

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050149.D
 Acq On : 08 Aug 2022 20:58
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005152

Quant Time: Aug 09 00:41:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 09 00:39:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	87940	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	86502	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41423	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43533	5.948	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 119.000%		
7) Chloroethane-d5	1.909	69	36161	6.124	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 122.400%		
11) 1,1-Dichloroethene-d2	2.562	65	16052	5.612	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 112.200%		
20) 2-Butanone-d5	4.623	46	105831	59.300	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 118.600%		
24) Chloroform-d	5.064	84	80368	5.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 118.000%		
26) 1,2-Dichloroethane-d4	5.703	65	40117	5.740	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.800%		
32) Benzene-d6	5.729	84	157445	5.833	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 116.600%		
36) 1,2-Dichloropropane-d6	6.694	67	51405	5.783	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 115.600%		
41) Toluene-d8	7.899	98	141498	5.935	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 118.800%		
43) trans-1,3-Dichloroprop...	8.182	79	17313	5.435	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 108.800%		
46) 2-Hexanone-d5	8.633	63	70993	62.847	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 125.700%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44851	5.746	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 115.000%		
66) 1,2-Dichlorobenzene-d4	12.195	152	45147	5.563	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 111.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	41045	5.091	ug/L	99
3) Chloromethane	1.524	50	54395	5.158	ug/L	99
5) Vinyl chloride	1.604	62	48957	5.182	ug/L	97
6) Bromomethane	1.848	94	32671	5.417	ug/L	99
8) Chloroethane	1.929	64	28961	5.202	ug/L	98
9) Trichlorofluoromethane	2.134	101	54320	5.250	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	30771	5.346	ug/L	96
12) 1,1-Dichloroethene	2.578	96	31175	5.129	ug/L	90
13) Acetone	2.626	43	59071	59.434	ug/L	89
14) Carbon disulfide	2.790	76	108223	4.985	ug/L	99
15) Methyl Acetate	2.951	43	16057	5.917	ug/L	92
16) Methylene chloride	3.044	84	48004	5.168	ug/L	94
17) Methyl tert-butyl Ether	3.366	73	80363	5.066	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	34944	5.134	ug/L	95
19) 1,1-Dichloroethane	3.867	63	68597	5.322	ug/L	99
21) 2-Butanone	4.703	43	102277	57.226	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	39946	5.288	ug/L	99
23) Bromochloromethane	4.977	128	19409	5.375	ug/L	96
25) Chloroform	5.089	83	71992	5.239	ug/L	100

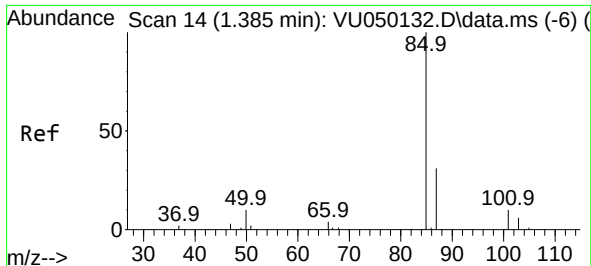
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Aug 09 00:41:12 2022
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	44097	5.273	ug/L	99
29) 1,1,1-Trichloroethane	5.318	97	56874	5.359	ug/L	99
30) Cyclohexane	5.388	56	45242	4.893	ug/L	99
31) Carbon tetrachloride	5.527	117	45842	5.270	ug/L	99
33) Benzene	5.774	78	158405	5.227	ug/L	100
34) Trichloroethene	6.543	95	38569	5.262	ug/L	99
35) Methylcyclohexane	6.764	83	46408	4.905	ug/L	99
37) 1,2-Dichloropropane	6.793	63	41647	5.159	ug/L	100
38) Bromodichloromethane	7.108	83	52164	5.320	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	51027	4.843	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	241265	51.598	ug/L	99
42) Toluene	7.970	91	162712	5.353	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	45058	4.987	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	31144	5.161	ug/L	94
47) Tetrachloroethene	8.555	164	27167	5.173	ug/L	98
48) 2-Hexanone	8.684	43	184114	50.910	ug/L	99
49) Dibromochloromethane	8.809	129	34877	5.222	ug/L	96
50) 1,2-Dibromoethane	8.925	107	29443	5.381	ug/L	97
51) Chlorobenzene	9.449	112	98105	5.130	ug/L	98
52) Ethylbenzene	9.571	91	148478	5.006	ug/L	98
53) m,p-Xylene	9.694	106	58161	5.325	ug/L	99
54) o-Xylene	10.102	106	57176	5.244	ug/L	98
55) Styrene	10.115	104	98074	5.384	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	41531	5.237	ug/L	99
59) Bromoform	10.292	173	20150	4.851	ug/L	98
60) Isopropylbenzene	10.485	105	139944	5.059	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	27565	4.885	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	36328	4.648	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	103160	4.845	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	68462	4.910	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	66340	4.890	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	68087	5.042	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	6037	5.456	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	46695	4.701	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	34419	4.573	ug/L	99
71) Naphthalene	14.089	128	62766	4.067	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	35230	4.618	ug/L	100

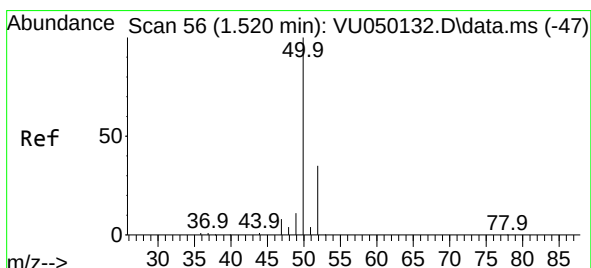
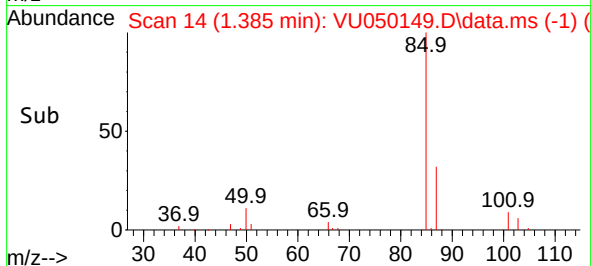
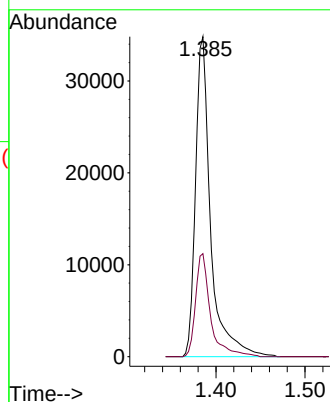
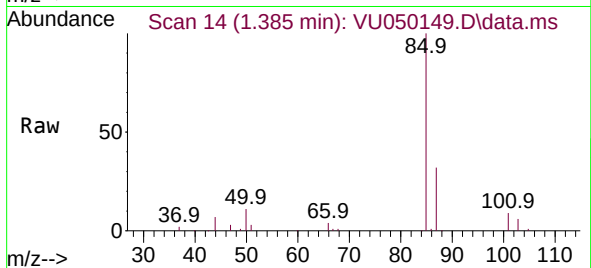
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#2
Dichlorodifluoromethane
Concen: 5.091 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

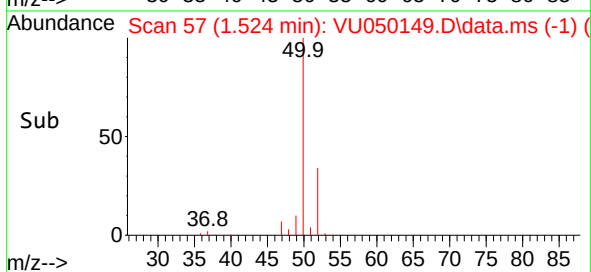
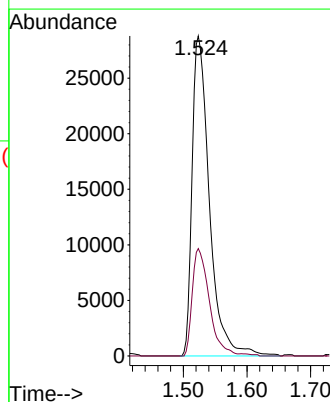
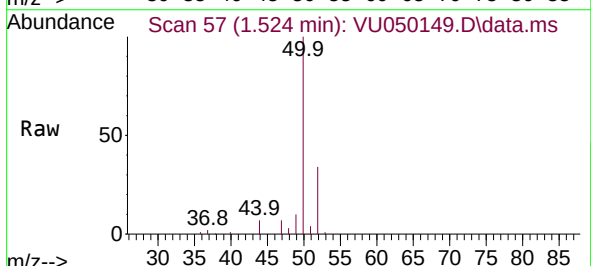
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MSVOA_U
ClientSampleId :
VSTD005152

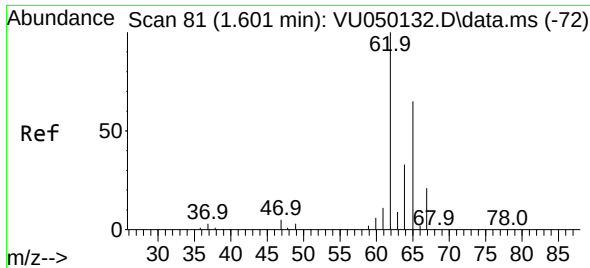
Tgt Ion: 85 Resp: 41045
Ion Ratio Lower Upper
85 100
87 32.0 26.2 39.4



#3
Chloromethane
Concen: 5.158 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 50 Resp: 54395
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2

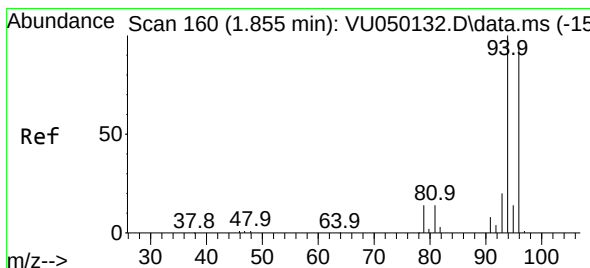
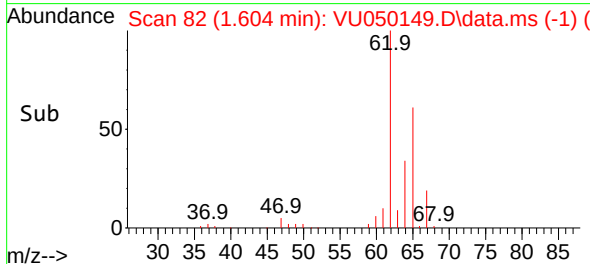
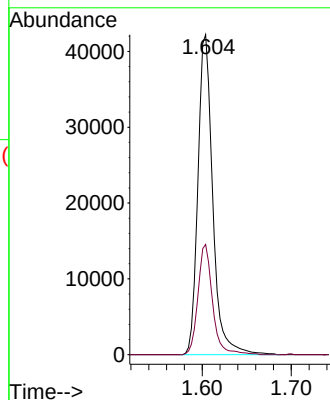
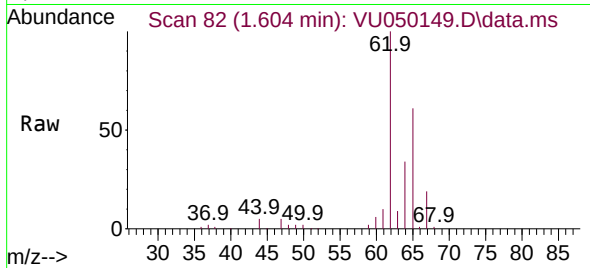




#5
 Vinyl chloride
 Concen: 5.182 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050149.D
 Acq: 08 Aug 2022 20:58

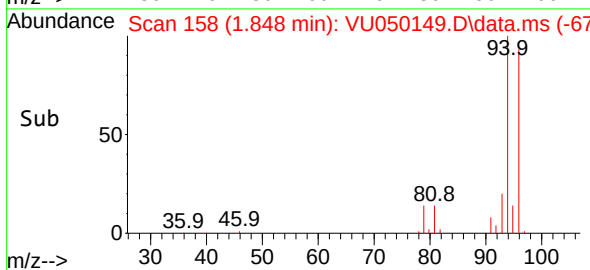
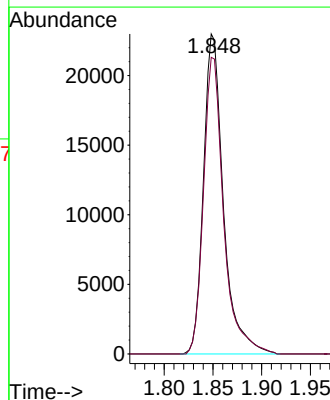
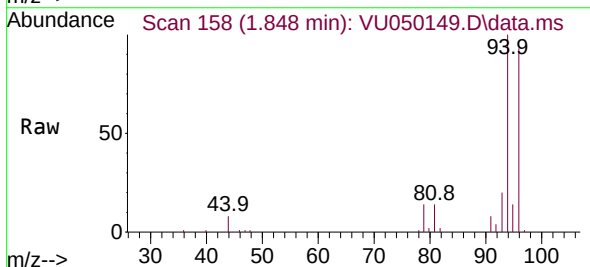
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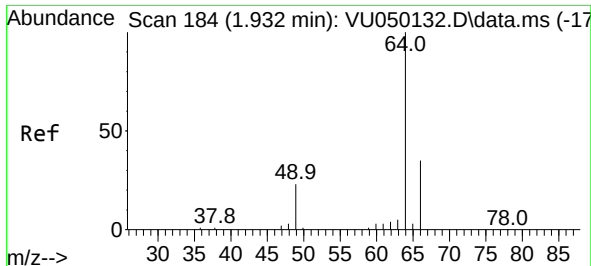
Tgt Ion: 62 Resp: 48957
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.8 42.4



#6
 Bromomethane
 Concen: 5.417 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.006 min
 Lab File: VU050149.D
 Acq: 08 Aug 2022 20:58

Tgt Ion: 94 Resp: 32671
 Ion Ratio Lower Upper
 94 100
 96 92.7 65.3 121.3

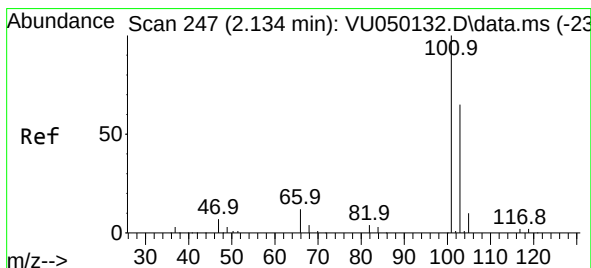
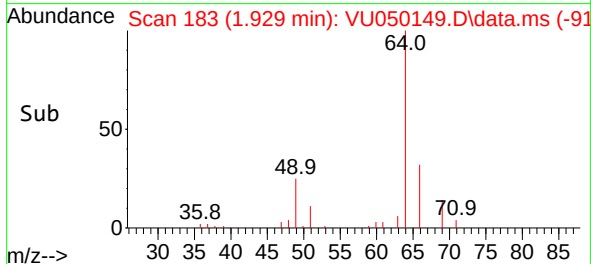
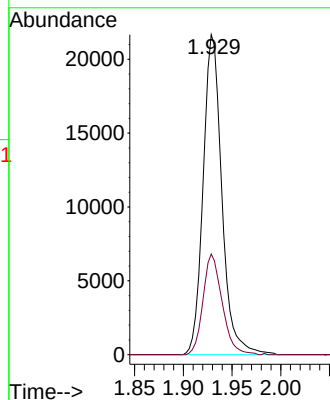
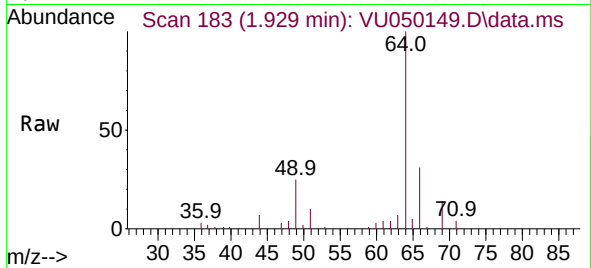




