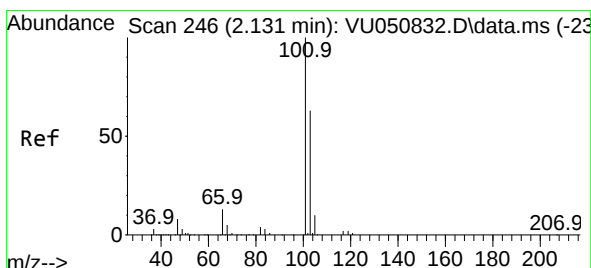
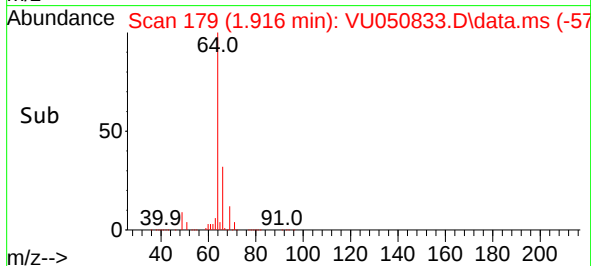
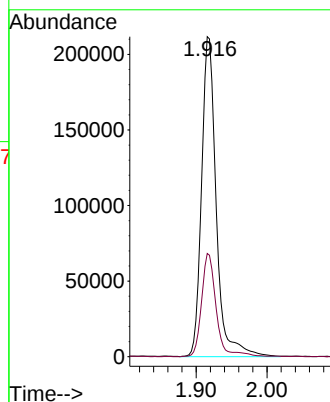
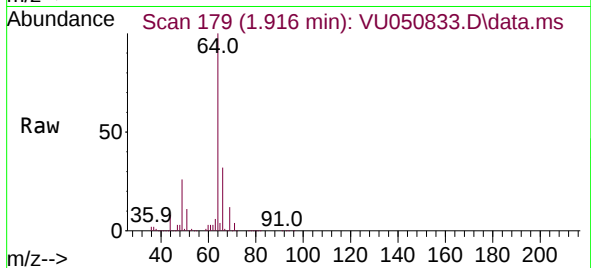




#8
Chloroethane
Concen: 115.120 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

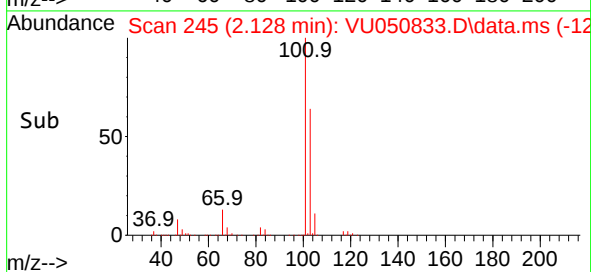
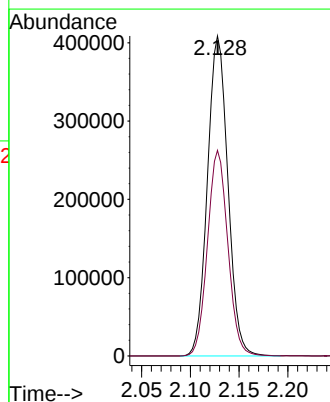
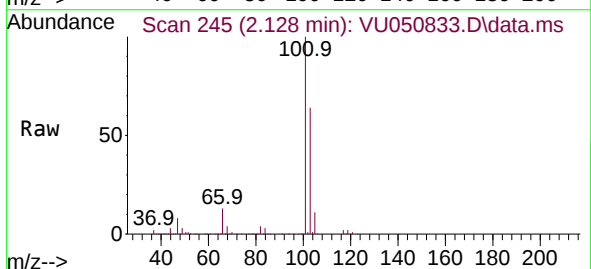
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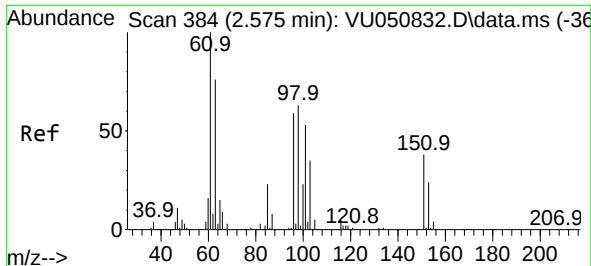
Tgt Ion: 64 Resp: 304715
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 101.259 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 101 Resp: 596311
Ion Ratio Lower Upper
101 100
103 63.8 50.9 76.3

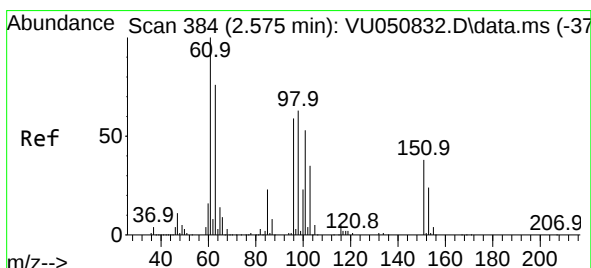
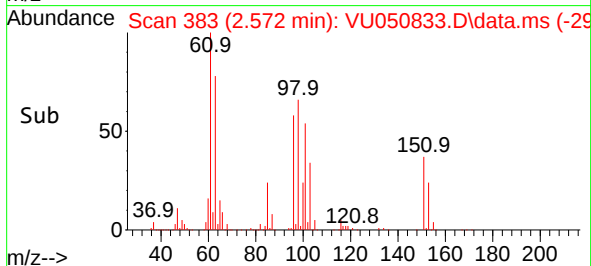
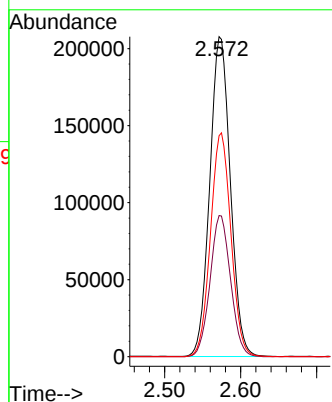
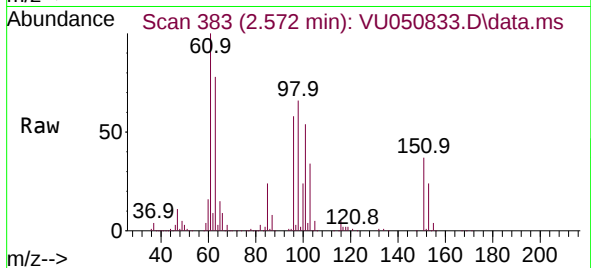




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 101.577 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

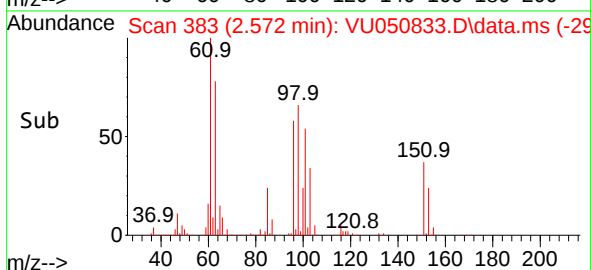
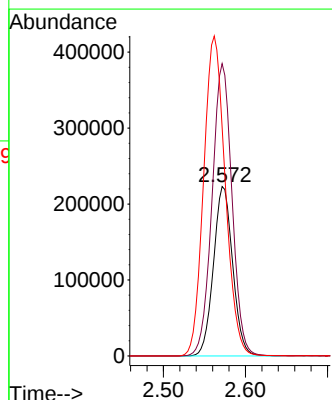
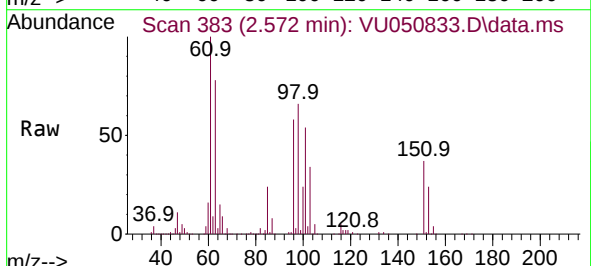
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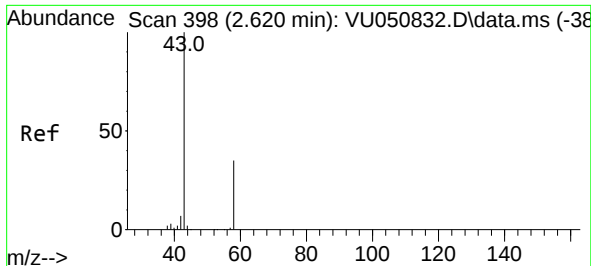
Tgt Ion:101 Resp: 390093
Ion Ratio Lower Upper
101 100
85 43.9 35.1 52.7
151 69.6 56.6 84.8



#12
1,1-Dichloroethene
Concen: 98.053 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 96 Resp: 363734
Ion Ratio Lower Upper
96 100
61 172.4 118.6 220.2
63 135.0 90.4 168.0





#13

Acetone

Concen: 187.763 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

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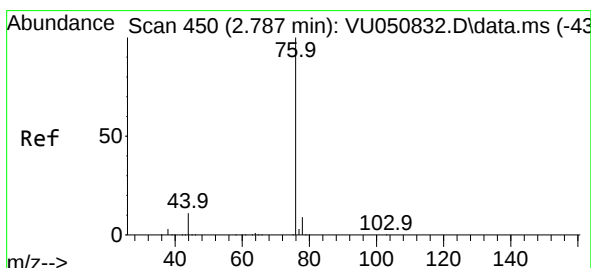
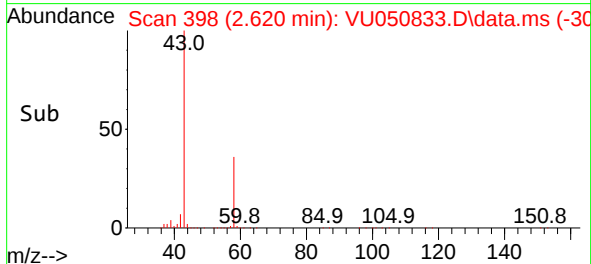
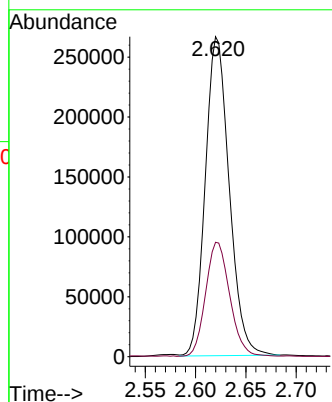
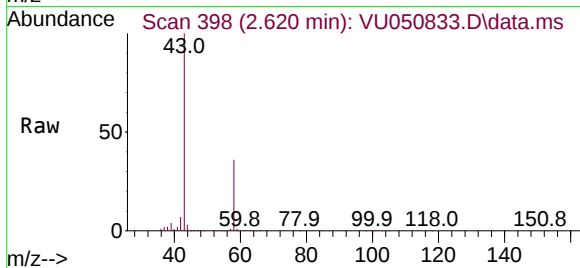
VSTD100034

Tgt Ion: 43 Resp: 440126

Ion Ratio Lower Upper

43 100

58 36.2 0.0 71.4



#14

Carbon disulfide

Concen: 102.709 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.003 min

Lab File: VU050833.D

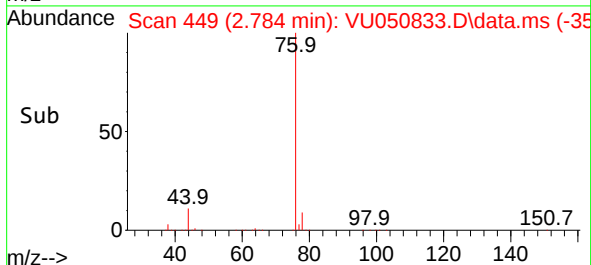
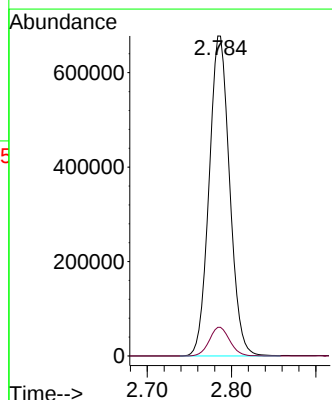
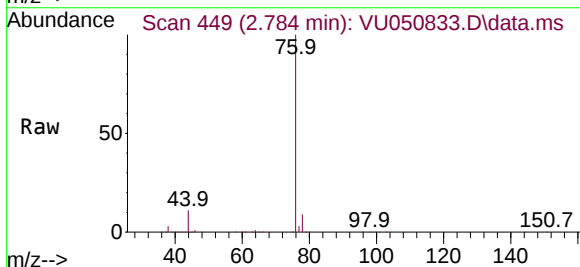
Acq: 20 Sep 2022 15:06

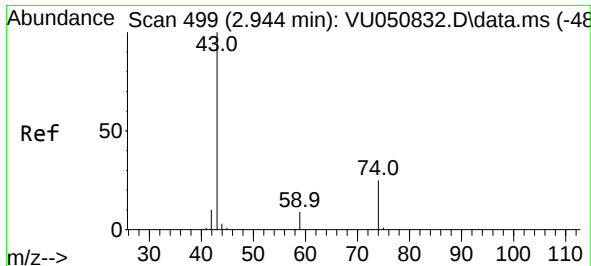
Tgt Ion: 76 Resp: 1147757

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

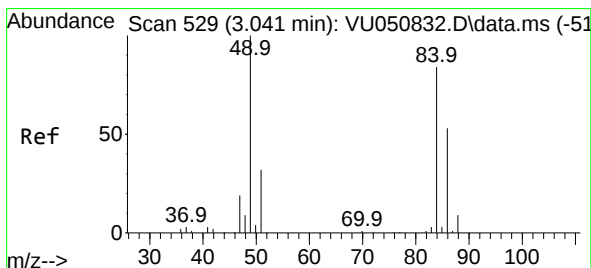
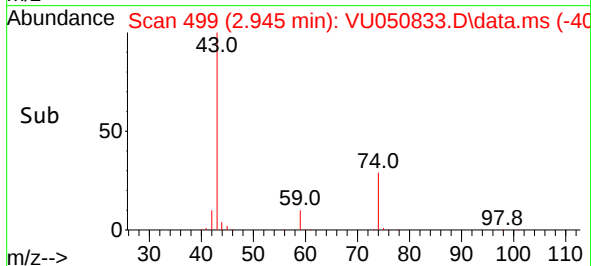
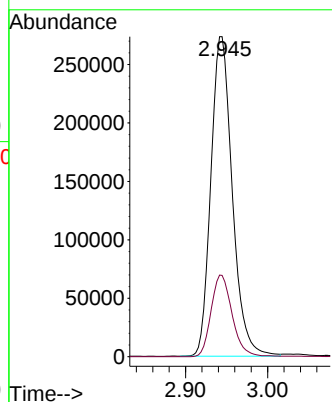
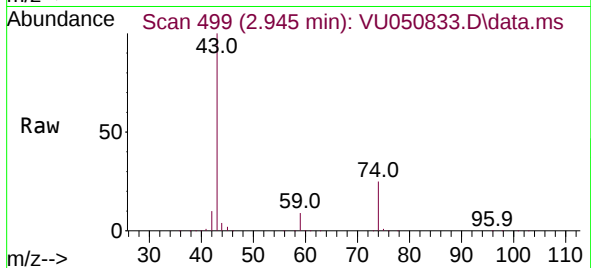




