

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047719.D
 Acq On : 26 Mar 2022 19:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

Quant Time: Mar 28 05:11:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	328928	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	337287	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	203125	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	112968	47.361	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.720%
7) Chloroethane-d5	1.916	69	103843	55.213	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.420%
11) 1,1-Dichloroethene-d2	2.575	63	215987	49.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.980%
21) 2-Butanone-d5	4.633	46	255439	124.767	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.770%
24) Chloroform-d	5.067	84	240787	55.171	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.340%
26) 1,2-Dichloroethane-d4	5.703	65	149105	55.703	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.400%
32) Benzene-d6	5.729	84	468047	55.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.300%
36) 1,2-Dichloropropane-d6	6.694	67	149789	57.468	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.940%
41) Toluene-d8	7.899	98	448026	54.182	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.360%
43) trans-1,3-Dichloroprop...	8.179	79	72039	54.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.100%
47) 2-Hexanone-d5	8.632	63	195930	128.409	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.410%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	256345	57.308	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	198696	54.983	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	156063	51.177	ug/L	100
3) Chloromethane	1.523	50	150127	51.478	ug/L	100
5) Vinyl chloride	1.607	62	152177	51.164	ug/L	99
6) Bromomethane	1.861	94	92960	58.068	ug/L	100
8) Chloroethane	1.938	64	101826	54.535	ug/L	97
9) Trichlorofluoromethane	2.141	101	204188	48.683	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	125676	51.838	ug/L	100
12) 1,1-Dichloroethene	2.584	96	116291	51.541	ug/L	91
13) Acetone	2.645	43	157698	82.771	ug/L	98
14) Carbon disulfide	2.800	76	348360	48.844	ug/L	100
15) Methyl Acetate	2.954	43	161446	53.141	ug/L	99
16) Methylene chloride	3.051	84	137090	52.948	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	125386	51.522	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	380282	55.387	ug/L	99
19) 1,1-Dichloroethane	3.874	63	229832	54.758	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	143971	53.961	ug/L	97
22) 2-Butanone	4.713	43	244746	99.723	ug/L	99
23) Bromochloromethane	4.980	128	78270	53.431	ug/L	98
25) Chloroform	5.089	83	244779	54.169	ug/L	100

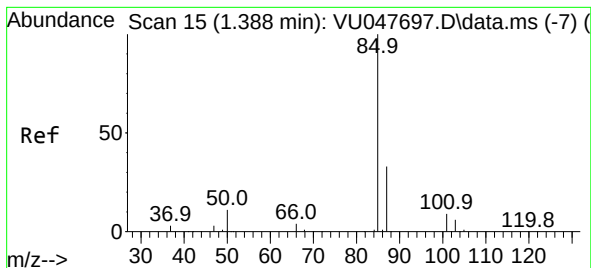
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047719.D
 Acq On : 26 Mar 2022 19:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

Quant Time: Mar 28 05:11:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	191633	54.891	ug/L	100
29) Cyclohexane	5.391	56	191075	55.829	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	210069	54.927	ug/L	99
31) Carbon tetrachloride	5.526	117	189378	54.836	ug/L	99
33) Benzene	5.777	78	543465	55.667	ug/L	100
34) Trichloroethene	6.542	95	139150	54.365	ug/L	99
35) Methylcyclohexane	6.764	83	211008	54.190	ug/L	99
37) 1,2-Dichloropropane	6.793	63	138134	55.657	ug/L	100
38) Bromodichloromethane	7.108	83	189119	55.490	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	212534	55.190	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	441550	112.567	ug/L	99
42) Toluene	7.970	91	602564	56.250	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	211600	55.033	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	145329	55.212	ug/L	99
46) Tetrachloroethene	8.555	164	120902	52.564	ug/L	100
48) 2-Hexanone	8.687	43	376247	111.509	ug/L	99
49) Dibromochloromethane	8.809	129	164890	54.086	ug/L	99
50) 1,2-Dibromoethane	8.925	107	161833	54.842	ug/L	100
51) Chlorobenzene	9.446	112	395950	54.438	ug/L	100
52) Ethylbenzene	9.571	91	627889	55.745	ug/L	99
53) m,p-Xylene	9.693	106	251331	56.868	ug/L	99
54) o-Xylene	10.102	106	243169	56.060	ug/L	99
55) Styrene	10.115	104	418734	56.542	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	269100	54.533	ug/L	99
59) Bromoform	10.291	173	141008	54.288	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	209521	54.716	ug/L	99
61) Isopropylbenzene	10.484	105	623817	56.825	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	338868	56.892	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	520628	57.544	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	326696	53.541	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	329009	52.057	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	328398	53.788	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	66928	54.564	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	254986	51.455	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	230661	53.141	ug/L	100
71) Naphthalene	14.086	128	743024	57.417	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	237772	54.644	ug/L	99

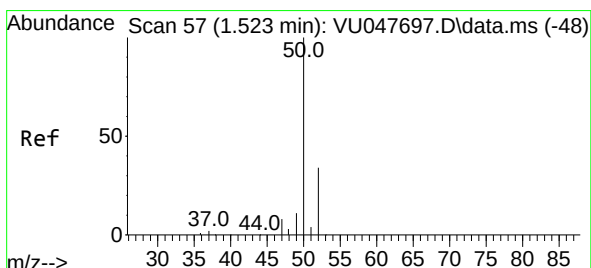
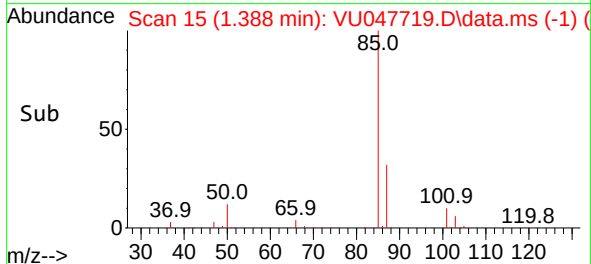
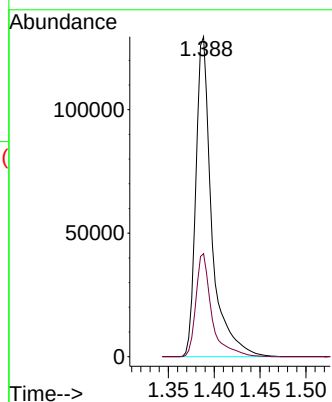
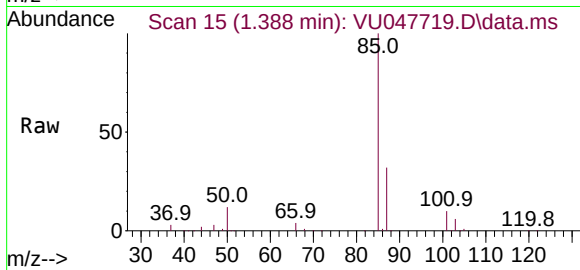
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 51.177 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

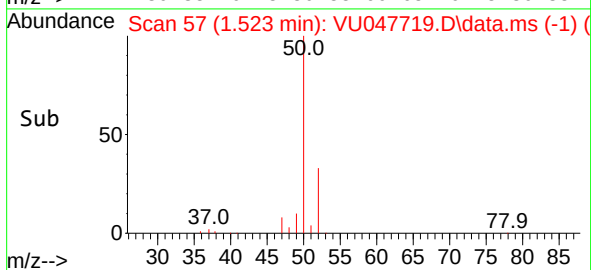
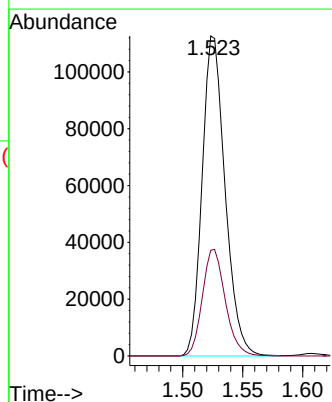
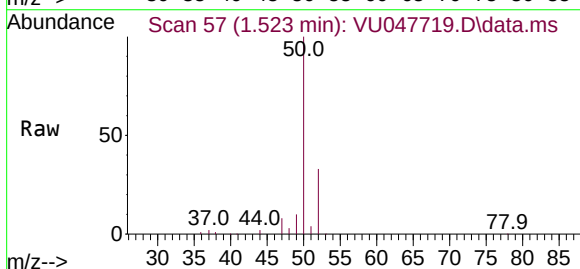
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

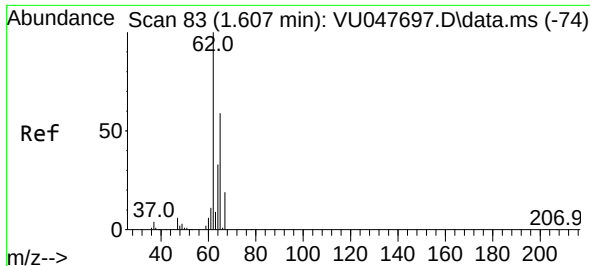
Tgt Ion: 85 Resp: 156063
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.8



#3
Chloromethane
Concen: 51.478 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 50 Resp: 150127
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.2

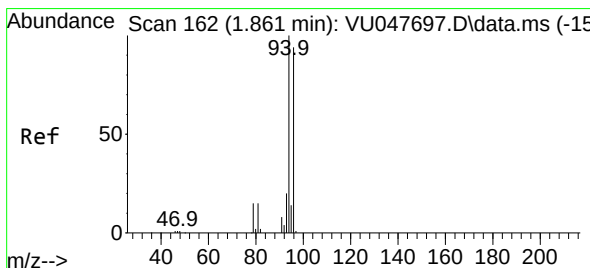
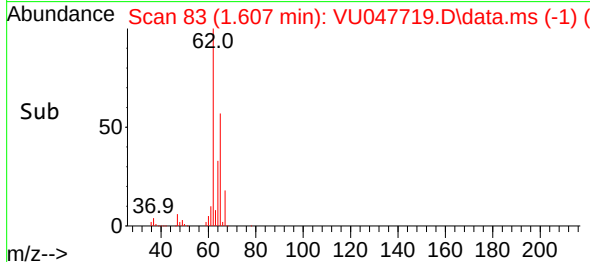
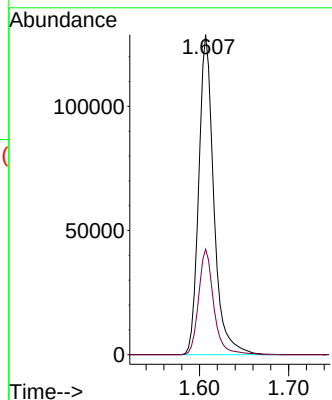
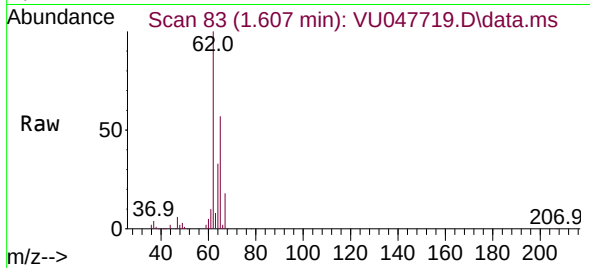




#5
 Vinyl chloride
 Concen: 51.164 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

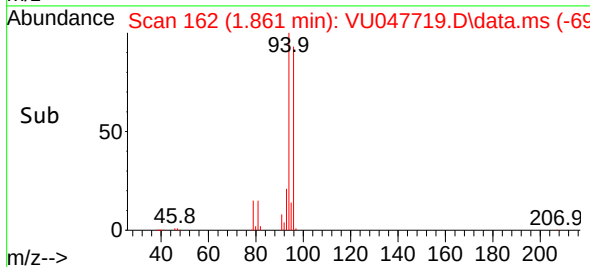
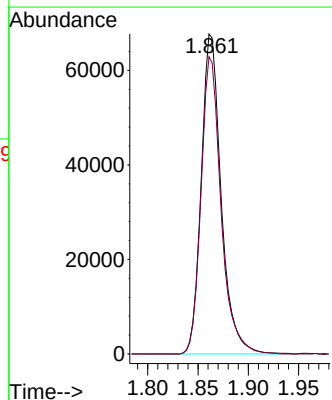
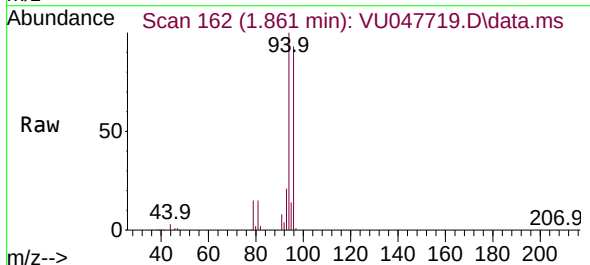
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

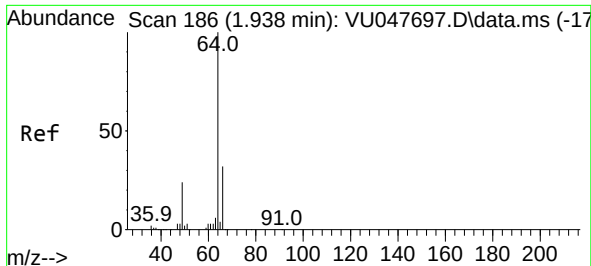
Tgt Ion: 62 Resp: 152177
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.7 43.9



#6
 Bromomethane
 Concen: 58.068 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

Tgt Ion: 94 Resp: 92960
 Ion Ratio Lower Upper
 94 100
 96 92.9 64.8 120.3

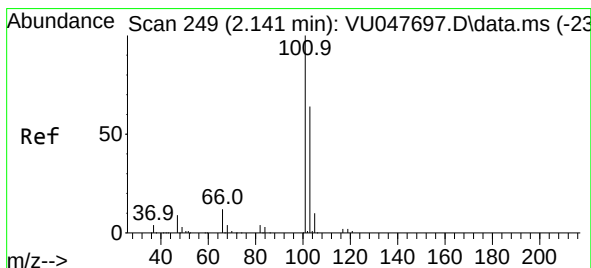
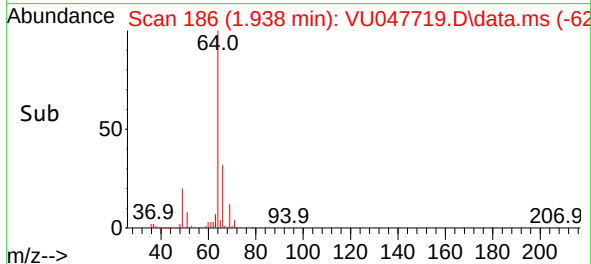
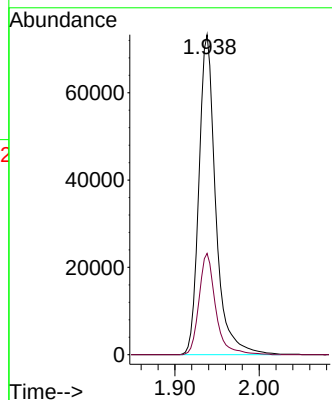
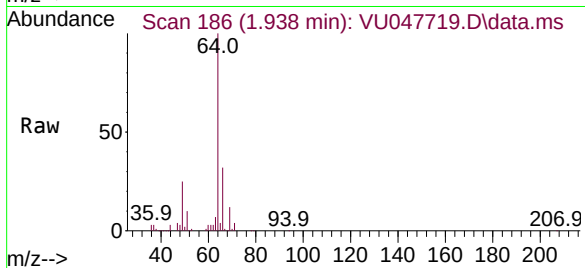




#8
Chloroethane
Concen: 54.535 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