#8
Chloroethane
Concen: 5.202 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

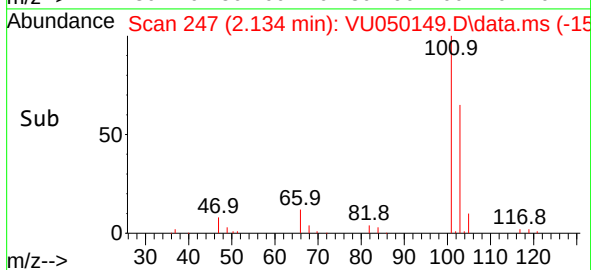
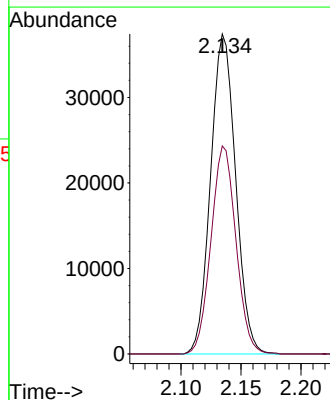
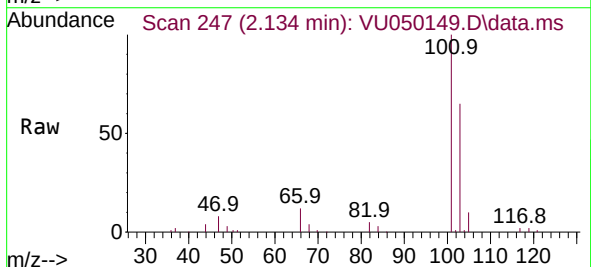
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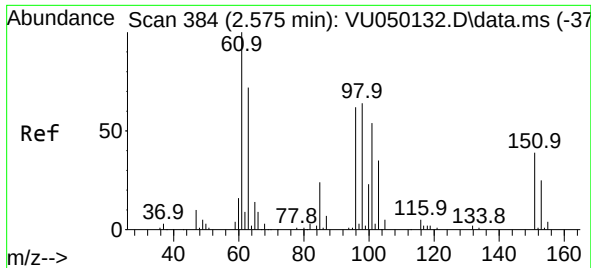
Tgt Ion: 64 Resp: 28961
Ion Ratio Lower Upper
64 100
66 31.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.250 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion:101 Resp: 54320
Ion Ratio Lower Upper
101 100
103 64.8 52.6 78.8

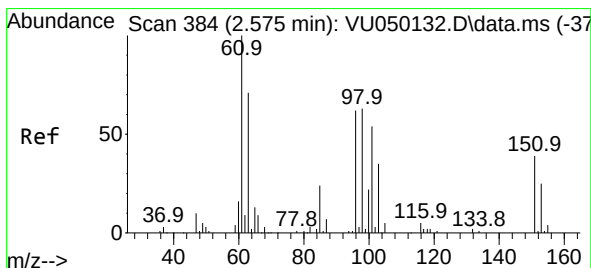
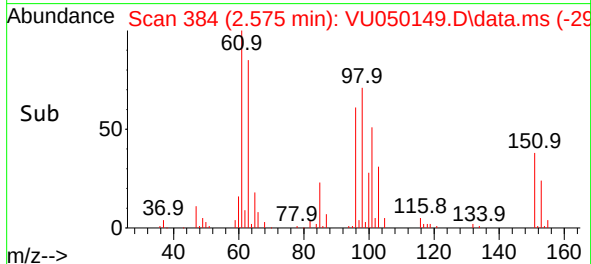
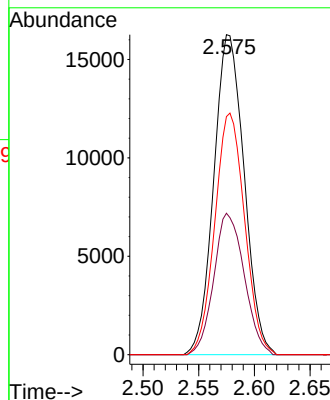
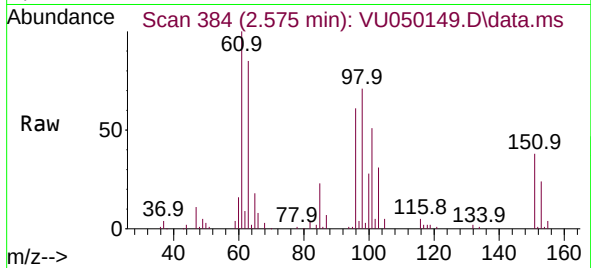




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.346 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050149.D
 Acq: 08 Aug 2022 20:58

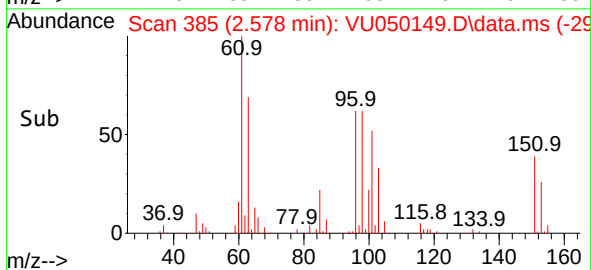
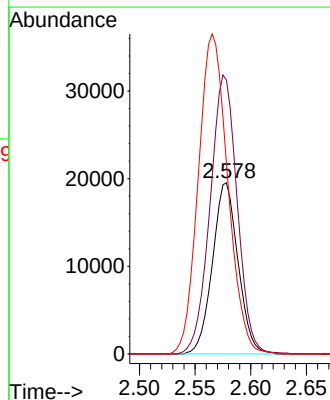
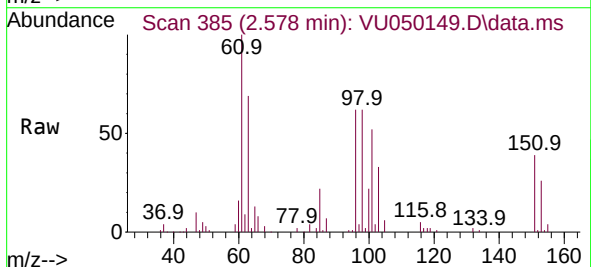
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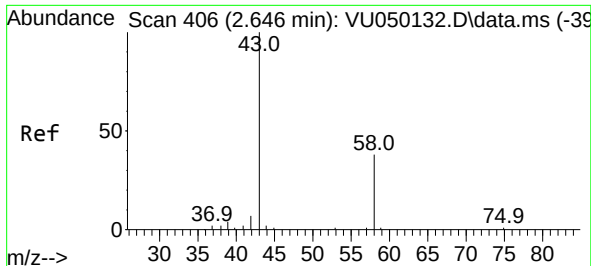
Tgt Ion:101 Resp: 30771
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.6 53.4
 151 74.2 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 5.129 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050149.D
 Acq: 08 Aug 2022 20:58

Tgt Ion: 96 Resp: 31175
 Ion Ratio Lower Upper
 96 100
 61 160.2 122.7 227.9
 63 111.1 85.1 158.1





#13

Acetone

Concen: 59.434 ug/L

RT: 2.626 min Scan# 406

Delta R.T. -0.019 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

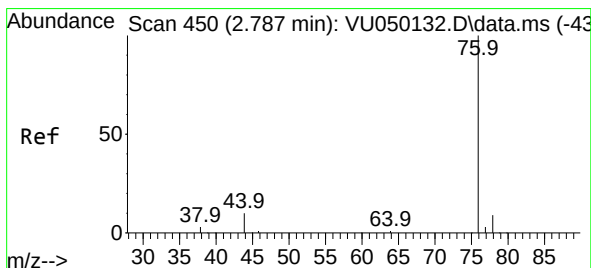
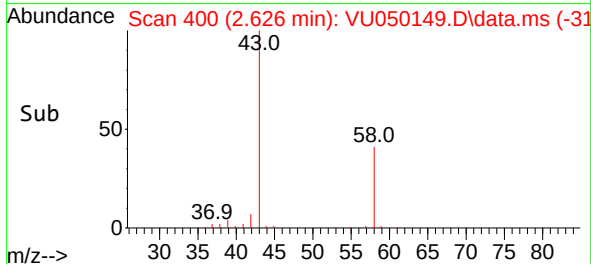
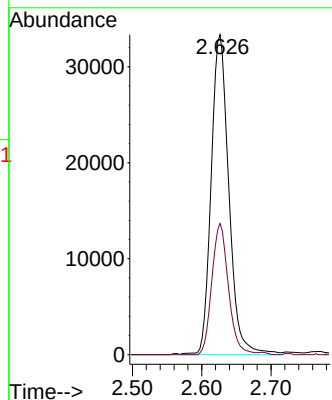
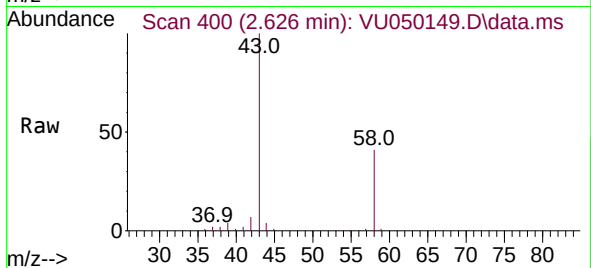
VSTD005152

Tgt Ion: 43 Resp: 59071

Ion Ratio Lower Upper

43 100

58 38.4 0.0 64.0



#14

Carbon disulfide

Concen: 4.985 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050149.D

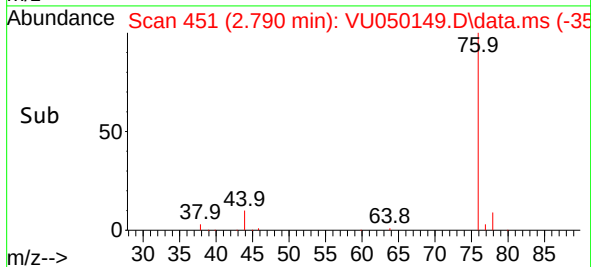
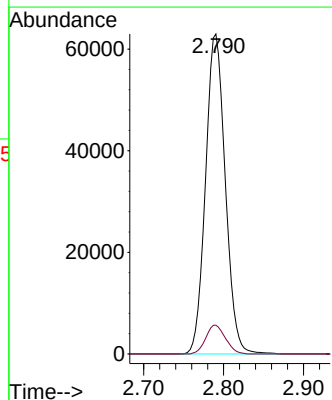
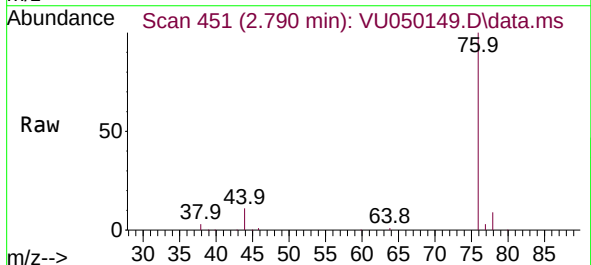
Acq: 08 Aug 2022 20:58

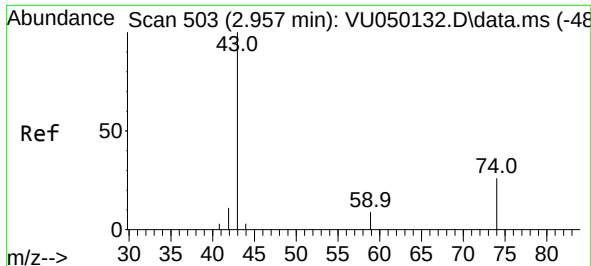
Tgt Ion: 76 Resp: 108223

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

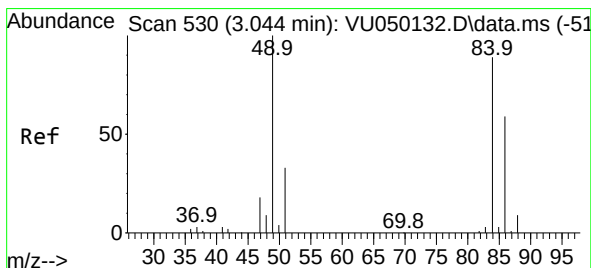
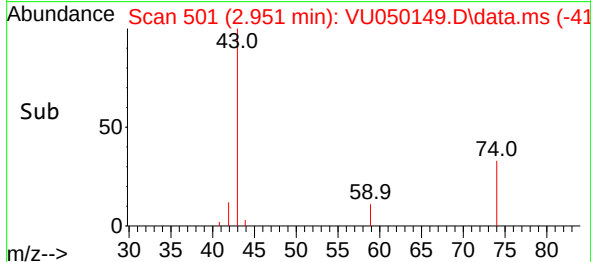
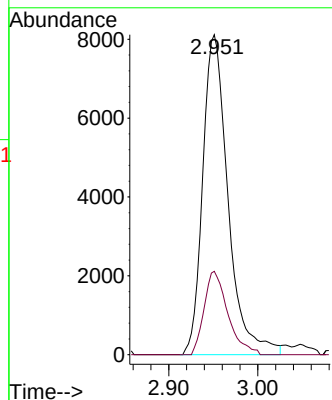
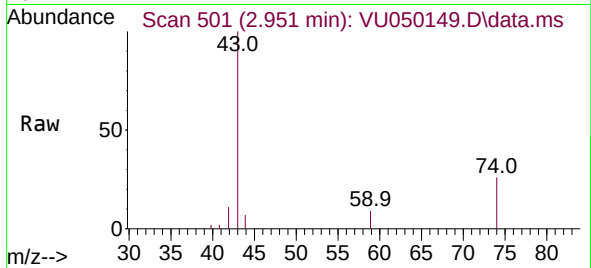




#15
Methyl Acetate
Concen: 5.917 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.006 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

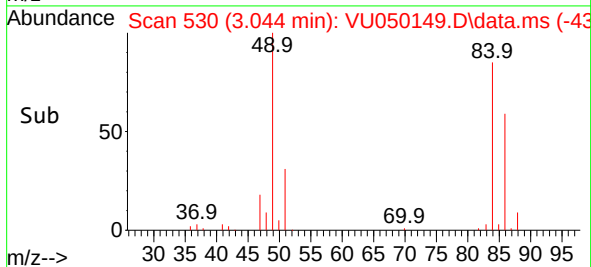
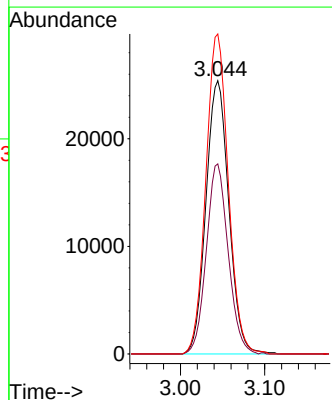
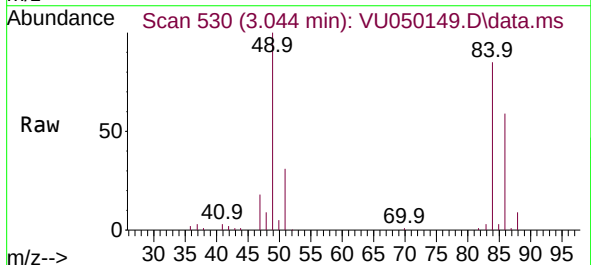
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

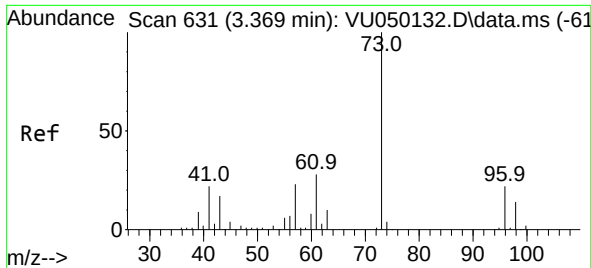
Tgt Ion: 43 Resp: 16057
Ion Ratio Lower Upper
43 100
74 24.4 22.7 34.1



#16
Methylene chloride
Concen: 5.168 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 84 Resp: 48004
Ion Ratio Lower Upper
84 100
86 69.5 45.9 85.3
49 117.1 77.6 144.0

