

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112921\
 Data File : VU046018.D
 Acq On : 29 Nov 2021 12:23
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010032

Quant Time: Nov 30 01:54:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 30 01:52:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	185717	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	188107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	96460	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	15217	10.091	ug/L	0.00
7) Chloroethane-d5	1.919	69	12374	10.249	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	28425	10.610	ug/L	0.00
21) 2-Butanone-d5	4.649	46	24848	19.921	ug/L	0.00
24) Chloroform-d	5.067	84	25161	9.425	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	17644	9.986	ug/L	0.00
32) Benzene-d6	5.732	84	54158	9.460	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	17371	9.499	ug/L	0.00
41) Toluene-d8	7.899	98	49866	9.888	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	7646	8.859	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	13628	14.267	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	25295	9.251	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	18689	9.751	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	22015	12.850	ug/L	98
3) Chloromethane	1.523	50	19052	9.800	ug/L	99
5) Vinyl chloride	1.607	62	19481	10.570	ug/L	100
6) Bromomethane	1.864	94	11116	11.471	ug/L	91
8) Chloroethane	1.938	64	11347	10.276	ug/L	97
9) Trichlorofluoromethane	2.144	101	25804	11.548	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	15038	11.174	ug/L	97
12) 1,1-Dichloroethene	2.584	96	13769	10.878	ug/L	93
13) Acetone	2.665	43	34287	30.157	ug/L	99
14) Carbon disulfide	2.800	76	42988	11.675	ug/L	100
15) Methyl Acetate	2.964	43	20306	11.663	ug/L	98
16) Methylene chloride	3.051	84	16937	10.959	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	14578	10.743	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	43620	9.419	ug/L	99
19) 1,1-Dichloroethane	3.874	63	26809	10.136	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	15785	10.318	ug/L	100
22) 2-Butanone	4.726	43	38419	26.187	ug/L	99
23) Bromochloromethane	4.977	128	8080	10.867	ug/L	96
25) Chloroform	5.092	83	30864	11.444	ug/L	96
27) 1,2-Dichloroethane	5.800	62	22908	10.565	ug/L	100
29) Cyclohexane	5.395	56	22512	8.645	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	25226	10.695	ug/L	97
31) Carbon tetrachloride	5.530	117	20597	10.819	ug/L	98
33) Benzene	5.777	78	62444	9.853	ug/L	100
34) Trichloroethene	6.546	95	16357	10.569	ug/L	98
35) Methylcyclohexane	6.768	83	23129	8.688	ug/L	95
37) 1,2-Dichloropropane	6.793	63	16252	9.676	ug/L	98
38) Bromodichloromethane	7.108	83	21108	9.906	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	22332	8.710	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	46405	18.729	ug/L	99
42) Toluene	7.973	91	66174	9.960	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	21923	8.953	ug/L	95

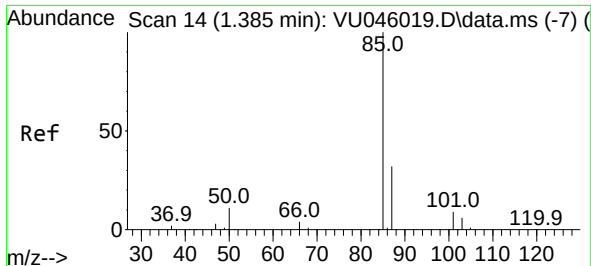
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112921\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	17040	10.838	ug/L	99
46) Tetrachloroethene	8.555	164	11911	10.753	ug/L	93
48) 2-Hexanone	8.687	43	43143	20.588	ug/L	99
49) Dibromochloromethane	8.809	129	16718	10.808	ug/L	97
50) 1,2-Dibromoethane	8.925	107	17544	10.525	ug/L	96
51) Chlorobenzene	9.449	112	42978	10.616	ug/L	98
52) Ethylbenzene	9.571	91	67789	9.555	ug/L	98
53) m,p-Xylene	9.693	106	26415	9.726	ug/L	98
54) o-xylene	10.102	106	26301	9.827	ug/L	99
55) Styrene	10.115	104	43079	9.544	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	27902	10.121	ug/L	98
59) Bromoform	10.291	173	11678	10.582	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	24086	10.487	ug/L	99
61) Isopropylbenzene	10.488	105	66496	9.532	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	51717	8.731	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	51533	8.597	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	32215	10.364	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	33110	10.492	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	32606	10.216	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	5751	8.682	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	22191	9.655	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	18925	9.057	ug/L	99
71) Naphthalene	14.086	128	63629	8.098	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	20785	9.714	ug/L	98

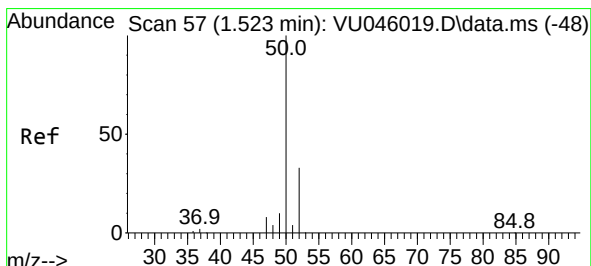
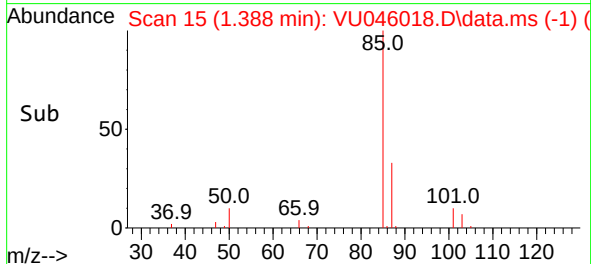
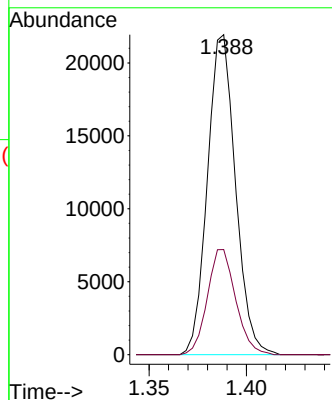
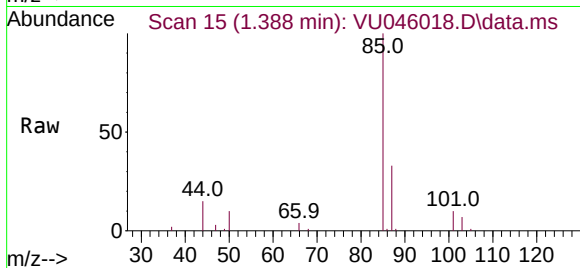
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 12.850 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

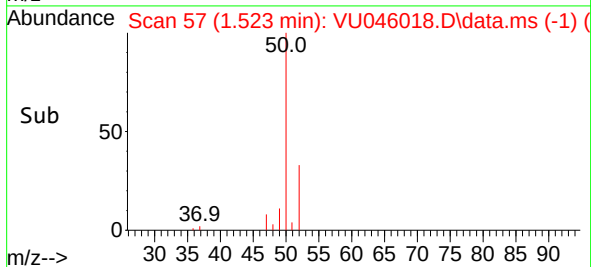
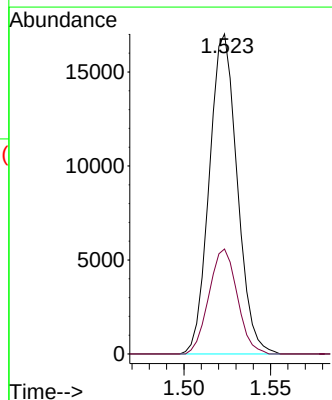
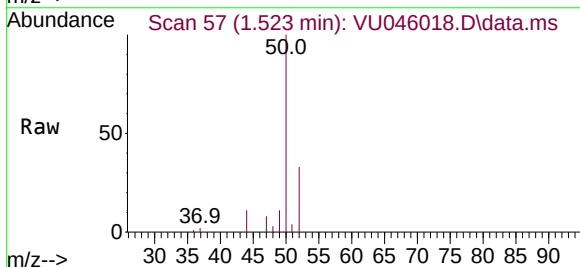
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

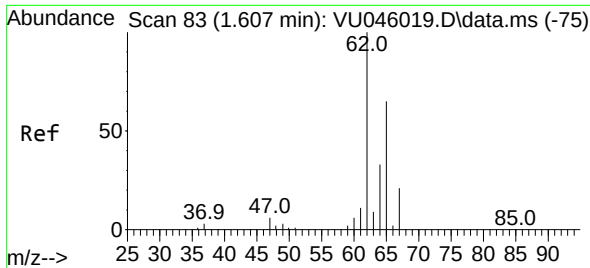
Tgt Ion: 85 Resp: 22015
Ion Ratio Lower Upper
85 100
87 33.2 25.7 38.5



#3
Chloromethane
Concen: 9.800 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 50 Resp: 19052
Ion Ratio Lower Upper
50 100
52 32.8 23.2 43.2

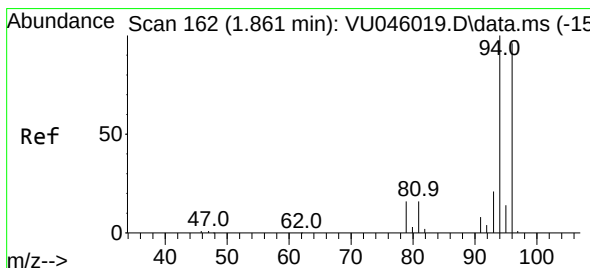
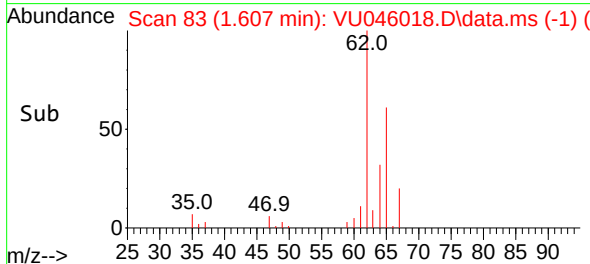
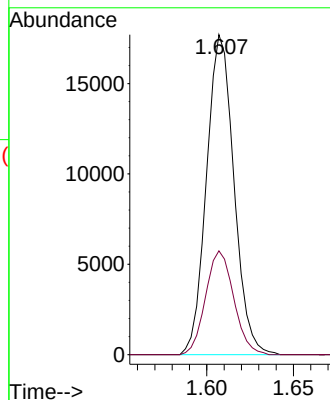
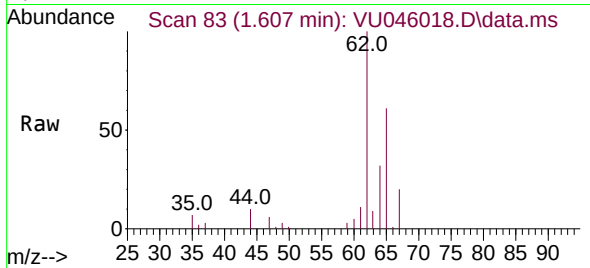




#5
 Vinyl chloride
 Concen: 10.570 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

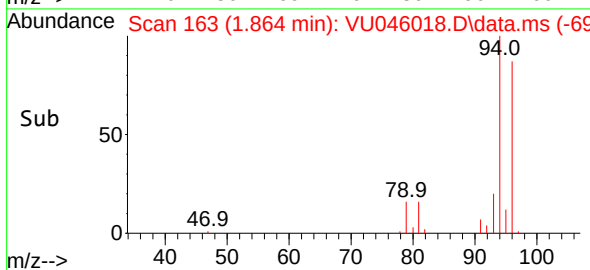
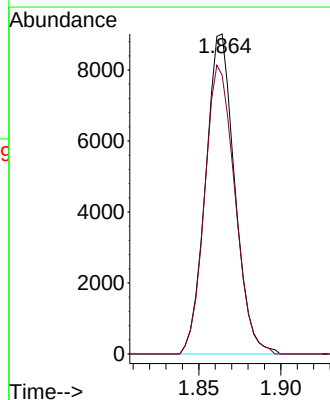
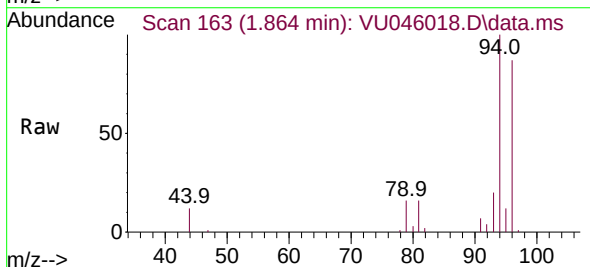
Instrument :
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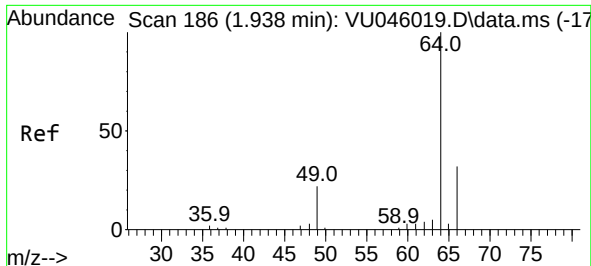
Tgt Ion: 62 Resp: 19481
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.9 42.5



#6
 Bromomethane
 Concen: 11.471 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

Tgt Ion: 94 Resp: 11116
 Ion Ratio Lower Upper
 94 100
 96 87.1 67.4 125.2

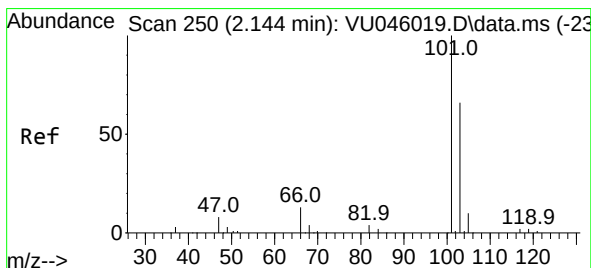
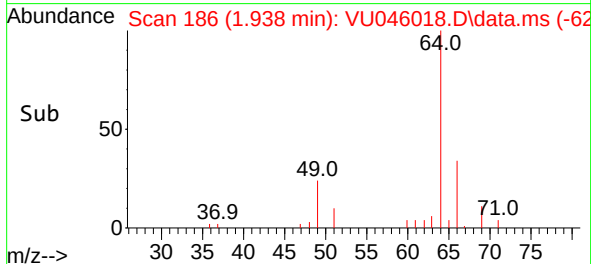
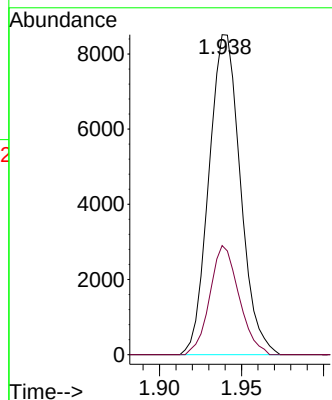
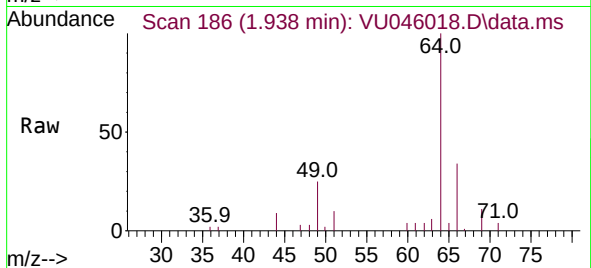




#8
Chloroethane
Concen: 10.276 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

