

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112921\
 Data File : VU046017.D
 Acq On : 29 Nov 2021 12:01
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

Quant Time: Nov 30 01:53:49 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	159034	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	162048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	78919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	6589	5.103	ug/L	0.00
7) Chloroethane-d5	1.919	69	5033	4.868	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	11829	5.156	ug/L	0.00
21) 2-Butanone-d5	4.655	46	10126	9.480	ug/L	0.00
24) Chloroform-d	5.070	84	10728	4.693	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	7774	5.138	ug/L	0.00
32) Benzene-d6	5.732	84	22619	4.586	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.697	67	7050	4.475	ug/L	0.00
41) Toluene-d8	7.902	98	19551	4.500	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	3110	4.183	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	5207	6.328	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	10229	4.343	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	7916	5.048	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	8289	5.650	ug/L	98
3) Chloromethane	1.523	50	8361	5.023	ug/L	97
5) Vinyl chloride	1.607	62	7655	4.850	ug/L	98
6) Bromomethane	1.864	94	3961	4.773	ug/L	100
8) Chloroethane	1.938	64	4493	4.751	ug/L	96
9) Trichlorofluoromethane	2.144	101	9845	5.145	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	5410	4.695	ug/L	96
12) 1,1-Dichloroethene	2.587	96	5279	4.871	ug/L	90
13) Acetone	2.681	43	12983	13.335	ug/L	67
14) Carbon disulfide	2.800	76	16588	5.261	ug/L	97
15) Methyl Acetate	2.967	43	7646	5.129	ug/L	95
16) Methylene chloride	3.054	84	7088	5.356	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	5440	4.682	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	15610	3.936	ug/L	98
19) 1,1-Dichloroethane	3.877	63	10295	4.545	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5789	4.419	ug/L	97
23) Bromochloromethane	4.986	128	3001	4.713	ug/L	95
25) Chloroform	5.095	83	12238	5.299	ug/L	99
27) 1,2-Dichloroethane	5.800	62	8286	4.463	ug/L	100
29) Cyclohexane	5.391	56	7975	3.555	ug/L	100
30) 1,1,1-Trichloroethane	5.320	97	9271	4.563	ug/L	99
31) Carbon tetrachloride	5.529	117	7681	4.683	ug/L	100
33) Benzene	5.780	78	22432	4.109	ug/L	100
34) Trichloroethene	6.546	95	6164	4.623	ug/L	98
35) Methylcyclohexane	6.767	83	8283	3.612	ug/L	96
37) 1,2-Dichloropropane	6.796	63	6281	4.341	ug/L	# 97
38) Bromodichloromethane	7.108	83	8137	4.433	ug/L	# 95
39) cis-1,3-Dichloropropene	7.613	75	8105	3.669	ug/L	92
40) 4-Methyl-2-pentanone	7.796	43	15692	7.352	ug/L	96
42) Toluene	7.973	91	23081	4.033	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	7701	3.651	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	6072	4.483	ug/L	93

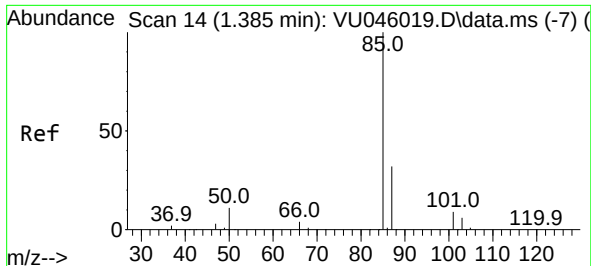
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112921\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.558	164	4382	4.592	ug/L	94
48) 2-Hexanone	8.687	43	13524	7.492	ug/L	99
49) Dibromochloromethane	8.816	129	5883	4.415	ug/L	99
50) 1,2-Dibromoethane	8.928	107	6350	4.422	ug/L	96
51) Chlorobenzene	9.449	112	16466	4.722	ug/L	98
52) Ethylbenzene	9.574	91	23659	3.871	ug/L	99
53) m,p-Xylene	9.700	106	9296	3.973	ug/L	95
54) o-xylene	10.105	106	8863	3.844	ug/L	99
55) Styrene	10.118	104	14203	3.652	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	9845	4.145	ug/L	98
59) Bromoform	10.295	173	4356	4.825	ug/L #	95
60) 1,2,3-Trichloropropane	10.825	75	8858	4.714	ug/L	96
61) Isopropylbenzene	10.487	105	22368	3.919	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	16666	3.439	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	16473	3.359	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	11559	4.545	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	12665	4.905	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	12108	4.637	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	2137	3.943	ug/L	90
69) 1,3,5-Trichlorobenzene	13.224	180	8034	4.272	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	6893	4.032	ug/L	98
71) Naphthalene	14.089	128	20450	3.181	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	6724	3.841	ug/L	92

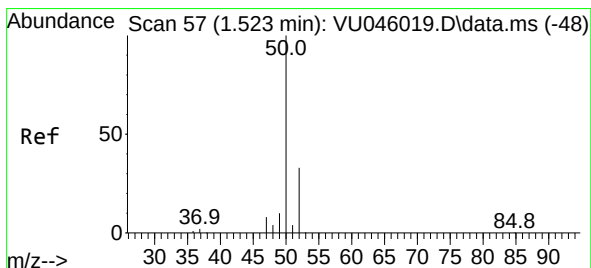
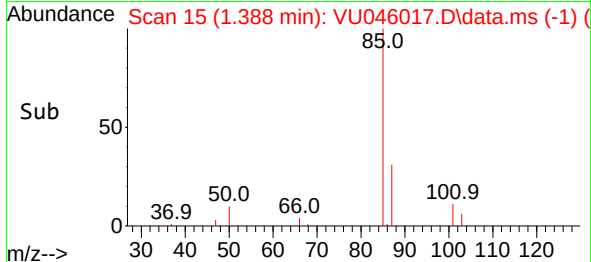
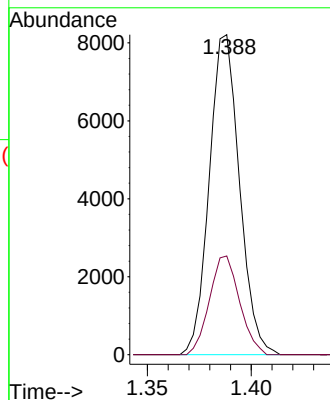
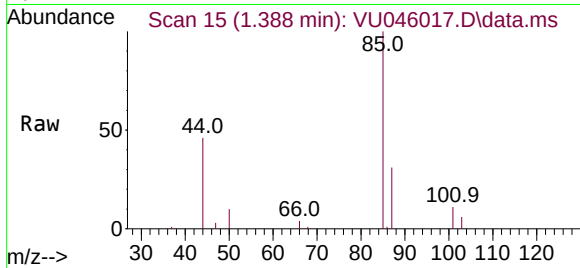
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.650 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

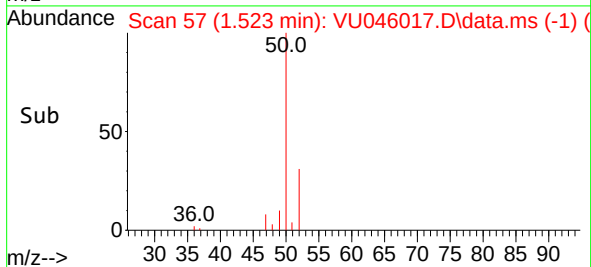
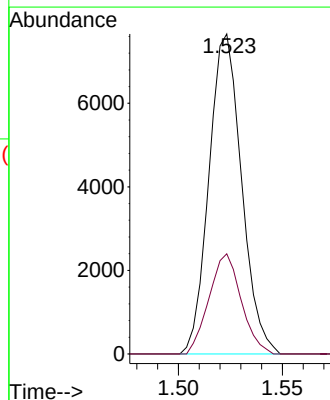
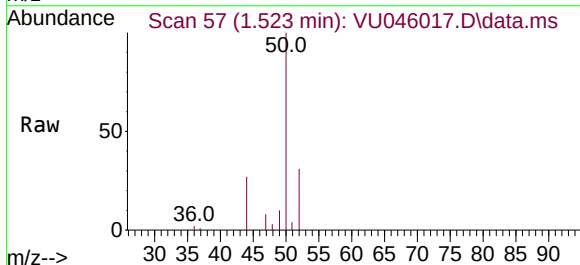
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

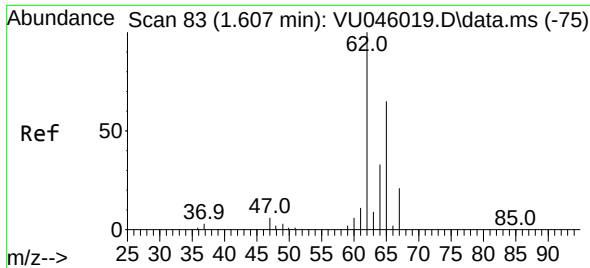
Tgt Ion: 85 Resp: 8289
Ion Ratio Lower Upper
85 100
87 30.7 25.7 38.5



#3
Chloromethane
Concen: 5.023 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 50 Resp: 8361
Ion Ratio Lower Upper
50 100
52 31.3 23.2 43.2

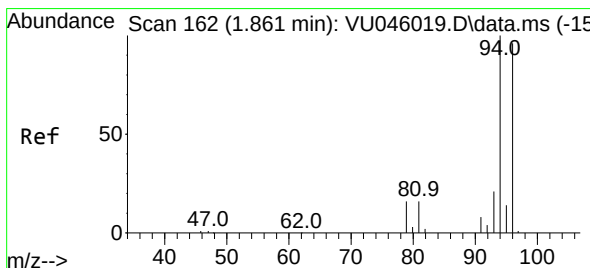
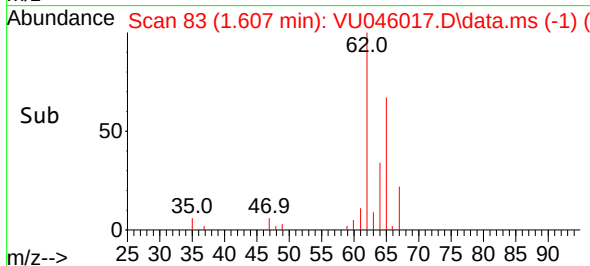
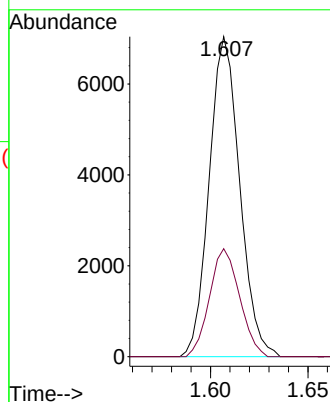
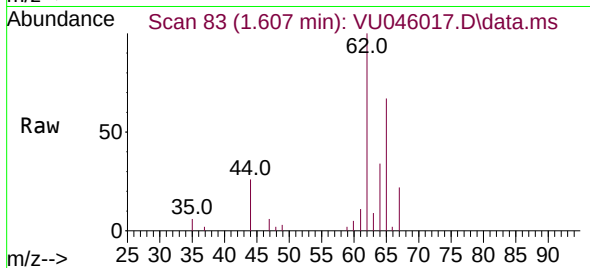




#5
 Vinyl chloride
 Concen: 4.850 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

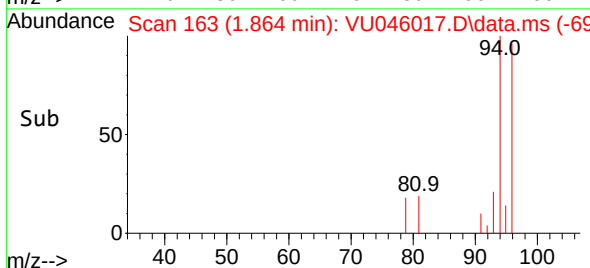
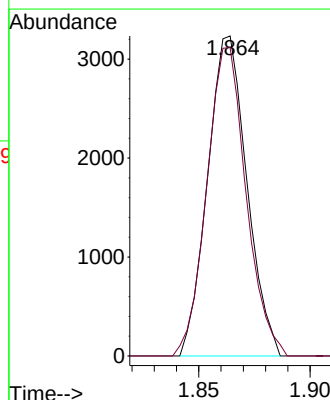
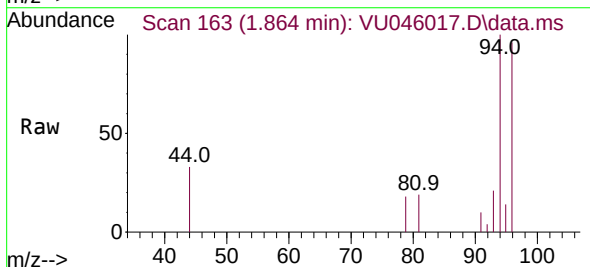
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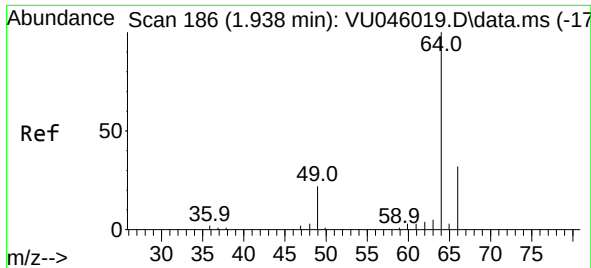
Tgt Ion: 62 Resp: 7655
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.9 42.5



#6
 Bromomethane
 Concen: 4.773 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

Tgt Ion: 94 Resp: 3961
 Ion Ratio Lower Upper
 94 100
 96 96.4 67.4 125.2

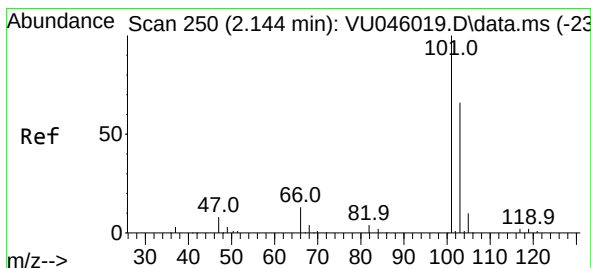
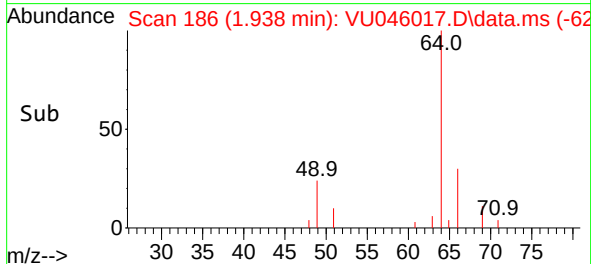
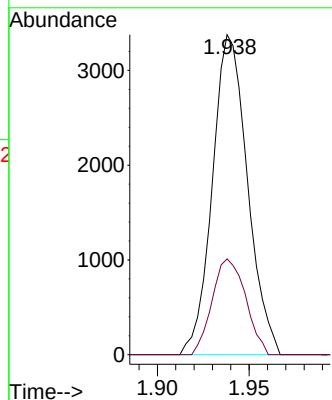
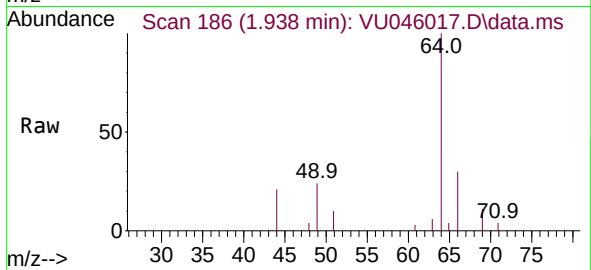




#8
Chloroethane
Concen: 4.751 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