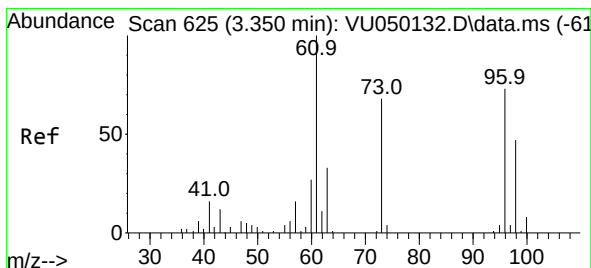
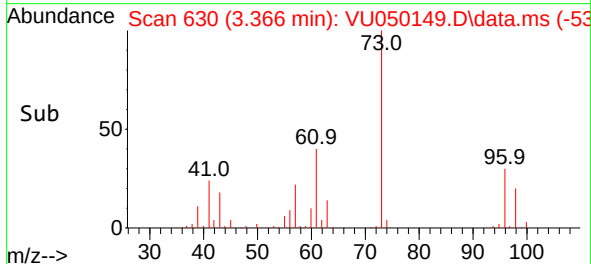
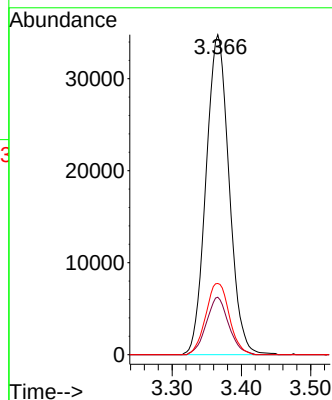
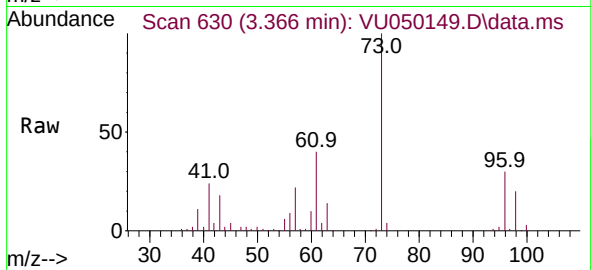




#17
Methyl tert-butyl Ether
Concen: 5.066 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

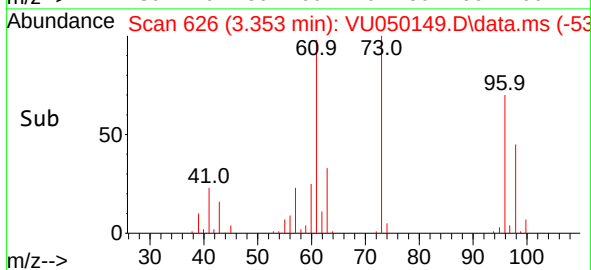
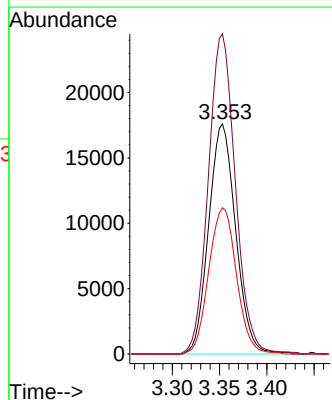
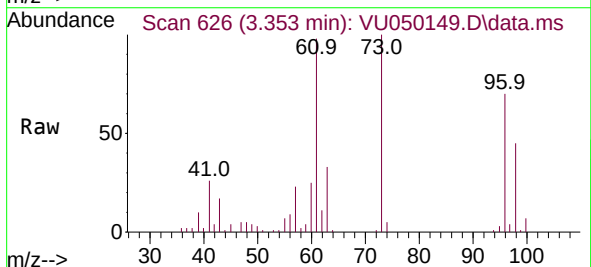
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

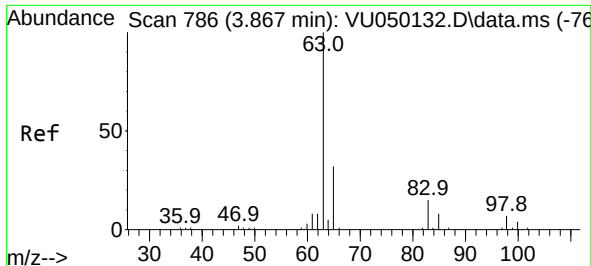
Tgt Ion: 73 Resp: 80363
Ion Ratio Lower Upper
73 100
43 17.5 13.5 20.3
57 22.7 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.134 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 96 Resp: 34944
Ion Ratio Lower Upper
96 100
61 139.1 92.3 171.5
98 63.5 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.322 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

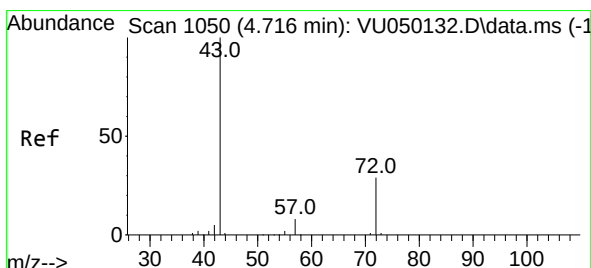
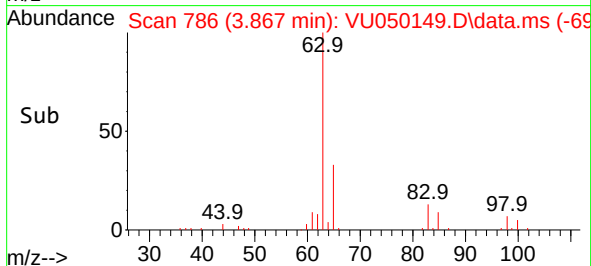
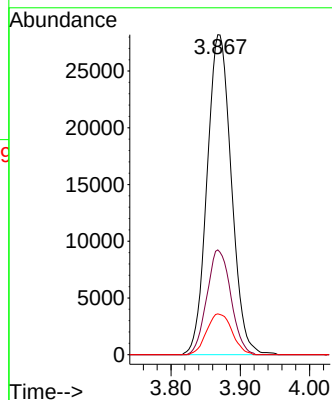
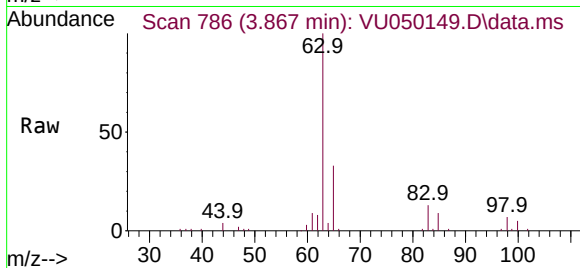
Tgt Ion: 63 Resp: 68597

Ion Ratio Lower Upper

63 100

65 32.7 22.7 42.3

83 12.8 9.8 18.2



#21

2-Butanone

Concen: 57.226 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.013 min

Lab File: VU050149.D

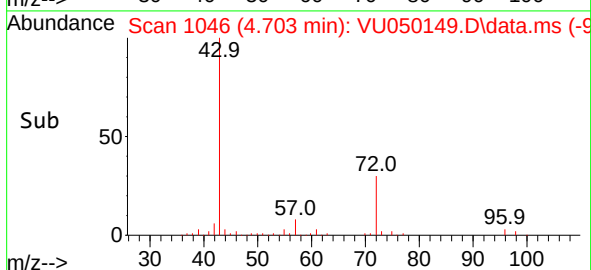
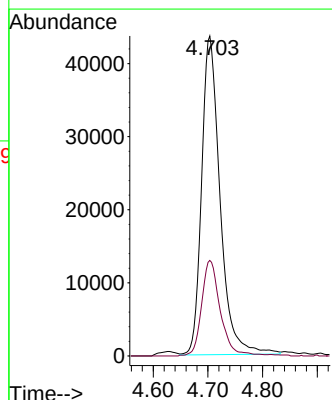
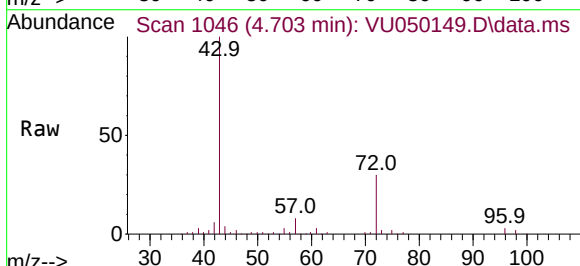
Acq: 08 Aug 2022 20:58

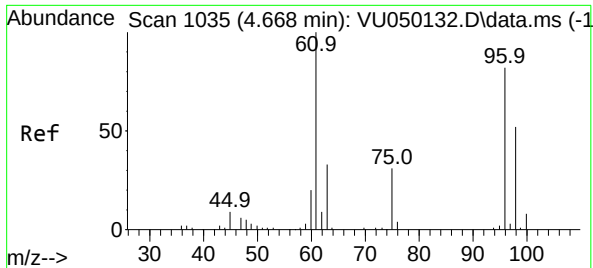
Tgt Ion: 43 Resp: 102277

Ion Ratio Lower Upper

43 100

72 30.3 14.0 42.0





#22

cis-1,2-Dichloroethene

Concen: 5.288 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

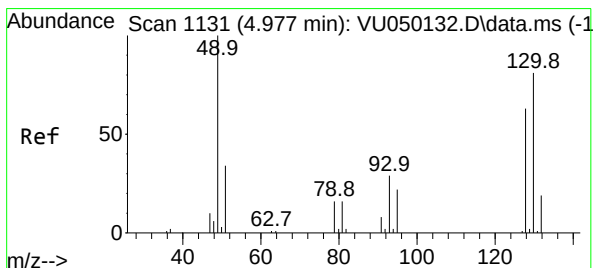
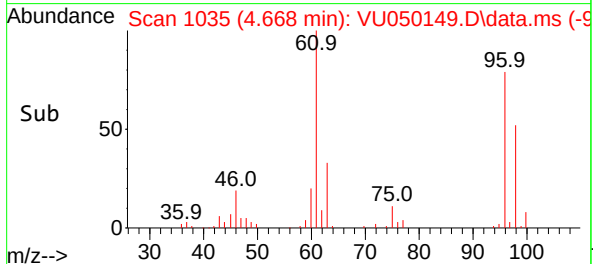
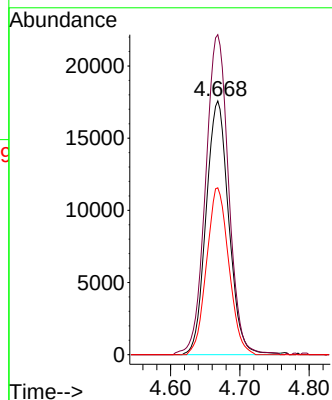
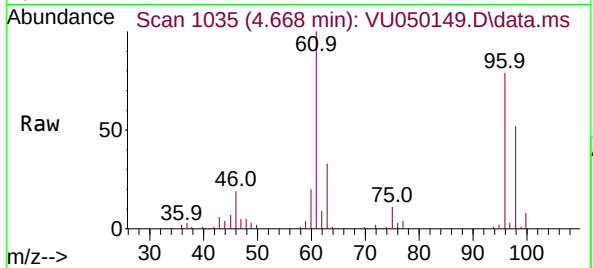
Tgt Ion: 96 Resp: 39946

Ion Ratio Lower Upper

96 100

61 126.1 89.0 165.4

98 65.7 45.2 84.0



#23

Bromochloromethane

Concen: 5.375 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Tgt Ion: 128 Resp: 19409

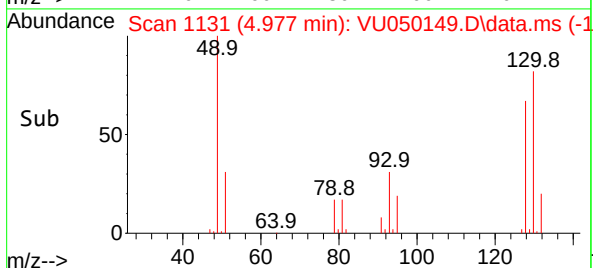
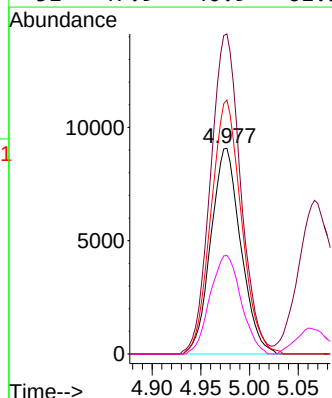
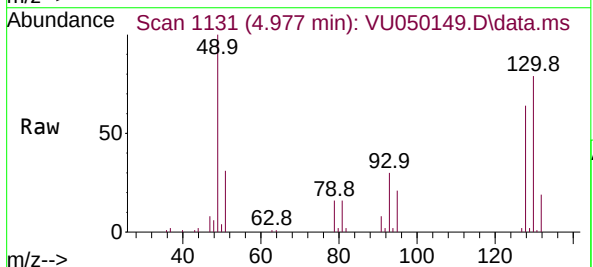
Ion Ratio Lower Upper

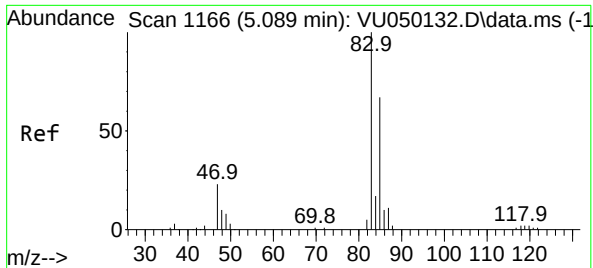
128 100

49 155.6 111.4 206.8

130 123.4 90.2 167.4

51 47.9 40.9 61.3

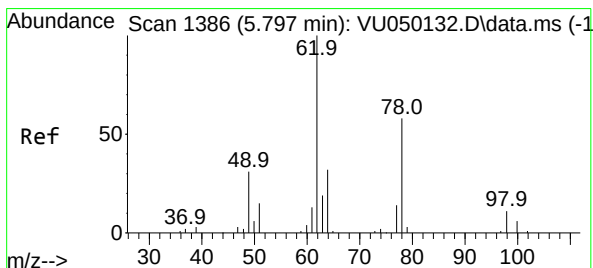
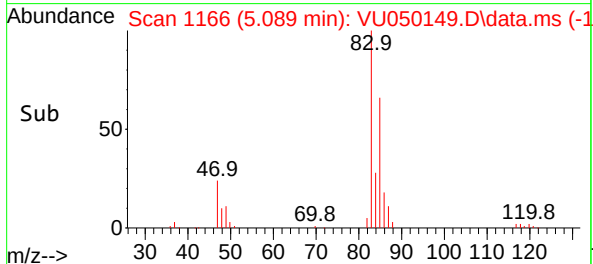
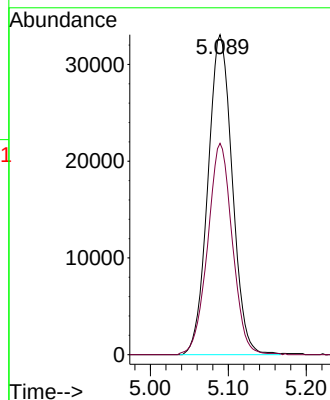
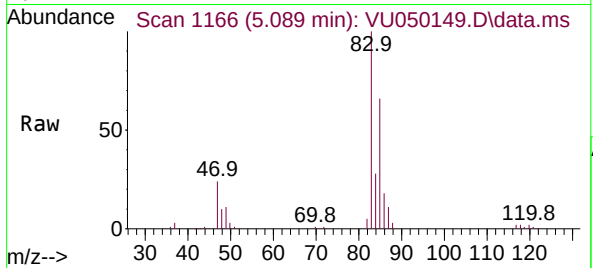




#25
Chloroform
Concen: 5.239 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