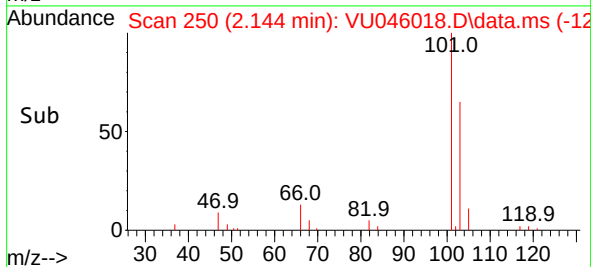
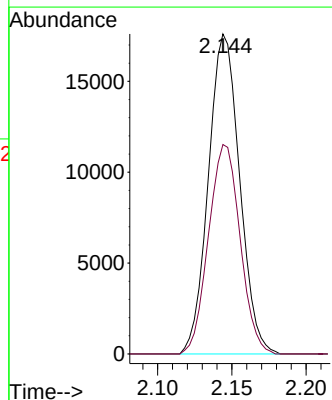
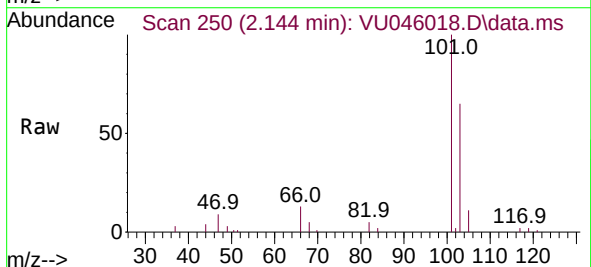
Instrument :
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ClientSampleId :
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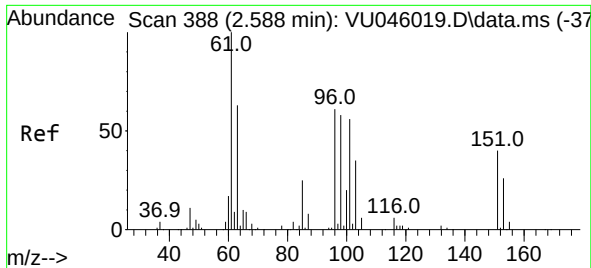
Tgt Ion: 64 Resp: 11347
Ion Ratio Lower Upper
64 100
66 34.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 11.548 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:101 Resp: 25804
Ion Ratio Lower Upper
101 100
103 66.0 51.8 77.6

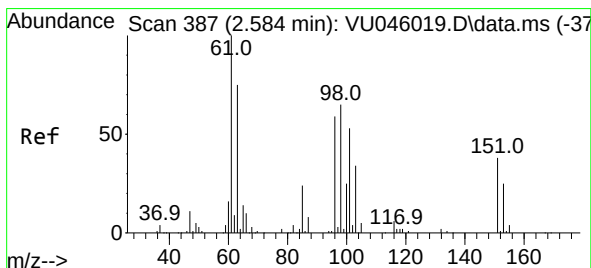
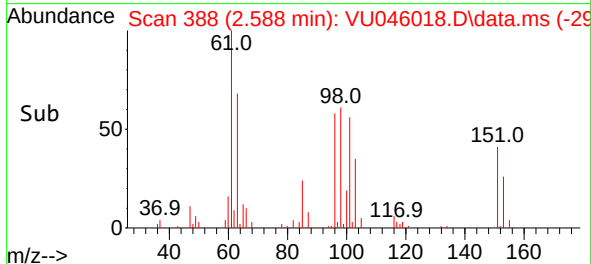
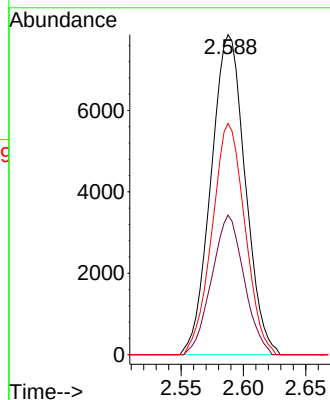
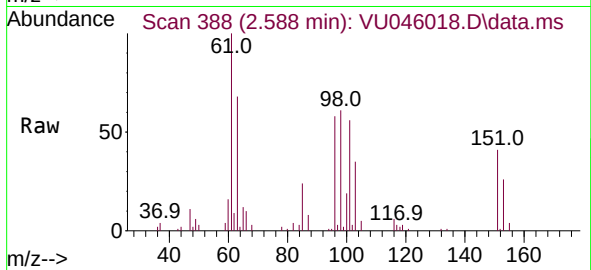




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.174 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

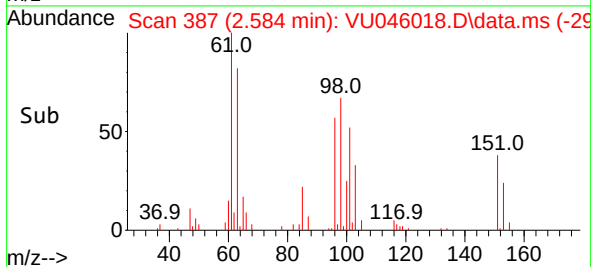
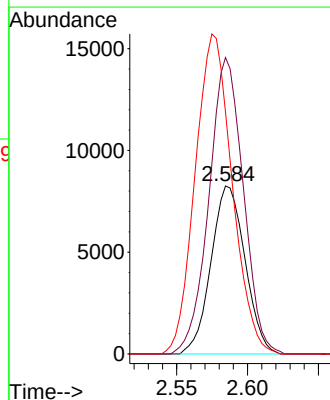
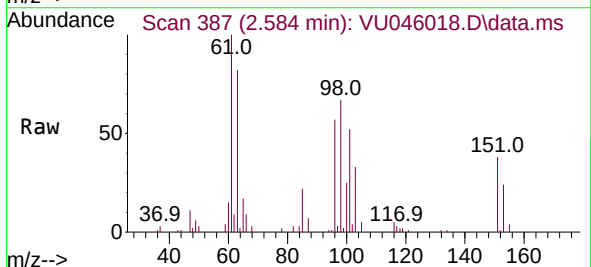
Instrument :
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 ClientSampleId :
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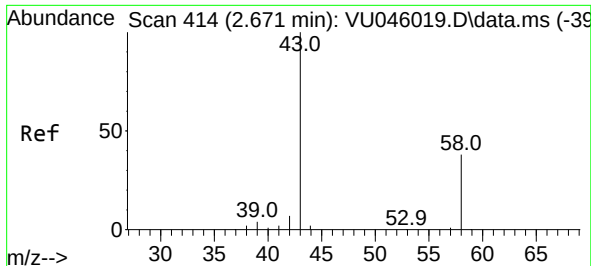
Tgt Ion:101 Resp: 15038
 Ion Ratio Lower Upper
 101 100
 85 41.2 35.1 52.7
 151 69.5 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 10.878 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

Tgt Ion: 96 Resp: 13769
 Ion Ratio Lower Upper
 96 100
 61 176.4 118.6 220.2
 63 144.1 93.0 172.8





#13

Acetone

Concen: 30.157 ug/L

RT: 2.665 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

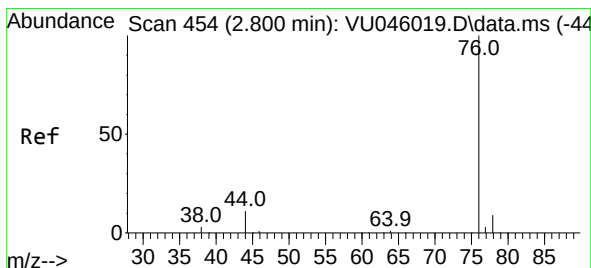
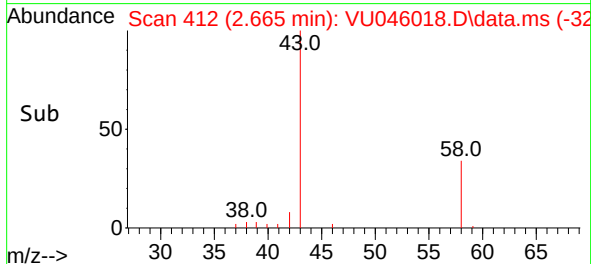
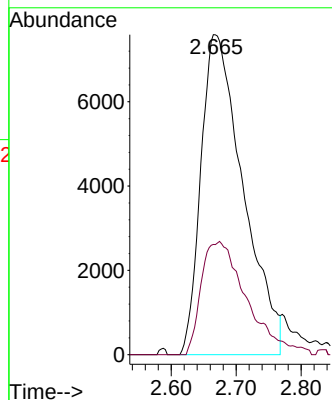
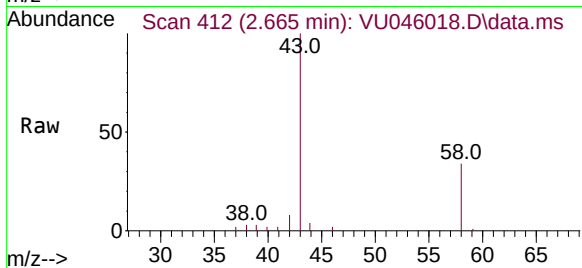
VSTD010032

Tgt Ion: 43 Resp: 34287

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.8



#14

Carbon disulfide

Concen: 11.675 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046018.D

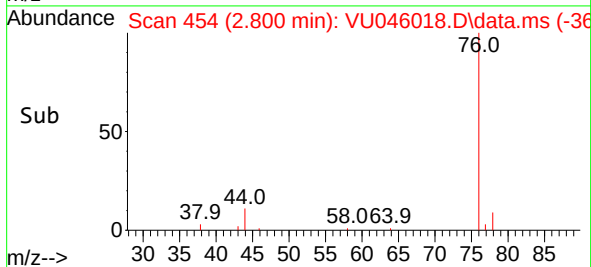
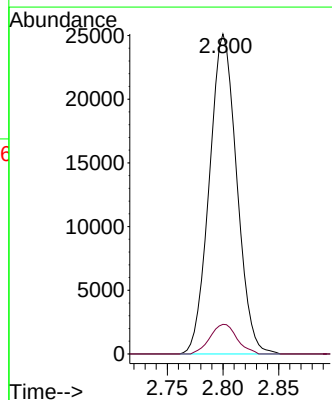
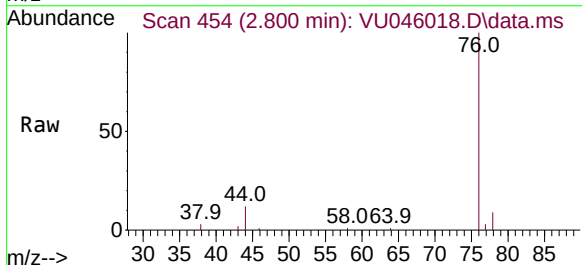
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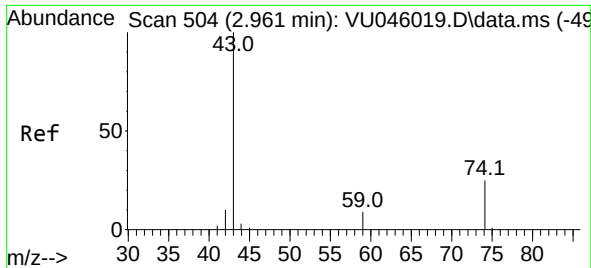
Tgt Ion: 76 Resp: 42988

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

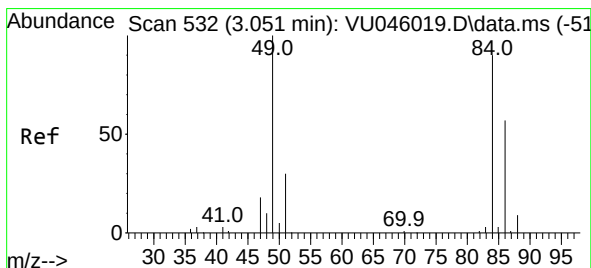
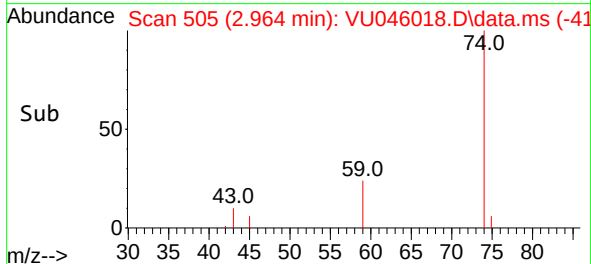
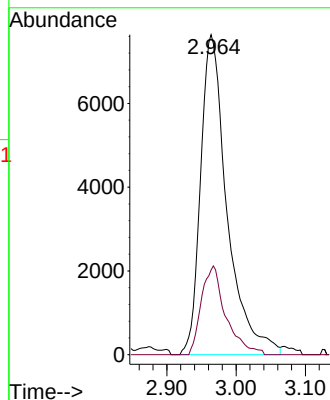
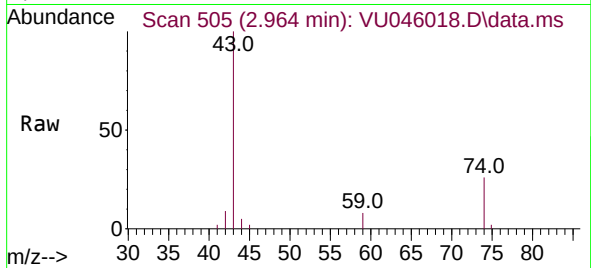




#15
Methyl Acetate
Concen: 11.663 ug/L
RT: 2.964 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

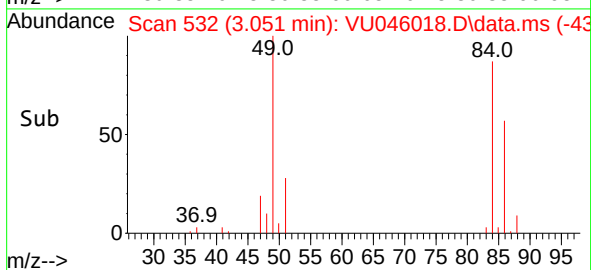
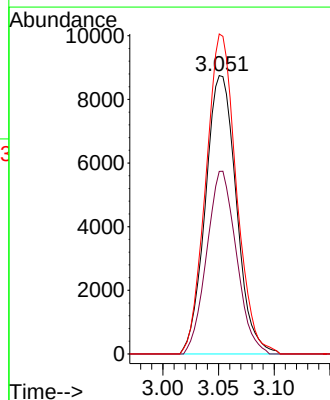
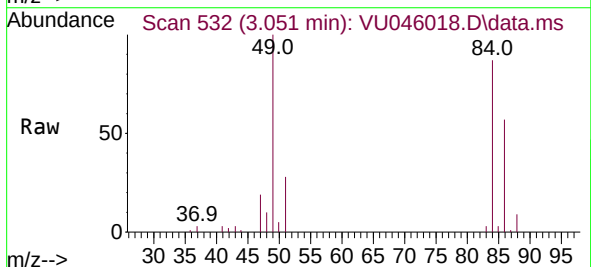
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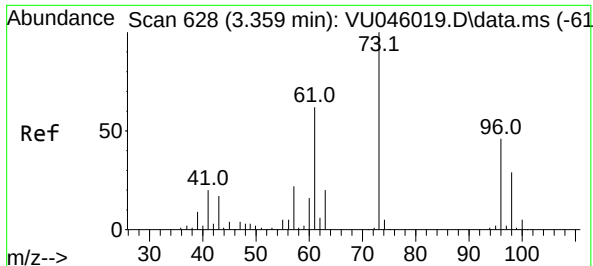
Tgt Ion: 43 Resp: 20306
Ion Ratio Lower Upper
43 100
74 24.9 20.8 31.2



#16
Methylene chloride
Concen: 10.959 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 84 Resp: 16937
Ion Ratio Lower Upper
84 100
86 65.6 44.7 83.1
49 115.0 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 10.743 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD010032