#15
Methyl Acetate
Concen: 101.111 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

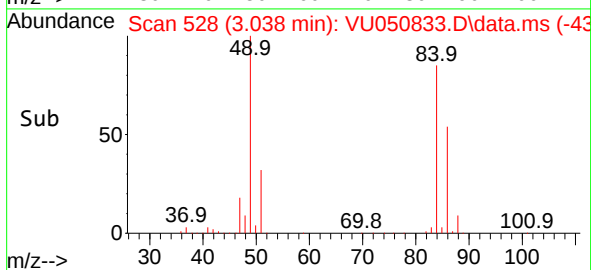
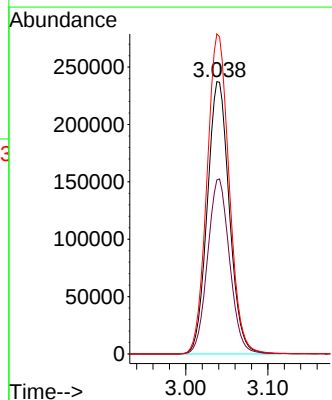
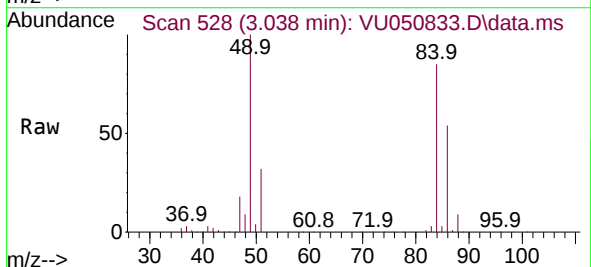
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

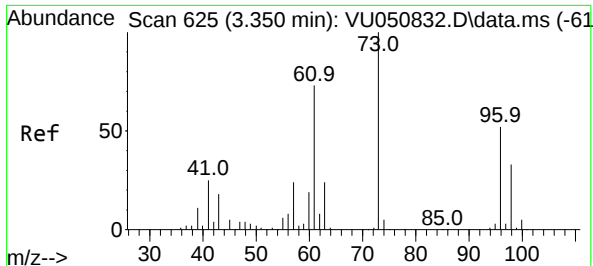
Tgt Ion: 43 Resp: 495969
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



#16
Methylene chloride
Concen: 91.078 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 84 Resp: 443471
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 117.5 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 96.741 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

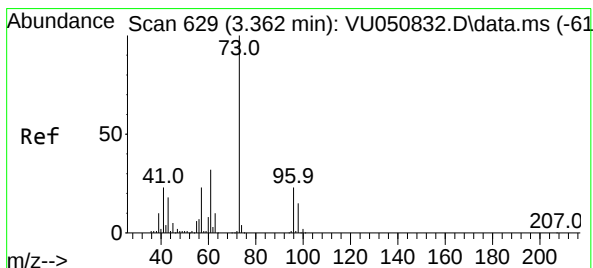
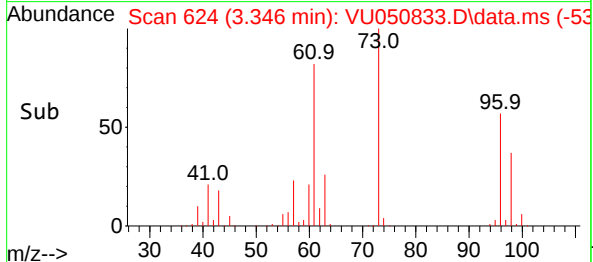
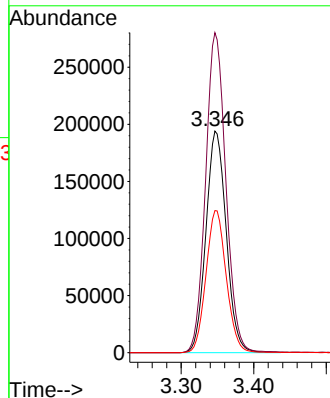
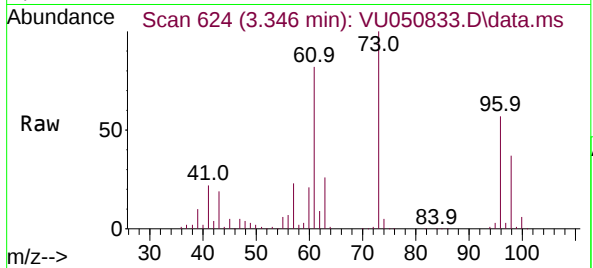
Tgt Ion: 96 Resp: 377810

Ion Ratio Lower Upper

96 100

61 144.4 98.0 182.0

98 64.1 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 100.547 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

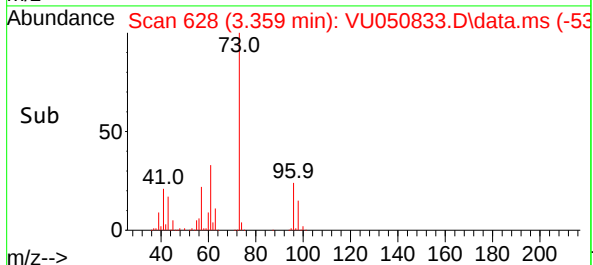
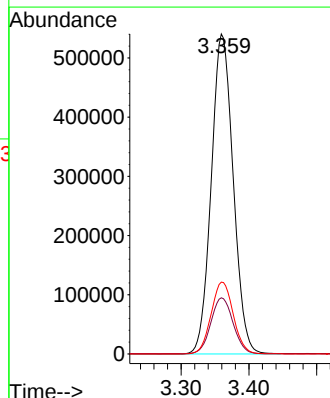
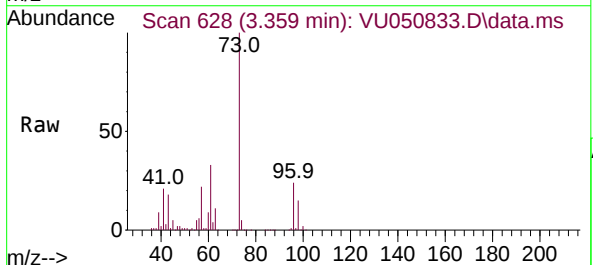
Tgt Ion: 73 Resp: 1213574

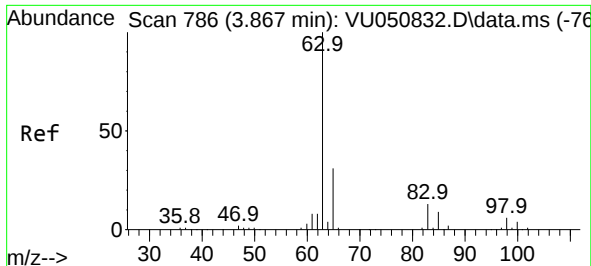
Ion Ratio Lower Upper

73 100

43 17.7 14.4 21.6

57 22.7 18.6 27.8





#19

1,1-Dichloroethane

Concen: 97.650 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

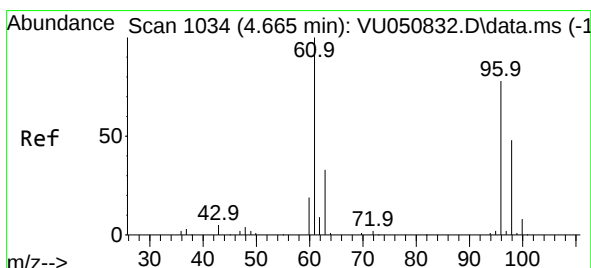
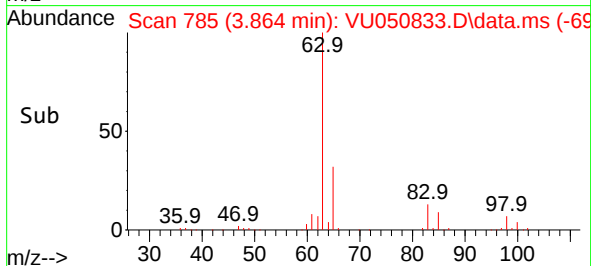
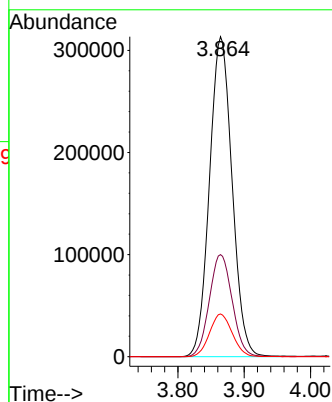
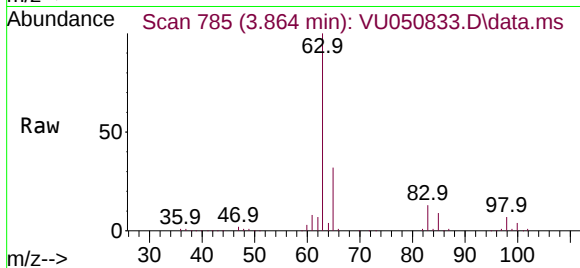
Tgt Ion: 63 Resp: 740593

Ion Ratio Lower Upper

63 100

65 31.9 21.5 39.9

83 13.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 98.724 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

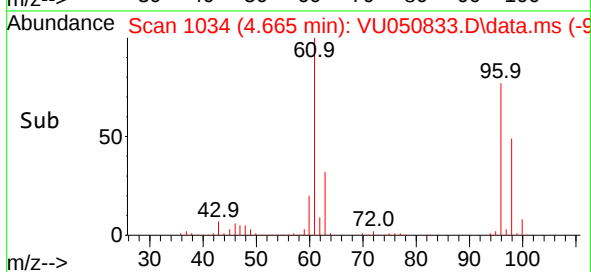
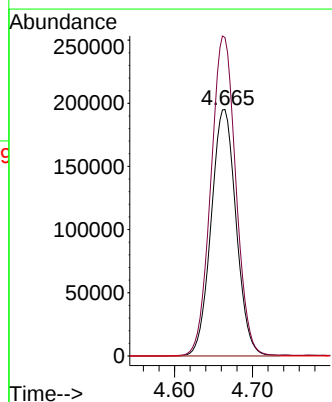
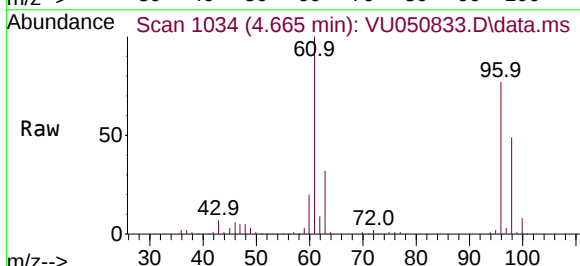
Tgt Ion: 96 Resp: 434992

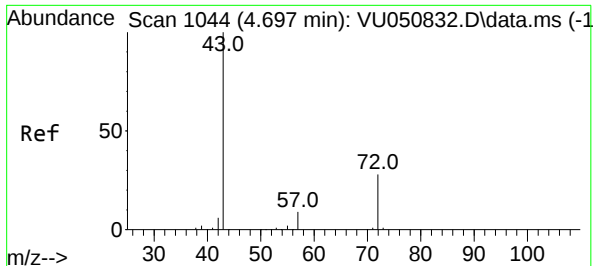
Ion Ratio Lower Upper

96 100

61 129.3 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 199.694 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

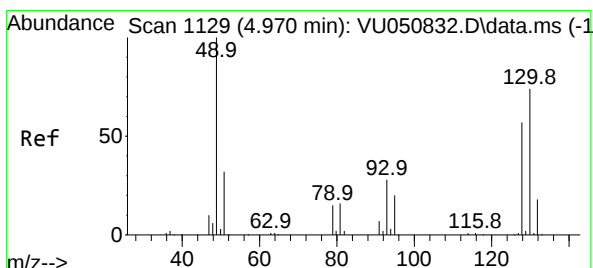
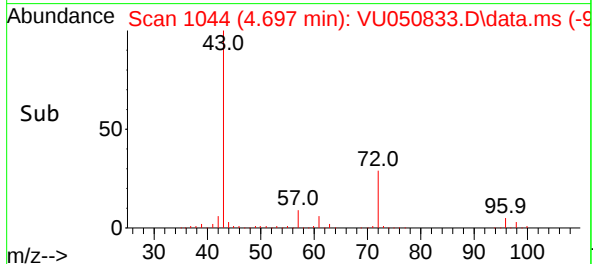
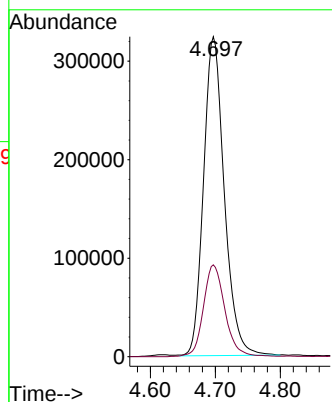
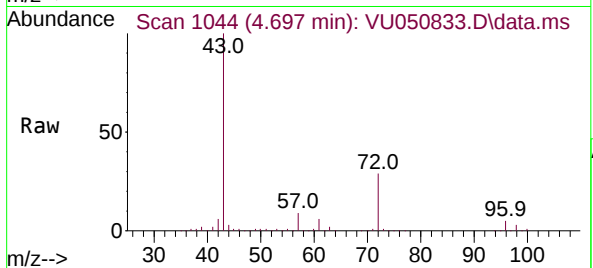
VSTD100034

