

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048581.D
 Acq On : 16 May 2022 14:15
 Operator : SY/MD
 Sample : VSTD20072
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200072

Quant Time: May 17 06:44:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	270639	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	263505	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	169500	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	305609	140.307	ug/L	0.00
7) Chloroethane-d5	1.900	69	215769	151.290	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.565	63	692963	170.879	ug/L	0.00
21) 2-Butanone-d5	4.616	46	616641	321.792	ug/L	-0.01
24) Chloroform-d	5.063	84	779140	191.935	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	545700	203.393	ug/L	0.00
32) Benzene-d6	5.729	84	1370596	174.842	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	404191	161.890	ug/L	0.00
41) Toluene-d8	7.899	98	1322542	188.275	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	262336	213.926	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	499922	399.538	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	706835	183.553	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	639750	190.853	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	539706	209.993	ug/L	98
3) Chloromethane	1.523	50	344394	131.823	ug/L	98
5) Vinyl chloride	1.604	62	355711	140.602	ug/L	98
6) Bromomethane	1.835	94	250920	190.216	ug/L	100
8) Chloroethane	1.922	64	196237	142.795	ug/L	100
9) Trichlorofluoromethane	2.131	101	685981	191.489	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	351699	174.588	ug/L	98
12) 1,1-Dichloroethene	2.578	96	327397	173.883	ug/L	99
13) Acetone	2.623	43	411518	272.682	ug/L	100
14) Carbon disulfide	2.790	76	915308	159.366	ug/L	100
15) Methyl Acetate	2.945	43	406725	139.225	ug/L	99
16) Methylene chloride	3.041	84	365568	160.741	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	352348	175.792	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	1283036	187.536	ug/L	99
19) 1,1-Dichloroethane	3.867	63	655647	160.588	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	402706	176.479	ug/L	99
22) 2-Butanone	4.697	43	604464	279.615	ug/L	100
23) Bromochloromethane	4.973	128	220089	180.804	ug/L	98
25) Chloroform	5.086	83	758674	182.845	ug/L	99
27) 1,2-Dichloroethane	5.793	62	651087	188.775	ug/L	99
29) Cyclohexane	5.388	56	535321	153.863	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	756474	200.247	ug/L	99
31) Carbon tetrachloride	5.523	117	689053	209.508	ug/L	98
33) Benzene	5.774	78	1448495	162.432	ug/L	100
34) Trichloroethene	6.542	95	410470	181.617	ug/L	99
35) Methylcyclohexane	6.764	83	618947	176.233	ug/L	100
37) 1,2-Dichloropropane	6.790	63	362428	148.553	ug/L	100
38) Bromodichloromethane	7.105	83	601024	191.184	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	681544	189.951	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1165186	299.140	ug/L	99
42) Toluene	7.970	91	1624659	174.314	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	700029	196.244	ug/L	99

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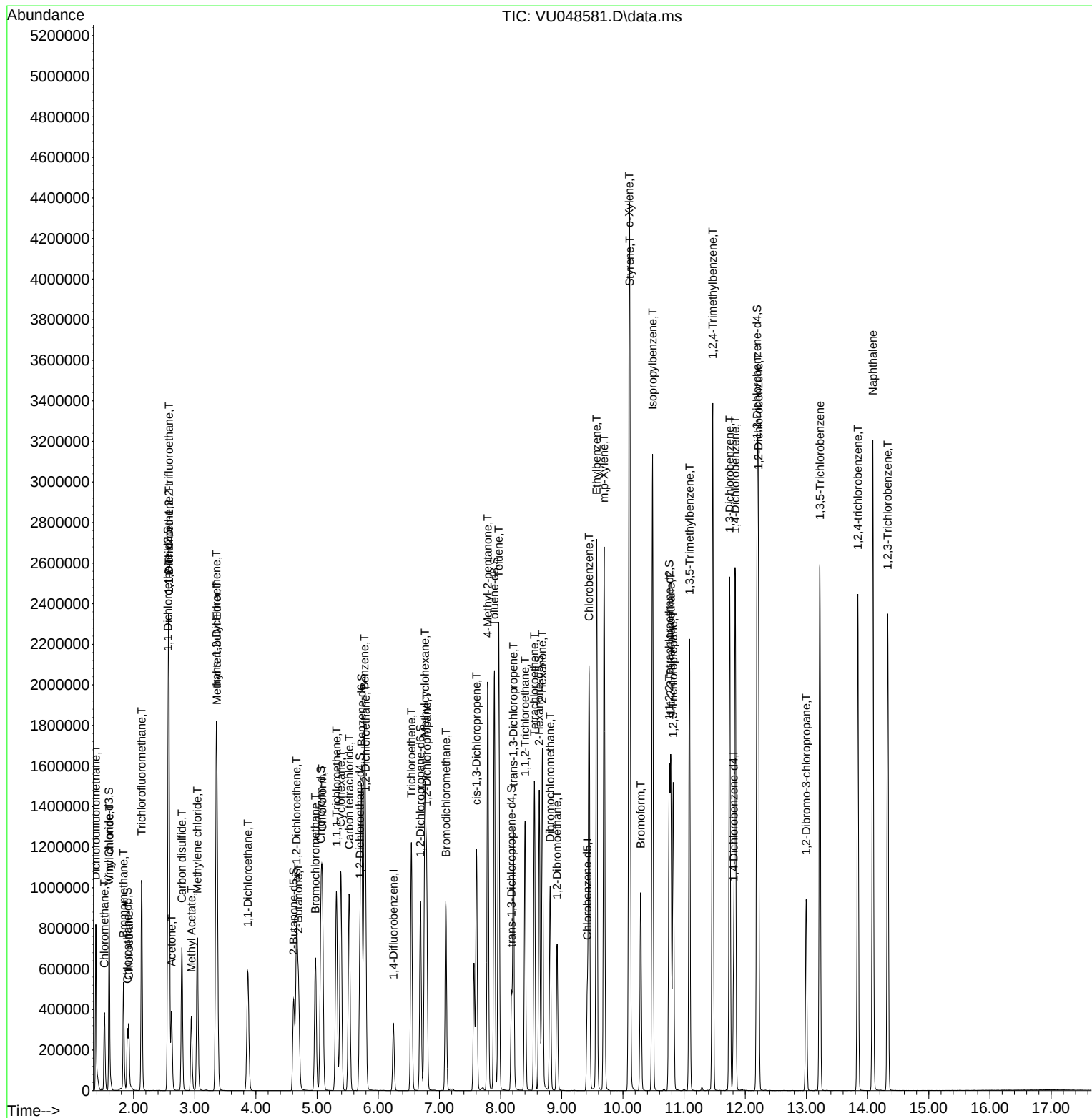
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	395957	173.003	ug/L	99
46) Tetrachloroethene	8.552	164	339828	196.399	ug/L	97
48) 2-Hexanone	8.684	43	971994	297.784	ug/L	99
49) Dibromochloromethane	8.812	129	519721	203.933	ug/L	98
50) 1,2-Dibromoethane	8.925	107	454979	186.250	ug/L	99
51) Chlorobenzene	9.446	112	1120788	187.386	ug/L	99
52) Ethylbenzene	9.571	91	1890857	192.268	ug/L	99
53) m,p-Xylene	9.693	106	758736	197.993	ug/L	99
54) o-Xylene	10.102	106	741594	194.459	ug/L	98
55) Styrene	10.115	104	1294284	206.330	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	716523	171.344	ug/L	97
59) Bromoform	10.291	173	444345	181.911	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	622538	145.165	ug/L	99
61) Isopropylbenzene	10.484	105	2001365	169.337	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1205861	183.616	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	1873339	190.913	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	1009776	179.233	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	1026350	181.009	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	1016473	177.183	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	249968	189.570	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	805814	197.680	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	741404	204.791	ug/L	99
71) Naphthalene	14.086	128	2499820	182.287	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	717637	188.595	ug/L	99

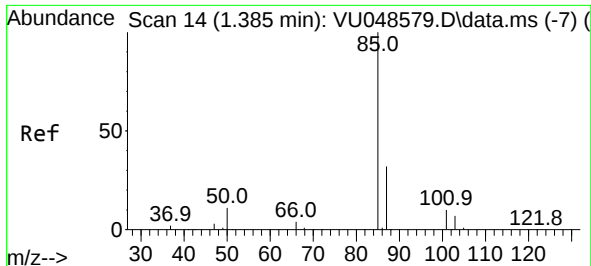
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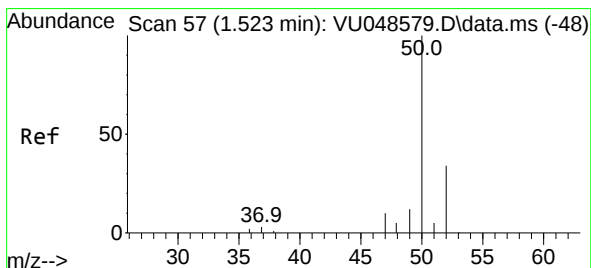
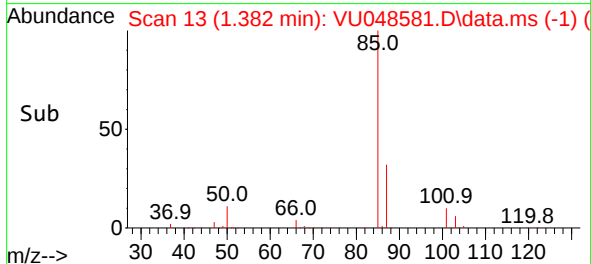
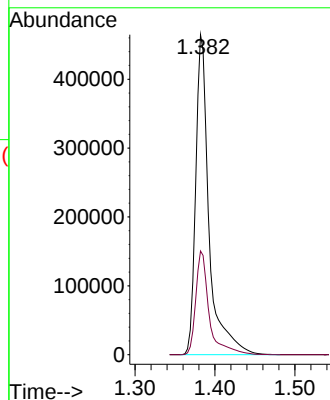
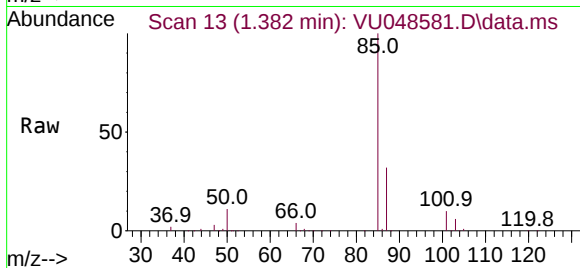




#2
Dichlorodifluoromethane
Concen: 209.993 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

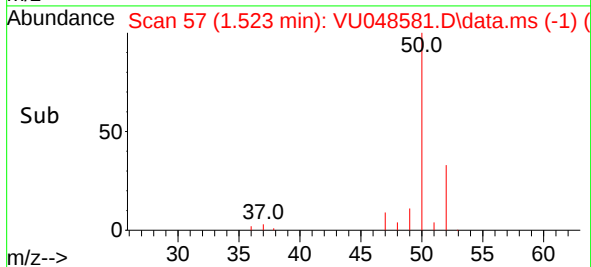
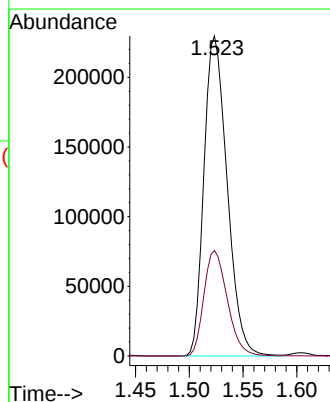
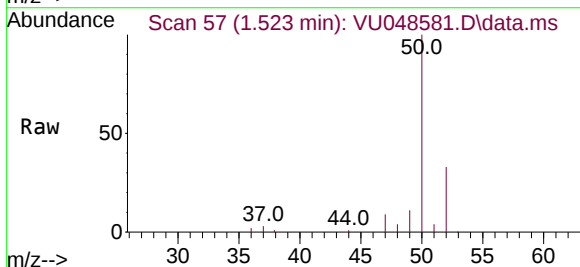
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

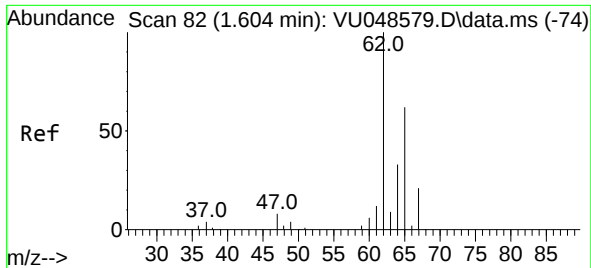
Tgt Ion: 85 Resp: 539706
Ion Ratio Lower Upper
85 100
87 32.7 25.4 38.2



#3
Chloromethane
Concen: 131.823 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 50 Resp: 344394
Ion Ratio Lower Upper
50 100
52 33.0 23.8 44.2

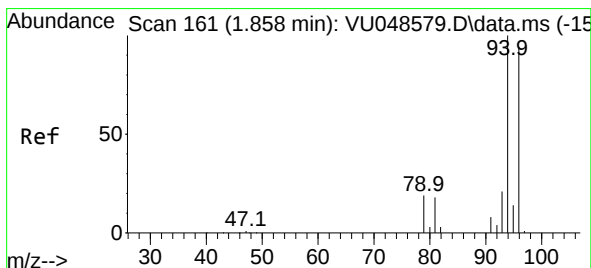
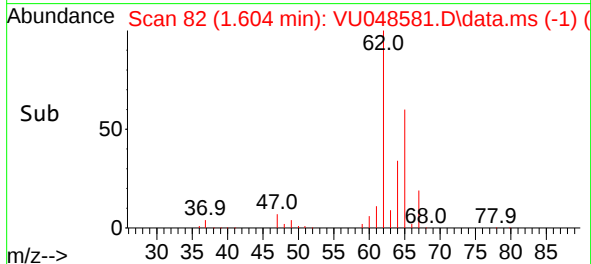
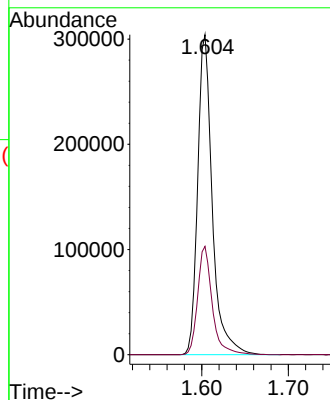
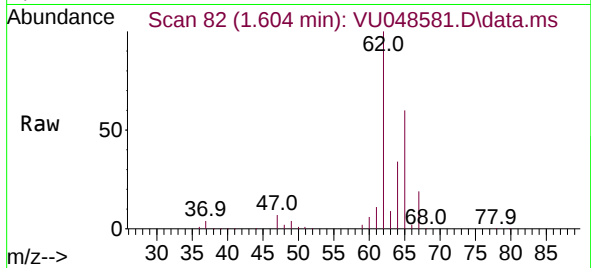




#5
 Vinyl chloride
 Concen: 140.602 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048581.D
 Acq: 16 May 2022 14:15

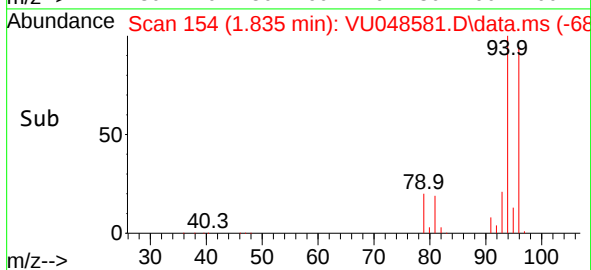
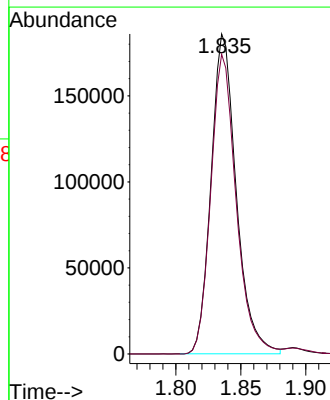
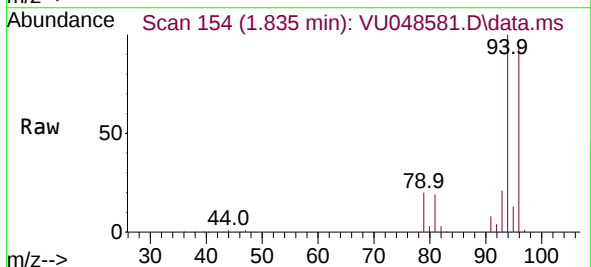
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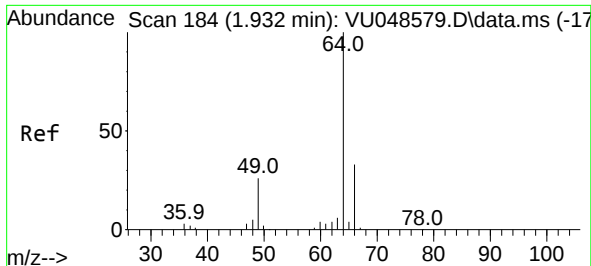
Tgt Ion: 62 Resp: 355711
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.9 42.5