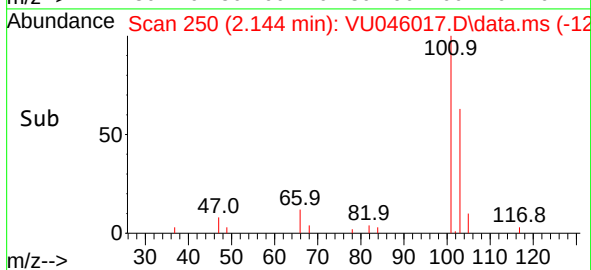
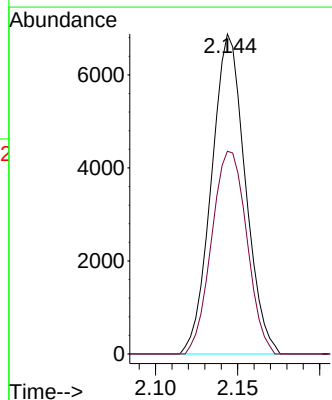
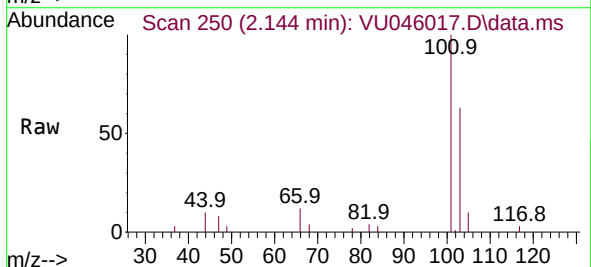
Instrument :
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ClientSampleId :
VSTD005031

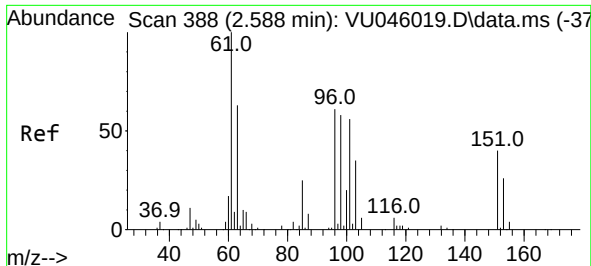
Tgt Ion: 64 Resp: 4493
Ion Ratio Lower Upper
64 100
66 29.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.145 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:101 Resp: 9845
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.6





#10

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

Concen: 4.695 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

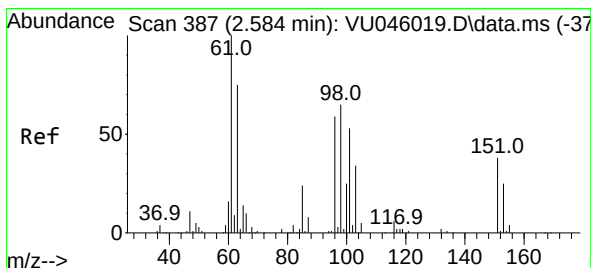
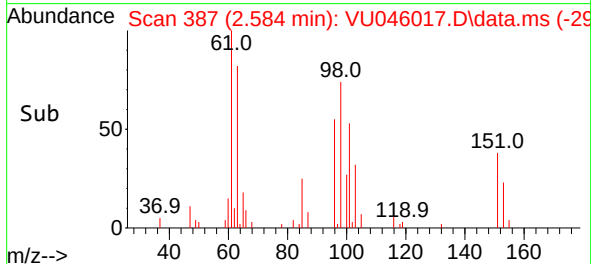
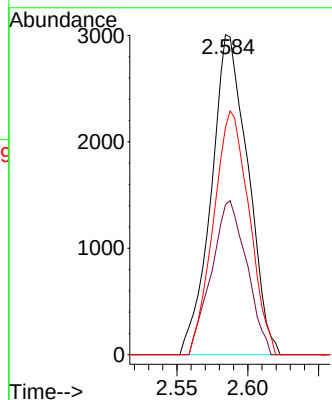
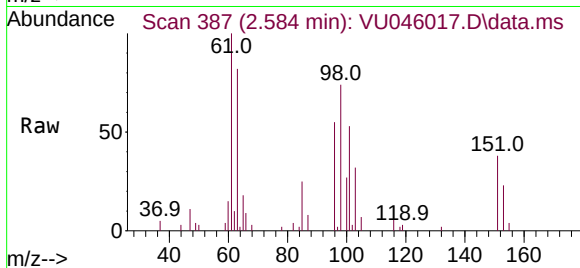
Tgt Ion:101 Resp: 5410

Ion Ratio Lower Upper

101 100

85 46.3 35.1 52.7

151 74.1 56.7 85.1



#12

1,1-Dichloroethene

Concen: 4.871 ug/L

RT: 2.587 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

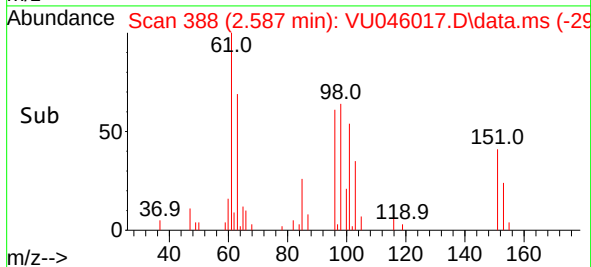
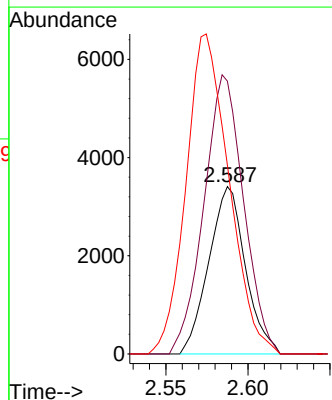
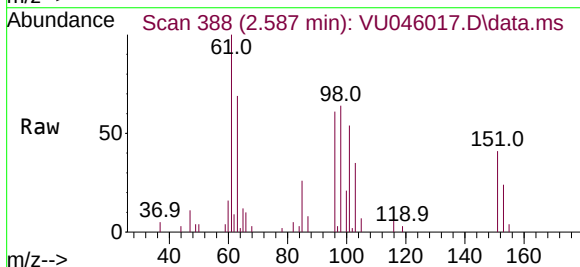
Tgt Ion: 96 Resp: 5279

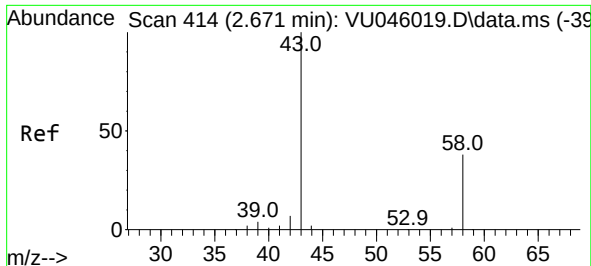
Ion Ratio Lower Upper

96 100

61 163.0 118.6 220.2

63 112.7 93.0 172.8





#13

Acetone

Concen: 13.335 ug/L

RT: 2.681 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

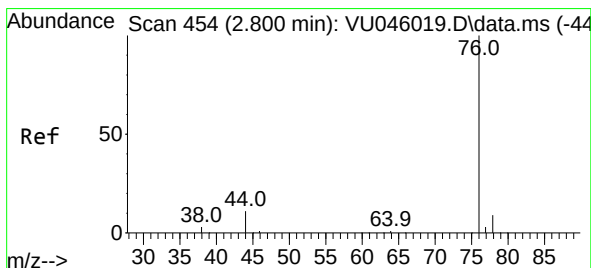
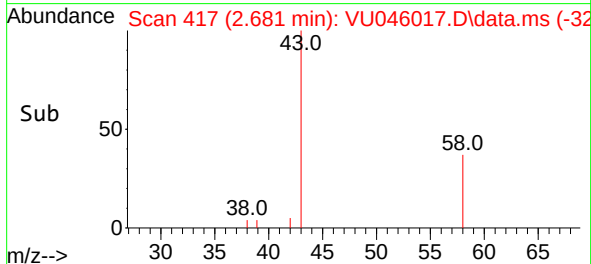
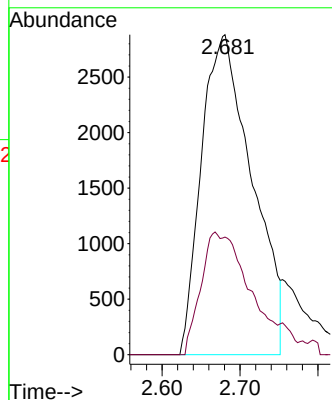
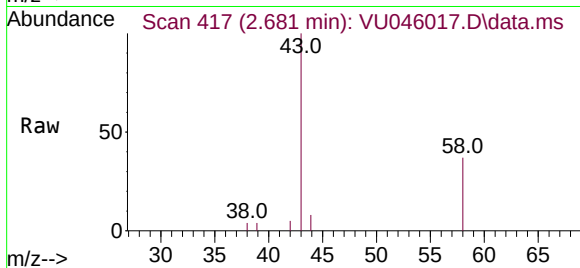
VSTD005031

Tgt Ion: 43 Resp: 12983

Ion Ratio Lower Upper

43 100

58 14.8 0.0 66.8



#14

Carbon disulfide

Concen: 5.261 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046017.D

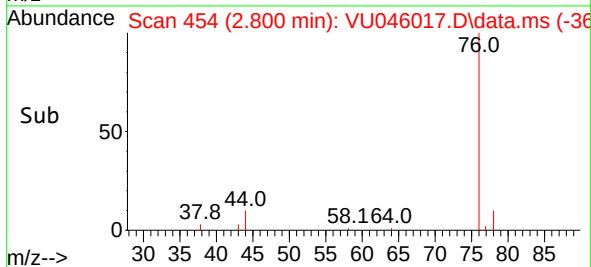
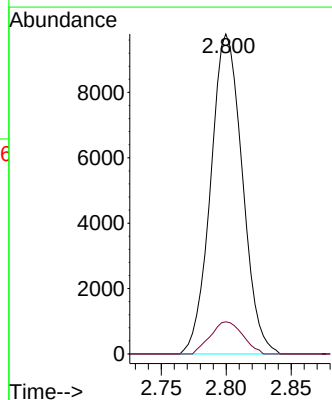
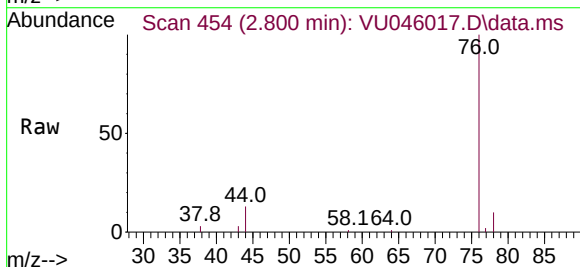
Acq: 29 Nov 2021 12:01

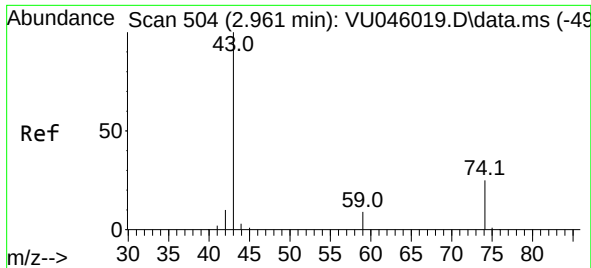
Tgt Ion: 76 Resp: 16588

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

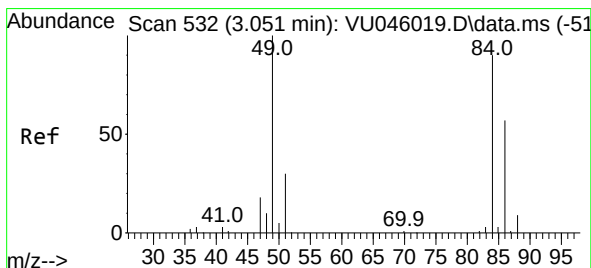
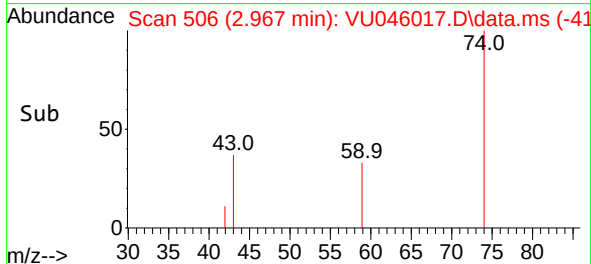
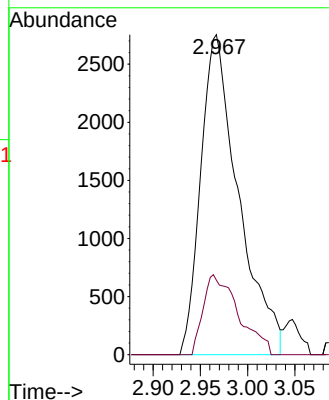
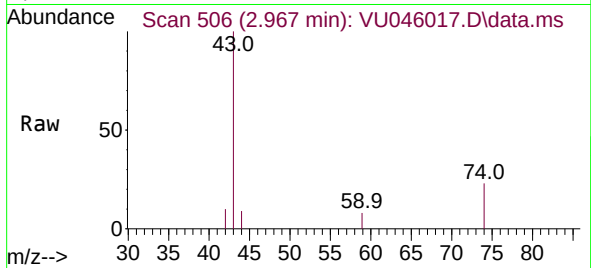




#15
Methyl Acetate
Concen: 5.129 ug/L
RT: 2.967 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

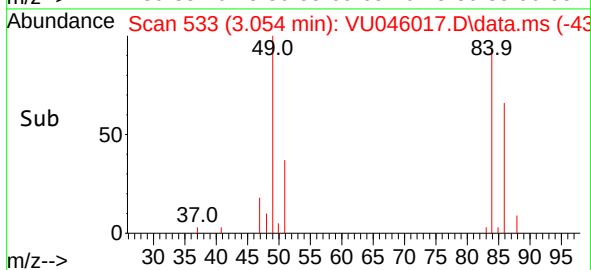
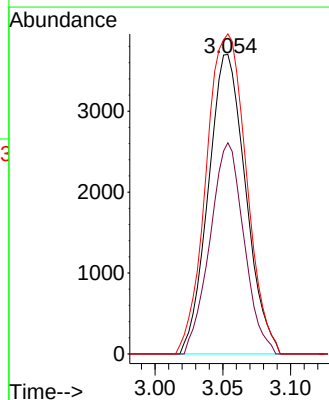
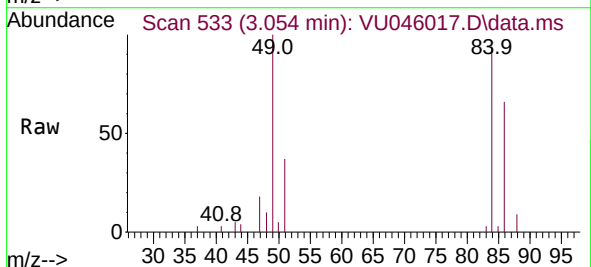
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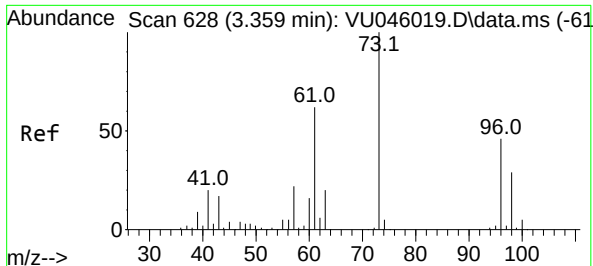
Tgt Ion: 43 Resp: 7646
Ion Ratio Lower Upper
43 100
74 23.4 20.8 31.2



#16
Methylene chloride
Concen: 5.356 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 84 Resp: 7088
Ion Ratio Lower Upper
84 100
86 70.5 44.7 83.1
49 106.9 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 4.682 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