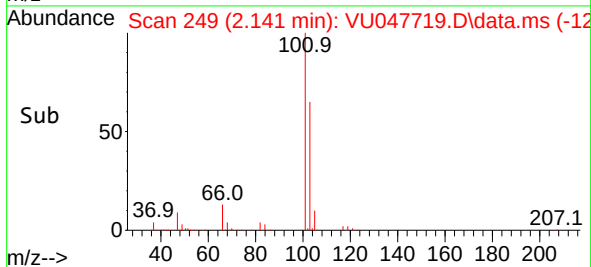
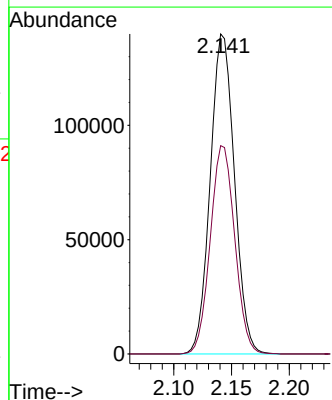
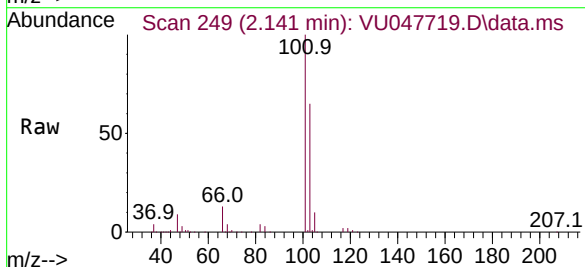
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

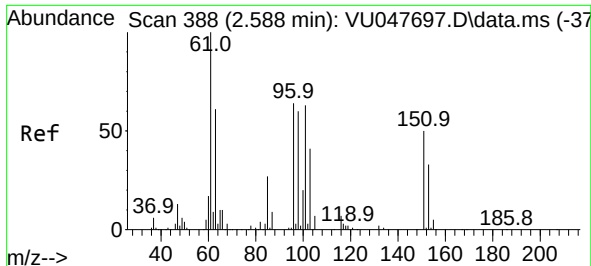
Tgt Ion: 64 Resp: 101826
Ion Ratio Lower Upper
64 100
66 31.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 48.683 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:101 Resp: 204188
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

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

Concen: 51.838 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050180

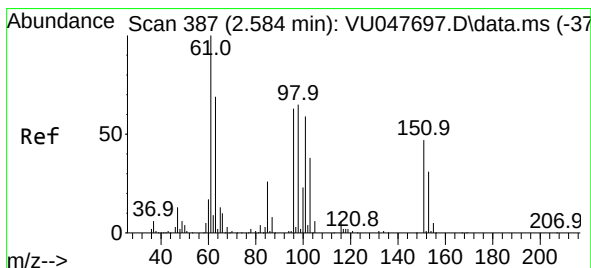
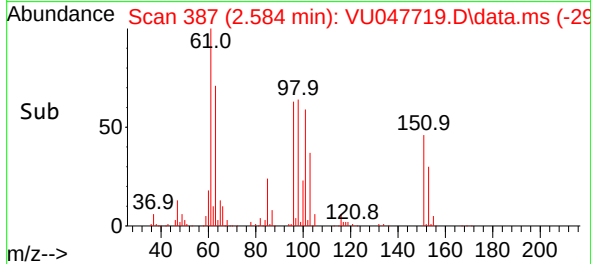
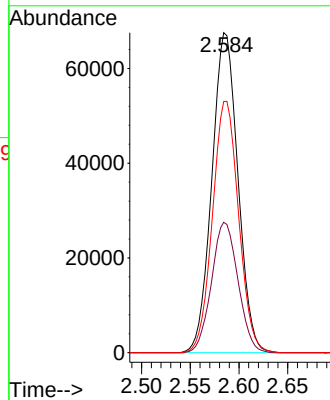
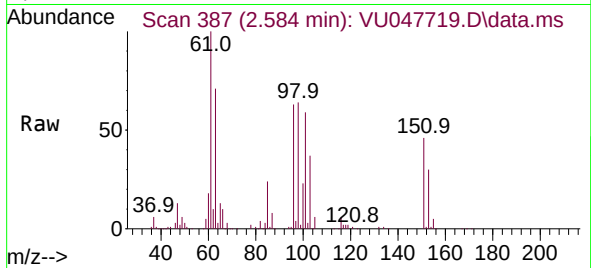
Tgt Ion:101 Resp: 125676

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

151 78.8 63.0 94.6



#12

1,1-Dichloroethene

Concen: 51.541 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

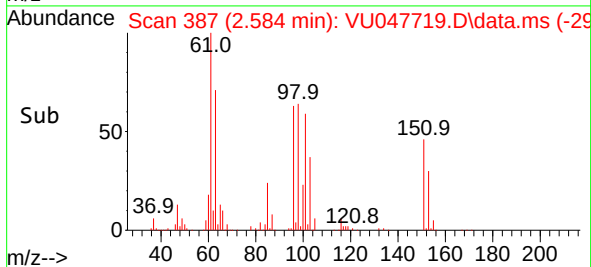
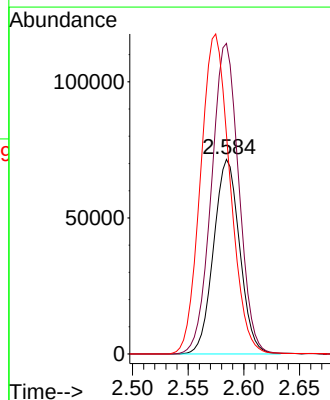
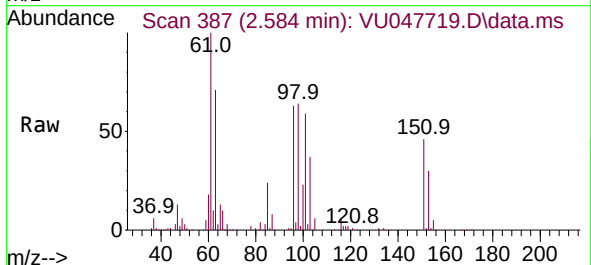
Tgt Ion: 96 Resp: 116291

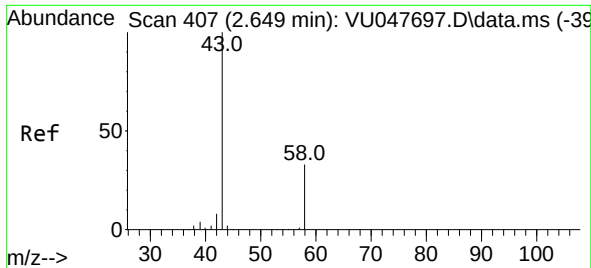
Ion Ratio Lower Upper

96 100

61 159.6 113.1 210.1

63 112.8 94.8 176.0





#13

Acetone

Concen: 82.771 ug/L

RT: 2.645 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

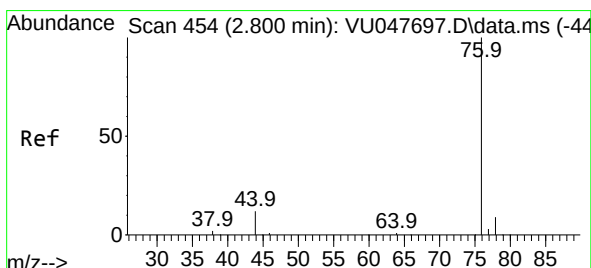
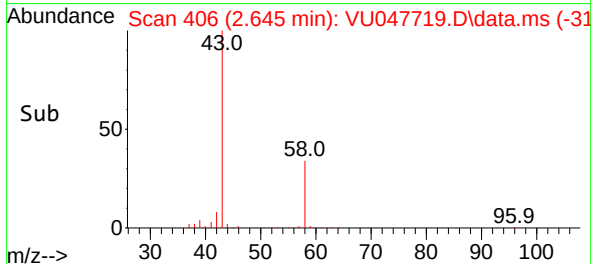
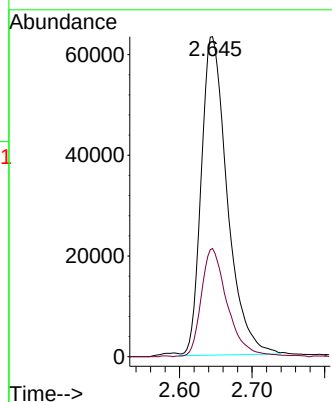
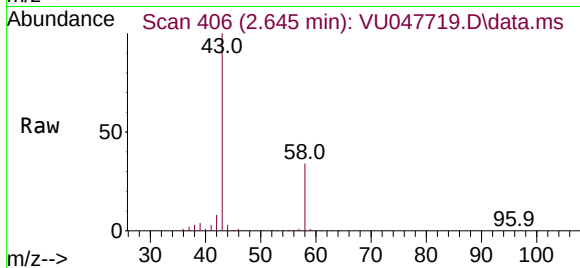
VSTD050180

Tgt Ion: 43 Resp: 157698

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.0



#14

Carbon disulfide

Concen: 48.844 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047719.D

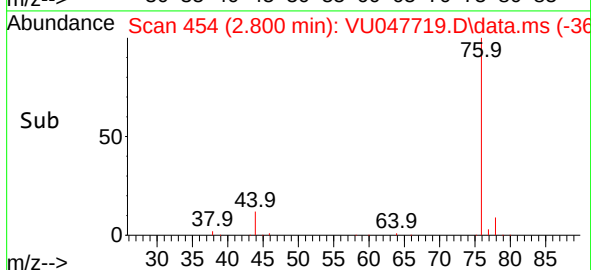
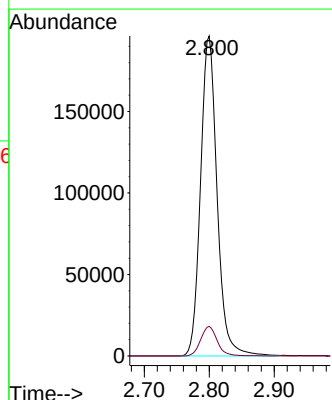
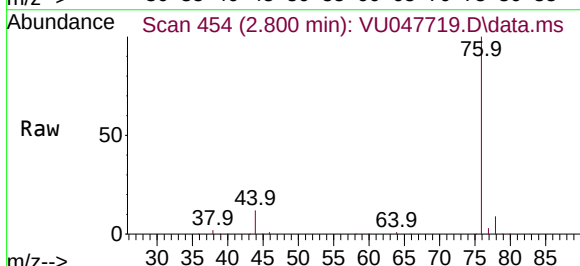
Acq: 26 Mar 2022 19:07

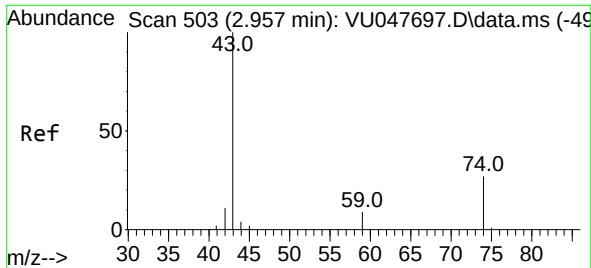
Tgt Ion: 76 Resp: 348360

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

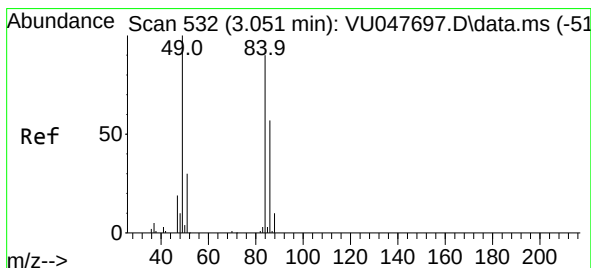
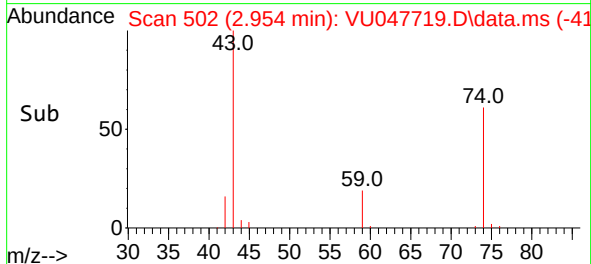
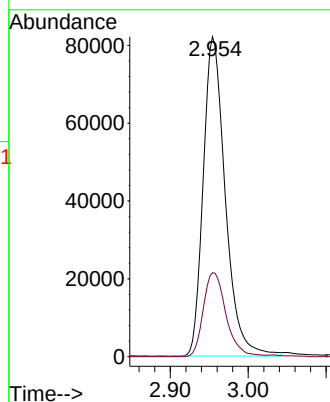
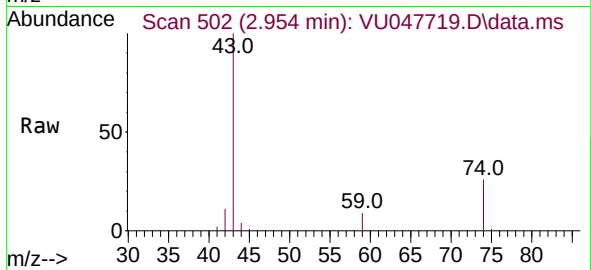




#15
Methyl Acetate
Concen: 53.141 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

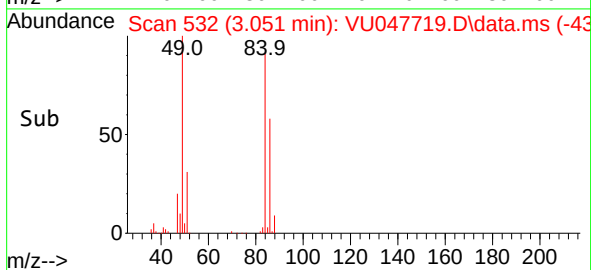
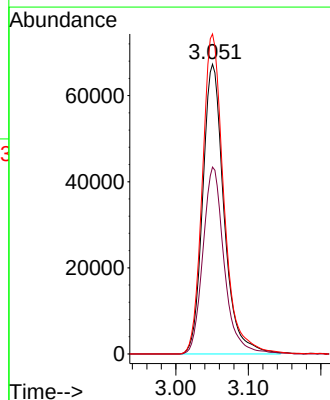
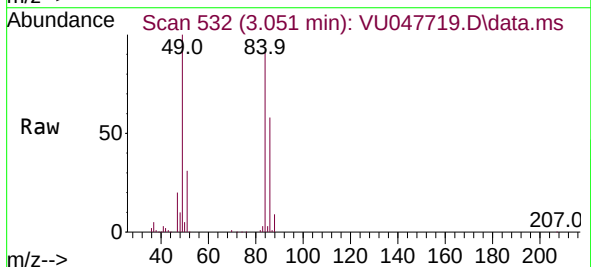
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

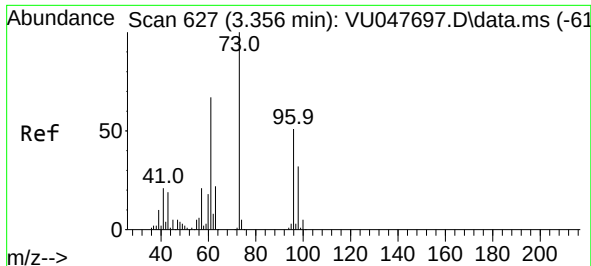
Tgt Ion: 43 Resp: 161446
Ion Ratio Lower Upper
43 100
74 27.1 22.2 33.2



#16
Methylene chloride
Concen: 52.948 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 84 Resp: 137090
Ion Ratio Lower Upper
84 100
86 64.5 46.0 85.4
49 110.5 75.3 139.8