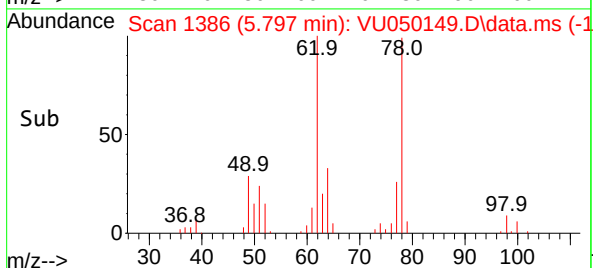
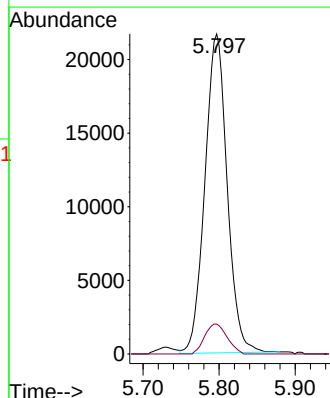
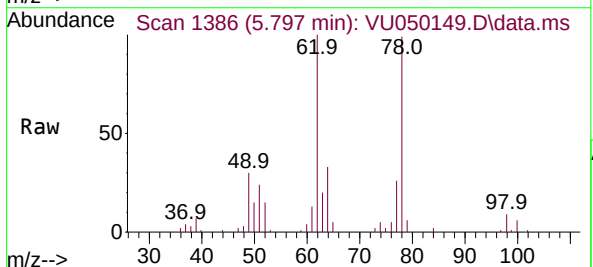
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

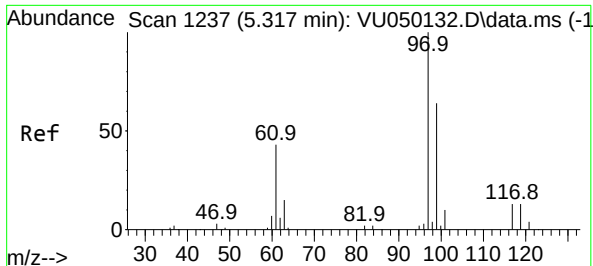
Tgt Ion: 83 Resp: 71992
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.273 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 62 Resp: 44097
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.359 ug/L

RT: 5.318 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

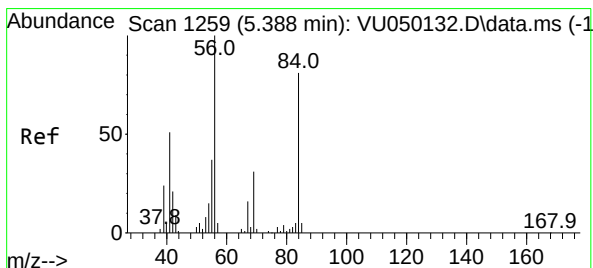
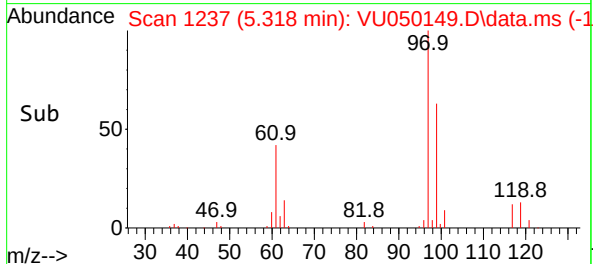
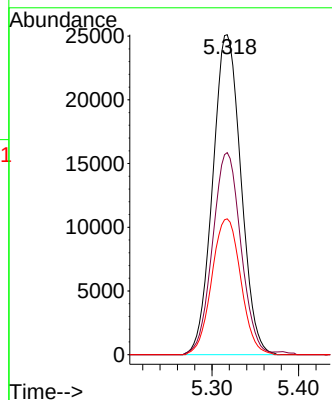
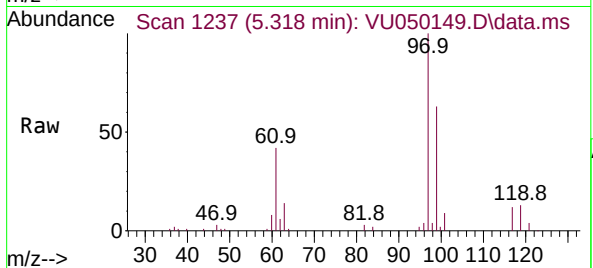
Tgt Ion: 97 Resp: 56874

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 43.6 34.2 51.4



#30

Cyclohexane

Concen: 4.893 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

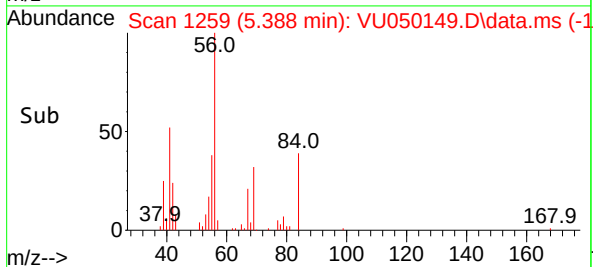
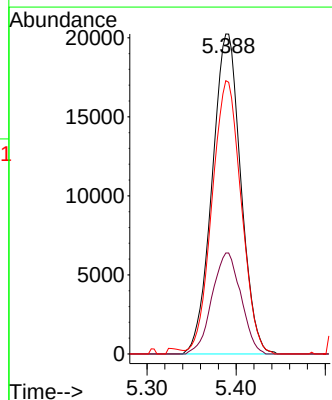
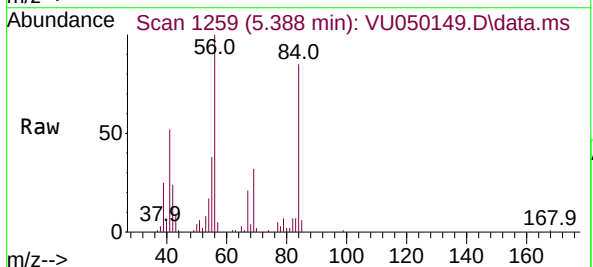
Tgt Ion: 56 Resp: 45242

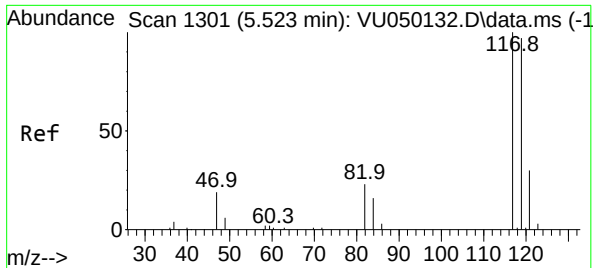
Ion Ratio Lower Upper

56 100

69 31.7 24.6 37.0

84 87.1 69.1 103.7

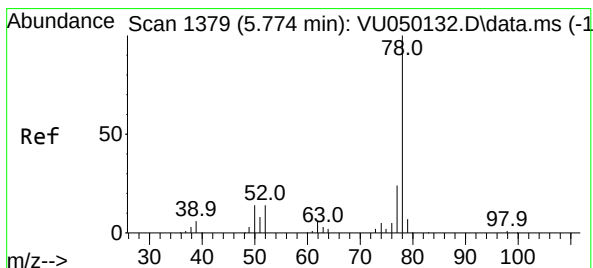
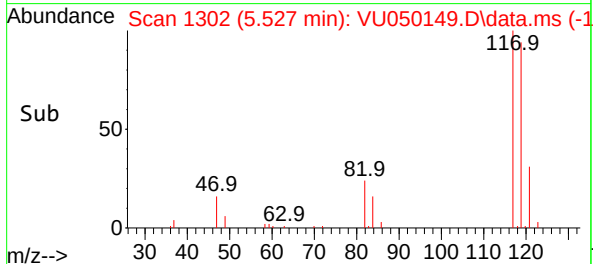
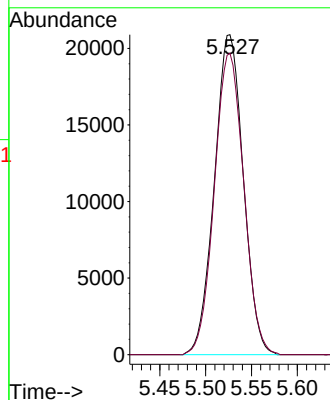
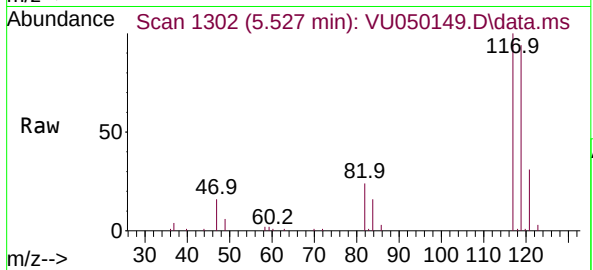




#31
Carbon tetrachloride
Concen: 5.270 ug/L
RT: 5.527 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

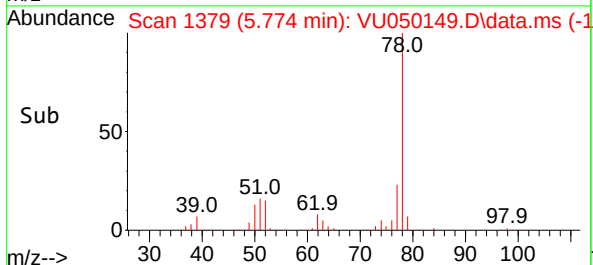
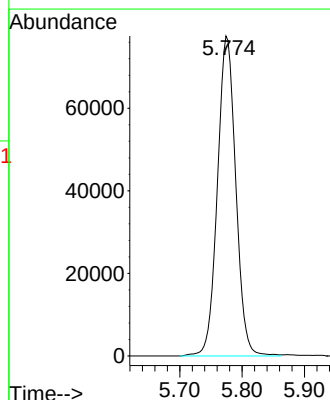
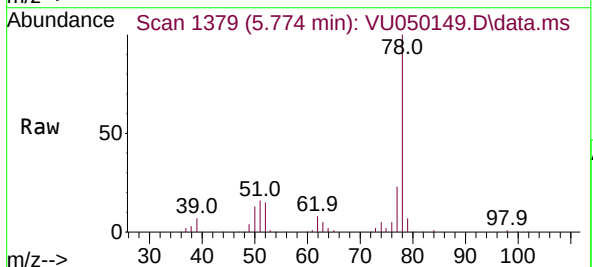
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

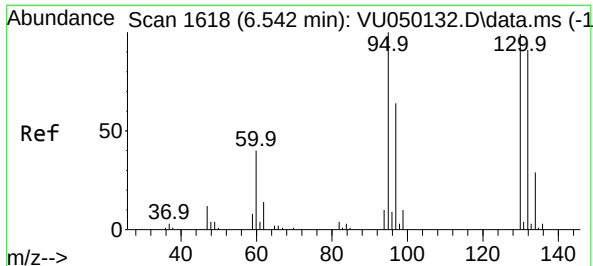
Tgt Ion:117 Resp: 45842
Ion Ratio Lower Upper
117 100
119 95.7 76.0 114.0



#33
Benzene
Concen: 5.227 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 78 Resp: 158405

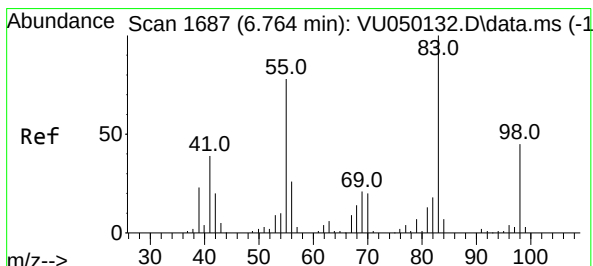
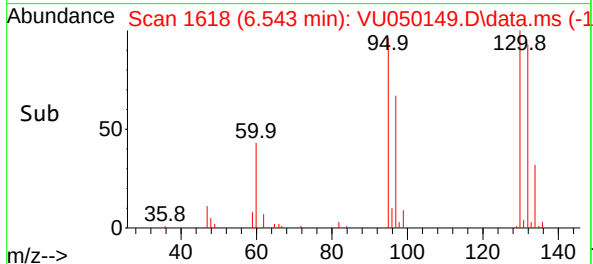
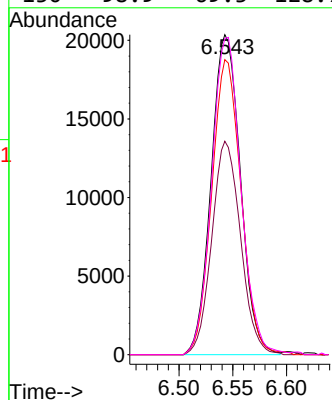
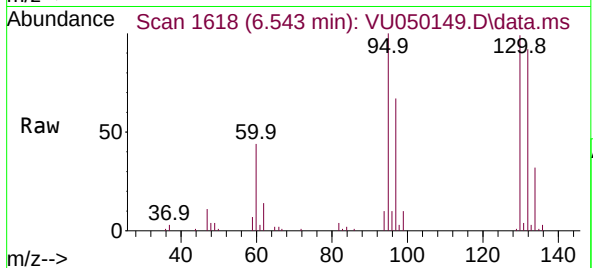




#34
Trichloroethene
Concen: 5.262 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

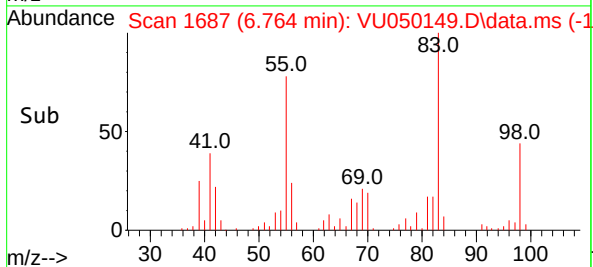
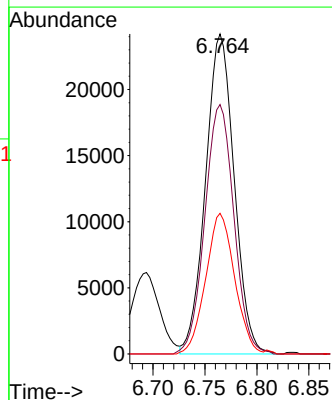
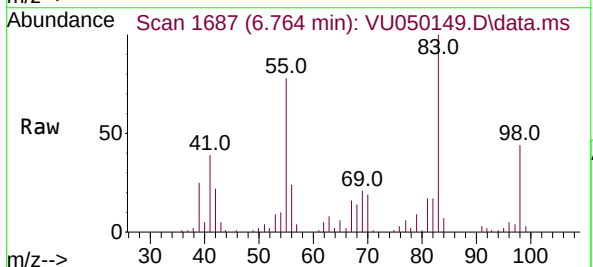
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

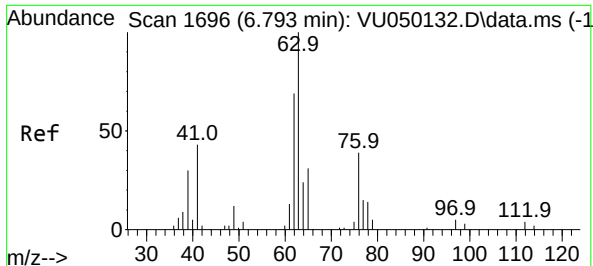
Tgt Ion: 95 Resp: 38569
Ion Ratio Lower Upper
95 100
97 66.7 45.6 84.8
132 92.2 65.0 120.6
130 98.9 69.3 128.7



#35
Methylcyclohexane
Concen: 4.905 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 83 Resp: 46408
Ion Ratio Lower Upper
83 100
55 79.1 62.7 94.1
98 44.3 36.2 54.2