Tgt Ion: 43 Resp: 720141

Ion Ratio Lower Upper

43 100

72 29.7 14.8 44.3



#23

Bromochloromethane

Concen: 93.933 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Tgt Ion:128 Resp: 213530

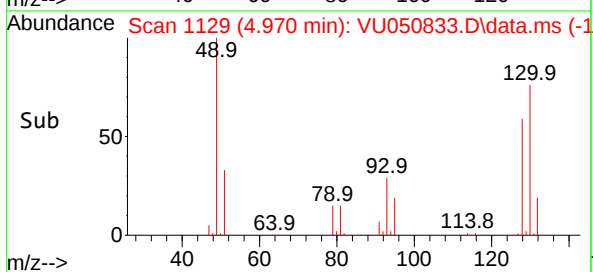
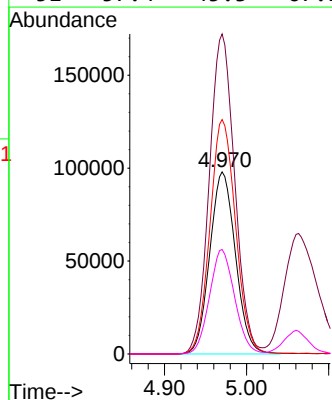
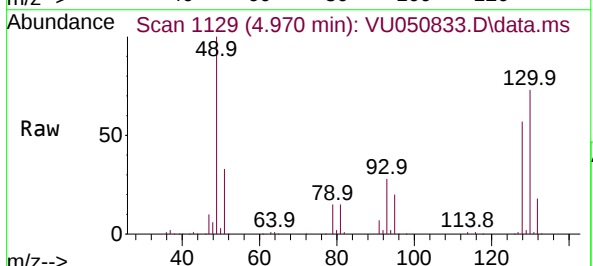
Ion Ratio Lower Upper

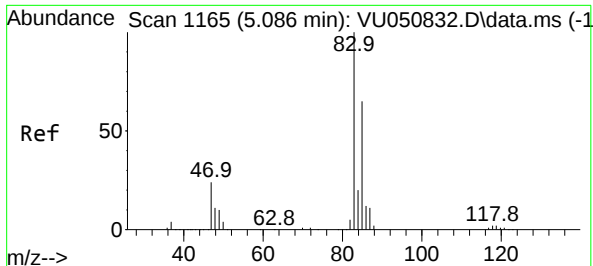
128 100

49 175.7 123.1 228.5

130 128.8 90.9 168.7

51 57.4 45.3 67.9





#25

Chloroform

Concen: 97.170 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

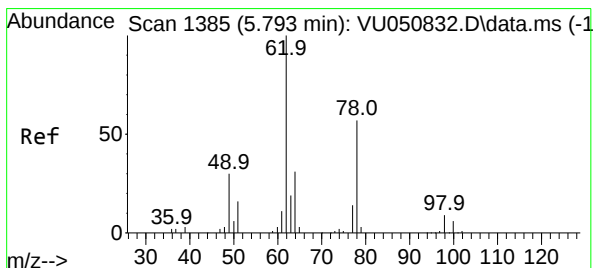
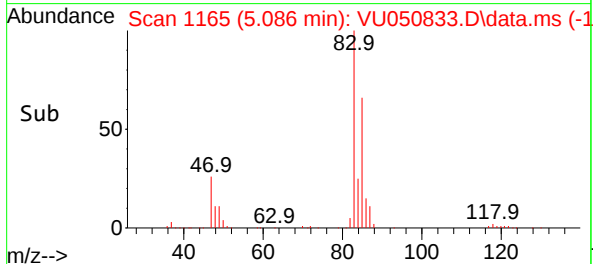
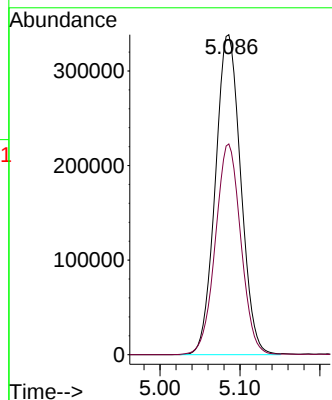
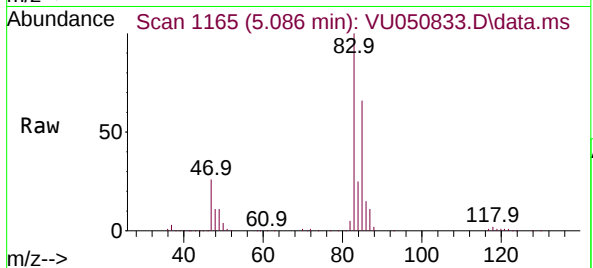
VSTD100034

Tgt Ion: 83 Resp: 746788

Ion Ratio Lower Upper

83 100

85 65.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 99.314 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050833.D

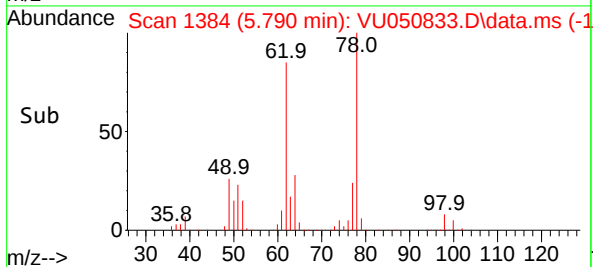
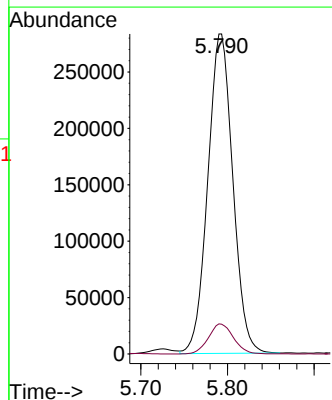
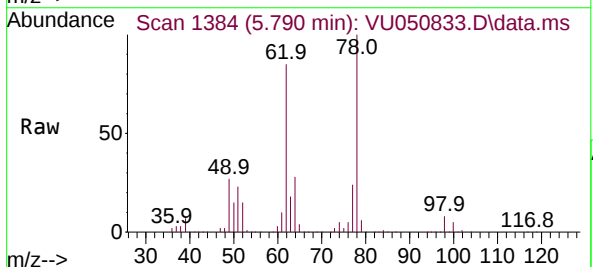
Acq: 20 Sep 2022 15:06

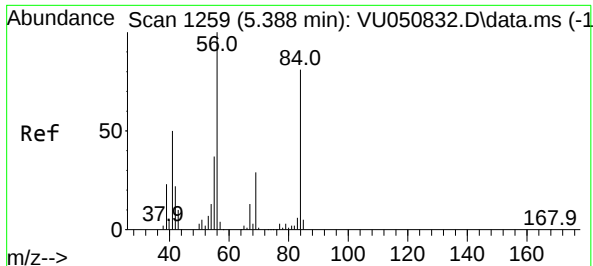
Tgt Ion: 62 Resp: 568472

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0





#29

Cyclohexane

Concen: 110.590 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

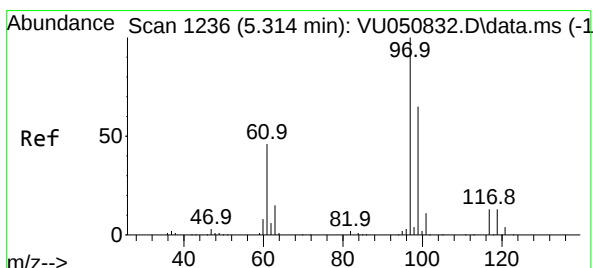
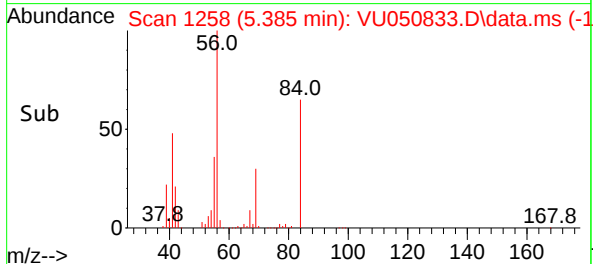
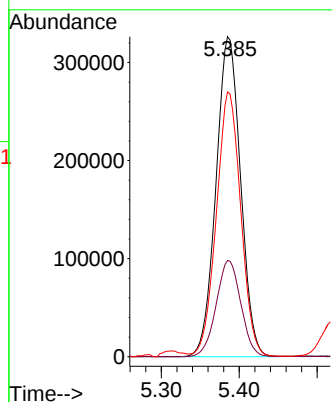
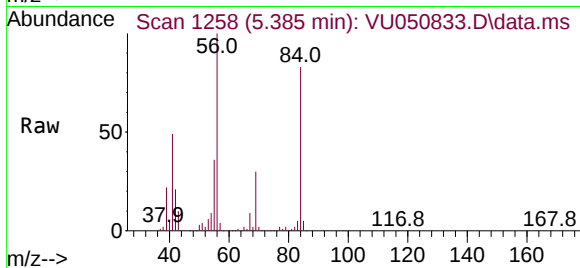
Tgt Ion: 56 Resp: 714990

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.4

84 81.8 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 96.217 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

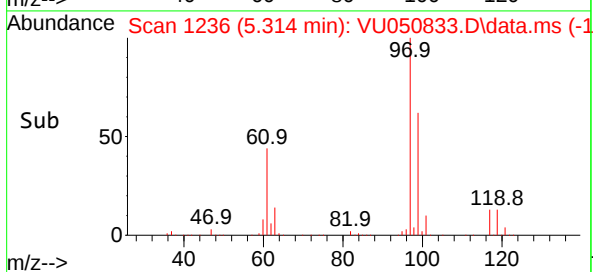
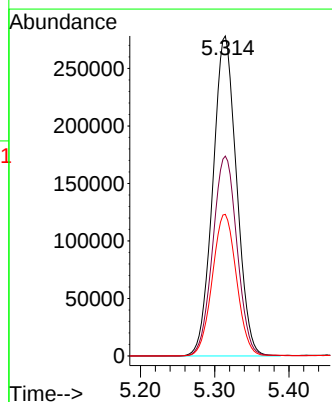
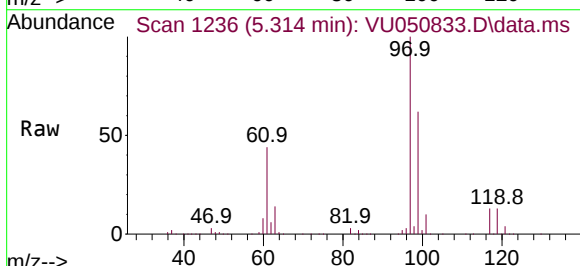
Tgt Ion: 97 Resp: 618635

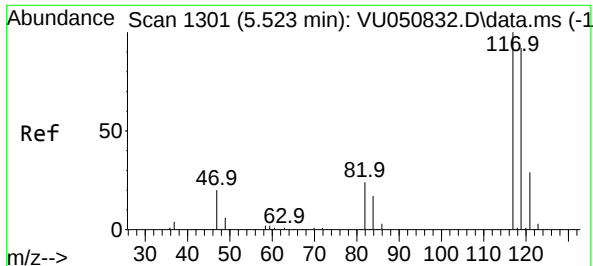
Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.2

61 45.0 37.1 55.7

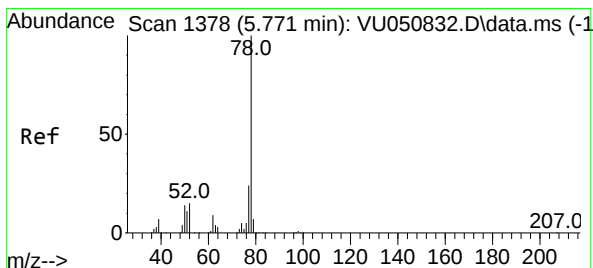
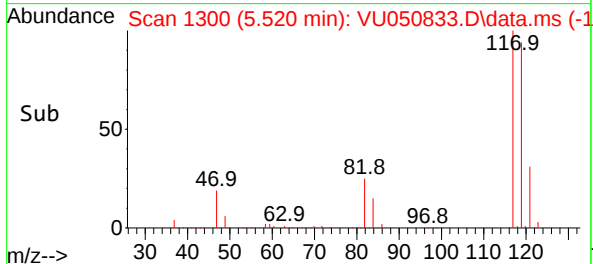
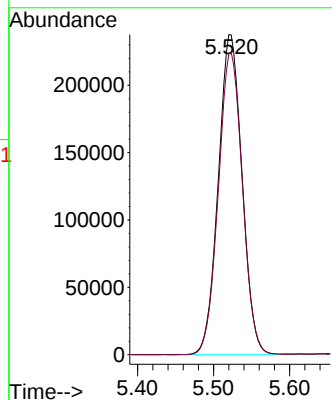
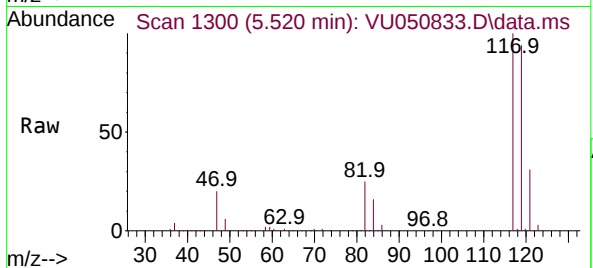




#31
Carbon tetrachloride
Concen: 97.583 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