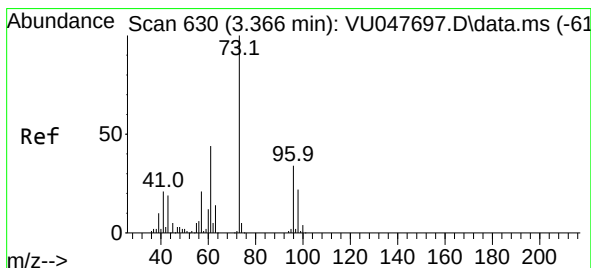
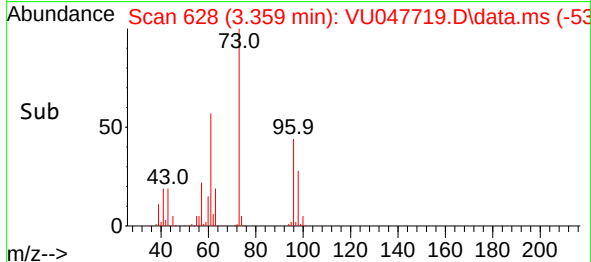
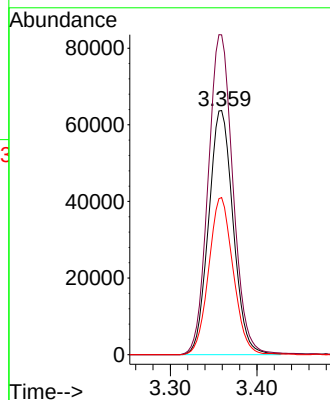
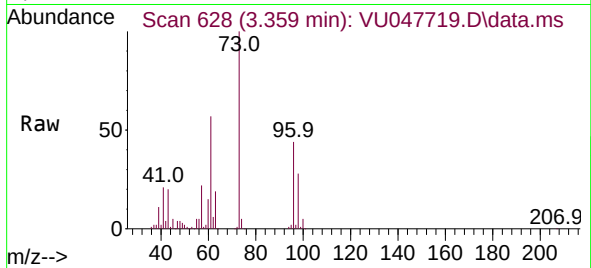




#17
trans-1,2-Dichloroethene
Concen: 51.522 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

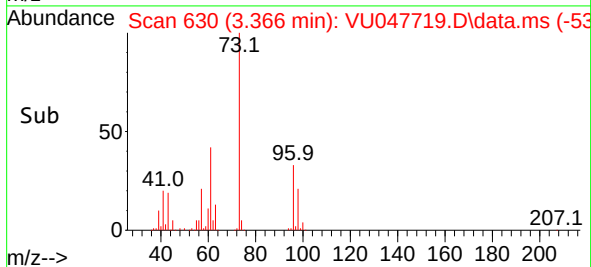
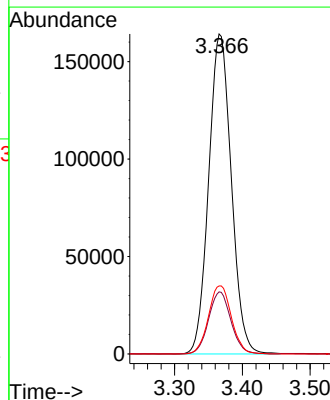
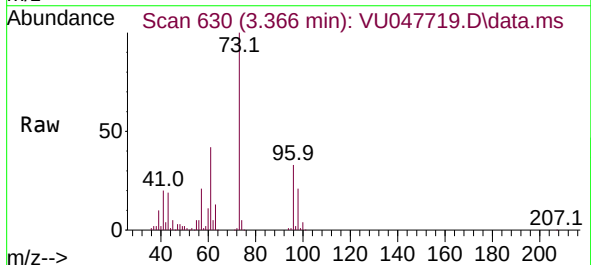
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

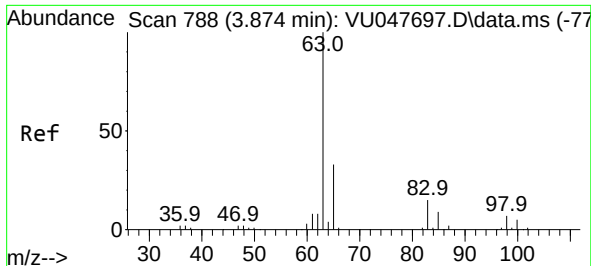
Tgt Ion: 96 Resp: 125386
Ion Ratio Lower Upper
96 100
61 130.9 88.4 164.2
98 64.3 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 55.387 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 73 Resp: 380282
Ion Ratio Lower Upper
73 100
43 19.3 15.3 22.9
57 21.6 17.0 25.6

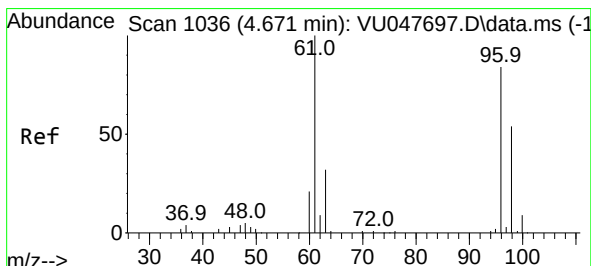
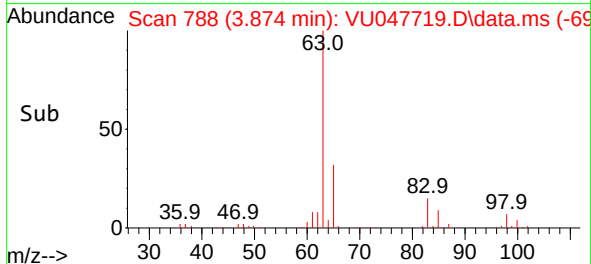
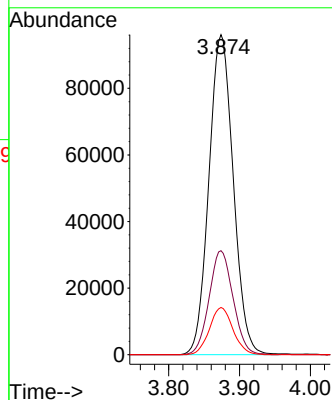
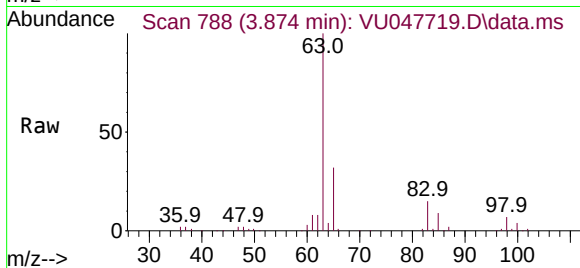




#19
1,1-Dichloroethane
Concen: 54.758 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

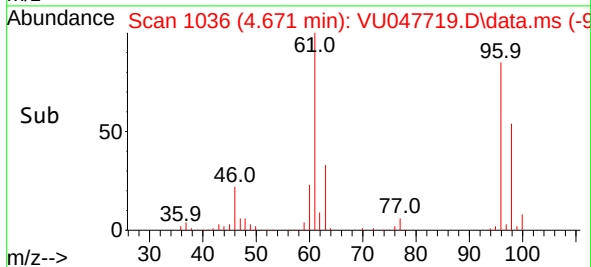
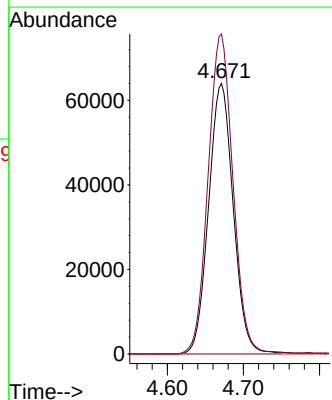
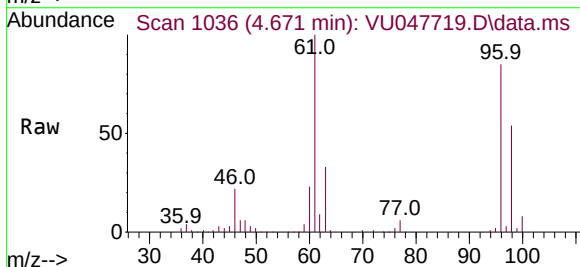
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

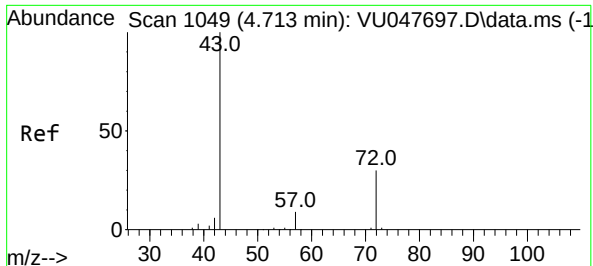
Tgt Ion: 63 Resp: 229832
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 14.8 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 53.961 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 96 Resp: 143971
Ion Ratio Lower Upper
96 100
61 118.3 80.7 149.9
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.723 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

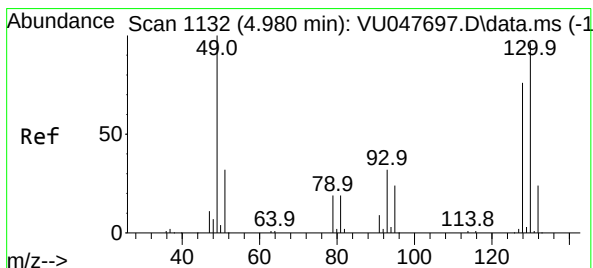
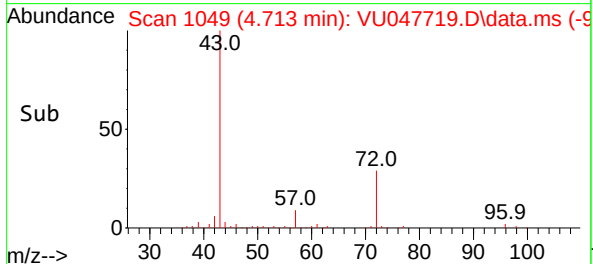
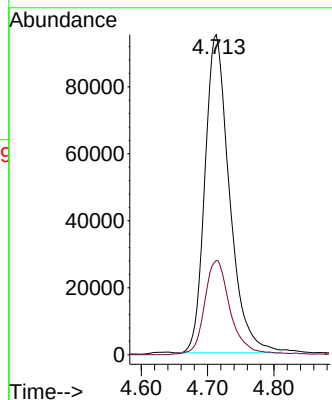
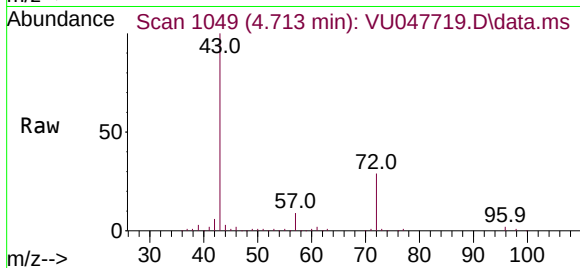
VSTD050180

Tgt Ion: 43 Resp: 244746

Ion Ratio Lower Upper

43 100

72 31.1 16.0 47.9



#23

Bromochloromethane

Concen: 53.431 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Tgt Ion: 128 Resp: 78270

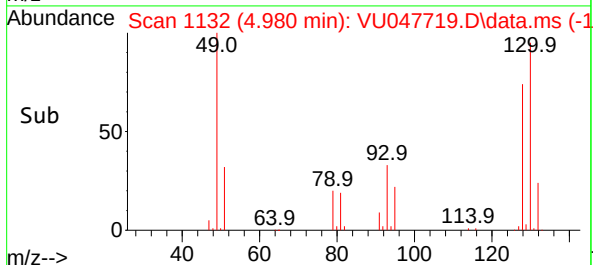
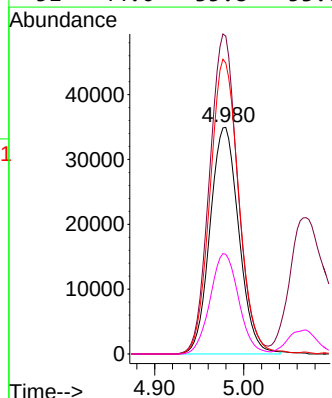
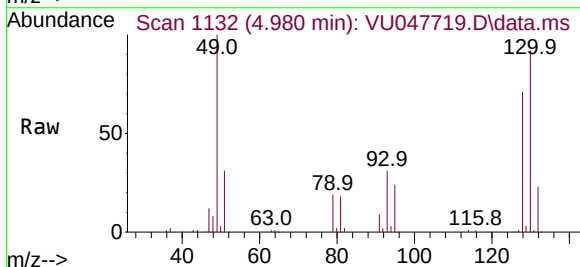
Ion Ratio Lower Upper

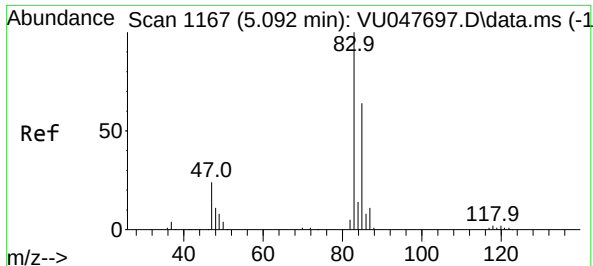
128 100

49 140.2 94.1 174.8

130 128.4 90.2 167.4

51 44.0 35.8 53.6





#25

Chloroform

Concen: 54.169 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

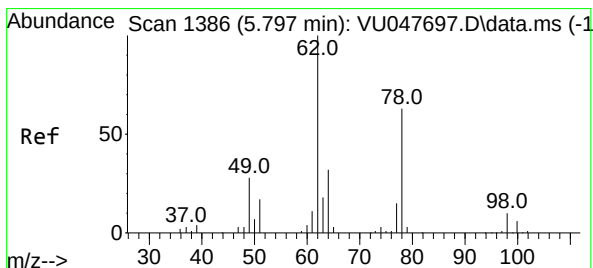
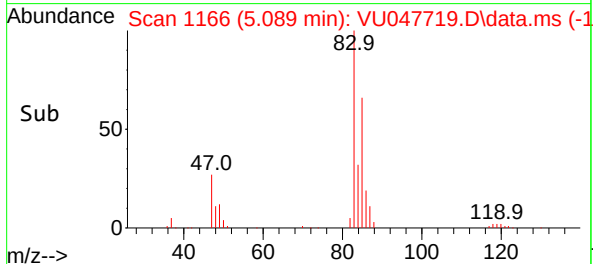
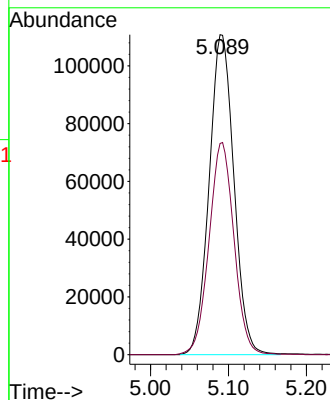
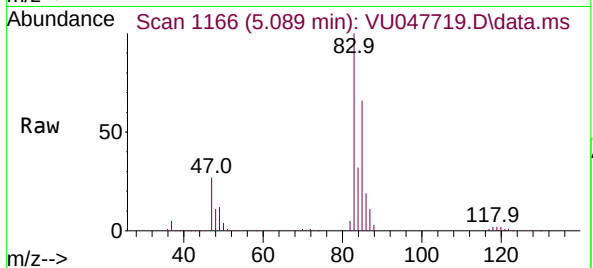
VSTD050180

Tgt Ion: 83 Resp: 244779

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 54.891 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047719.D

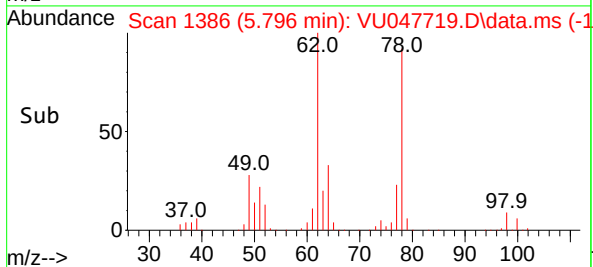
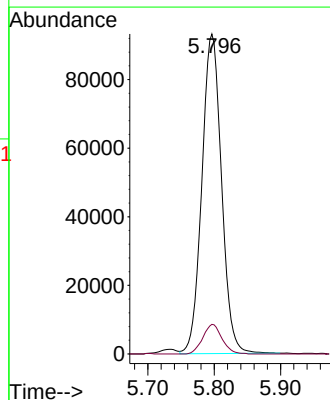
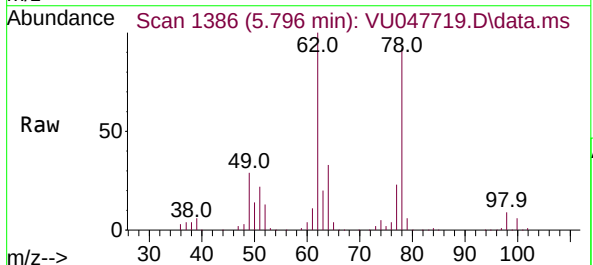
Acq: 26 Mar 2022 19:07