#6
 Bromomethane
 Concen: 190.216 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.023 min
 Lab File: VU048581.D
 Acq: 16 May 2022 14:15

Tgt Ion: 94 Resp: 250920
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.7 121.9

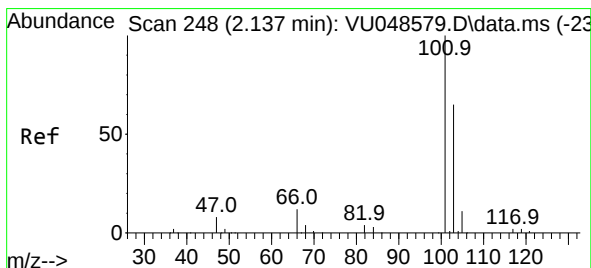
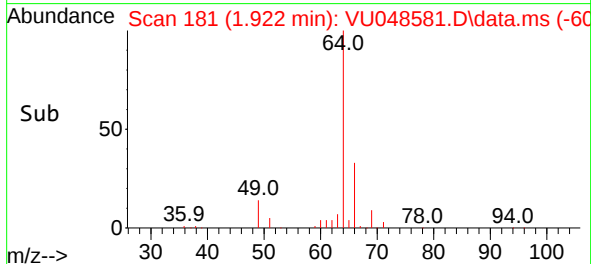
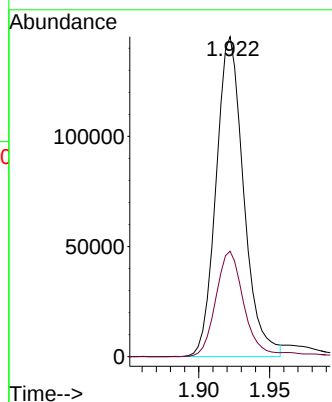
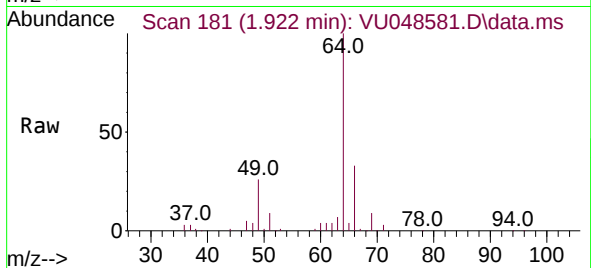




#8
Chloroethane
Concen: 142.795 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

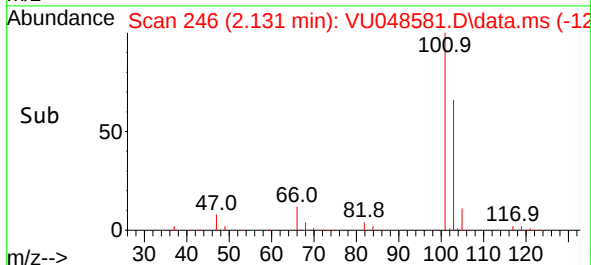
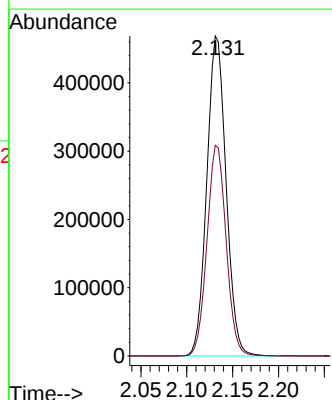
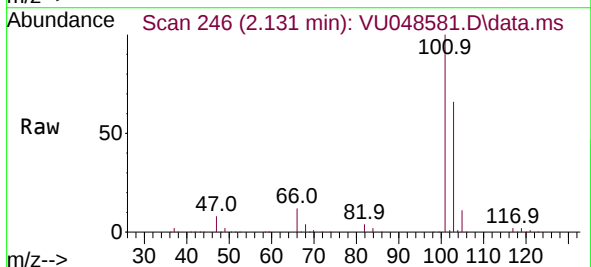
Instrument :
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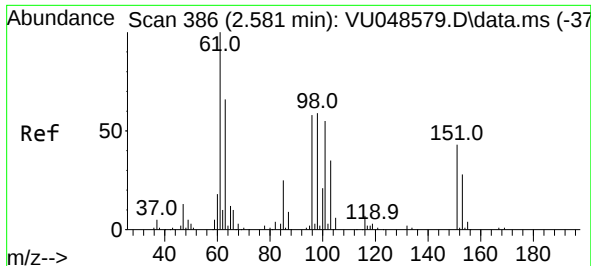
Tgt Ion: 64 Resp: 196237
Ion Ratio Lower Upper
64 100
66 33.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 191.489 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.006 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:101 Resp: 685981
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 174.588 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

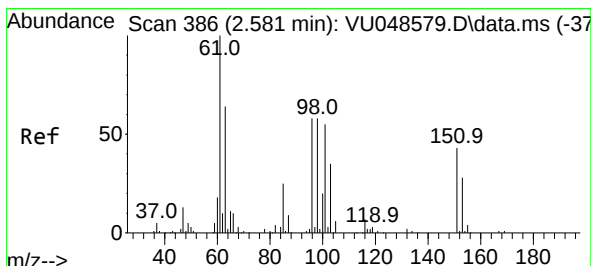
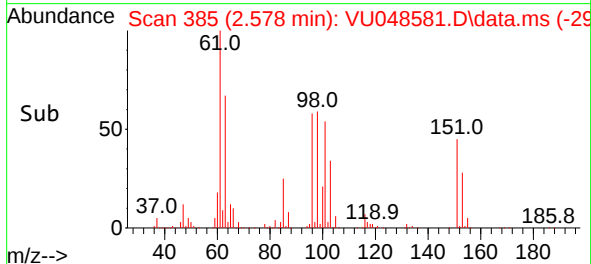
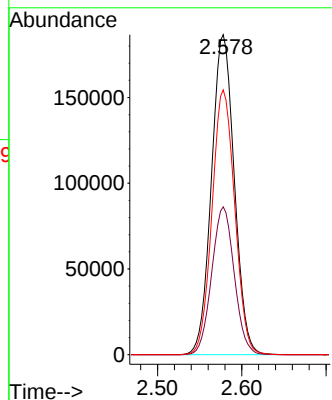
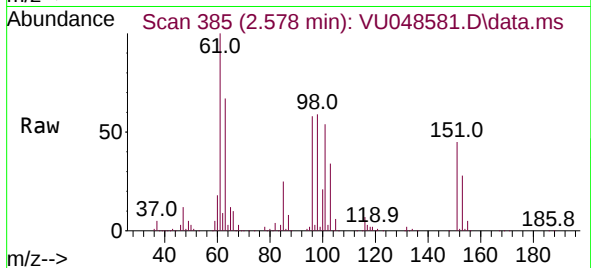
Tgt Ion:101 Resp: 351699

Ion Ratio Lower Upper

101 100

85 45.4 35.7 53.5

151 82.3 64.4 96.6



#12

1,1-Dichloroethene

Concen: 173.883 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

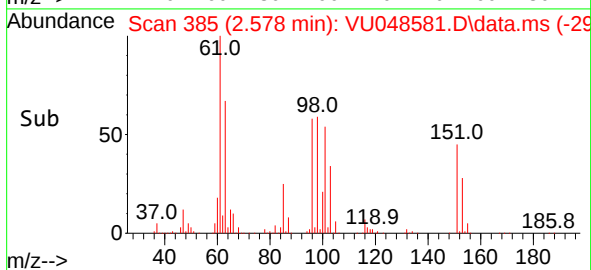
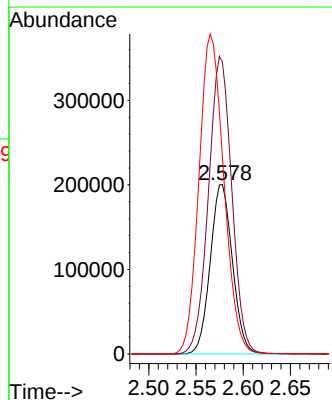
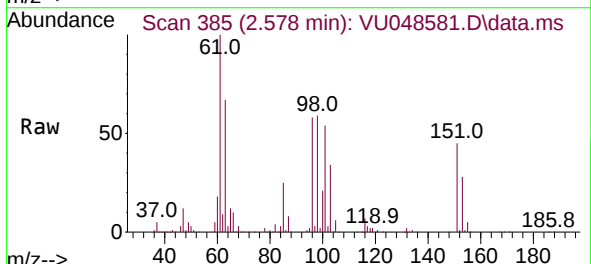
Tgt Ion: 96 Resp: 327397

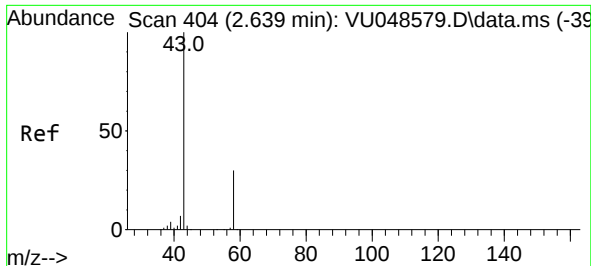
Ion Ratio Lower Upper

96 100

61 172.3 120.6 224.0

63 116.1 82.3 152.9





#13

Acetone

Concen: 272.682 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.016 min

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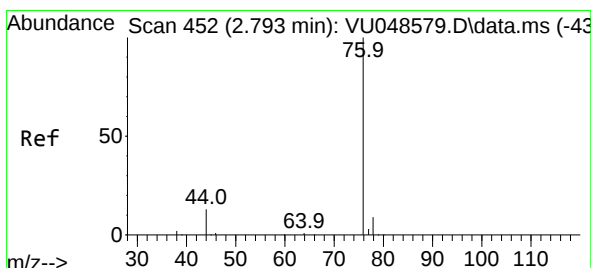
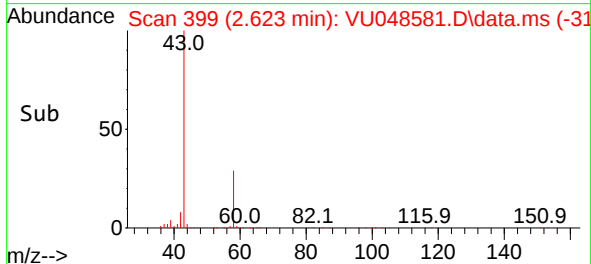
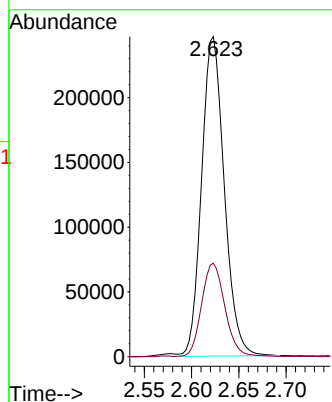
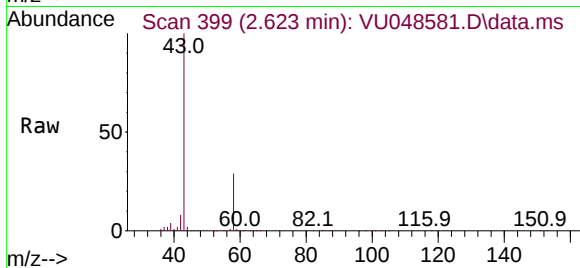
VSTD200072

Tgt Ion: 43 Resp: 411518

Ion Ratio Lower Upper

43 100

58 30.1 0.0 59.8



#14

Carbon disulfide

Concen: 159.366 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048581.D

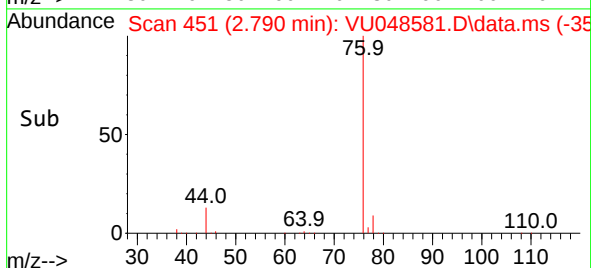
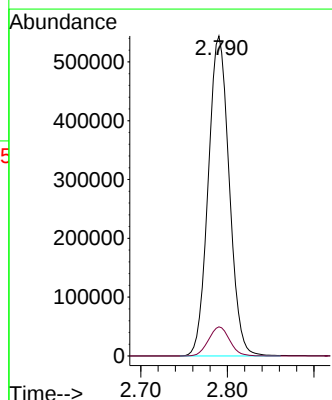
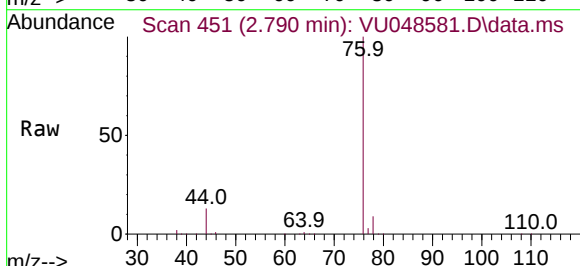
Acq: 16 May 2022 14:15

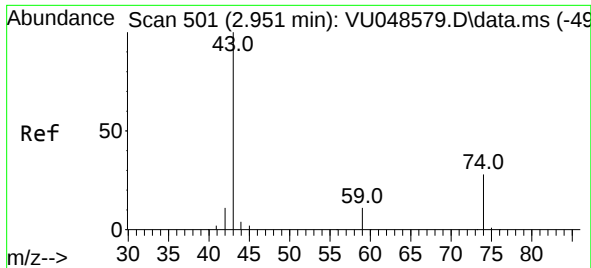
Tgt Ion: 76 Resp: 915308

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

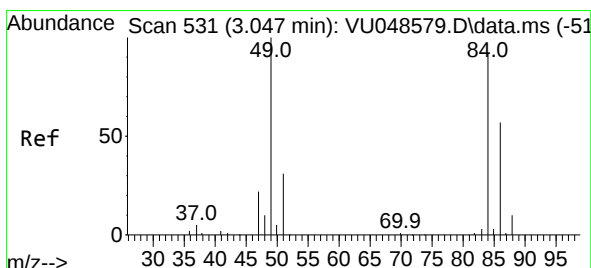
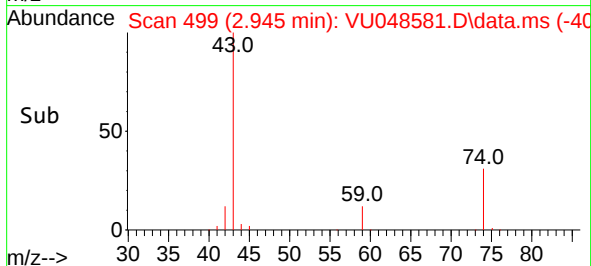
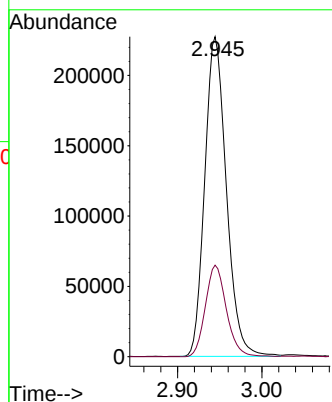
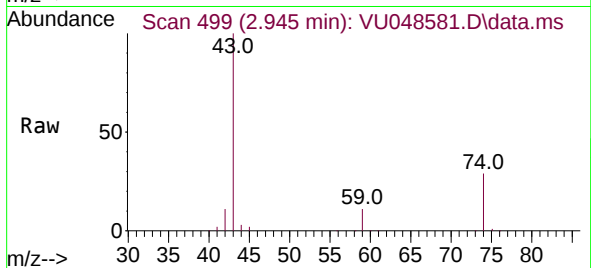




#15
Methyl Acetate
Concen: 139.225 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