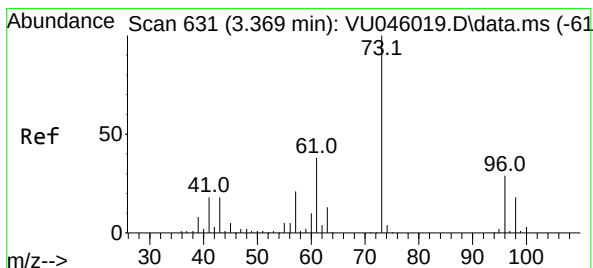
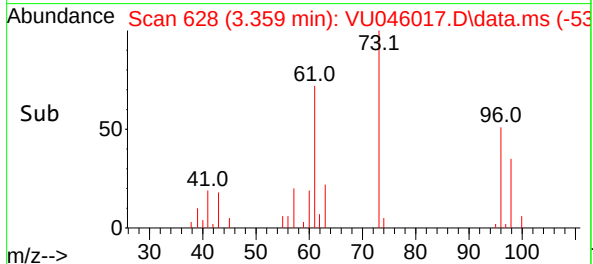
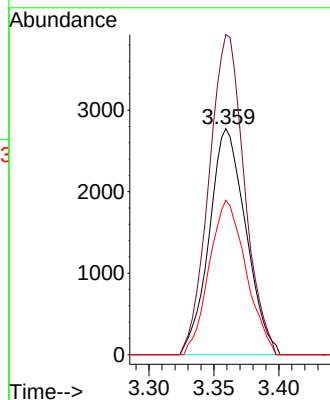
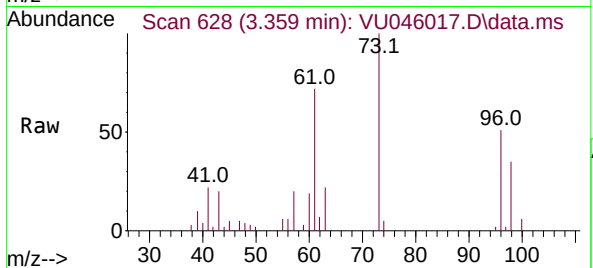
Tgt Ion: 96 Resp: 5440

Ion Ratio Lower Upper

96 100

61 141.6 94.6 175.6

98 68.3 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 3.936 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

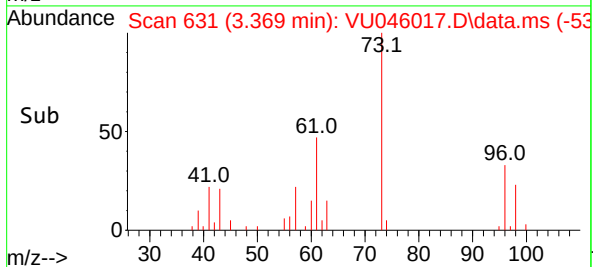
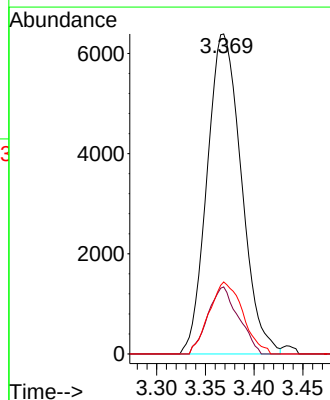
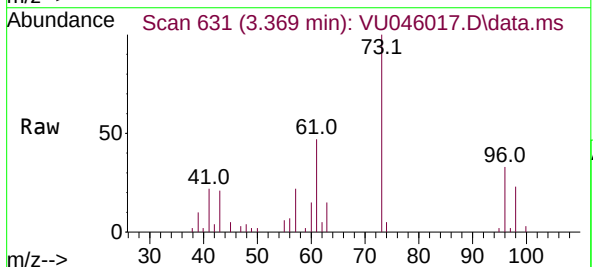
Tgt Ion: 73 Resp: 15610

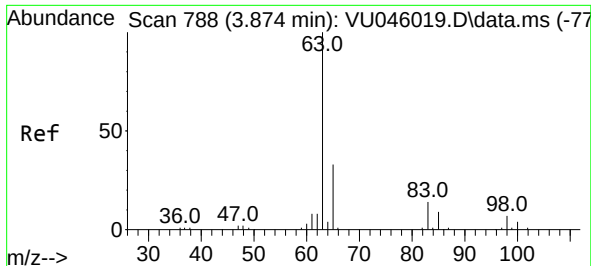
Ion Ratio Lower Upper

73 100

43 18.7 14.0 21.0

57 22.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 4.545 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

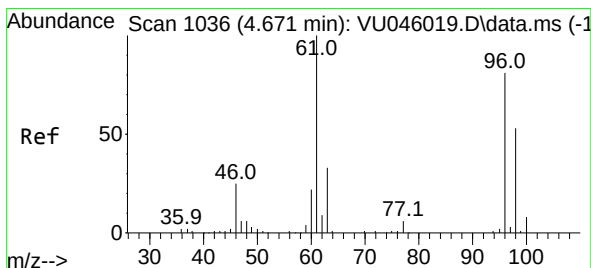
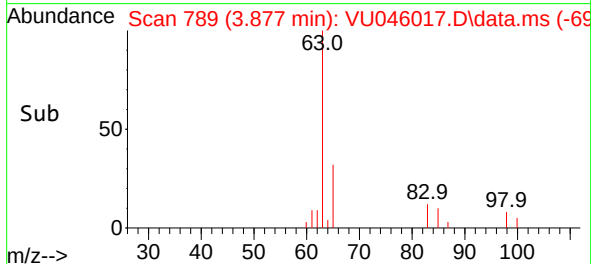
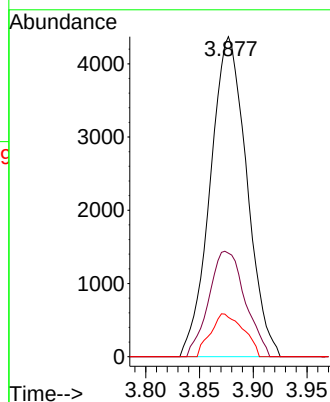
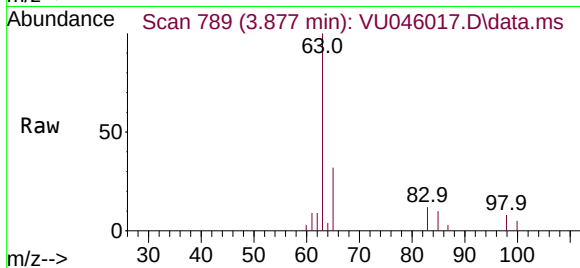
Tgt Ion: 63 Resp: 10295

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 12.3 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 4.419 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

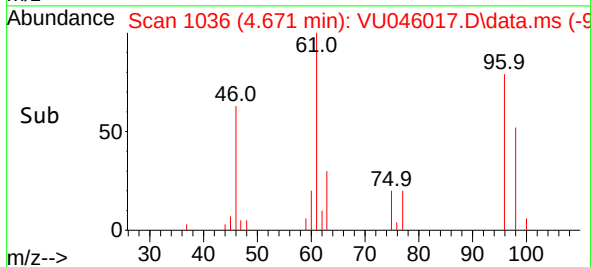
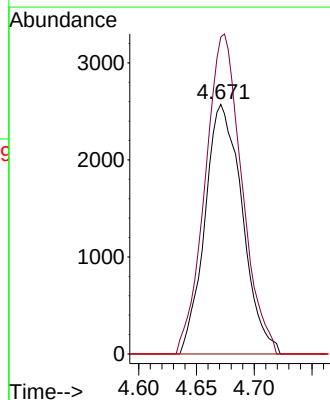
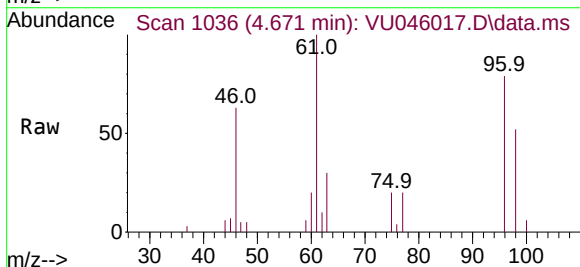
Tgt Ion: 96 Resp: 5789

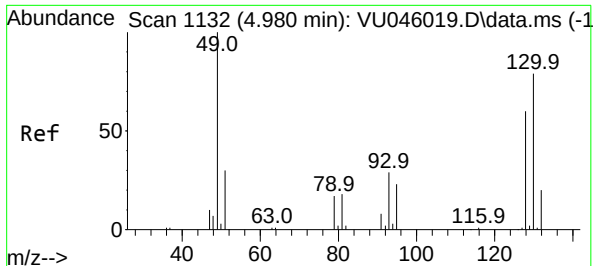
Ion Ratio Lower Upper

96 100

61 127.0 86.8 161.2

68 0.0 0.0 0.0

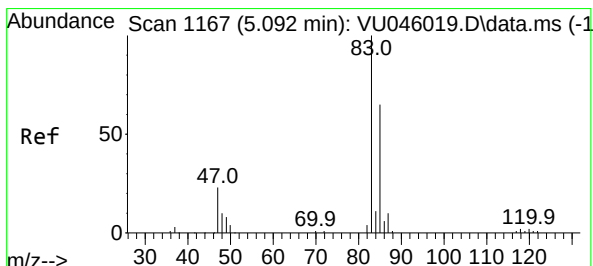
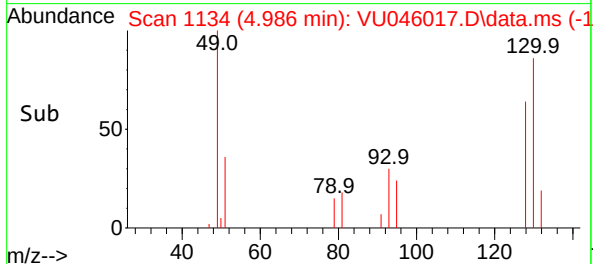
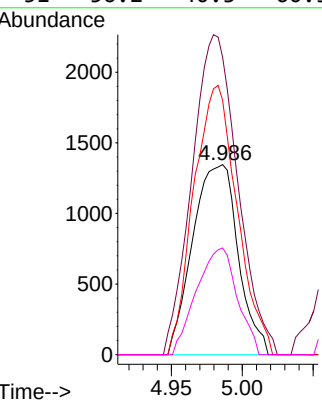
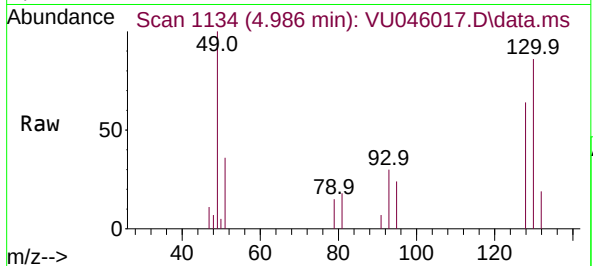




#23
Bromochloromethane
Concen: 4.713 ug/L
RT: 4.986 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

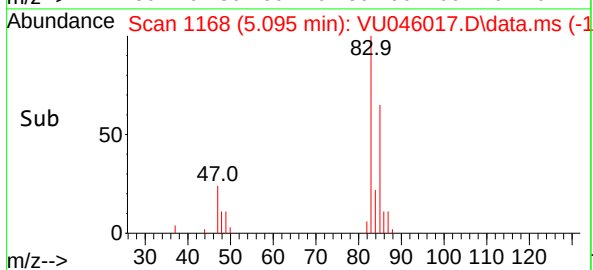
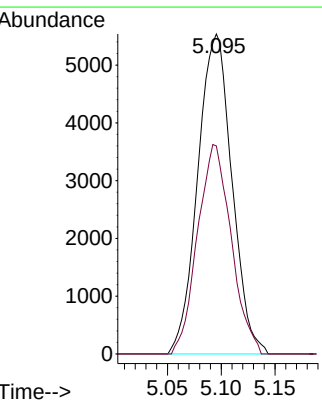
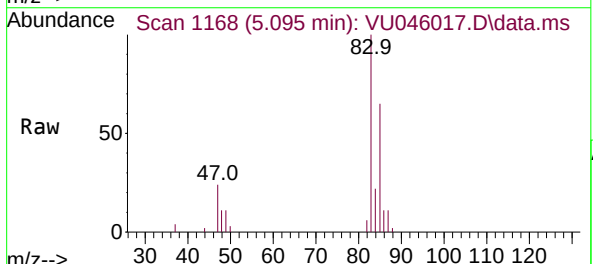
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

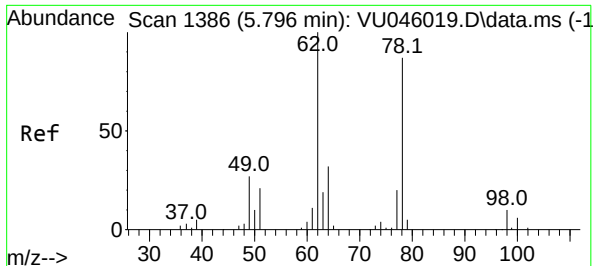
Tgt Ion:	128	Resp:	3001
Ion	Ratio	Lower	Upper
128	100		
49	156.5	115.9	215.3
130	133.9	91.8	170.4
51	56.2	40.3	60.5



#25
Chloroform
Concen: 5.299 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:	83	Resp:	12238
Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.8	85.2





#27

1,2-Dichloroethane

Concen: 4.463 ug/L

RT: 5.800 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

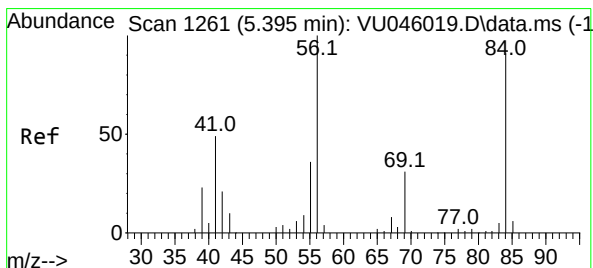
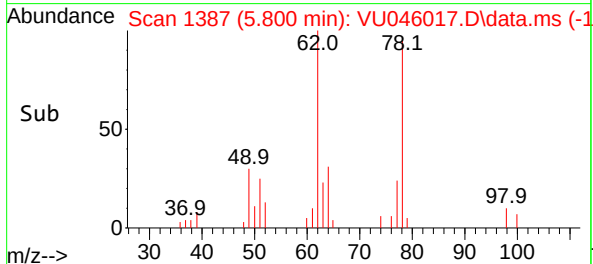
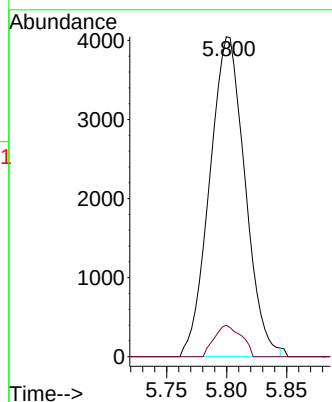
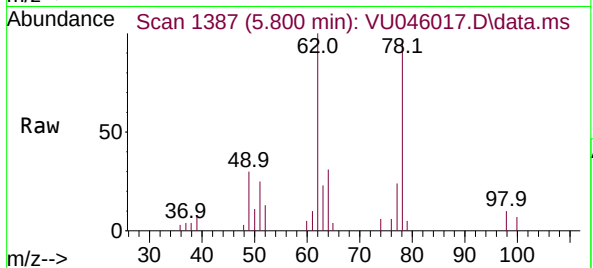
VSTD005031

Tgt Ion: 62 Resp: 8286

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9



#29

Cyclohexane

Concen: 3.555 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

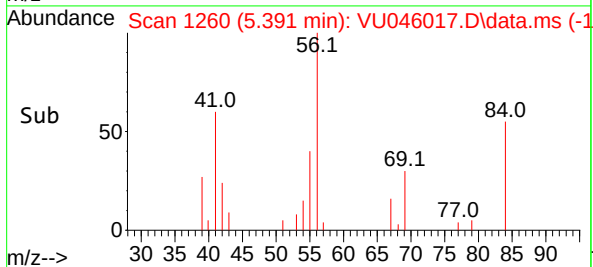
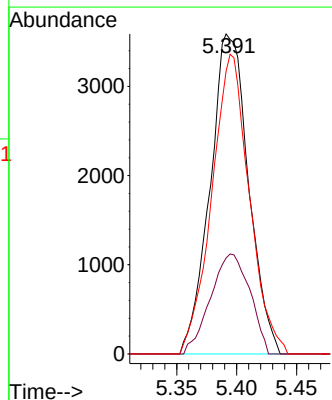
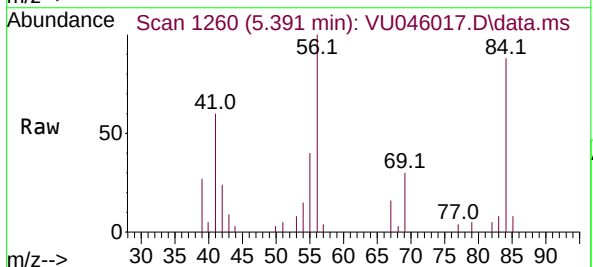
Tgt Ion: 56 Resp: 7975