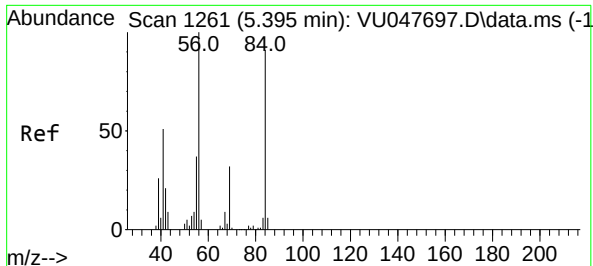
Tgt Ion: 62 Resp: 191633

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.0





#29

Cyclohexane

Concen: 55.829 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050180

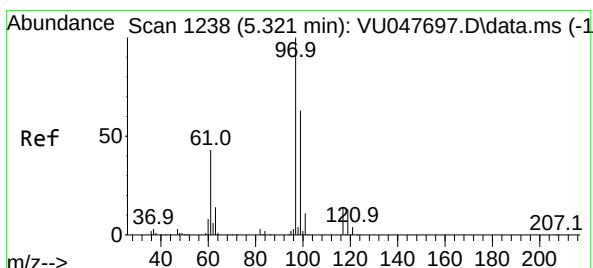
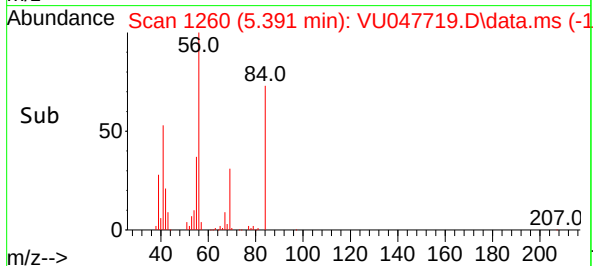
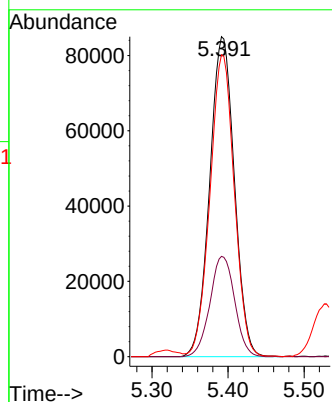
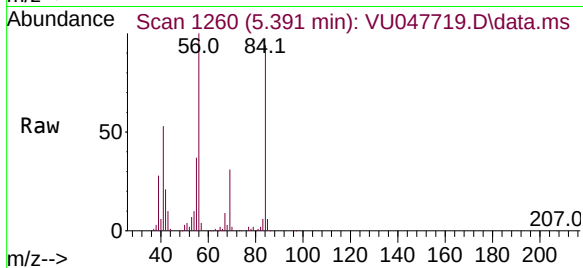
Tgt Ion: 56 Resp: 191075

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 92.7 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 54.927 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

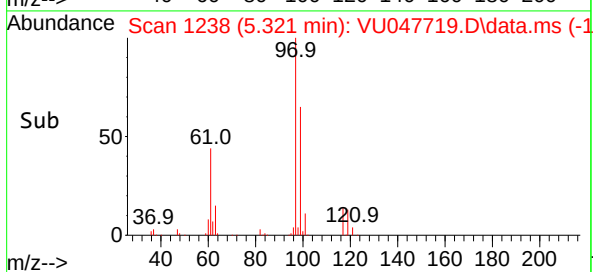
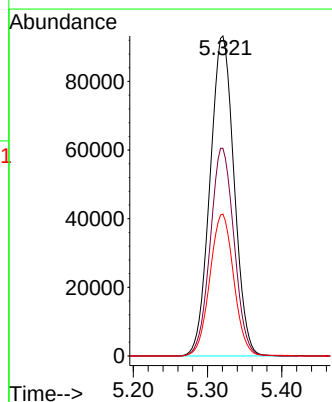
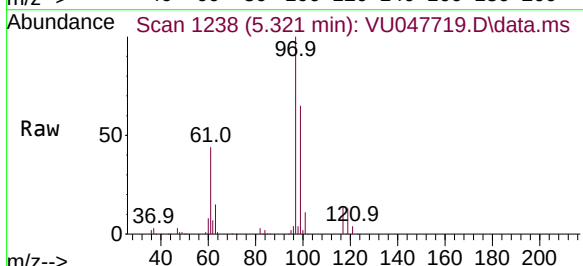
Tgt Ion: 97 Resp: 210069

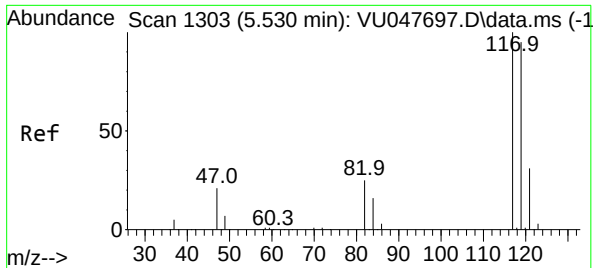
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 44.0 34.2 51.4

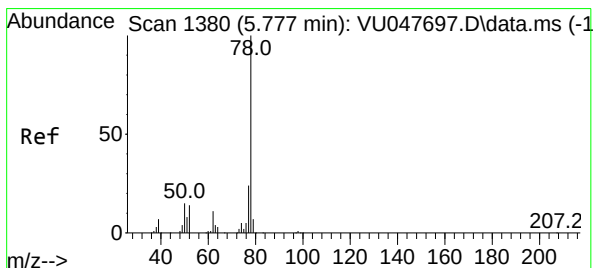
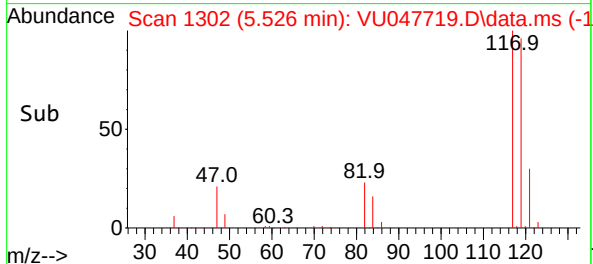
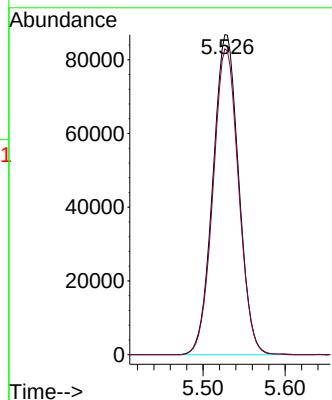
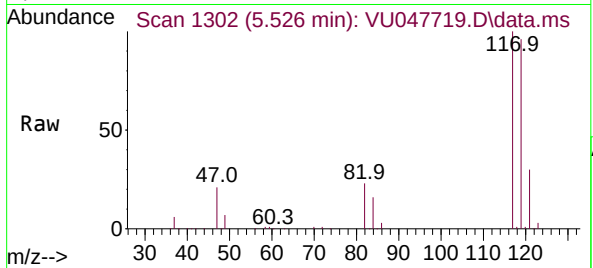




#31
Carbon tetrachloride
Concen: 54.836 ug/L
RT: 5.526 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

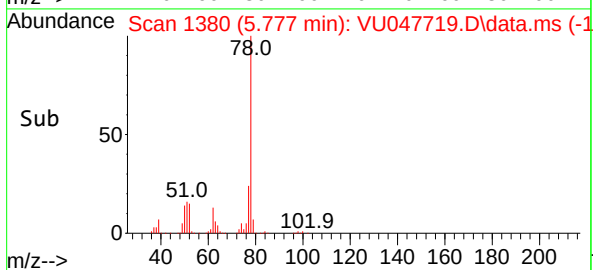
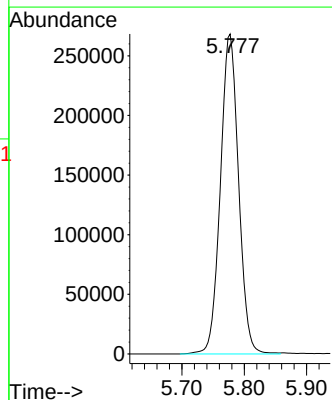
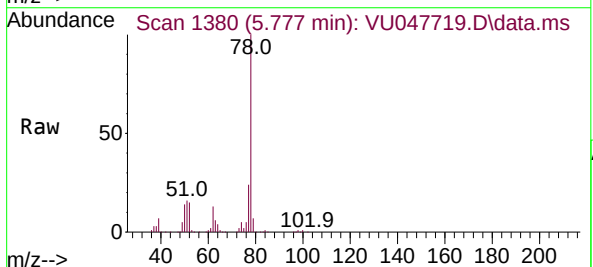
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

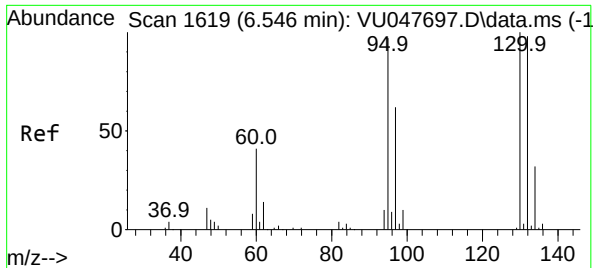
Tgt Ion:117 Resp: 189378
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8



#33
Benzene
Concen: 55.667 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 78 Resp: 543465

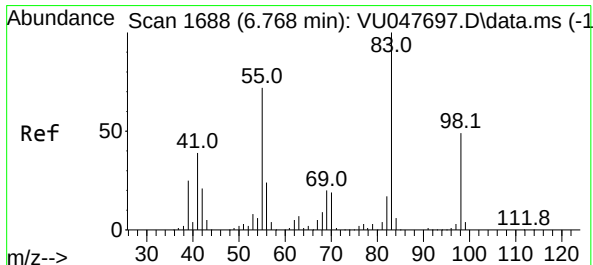
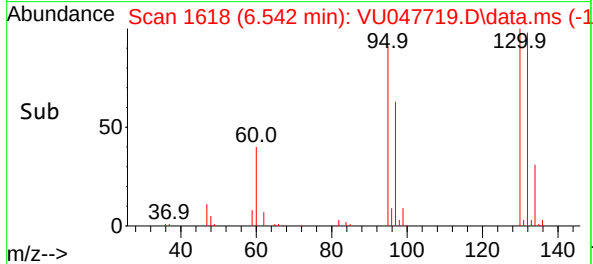
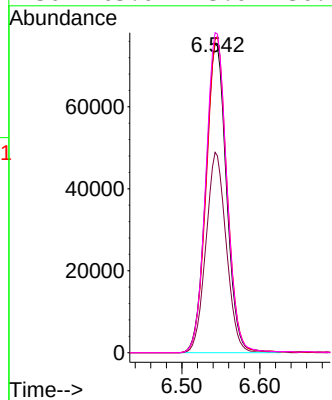
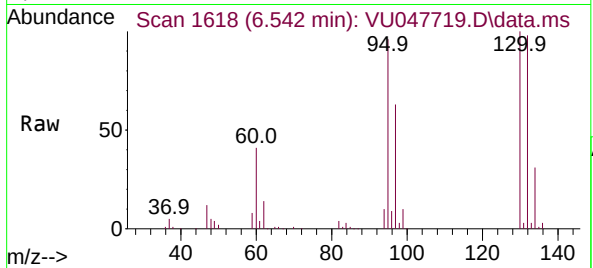




#34
Trichloroethene
Concen: 54.365 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

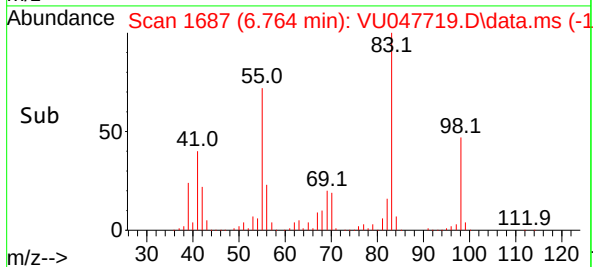
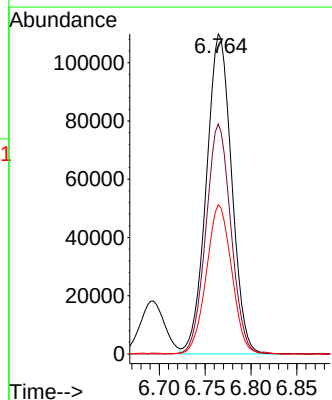
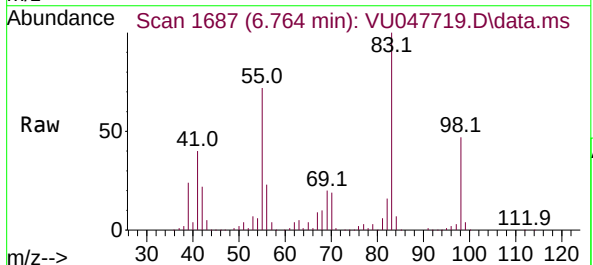
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

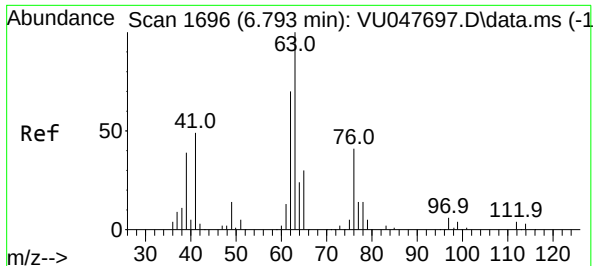
Tgt Ion: 95 Resp: 139150
Ion Ratio Lower Upper
95 100
97 64.9 44.7 82.9
132 101.3 70.4 130.8
130 103.6 73.6 136.8



#35
Methylcyclohexane
Concen: 54.190 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 83 Resp: 211008
Ion Ratio Lower Upper
83 100
55 71.1 56.8 85.2
98 46.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 55.657 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

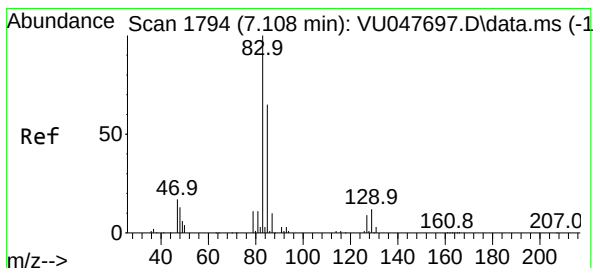
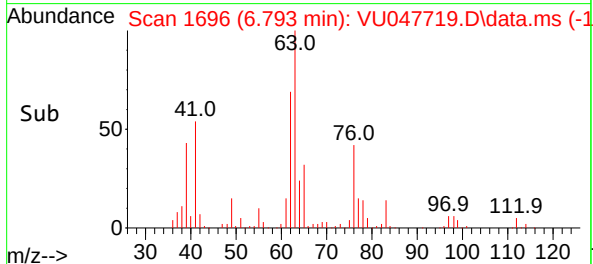
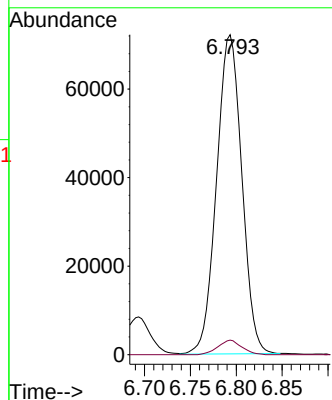
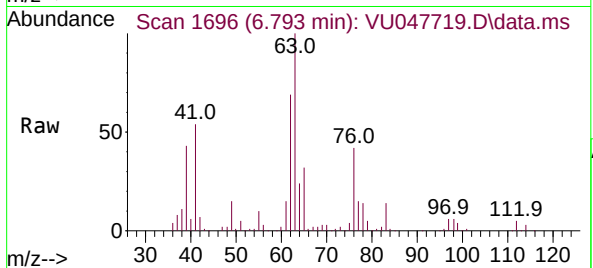
VSTD050180