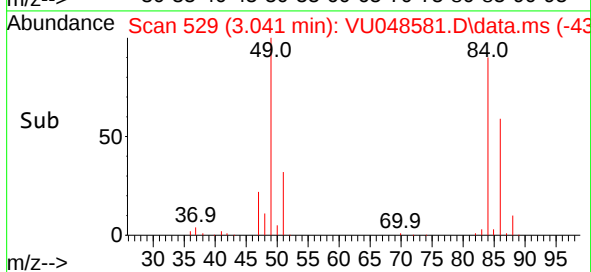
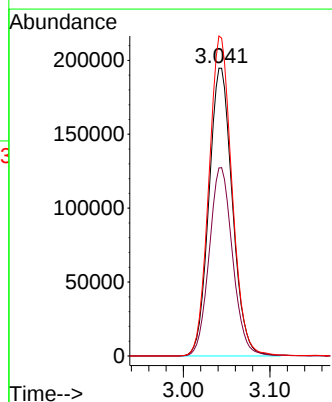
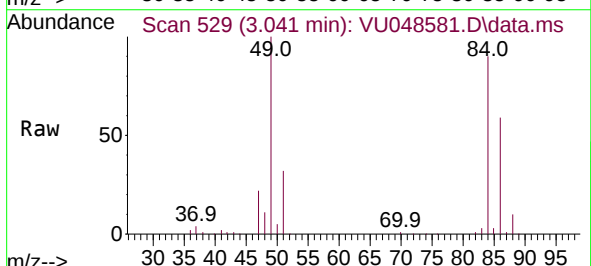
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

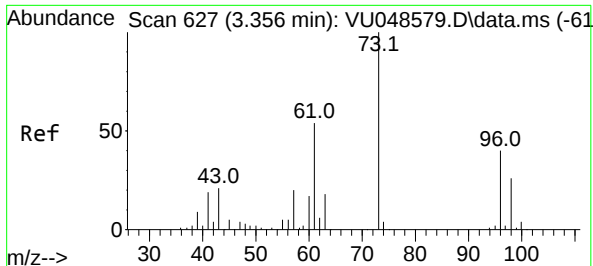
Tgt Ion: 43 Resp: 406725
Ion Ratio Lower Upper
43 100
74 27.8 21.7 32.5



#16
Methylene chloride
Concen: 160.741 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.006 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 84 Resp: 365568
Ion Ratio Lower Upper
84 100
86 65.3 43.5 80.9
49 111.2 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 175.792 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

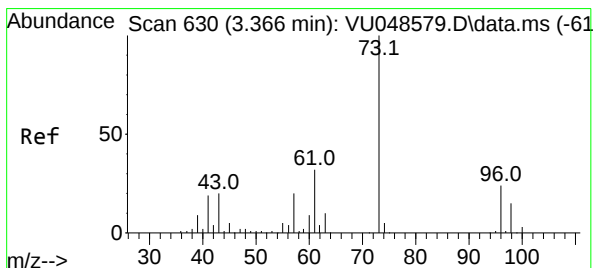
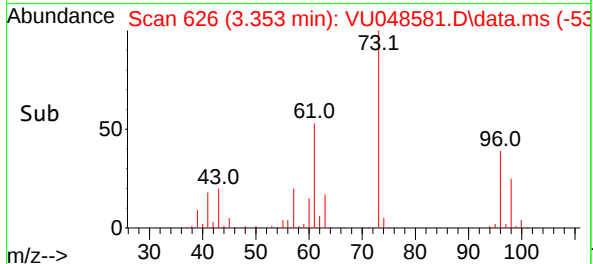
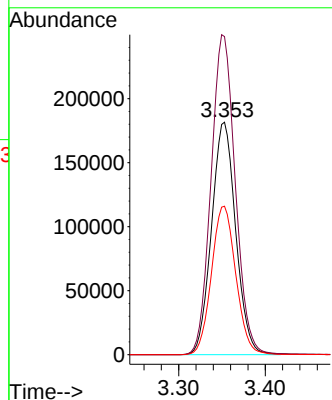
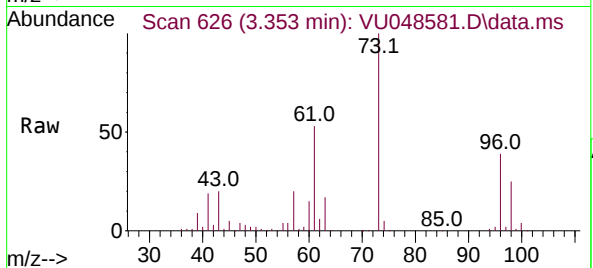
Tgt Ion: 96 Resp: 352348

Ion Ratio Lower Upper

96 100

61 136.8 94.2 175.0

98 63.9 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 187.536 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

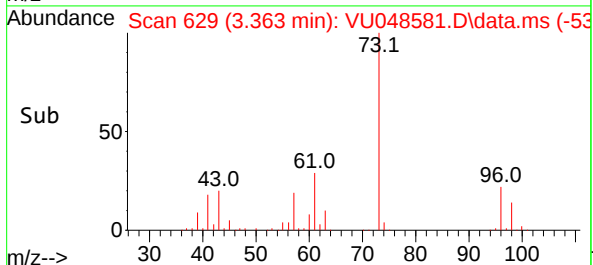
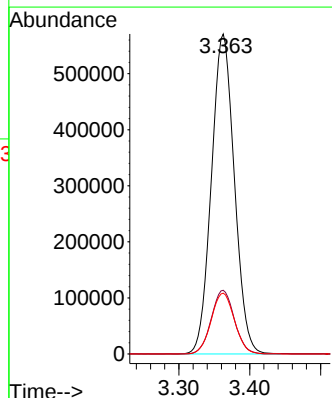
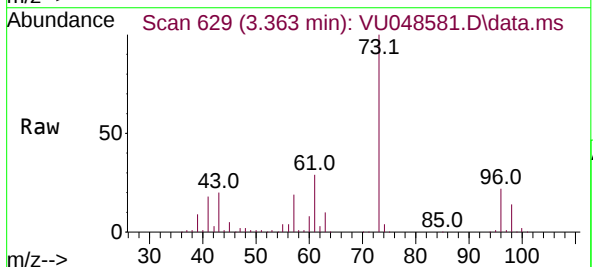
Tgt Ion: 73 Resp: 1283036

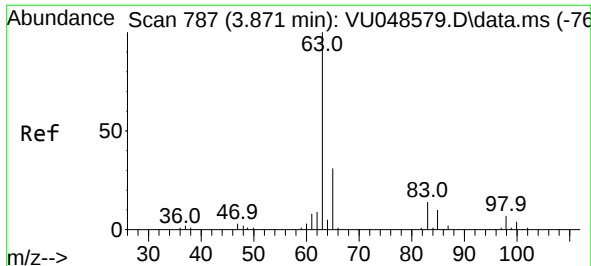
Ion Ratio Lower Upper

73 100

43 20.1 16.2 24.4

57 19.3 15.7 23.5





#19

1,1-Dichloroethane

Concen: 160.588 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

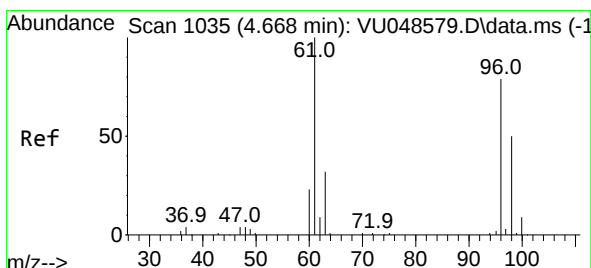
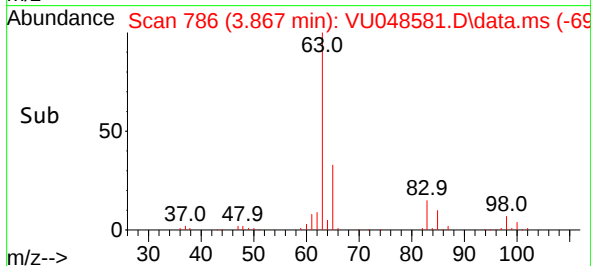
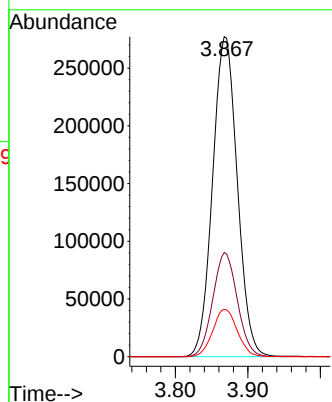
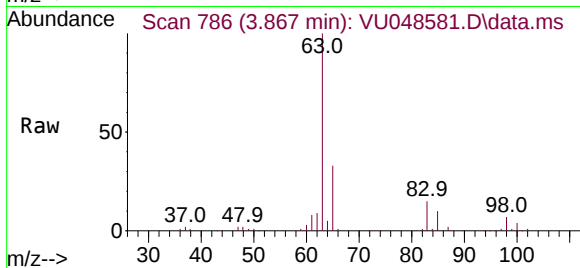
Tgt Ion: 63 Resp: 655647

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.6

83 14.8 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 176.479 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

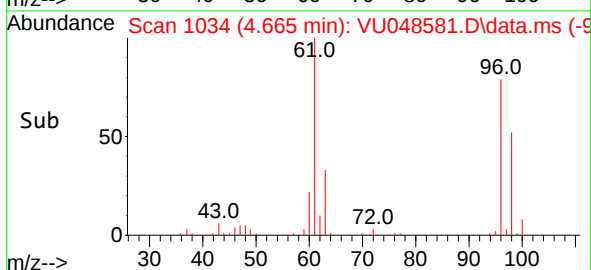
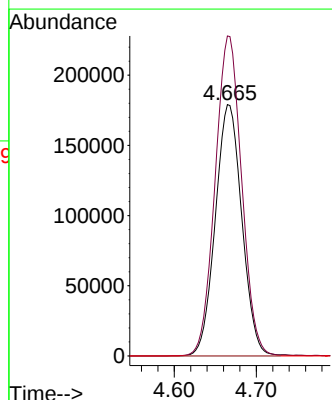
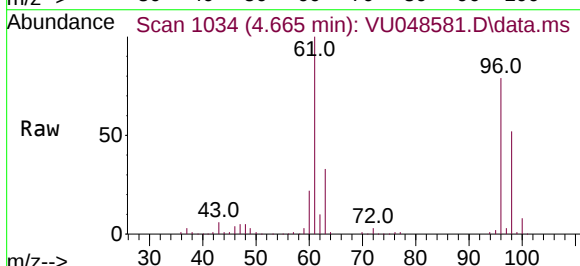
Tgt Ion: 96 Resp: 402706

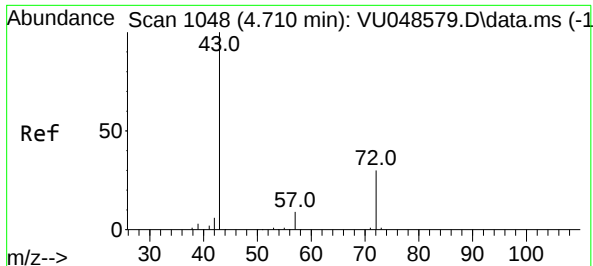
Ion Ratio Lower Upper

96 100

61 127.3 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 279.615 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.013 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

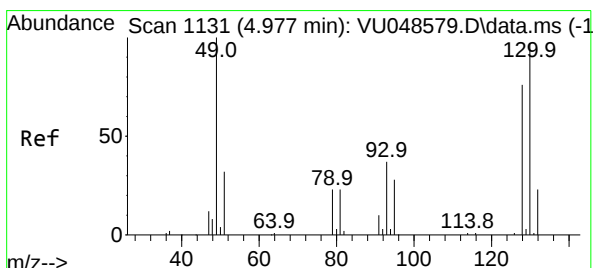
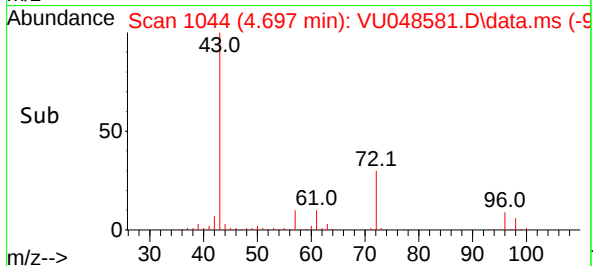
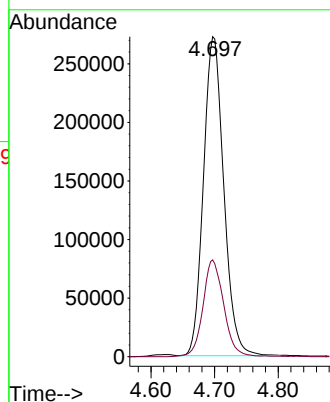
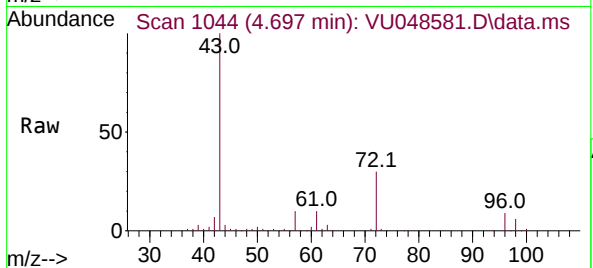
VSTD200072

Tgt Ion: 43 Resp: 604464

Ion Ratio Lower Upper

43 100

72 30.9 15.4 46.2



#23

Bromochloromethane

Concen: 180.804 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Tgt Ion:128 Resp: 220089

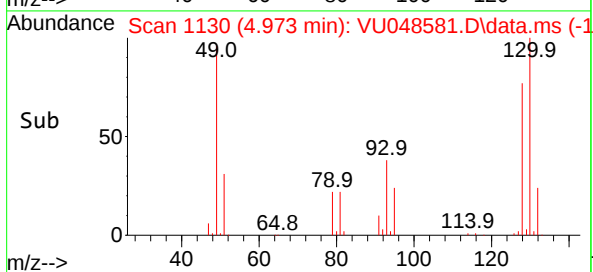
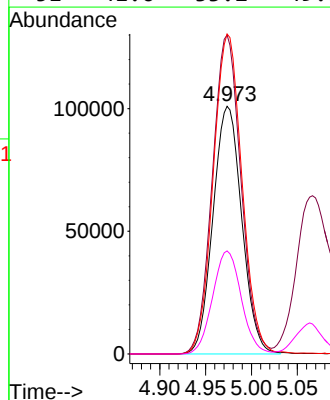
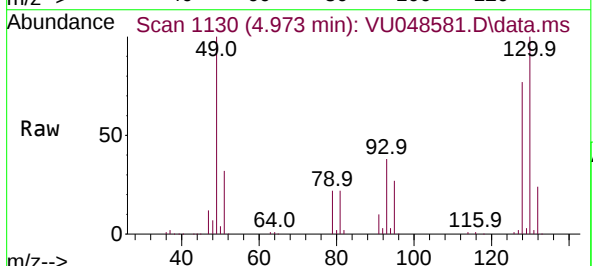
Ion Ratio Lower Upper