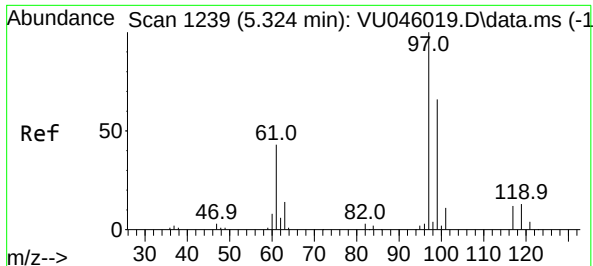
Ion Ratio Lower Upper

56 100

69 32.0 25.2 37.8

84 91.4 73.3 109.9





#30

1,1,1-Trichloroethane

Concen: 4.563 ug/L

RT: 5.320 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

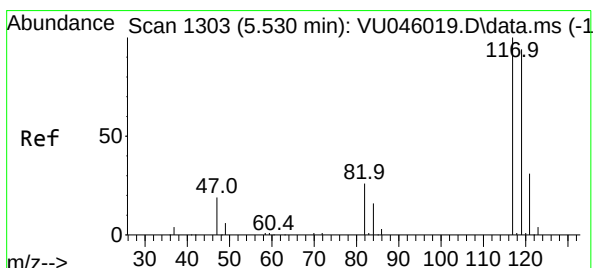
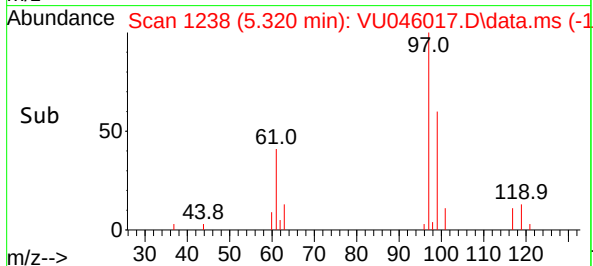
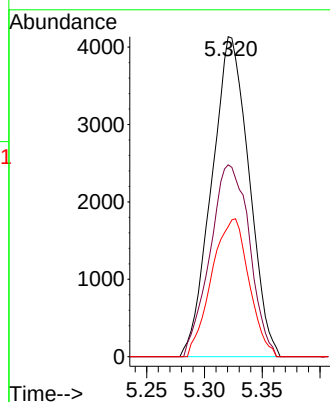
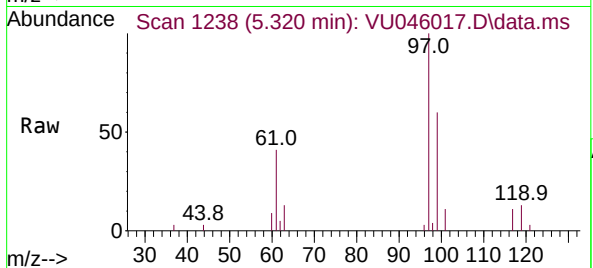
Tgt Ion: 97 Resp: 9271

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

61 43.2 34.4 51.6



#31

Carbon tetrachloride

Concen: 4.683 ug/L

RT: 5.529 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU046017.D

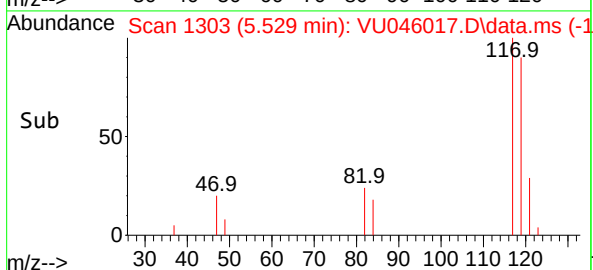
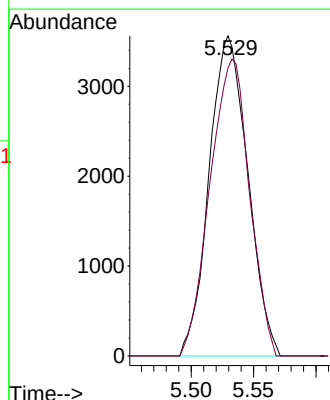
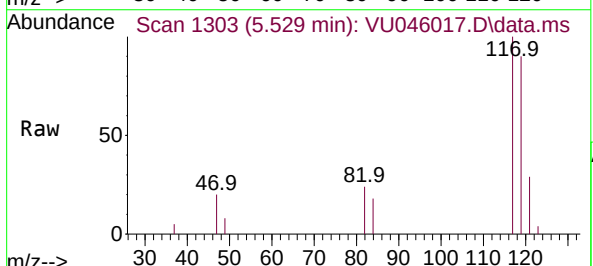
Acq: 29 Nov 2021 12:01

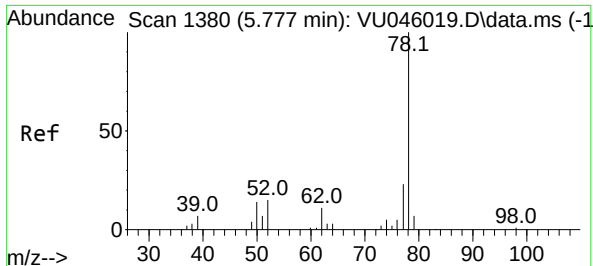
Tgt Ion: 117 Resp: 7681

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5

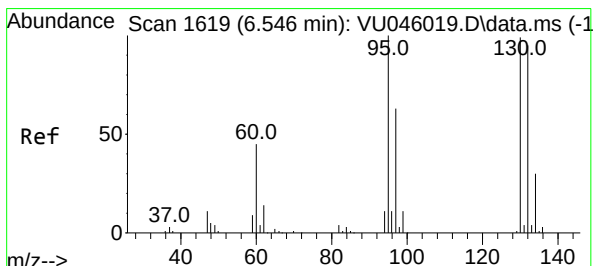
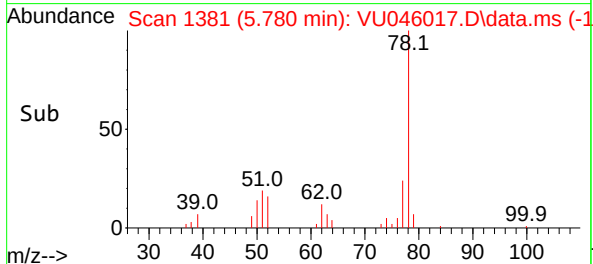
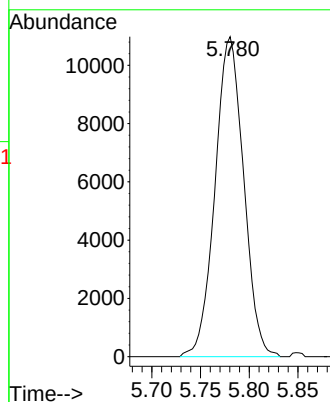
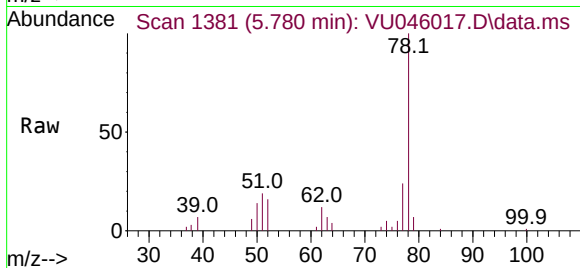




#33
Benzene
Concen: 4.109 ug/L
RT: 5.780 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

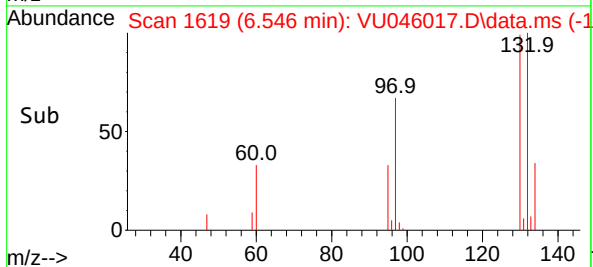
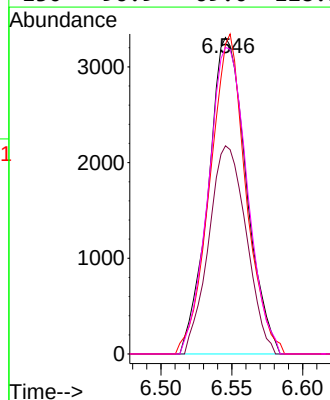
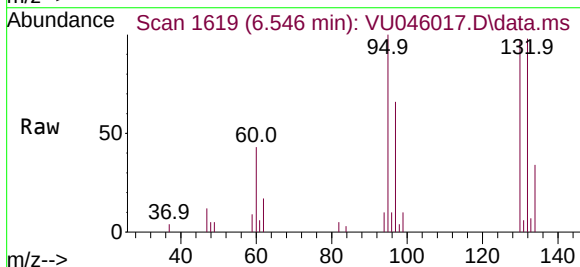
Tgt Ion: 78 Resp: 22432

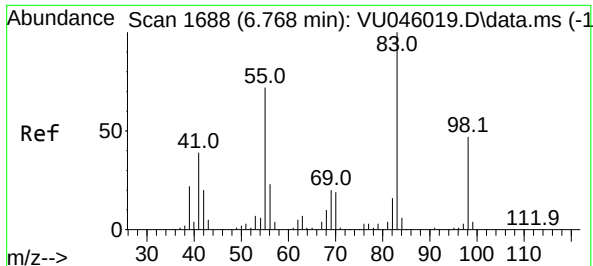


#34
Trichloroethene
Concen: 4.623 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 95 Resp: 6164

Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.1	81.9
132	97.9	66.8	124.0
130	96.9	69.0	128.1

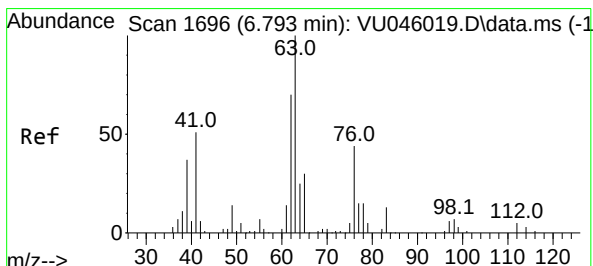
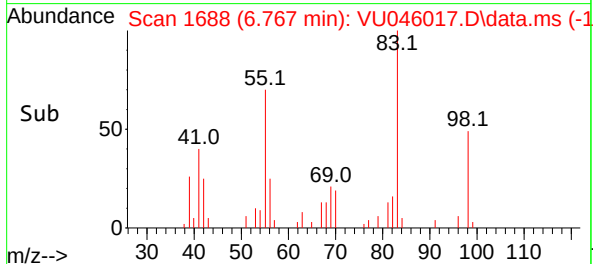
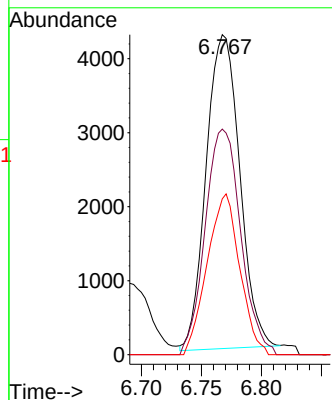
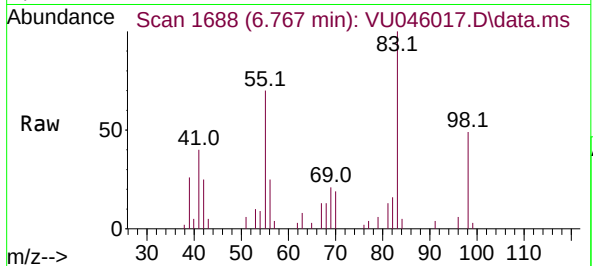




#35
Methylcyclohexane
Concen: 3.612 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

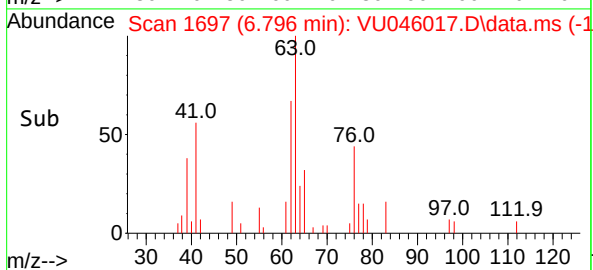
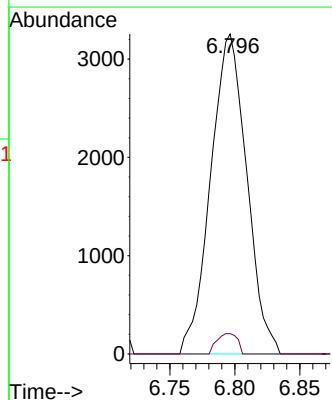
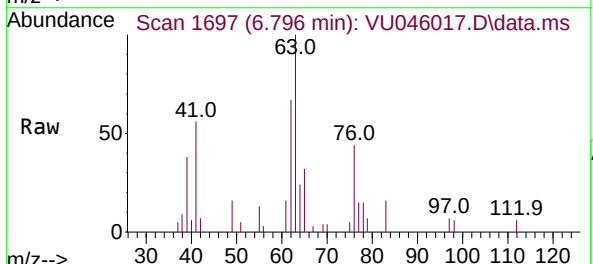
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

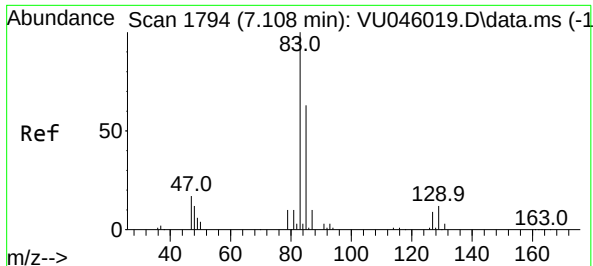
Tgt Ion:	83	Resp:	8283
Ion	Ratio	Lower	Upper
83	100		
55	76.0	57.8	86.6
98	49.5	38.4	57.6



#37
1,2-Dichloropropane
Concen: 4.341 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:	63	Resp:	6281
Ion	Ratio	Lower	Upper
63	100		
112	3.6	3.8	5.6





