

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047695.D
 Acq On : 26 Mar 2022 00:05
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

Quant Time: Mar 26 04:25:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	305127	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	317514	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	184612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	102960	46.532	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.060%
7) Chloroethane-d5	1.916	69	94912	54.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.572	63	196981	48.658	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.320%
21) 2-Butanone-d5	4.633	46	223135	117.490	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.490%
24) Chloroform-d	5.067	84	214504	52.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.960%
26) 1,2-Dichloroethane-d4	5.703	65	133830	53.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.800%
32) Benzene-d6	5.729	84	421315	52.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.460%
36) 1,2-Dichloropropane-d6	6.694	67	131819	53.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.440%
41) Toluene-d8	7.899	98	398537	51.198	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.179	79	62990	50.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.340%
47) 2-Hexanone-d5	8.632	63	170614	118.781	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.780%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225843	53.633	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.260%
66) 1,2-Dichlorobenzene-d4	12.192	152	175425	53.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	128985	45.597	ug/L	99
3) Chloromethane	1.523	50	139939	51.727	ug/L	100
5) Vinyl chloride	1.607	62	137407	49.801	ug/L	97
6) Bromomethane	1.861	94	83868	56.475	ug/L	98
8) Chloroethane	1.938	64	92786	53.570	ug/L	99
9) Trichlorofluoromethane	2.141	101	179008	46.009	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	97133	43.190	ug/L	99
12) 1,1-Dichloroethene	2.584	96	104048	49.711	ug/L	91
13) Acetone	2.646	43	147629	83.530	ug/L	99
14) Carbon disulfide	2.800	76	314891	47.596	ug/L	99
15) Methyl Acetate	2.954	43	152383	54.070	ug/L	100
16) Methylene chloride	3.051	84	128124	53.345	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	113841	50.427	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	354466	55.654	ug/L	100
19) 1,1-Dichloroethane	3.874	63	213268	54.776	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	134510	54.348	ug/L	96
22) 2-Butanone	4.713	43	231972	101.891	ug/L	99
23) Bromochloromethane	4.977	128	73469	54.066	ug/L	98
25) Chloroform	5.092	83	224465	53.548	ug/L	100

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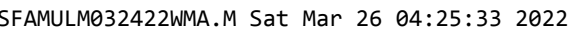
Instrument :
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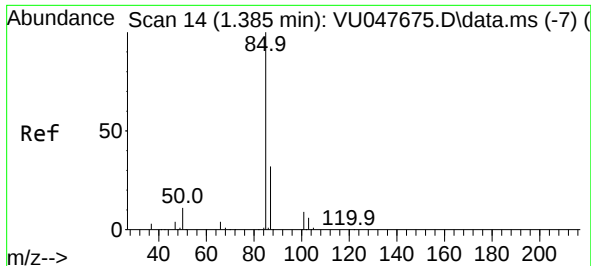
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	174969	54.027	ug/L	99
29) Cyclohexane	5.391	56	163446	50.730	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	194188	53.937	ug/L	99
31) Carbon tetrachloride	5.526	117	167779	51.608	ug/L	100
33) Benzene	5.777	78	497723	54.156	ug/L	100
34) Trichloroethene	6.542	95	122350	50.779	ug/L	99
35) Methylcyclohexane	6.764	83	158278	43.179	ug/L	99
37) 1,2-Dichloropropane	6.793	63	128853	55.151	ug/L	100
38) Bromodichloromethane	7.105	83	174691	54.449	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	195590	53.953	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	415776	112.597	ug/L	98
42) Toluene	7.970	91	542729	53.820	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	195171	53.921	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	132513	53.479	ug/L	99
46) Tetrachloroethene	8.552	164	97519	45.038	ug/L	99
48) 2-Hexanone	8.687	43	351268	110.589	ug/L	99
49) Dibromochloromethane	8.809	129	153473	53.476	ug/L	100
50) 1,2-Dibromoethane	8.925	107	149637	53.867	ug/L	100
51) Chlorobenzene	9.446	112	352468	51.477	ug/L	99
52) Ethylbenzene	9.571	91	547976	51.680	ug/L	99
53) m,p-Xylene	9.693	106	214965	51.668	ug/L	99
54) o-Xylene	10.099	106	219015	53.636	ug/L	100
55) Styrene	10.115	104	376737	54.039	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	250286	53.879	ug/L	99
59) Bromoform	10.291	173	129050	54.667	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	196724	56.526	ug/L	98
61) Isopropylbenzene	10.484	105	538445	53.967	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	284655	52.583	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	440311	53.547	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	277877	50.108	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	279402	48.641	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	289985	52.260	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	61344	55.027	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	198098	43.984	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	184629	46.802	ug/L	100
71) Naphthalene	14.086	128	673912	57.298	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	202256	51.143	ug/L	99

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

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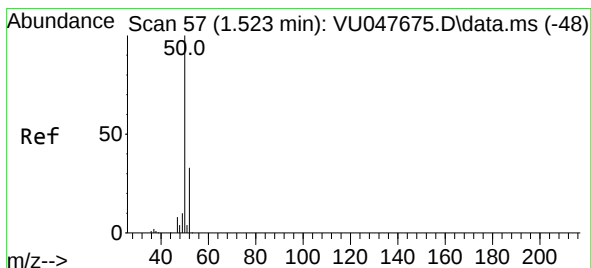
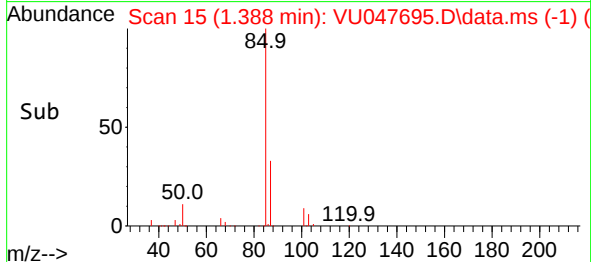
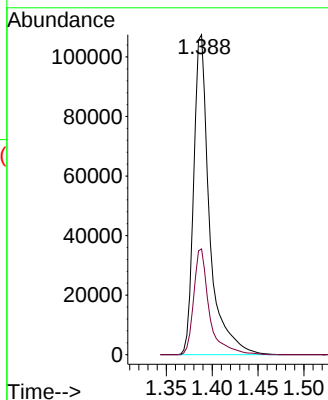
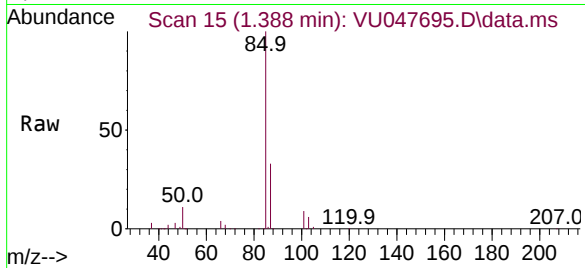




#2
Dichlorodifluoromethane
Concen: 45.597 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

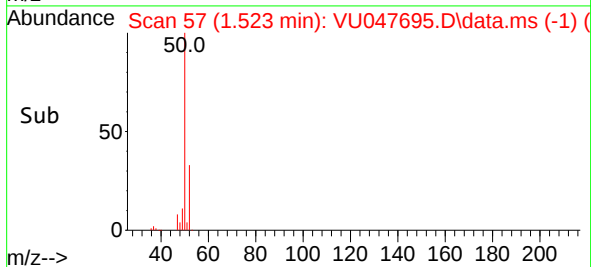
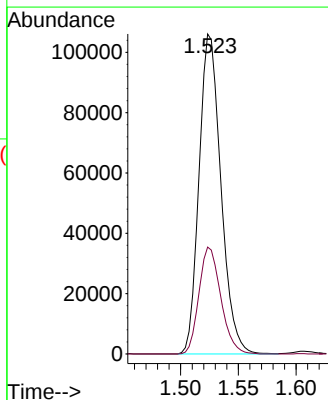
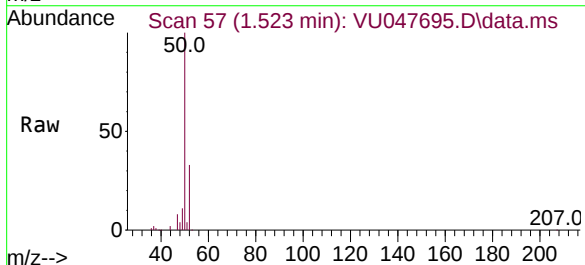
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

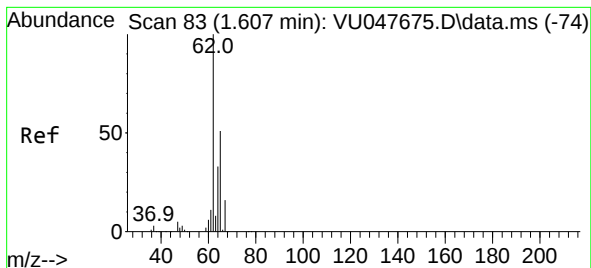
Tgt Ion: 85 Resp: 128985
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.8



#3
Chloromethane
Concen: 51.727 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 50 Resp: 139939
Ion Ratio Lower Upper
50 100
52 33.4 23.2 43.2