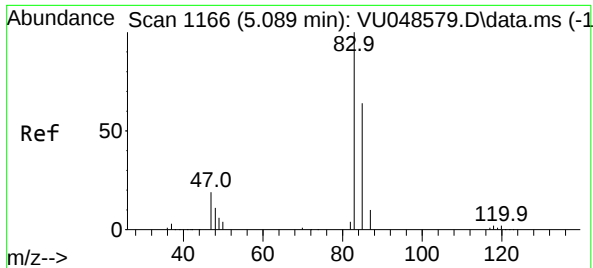
128 100

49 128.8 91.9 170.7

130 129.2 88.4 164.2

51 41.6 33.2 49.8

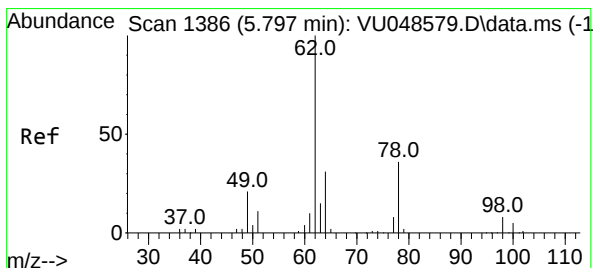
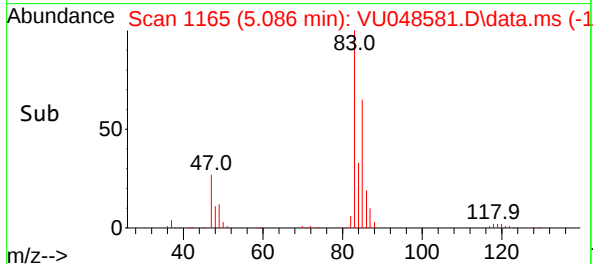
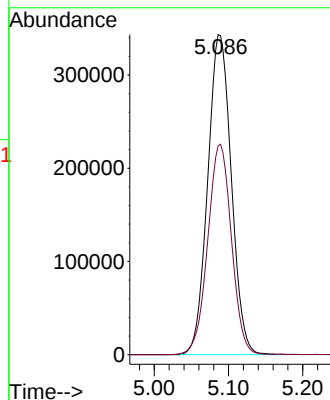
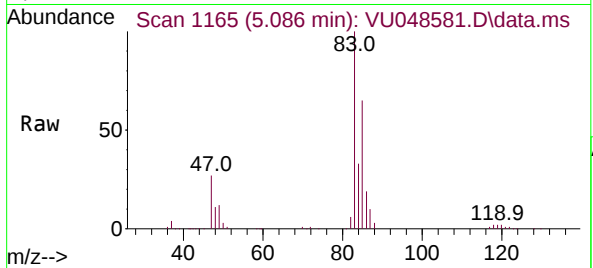




#25
Chloroform
Concen: 182.845 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

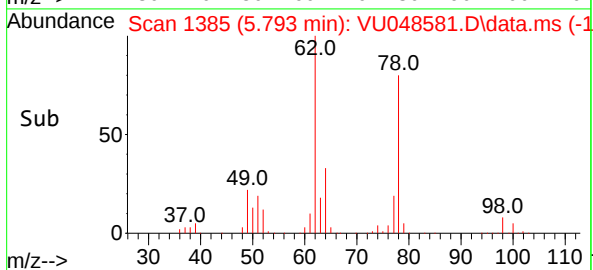
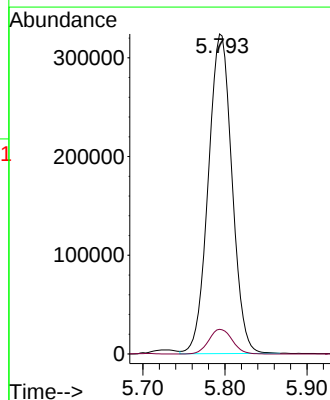
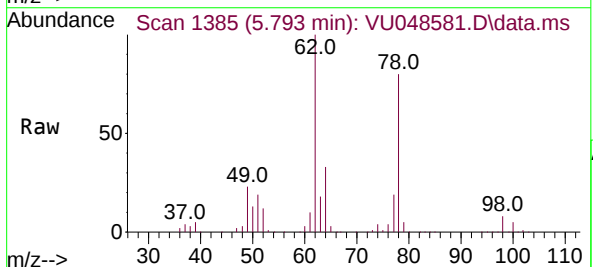
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

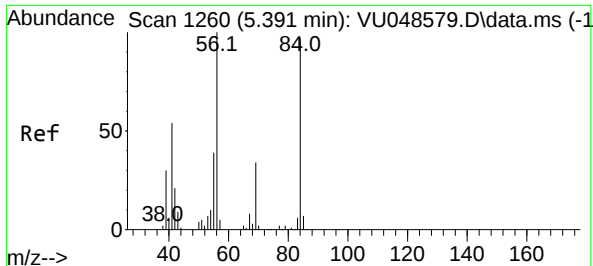
Tgt Ion: 83 Resp: 758674
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 188.775 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 62 Resp: 651087
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0





#29

Cyclohexane

Concen: 153.863 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

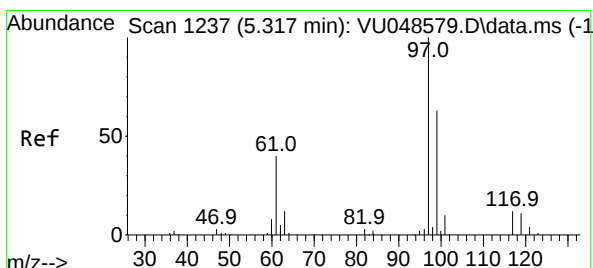
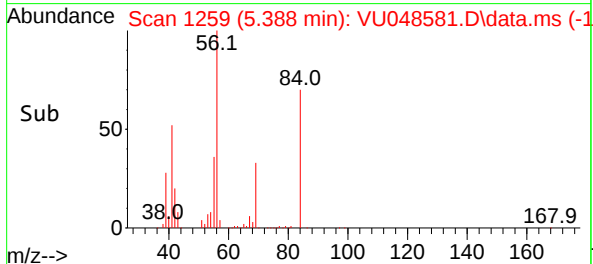
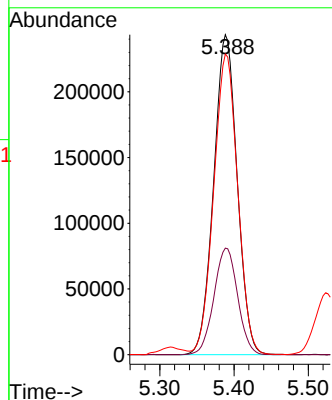
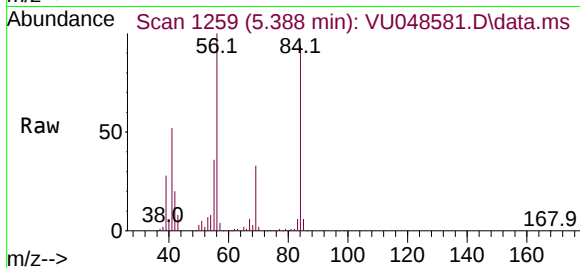
Tgt Ion: 56 Resp: 535321

Ion Ratio Lower Upper

56 100

69 33.6 26.5 39.7

84 95.7 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 200.247 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

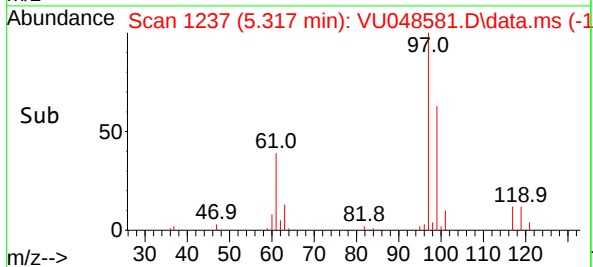
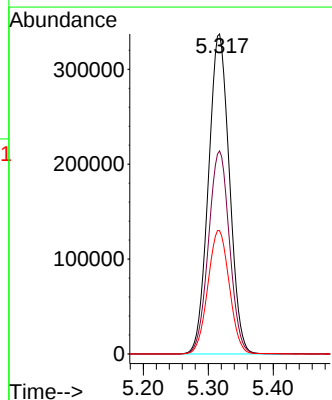
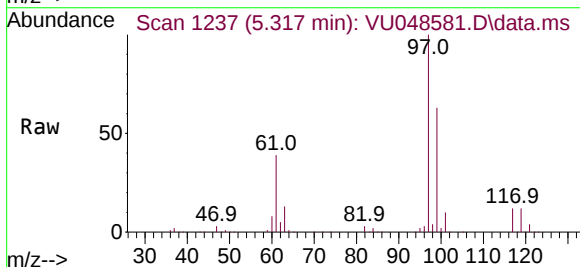
Tgt Ion: 97 Resp: 756474

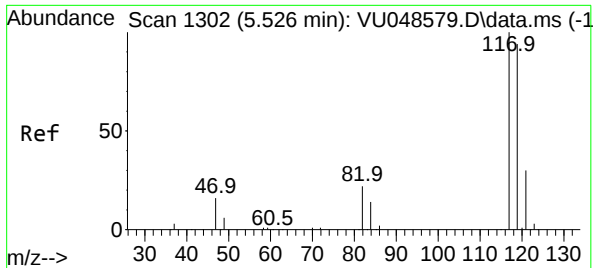
Ion Ratio Lower Upper

97 100

99 63.8 50.3 75.5

61 39.5 32.6 48.8

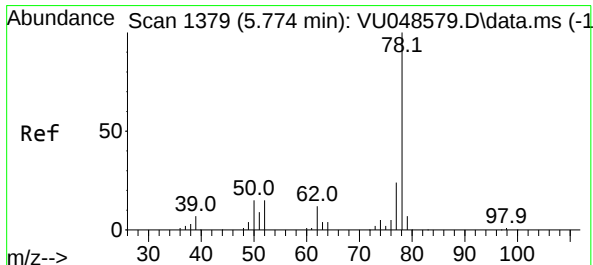
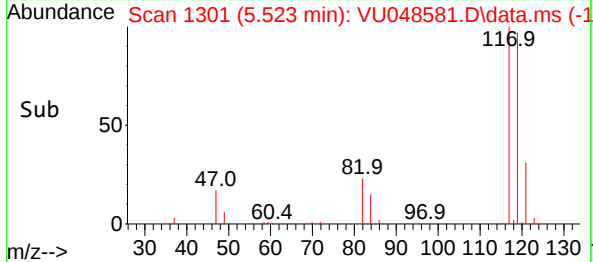
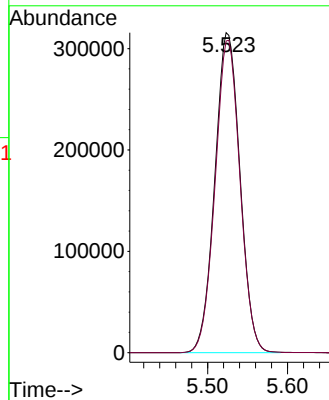
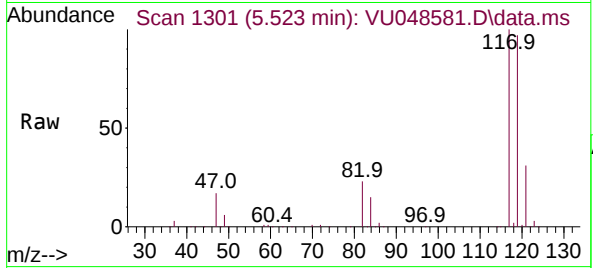




#31
Carbon tetrachloride
Concen: 209.508 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

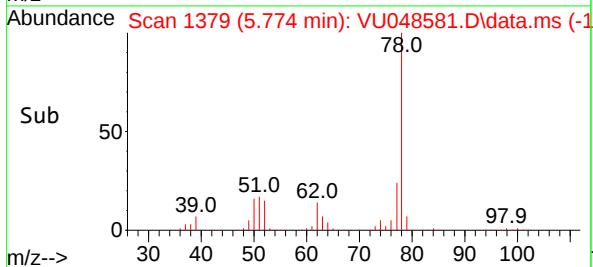
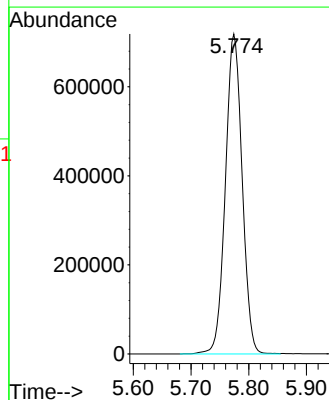
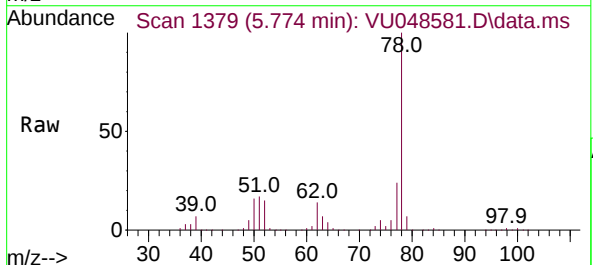
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

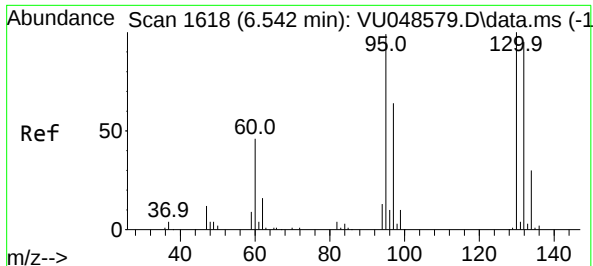
Tgt Ion:117 Resp: 689053
Ion Ratio Lower Upper
117 100
119 96.8 76.0 114.0



#33
Benzene
Concen: 162.432 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 78 Resp: 1448495

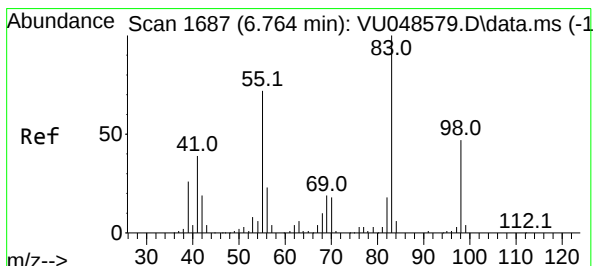
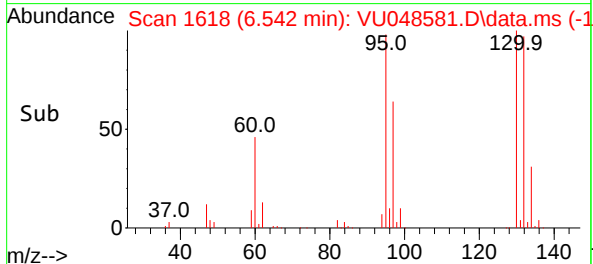
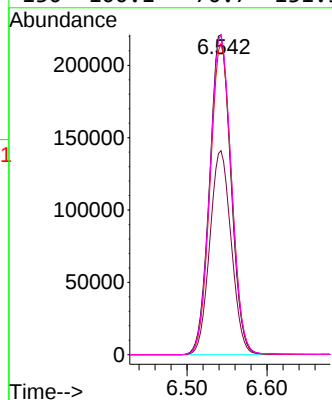
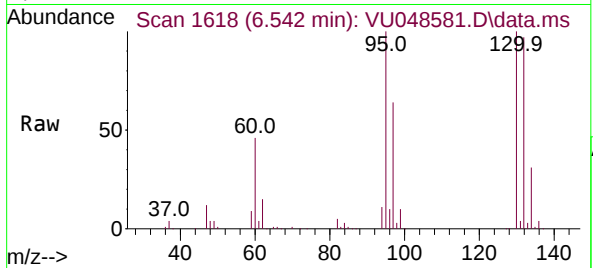




#34
Trichloroethene
Concen: 181.617 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

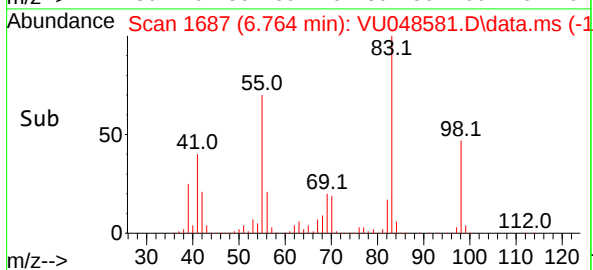
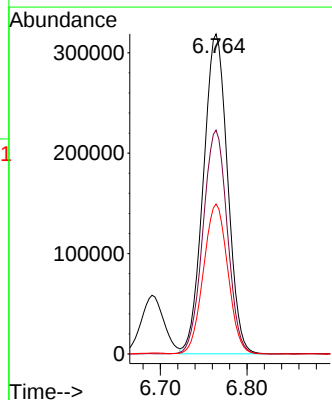
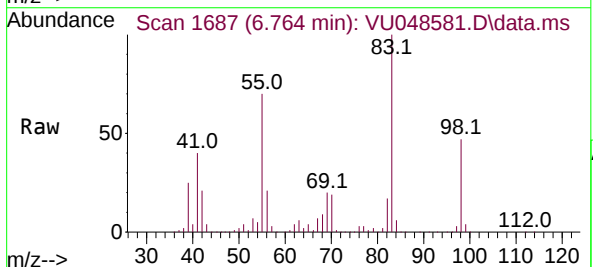
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