#38

Bromodichloromethane

Concen: 4.433 ug/L

RT: 7.108 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

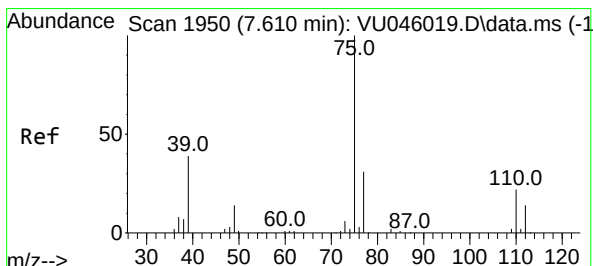
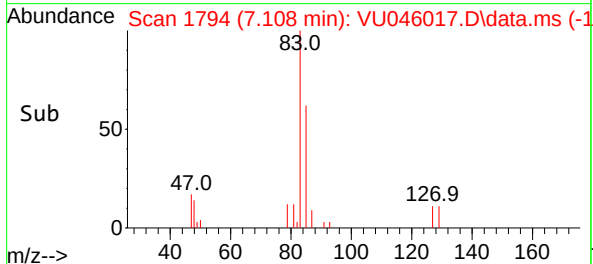
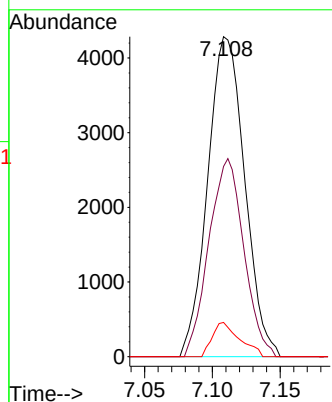
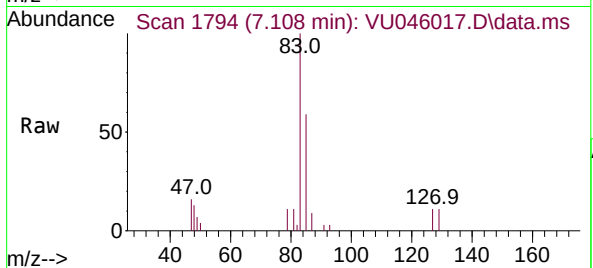
Tgt Ion: 83 Resp: 8137

Ion Ratio Lower Upper

83 100

85 59.5 44.4 82.5

127 10.7 6.9 10.3#



#39

cis-1,3-Dichloropropene

Concen: 3.669 ug/L

RT: 7.613 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VU046017.D

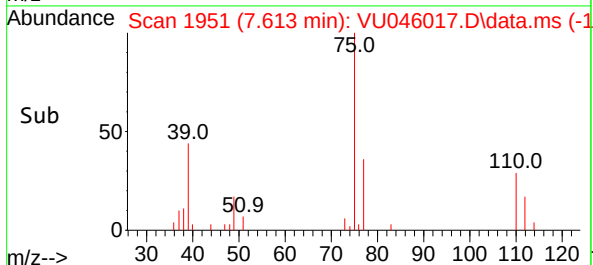
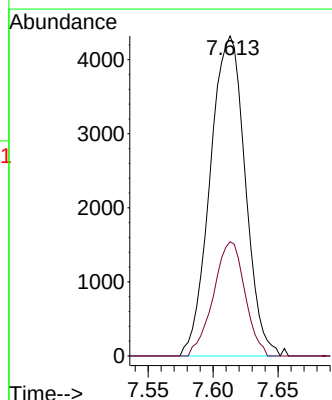
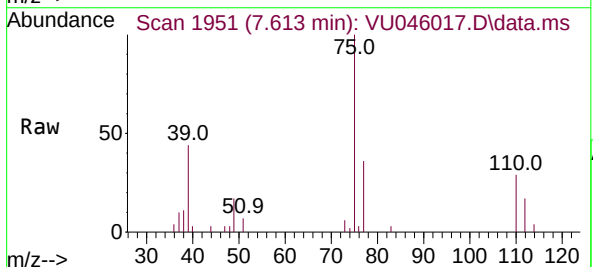
Acq: 29 Nov 2021 12:01

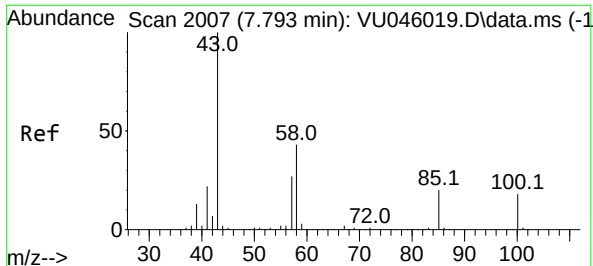
Tgt Ion: 75 Resp: 8105

Ion Ratio Lower Upper

75 100

77 35.7 21.8 40.6





#40

4-Methyl-2-pentanone

Concen: 7.352 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

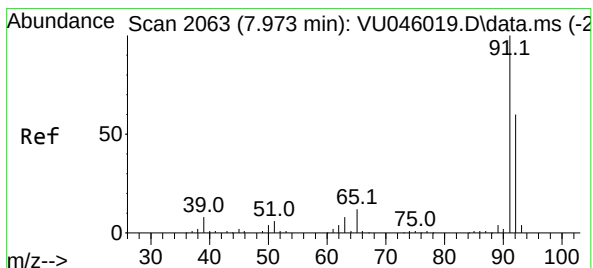
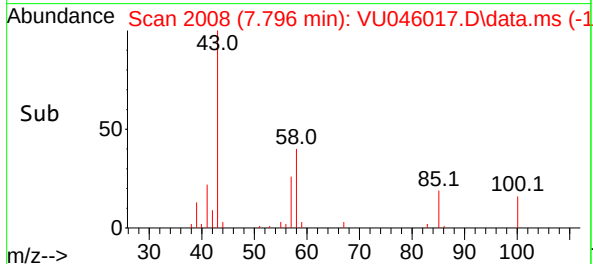
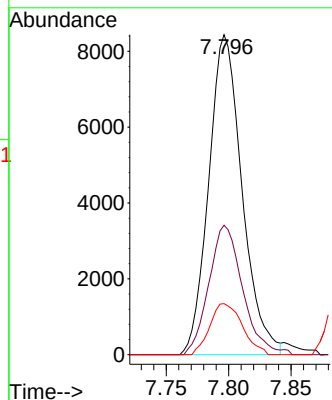
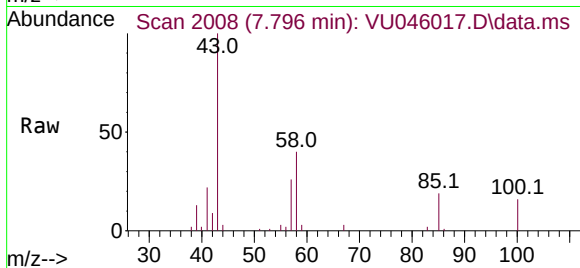
Tgt Ion: 43 Resp: 15692

Ion Ratio Lower Upper

43 100

58 40.7 34.2 51.4

100 15.6 14.5 21.7



#42

Toluene

Concen: 4.033 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046017.D

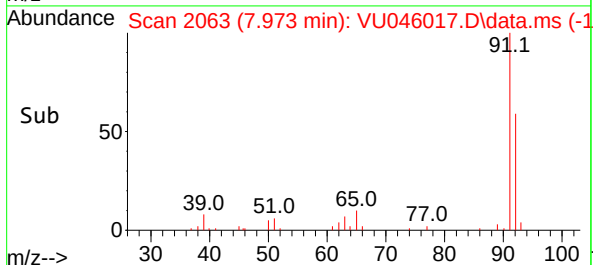
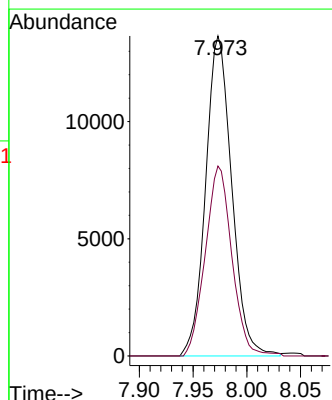
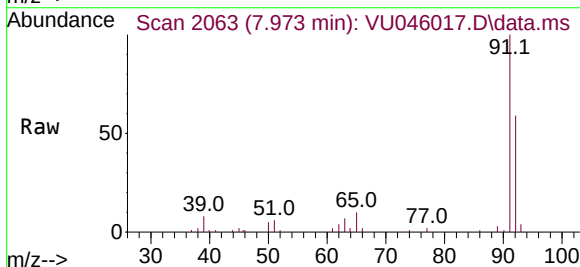
Acq: 29 Nov 2021 12:01

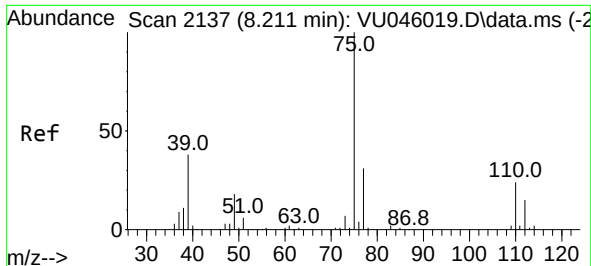
Tgt Ion: 91 Resp: 23081

Ion Ratio Lower Upper

91 100

92 59.3 41.9 77.7

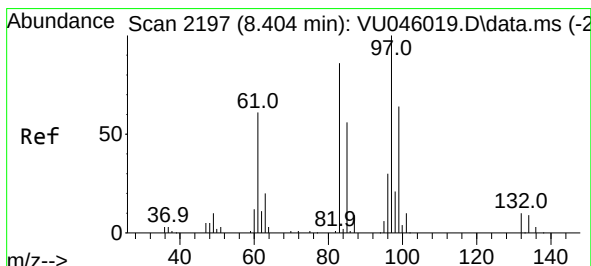
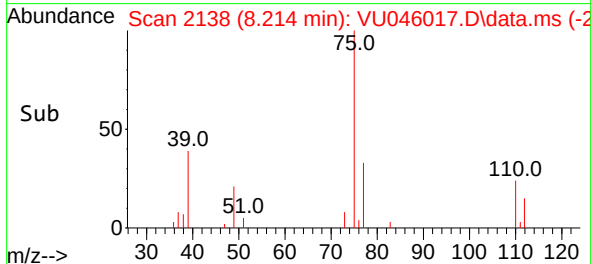
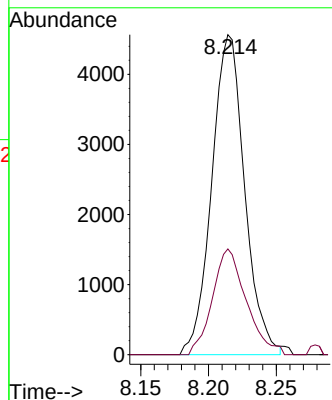
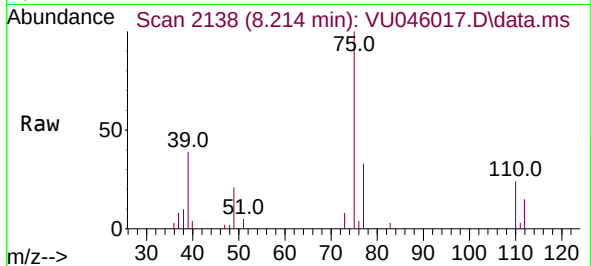




#44
trans-1,3-Dichloropropene
Concen: 3.651 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

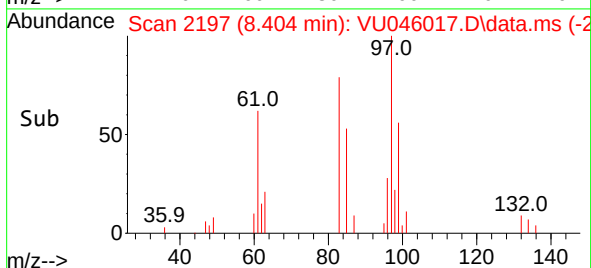
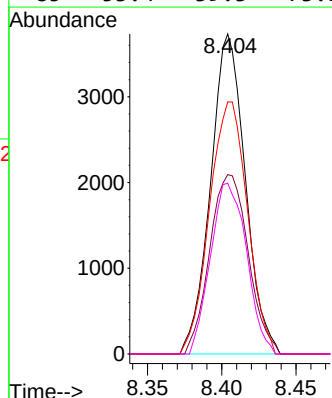
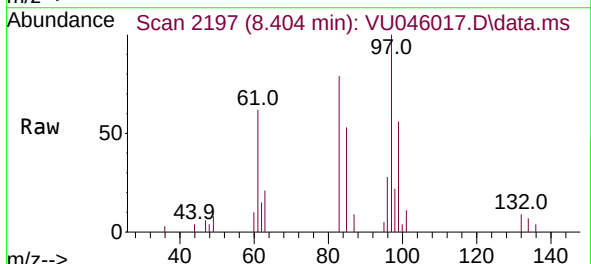
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

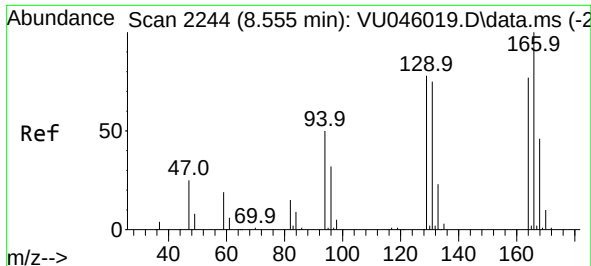
Tgt Ion: 75 Resp: 7701
Ion Ratio Lower Upper
75 100
77 33.1 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 4.483 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 97 Resp: 6072
Ion Ratio Lower Upper
97 100
99 56.0 44.7 82.9
83 78.8 60.2 111.8
85 53.4 39.3 73.1



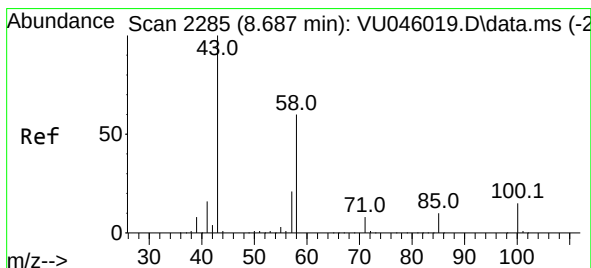
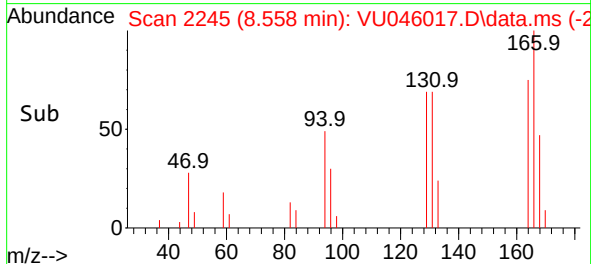
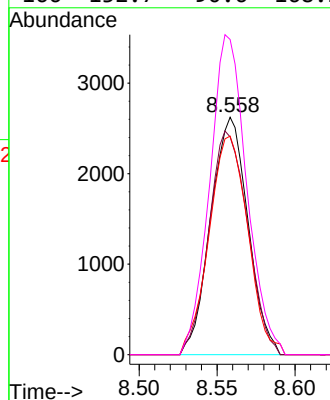
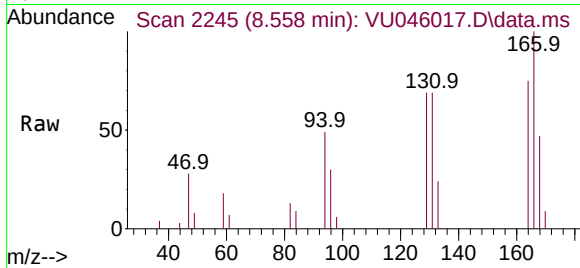


#46
Tetrachloroethene
Concen: 4.592 ug/L
RT: 8.558 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

Tgt Ion:164 Resp: 4382

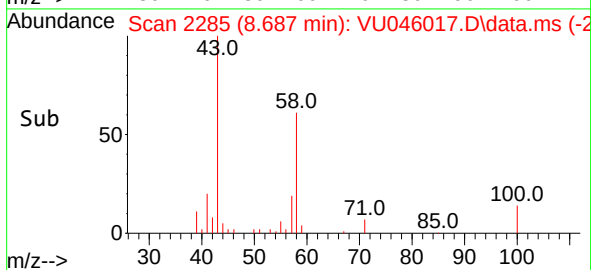
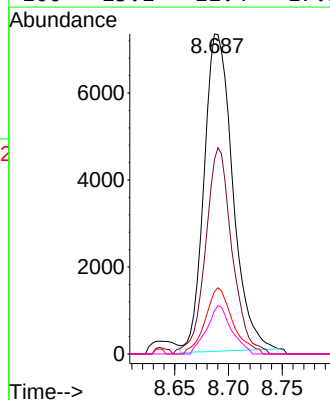
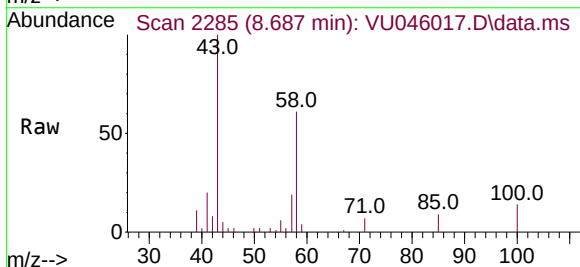
Ion	Ratio	Lower	Upper
164	100		
129	91.7	71.1	132.1
131	92.0	67.8	126.0
166	132.7	90.6	168.2