#5

Vinyl chloride

Concen: 49.801 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

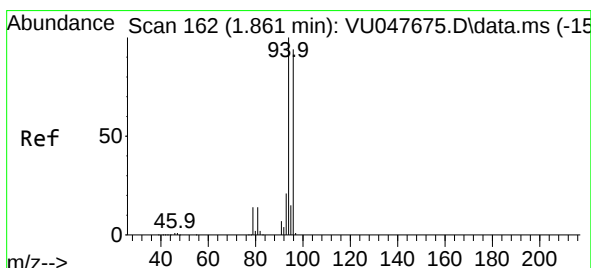
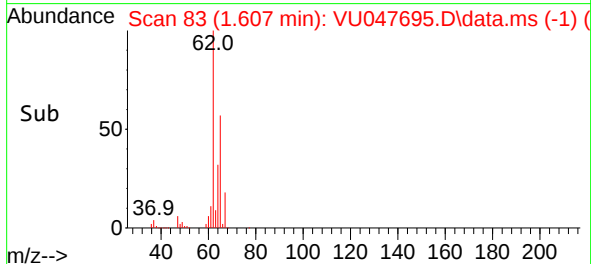
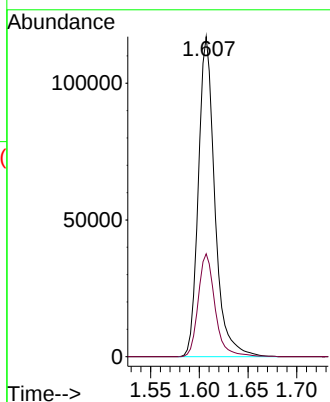
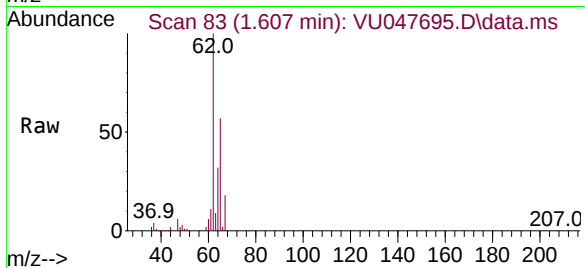
VSTD050178

Tgt Ion: 62 Resp: 137407

Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



#6

Bromomethane

Concen: 56.475 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.000 min

Lab File: VU047695.D

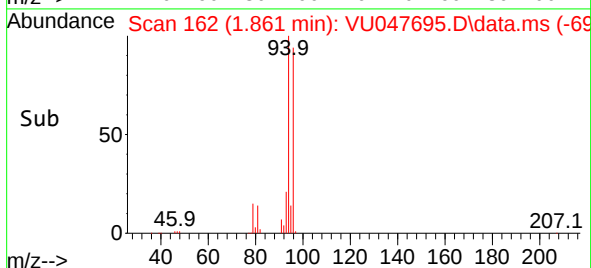
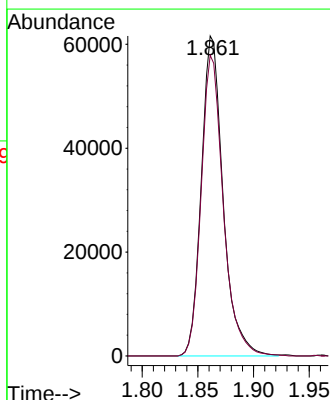
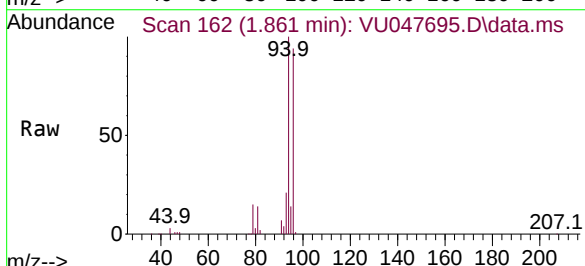
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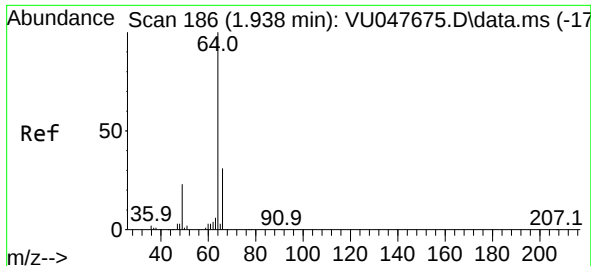
Tgt Ion: 94 Resp: 83868

Ion Ratio Lower Upper

94 100

96 94.0 64.8 120.3

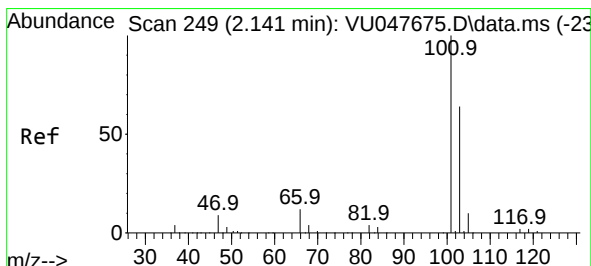
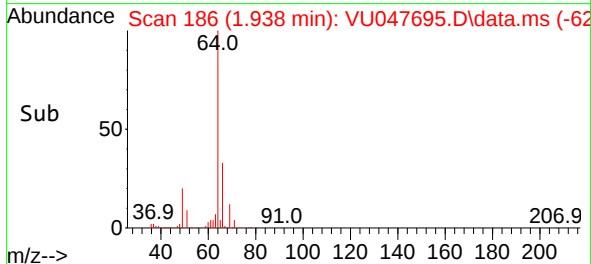
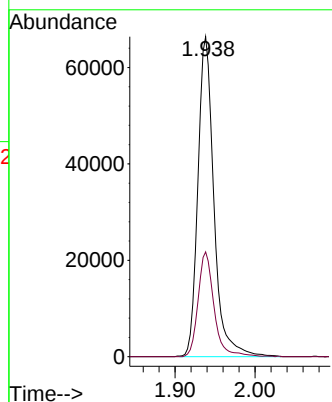
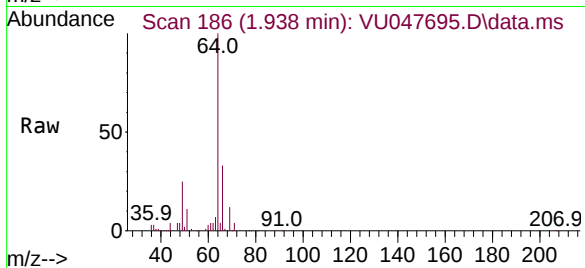




#8
Chloroethane
Concen: 53.570 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

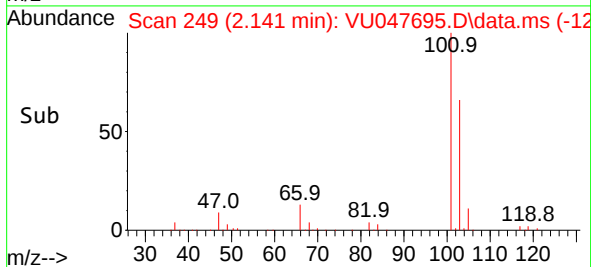
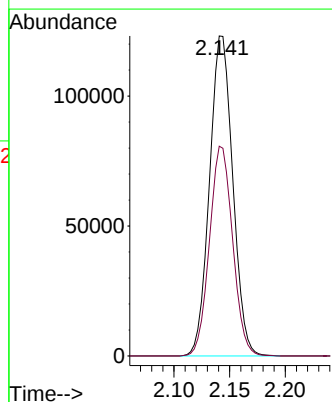
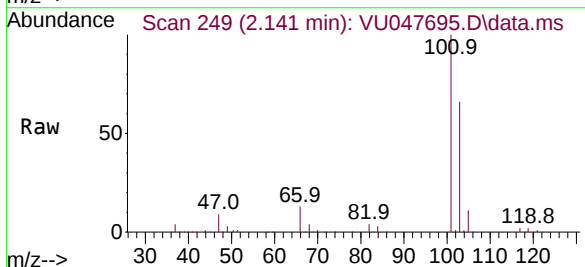
Instrument :
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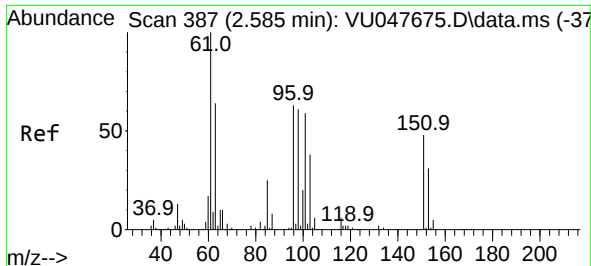
Tgt Ion: 64 Resp: 92786
Ion Ratio Lower Upper
64 100
66 32.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.009 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion:101 Resp: 179008
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2