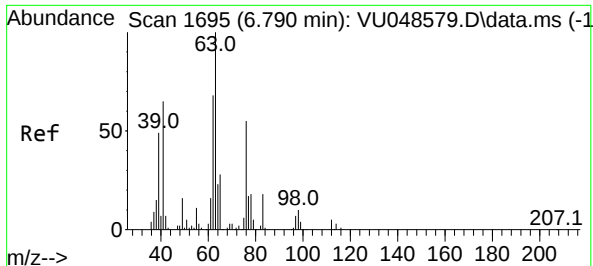
Tgt Ion: 95 Resp: 410470
Ion Ratio Lower Upper
95 100
97 63.8 45.2 84.0
132 97.3 67.3 124.9
130 100.1 70.7 131.3



#35
Methylcyclohexane
Concen: 176.233 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 83 Resp: 618947
Ion Ratio Lower Upper
83 100
55 70.4 56.2 84.4
98 47.3 38.2 57.2





#37

1,2-Dichloropropane

Concen: 148.553 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

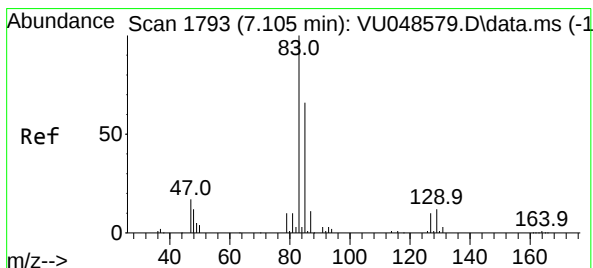
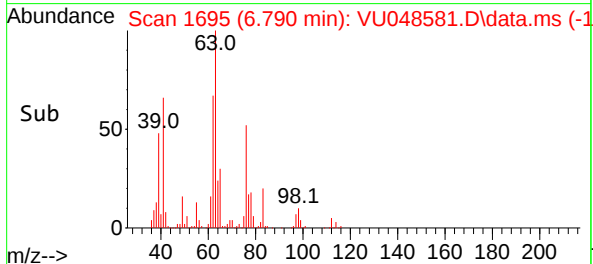
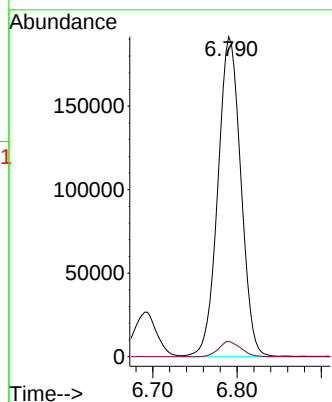
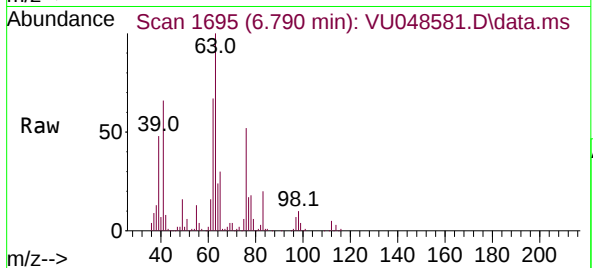
VSTD200072

Tgt Ion: 63 Resp: 362428

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 191.184 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

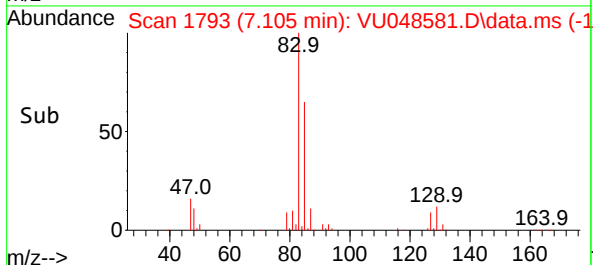
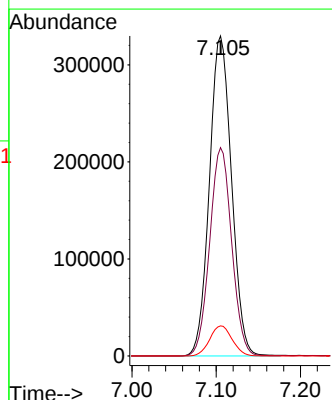
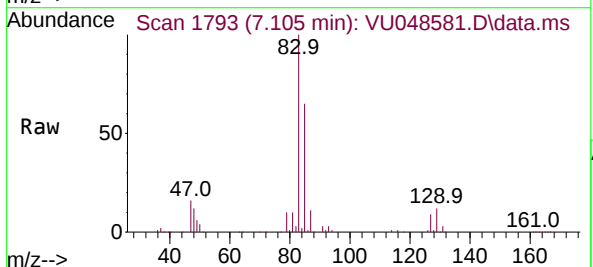
Tgt Ion: 83 Resp: 601024

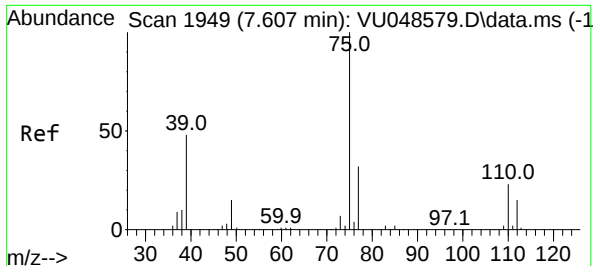
Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5

127 9.4 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 189.951 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

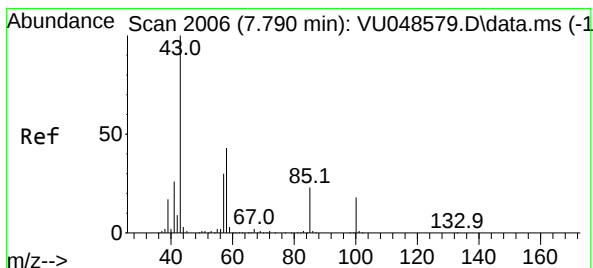
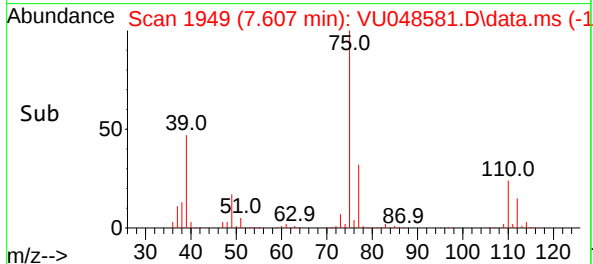
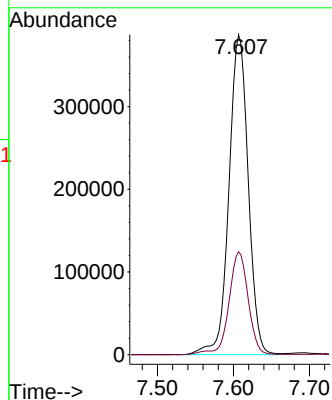
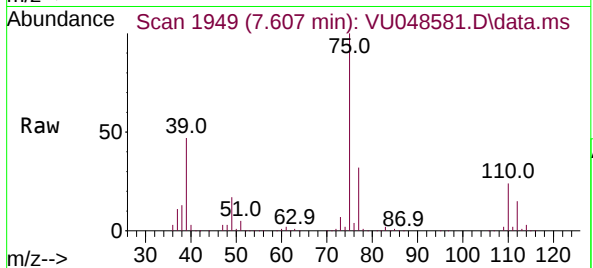
VSTD200072

Tgt Ion: 75 Resp: 681544

Ion Ratio Lower Upper

75 100

77 32.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 299.140 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

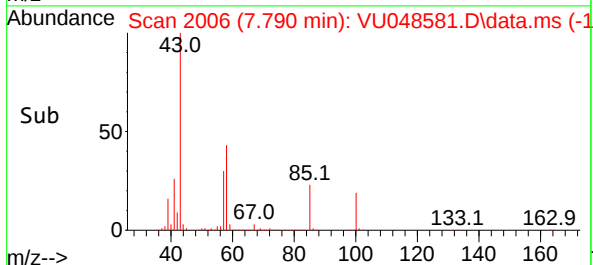
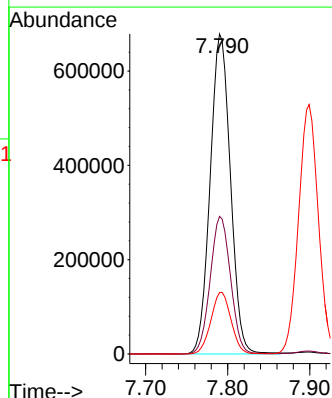
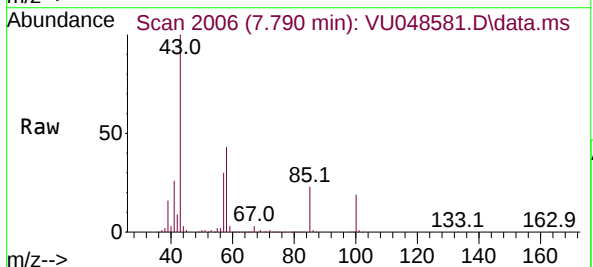
Tgt Ion: 43 Resp: 1165186

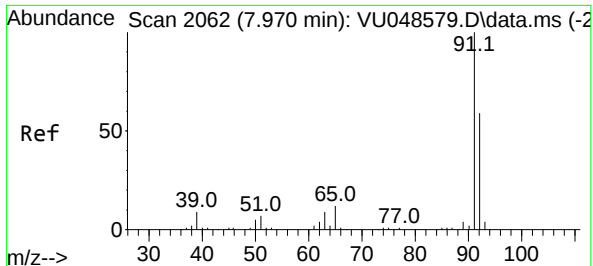
Ion Ratio Lower Upper

43 100

58 43.1 34.3 51.5

100 19.1 14.7 22.1





#42

Toluene

Concen: 174.314 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

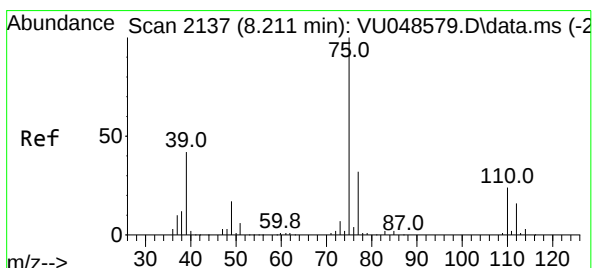
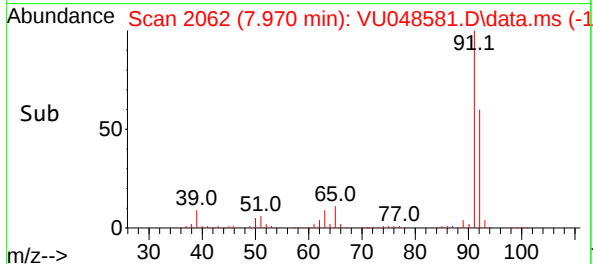
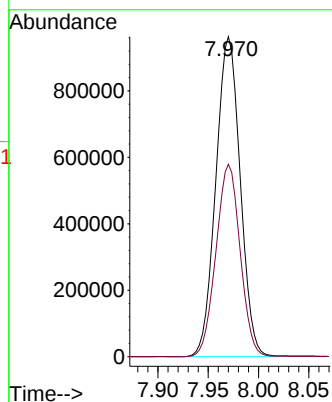
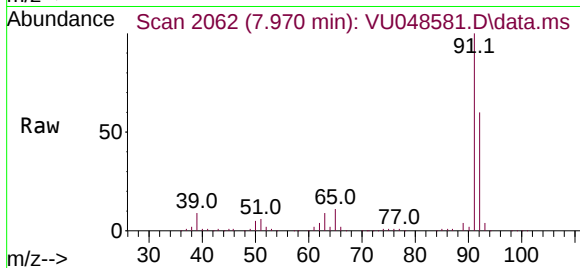
VSTD200072

Tgt Ion: 91 Resp: 1624659

Ion Ratio Lower Upper

91 100

92 60.1 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 196.244 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048581.D

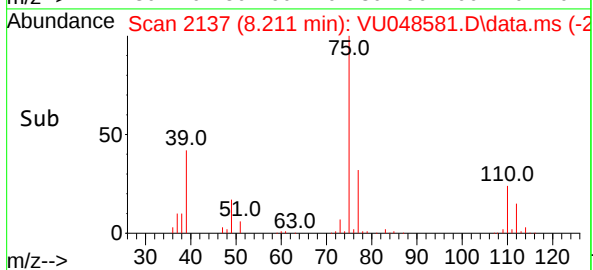
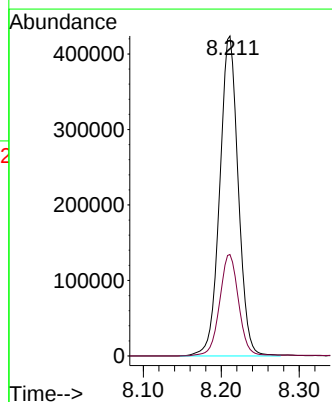
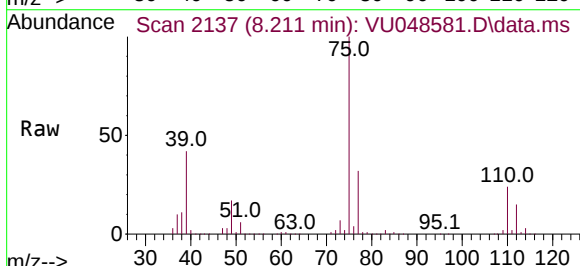
Acq: 16 May 2022 14:15

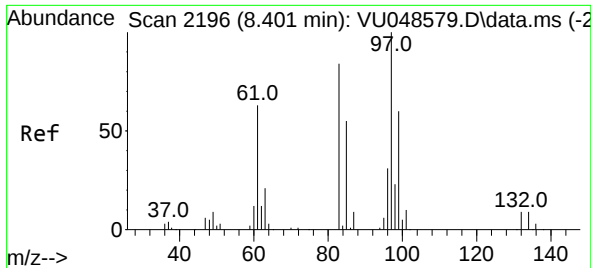
Tgt Ion: 75 Resp: 700029

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



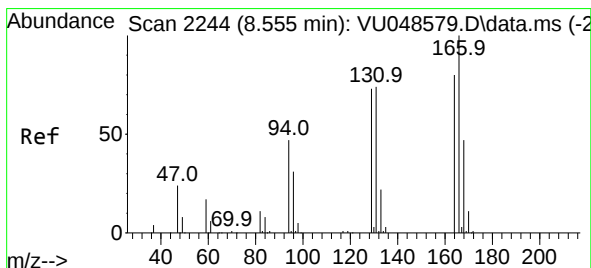
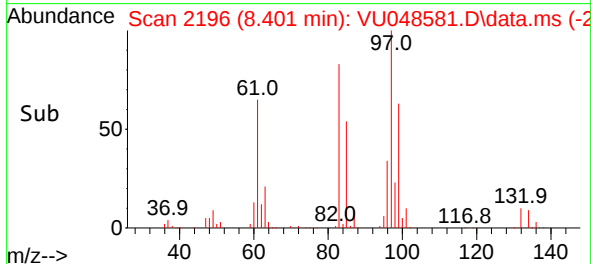
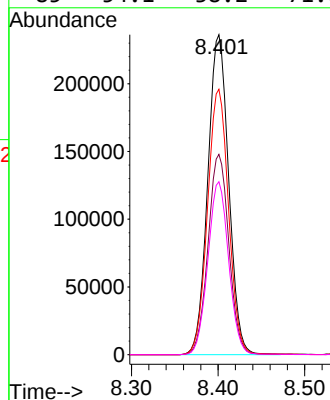
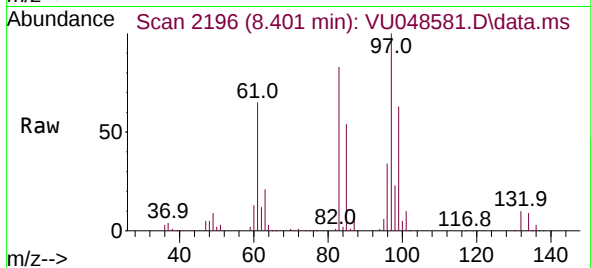


#45
1,1,2-Trichloroethane
Concen: 173.003 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