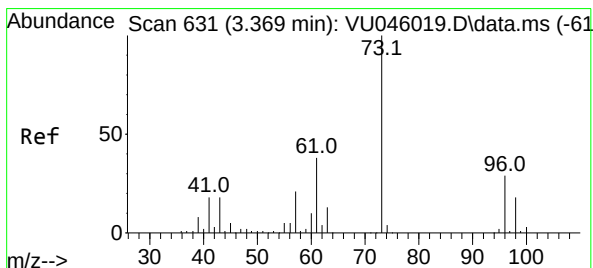
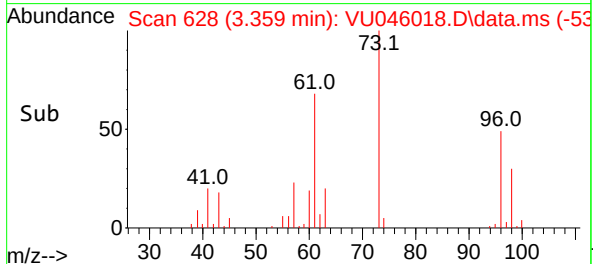
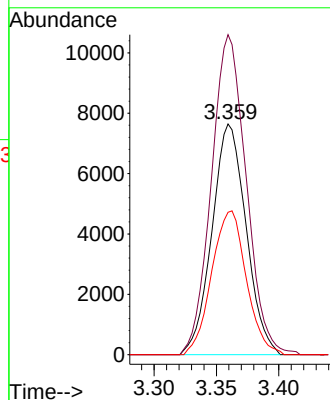
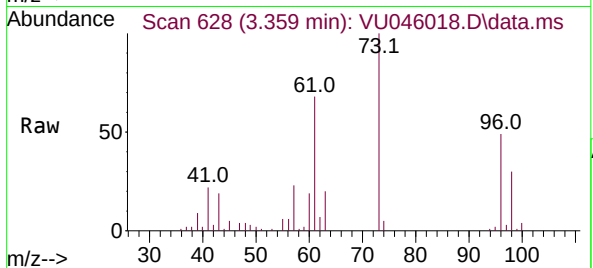
Tgt Ion: 96 Resp: 14578

Ion Ratio Lower Upper

96 100

61 138.7 94.6 175.6

98 61.7 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 9.419 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

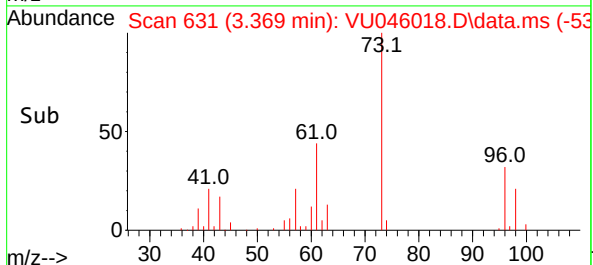
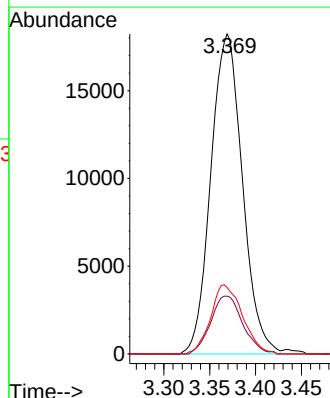
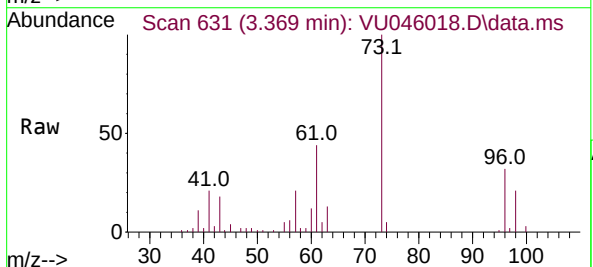
Tgt Ion: 73 Resp: 43620

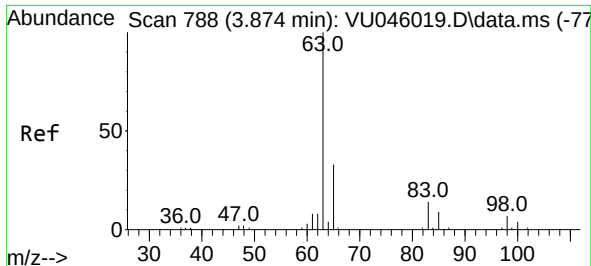
Ion Ratio Lower Upper

73 100

43 18.3 14.0 21.0

57 21.8 17.0 25.4





#19

1,1-Dichloroethane

Concen: 10.136 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD010032

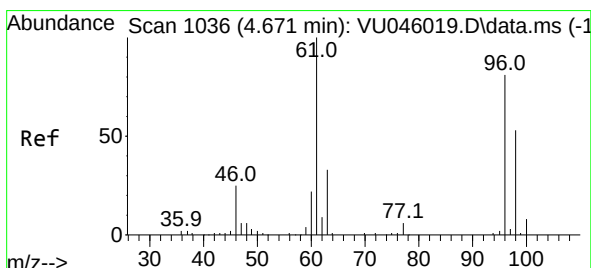
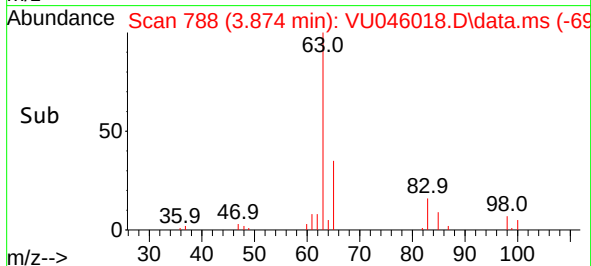
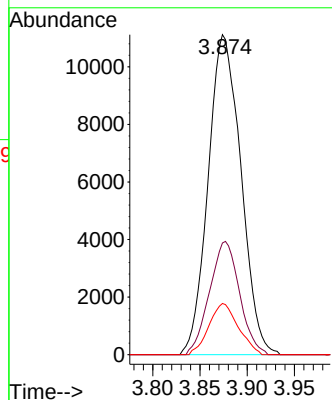
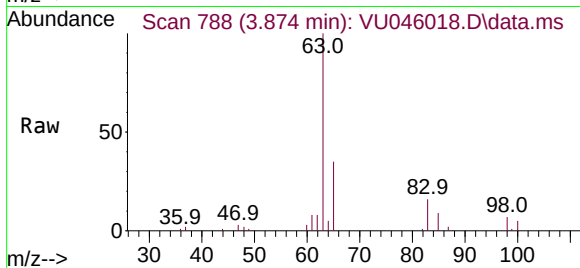
Tgt Ion: 63 Resp: 26809

Ion Ratio Lower Upper

63 100

65 34.9 22.8 42.4

83 16.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 10.318 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

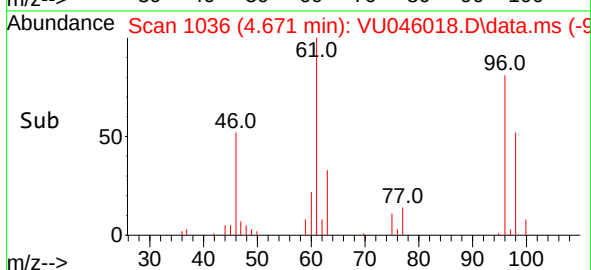
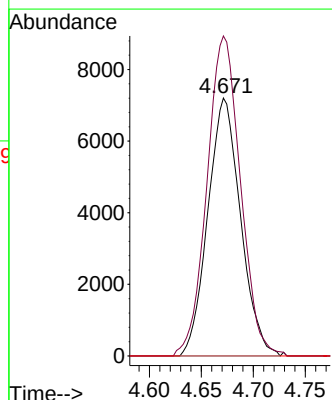
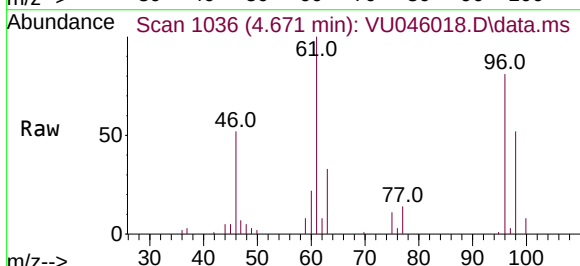
Tgt Ion: 96 Resp: 15785

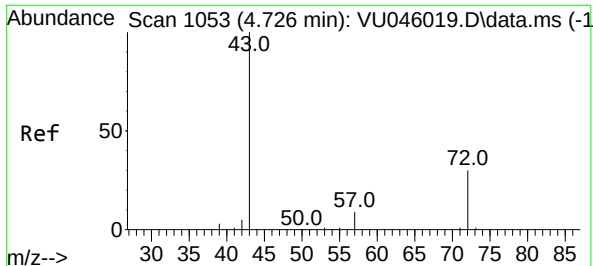
Ion Ratio Lower Upper

96 100

61 124.0 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 26.187 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

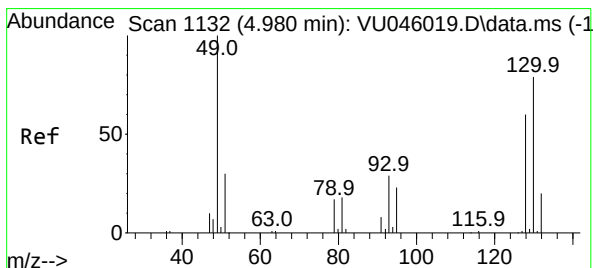
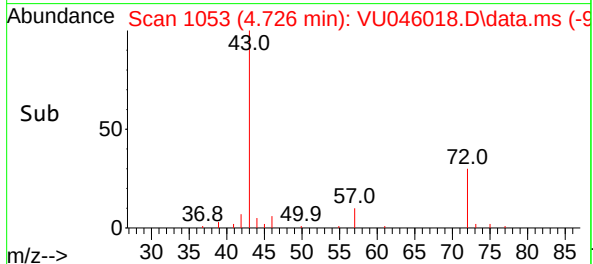
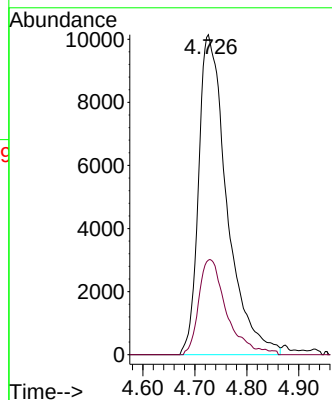
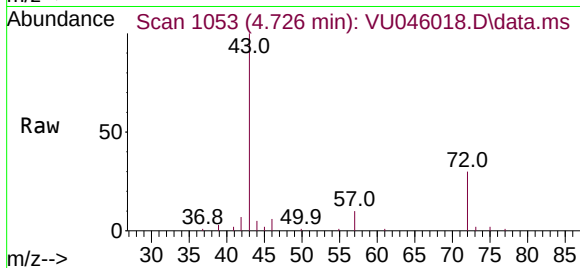
VSTD010032

Tgt Ion: 43 Resp: 38419

Ion Ratio Lower Upper

43 100

72 28.3 14.5 43.6



#23

Bromochloromethane

Concen: 10.867 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Tgt Ion: 128 Resp: 8080

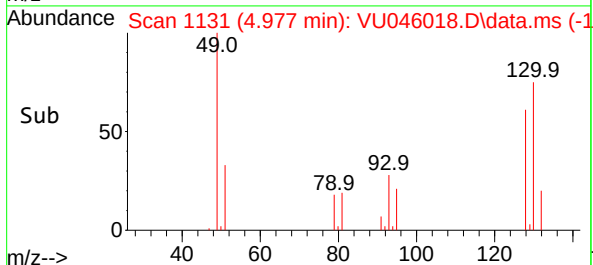
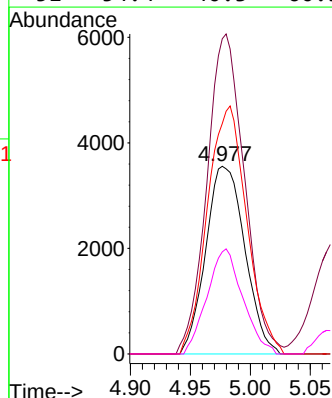
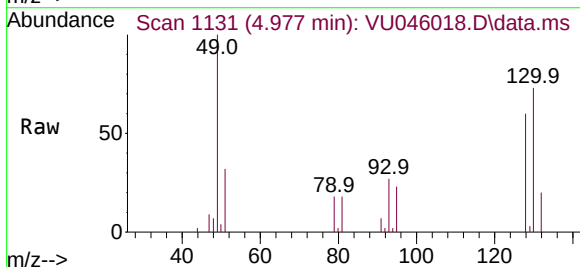
Ion Ratio Lower Upper

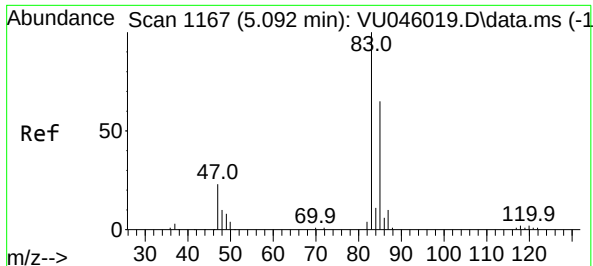
128 100

49 168.0 115.9 215.3

130 122.8 91.8 170.4

51 54.4 40.3 60.5

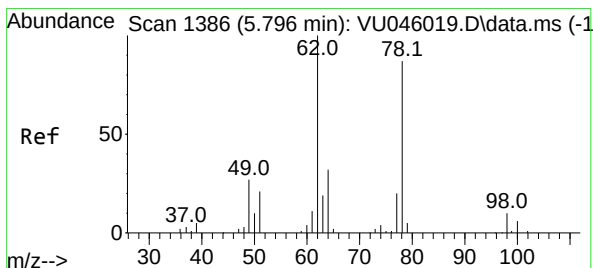
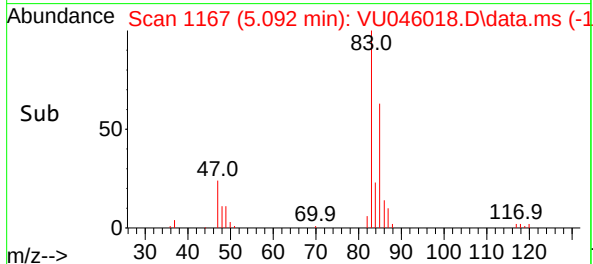
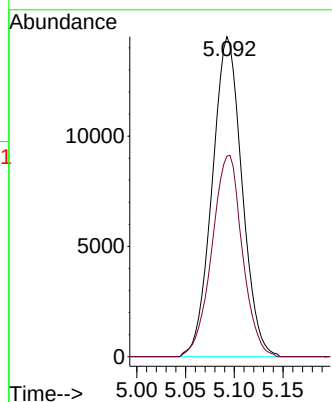
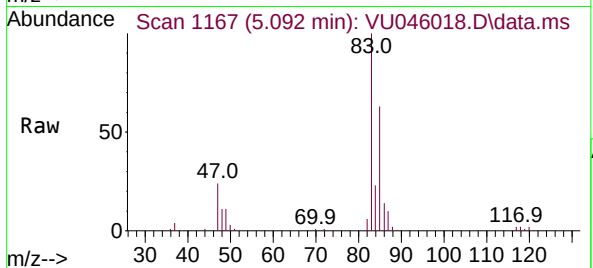




#25
Chloroform
Concen: 11.444 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

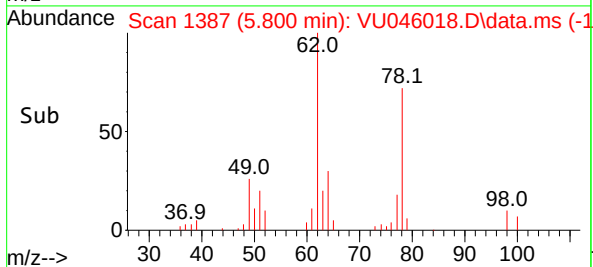
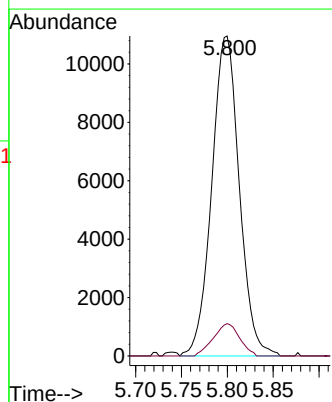
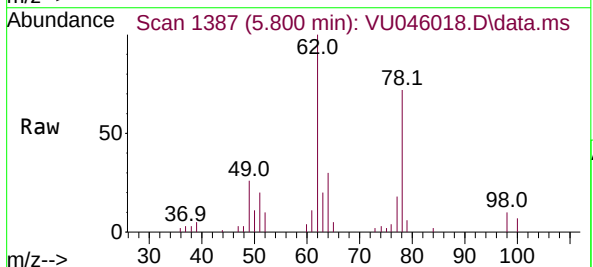
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