#10

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

Concen: 43.190 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

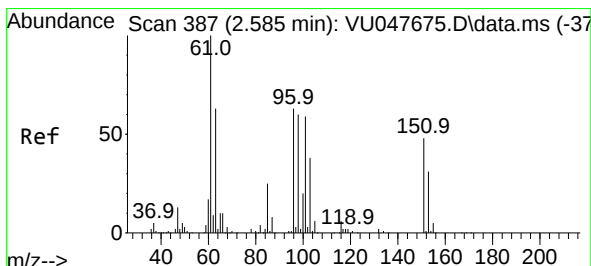
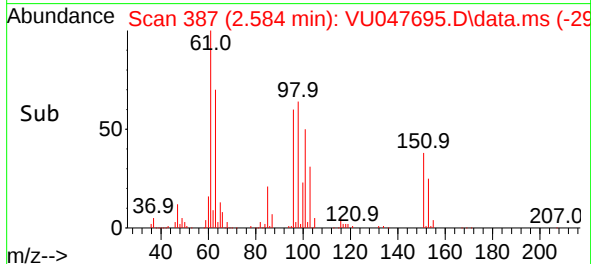
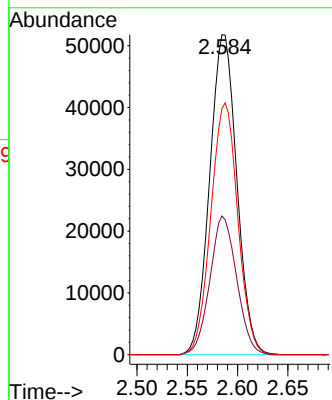
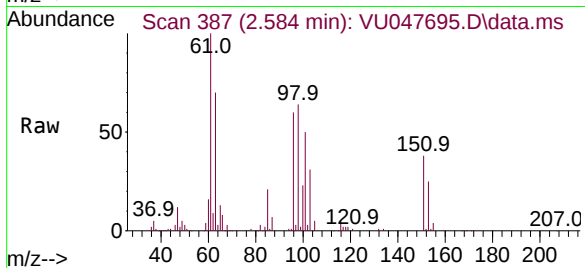
Tgt Ion:101 Resp: 97133

Ion Ratio Lower Upper

101 100

85 42.7 32.8 49.2

151 78.3 63.0 94.6



#12

1,1-Dichloroethene

Concen: 49.711 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

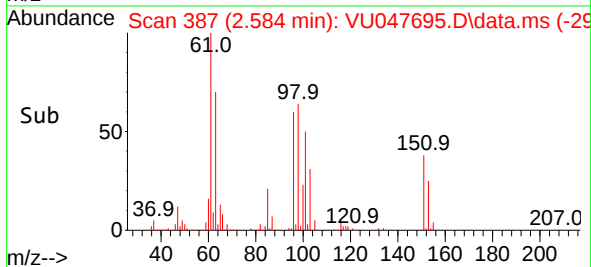
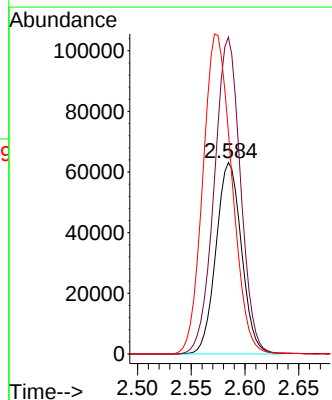
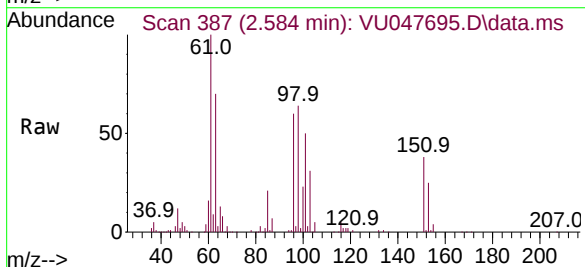
Tgt Ion: 96 Resp: 104048

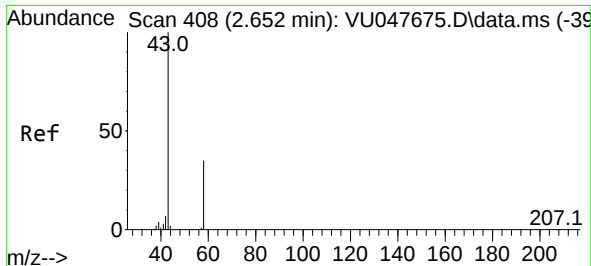
Ion Ratio Lower Upper

96 100

61 165.5 113.1 210.1

63 116.4 94.8 176.0





#13

Acetone

Concen: 83.530 ug/L

RT: 2.646 min Scan# 408

Delta R.T. -0.007 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

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ClientSampleId :

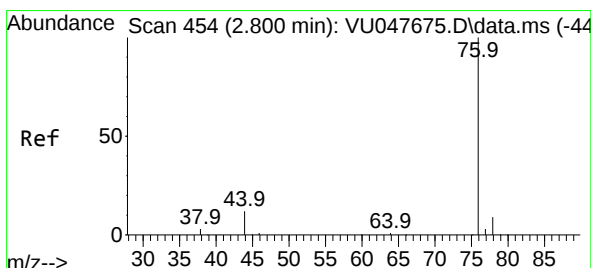
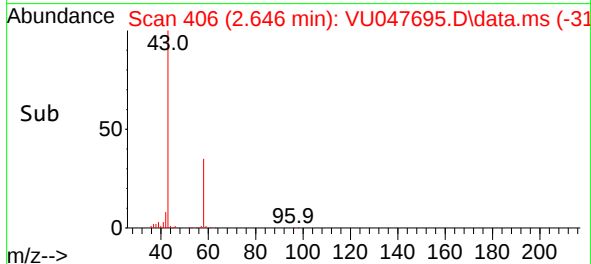
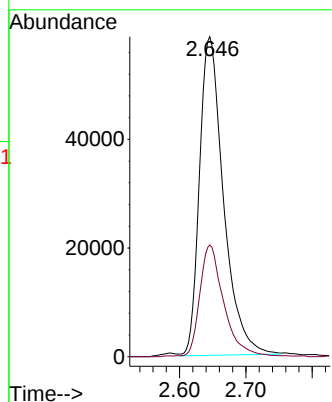
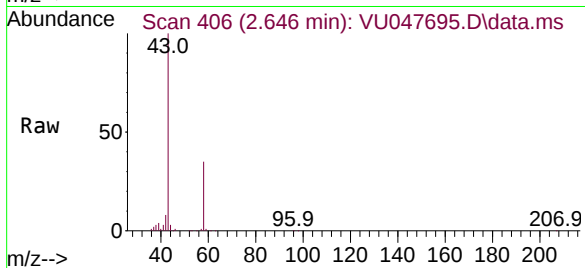
VSTD050178

Tgt Ion: 43 Resp: 147629

Ion Ratio Lower Upper

43 100

58 34.3 0.0 70.0



#14

Carbon disulfide

Concen: 47.596 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047695.D

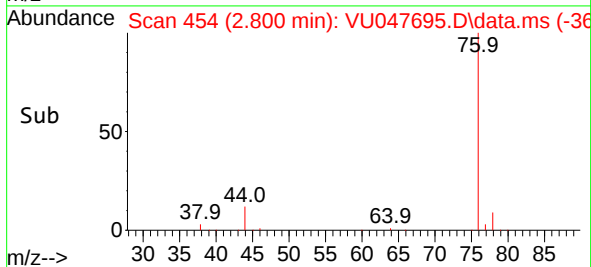
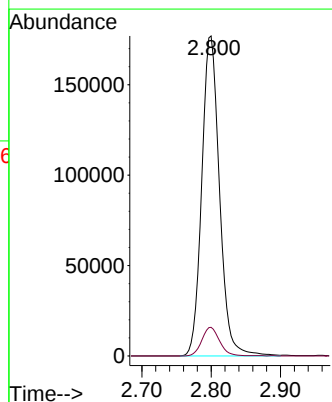
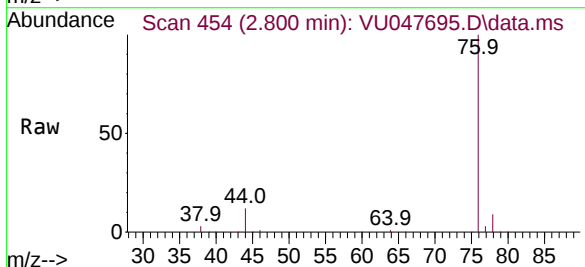
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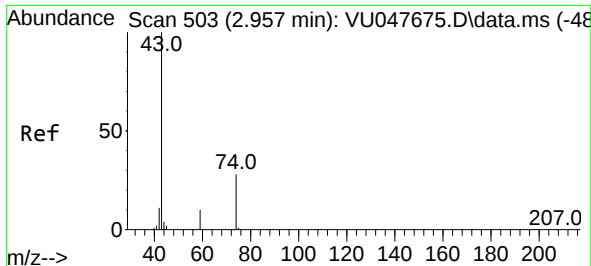
Tgt Ion: 76 Resp: 314891