Tgt Ion: 97 Resp: 395957

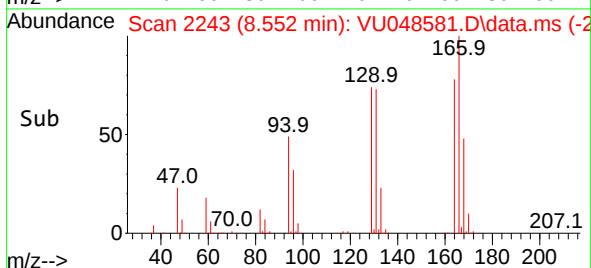
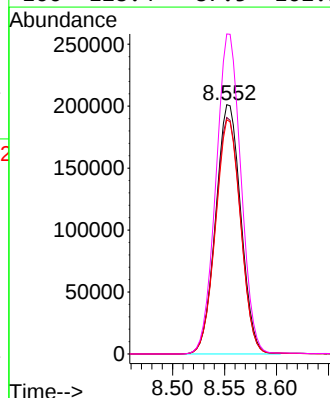
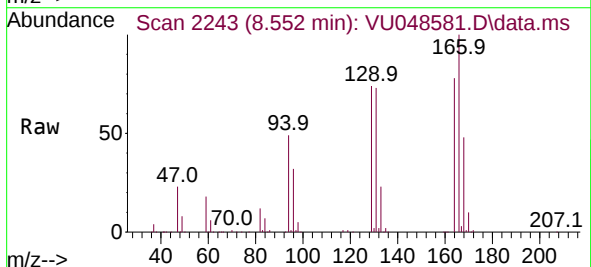
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.2	78.4
83	83.0	58.4	108.6
85	54.1	38.2	71.0

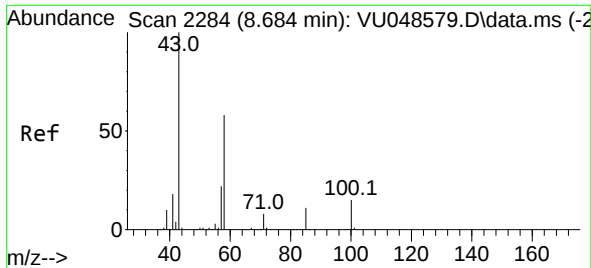


#46
Tetrachloroethene
Concen: 196.399 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 164 Resp: 339828

Ion	Ratio	Lower	Upper
164	100		
129	94.9	64.3	119.3
131	94.0	64.5	119.7
166	128.4	87.5	162.5

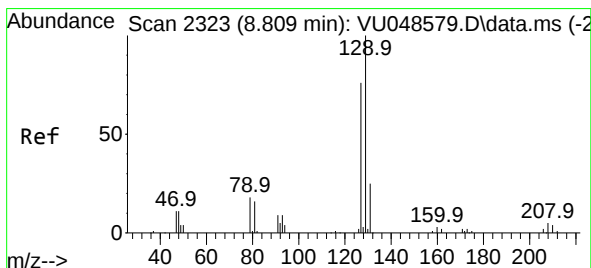
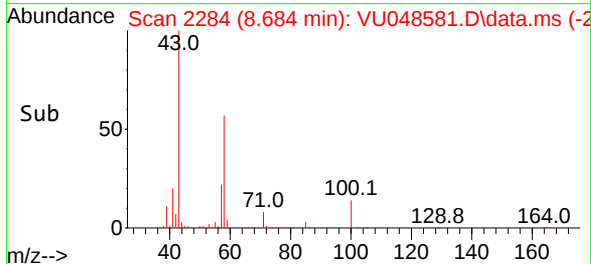
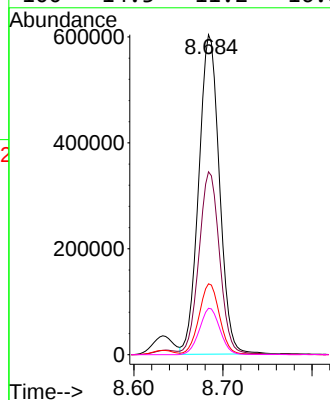
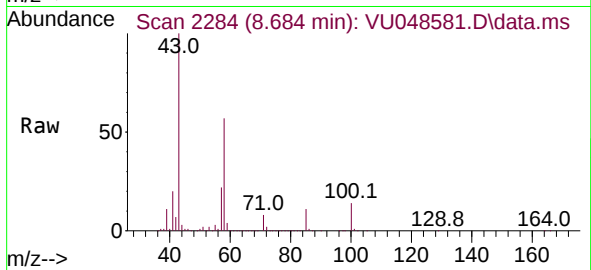




#48
2-Hexanone
Concen: 297.784 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

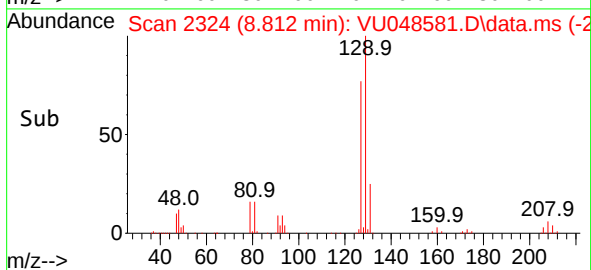
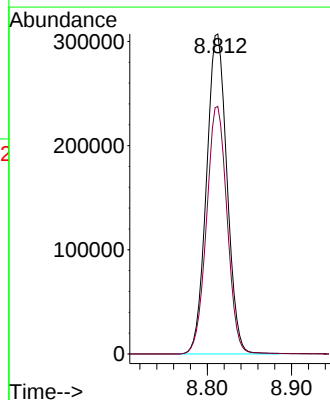
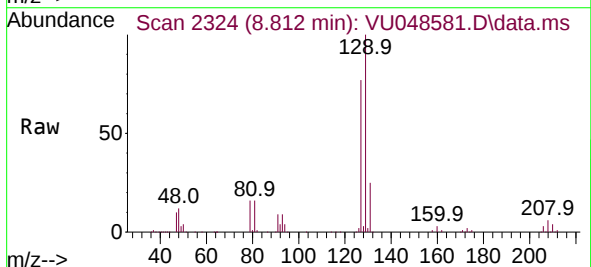
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

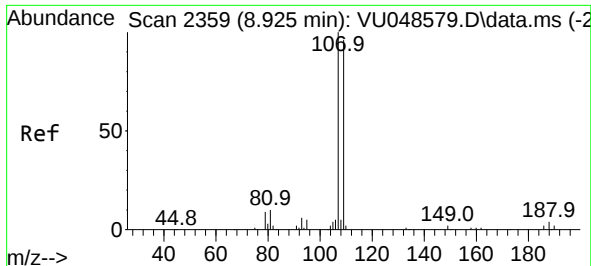
Tgt Ion: 43	Resp: 971994
Ion Ratio	Lower Upper
43 100	
58 57.3	45.8 68.6
57 21.8	16.8 25.2
100 14.3	11.2 16.8



#49
Dibromochloromethane
Concen: 203.933 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:129	Resp: 519721		
Ion Ratio	Lower	Upper	
129 100			
127 77.3	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 186.250 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

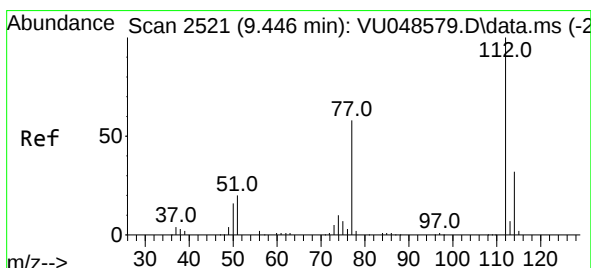
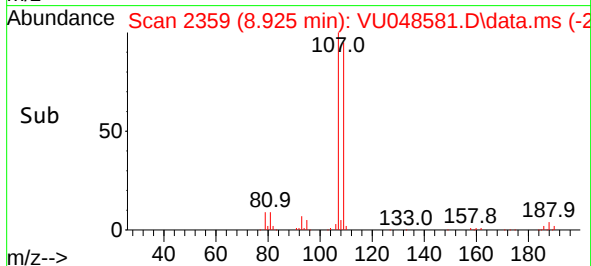
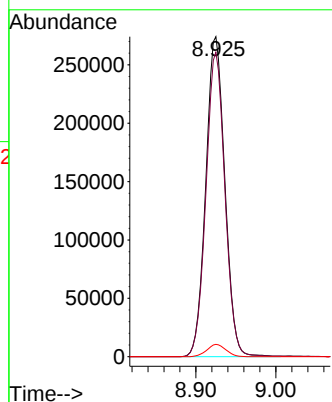
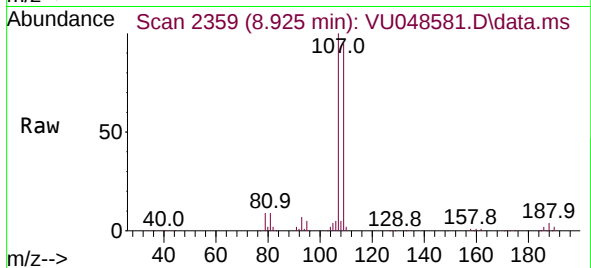
Tgt Ion:107 Resp: 454979

Ion Ratio Lower Upper

107 100

109 95.2 67.5 125.3

188 3.8 3.4 5.2



#51

Chlorobenzene

Concen: 187.386 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

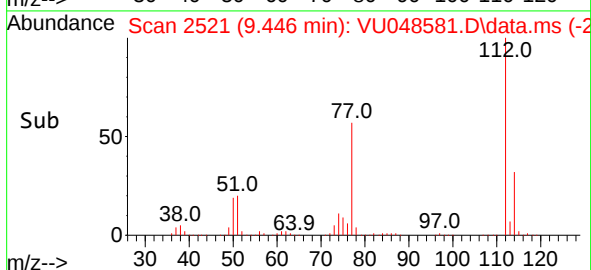
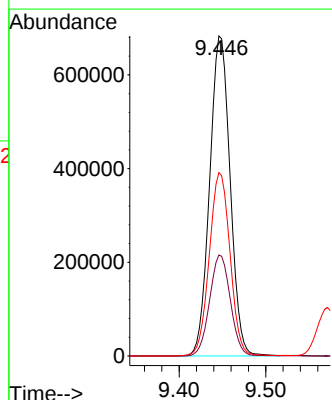
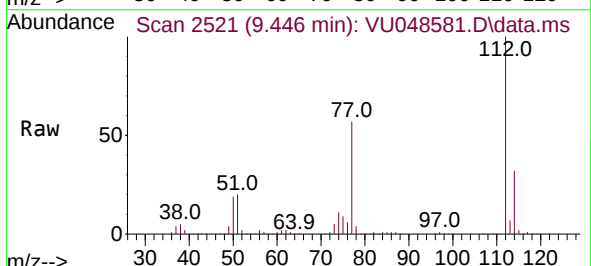
Tgt Ion:112 Resp: 1120788

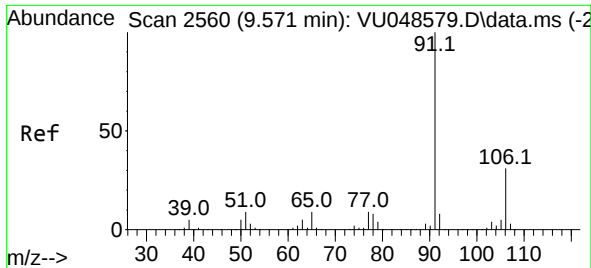
Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 57.3 46.5 69.7

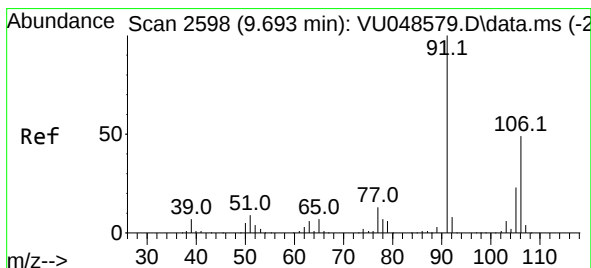
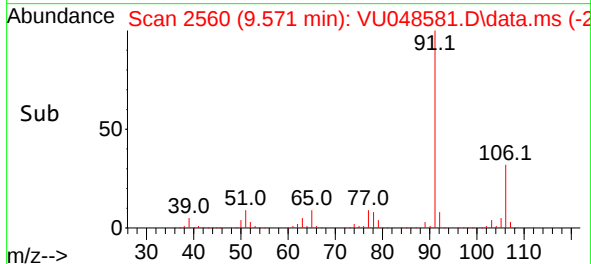
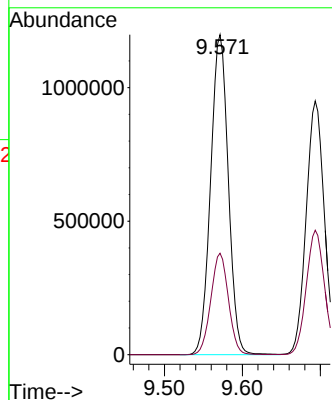
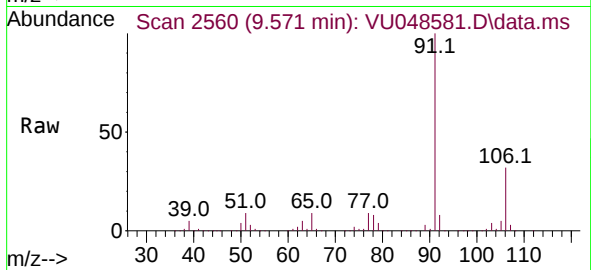




#52
Ethylbenzene
Concen: 192.268 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

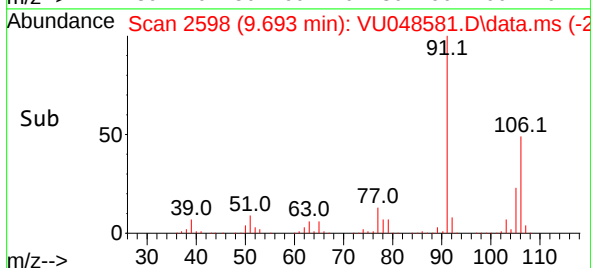
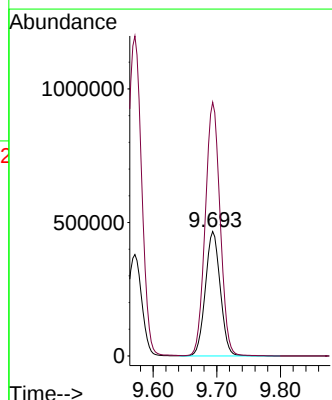
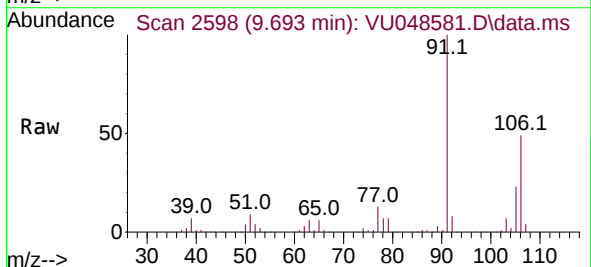
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

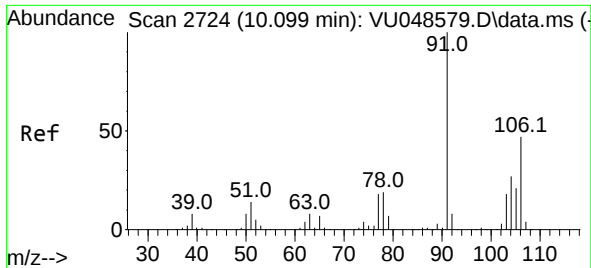
Tgt Ion: 91 Resp: 1890857
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.6



#53
m,p-Xylene
Concen: 197.993 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:106 Resp: 758736
Ion Ratio Lower Upper
106 100
91 203.8 141.8 263.4