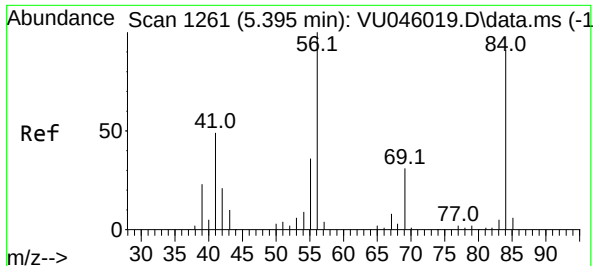
Tgt Ion: 83 Resp: 30864
Ion Ratio Lower Upper
83 100
85 62.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 10.565 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 62 Resp: 22908
Ion Ratio Lower Upper
62 100
98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 8.645 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD010032

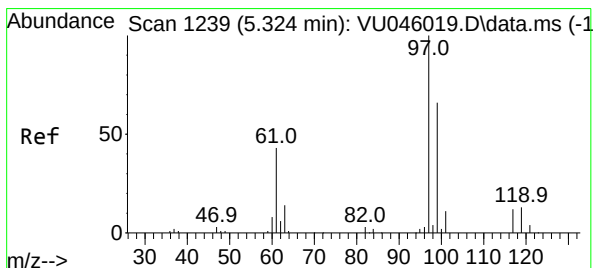
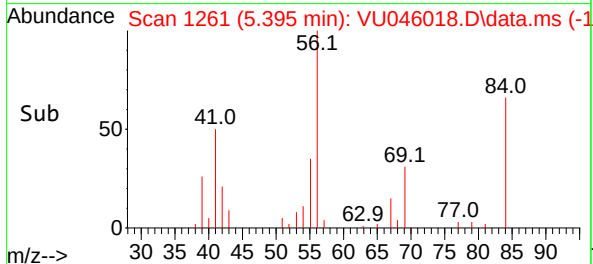
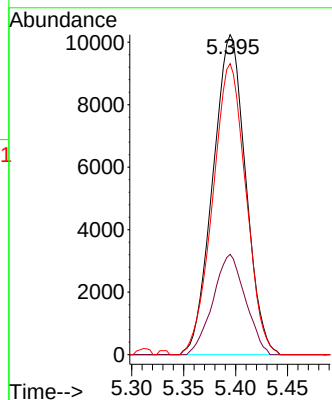
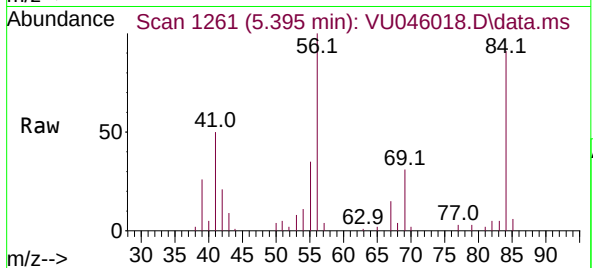
Tgt Ion: 56 Resp: 22512

Ion Ratio Lower Upper

56 100

69 30.9 25.2 37.8

84 91.7 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 10.695 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

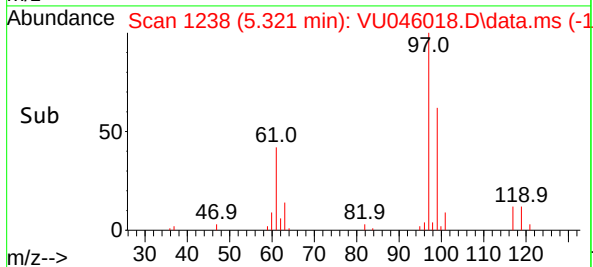
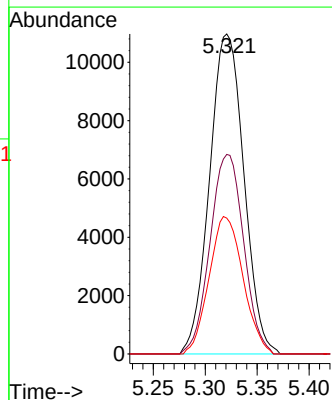
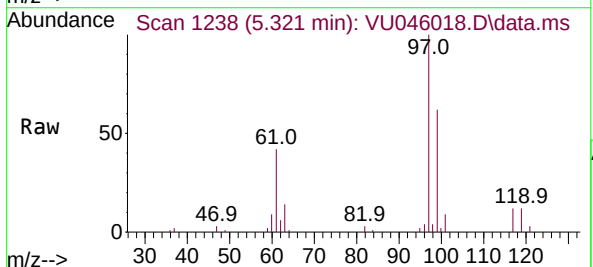
Tgt Ion: 97 Resp: 25226

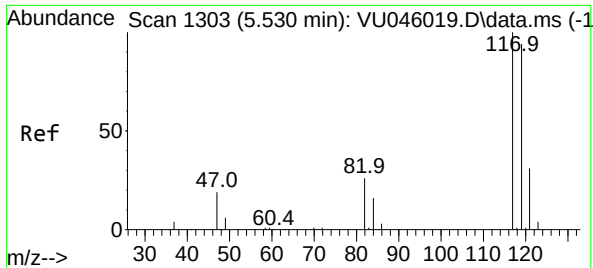
Ion Ratio Lower Upper

97 100

99 61.1 51.8 77.6

61 42.5 34.4 51.6

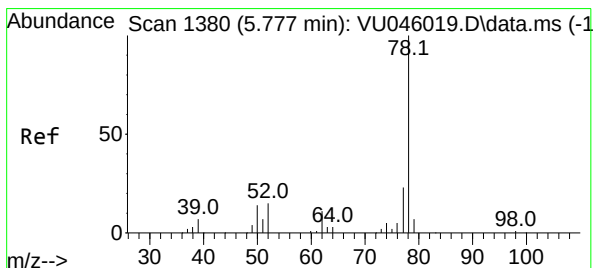
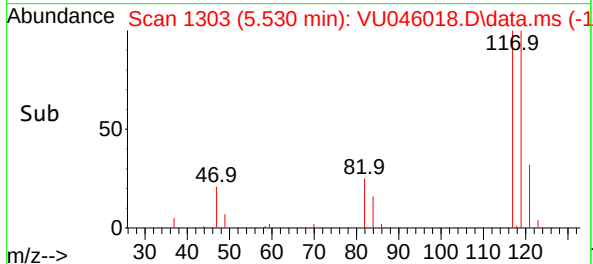
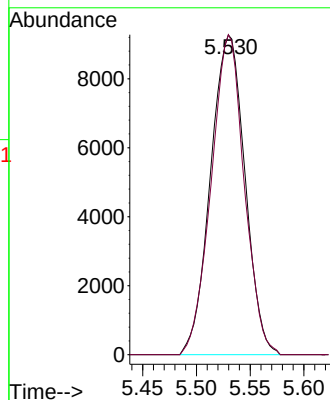
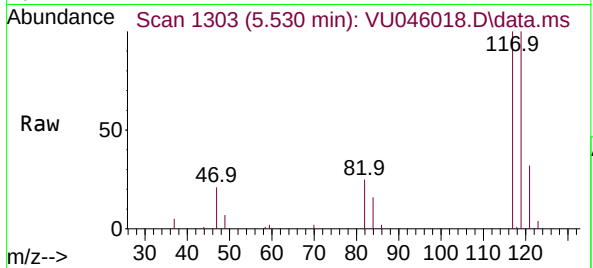




#31
Carbon tetrachloride
Concen: 10.819 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

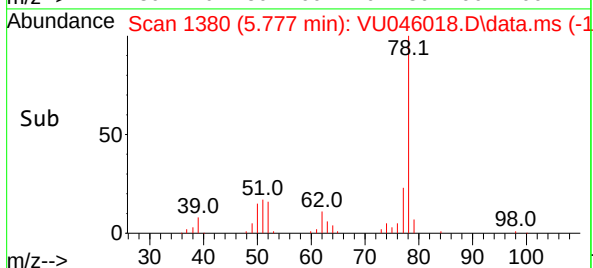
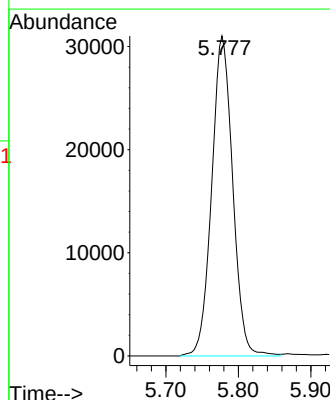
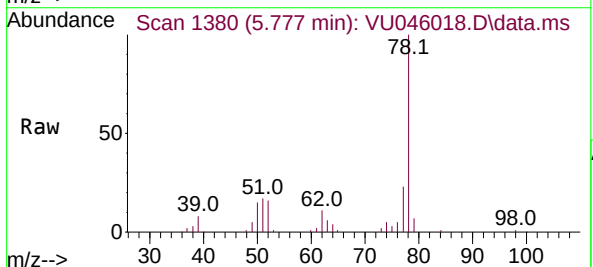
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

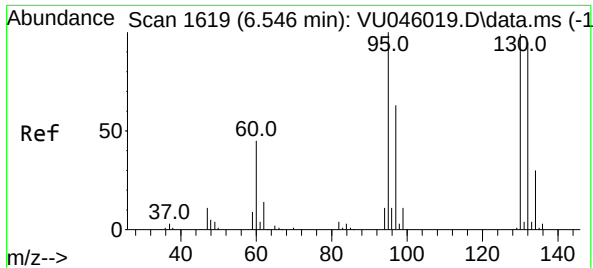
Tgt Ion:117 Resp: 20597
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5



#33
Benzene
Concen: 9.853 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 78 Resp: 62444



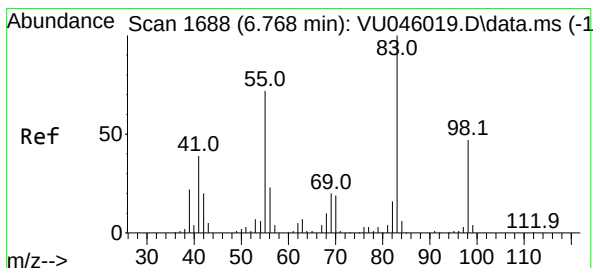
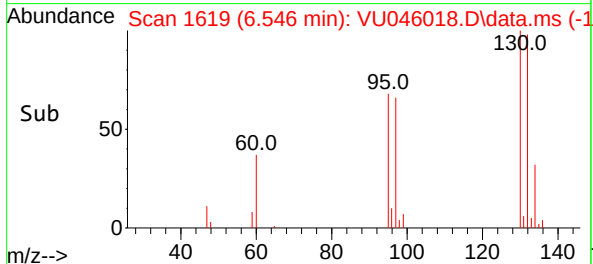
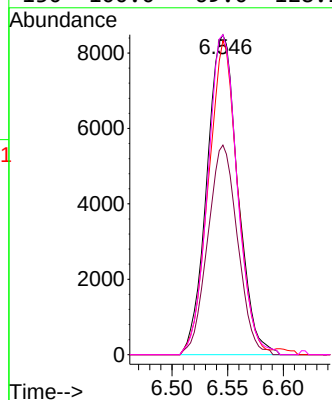
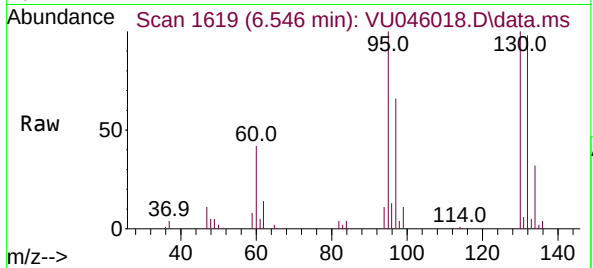


#34
Trichloroethene
Concen: 10.569 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

Tgt Ion: 95 Resp: 16357

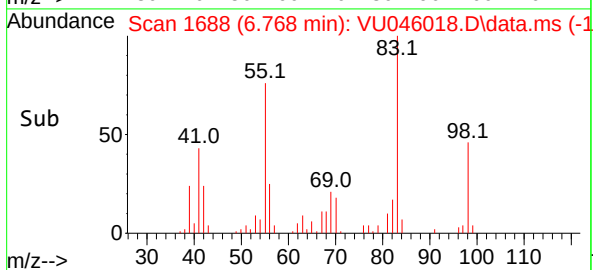
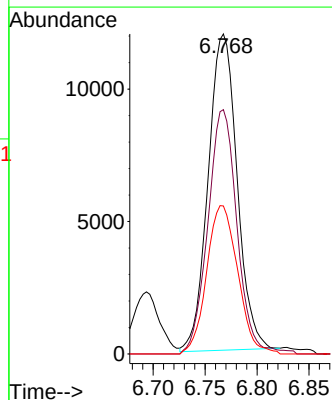
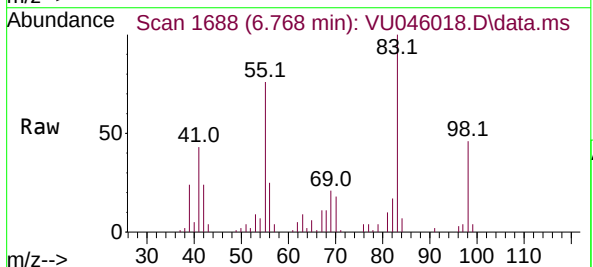
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.1	81.9
132	98.1	66.8	124.0
130	100.0	69.0	128.1

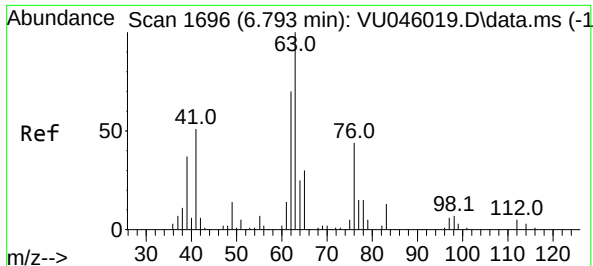


#35
Methylcyclohexane
Concen: 8.688 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 83 Resp: 23129

Ion	Ratio	Lower	Upper
83	100		
55	77.0	57.8	86.6
98	50.4	38.4	57.6





#37

1,2-Dichloropropane

Concen: 9.676 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

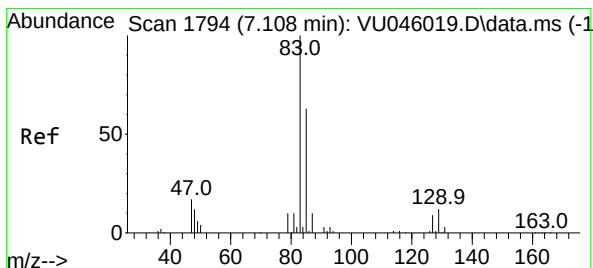
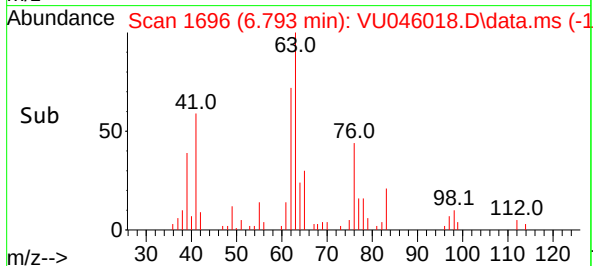
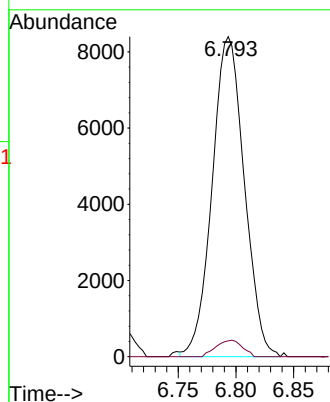
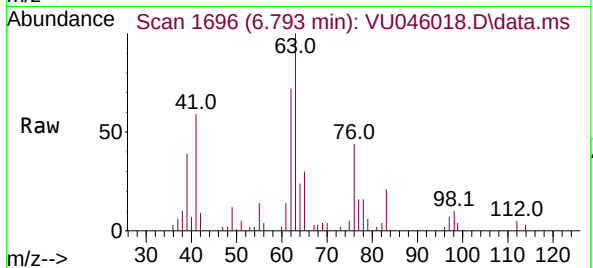
VSTD010032