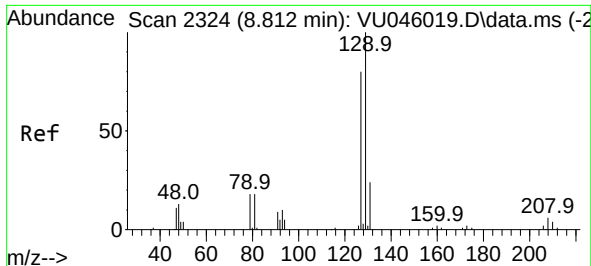


#48
2-Hexanone
Concen: 7.492 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 43 Resp: 13524

Ion	Ratio	Lower	Upper
43	100		
58	60.0	47.4	71.2
57	19.9	16.6	25.0
100	13.1	11.4	17.2





#49

Dibromochloromethane

Concen: 4.415 ug/L

RT: 8.816 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

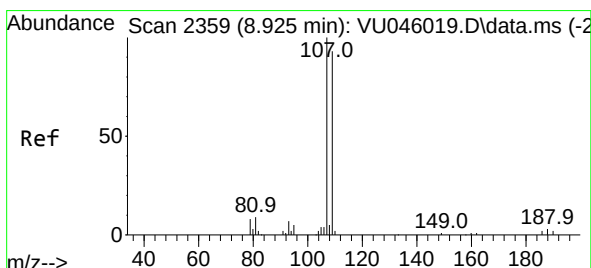
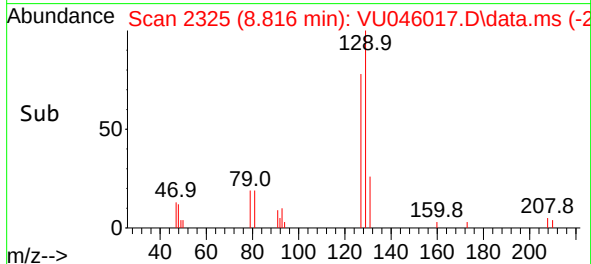
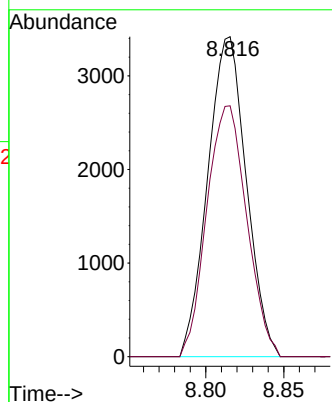
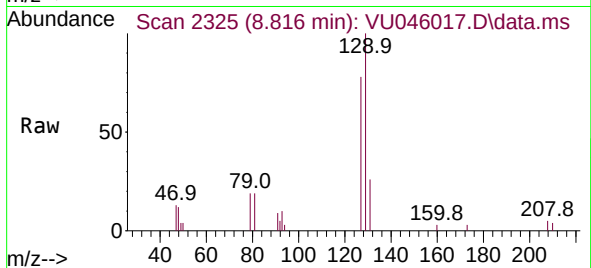
VSTD005031

Tgt Ion:129 Resp: 5883

Ion Ratio Lower Upper

129 100

127 78.4 55.6 103.4



#50

1,2-Dibromoethane

Concen: 4.422 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

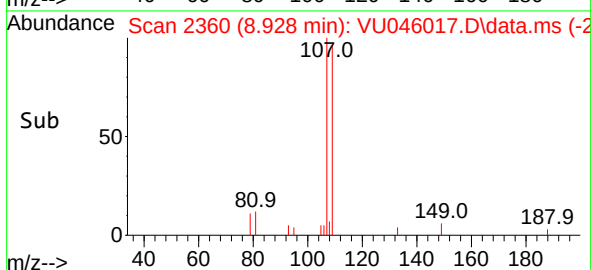
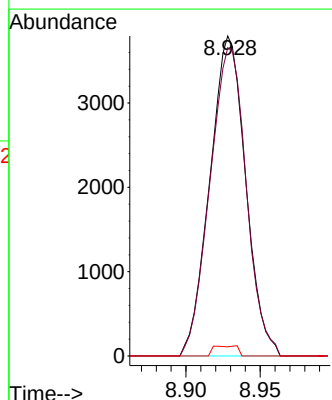
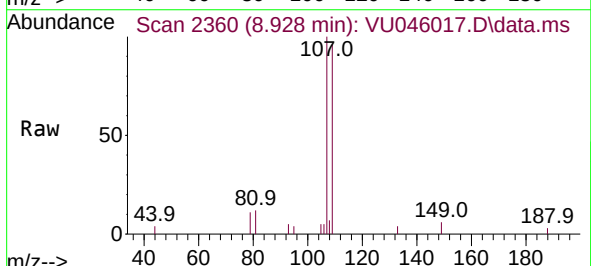
Tgt Ion:107 Resp: 6350

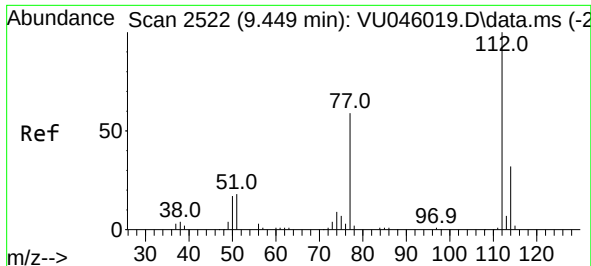
Ion Ratio Lower Upper

107 100

109 96.4 64.9 120.5

188 2.8 2.6 3.8

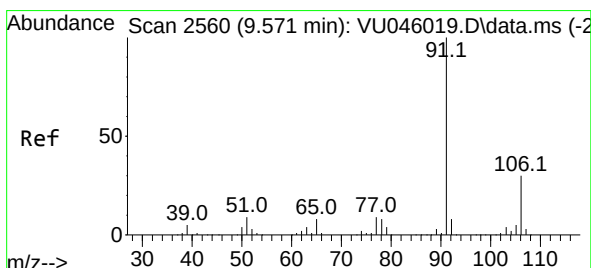
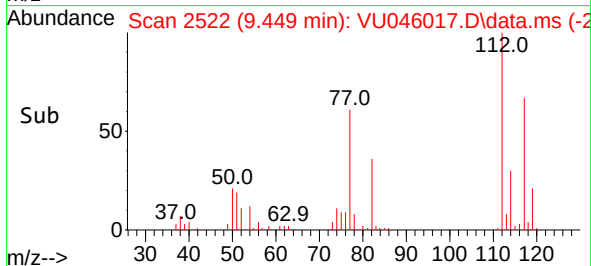
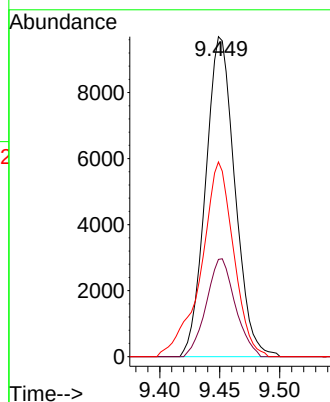
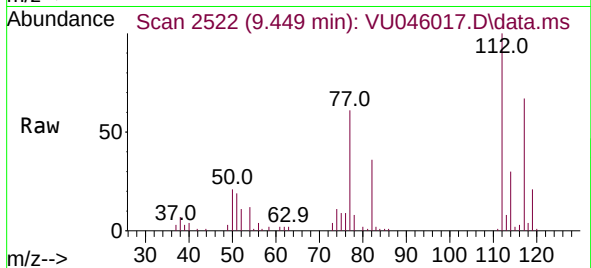




#51
Chlorobenzene
Concen: 4.722 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

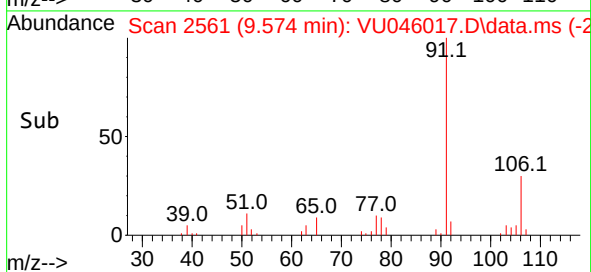
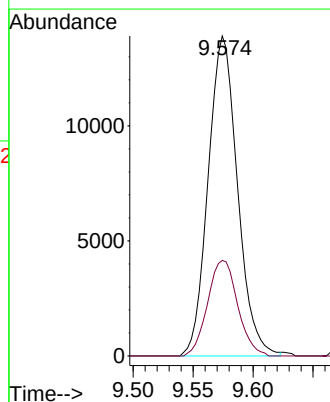
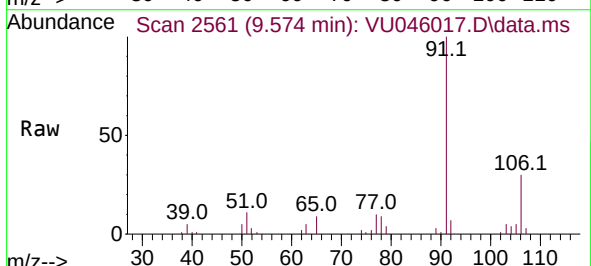
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

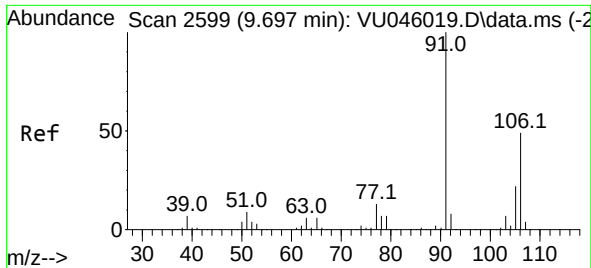
Tgt Ion:112 Resp: 16466
Ion Ratio Lower Upper
112 100
114 30.4 22.2 41.2
77 60.9 47.4 71.0



#52
Ethylbenzene
Concen: 3.871 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 91 Resp: 23659
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3

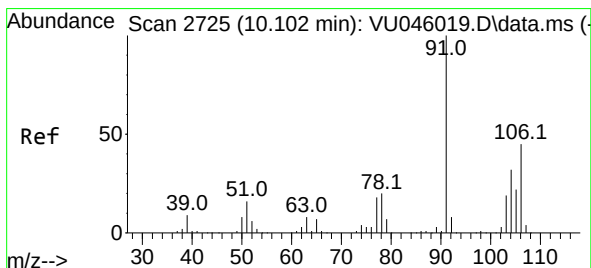
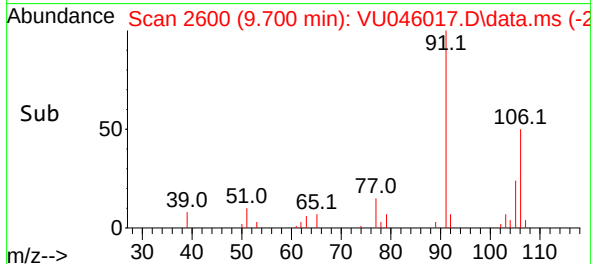
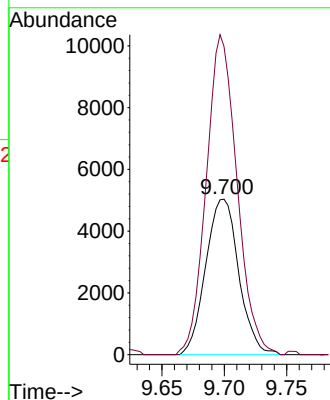
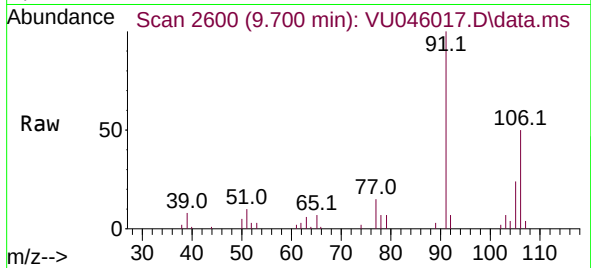




#53
m,p-Xylene
Concen: 3.973 ug/L
RT: 9.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

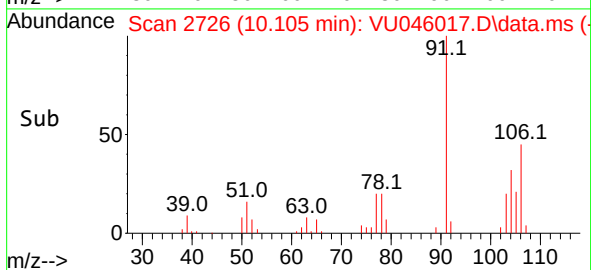
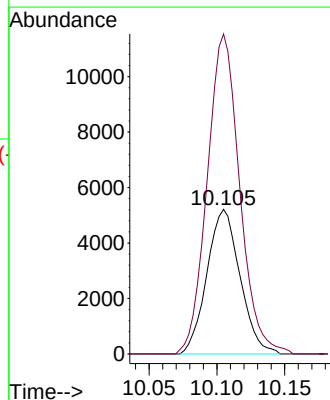
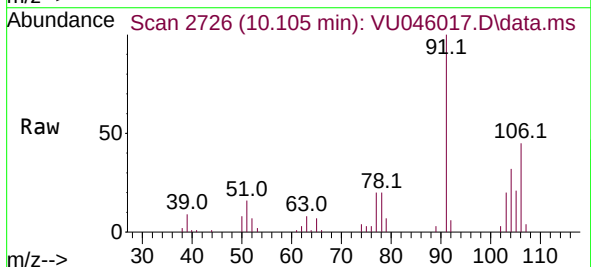
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

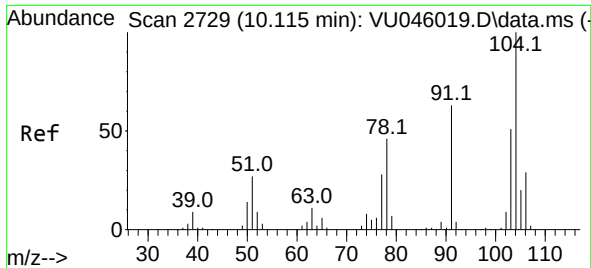
Tgt Ion:106 Resp: 9296
Ion Ratio Lower Upper
106 100
91 198.1 144.3 268.1



#54
o-xylene
Concen: 3.844 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:106 Resp: 8863
Ion Ratio Lower Upper
106 100
91 221.3 154.2 286.4