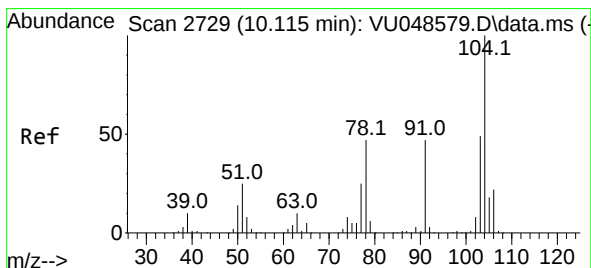
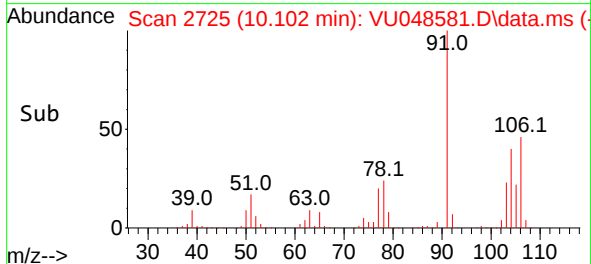
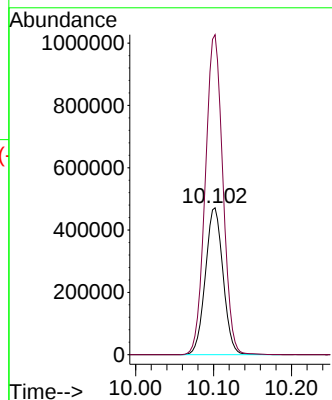
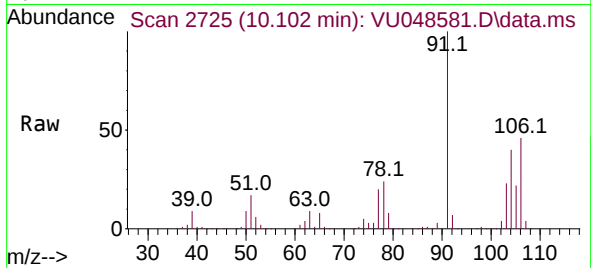




#54
o-Xylene
Concen: 194.459 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

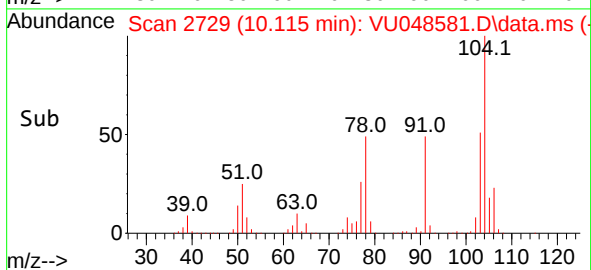
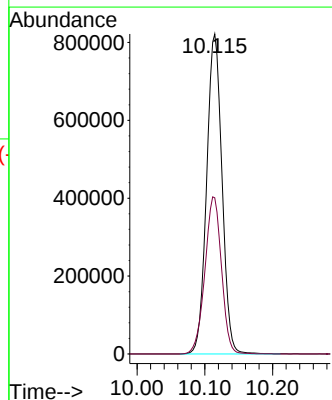
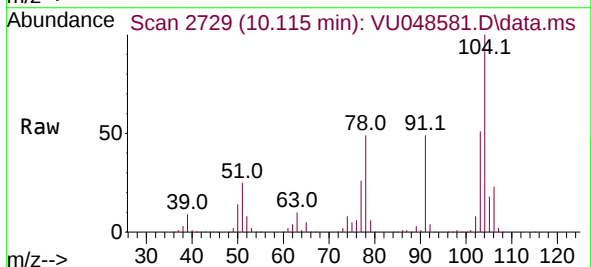
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

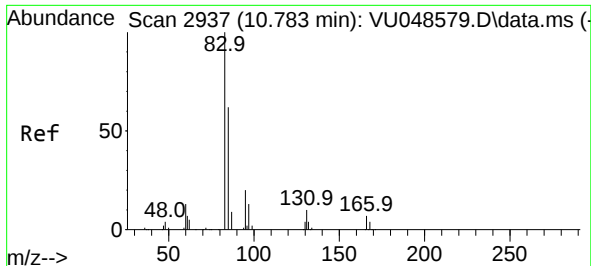
Tgt Ion:106 Resp: 741594
Ion Ratio Lower Upper
106 100
91 217.7 150.1 278.9



#55
Styrene
Concen: 206.330 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:104 Resp: 1294284
Ion Ratio Lower Upper
104 100
78 48.8 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 171.344 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD200072

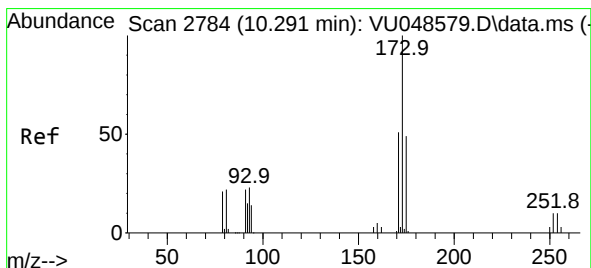
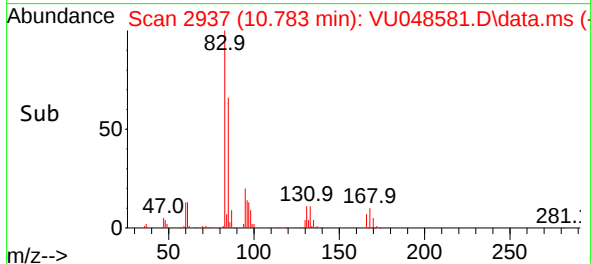
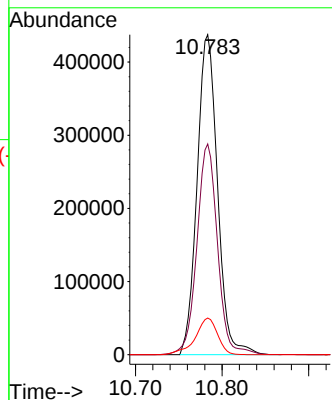
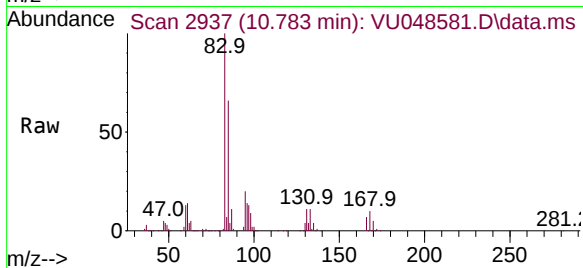
Tgt Ion: 83 Resp: 716523

Ion Ratio Lower Upper

83 100

85 65.9 44.1 81.9

131 11.5 8.9 13.3



#59

Bromoform

Concen: 181.911 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048581.D

Acq: 16 May 2022 14:15

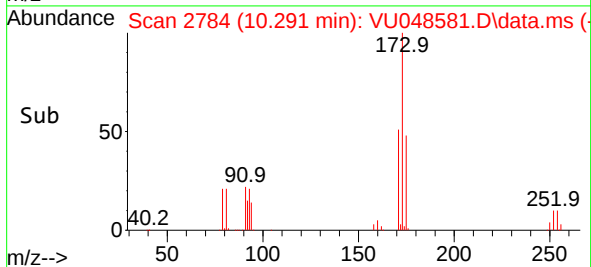
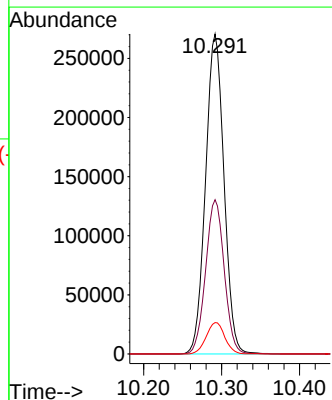
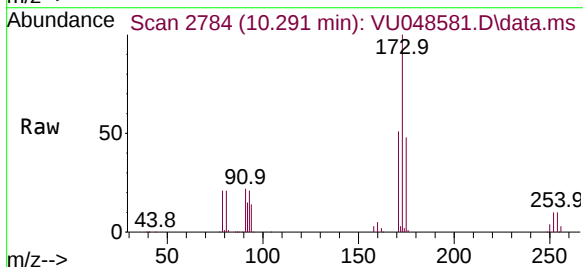
Tgt Ion:173 Resp: 444345

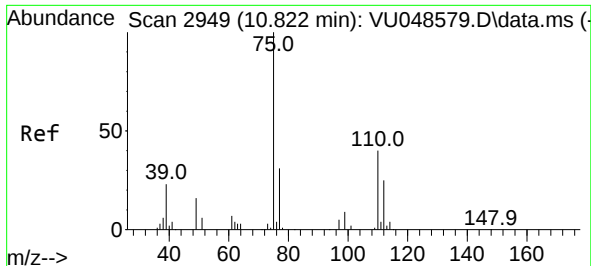
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

254 9.9 7.7 11.5

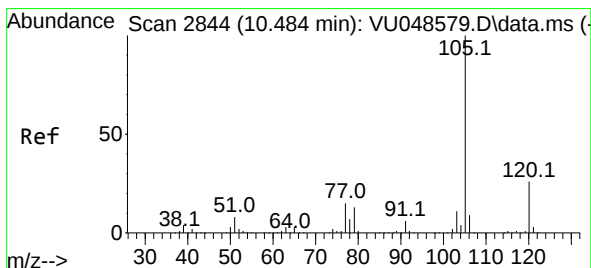
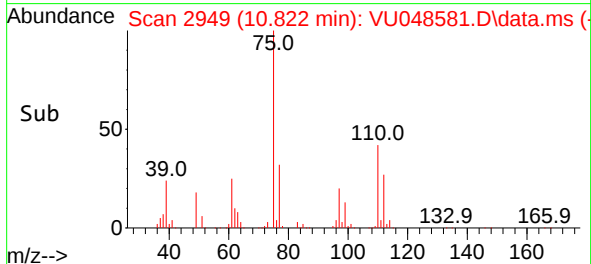
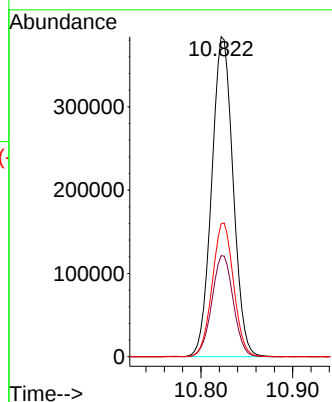
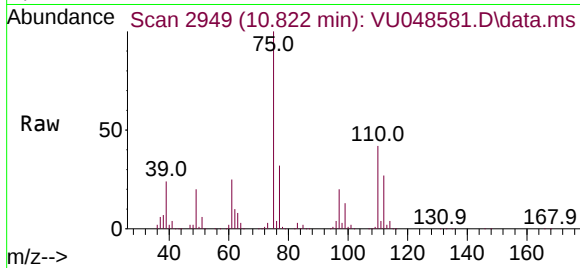




#60
1,2,3-Trichloropropane
Concen: 145.165 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

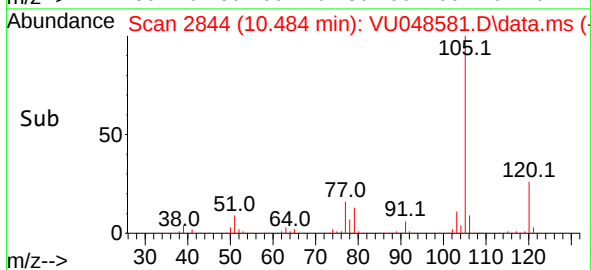
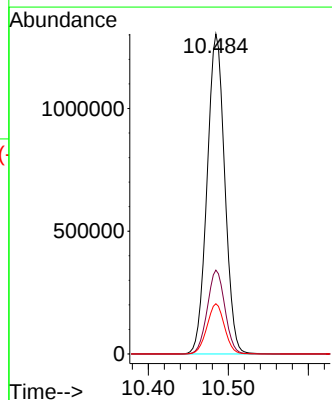
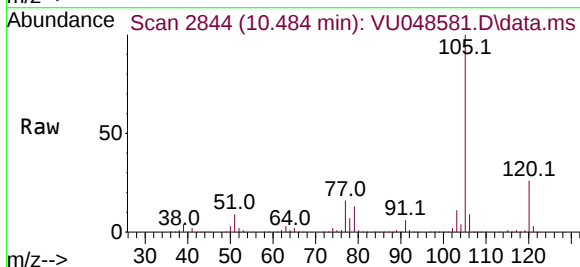
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

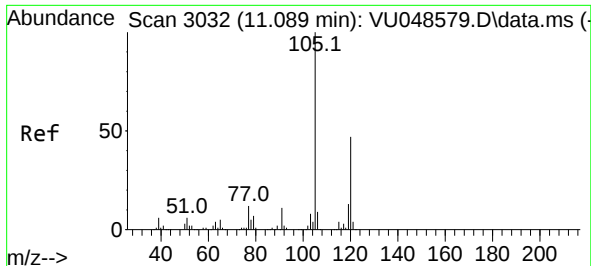
Tgt Ion: 75 Resp: 622538
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
110 41.7 32.1 48.1



#61
Isopropylbenzene
Concen: 169.337 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 105 Resp: 2001365
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 15.6 12.5 18.7

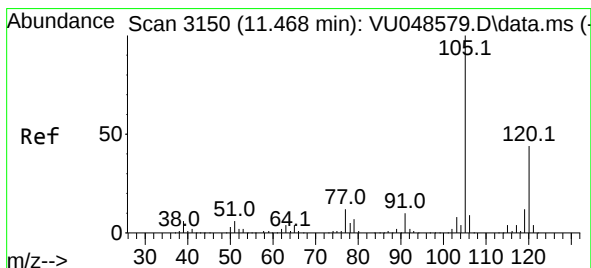
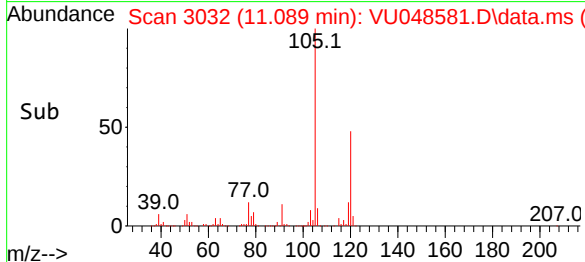
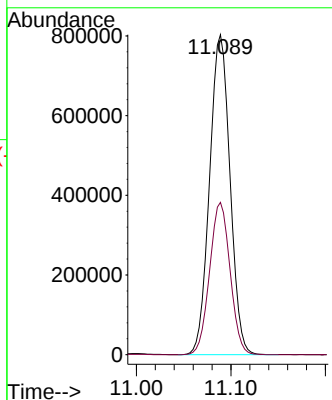
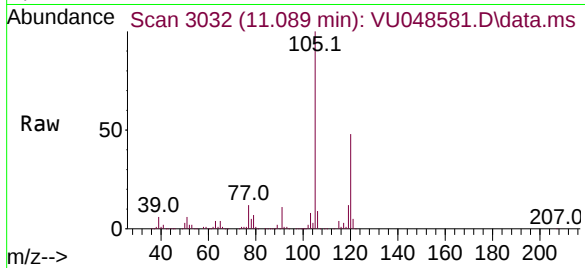




#62
1,3,5-Trimethylbenzene
Concen: 183.616 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

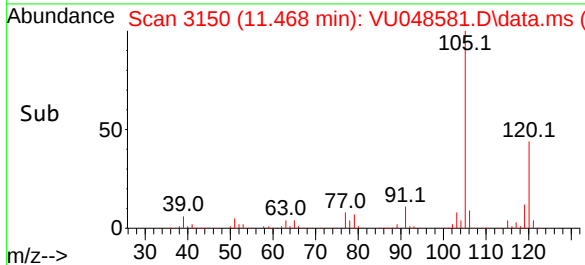
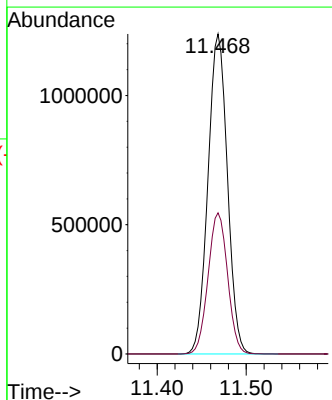
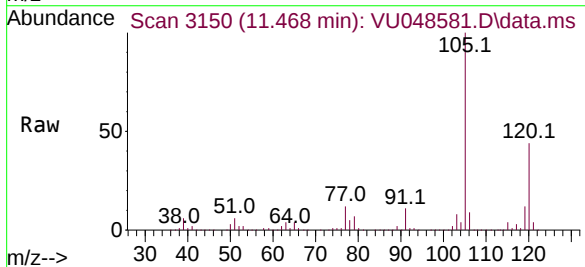
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