Tgt Ion: 63 Resp: 138134

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 55.490 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

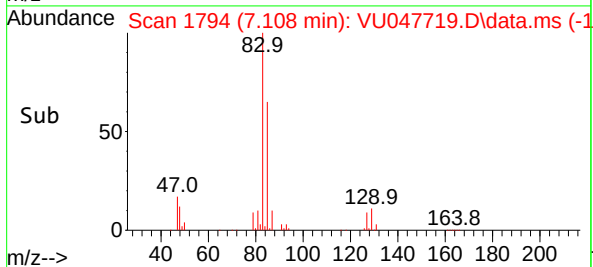
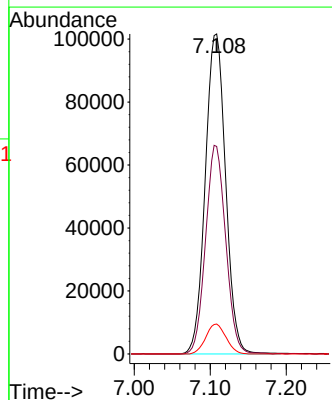
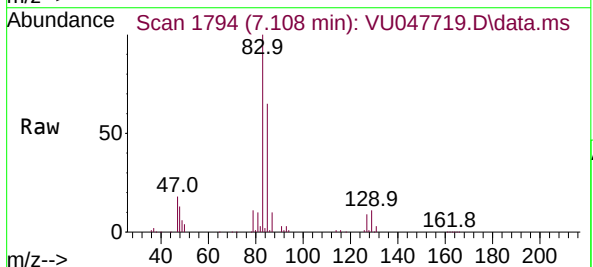
Tgt Ion: 83 Resp: 189119

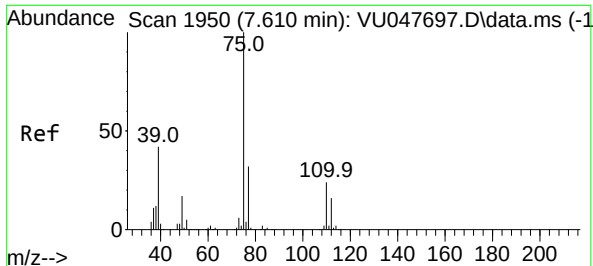
Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.4

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 55.190 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

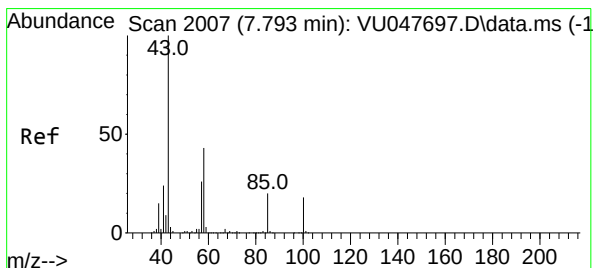
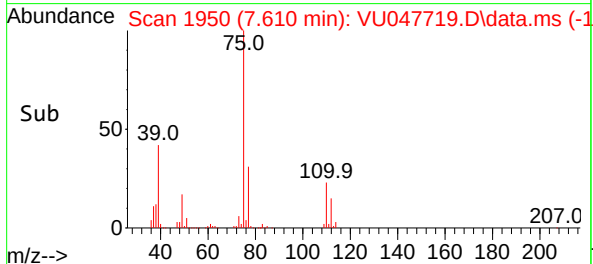
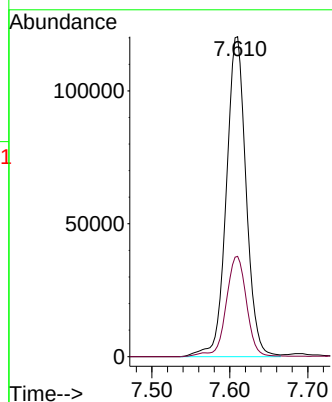
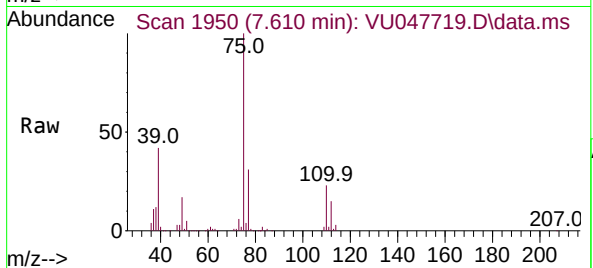
VSTD050180

Tgt Ion: 75 Resp: 212534

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 112.567 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

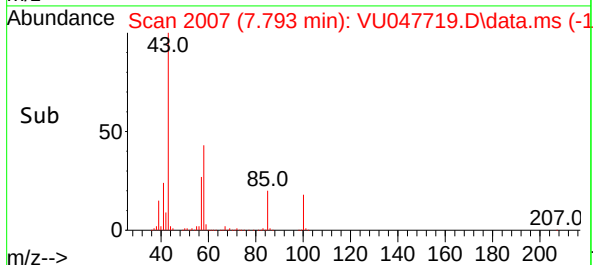
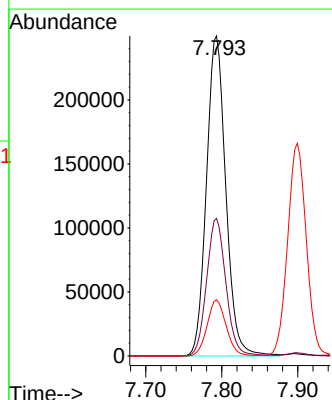
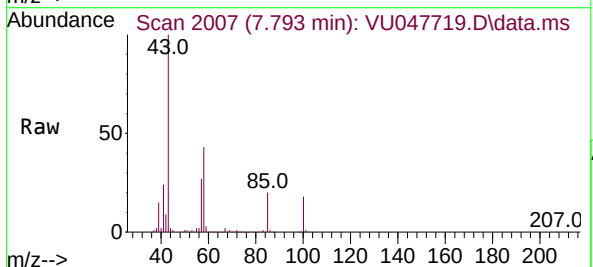
Tgt Ion: 43 Resp: 441550

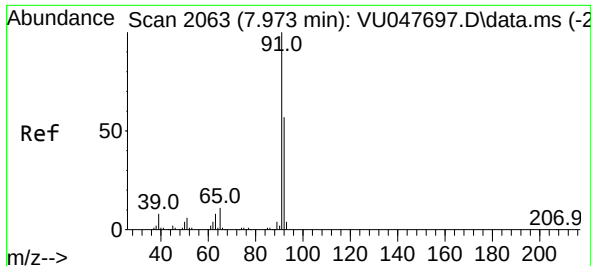
Ion Ratio Lower Upper

43 100

58 43.0 34.7 52.1

100 17.3 14.2 21.2





#42

Toluene

Concen: 56.250 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

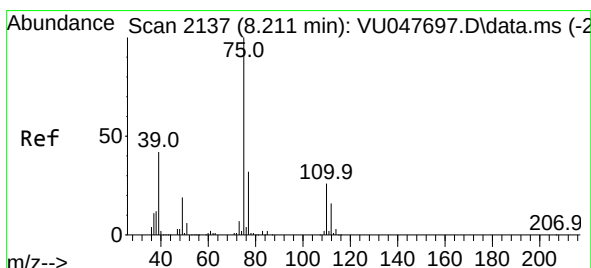
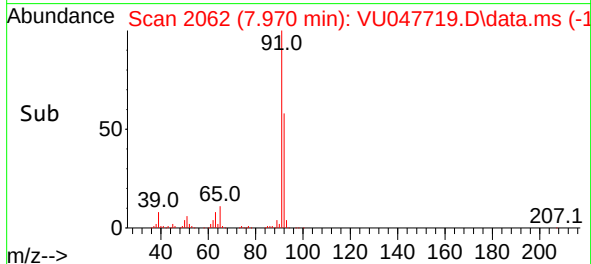
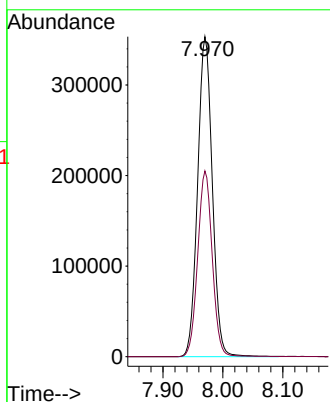
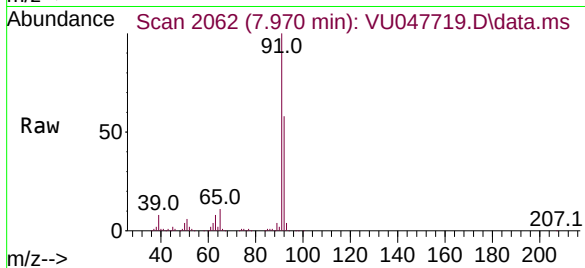
VSTD050180

Tgt Ion: 91 Resp: 602564

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 55.033 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047719.D

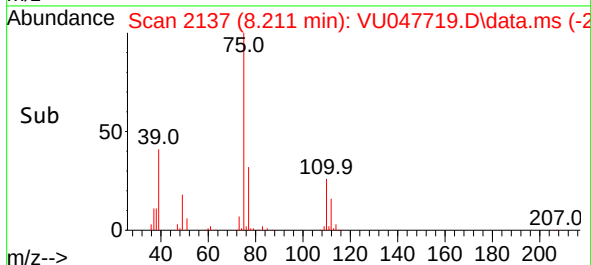
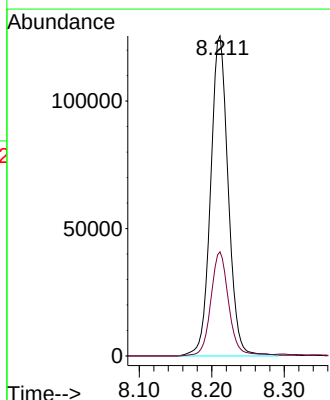
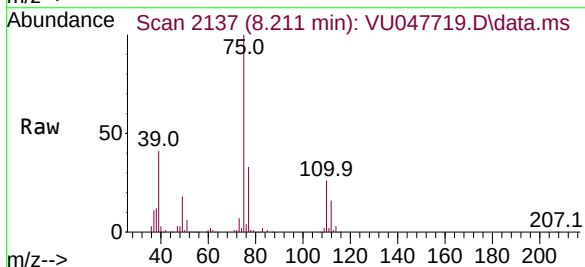
Acq: 26 Mar 2022 19:07

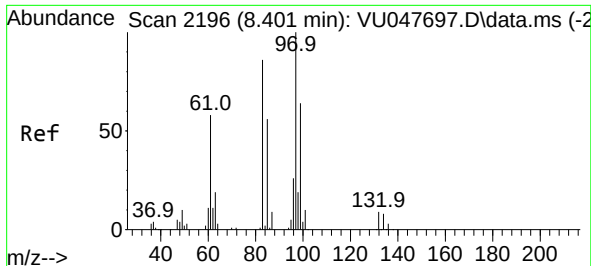
Tgt Ion: 75 Resp: 211600

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8

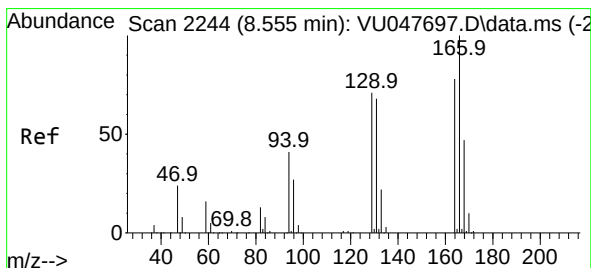
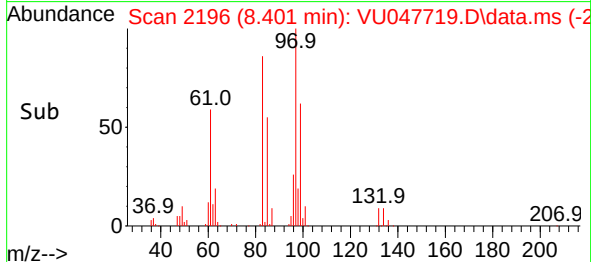
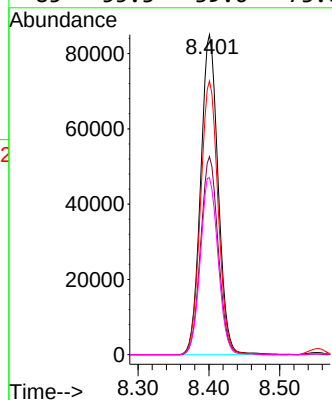
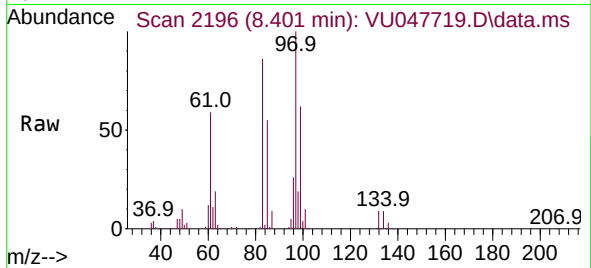




#45
1,1,2-Trichloroethane
Concen: 55.212 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

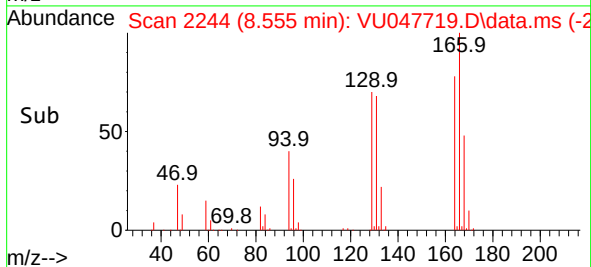
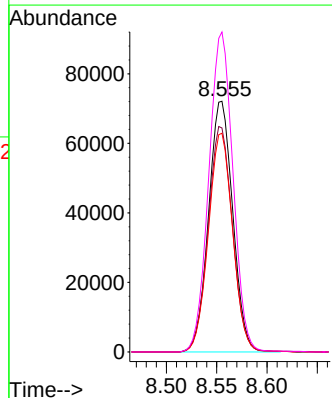
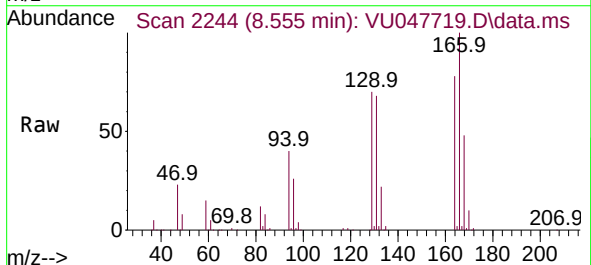
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

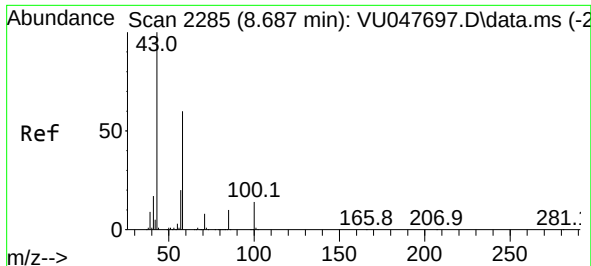
Tgt Ion:	97	Resp:	145329
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.3
83	85.6	61.0	113.4
85	55.3	39.6	73.6