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

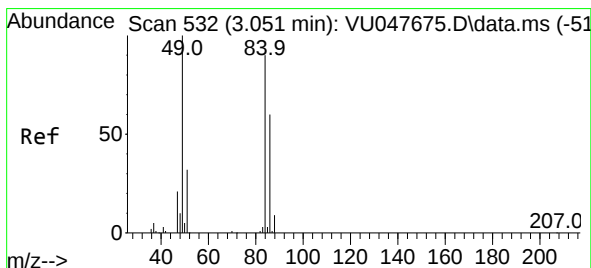
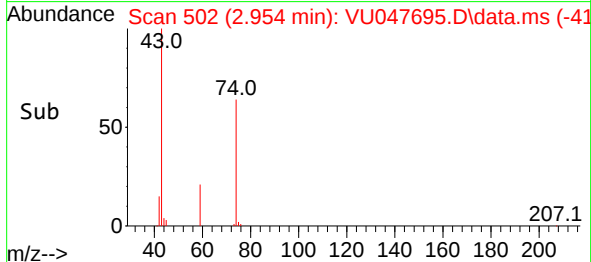
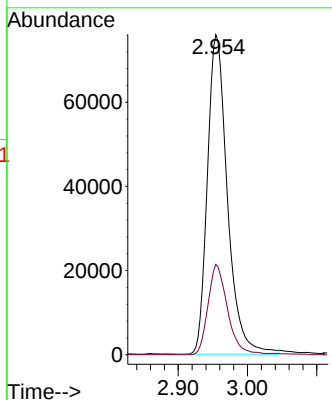
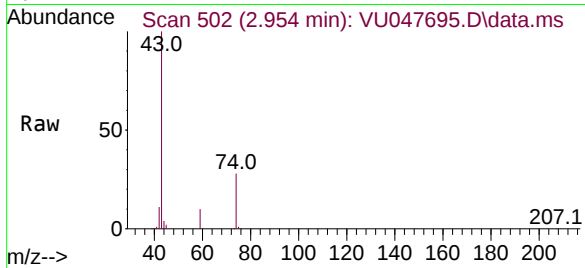




#15
Methyl Acetate
Concen: 54.070 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

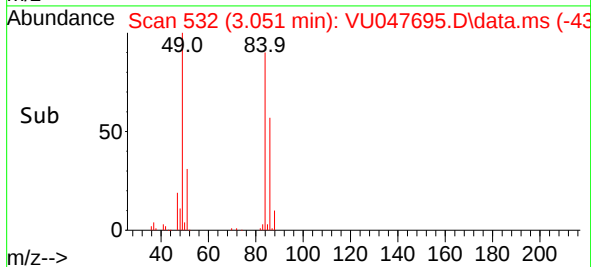
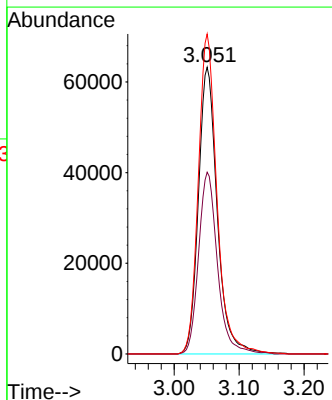
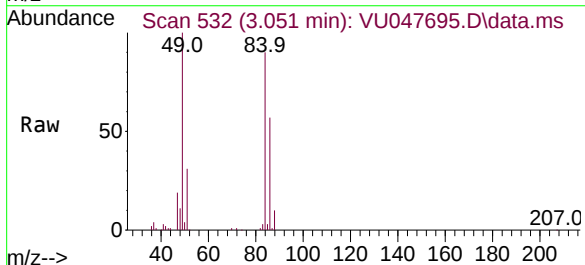
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

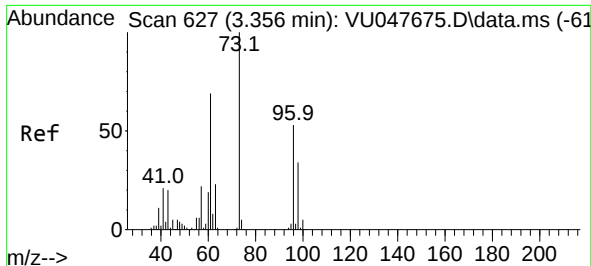
Tgt Ion: 43 Resp: 152383
Ion Ratio Lower Upper
43 100
74 27.5 22.2 33.2



#16
Methylene chloride
Concen: 53.345 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 84 Resp: 128124
Ion Ratio Lower Upper
84 100
86 63.4 46.0 85.4
49 111.6 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 50.427 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

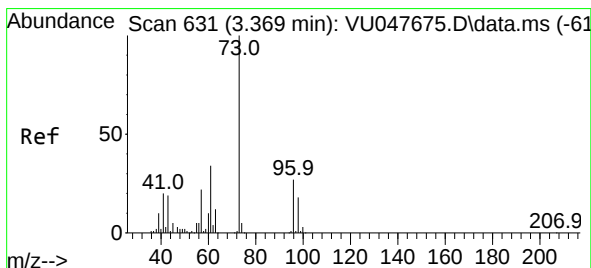
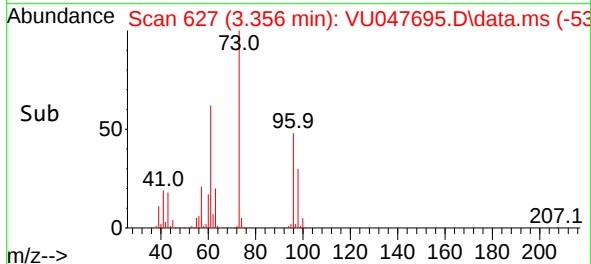
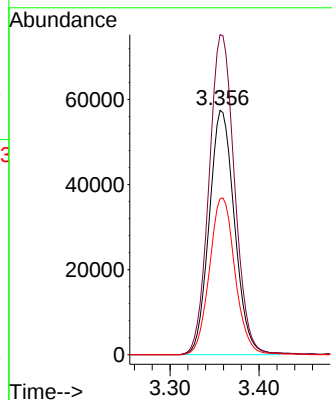
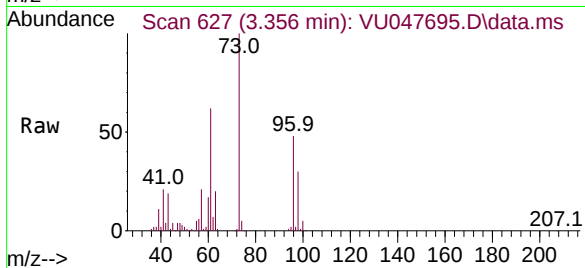
Tgt Ion: 96 Resp: 113841

Ion Ratio Lower Upper

96 100

61 130.9 88.4 164.2

98 63.8 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 55.654 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

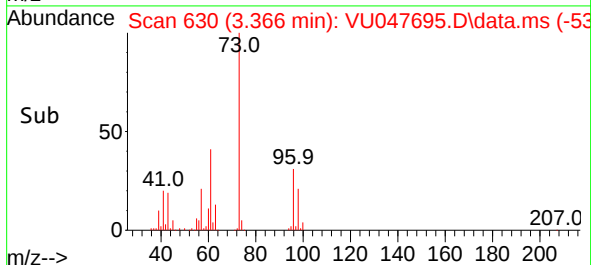
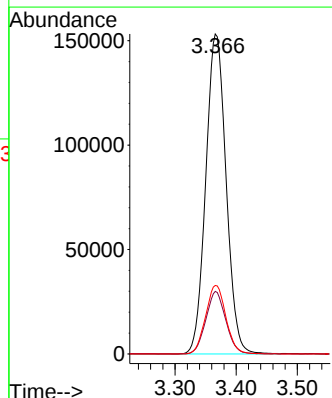
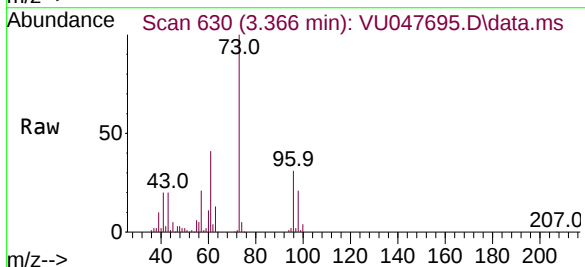
Tgt Ion: 73 Resp: 354466

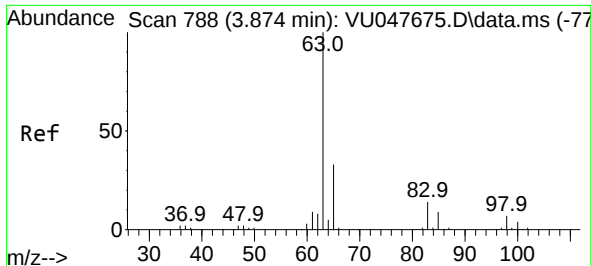
Ion Ratio Lower Upper

73 100

43 18.9 15.3 22.9

57 21.4 17.0 25.6





#19

1,1-Dichloroethane

Concen: 54.776 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

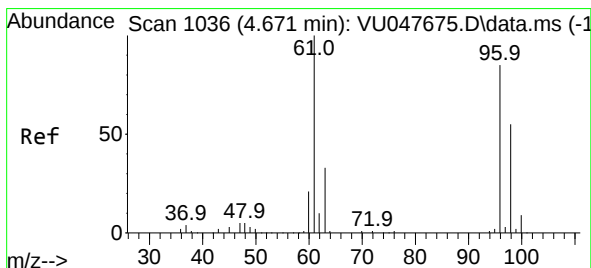
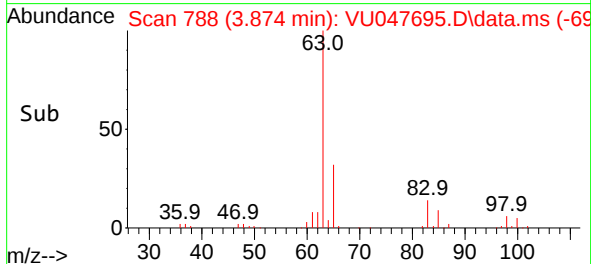
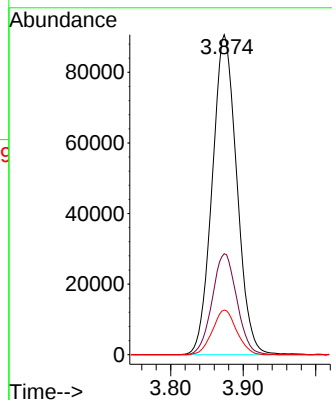
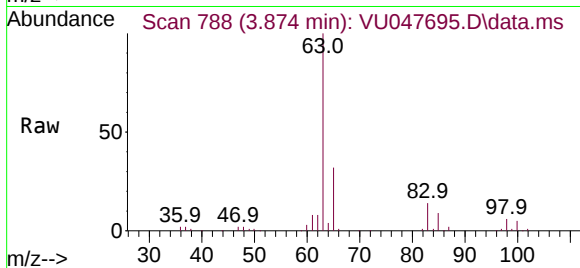
Tgt Ion: 63 Resp: 213268