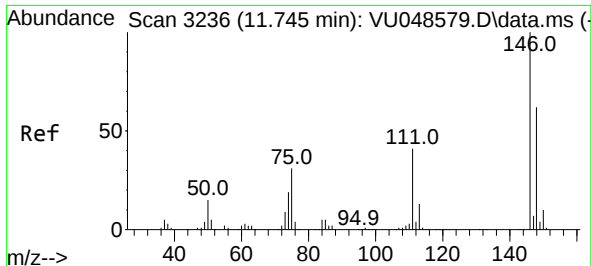
Tgt Ion:105 Resp: 1205861
Ion Ratio Lower Upper
105 100
120 47.6 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 190.913 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:105 Resp: 1873339
Ion Ratio Lower Upper
105 100
120 44.2 35.4 53.2

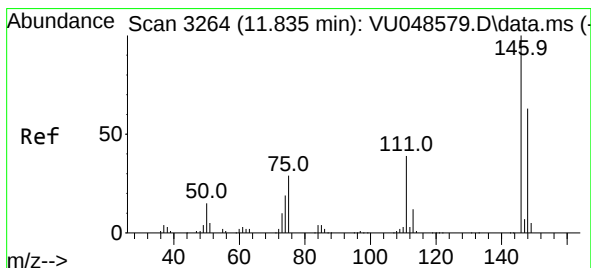
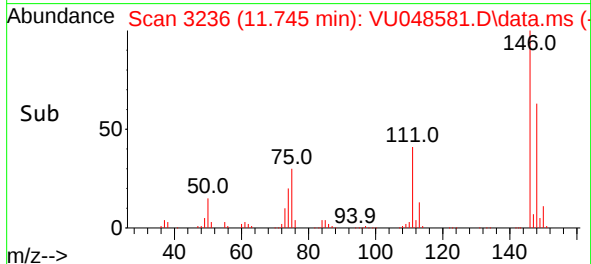
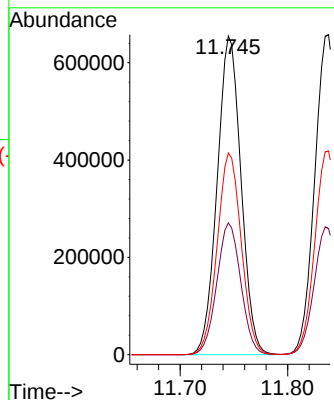
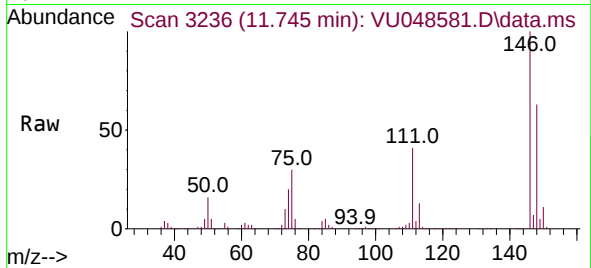




#64
1,3-Dichlorobenzene
Concen: 179.233 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

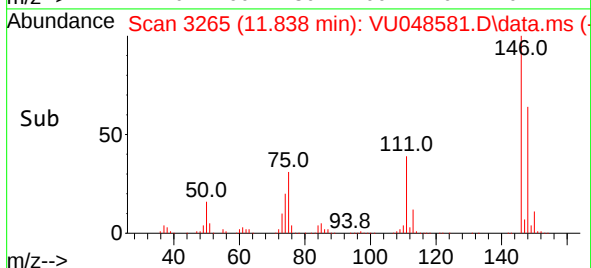
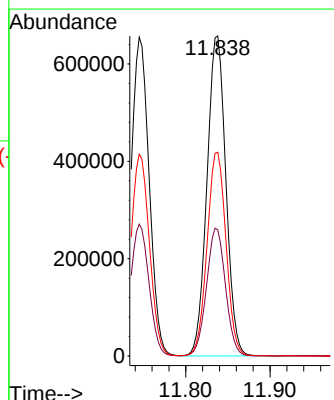
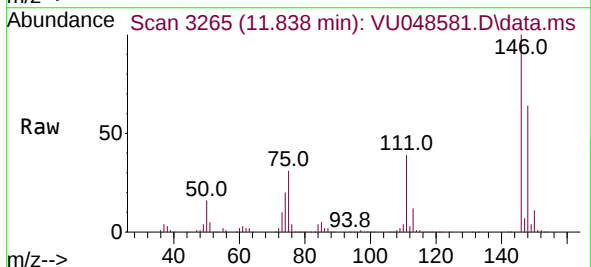
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

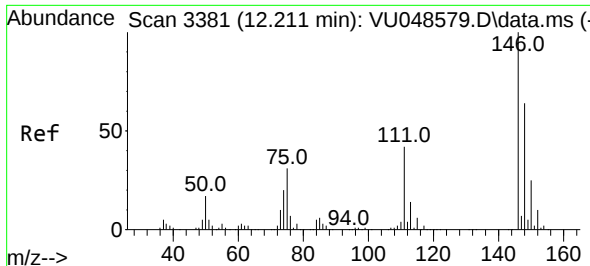
Tgt Ion:146 Resp: 1009776
Ion Ratio Lower Upper
146 100
111 41.4 28.7 53.3
148 63.3 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 181.009 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:146 Resp: 1026350
Ion Ratio Lower Upper
146 100
111 39.4 27.6 51.2
148 63.6 44.2 82.2

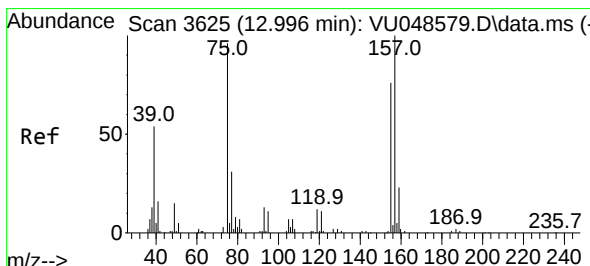
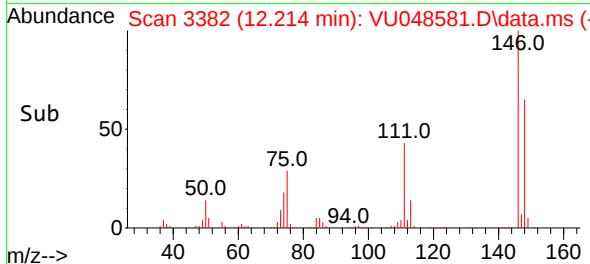
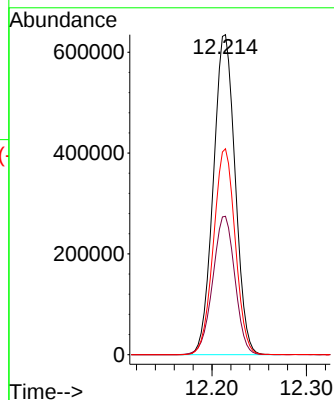
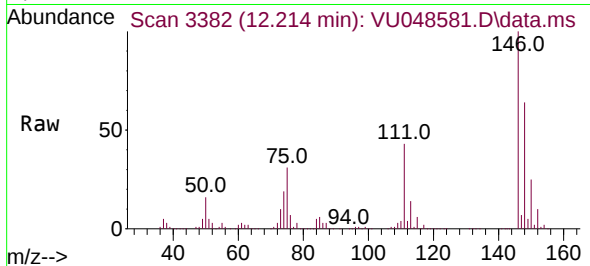




#67
1,2-Dichlorobenzene
Concen: 177.183 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

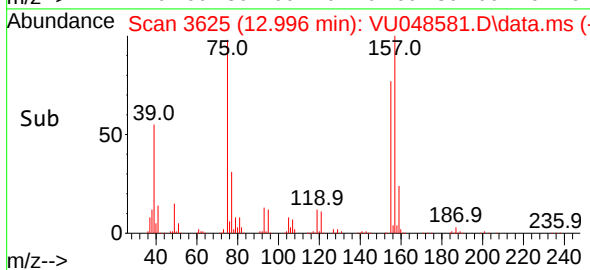
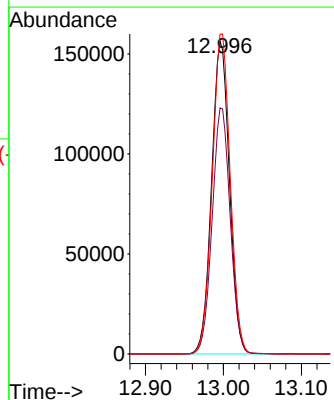
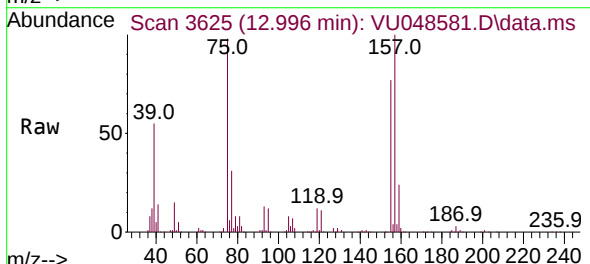
Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

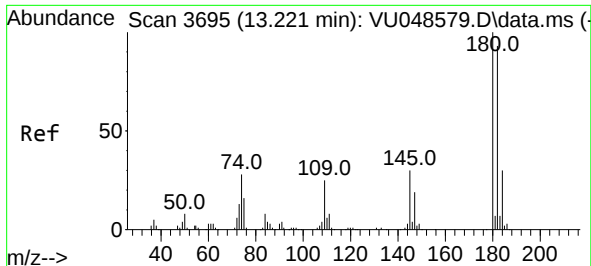
Tgt Ion:146 Resp: 1016473
Ion Ratio Lower Upper
146 100
111 43.3 34.1 51.1
148 64.4 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 189.570 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion: 75 Resp: 249968
Ion Ratio Lower Upper
75 100
155 78.7 63.5 95.3
157 102.3 83.5 125.3

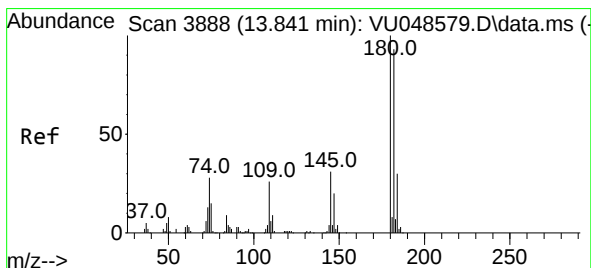
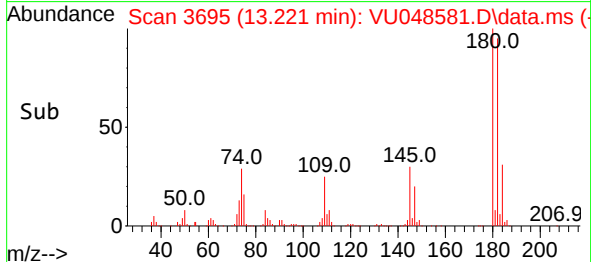
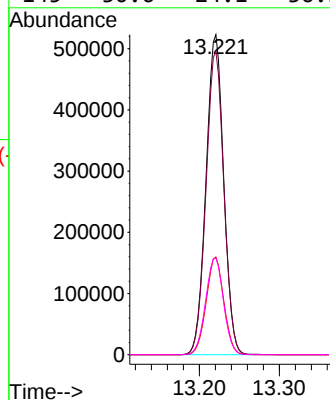
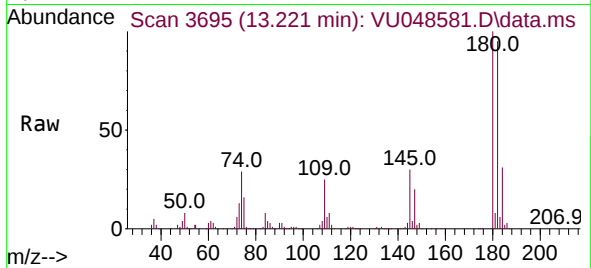




#69
 1,3,5-Trichlorobenzene
 Concen: 197.680 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048581.D
 Acq: 16 May 2022 14:15

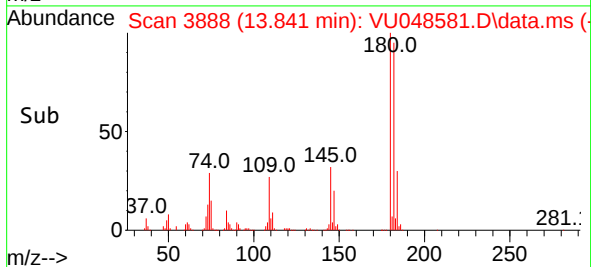
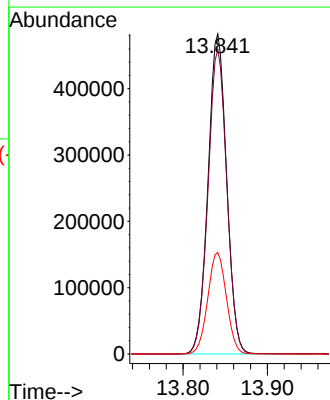
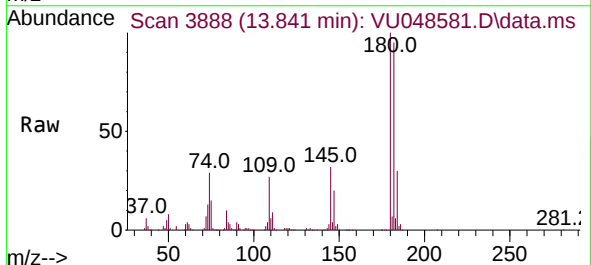
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200072

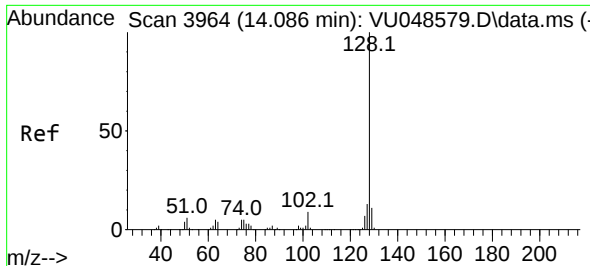
Tgt Ion:	180	Resp:	805814
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
184	30.3	23.4	35.2
145	30.6	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 204.791 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048581.D
 Acq: 16 May 2022 14:15

Tgt Ion:	180	Resp:	741404
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	31.8	24.9	37.3

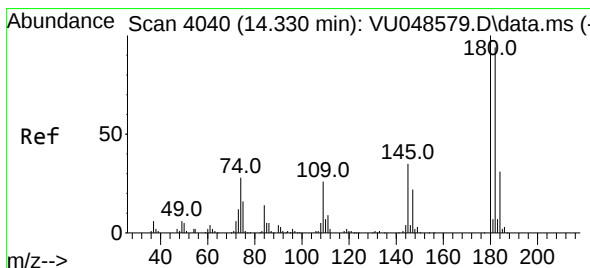
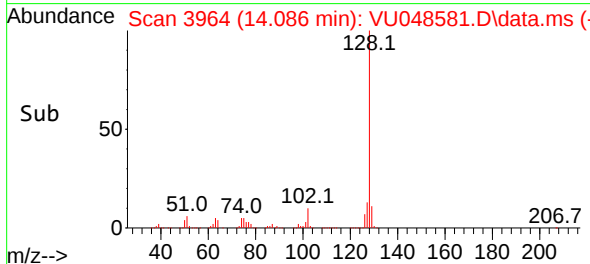
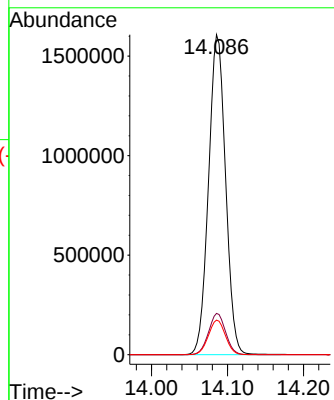
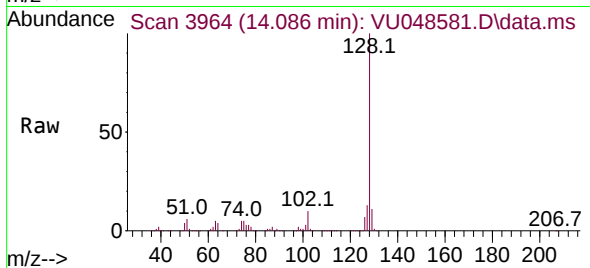




#71
Naphthalene
Concen: 182.287 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD200072

Tgt Ion:128 Resp: 2499820
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 188.595 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048581.D
Acq: 16 May 2022 14:15

Tgt Ion:180 Resp: 717637
Ion Ratio Lower Upper
180 100
182 95.9 75.6 113.4
145 33.5 27.1 40.7