#46
Tetrachloroethene
Concen: 52.564 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:	164	Resp:	120902
Ion	Ratio	Lower	Upper
164	100		
129	89.3	62.4	116.0
131	87.3	60.7	112.7
166	127.6	89.0	165.4

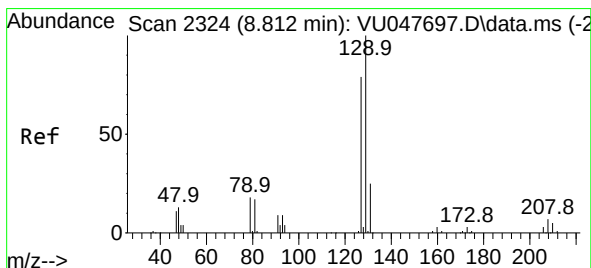
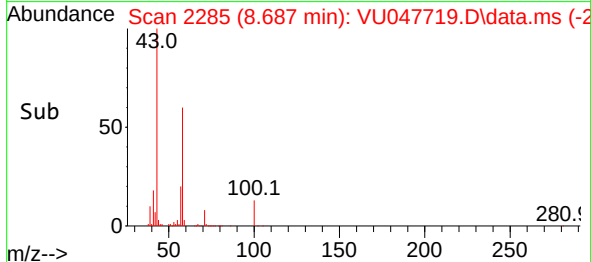
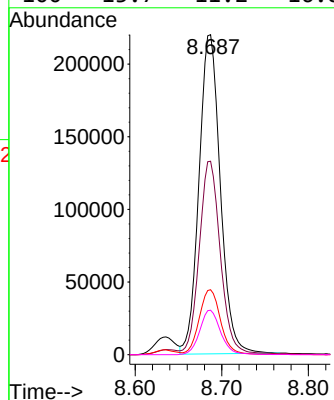
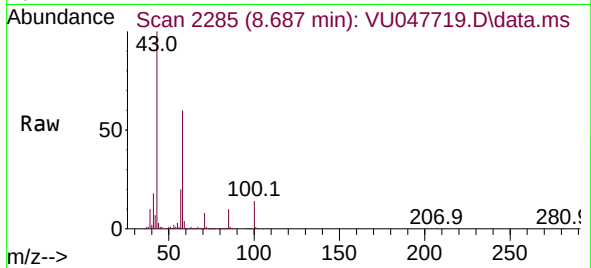




#48
2-Hexanone
Concen: 111.509 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

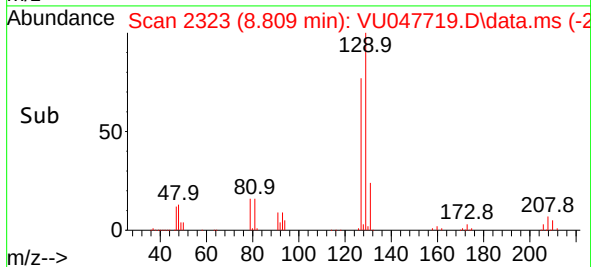
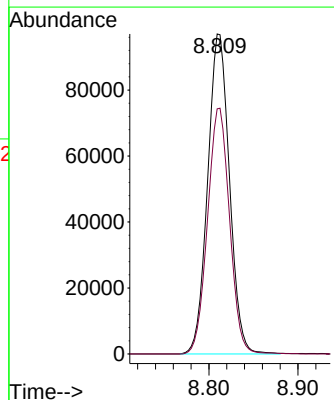
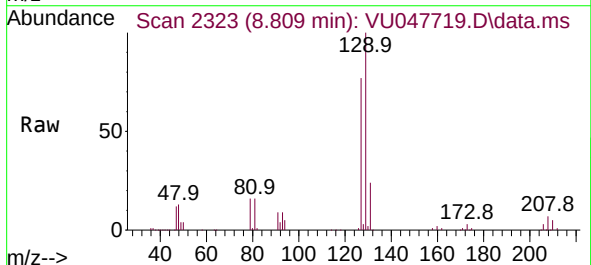
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

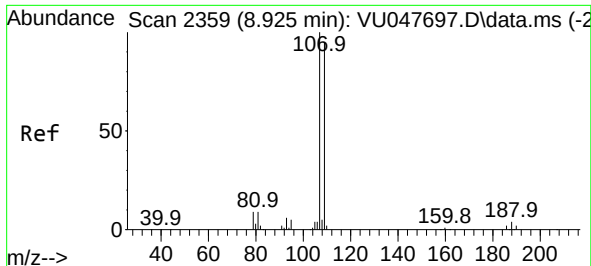
Tgt Ion: 43 Resp: 376247
Ion Ratio Lower Upper
43 100
58 59.7 48.1 72.1
57 20.2 16.2 24.4
100 13.7 11.2 16.8



#49
Dibromochloromethane
Concen: 54.086 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 129 Resp: 164890
Ion Ratio Lower Upper
129 100
127 76.6 54.2 100.6

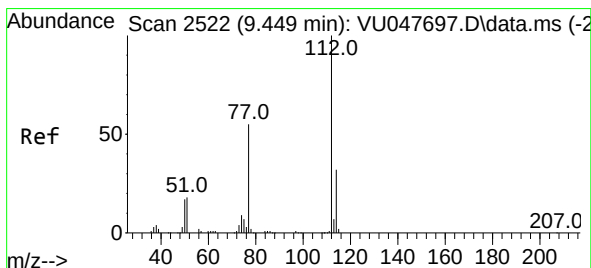
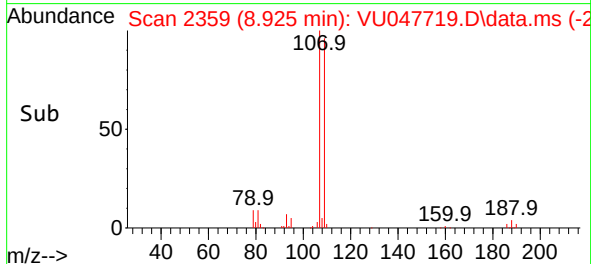
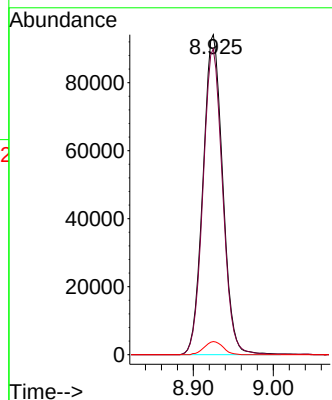
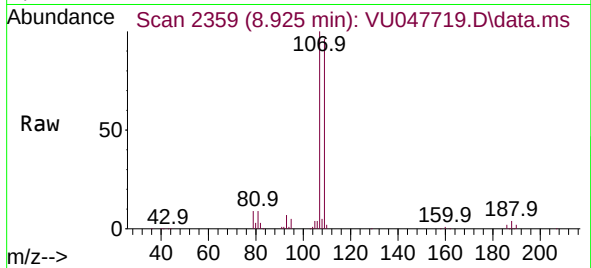




#50
1,2-Dibromoethane
Concen: 54.842 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

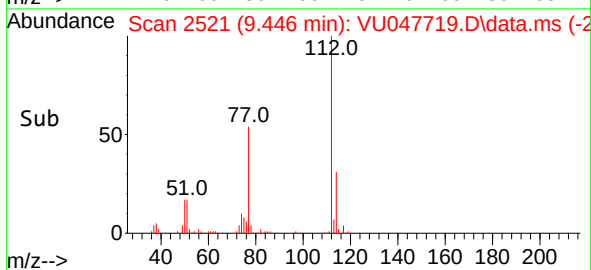
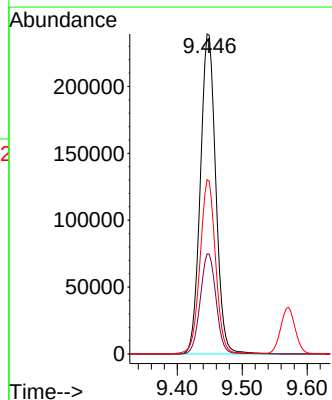
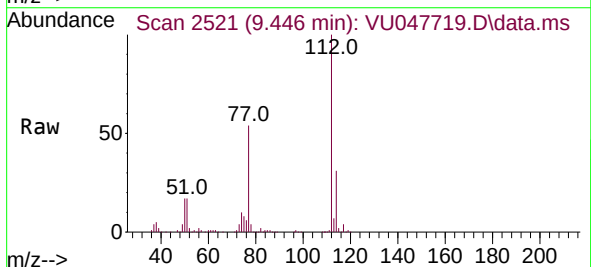
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

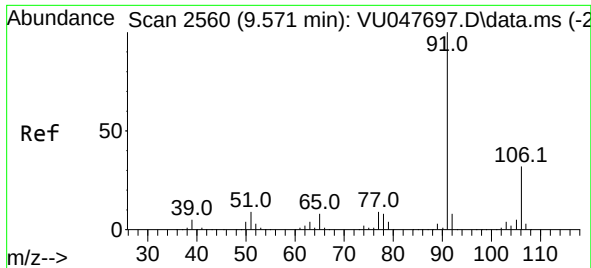
Tgt Ion:107 Resp: 161833
Ion Ratio Lower Upper
107 100
109 95.6 66.6 123.6
188 4.1 3.4 5.2



#51
Chlorobenzene
Concen: 54.438 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:112 Resp: 395950
Ion Ratio Lower Upper
112 100
114 31.2 22.1 41.1
77 54.5 43.4 65.0

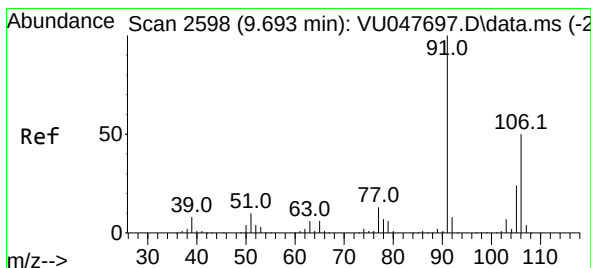
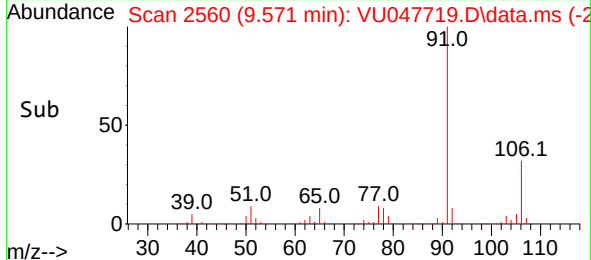
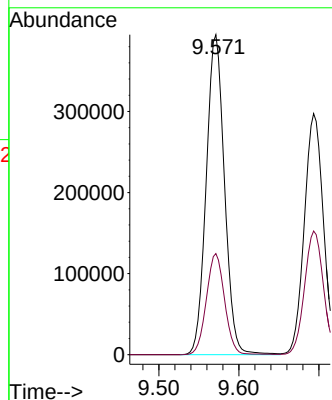
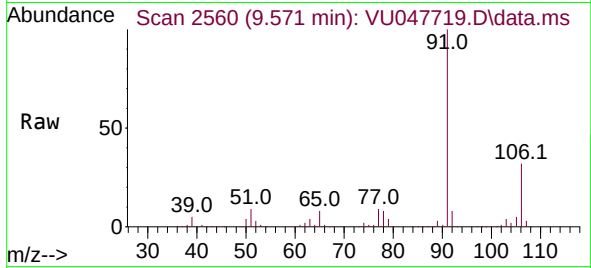




#52
Ethylbenzene
Concen: 55.745 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

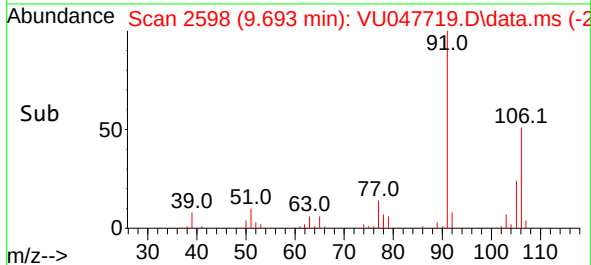
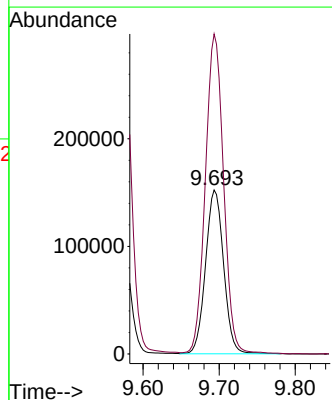
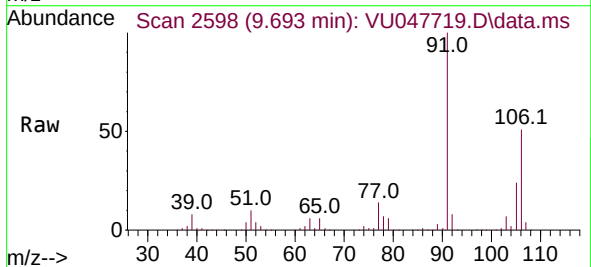
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

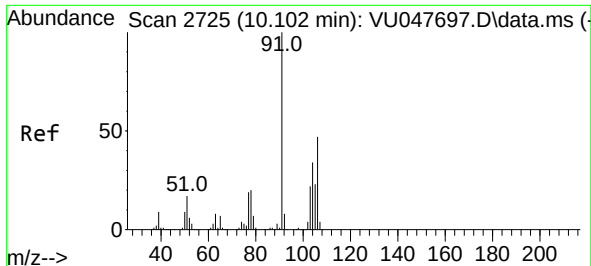
Tgt Ion: 91 Resp: 627889
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-Xylene
Concen: 56.868 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 106 Resp: 251331
Ion Ratio Lower Upper
106 100
91 195.0 137.7 255.7

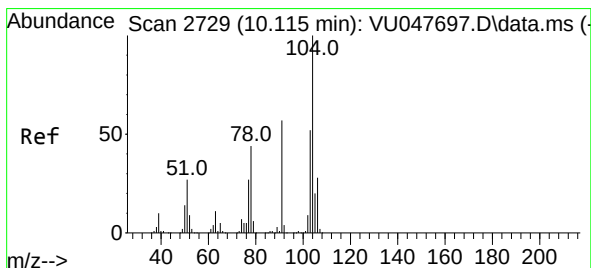
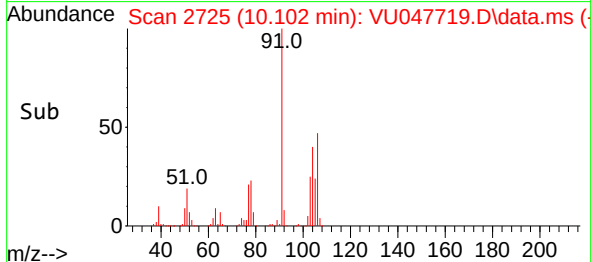
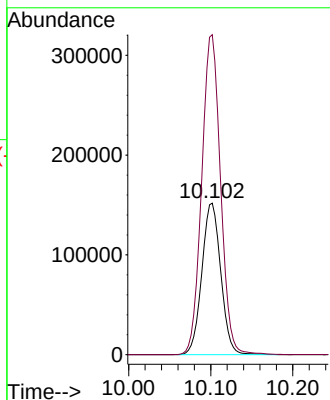
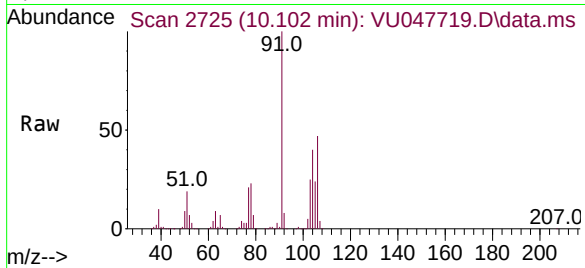