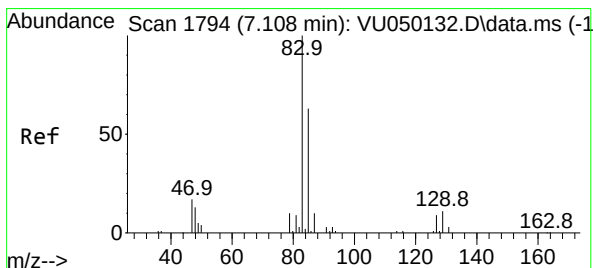
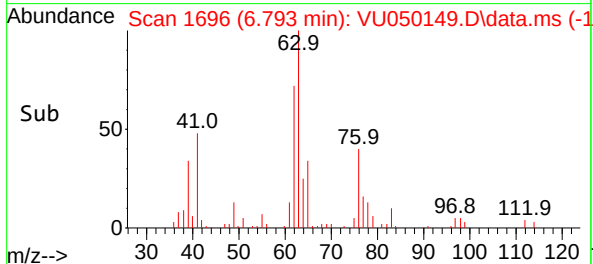
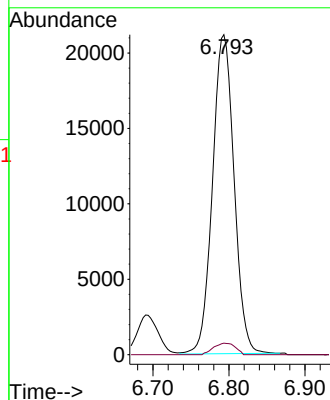
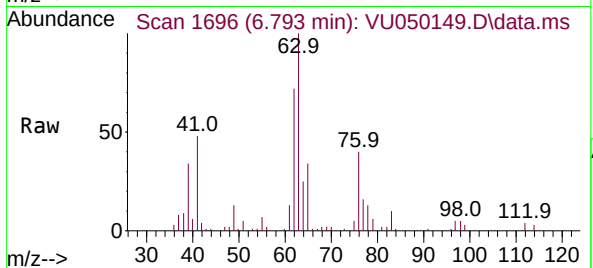




#37
1,2-Dichloropropane
Concen: 5.159 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

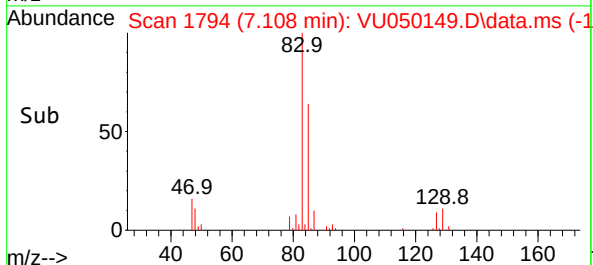
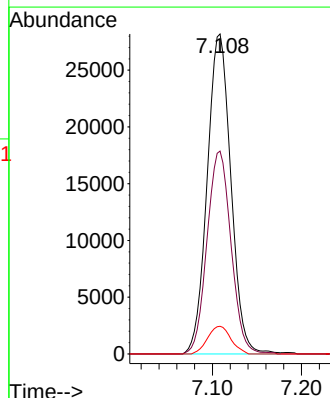
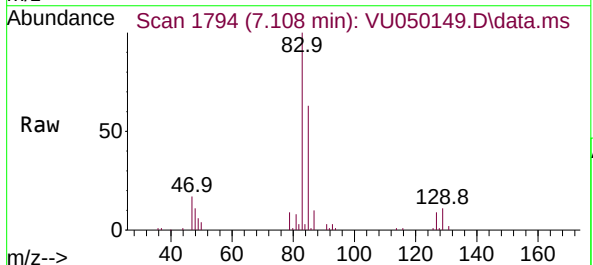
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

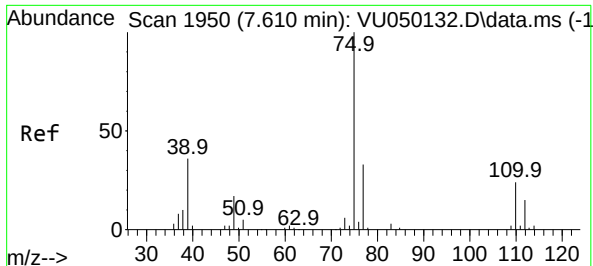
Tgt Ion: 63 Resp: 41647
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 5.320 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 83 Resp: 52164
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.7
127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.843 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

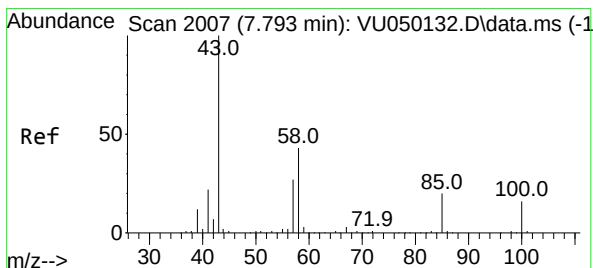
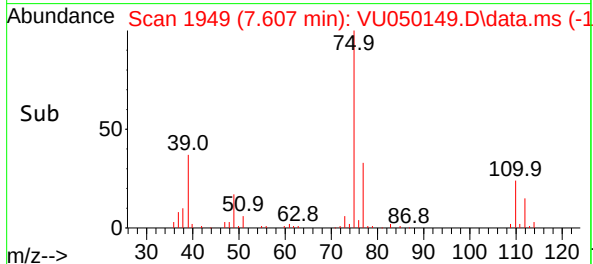
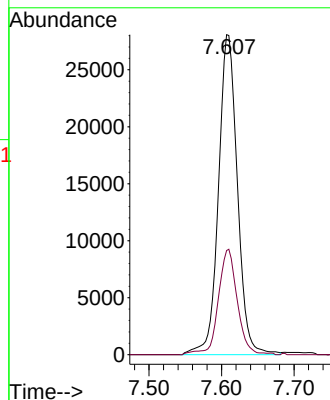
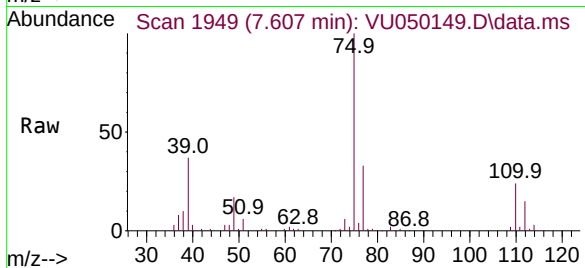
VSTD005152

Tgt Ion: 75 Resp: 51027

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 51.598 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

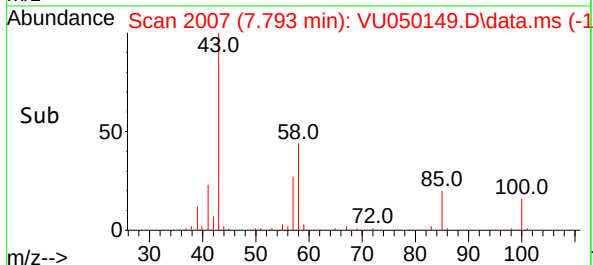
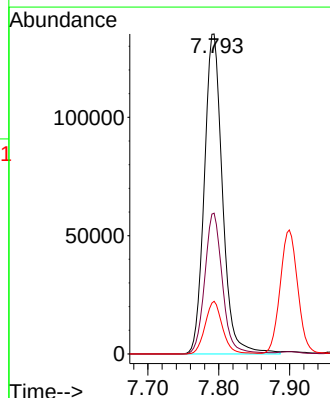
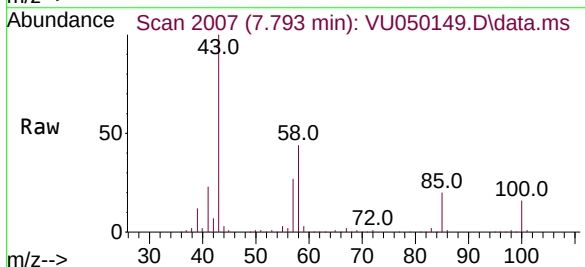
Tgt Ion: 43 Resp: 241265

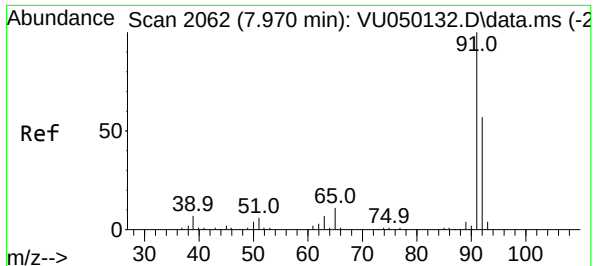
Ion Ratio Lower Upper

43 100

58 43.0 34.6 51.8

100 15.8 13.0 19.4





#42

Toluene

Concen: 5.353 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

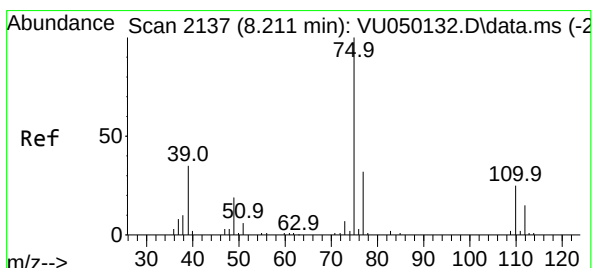
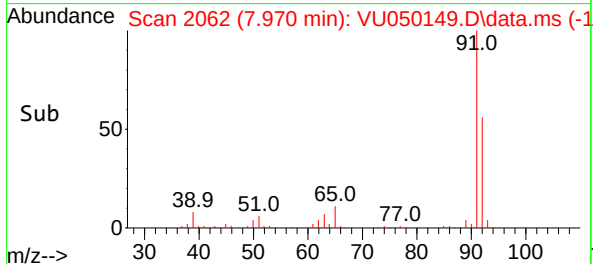
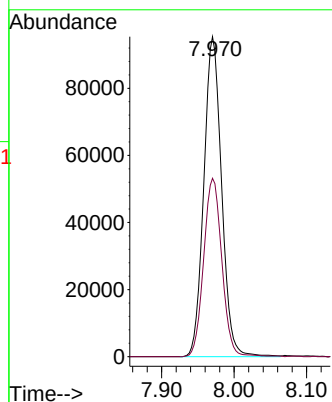
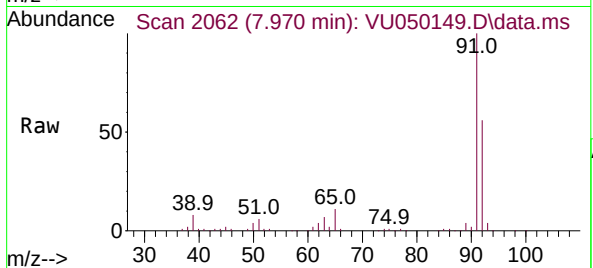
VSTD005152

Tgt Ion: 91 Resp: 162712

Ion Ratio Lower Upper

91 100

92 55.7 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050149.D

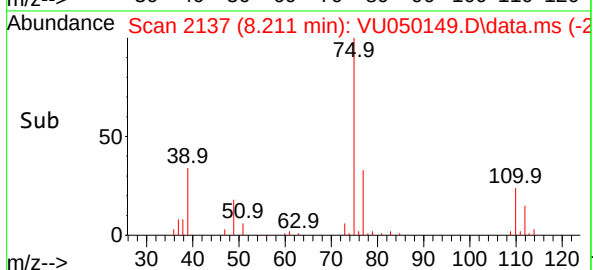
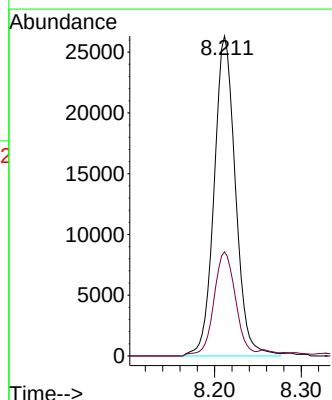
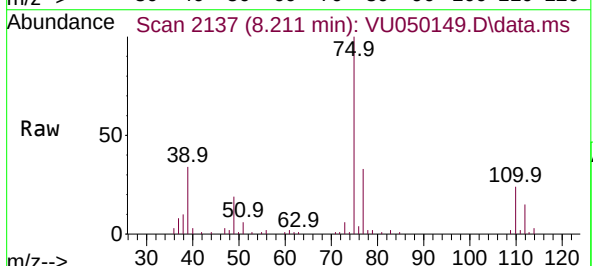
Acq: 08 Aug 2022 20:58

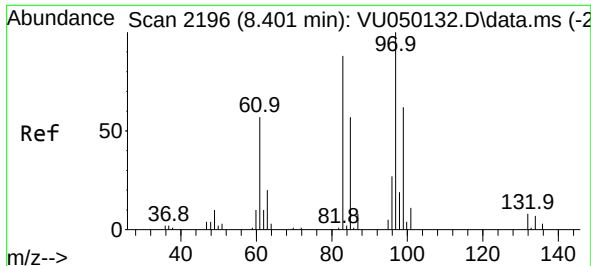
Tgt Ion: 75 Resp: 45058

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8

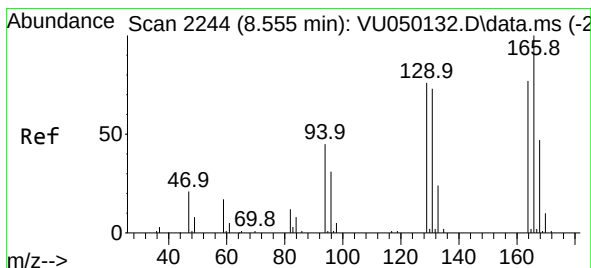
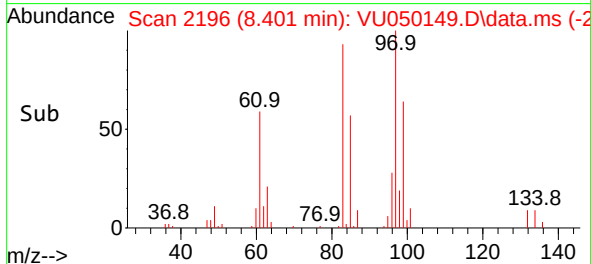
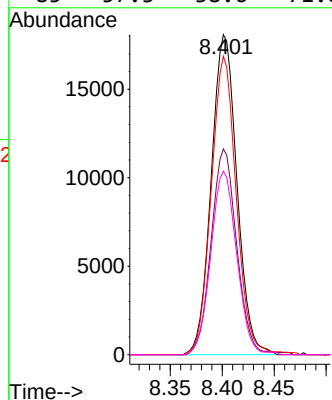
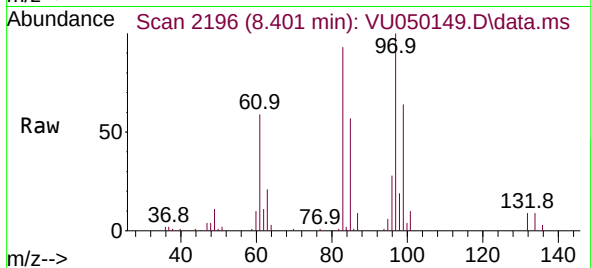




#45
1,1,2-Trichloroethane
Concen: 5.161 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

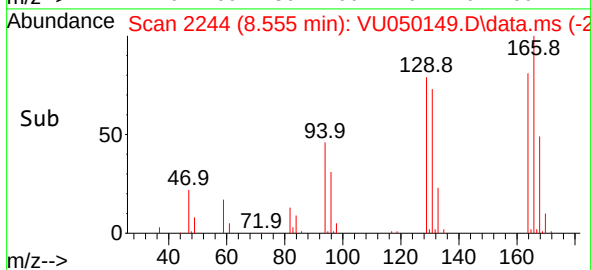
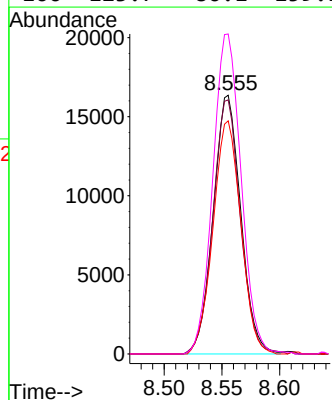
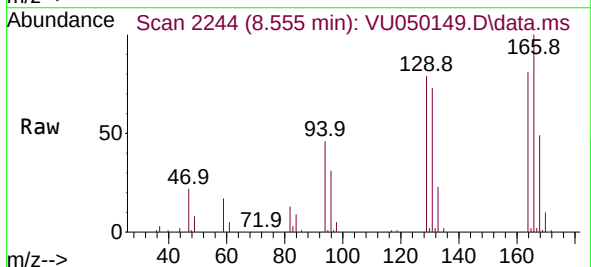
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