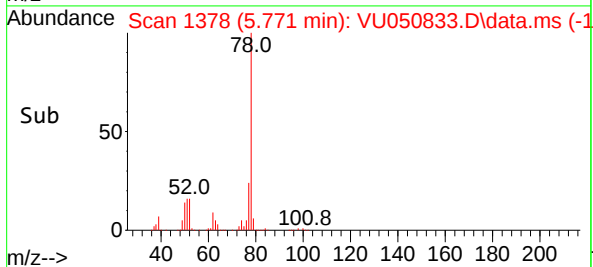
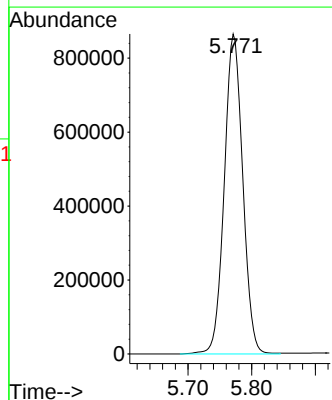
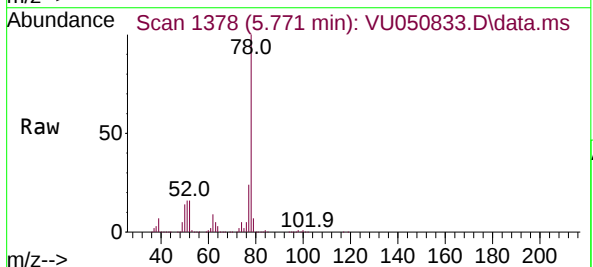
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

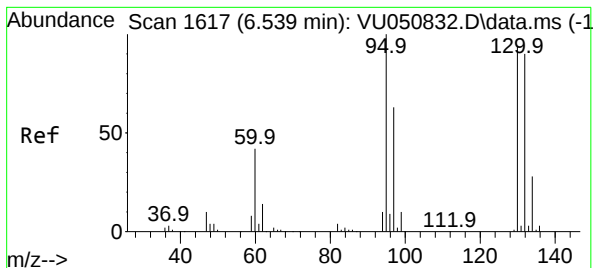
Tgt Ion:117 Resp: 516144
Ion Ratio Lower Upper
117 100
119 95.4 76.0 114.0



#33
Benzene
Concen: 99.804 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 78 Resp: 1745011





#34

Trichloroethene

Concen: 100.052 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

Tgt Ion: 95 Resp: 405176

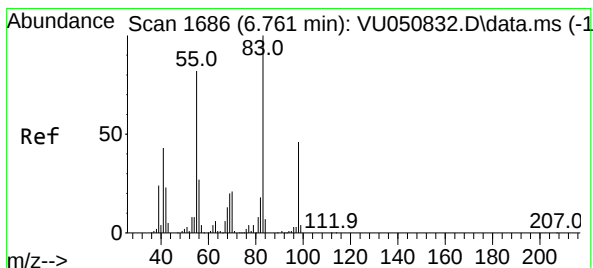
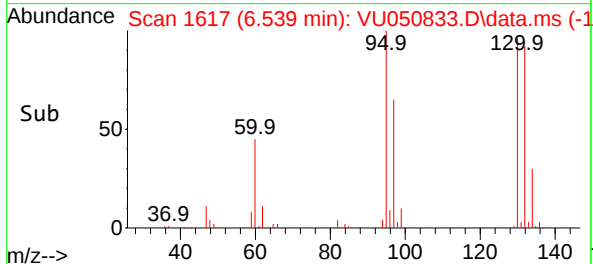
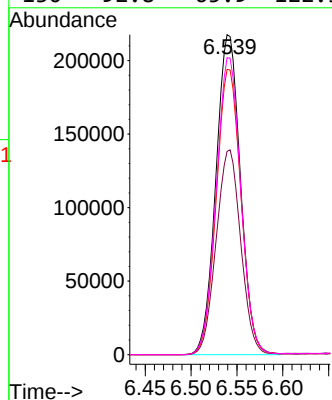
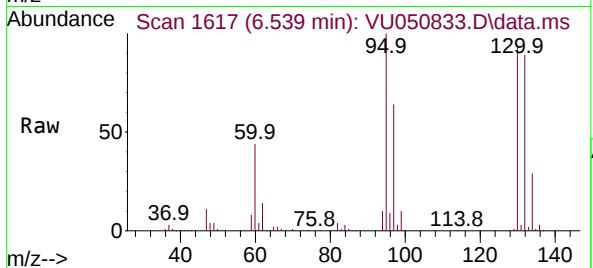
Ion Ratio Lower Upper

95 100

97 63.6 43.9 81.5

132 89.1 63.1 117.1

130 92.8 65.9 122.3



#35

Methylcyclohexane

Concen: 111.411 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

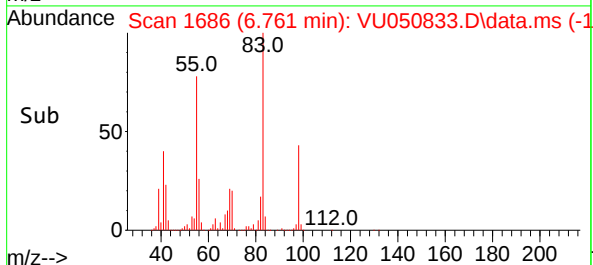
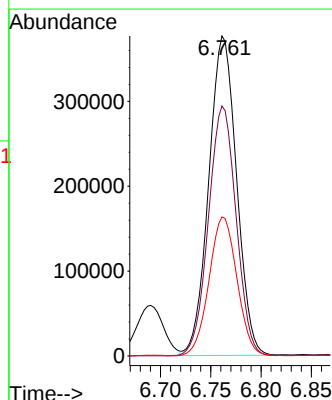
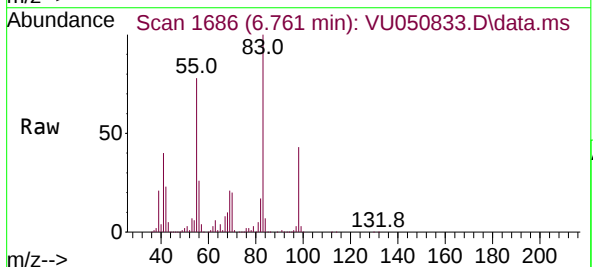
Tgt Ion: 83 Resp: 724251

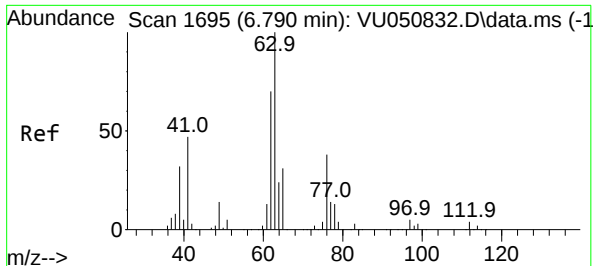
Ion Ratio Lower Upper

83 100

55 77.7 64.7 97.1

98 43.8 35.2 52.8





#37

1,2-Dichloropropane

Concen: 101.427 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

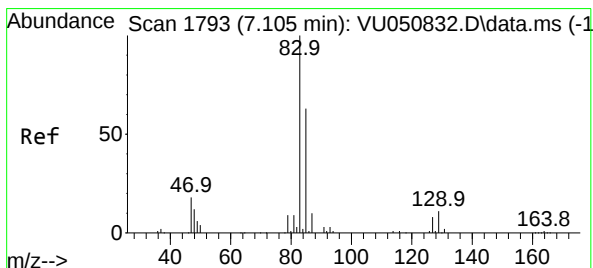
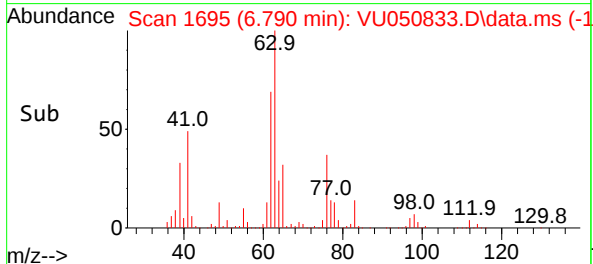
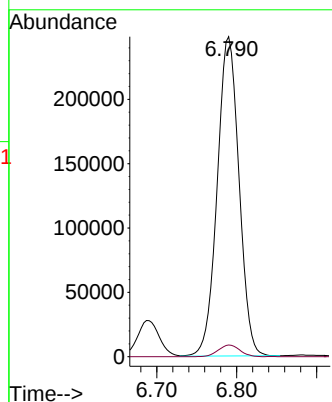
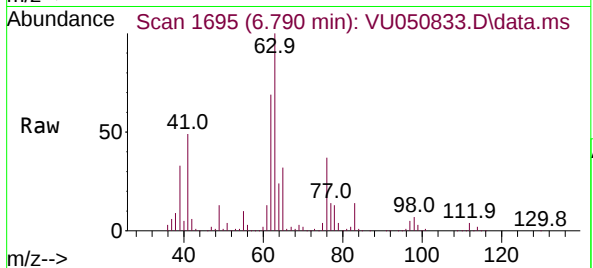
VSTD100034

Tgt Ion: 63 Resp: 469328

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 103.318 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

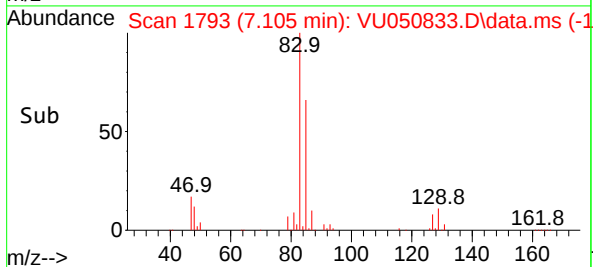
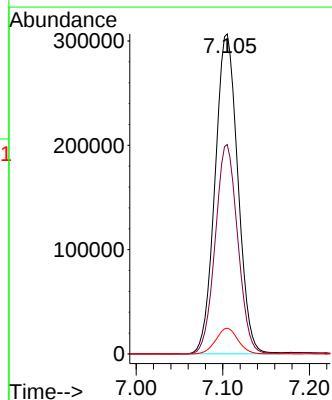
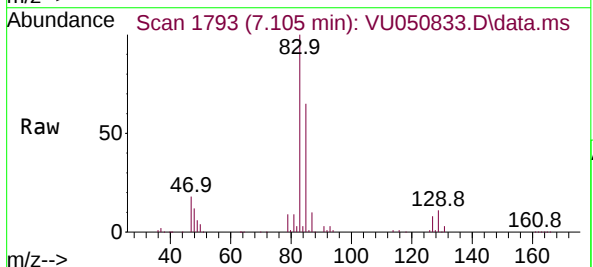
Tgt Ion: 83 Resp: 561120

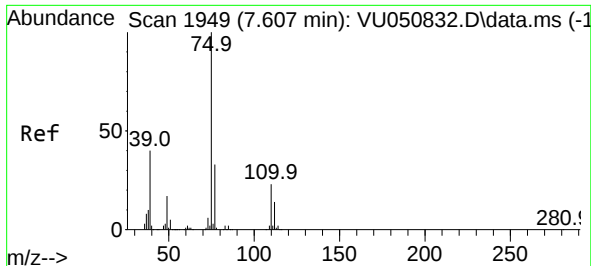
Ion Ratio Lower Upper

83 100

85 65.5 44.3 82.3

127 8.1 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 109.144 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

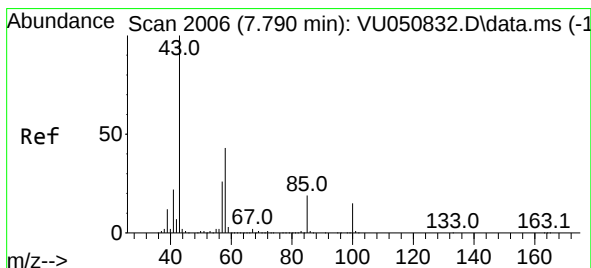
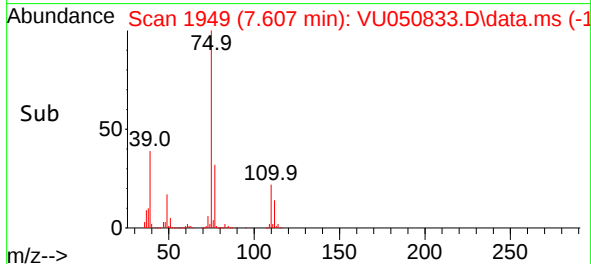
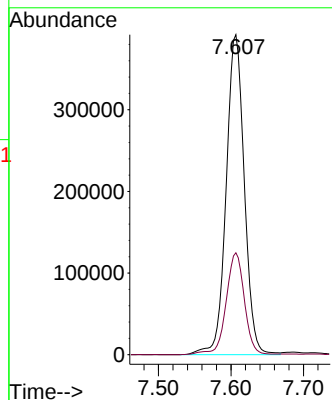
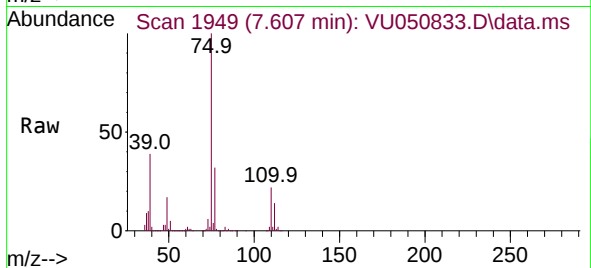
VSTD100034

Tgt Ion: 75 Resp: 682043

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 217.907 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

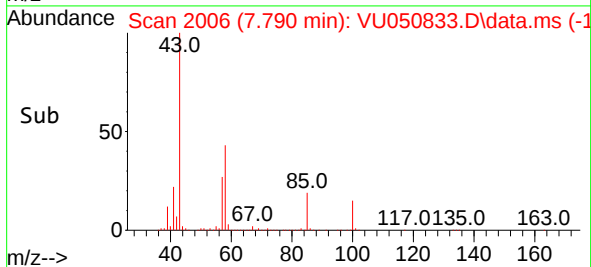
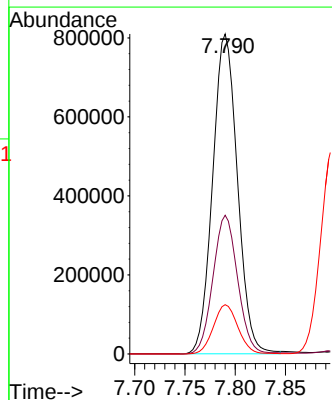
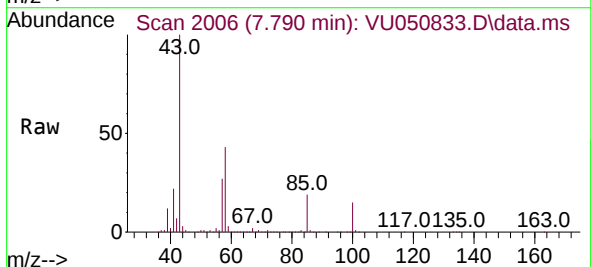
Tgt Ion: 43 Resp: 1388342