Tgt Ion: 63 Resp: 16252

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 9.906 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

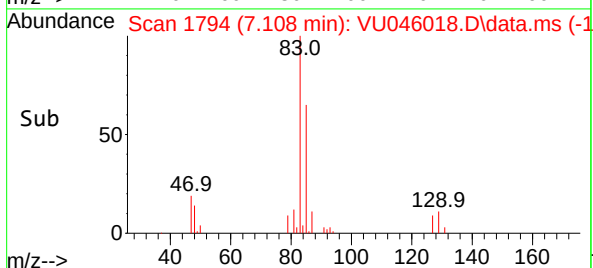
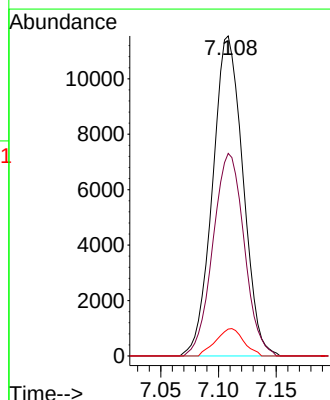
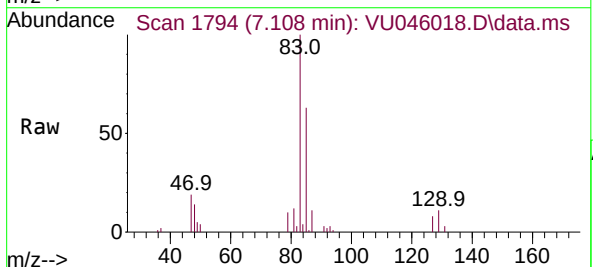
Tgt Ion: 83 Resp: 21108

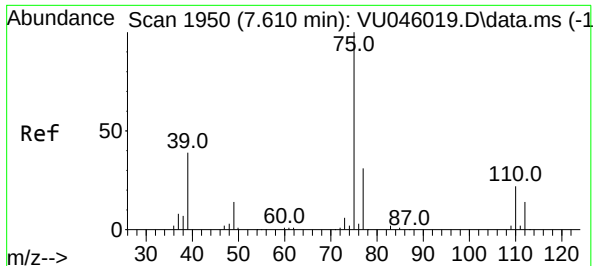
Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 8.710 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

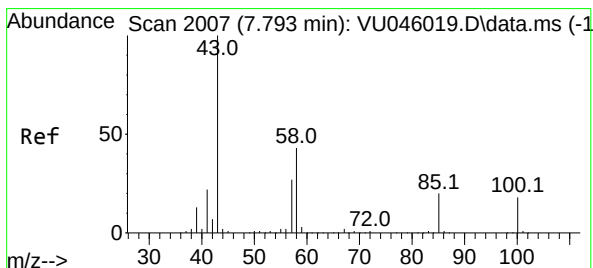
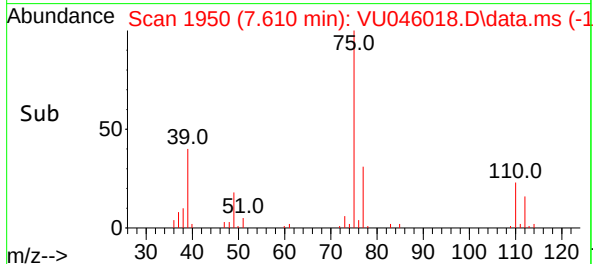
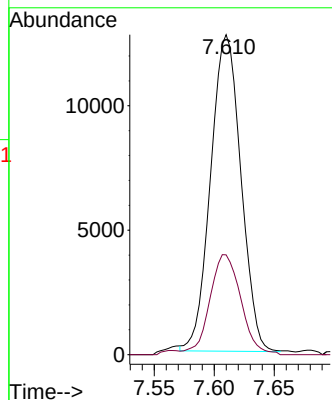
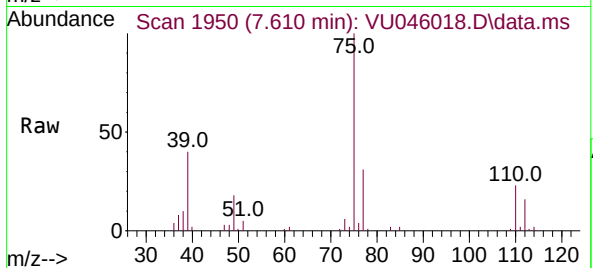
VSTD010032

Tgt Ion: 75 Resp: 22332

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 18.729 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

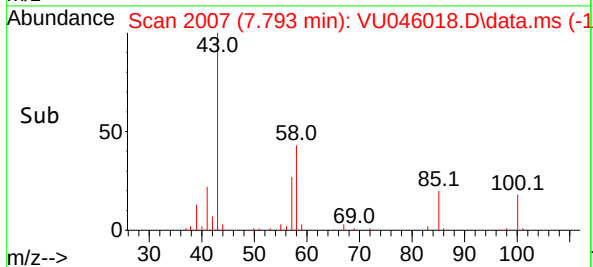
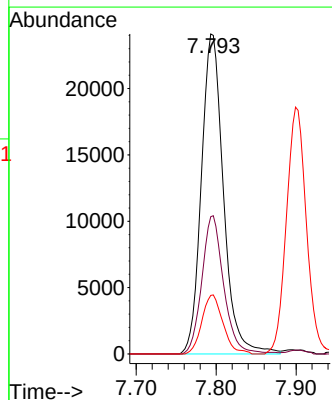
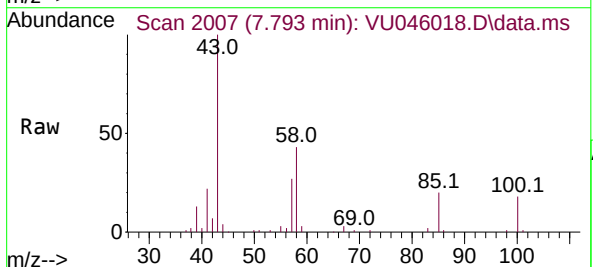
Tgt Ion: 43 Resp: 46405

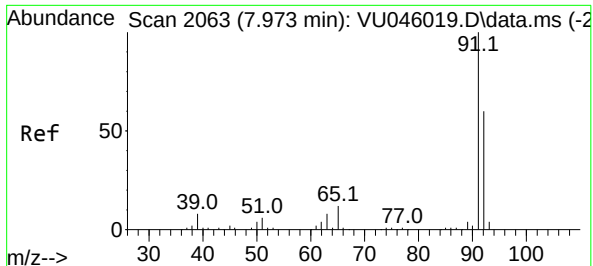
Ion Ratio Lower Upper

43 100

58 42.5 34.2 51.4

100 17.6 14.5 21.7





#42

Toluene

Concen: 9.960 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

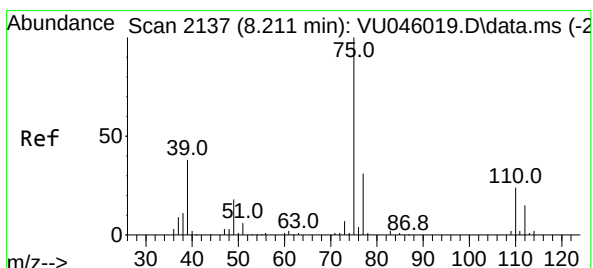
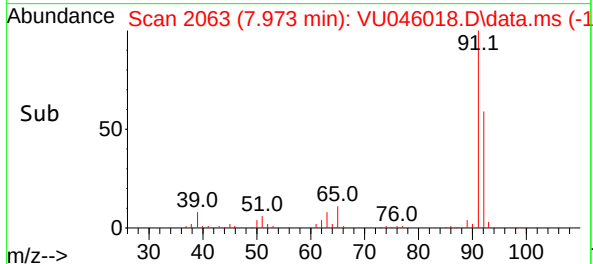
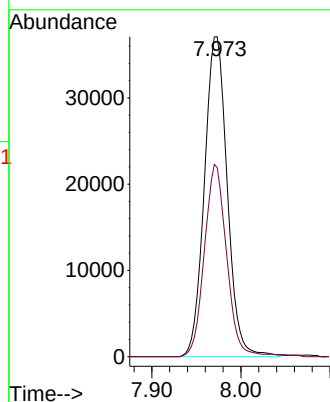
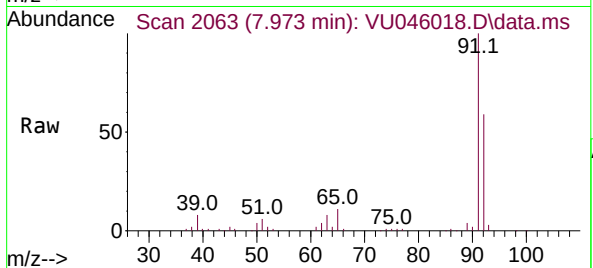
VSTD010032

Tgt Ion: 91 Resp: 66174

Ion Ratio Lower Upper

91 100

92 59.1 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 8.953 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU046018.D

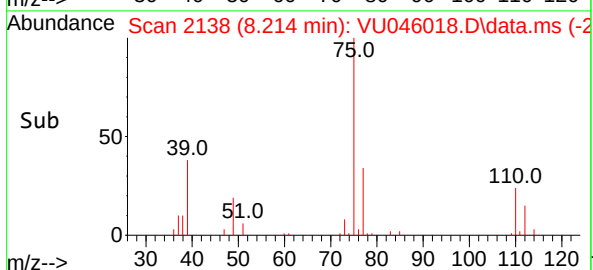
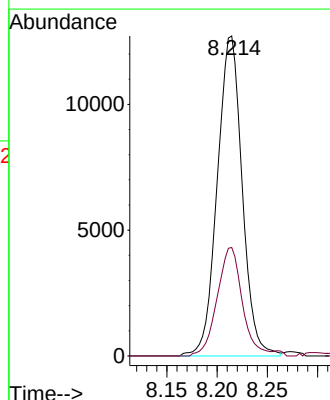
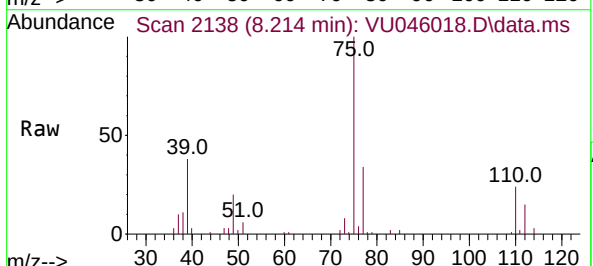
Acq: 29 Nov 2021 12:23

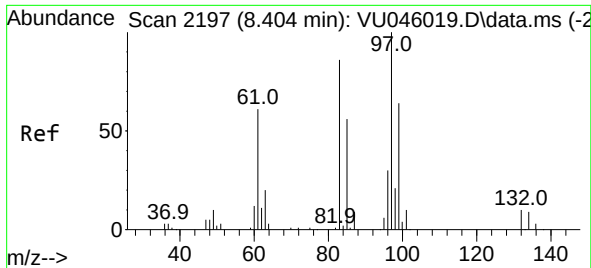
Tgt Ion: 75 Resp: 21923

Ion Ratio Lower Upper

75 100

77 33.9 21.7 40.3



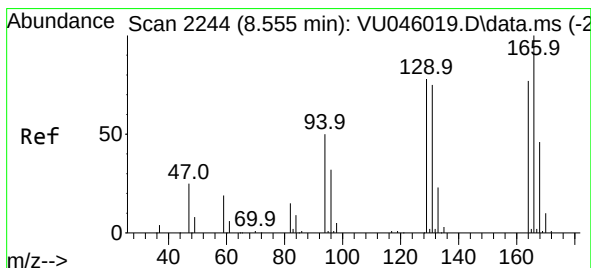
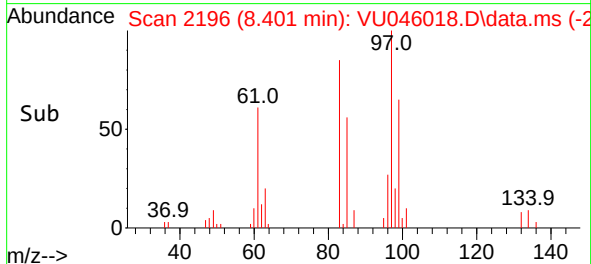
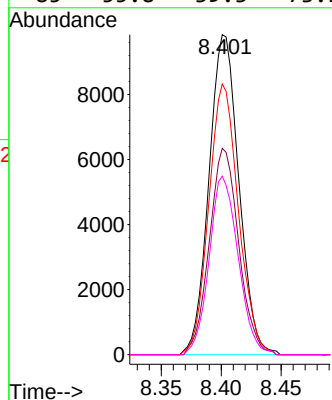
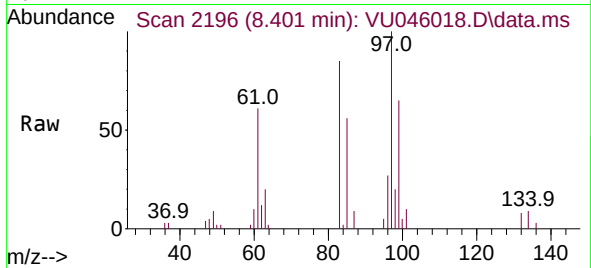


#45
1,1,2-Trichloroethane
Concen: 10.838 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

Tgt Ion: 97 Resp: 17040

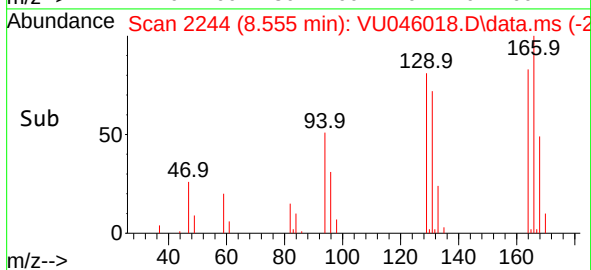
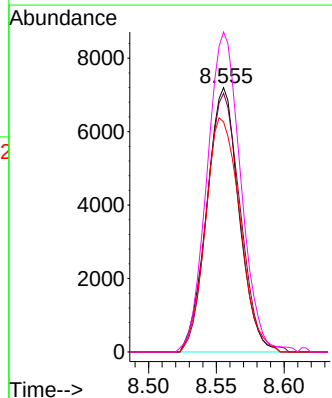
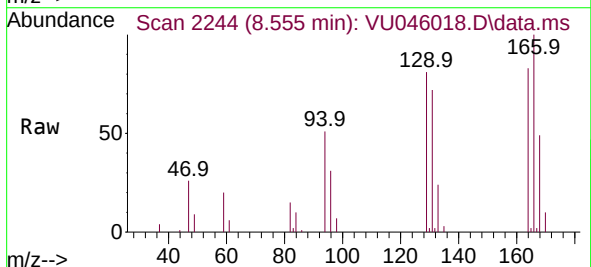
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.7	82.9
83	84.6	60.2	111.8
85	55.8	39.3	73.1

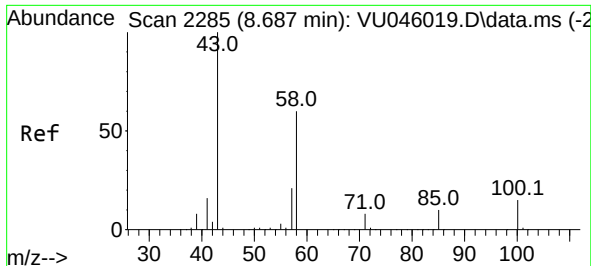


#46
Tetrachloroethene
Concen: 10.753 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 164 Resp: 11911