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 54.348 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

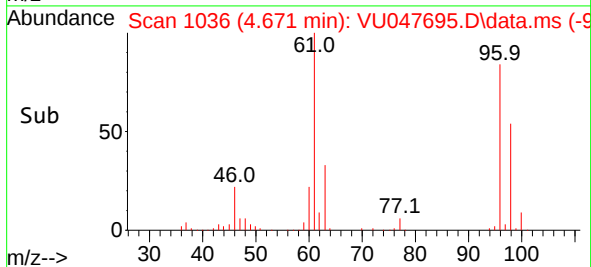
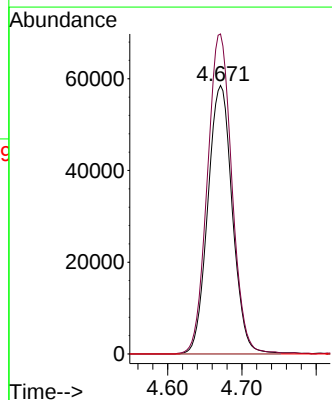
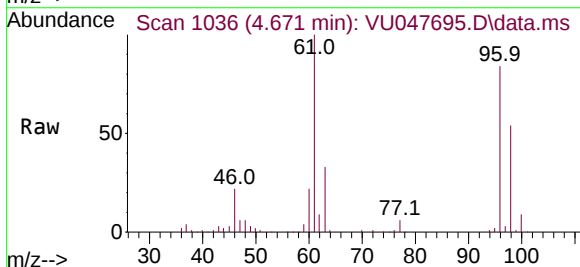
Tgt Ion: 96 Resp: 134510

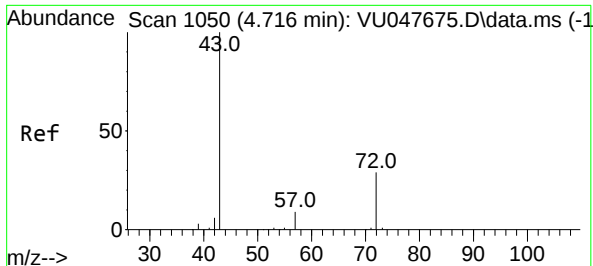
Ion Ratio Lower Upper

96 100

61 119.2 80.7 149.9

68 0.0 0.0 0.0

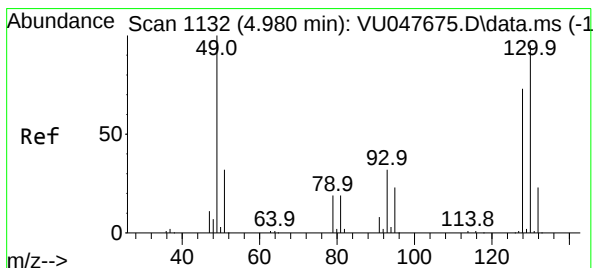
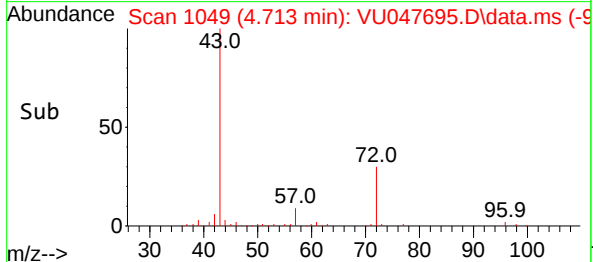
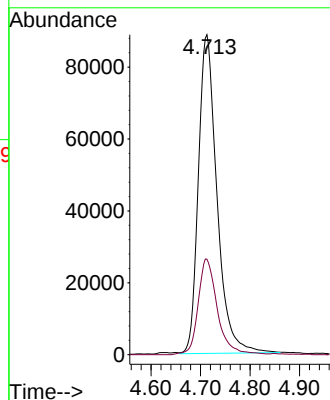
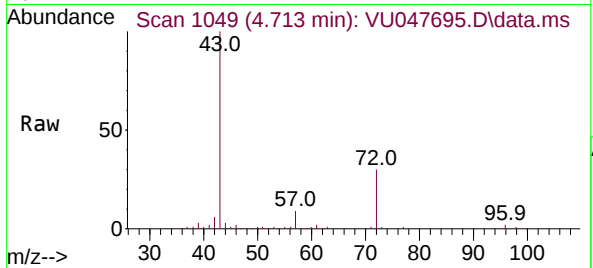




#22
2-Butanone
Concen: 101.891 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

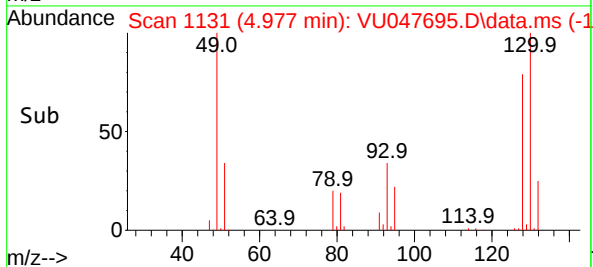
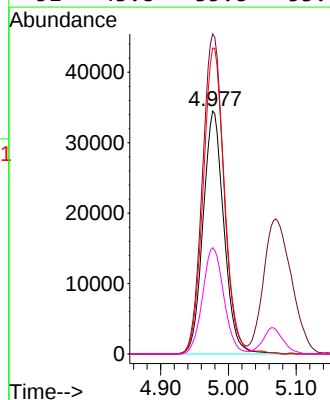
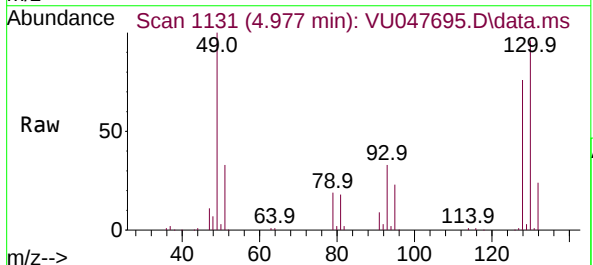
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

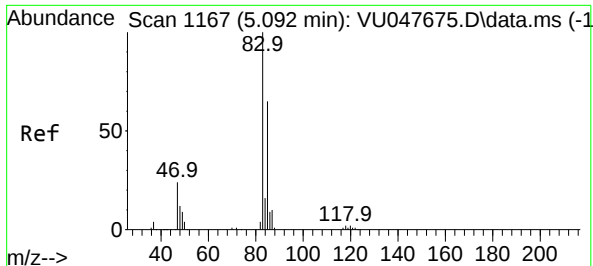
Tgt Ion: 43 Resp: 231972
Ion Ratio Lower Upper
43 100
72 31.1 16.0 47.9



#23
Bromochloromethane
Concen: 54.066 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion:128 Resp: 73469
Ion Ratio Lower Upper
128 100
49 131.8 94.1 174.8
130 126.0 90.2 167.4
51 43.8 35.8 53.6





#25

Chloroform

Concen: 53.548 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

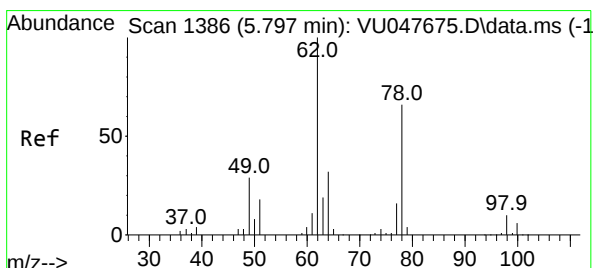
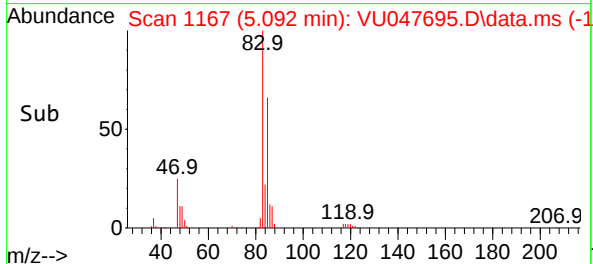
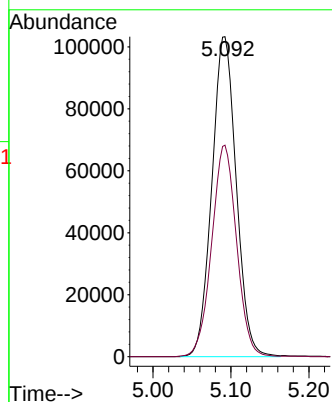
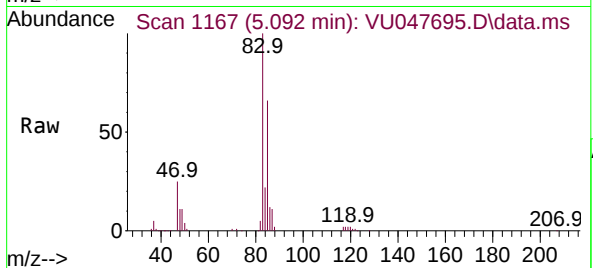
VSTD050178