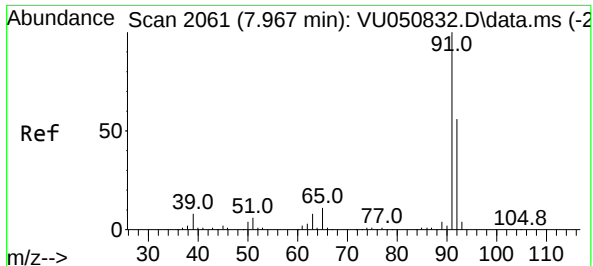
Ion Ratio Lower Upper

43 100

58 43.4 33.8 50.6

100 15.3 12.0 18.0





#42

Toluene

Concen: 103.621 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

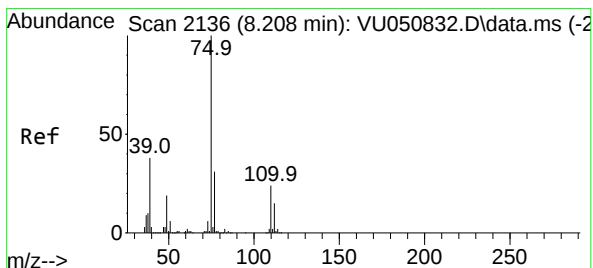
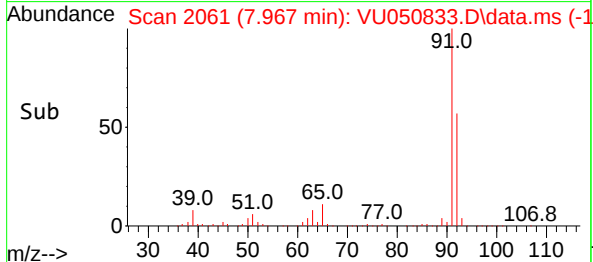
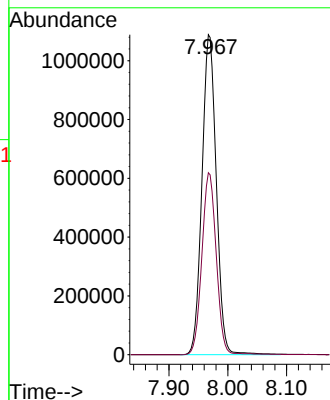
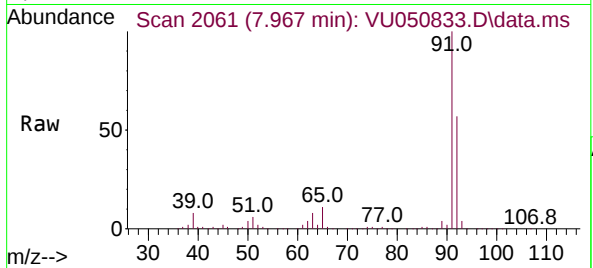
VSTD100034

Tgt Ion: 91 Resp: 1841682

Ion Ratio Lower Upper

91 100

92 56.8 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 109.548 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU050833.D

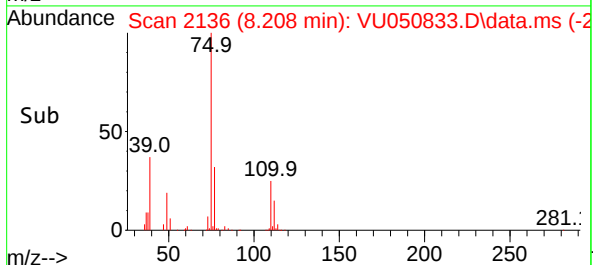
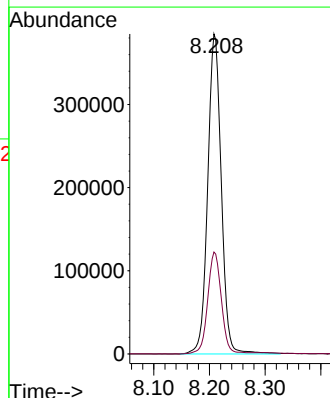
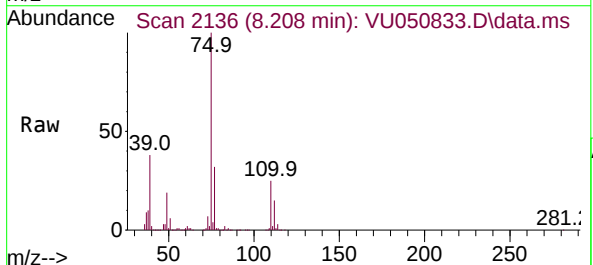
Acq: 20 Sep 2022 15:06

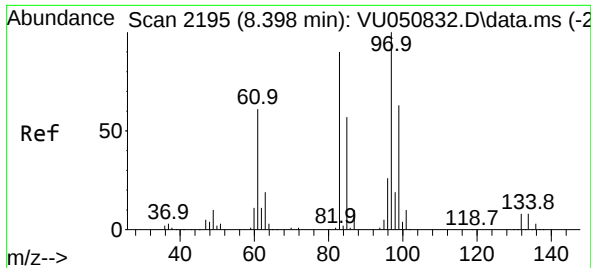
Tgt Ion: 75 Resp: 650735

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7

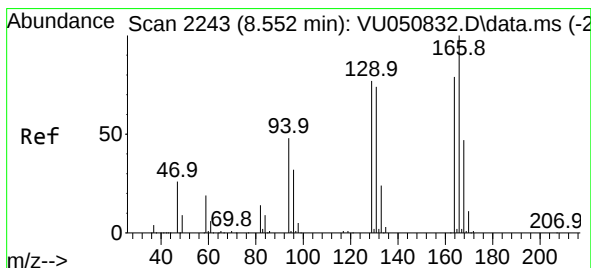
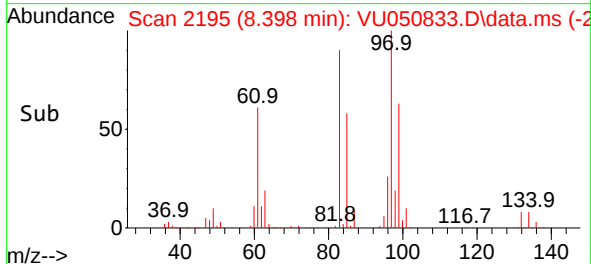
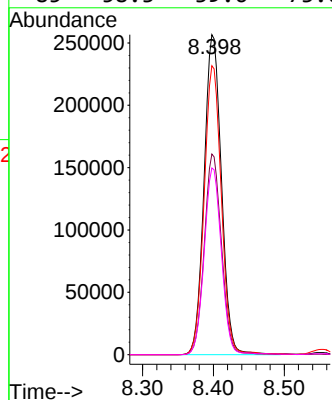
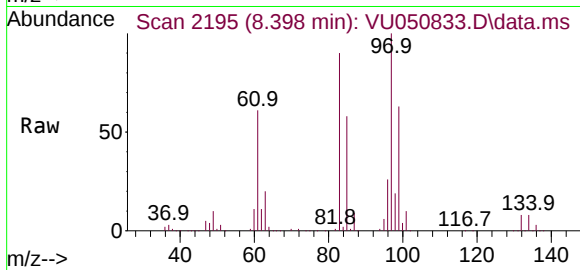




#45
1,1,2-Trichloroethane
Concen: 98.587 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

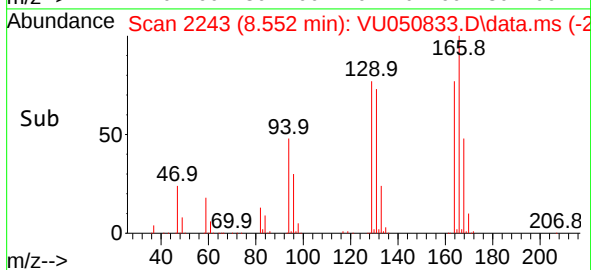
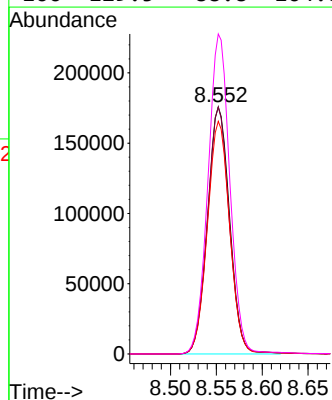
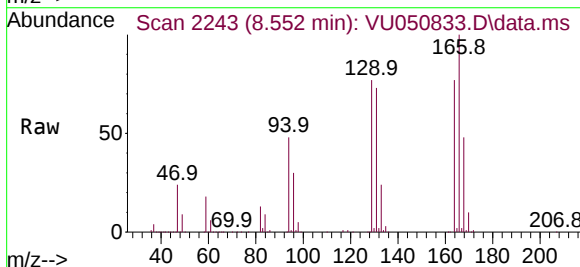
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

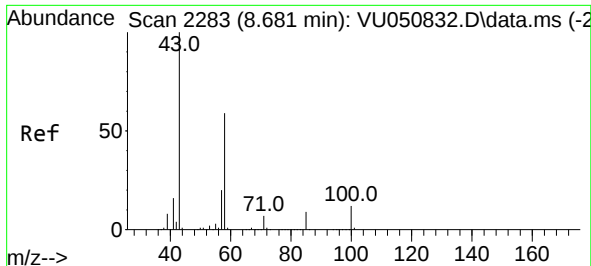
Tgt Ion:	97	Resp:	436462
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.4
83	90.3	62.6	116.3
85	58.3	39.6	73.6



#46
Tetrachloroethene
Concen: 99.794 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion:	164	Resp:	295090
Ion	Ratio	Lower	Upper
164	100		
129	99.9	68.5	127.3
131	94.2	66.1	122.7
166	129.5	88.8	164.8



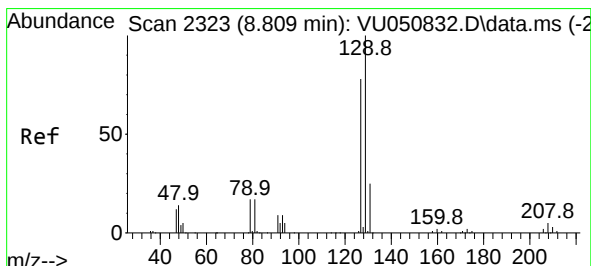
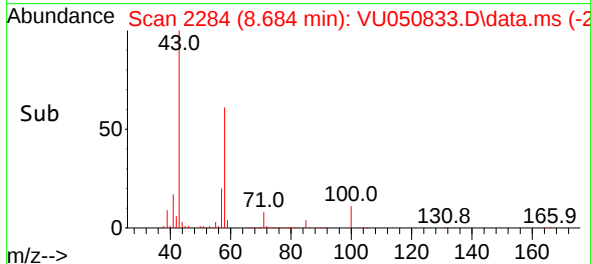
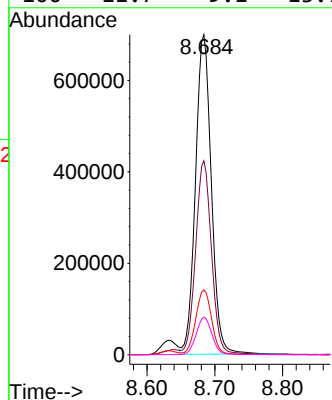
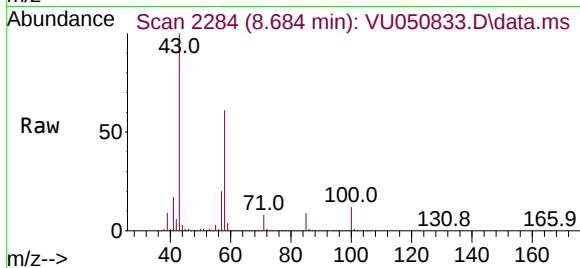


#48
2-Hexanone
Concen: 194.542 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

Tgt Ion: 43 Resp: 1137071

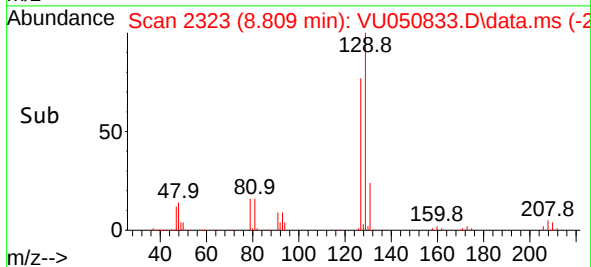
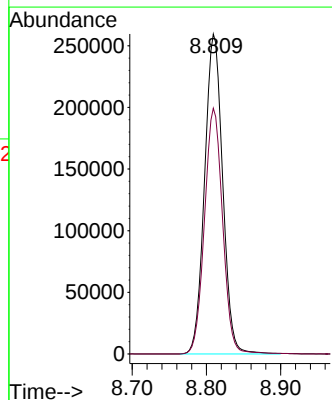
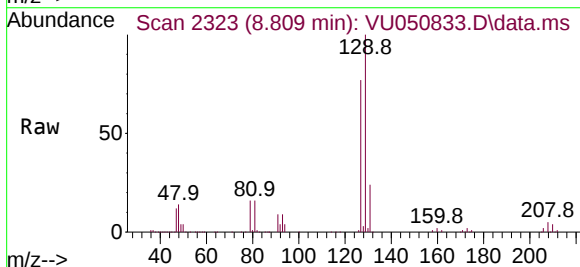
Ion	Ratio	Lower	Upper
43	100		
58	60.6	47.2	70.8
57	20.2	16.2	24.4
100	11.7	9.1	13.7

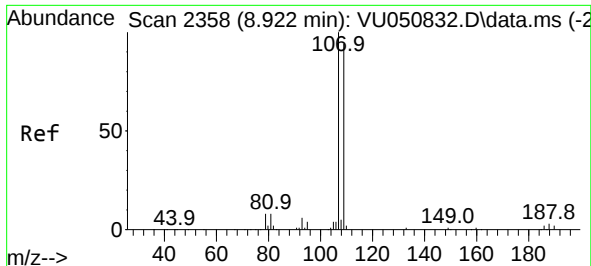


#49
Dibromochloromethane
Concen: 103.263 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 129 Resp: 438589

Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.5	101.1

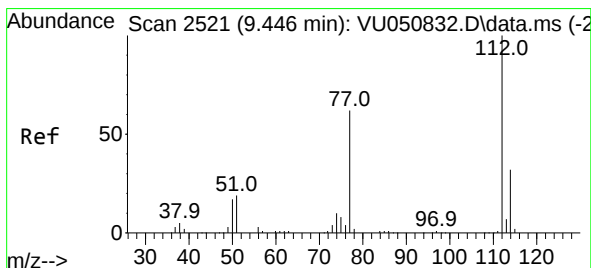
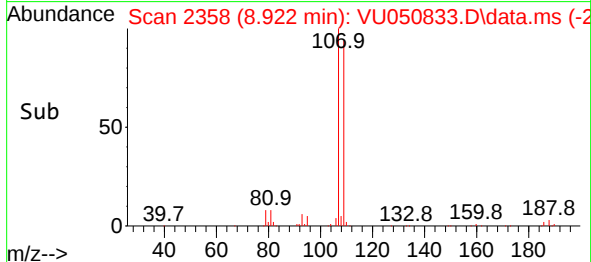
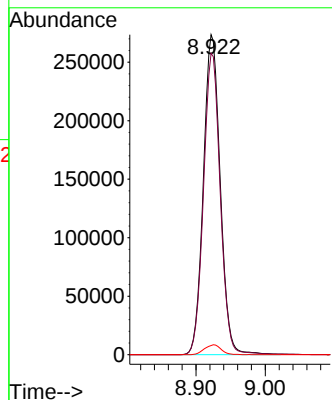
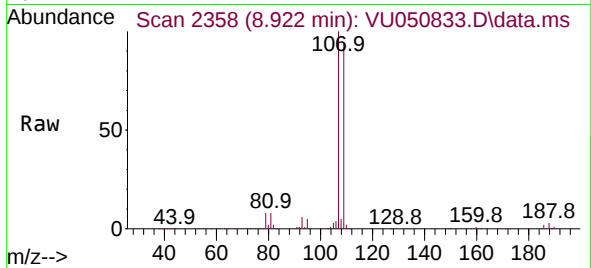




#50
1,2-Dibromoethane
Concen: 102.593 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

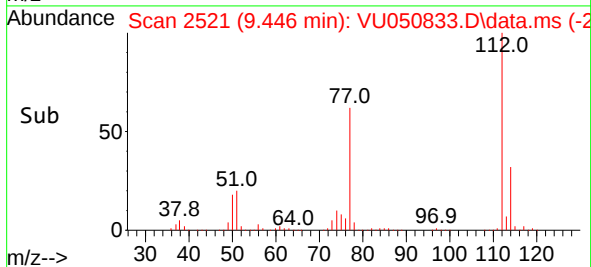
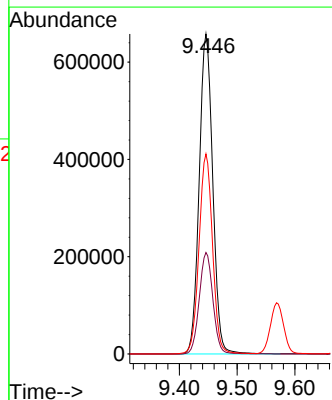
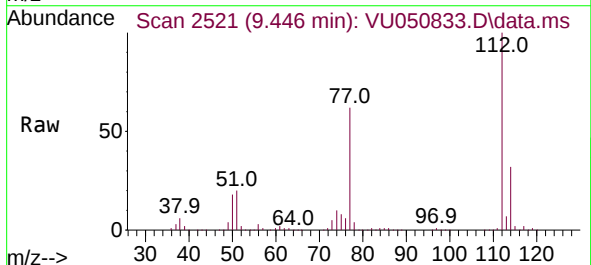
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

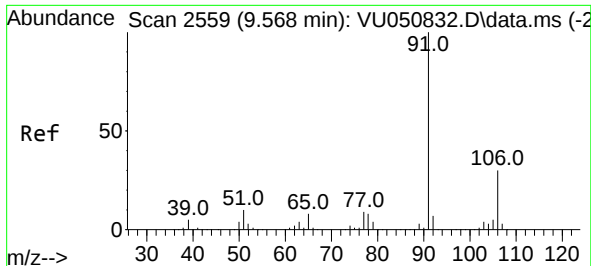
Tgt Ion:107 Resp: 462678
Ion Ratio Lower Upper
107 100
109 94.2 66.0 122.6
188 2.9 2.5 3.7



#51
Chlorobenzene
Concen: 97.987 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion:112 Resp: 1071228
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 62.5 49.8 74.8

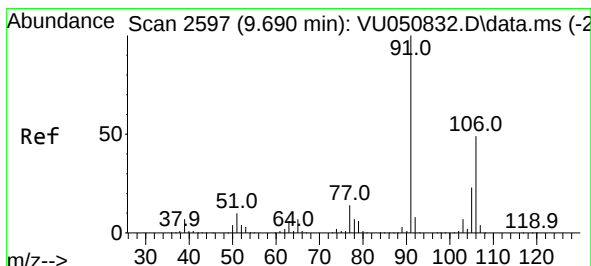
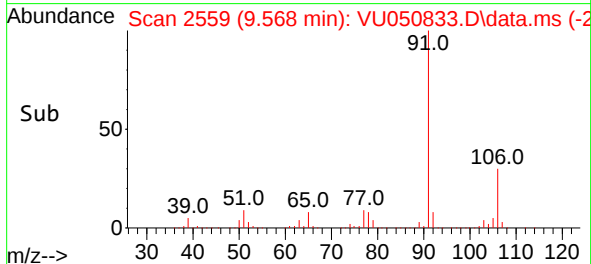
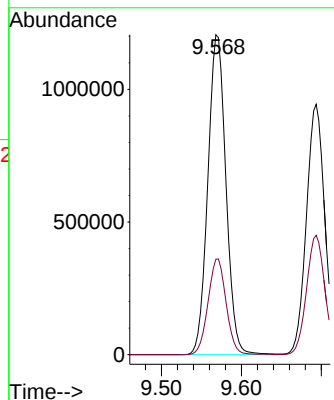
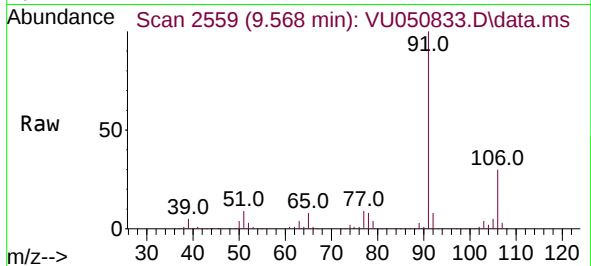




#52
Ethylbenzene
Concen: 108.904 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

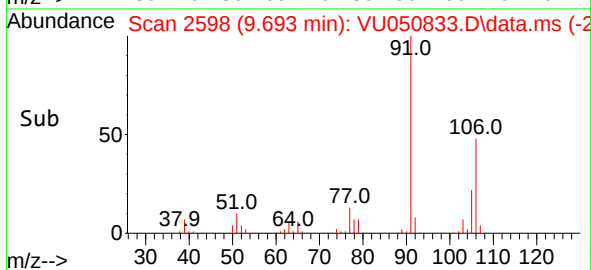
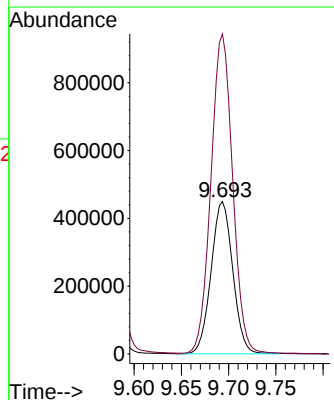
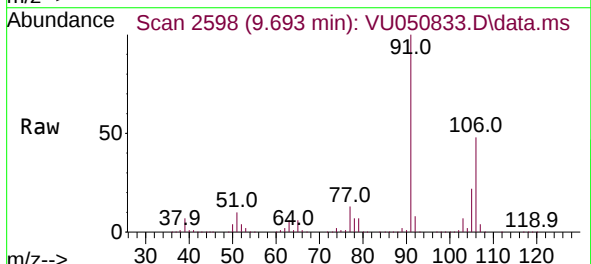
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

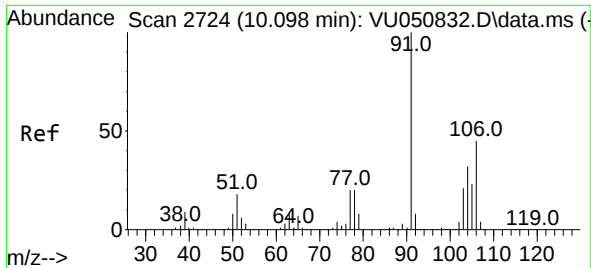
Tgt Ion: 91 Resp: 1900037
Ion Ratio Lower Upper
91 100
106 29.8 21.0 39.0



#53
m,p-Xylene
Concen: 106.379 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion:106 Resp: 716335
Ion Ratio Lower Upper
106 100
91 209.9 144.0 267.4

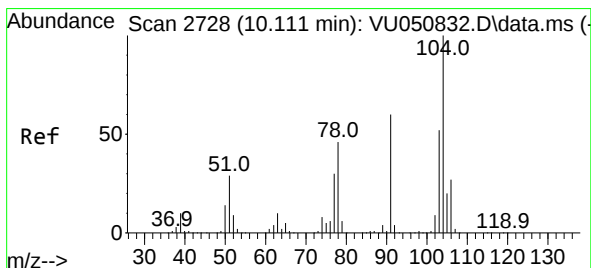
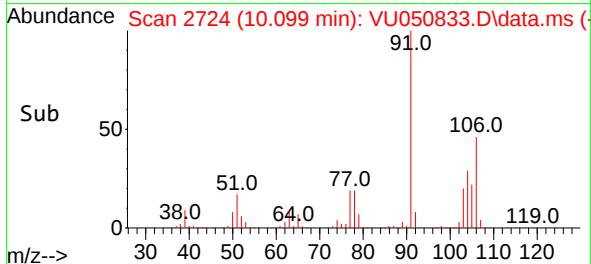
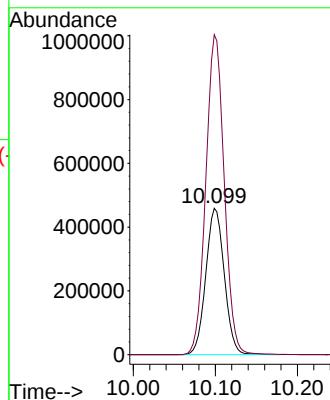
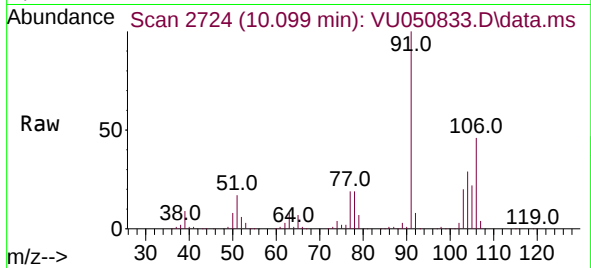




#54
o-Xylene
Concen: 108.108 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

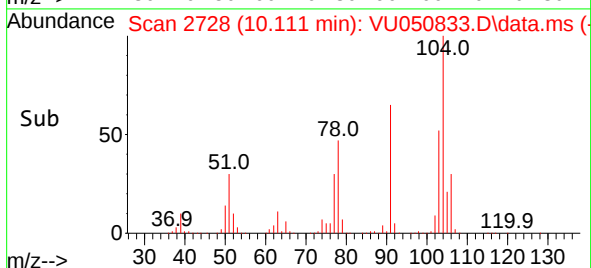
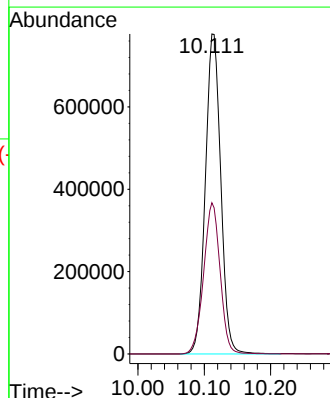
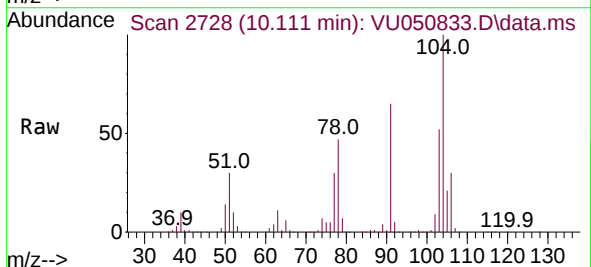
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

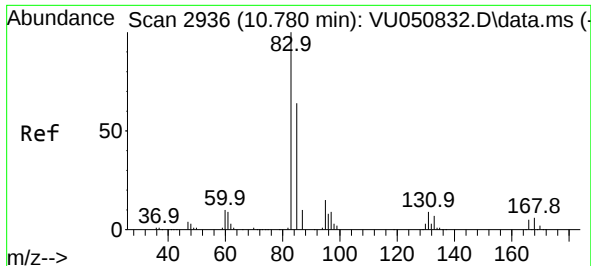
Tgt Ion:106 Resp: 718656
Ion Ratio Lower Upper
106 100
91 218.6 154.6 287.0



#55
Styrene
Concen: 113.485 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion:104 Resp: 1255322
Ion Ratio Lower Upper
104 100
78 47.2 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 101.635 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