#54
o-Xylene
Concen: 56.060 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

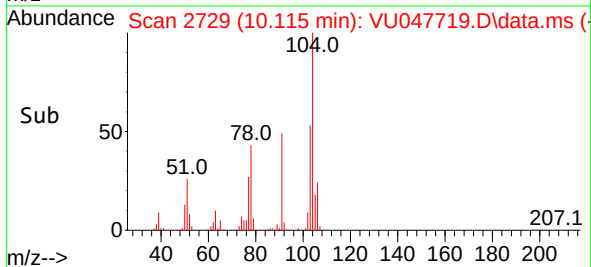
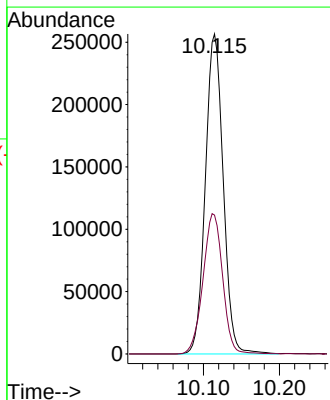
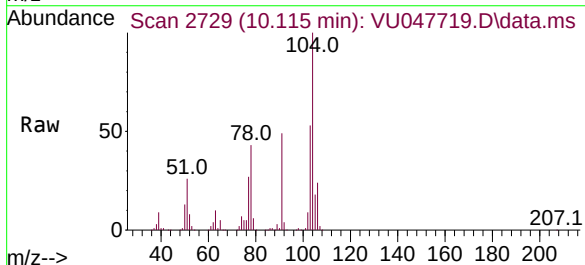
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

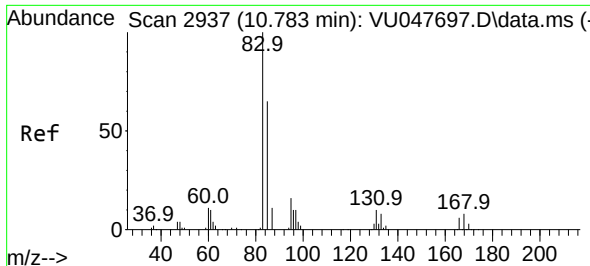
Tgt Ion:106 Resp: 243169
Ion Ratio Lower Upper
106 100
91 211.3 146.7 272.5



#55
Styrene
Concen: 56.542 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:104 Resp: 418734
Ion Ratio Lower Upper
104 100
78 43.4 30.4 56.4

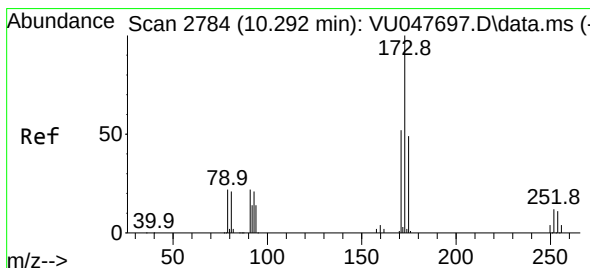
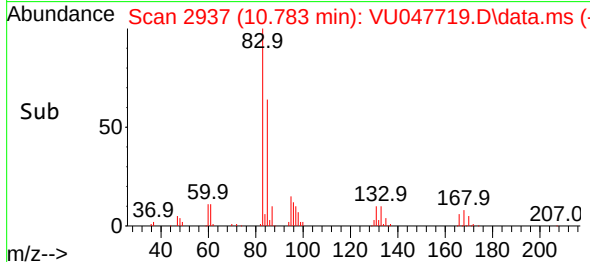
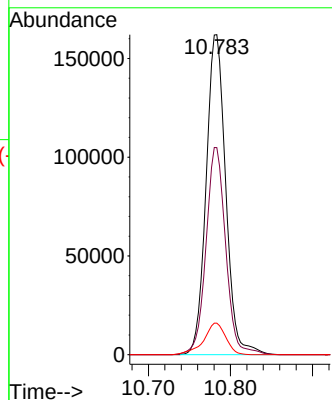
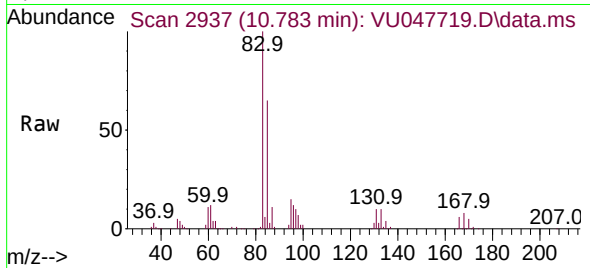




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.533 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

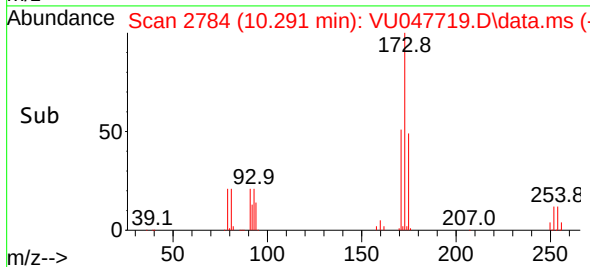
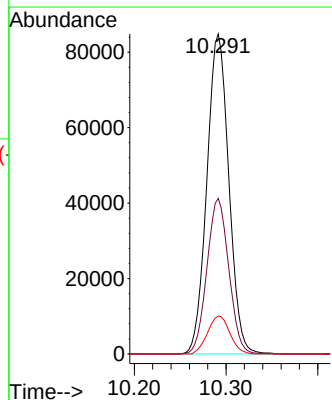
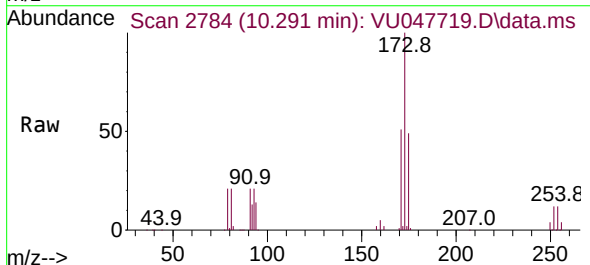
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

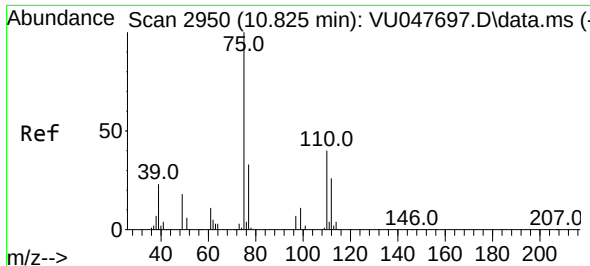
Tgt Ion: 83 Resp: 269100
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.9 83.3
 131 9.8 8.6 13.0



#59
 Bromoform
 Concen: 54.288 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

Tgt Ion: 173 Resp: 141008
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.7 58.1
 254 12.1 9.6 14.4

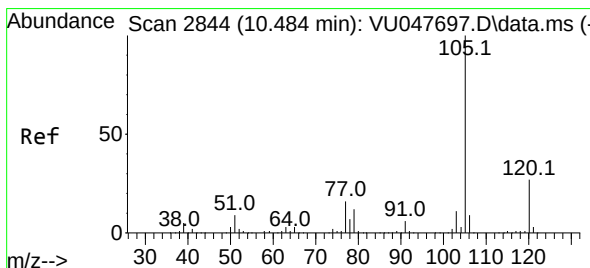
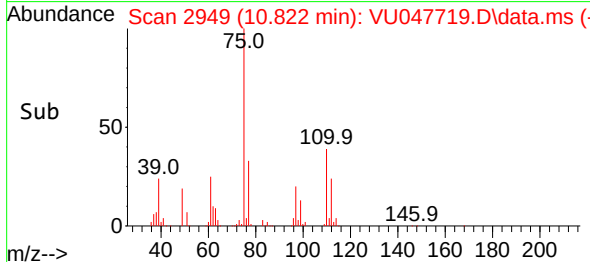
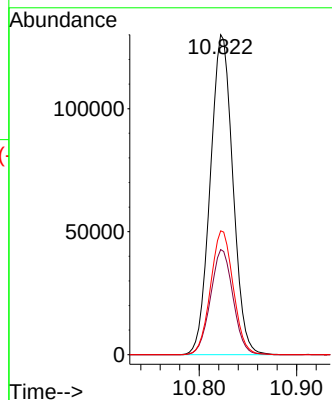
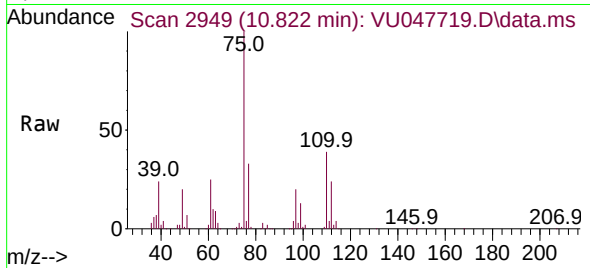




#60
1,2,3-Trichloropropane
Concen: 54.716 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

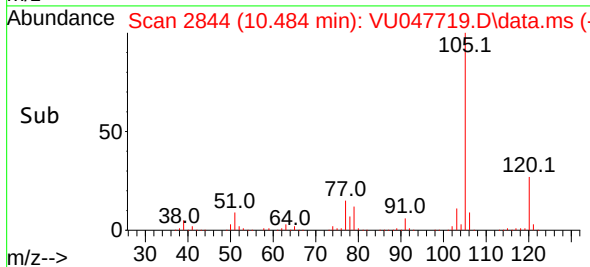
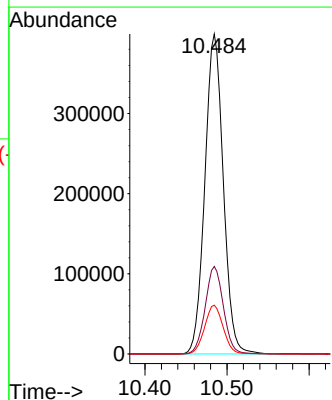
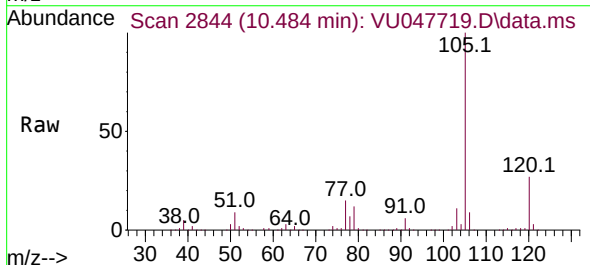
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

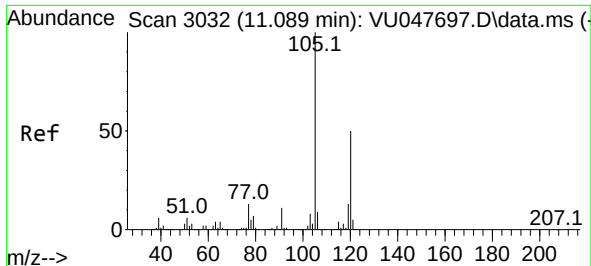
Tgt Ion: 75 Resp: 209521
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 39.0 31.4 47.2



#61
Isopropylbenzene
Concen: 56.825 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion: 105 Resp: 623817
Ion Ratio Lower Upper
105 100
120 27.1 21.9 32.9
77 15.4 12.1 18.1

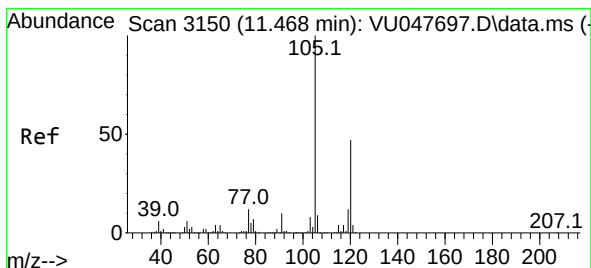
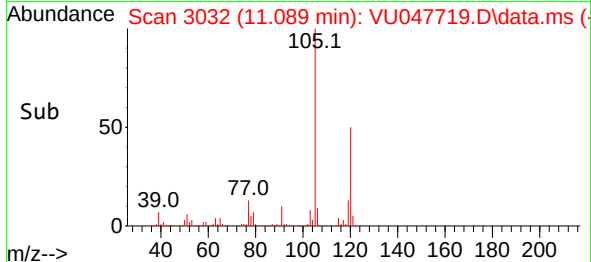
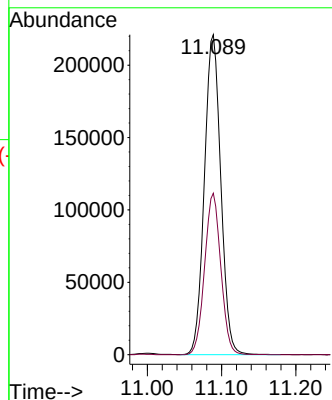
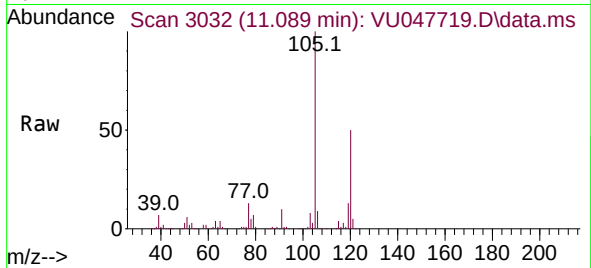




#62
 1,3,5-Trimethylbenzene
 Concen: 56.892 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

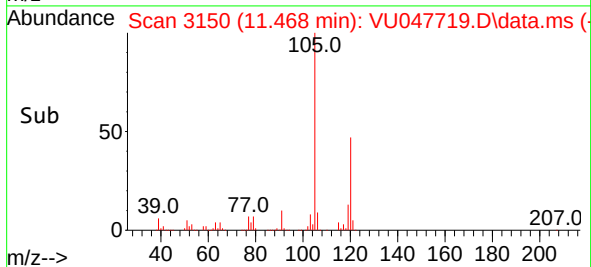
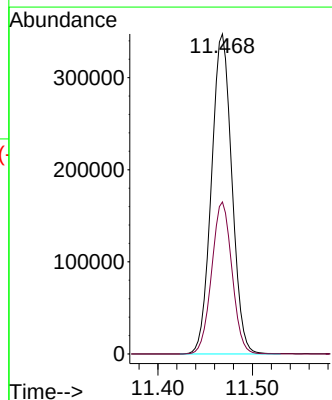
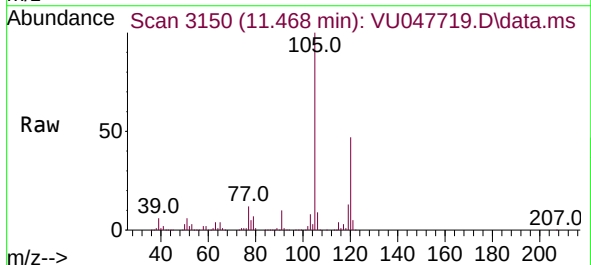
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

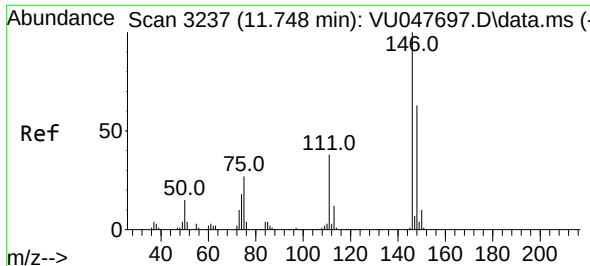
Tgt Ion:105 Resp: 338868
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 57.544 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

Tgt Ion:105 Resp: 520628
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.6 56.4