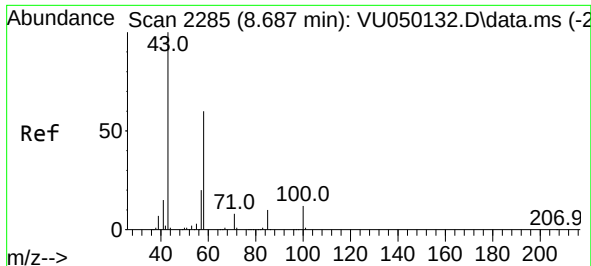
Tgt Ion:	97	Resp:	31144
Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.2	78.4
83	93.2	59.6	110.6
85	57.3	38.6	71.8



#47
Tetrachloroethene
Concen: 5.173 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion:	164	Resp:	27167
Ion	Ratio	Lower	Upper
164	100		
129	98.2	69.0	128.1
131	90.1	65.8	122.2
166	123.7	86.1	159.9

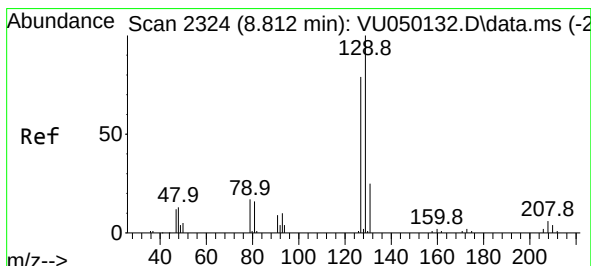
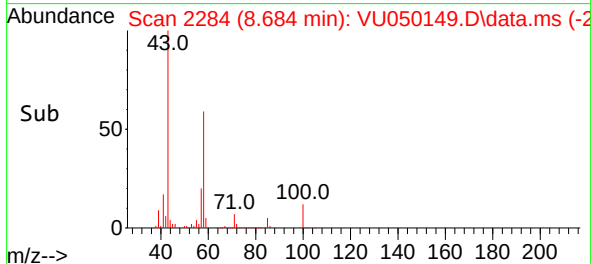
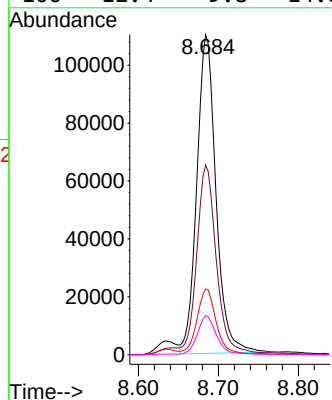
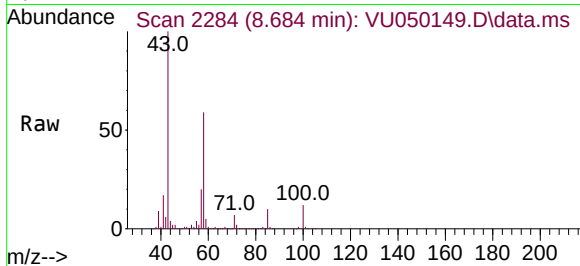




#48
2-Hexanone
Concen: 50.910 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

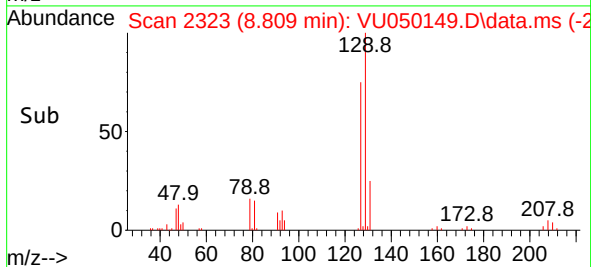
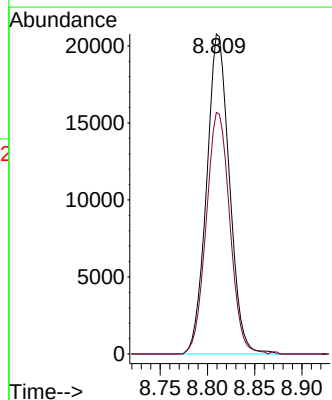
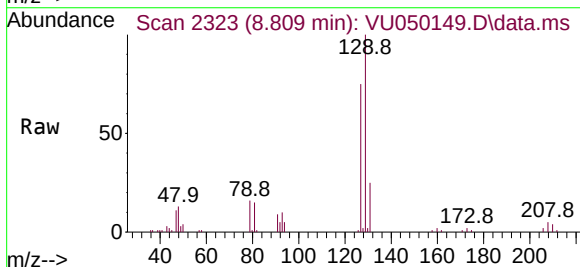
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

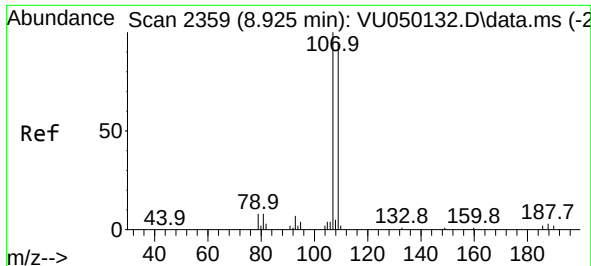
Tgt Ion: 43 Resp: 184114
Ion Ratio Lower Upper
43 100
58 63.9 50.6 76.0
57 20.3 16.0 24.0
100 12.4 9.8 14.8



#49
Dibromochloromethane
Concen: 5.222 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 129 Resp: 34877
Ion Ratio Lower Upper
129 100
127 75.5 55.3 102.7





#50

1,2-Dibromoethane

Concen: 5.381 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

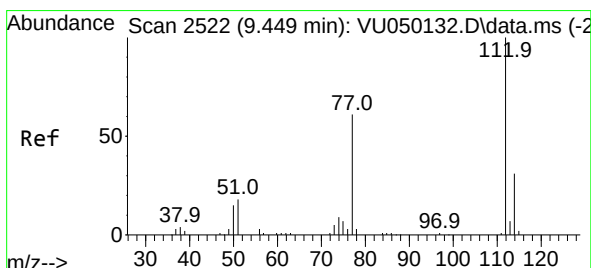
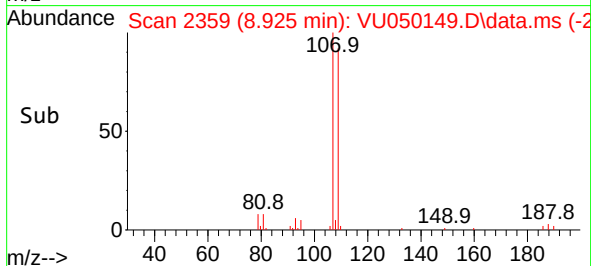
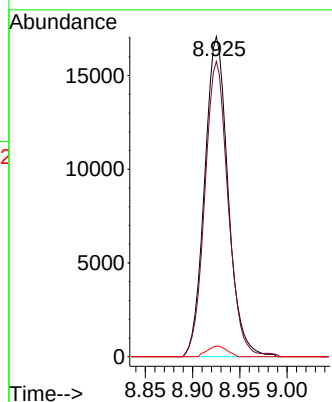
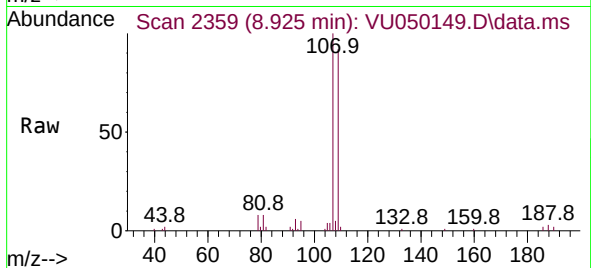
Tgt Ion:107 Resp: 29443

Ion Ratio Lower Upper

107 100

109 92.3 66.6 123.6

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 5.130 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

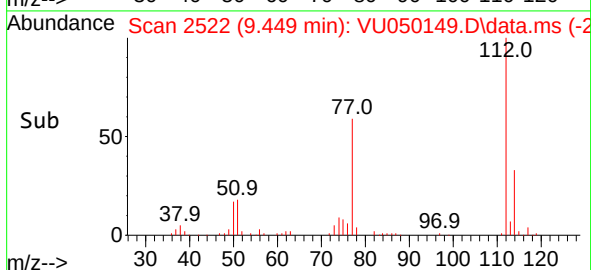
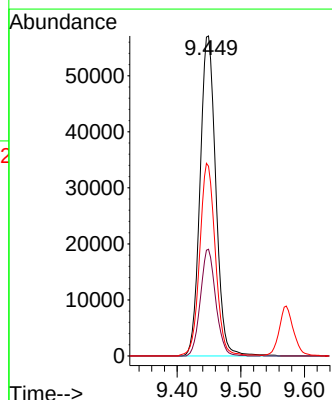
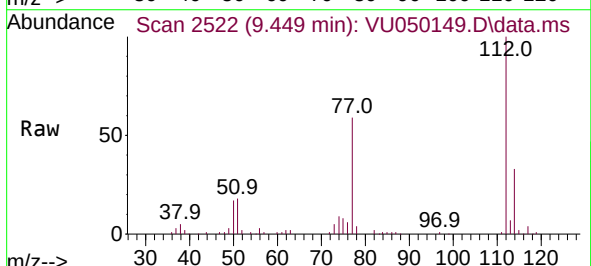
Tgt Ion:112 Resp: 98105

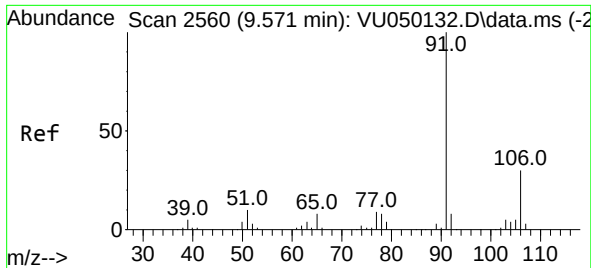
Ion Ratio Lower Upper

112 100

114 33.4 22.1 41.1

77 59.3 46.3 69.5

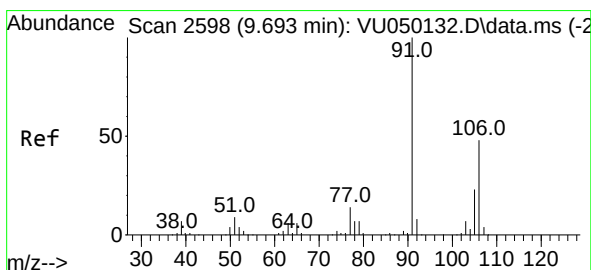
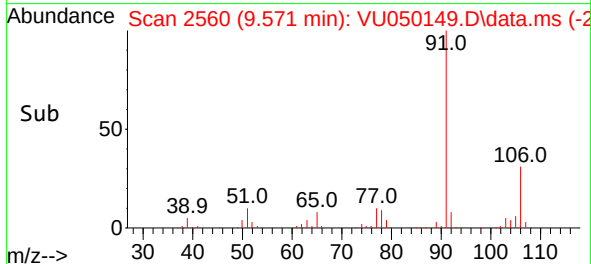
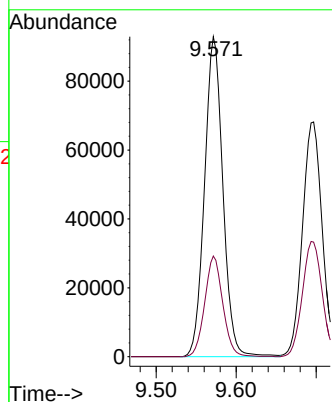
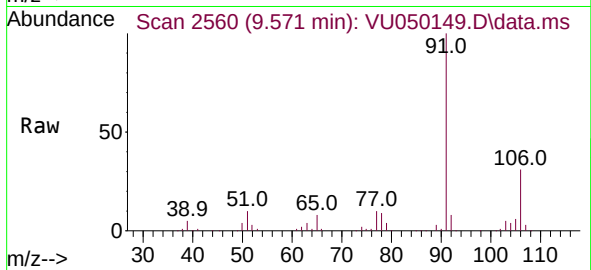




#52
Ethylbenzene
Concen: 5.006 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

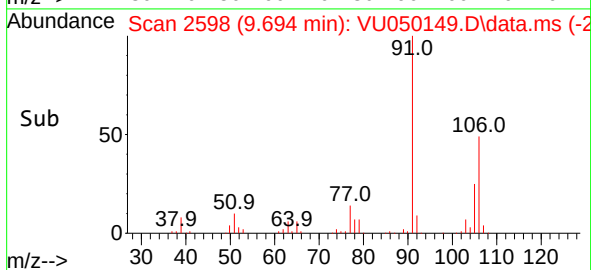
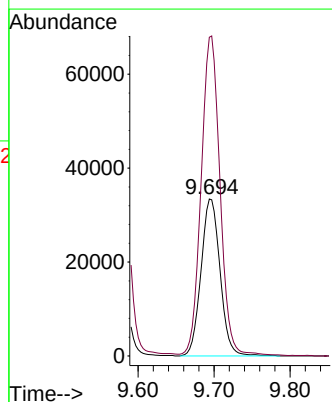
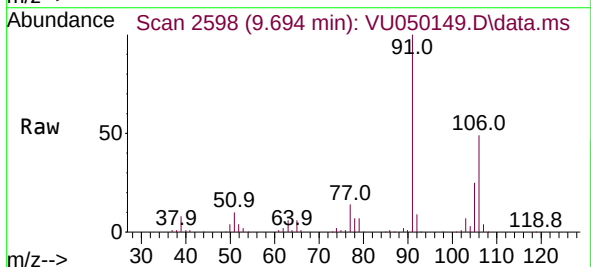
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

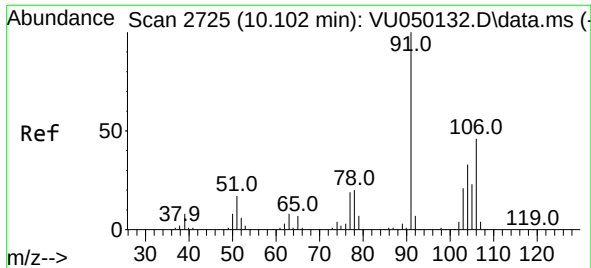
Tgt Ion: 91 Resp: 148478
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.325 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 106 Resp: 58161
Ion Ratio Lower Upper
106 100
91 203.0 143.1 265.9

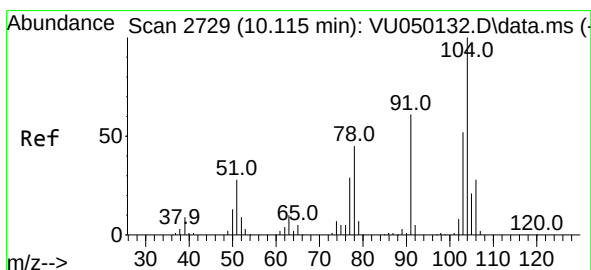
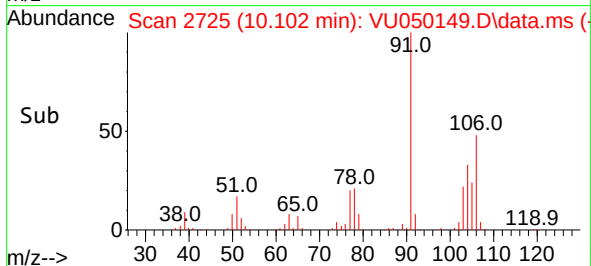
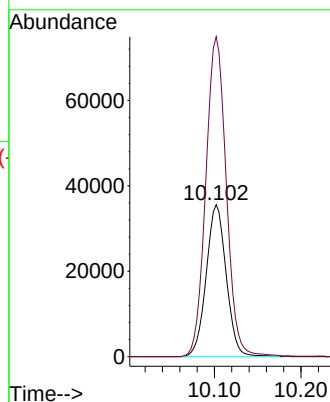
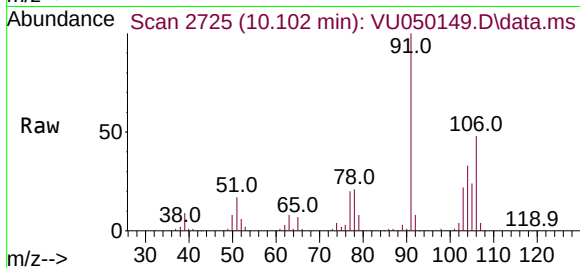