Ion	Ratio	Lower	Upper
164	100		
129	97.9	71.1	132.1
131	87.0	67.8	126.0
166	121.1	90.6	168.2

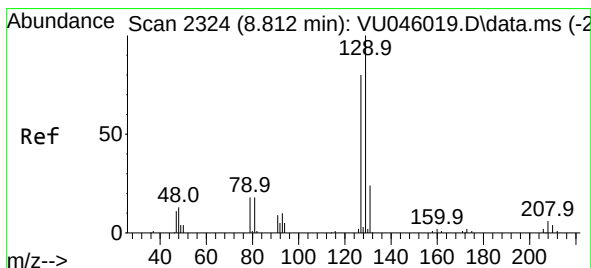
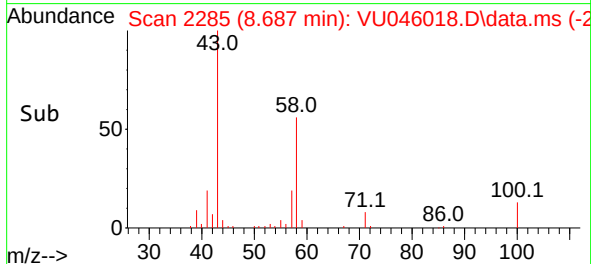
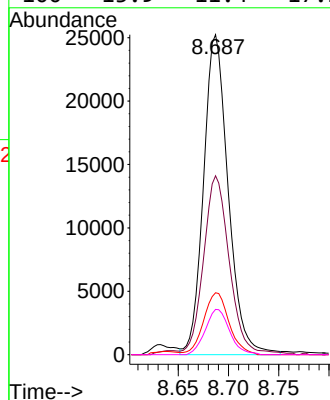
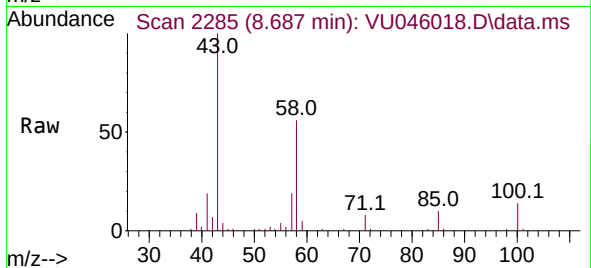




#48
2-Hexanone
Concen: 20.588 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

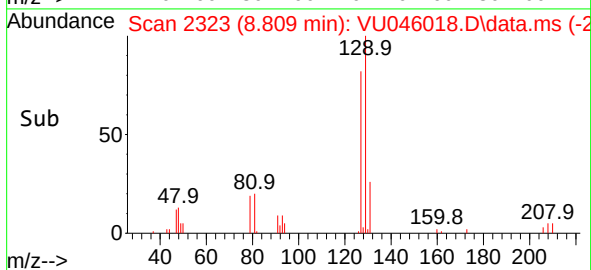
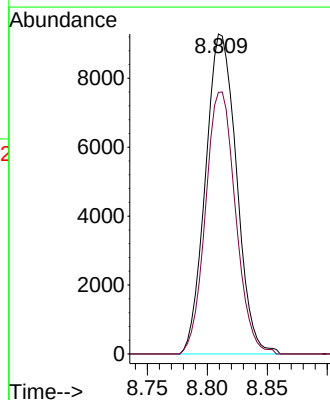
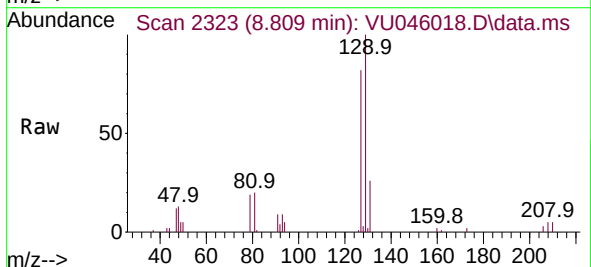
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

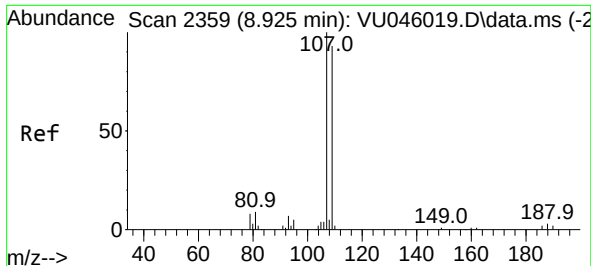
Tgt Ion:	43	Resp:	43143
Ion	Ratio	Lower	Upper
43	100		
58	58.5	47.4	71.2
57	19.9	16.6	25.0
100	13.9	11.4	17.2



#49
Dibromochloromethane
Concen: 10.808 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:	129	Resp:	16718
Ion	Ratio	Lower	Upper
129	100		
127	81.8	55.6	103.4

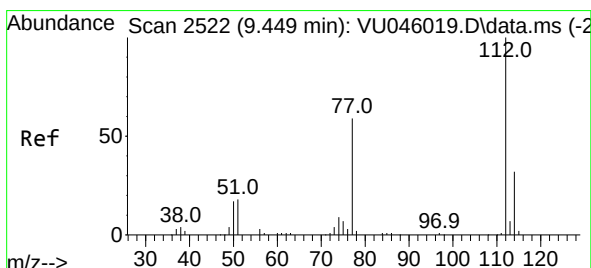
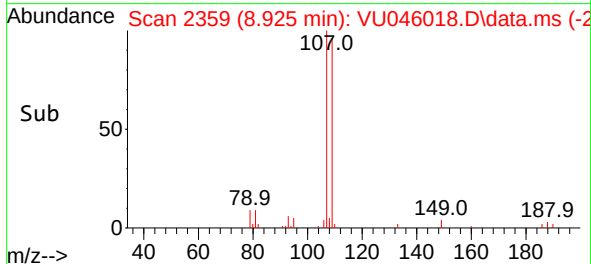
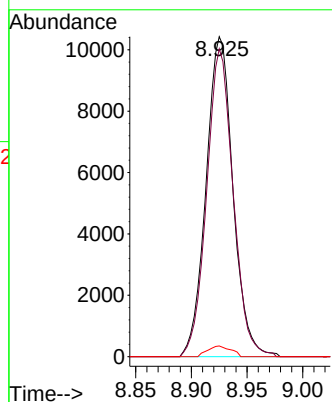
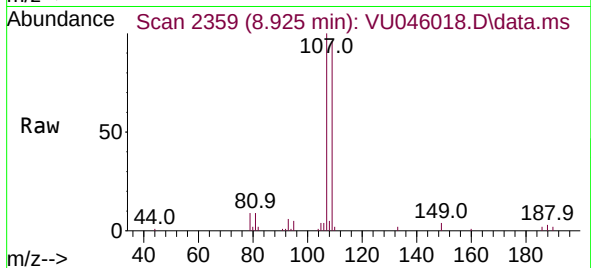




#50
1,2-Dibromoethane
Concen: 10.525 ug/L
RT: 8.925 min Scan# 2359
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

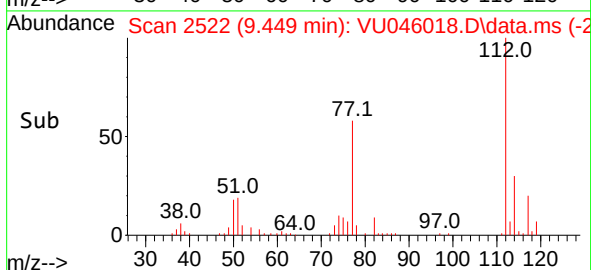
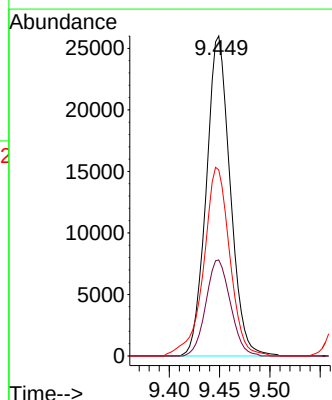
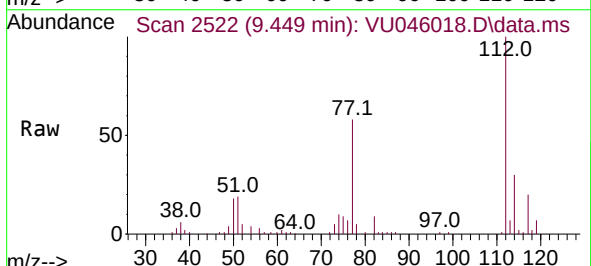
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

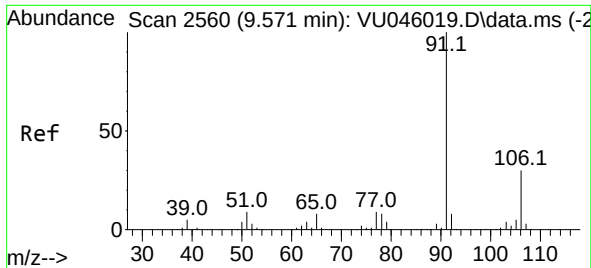
Tgt Ion:107 Resp: 17544
Ion Ratio Lower Upper
107 100
109 96.2 64.9 120.5
188 3.3 2.6 3.8



#51
Chlorobenzene
Concen: 10.616 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:112 Resp: 42978
Ion Ratio Lower Upper
112 100
114 30.0 22.2 41.2
77 58.1 47.4 71.0

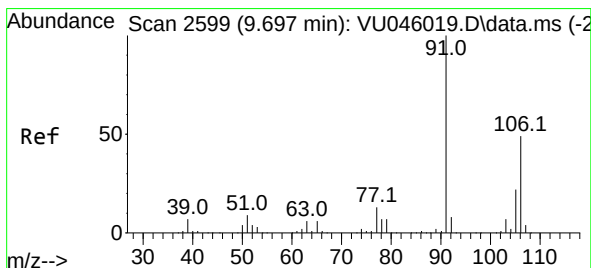
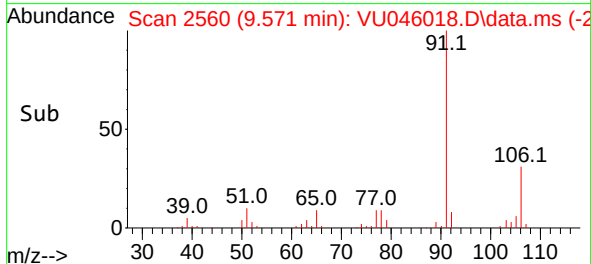
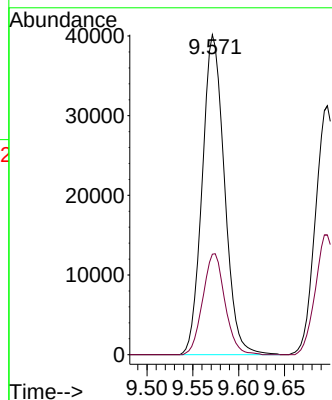
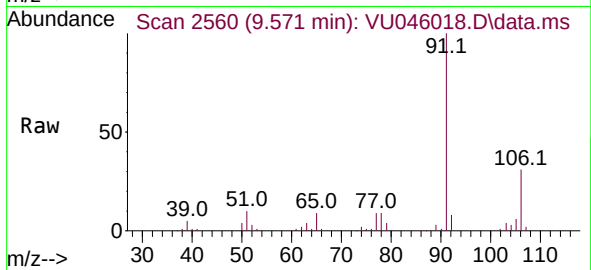




#52
Ethylbenzene
Concen: 9.555 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

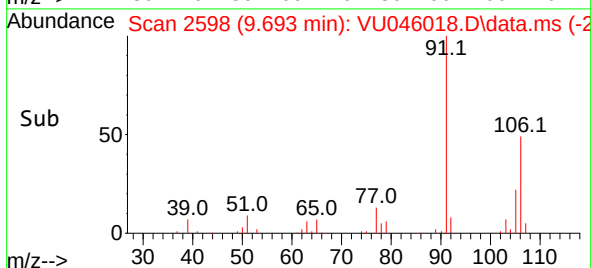
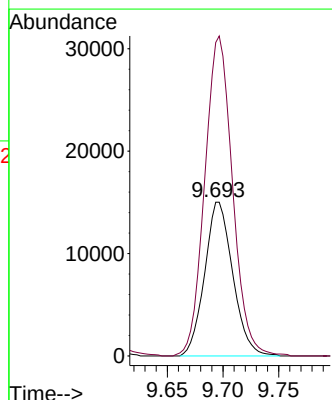
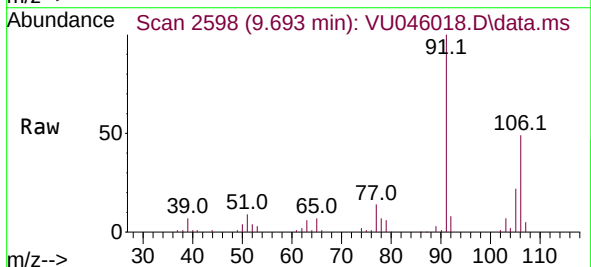
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

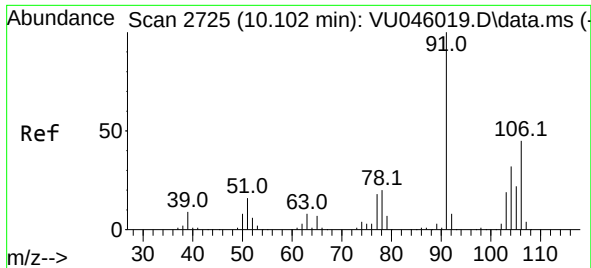
Tgt Ion: 91 Resp: 67789
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.3



#53
m,p-Xylene
Concen: 9.726 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 106 Resp: 26415
Ion Ratio Lower Upper
106 100
91 203.8 144.3 268.1

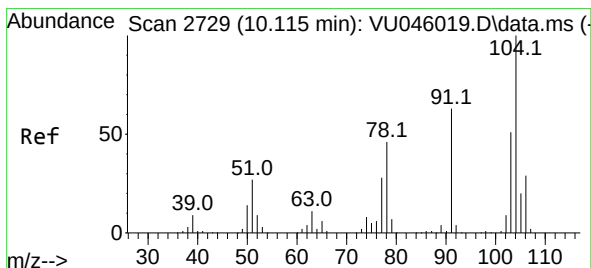
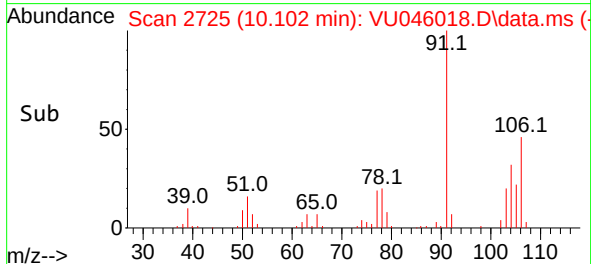
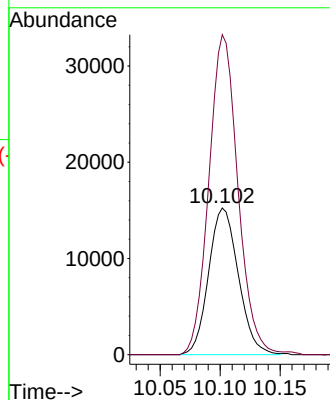
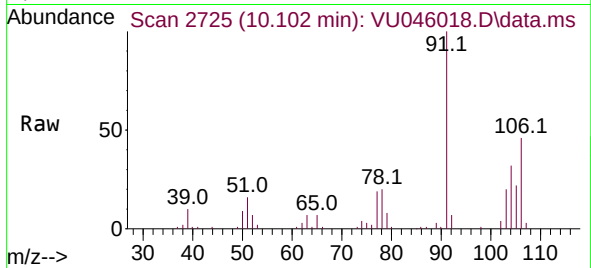