Tgt Ion: 83 Resp: 224465

Ion Ratio Lower Upper

83 100

85 66.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 54.027 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047695.D

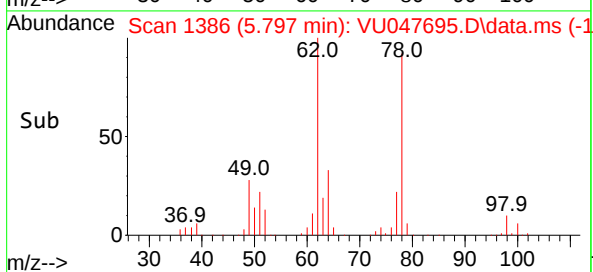
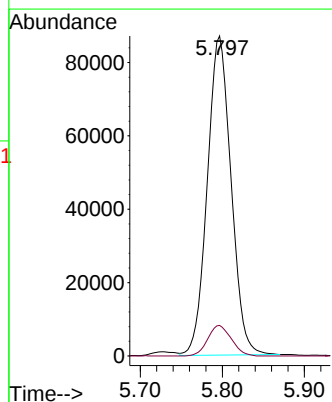
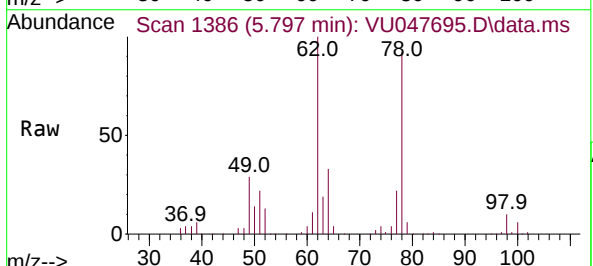
Acq: 26 Mar 2022 00:05

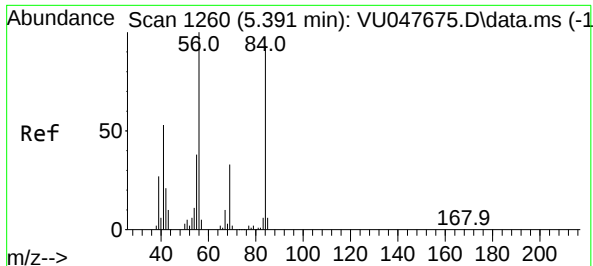
Tgt Ion: 62 Resp: 174969

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0





#29

Cyclohexane

Concen: 50.730 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

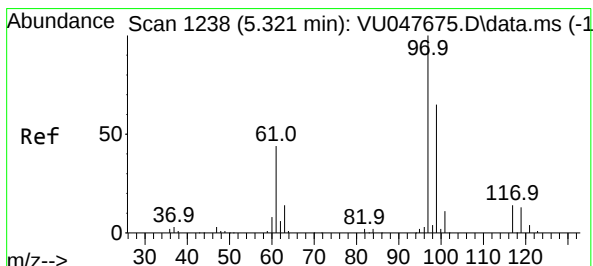
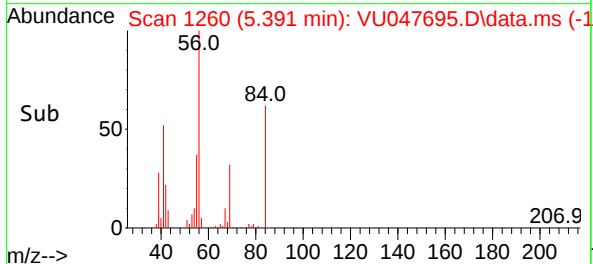
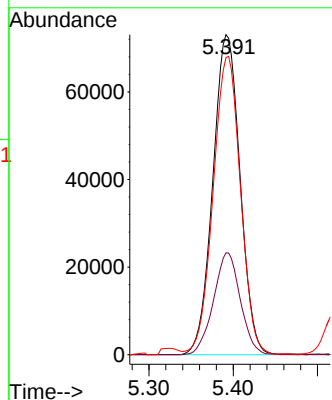
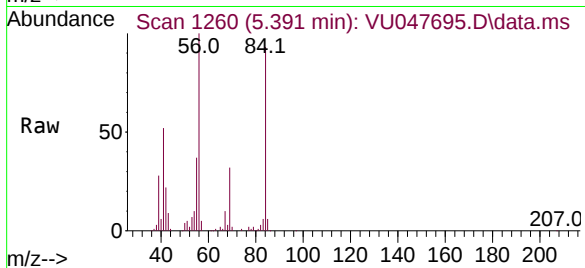
Tgt Ion: 56 Resp: 163446

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 93.2 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 53.937 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

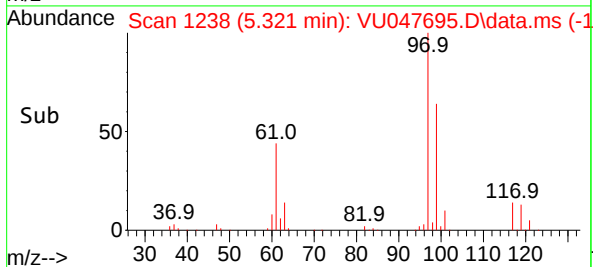
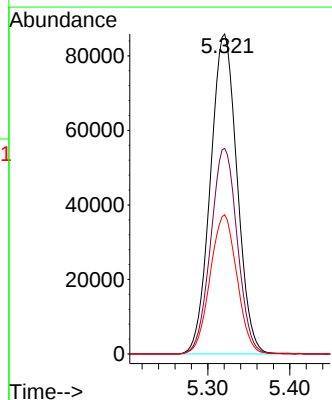
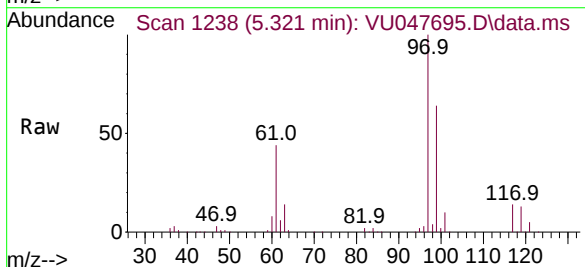
Tgt Ion: 97 Resp: 194188

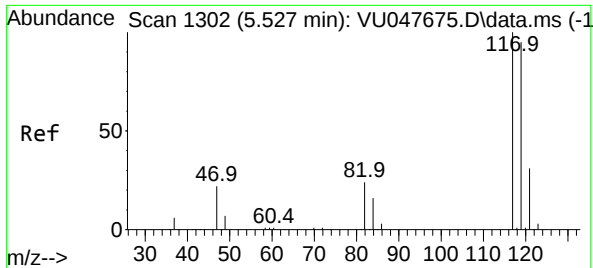
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 43.8 34.2 51.4

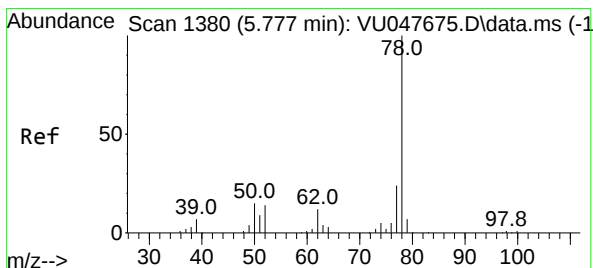
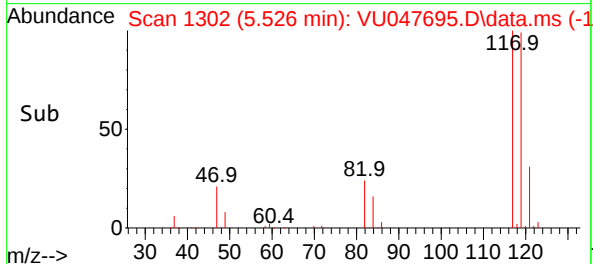
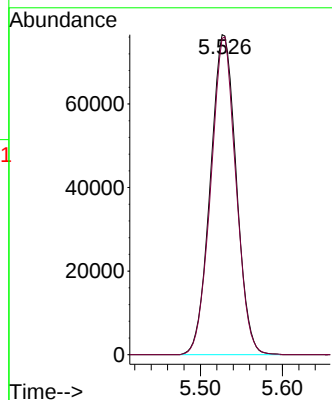
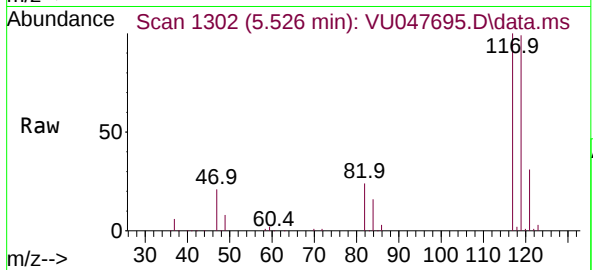