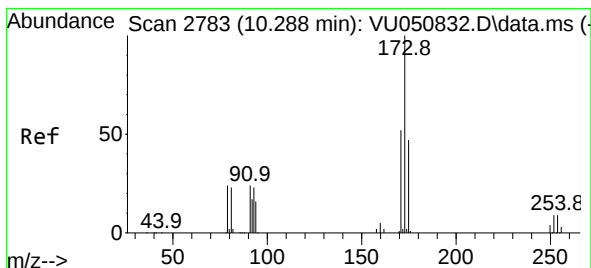
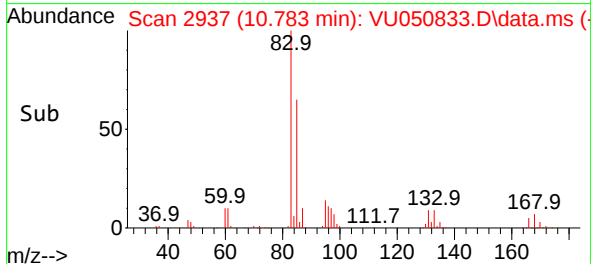
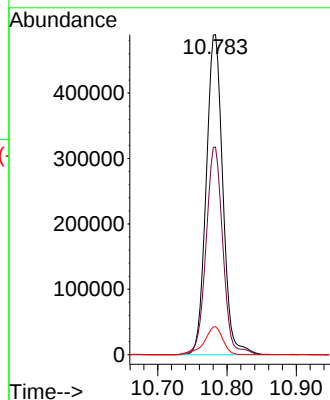
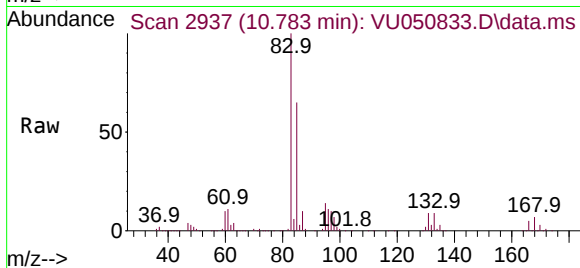
Tgt Ion: 83 Resp: 811464

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

131 8.7 7.1 10.7



#59

Bromoform

Concen: 90.202 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

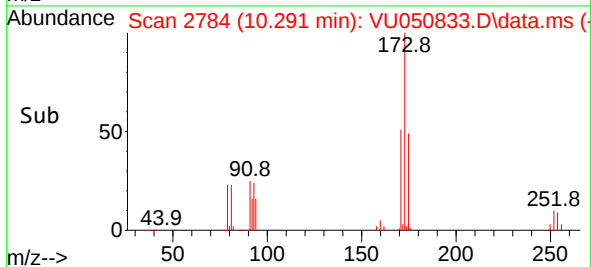
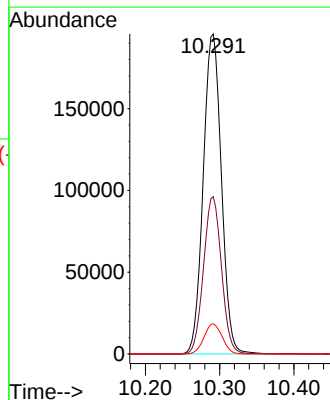
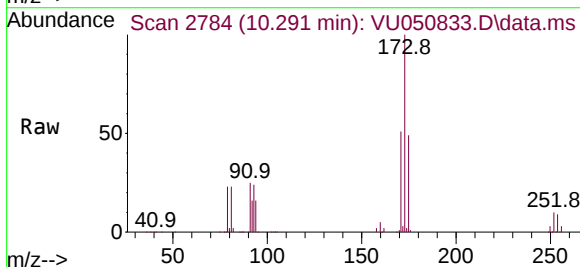
Tgt Ion:173 Resp: 332637

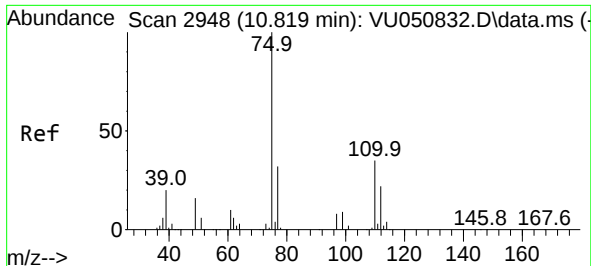
Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.8

254 9.4 7.1 10.7

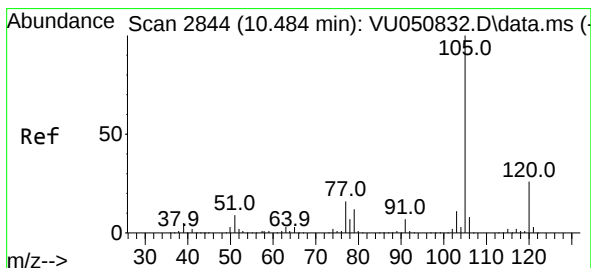
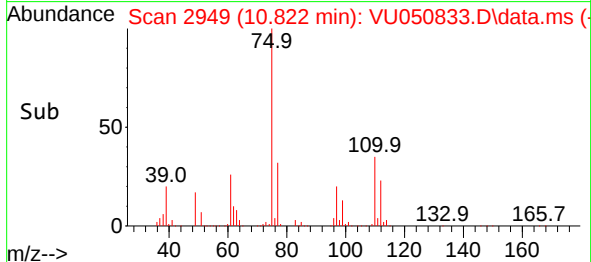
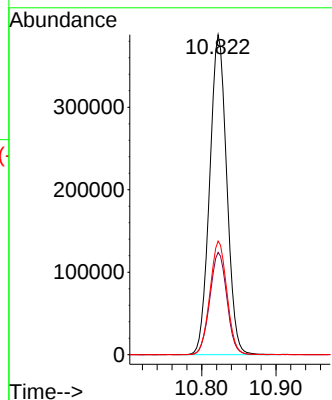
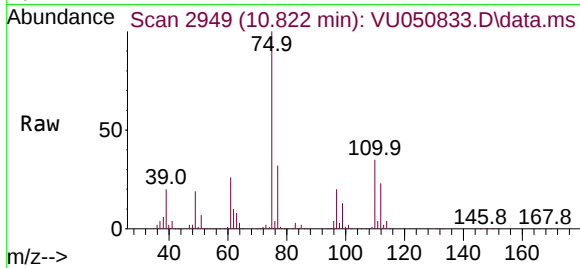




#60
1,2,3-Trichloropropane
Concen: 85.704 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

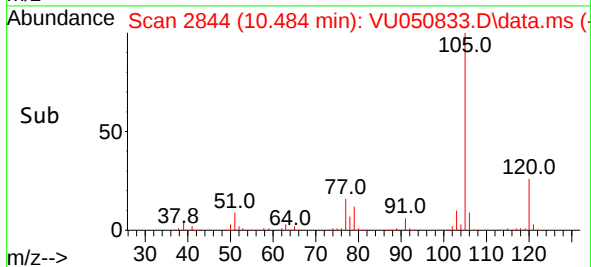
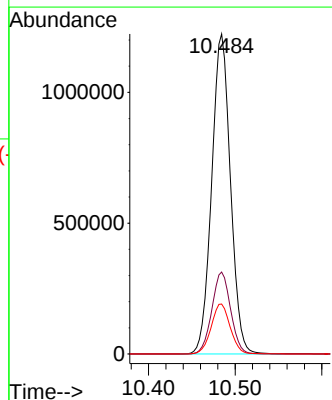
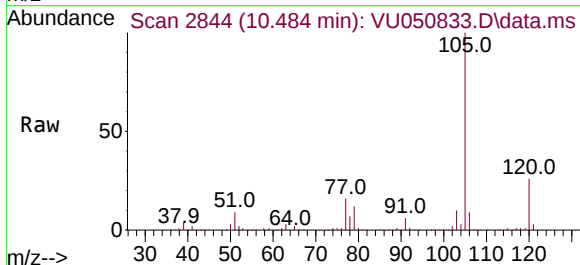
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

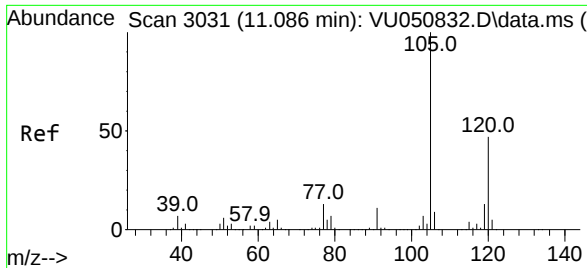
Tgt Ion: 75 Resp: 618982
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4
110 35.2 28.6 43.0



#61
Isopropylbenzene
Concen: 95.116 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050833.D
Acq: 20 Sep 2022 15:06

Tgt Ion: 105 Resp: 1841414
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 15.8 12.9 19.3

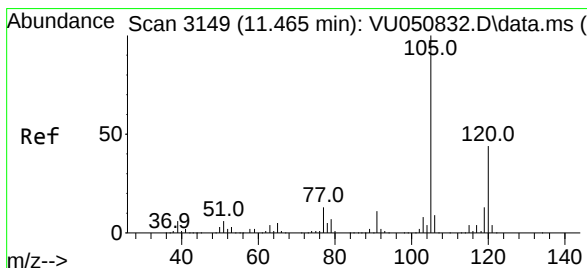
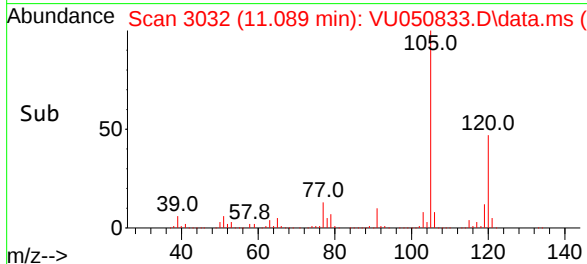
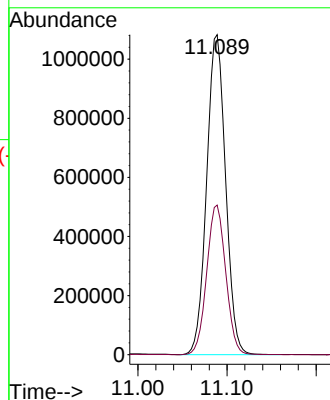
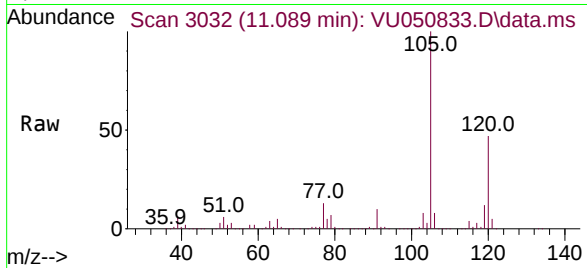




#62
 1,3,5-Trimethylbenzene
 Concen: 96.775 ug/L
 RT: 11.089 min Scan# 3031
 Delta R.T. 0.003 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

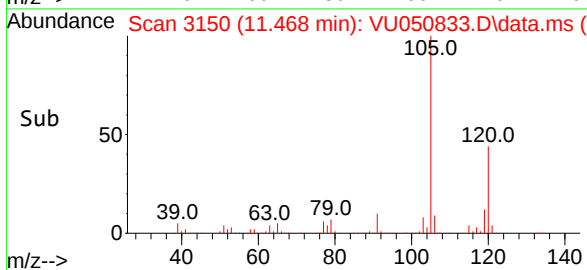
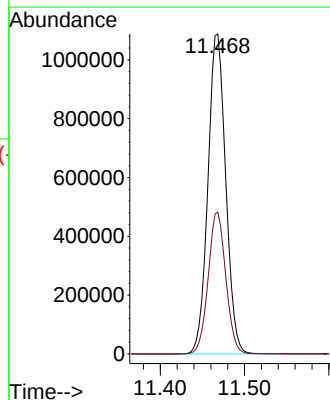
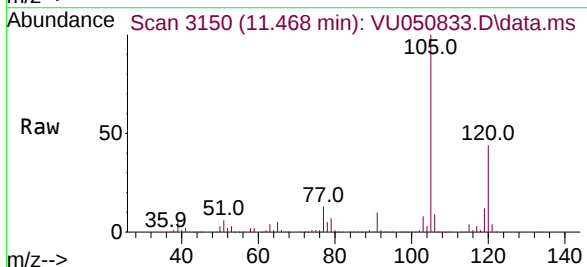
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

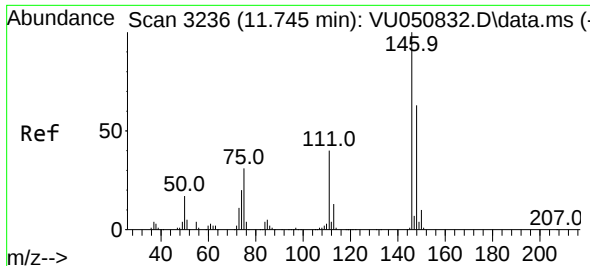
Tgt Ion:105 Resp: 1594762
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 100.449 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

Tgt Ion:105 Resp: 1599703
 Ion Ratio Lower Upper
 105 100
 120 43.9 34.9 52.3

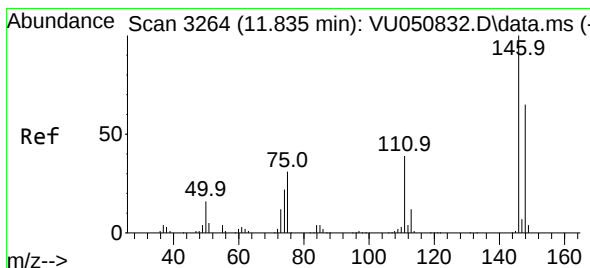
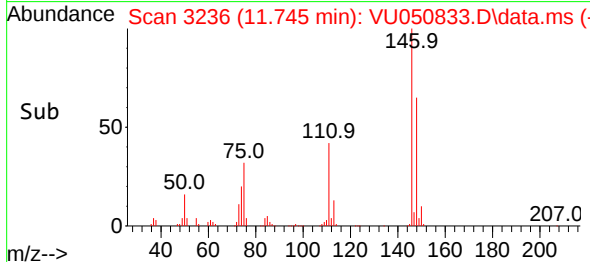
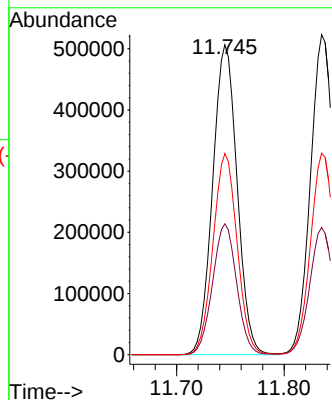
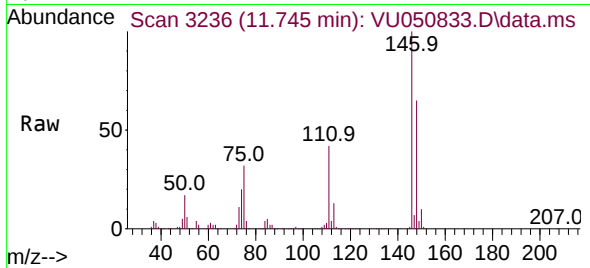