#54
o-xylene
Concen: 9.827 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

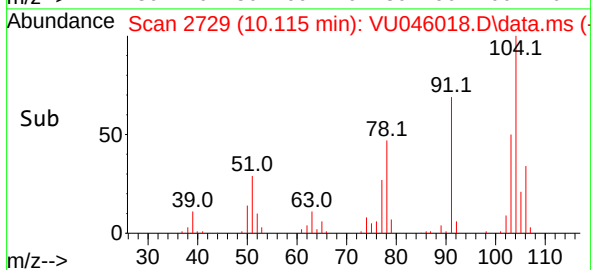
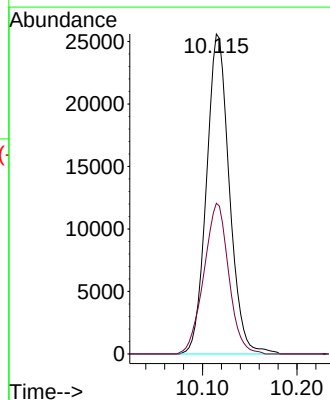
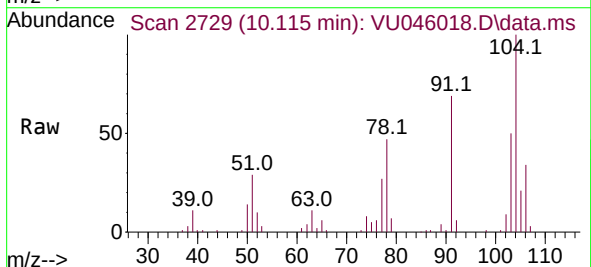
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

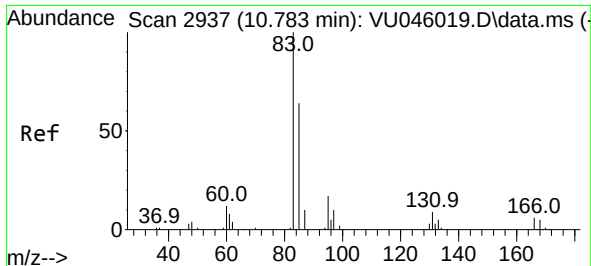
Tgt Ion:106 Resp: 26301
Ion Ratio Lower Upper
106 100
91 218.0 154.2 286.4



#55
Styrene
Concen: 9.544 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:104 Resp: 43079
Ion Ratio Lower Upper
104 100
78 47.1 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 10.121 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD010032

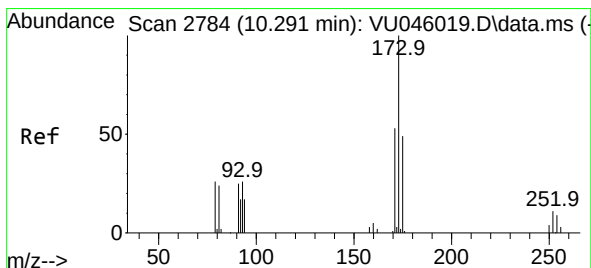
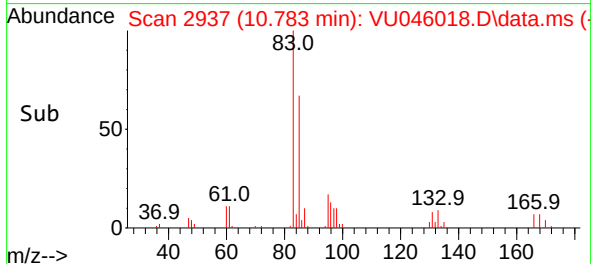
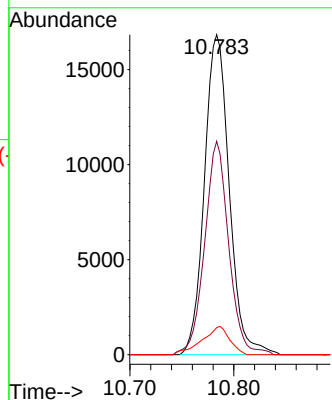
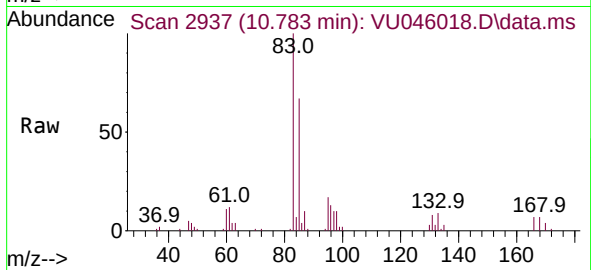
Tgt Ion: 83 Resp: 27902

Ion Ratio Lower Upper

83 100

85 66.7 45.6 84.6

131 8.5 7.8 11.6



#59

Bromoform

Concen: 10.582 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

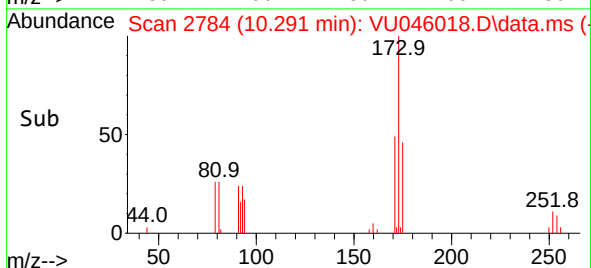
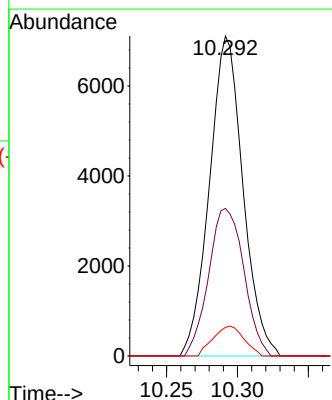
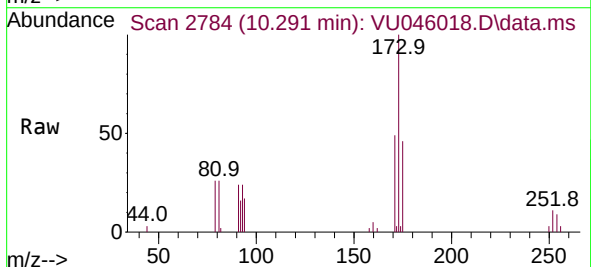
Tgt Ion:173 Resp: 11678

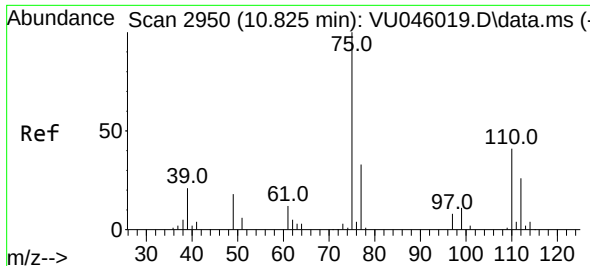
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 8.6 7.4 11.2

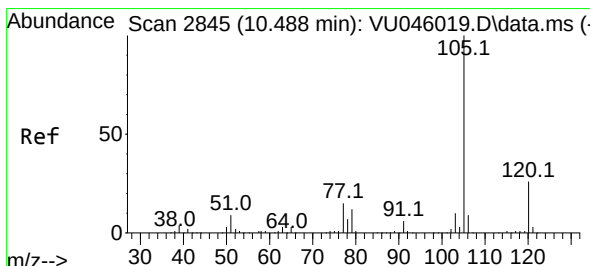
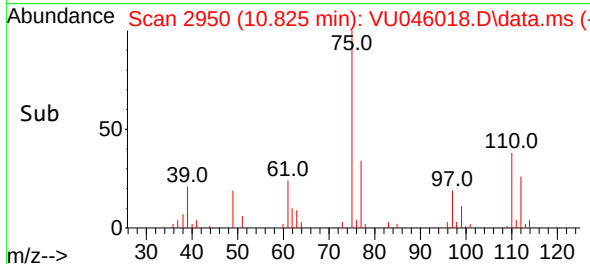
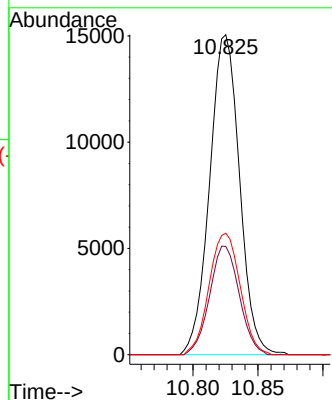
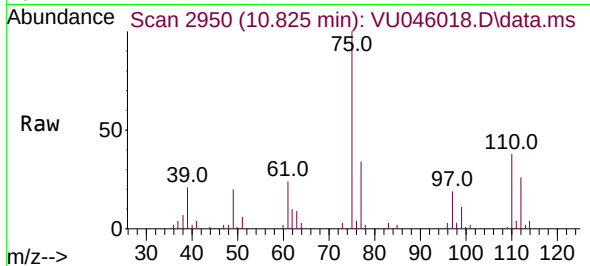




#60
1,2,3-Trichloropropane
Concen: 10.487 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

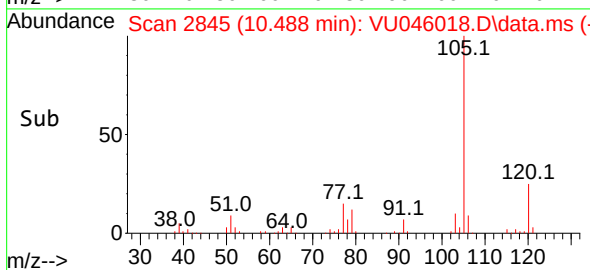
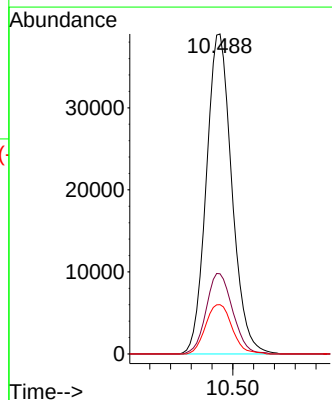
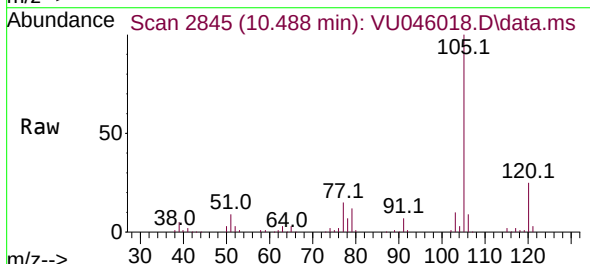
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

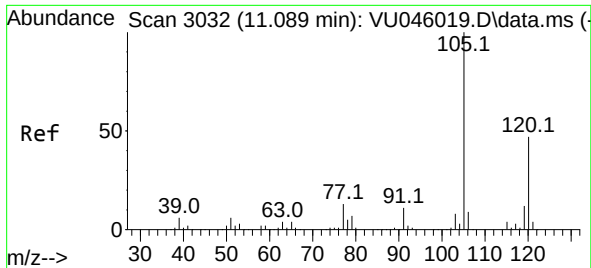
Tgt Ion:	75	Resp:	24086
Ion	Ratio	Lower	Upper
75	100		
77	33.6	26.4	39.6
110	39.5	32.4	48.6



#61
Isopropylbenzene
Concen: 9.532 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:	105	Resp:	66496
Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.7	31.1
77	16.0	12.2	18.4

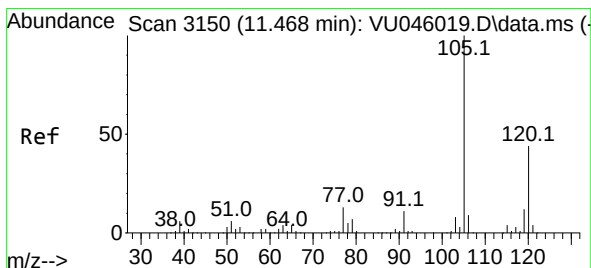
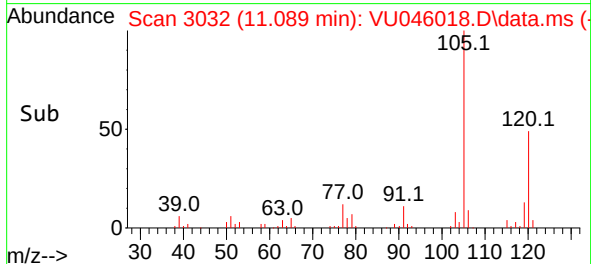
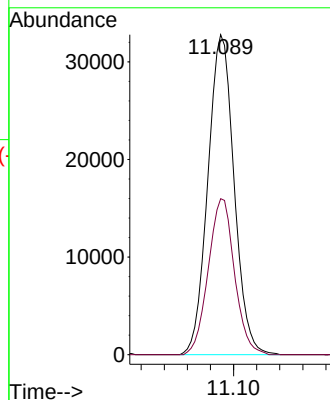
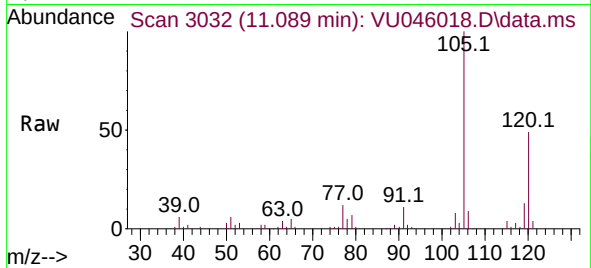




#62
 1,3,5-Trimethylbenzene
 Concen: 8.731 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

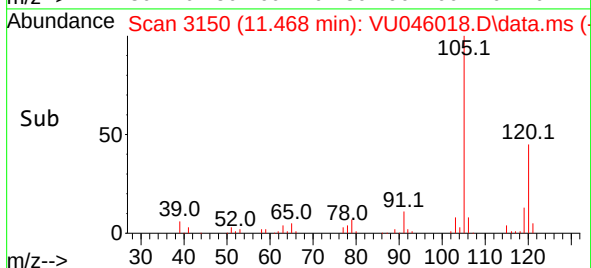
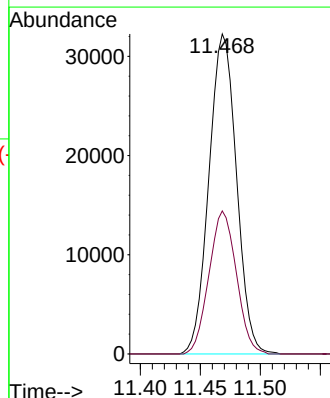
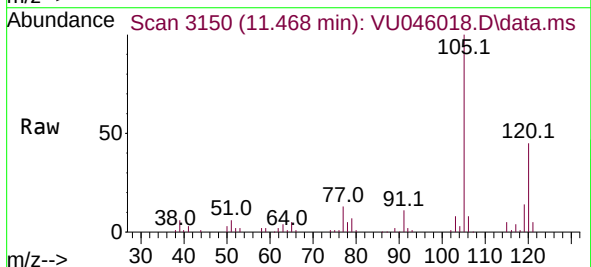
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010032

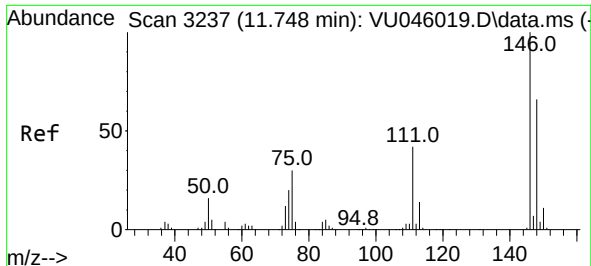
Tgt Ion:105 Resp: 51717
 Ion Ratio Lower Upper
 105 100
 120 48.7 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 8.597 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU046018.D
 Acq: 29 Nov 2021 12:23

Tgt Ion:105 Resp: 51533
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.2 52.8