#31
Carbon tetrachloride
Concen: 51.608 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

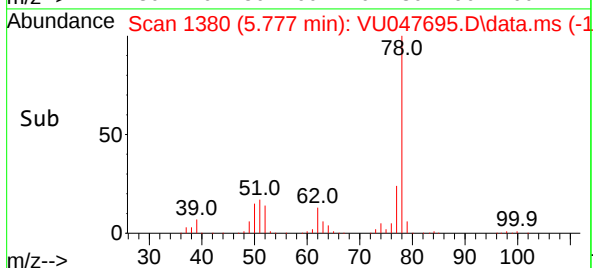
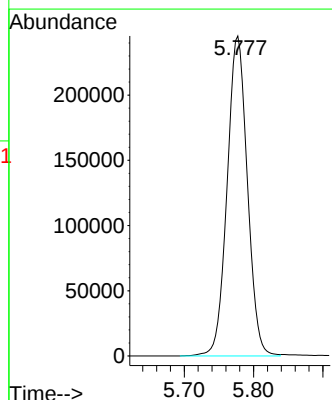
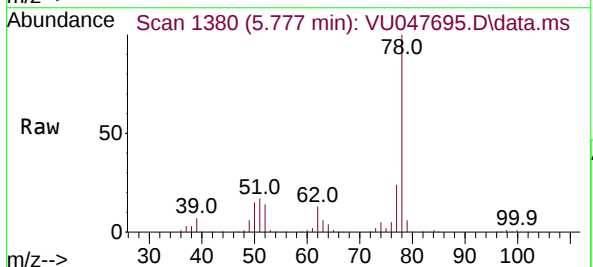
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

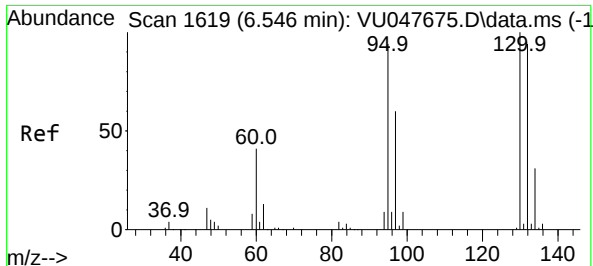
Tgt Ion:117 Resp: 167779
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8



#33
Benzene
Concen: 54.156 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 78 Resp: 497723

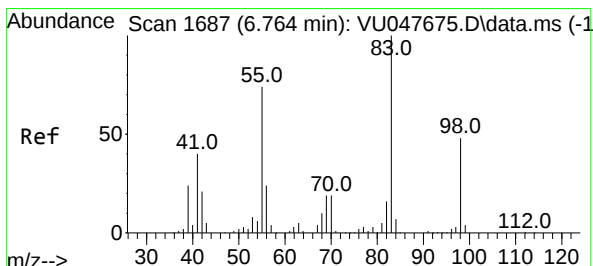
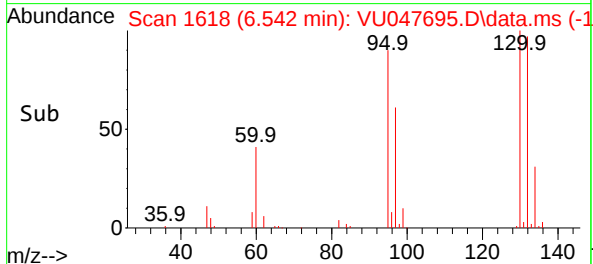
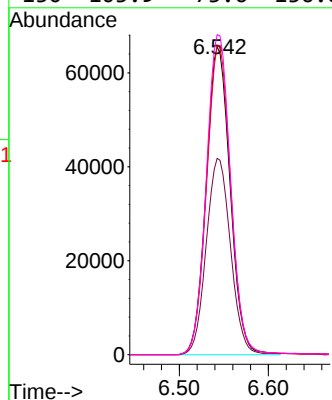
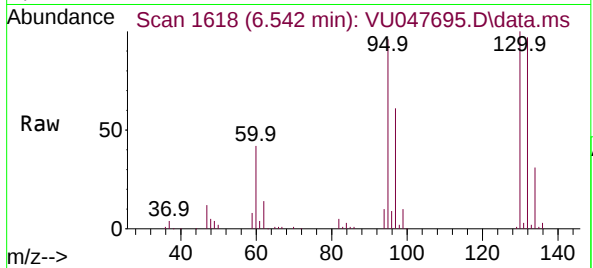




#34
Trichloroethene
Concen: 50.779 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

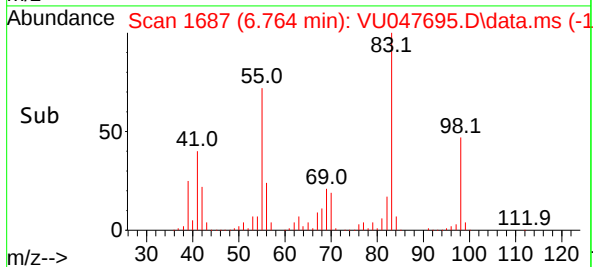
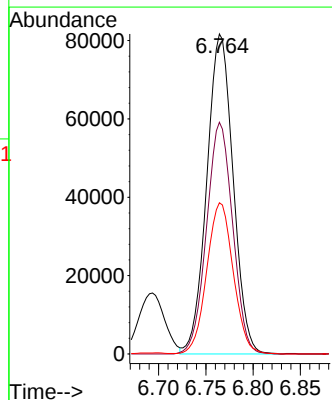
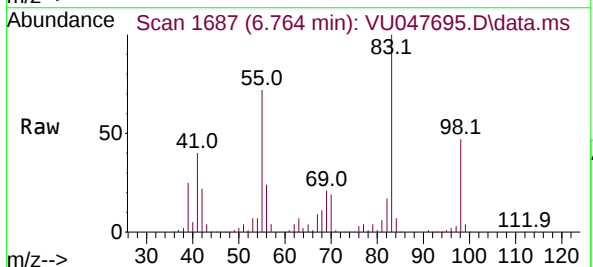
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

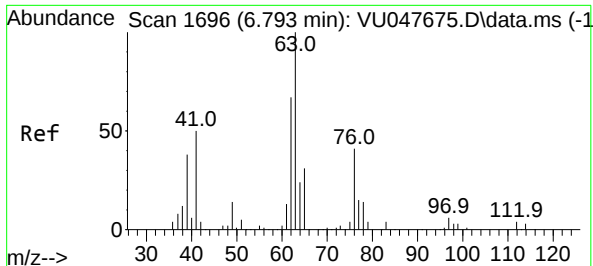
Tgt Ion: 95 Resp: 122350
Ion Ratio Lower Upper
95 100
97 63.7 44.7 82.9
132 100.3 70.4 130.8
130 103.9 73.6 136.8



#35
Methylcyclohexane
Concen: 43.179 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 83 Resp: 158278
Ion Ratio Lower Upper
83 100
55 71.9 56.8 85.2
98 47.5 38.1 57.1





#37

1,2-Dichloropropane

Concen: 55.151 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

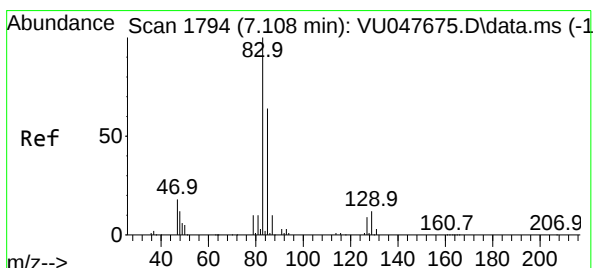
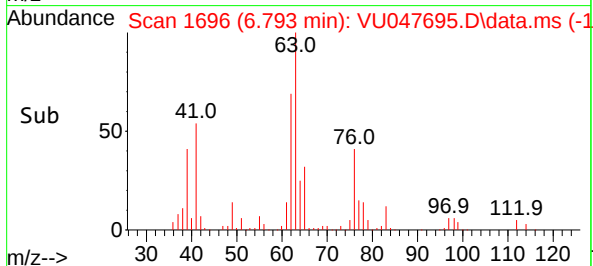
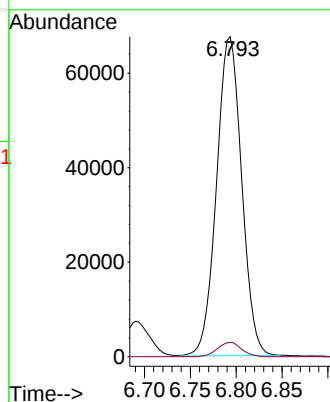
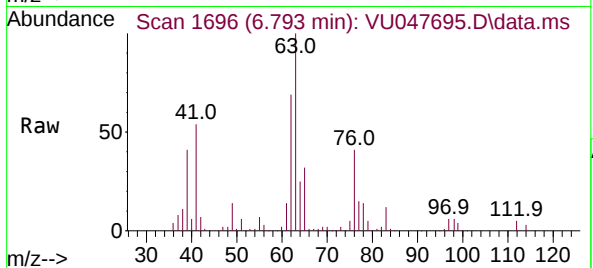
VSTD050178