#64
 1,3-Dichlorobenzene
 Concen: 93.605 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

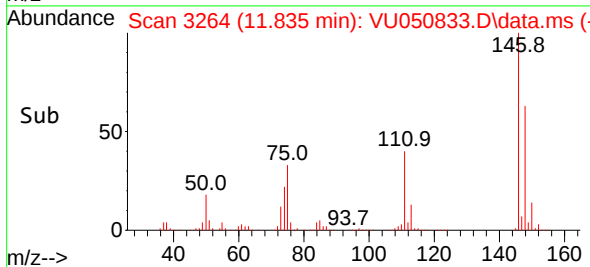
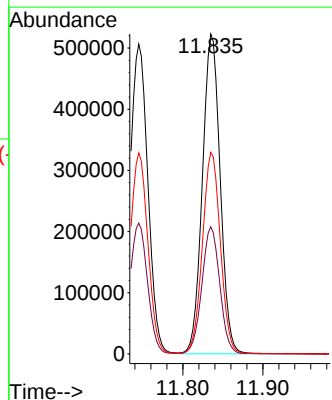
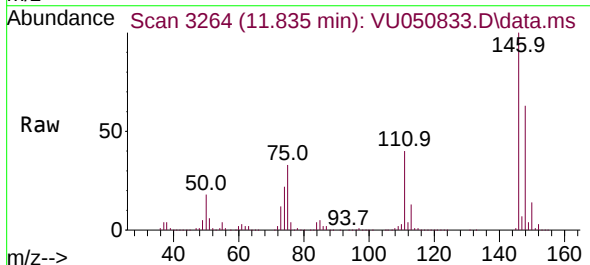
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

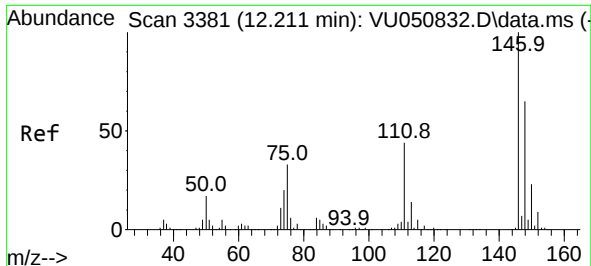
Tgt Ion:146 Resp: 800937
 Ion Ratio Lower Upper
 146 100
 111 42.3 27.9 51.7
 148 64.9 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 95.848 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

Tgt Ion:146 Resp: 810562
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.5 51.1
 148 63.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 91.378 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

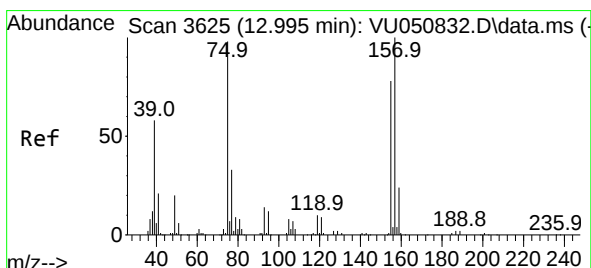
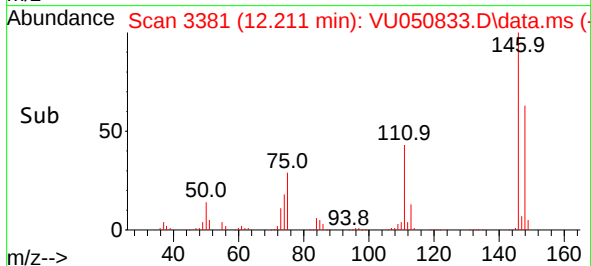
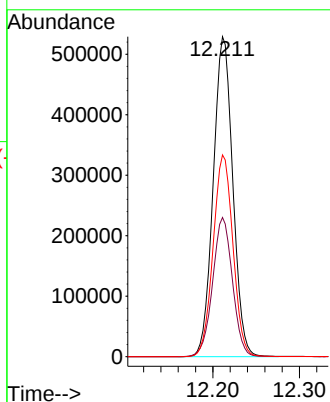
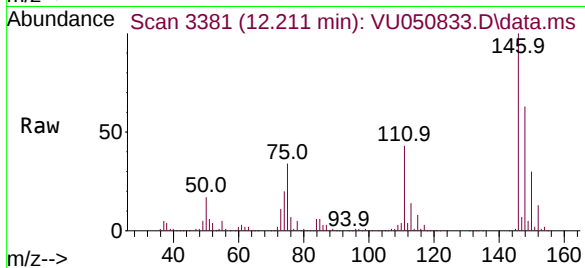
Tgt Ion:146 Resp: 830606

Ion Ratio Lower Upper

146 100

111 43.5 35.2 52.8

148 63.0 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 92.394 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

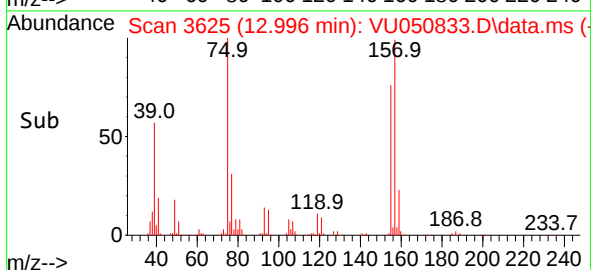
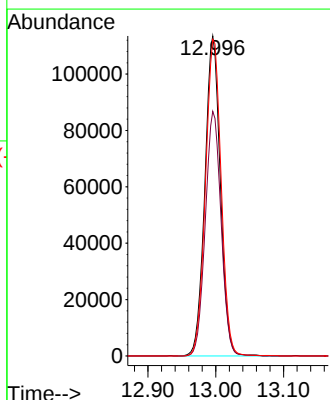
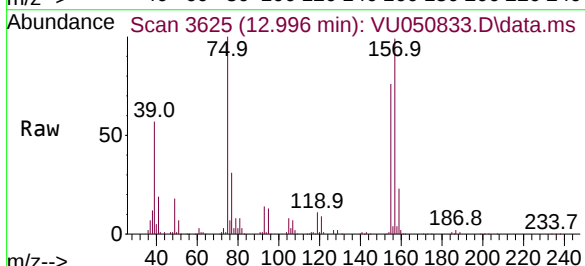
Tgt Ion: 75 Resp: 179352

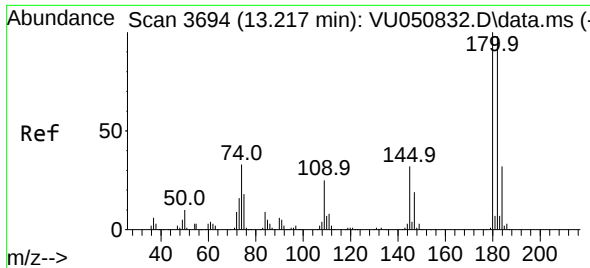
Ion Ratio Lower Upper

75 100

155 76.5 63.8 95.8

157 99.0 81.8 122.8

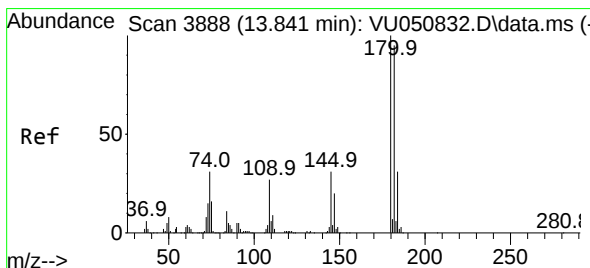
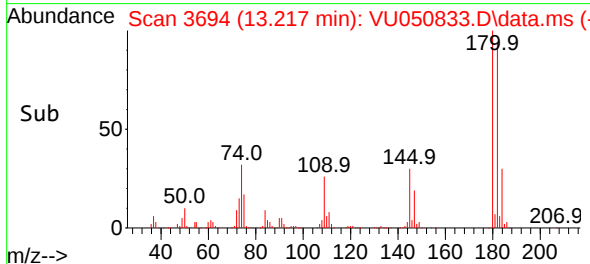
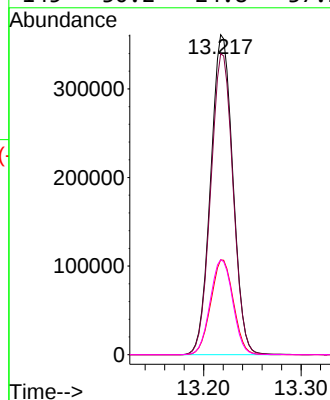
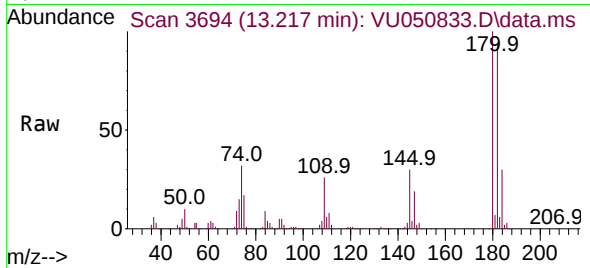




#69
 1,3,5-Trichlorobenzene
 Concen: 93.137 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

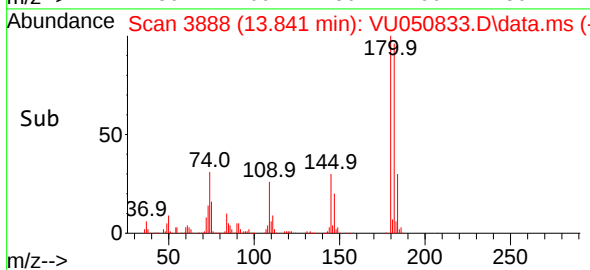
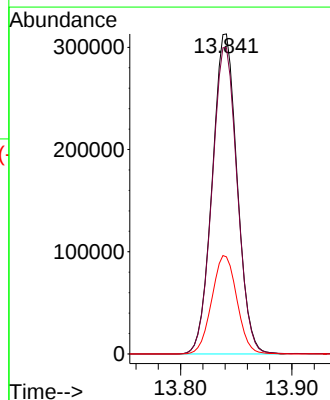
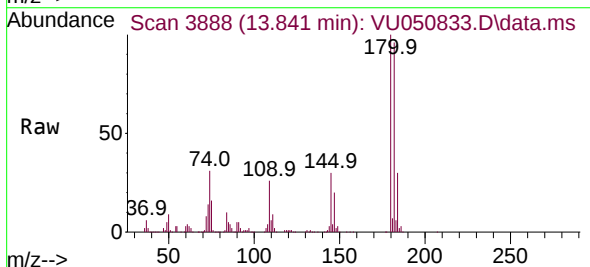
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

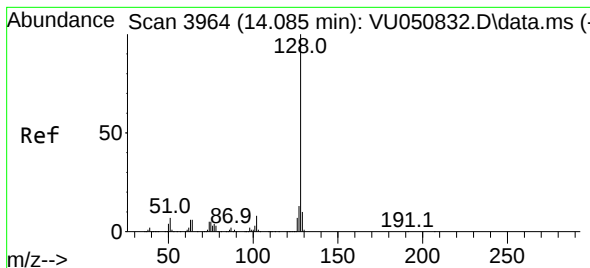
Tgt Ion:	180	Resp:	570410
Ion Ratio	Lower	Upper	
180	100		
182	94.7	78.2	117.2
184	30.2	24.8	37.2
145	30.2	24.8	37.2



#70
 1,2,4-trichlorobenzene
 Concen: 93.119 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050833.D
 Acq: 20 Sep 2022 15:06

Tgt Ion:	180	Resp:	487105
Ion Ratio	Lower	Upper	
180	100		
182	96.8	76.2	114.2
145	31.0	25.1	37.7





#71

Naphthalene

Concen: 101.136 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

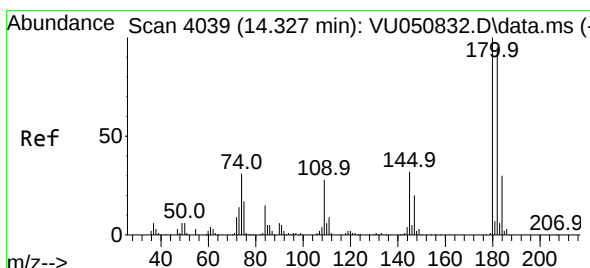
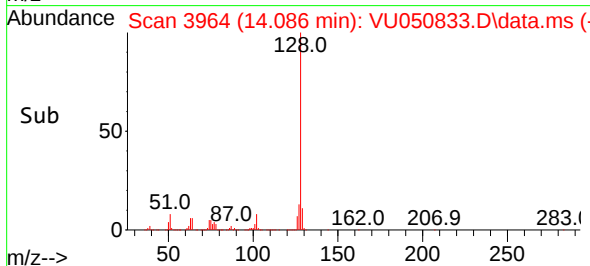
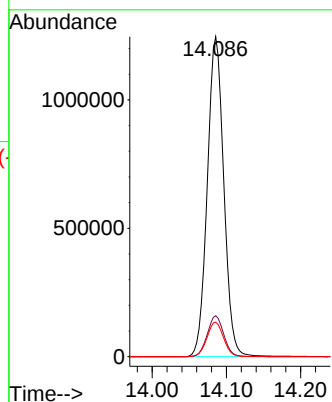
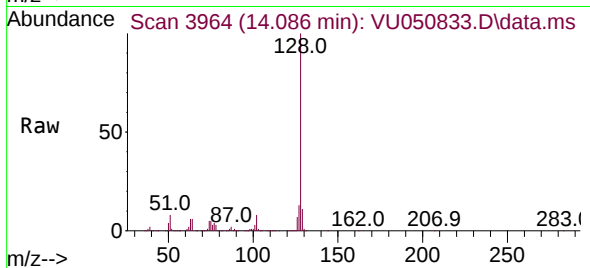
Tgt Ion:128 Resp: 1917558

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 93.742 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU050833.D

Acq: 20 Sep 2022 15:06

Tgt Ion:180 Resp: 532921

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 32.3 26.3 39.5