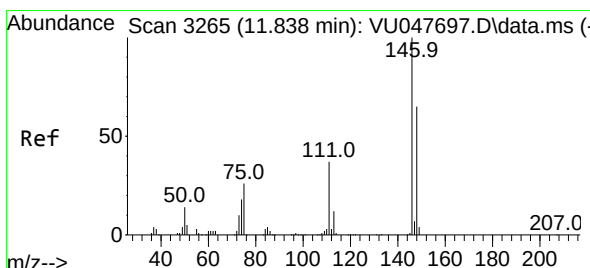
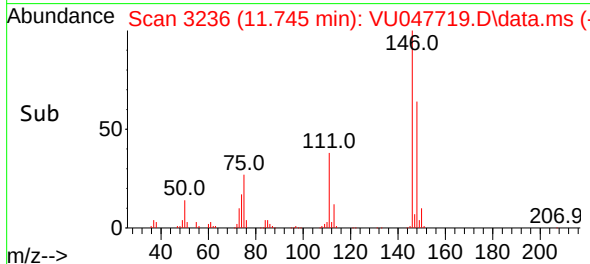
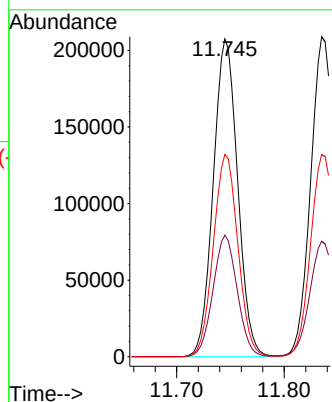
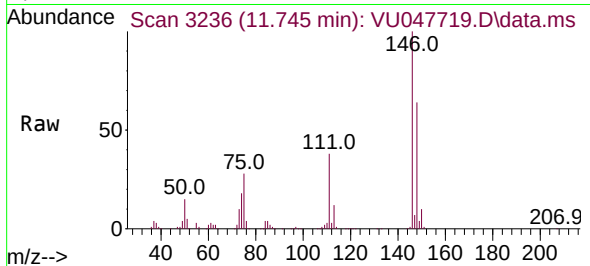




#64
1,3-Dichlorobenzene
Concen: 53.541 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

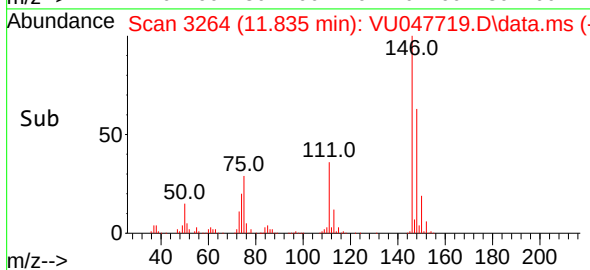
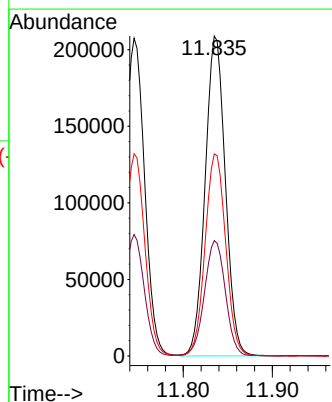
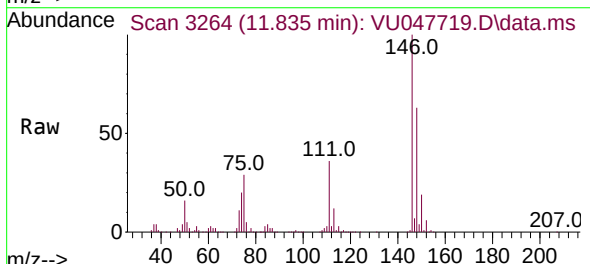
Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

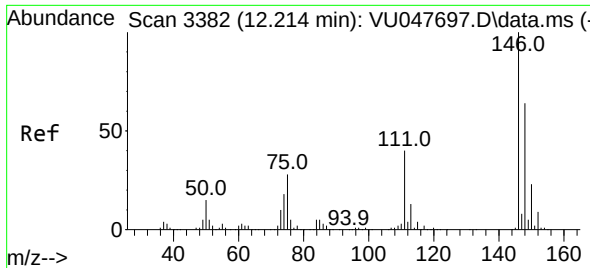
Tgt Ion:146 Resp: 326696
Ion Ratio Lower Upper
146 100
111 38.2 26.7 49.7
148 63.7 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 52.057 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:146 Resp: 329009
Ion Ratio Lower Upper
146 100
111 36.0 25.3 47.1
148 63.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 53.788 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050180

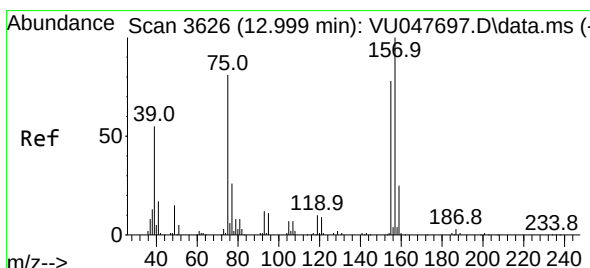
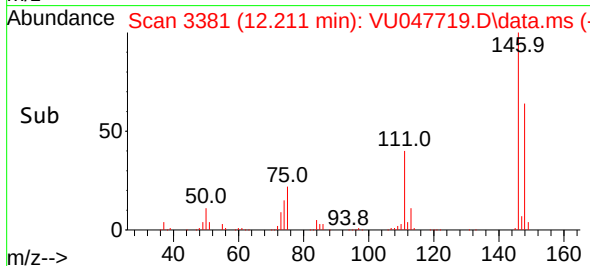
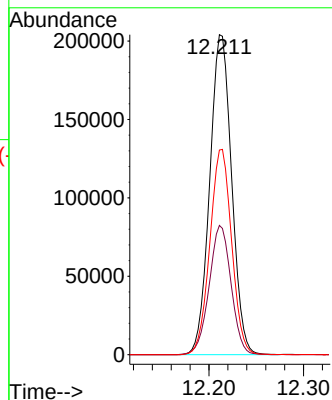
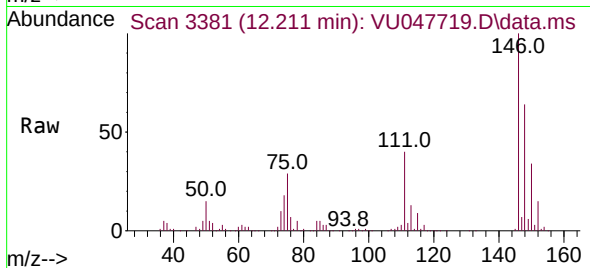
Tgt Ion:146 Resp: 328398

Ion Ratio Lower Upper

146 100

111 40.4 31.7 47.5

148 64.0 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 54.564 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU047719.D

Acq: 26 Mar 2022 19:07

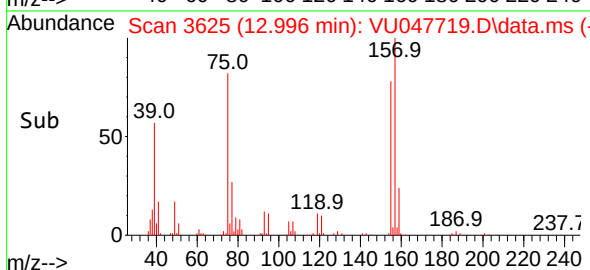
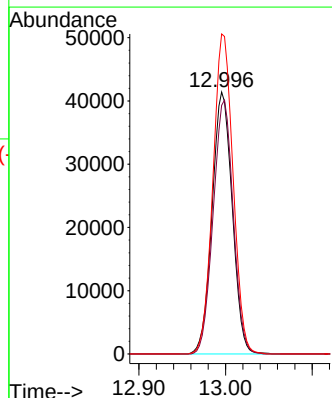
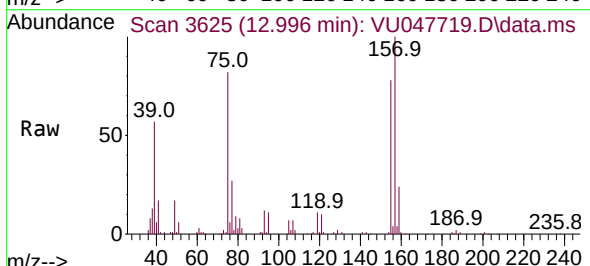
Tgt Ion: 75 Resp: 66928

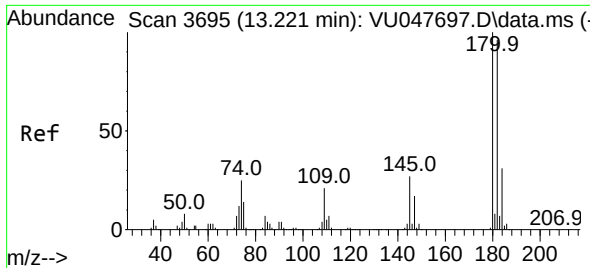
Ion Ratio Lower Upper

75 100

155 94.9 78.9 118.3

157 122.2 97.5 146.3

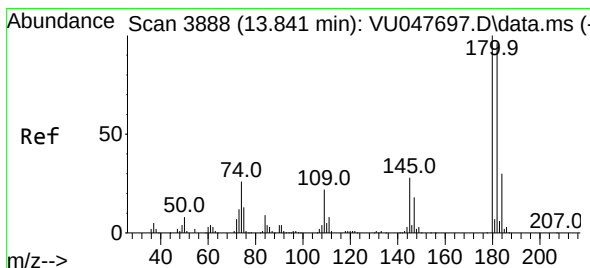
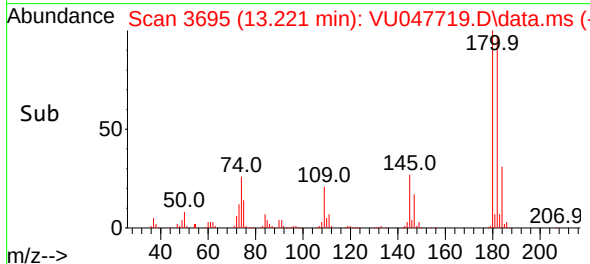
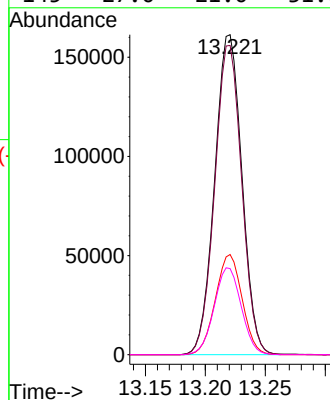
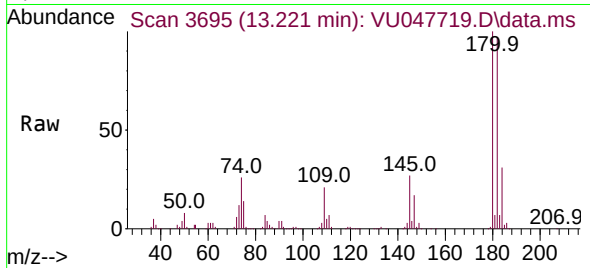




#69
 1,3,5-Trichlorobenzene
 Concen: 51.455 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

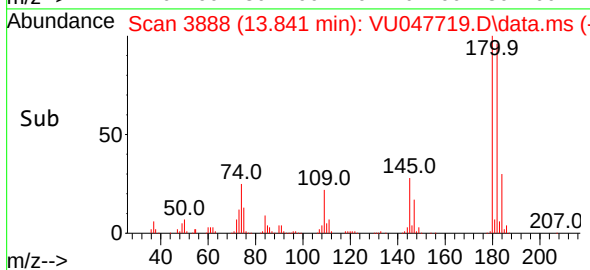
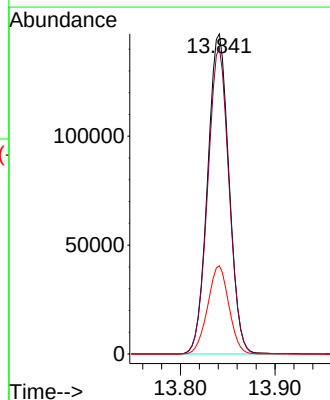
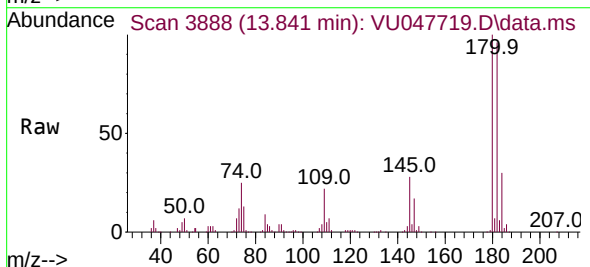
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

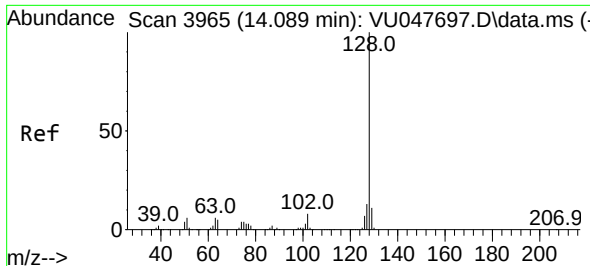
Tgt Ion:	180	Resp:	254986
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.0	115.6
184	30.8	24.5	36.7
145	27.0	21.0	31.6



#70
 1,2,4-trichlorobenzene
 Concen: 53.141 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047719.D
 Acq: 26 Mar 2022 19:07

Tgt Ion:	180	Resp:	230661
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.2	114.2
145	27.4	21.8	32.8

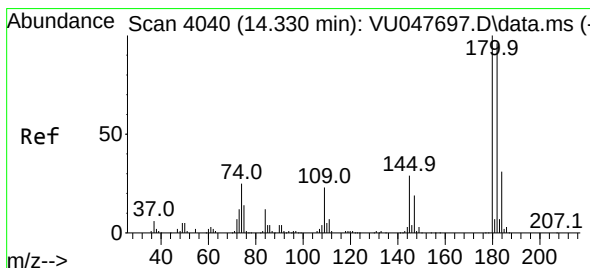
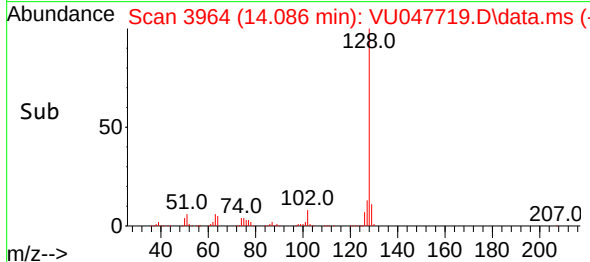
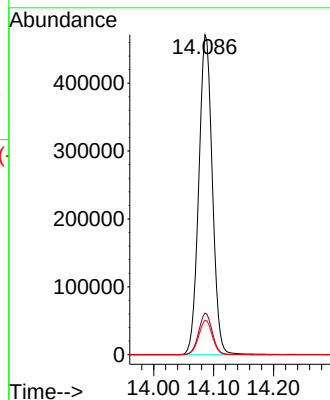
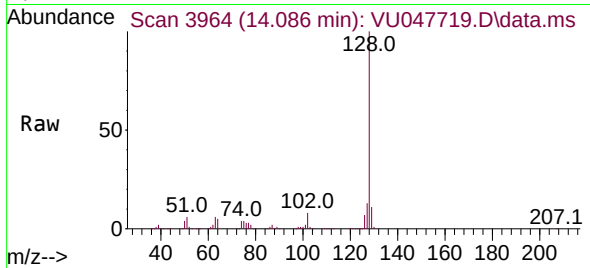




#71
Naphthalene
Concen: 57.417 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050180

Tgt Ion:128 Resp: 743024
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 54.644 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047719.D
Acq: 26 Mar 2022 19:07

Tgt Ion:180 Resp: 237772
Ion Ratio Lower Upper
180 100
182 96.2 77.4 116.0
145 29.9 22.8 34.2