#54
o-Xylene
Concen: 5.244 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

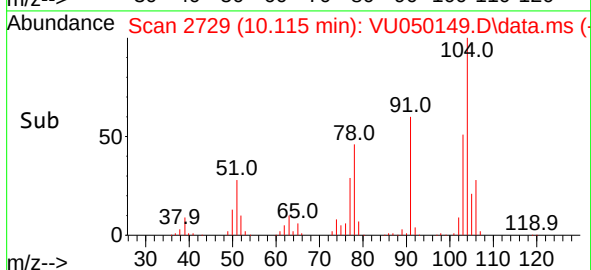
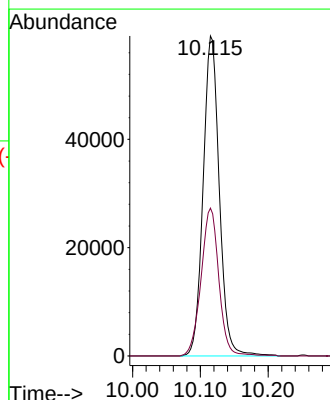
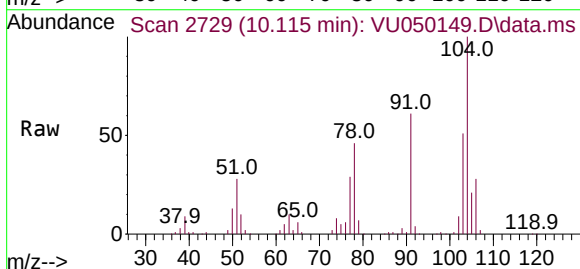
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

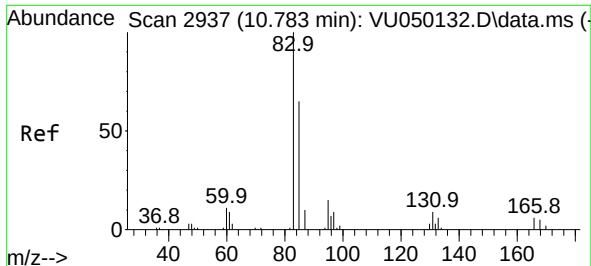
Tgt Ion:106 Resp: 57176
Ion Ratio Lower Upper
106 100
91 210.4 149.4 277.4



#55
Styrene
Concen: 5.384 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion:104 Resp: 98074
Ion Ratio Lower Upper
104 100
78 46.2 31.9 59.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.237 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

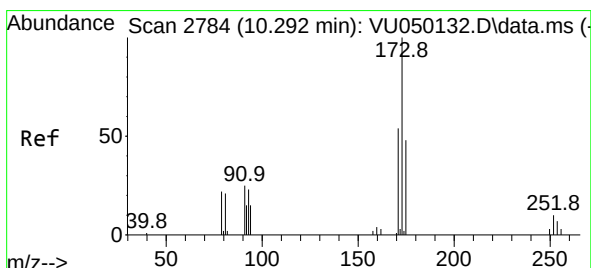
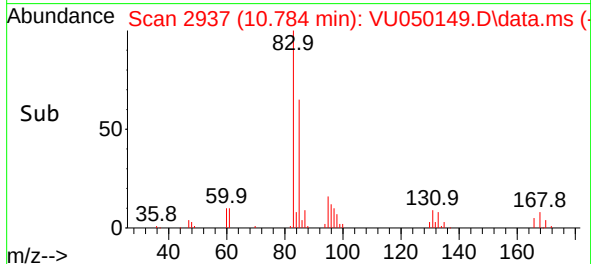
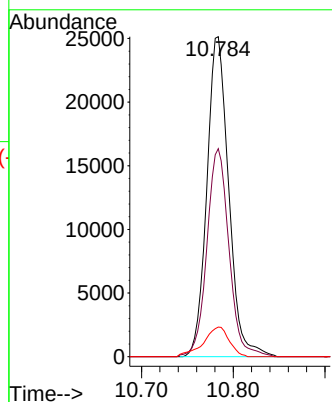
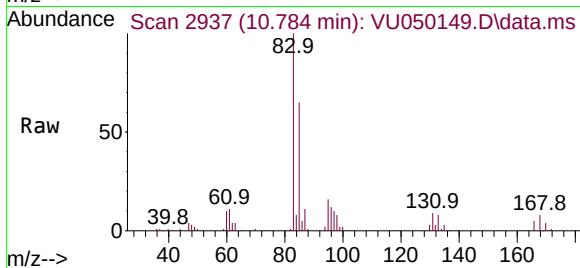
Tgt Ion: 83 Resp: 41531

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0

131 9.3 6.6 9.8



#59

Bromoform

Concen: 4.851 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

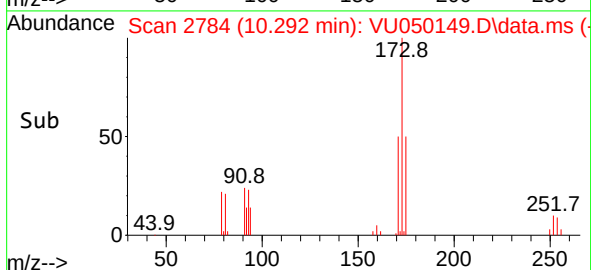
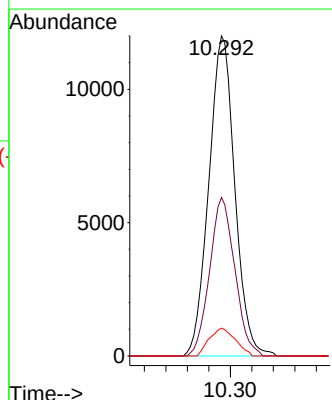
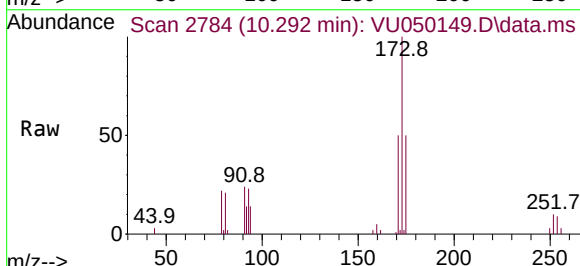
Tgt Ion:173 Resp: 20150

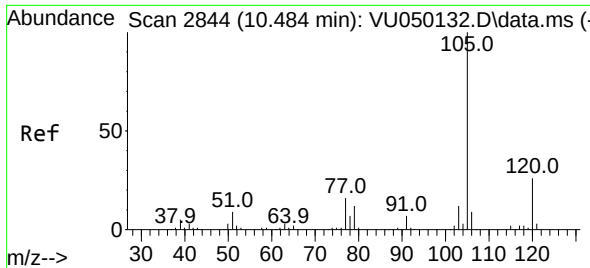
Ion Ratio Lower Upper

173 100

175 48.0 37.0 55.6

254 8.7 7.4 11.0

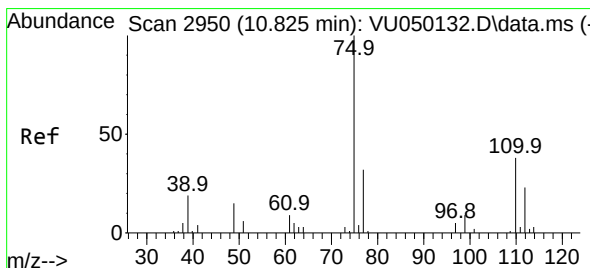
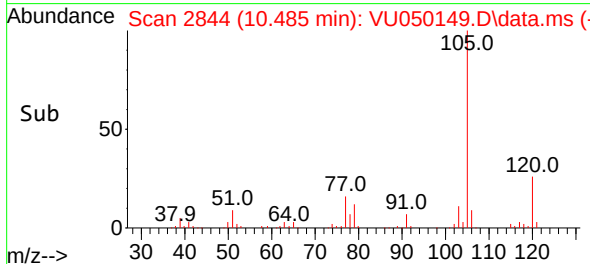
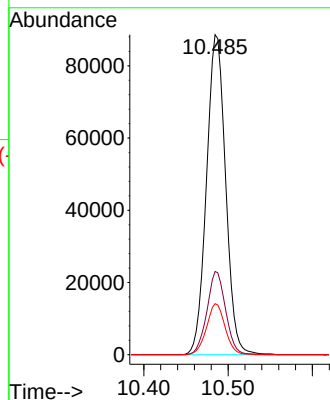
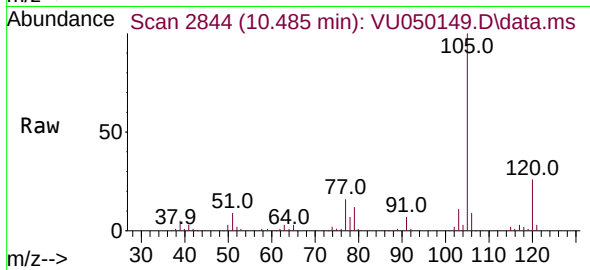




#60
Isopropylbenzene
Concen: 5.059 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

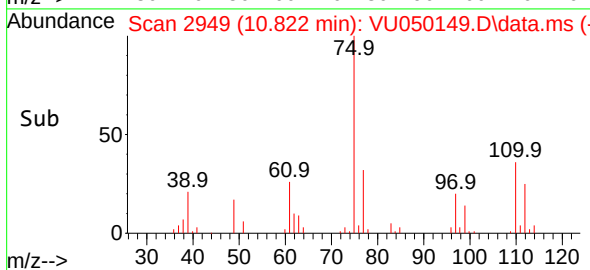
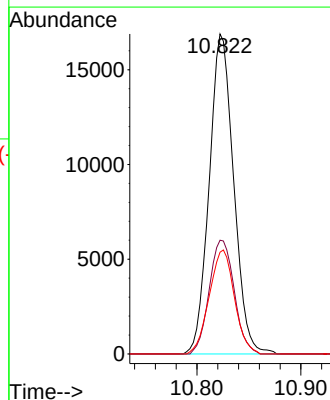
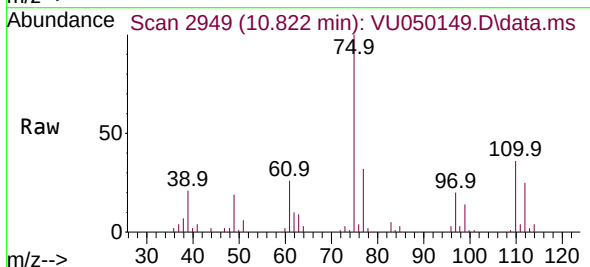
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

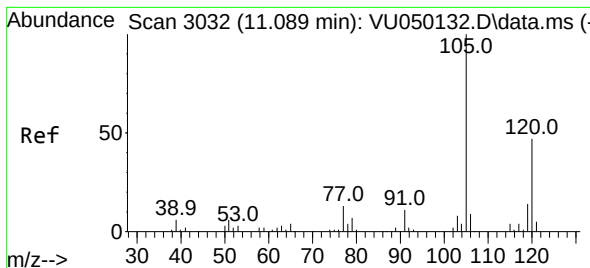
Tgt Ion:105 Resp: 139944
Ion Ratio Lower Upper
105 100
120 25.4 20.8 31.2
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.885 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion: 75 Resp: 27565
Ion Ratio Lower Upper
75 100
110 36.3 28.5 42.7
77 33.5 25.8 38.6





#62

1,3,5-Trimethylbenzene

Concen: 4.648 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

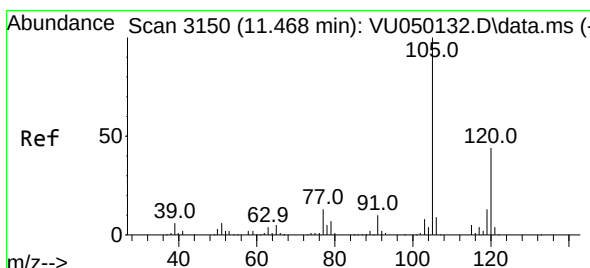
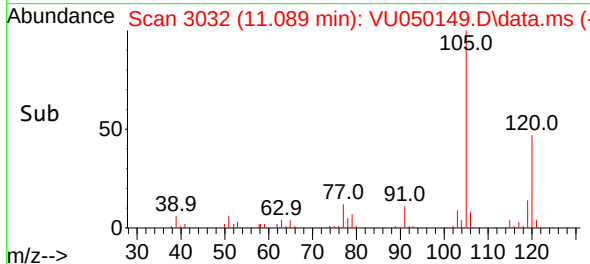
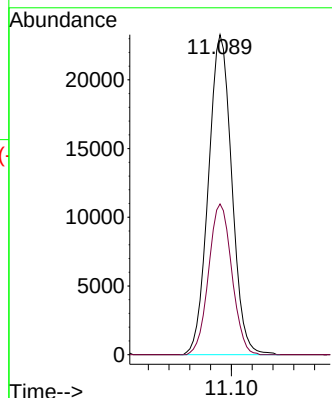
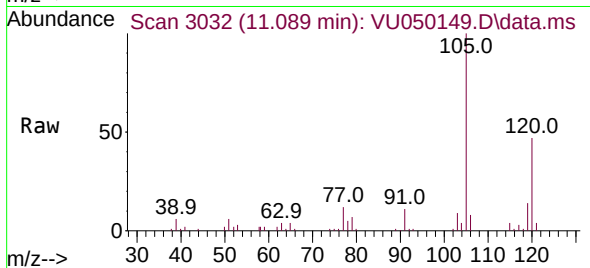
VSTD005152

Tgt Ion:105 Resp: 36328

Ion Ratio Lower Upper

105 100

120 46.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.845 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050149.D

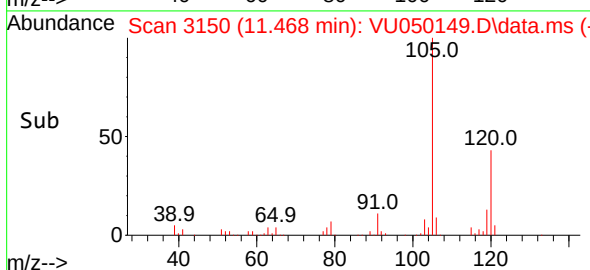
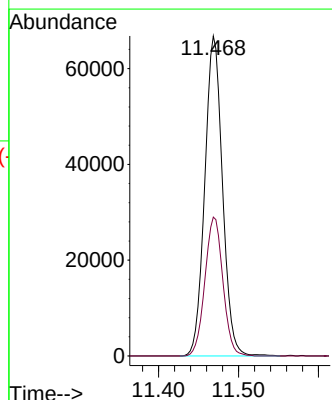
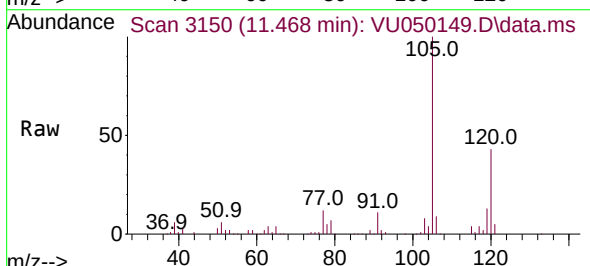
Acq: 08 Aug 2022 20:58