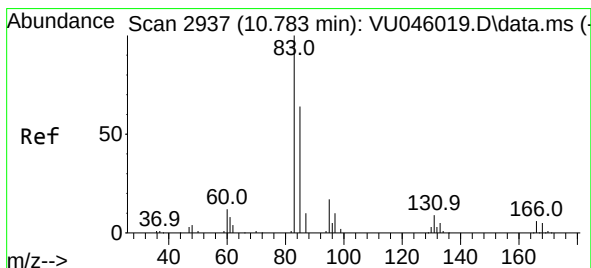
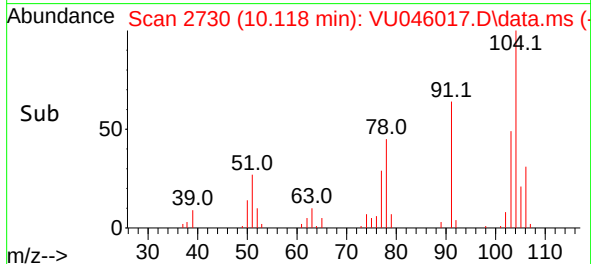
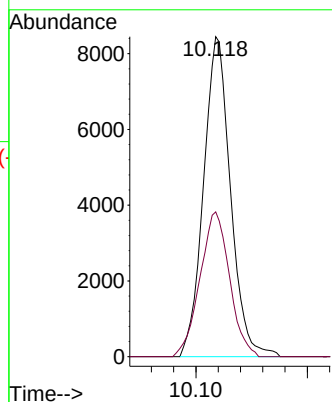
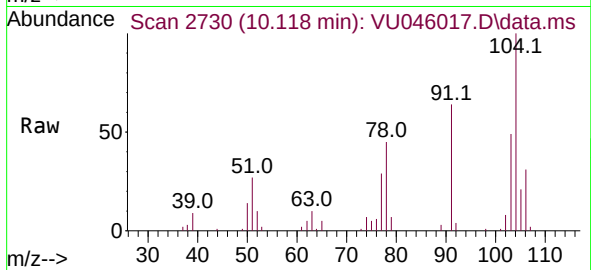




#55
Styrene
Concen: 3.652 ug/L
RT: 10.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

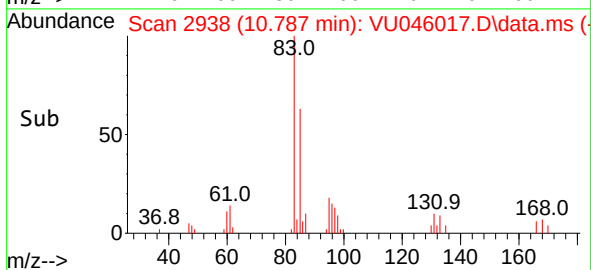
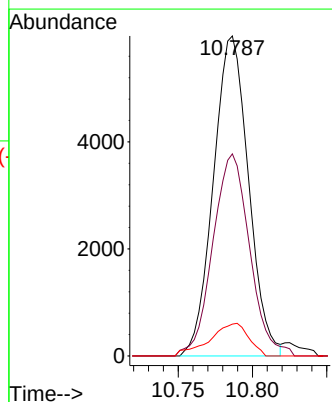
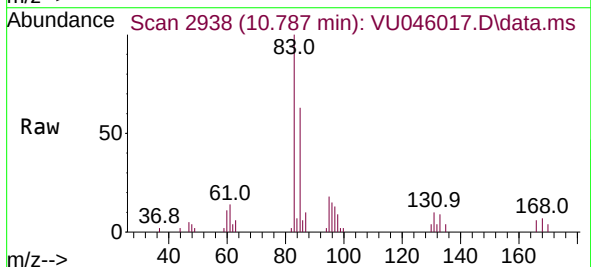
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

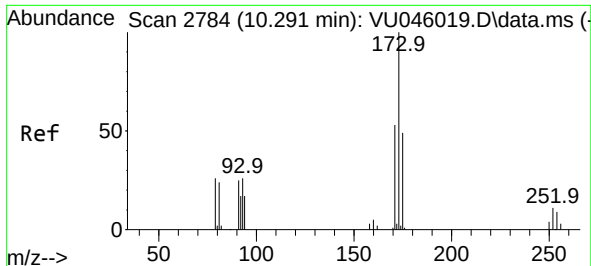
Tgt Ion:104 Resp: 14203
Ion Ratio Lower Upper
104 100
78 45.3 32.6 60.5



#57
1,1,2,2-Tetrachloroethane
Concen: 4.145 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 83 Resp: 9845
Ion Ratio Lower Upper
83 100
85 63.2 45.6 84.6
131 10.0 7.8 11.6

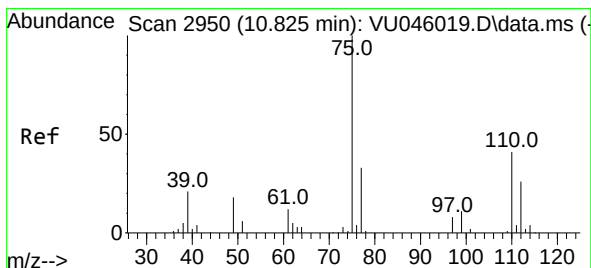
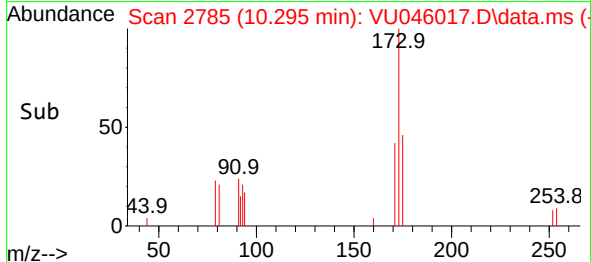
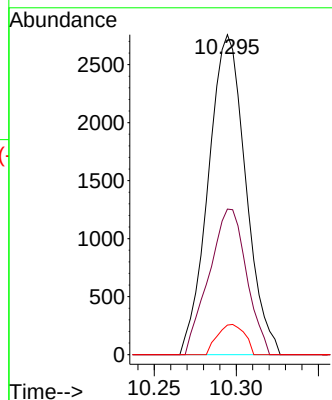
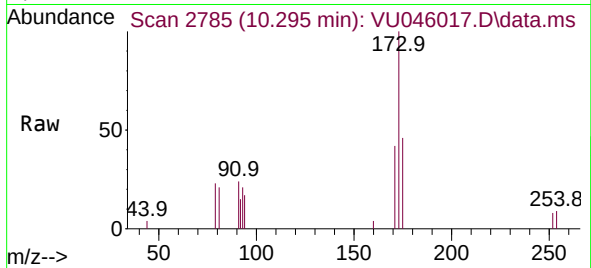




#59
Bromoform
Concen: 4.825 ug/L
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

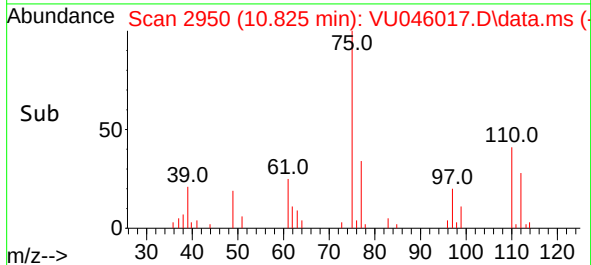
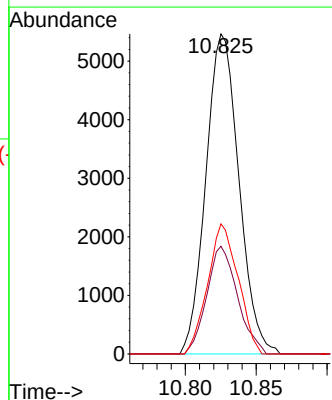
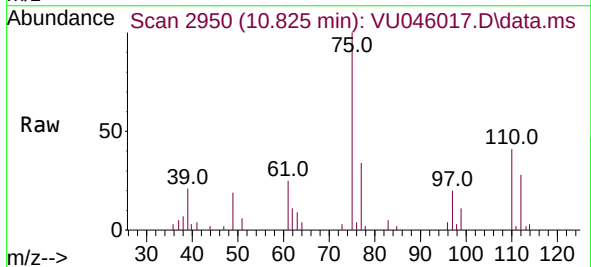
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

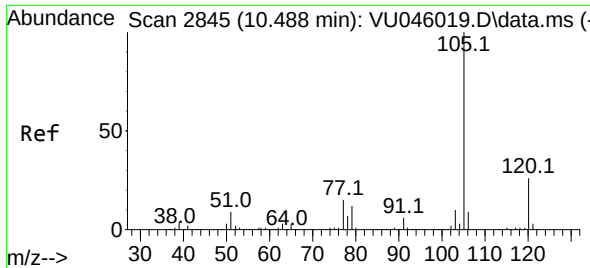
Tgt Ion:173 Resp: 4356
Ion Ratio Lower Upper
173 100
175 45.6 39.2 58.8
254 6.9 7.4 11.2#



#60
1,2,3-Trichloropropane
Concen: 4.714 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion: 75 Resp: 8858
Ion Ratio Lower Upper
75 100
77 31.3 26.4 39.6
110 37.5 32.4 48.6

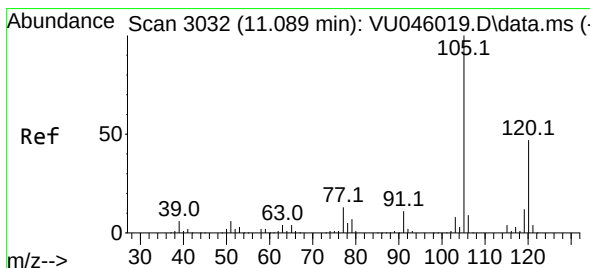
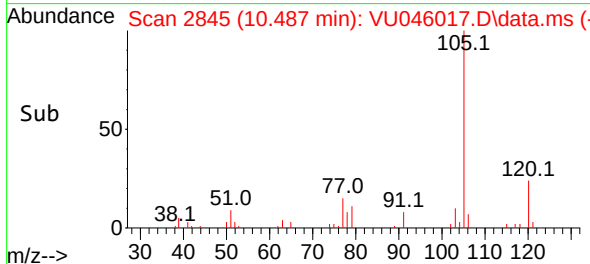
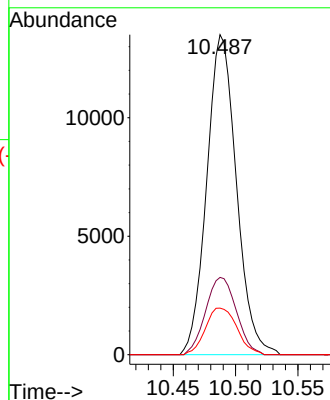
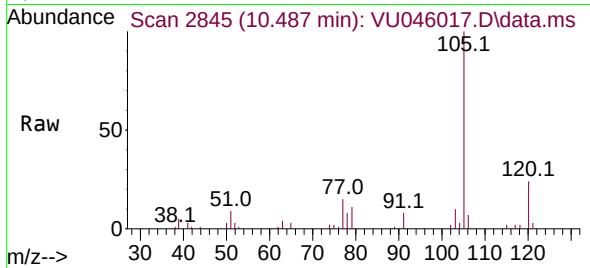




#61
Isopropylbenzene
Concen: 3.919 ug/L
RT: 10.487 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

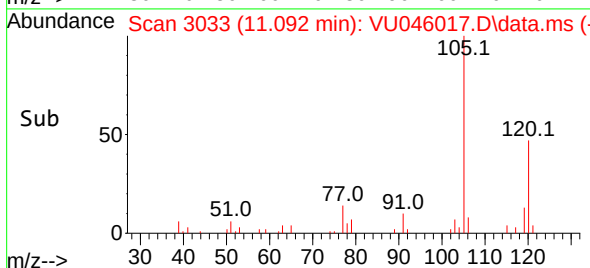
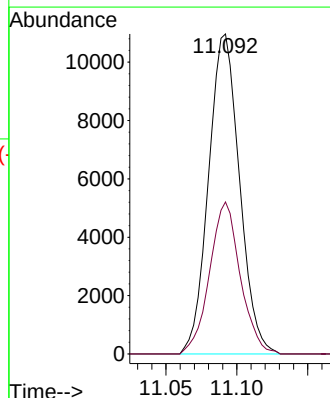
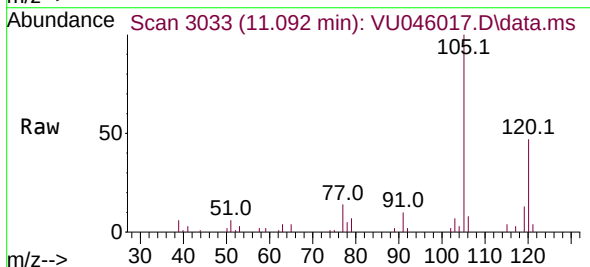
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

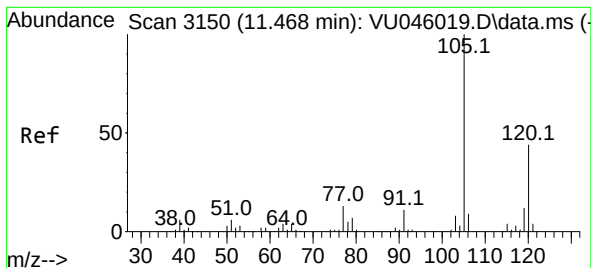
Tgt Ion:105 Resp: 22368
Ion Ratio Lower Upper
105 100
120 25.0 20.7 31.1
77 15.5 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 3.439 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:105 Resp: 16666
Ion Ratio Lower Upper
105 100
120 47.0 37.8 56.6





#63

1,2,4-Trimethylbenzene

Concen: 3.359 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

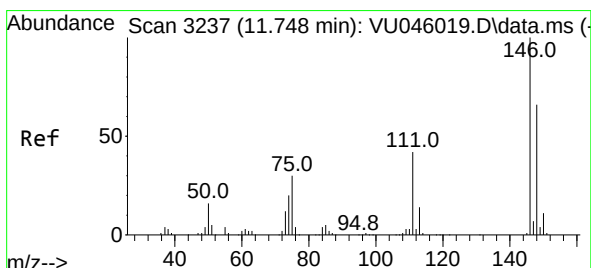
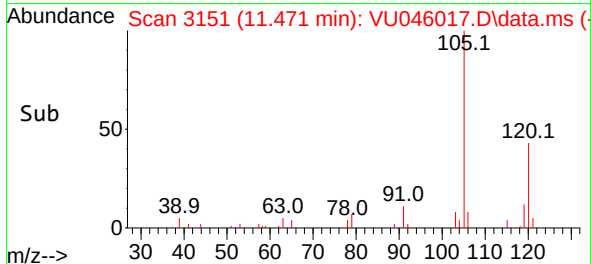
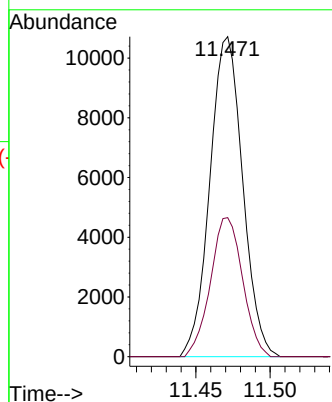
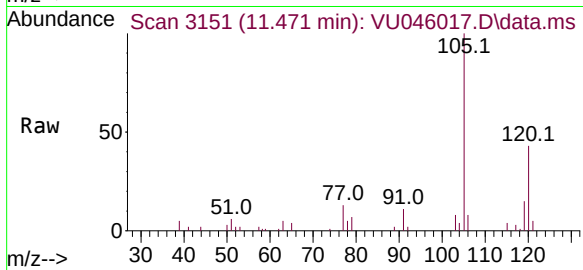
VSTD005031

Tgt Ion:105 Resp: 16473

Ion Ratio Lower Upper

105 100

120 42.5 35.2 52.8



#64

1,3-Dichlorobenzene

Concen: 4.545 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. -0.000 min

Lab File: VU046017.D

Acq: 29 Nov 2021 12:01

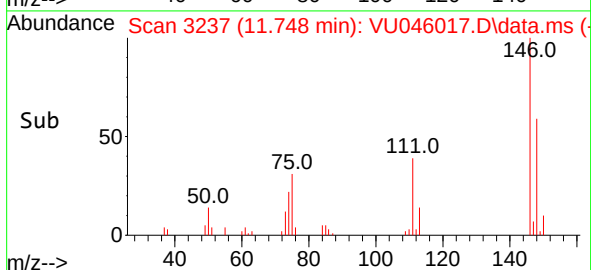
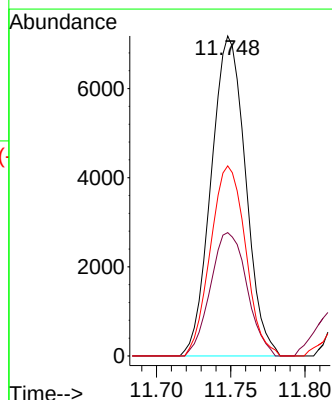
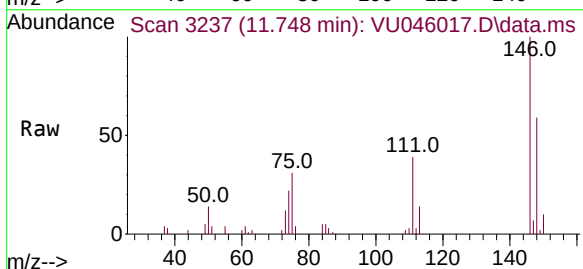
Tgt Ion:146 Resp: 11559