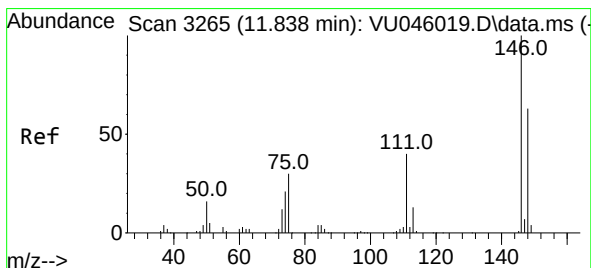
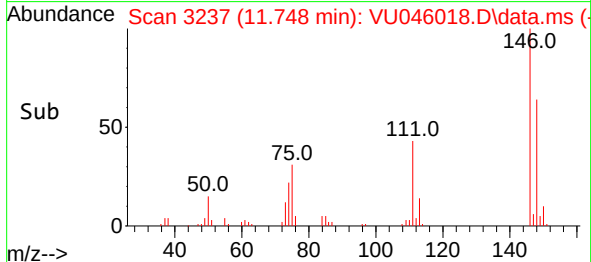
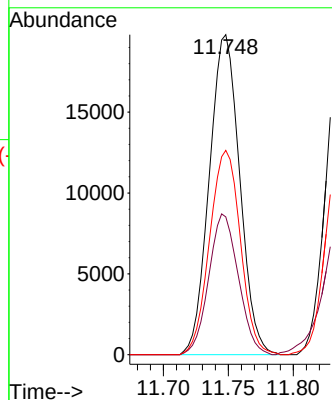
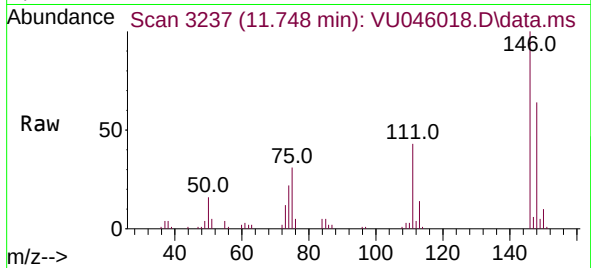




#64
1,3-Dichlorobenzene
Concen: 10.364 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

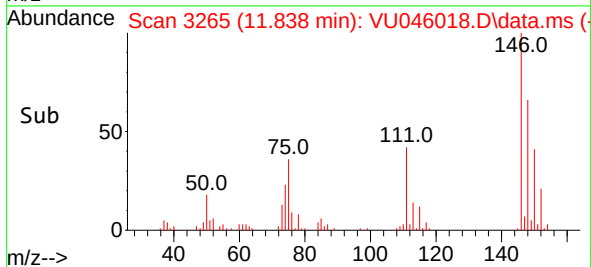
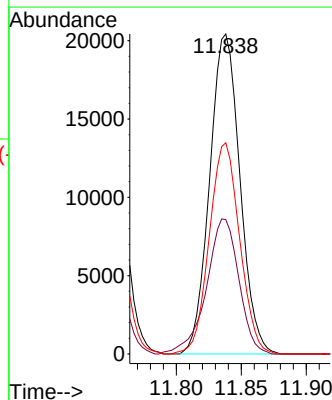
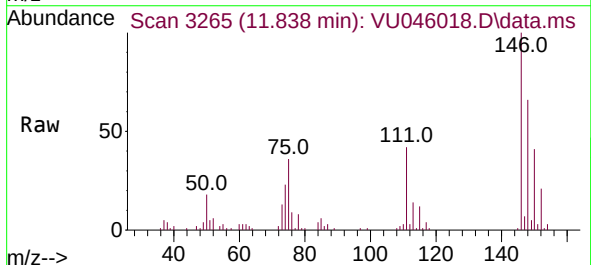
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

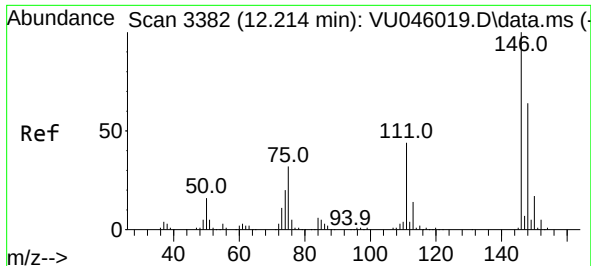
Tgt Ion:146 Resp: 32215
Ion Ratio Lower Upper
146 100
111 43.1 29.5 54.9
148 63.9 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 10.492 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:146 Resp: 33110
Ion Ratio Lower Upper
146 100
111 42.0 28.3 52.7
148 66.0 43.8 81.3

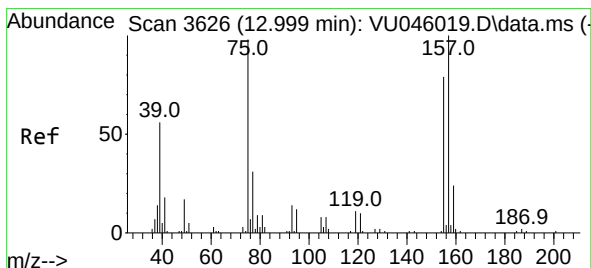
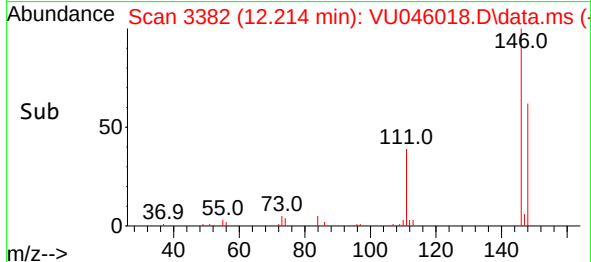
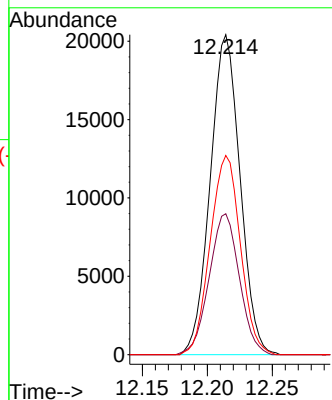
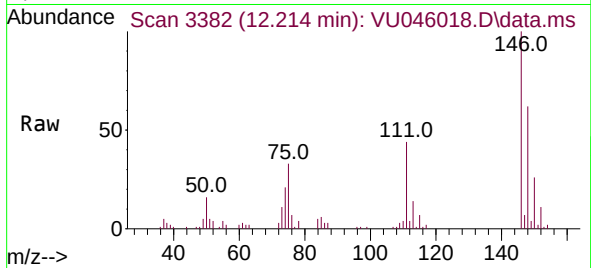




#67
1,2-Dichlorobenzene
Concen: 10.216 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

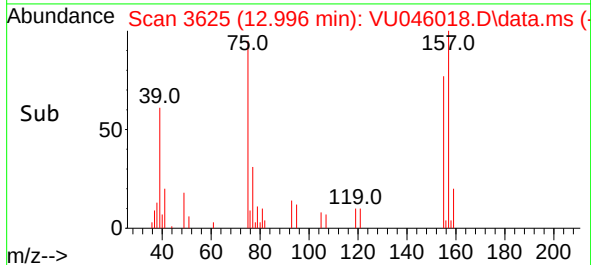
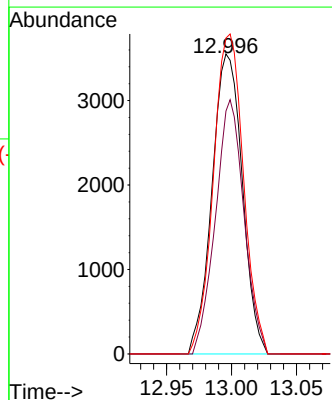
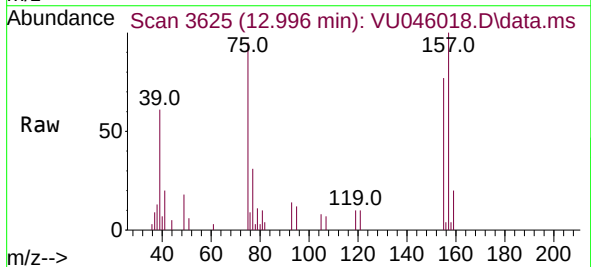
Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

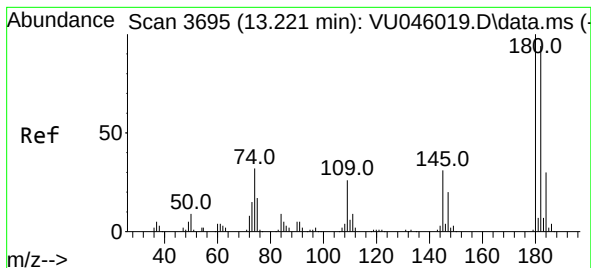
Tgt Ion:146 Resp: 32606
Ion Ratio Lower Upper
146 100
111 44.0 35.7 53.5
148 62.3 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 8.682 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion: 75 Resp: 5751
Ion Ratio Lower Upper
75 100
155 80.9 64.9 97.3
157 105.3 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 9.655 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD010032

Tgt Ion:180 Resp: 22191

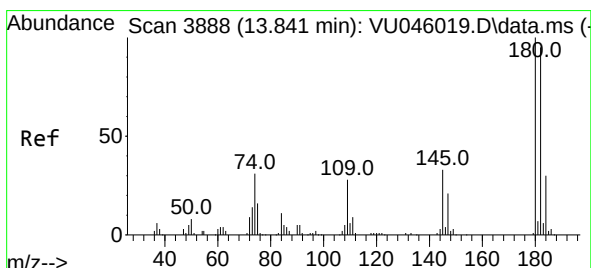
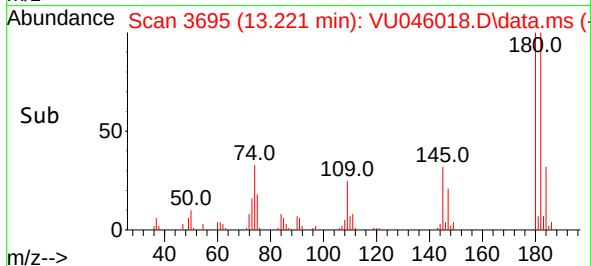
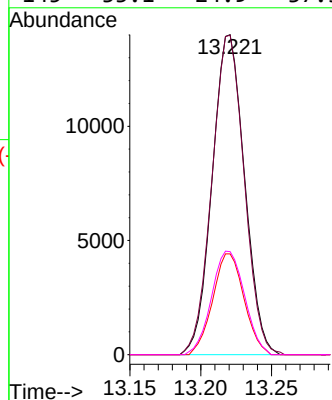
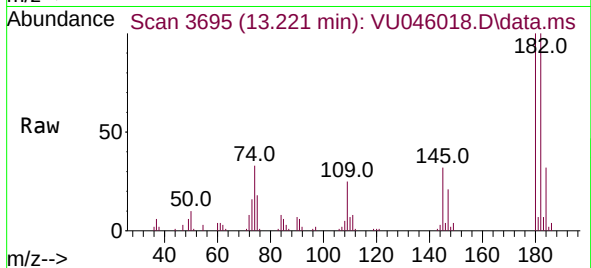
Ion Ratio Lower Upper

180 100

182 99.6 75.9 113.9

184 30.7 24.2 36.4

145 33.1 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 9.057 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU046018.D

Acq: 29 Nov 2021 12:23

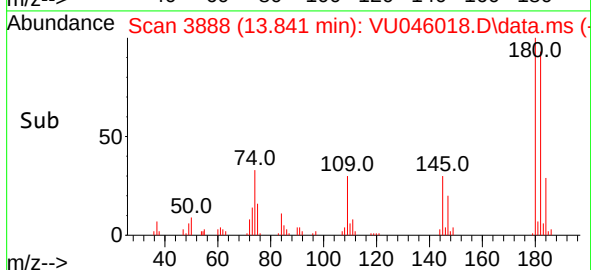
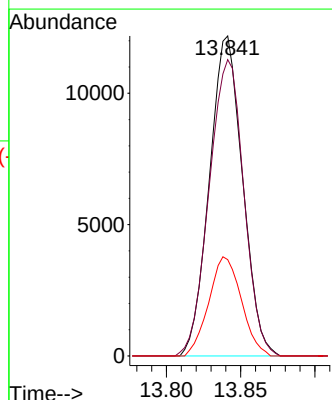
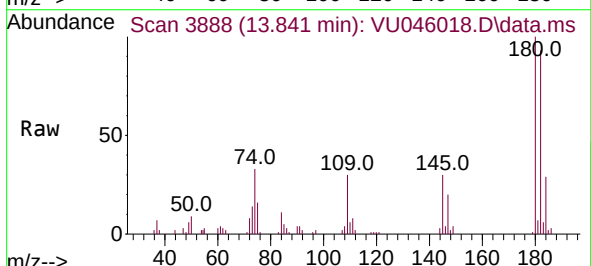
Tgt Ion:180 Resp: 18925

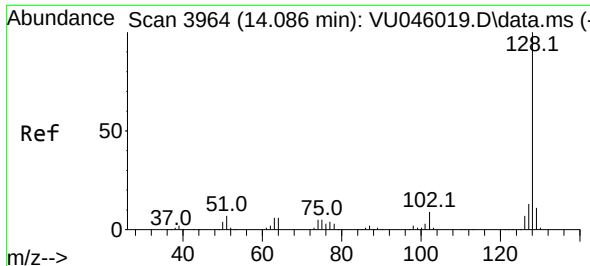
Ion Ratio Lower Upper

180 100

182 96.6 76.7 115.1

145 30.5 26.0 39.0

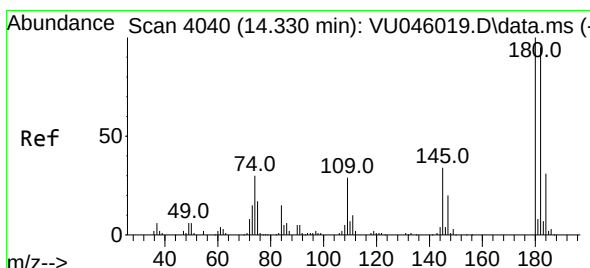
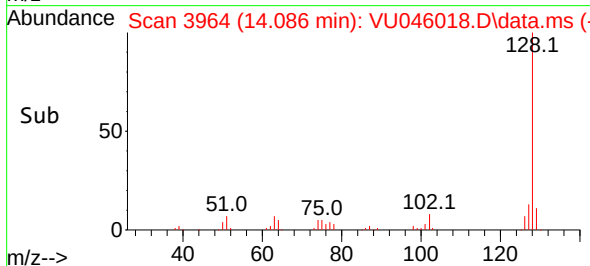
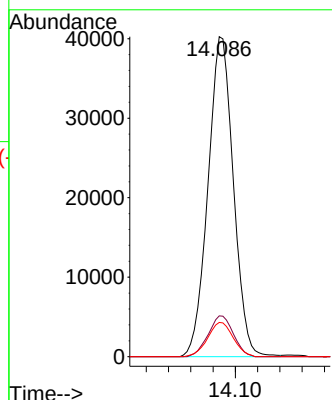
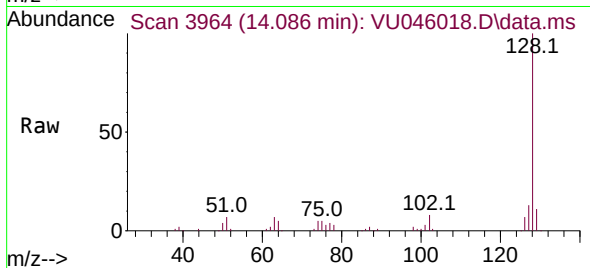




#71
Naphthalene
Concen: 8.098 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD010032

Tgt Ion:128	Resp:	63629	
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 9.714 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046018.D
Acq: 29 Nov 2021 12:23

Tgt Ion:180	Resp:	20785	
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.0	114.0
145	32.8	27.3	40.9