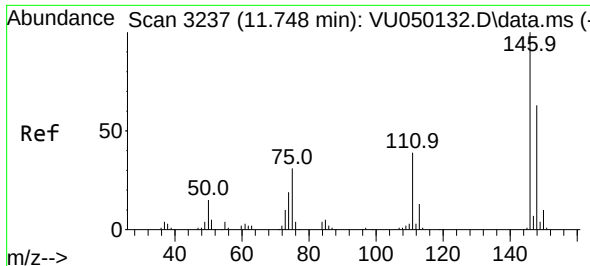
Tgt Ion:105 Resp: 103160

Ion Ratio Lower Upper

105 100

120 43.9 35.9 53.9

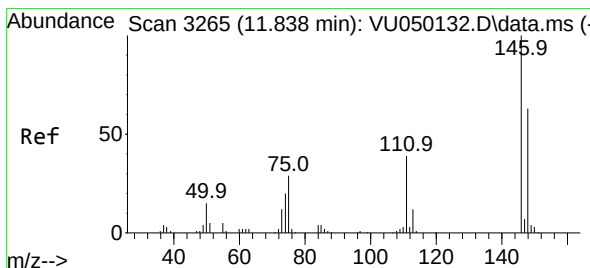
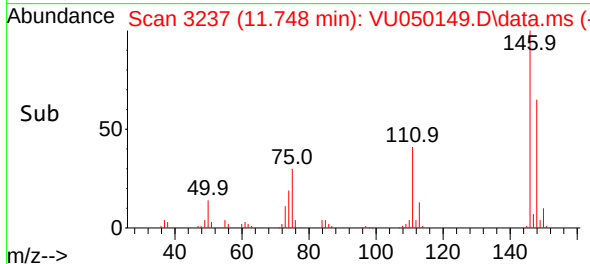
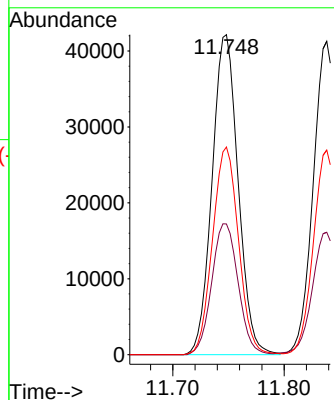
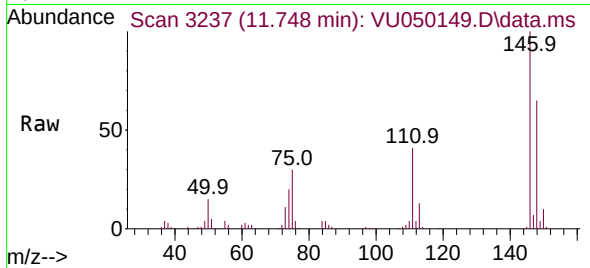




#64
1,3-Dichlorobenzene
Concen: 4.910 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

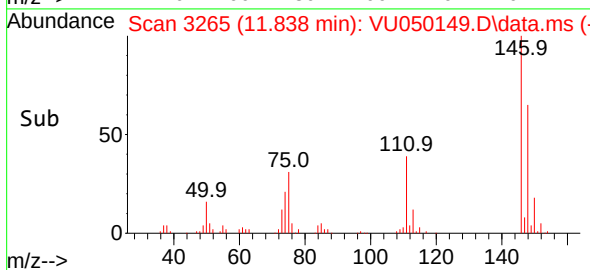
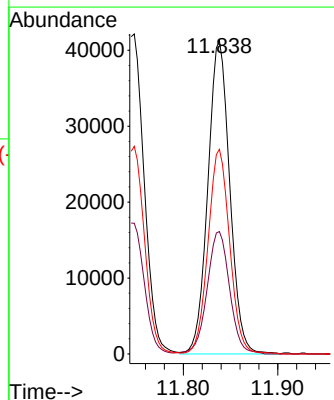
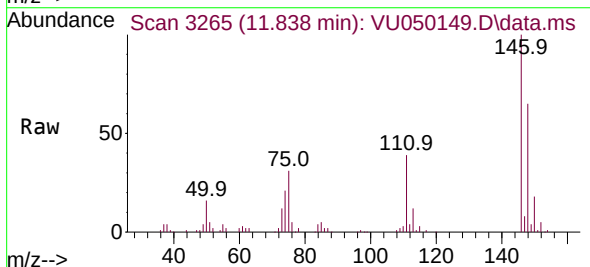
Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

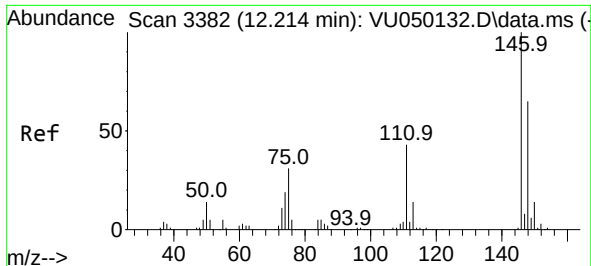
Tgt Ion:146 Resp: 68462
Ion Ratio Lower Upper
146 100
111 40.9 29.9 55.5
148 64.9 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion:146 Resp: 66340
Ion Ratio Lower Upper
146 100
111 39.1 28.1 52.1
148 65.3 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.042 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

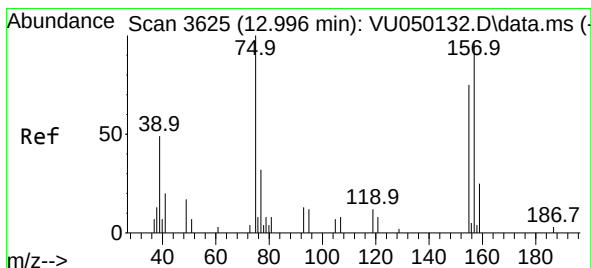
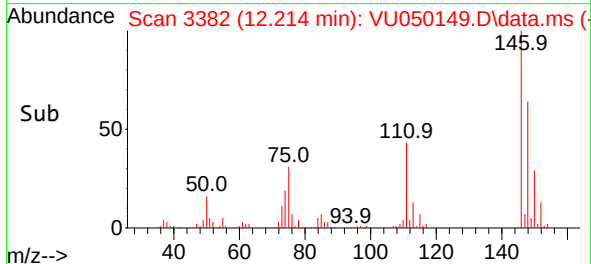
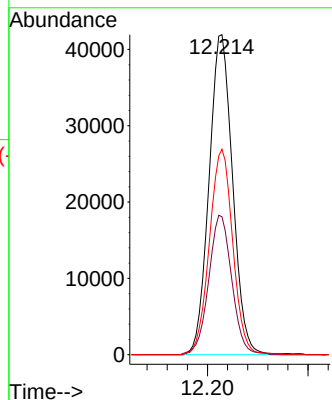
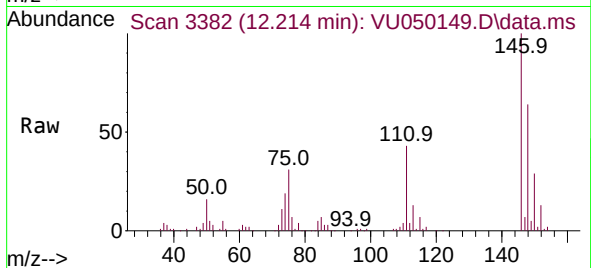
Tgt Ion:146 Resp: 68087

Ion Ratio Lower Upper

146 100

111 43.1 32.9 49.3

148 64.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.456 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

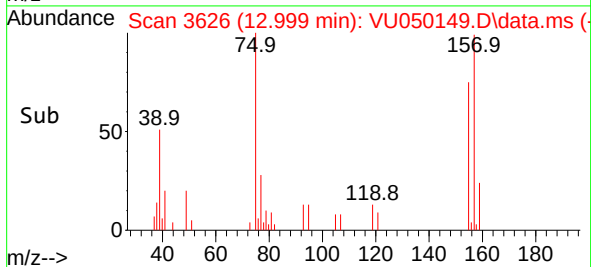
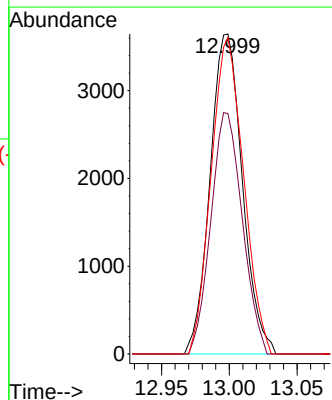
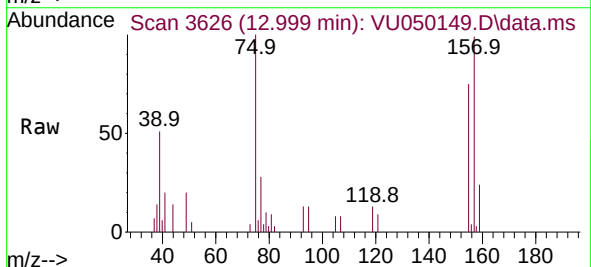
Tgt Ion: 75 Resp: 6037

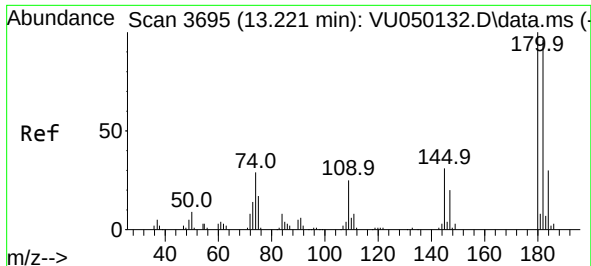
Ion Ratio Lower Upper

75 100

155 75.2 63.5 95.3

157 98.8 85.0 127.6





#69

1,3,5-Trichlorobenzene

Concen: 4.701 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD005152

Tgt Ion:180 Resp: 46695

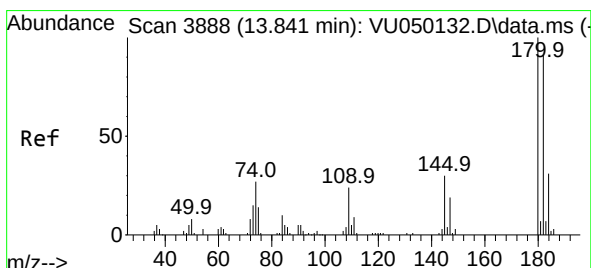
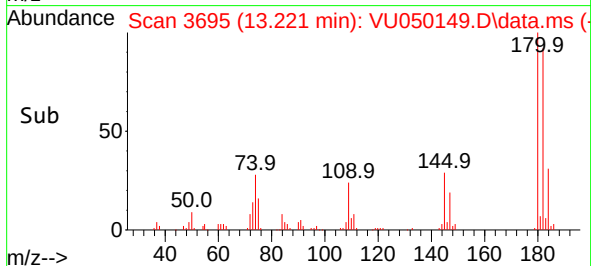
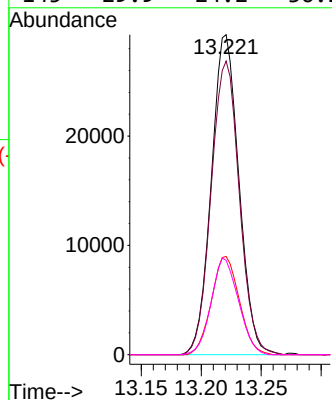
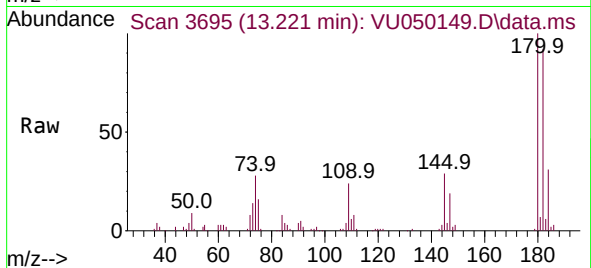
Ion Ratio Lower Upper

180 100

182 93.8 77.3 115.9

184 31.1 24.1 36.1

145 29.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.573 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050149.D

Acq: 08 Aug 2022 20:58

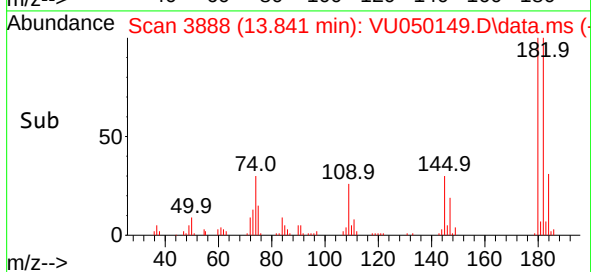
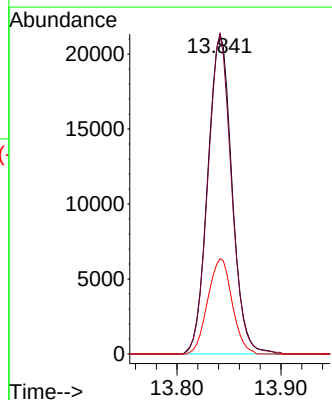
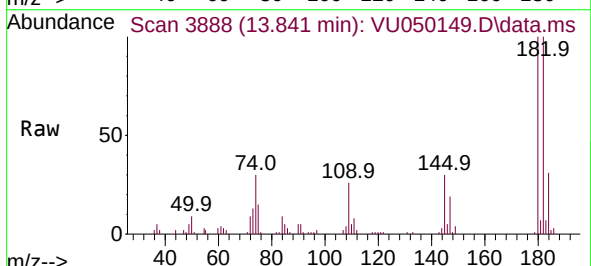
Tgt Ion:180 Resp: 34419

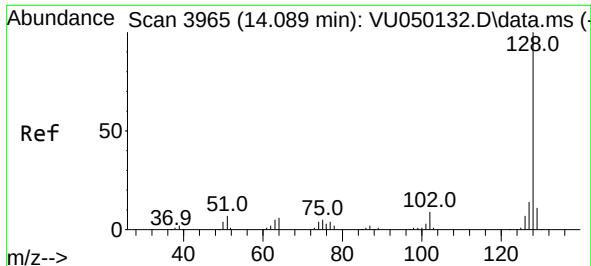
Ion Ratio Lower Upper

180 100

182 97.8 76.9 115.3

145 30.0 24.2 36.4

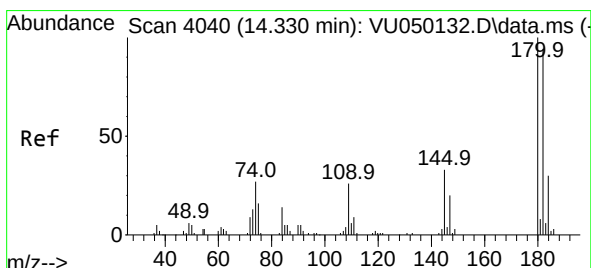
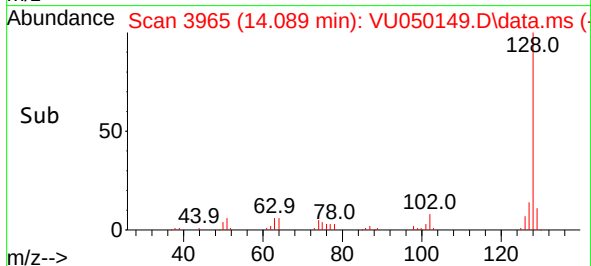
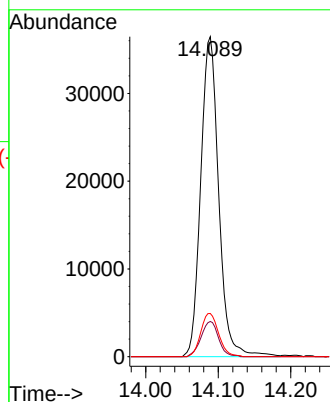
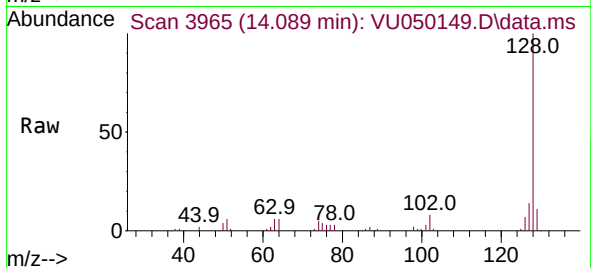




#71
Naphthalene
Concen: 4.067 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD005152

Tgt Ion:	128	Resp:	62766
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.5	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.618 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050149.D
Acq: 08 Aug 2022 20:58

Tgt Ion:	180	Resp:	35230
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.5	116.3
145	31.7	25.8	38.6