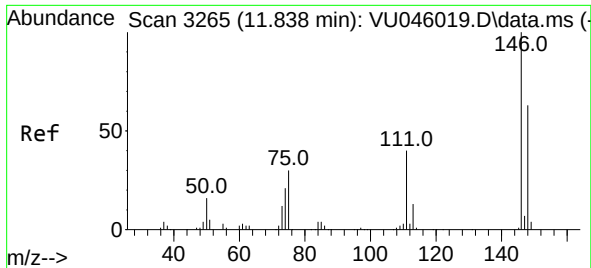
Ion Ratio Lower Upper

146 100

111 38.6 29.5 54.9

148 59.4 45.9 85.3

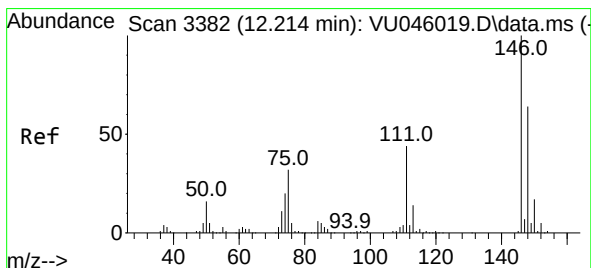
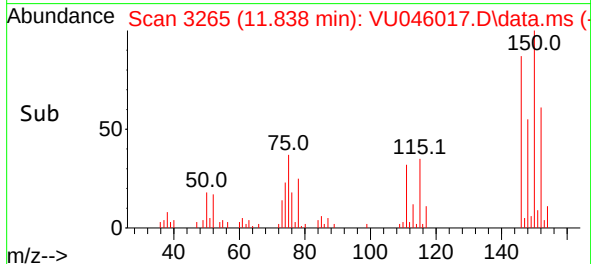
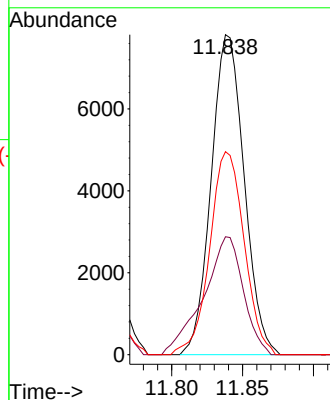
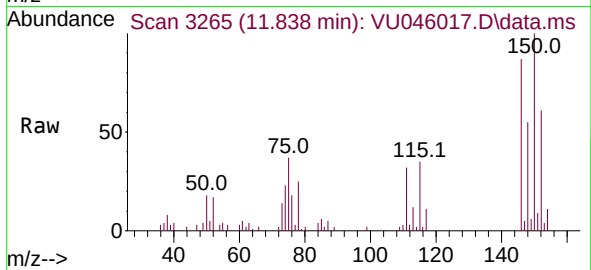




#65
 1,4-Dichlorobenzene
 Concen: 4.905 ug/L
 RT: 11.838 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

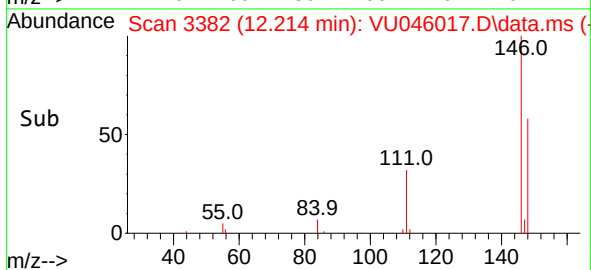
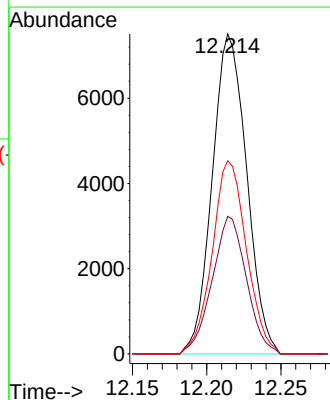
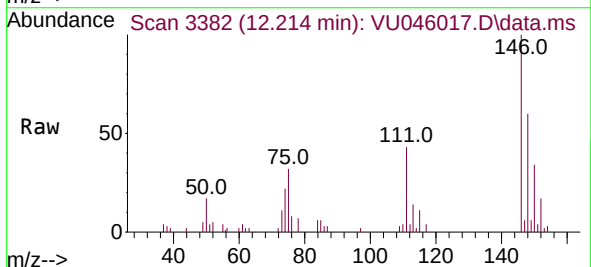
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

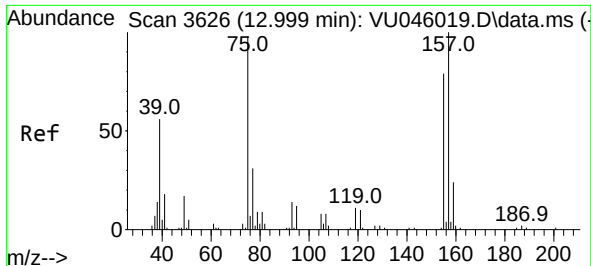
Tgt Ion:146	Resp:	12665
Ion Ratio	Lower	Upper
146	100	
111	36.9	28.3 52.7
148	63.5	43.8 81.3



#67
 1,2-Dichlorobenzene
 Concen: 4.637 ug/L
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.000 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

Tgt Ion:146	Resp:	12108
Ion Ratio	Lower	Upper
146	100	
111	43.0	35.7 53.5
148	60.4	51.2 76.8

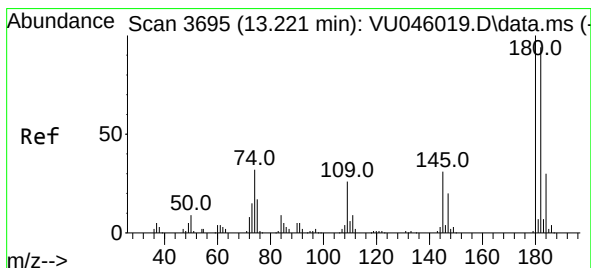
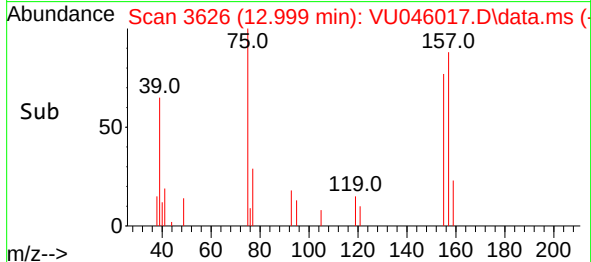
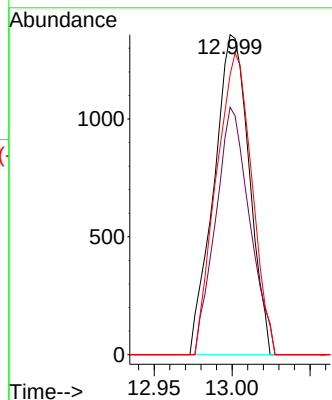
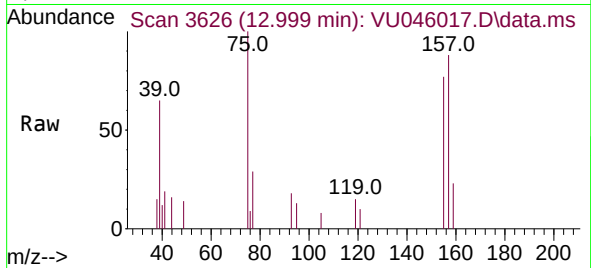




#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.943 ug/L
 RT: 12.999 min Scan# 3626
 Delta R.T. -0.000 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

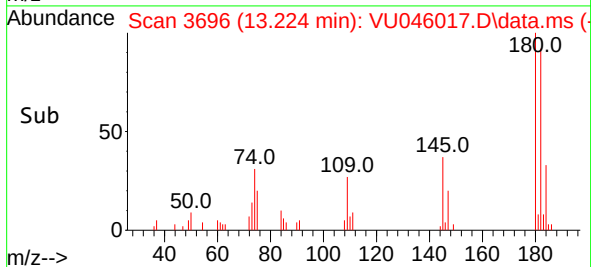
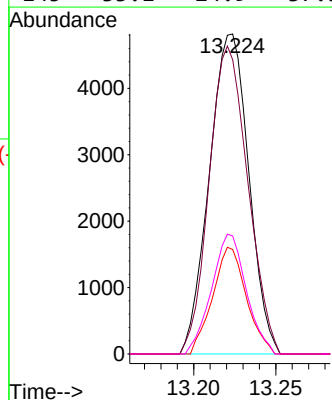
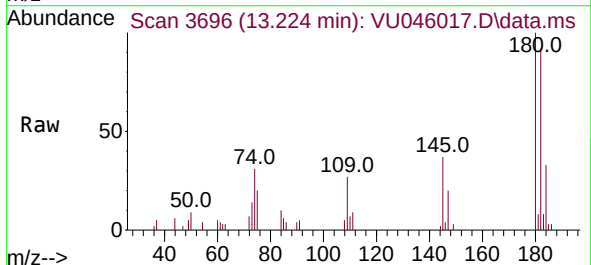
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

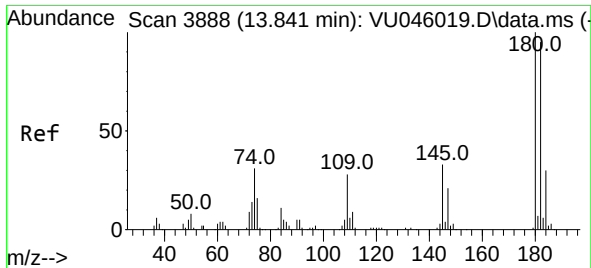
Tgt Ion: 75 Resp: 2137
 Ion Ratio Lower Upper
 75 100
 155 77.3 64.9 97.3
 157 87.6 81.9 122.9



#69
 1,3,5-Trichlorobenzene
 Concen: 4.272 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.003 min
 Lab File: VU046017.D
 Acq: 29 Nov 2021 12:01

Tgt Ion:180 Resp: 8034
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.9 113.9
 184 28.5 24.2 36.4
 145 33.1 24.9 37.3

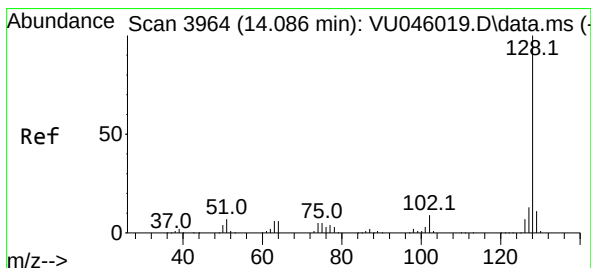
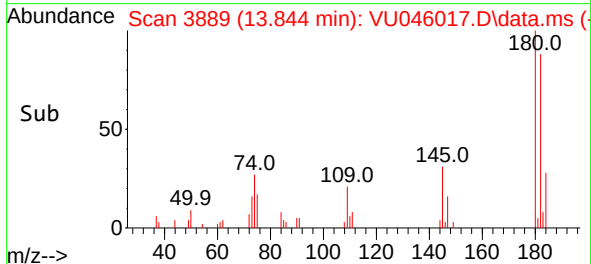
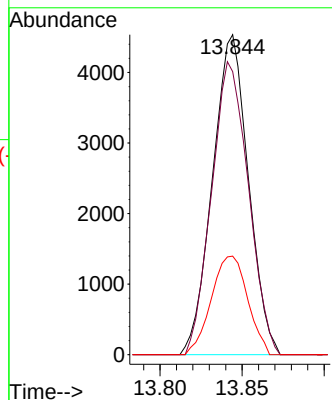
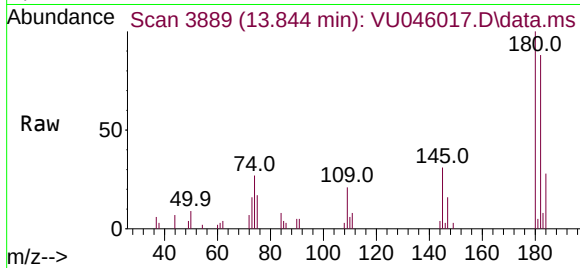




#70
1,2,4-trichlorobenzene
Concen: 4.032 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

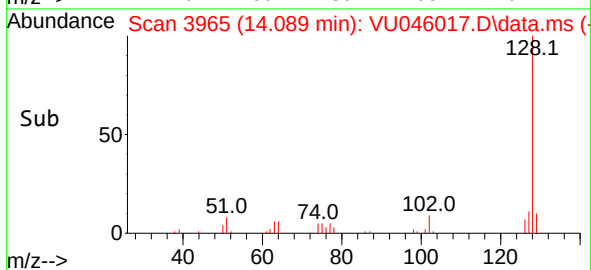
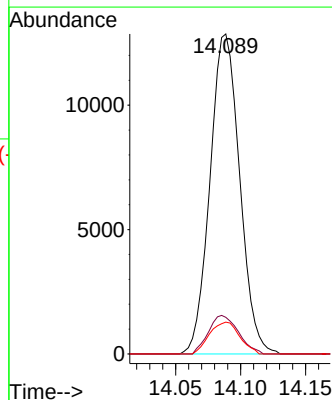
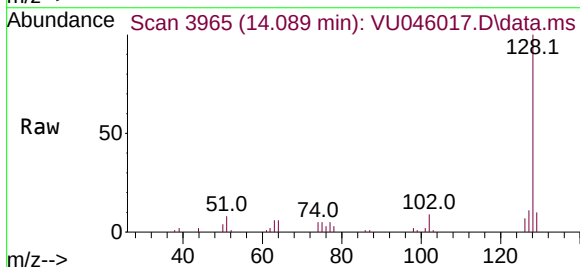
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

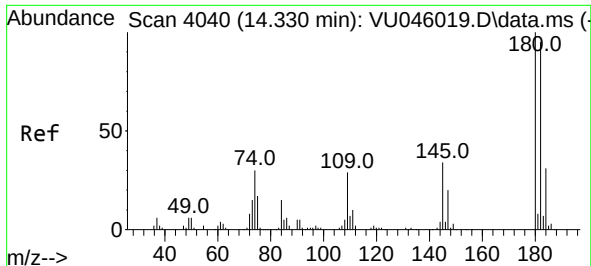
Tgt Ion:180 Resp: 6893
Ion Ratio Lower Upper
180 100
182 93.7 76.7 115.1
145 31.2 26.0 39.0



#71
Naphthalene
Concen: 3.181 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046017.D
Acq: 29 Nov 2021 12:01

Tgt Ion:128 Resp: 20450
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 10.1 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 3.841 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU046017.D

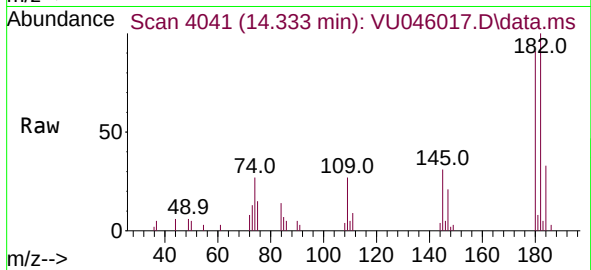
Acq: 29 Nov 2021 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031



Tgt Ion:180 Resp: 6724

Ion Ratio Lower Upper

180 100

182 104.7 76.0 114.0

145 33.3 27.3 40.9