Tgt Ion: 63 Resp: 128853

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 54.449 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

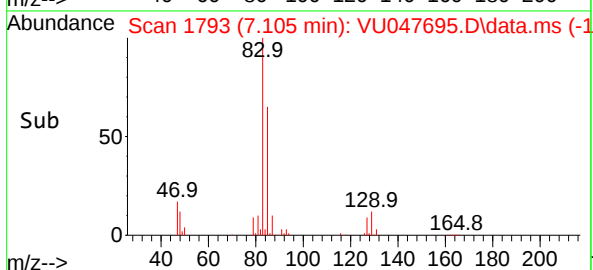
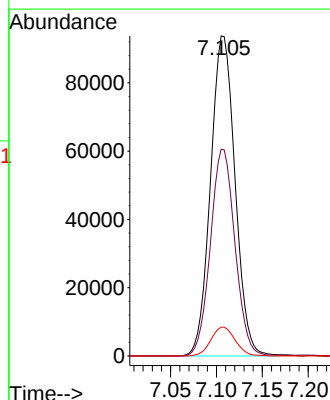
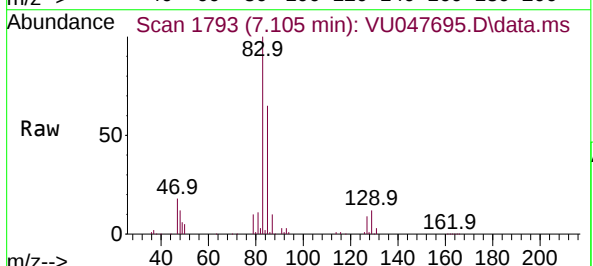
Tgt Ion: 83 Resp: 174691

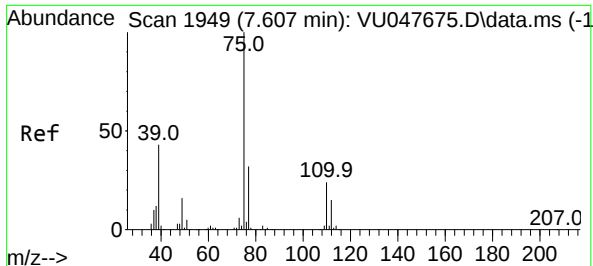
Ion Ratio Lower Upper

83 100

85 64.6 44.4 82.4

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.953 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

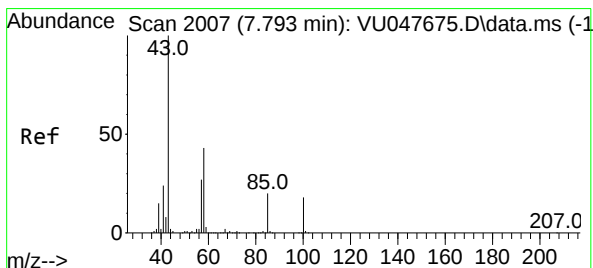
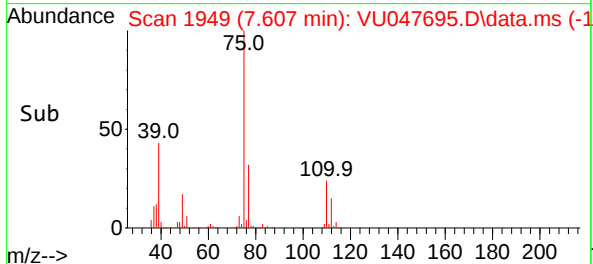
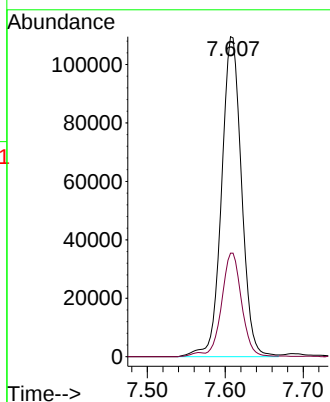
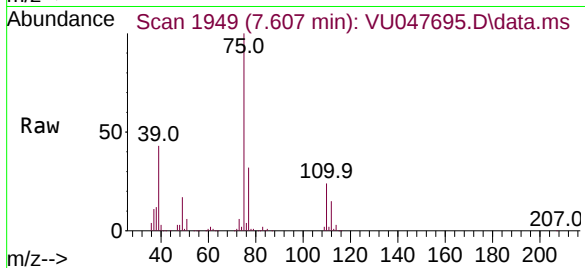
VSTD050178

Tgt Ion: 75 Resp: 195590

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 112.597 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

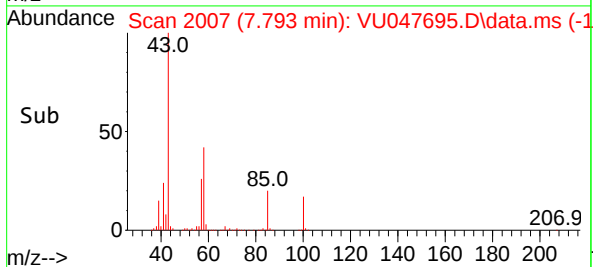
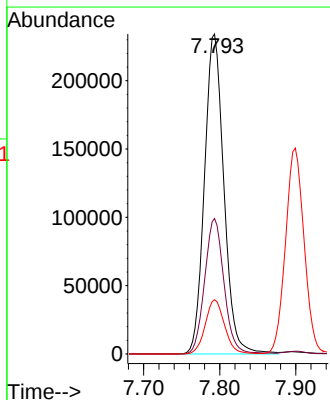
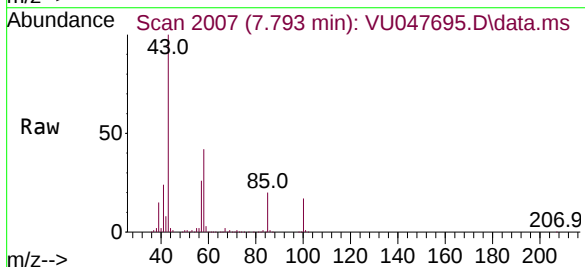
Tgt Ion: 43 Resp: 415776

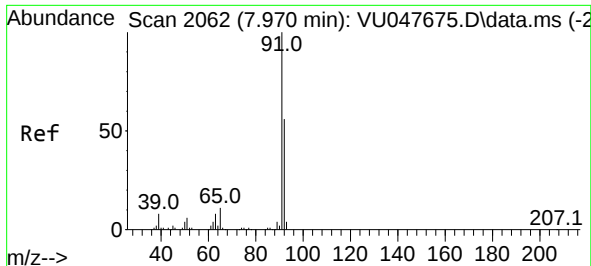
Ion Ratio Lower Upper

43 100

58 42.1 34.7 52.1

100 16.8 14.2 21.2





#42

Toluene

Concen: 53.820 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

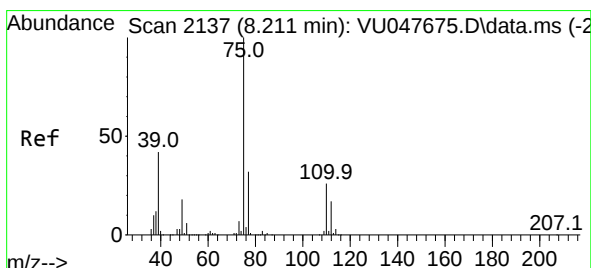
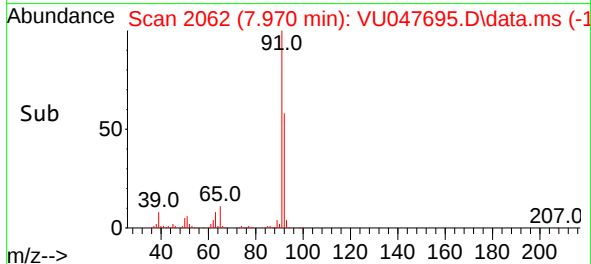
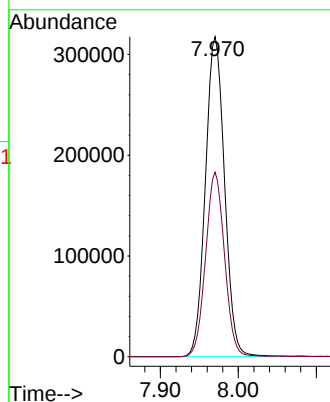
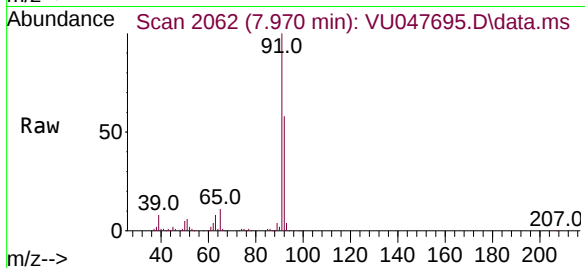
VSTD050178

Tgt Ion: 91 Resp: 542729

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 53.921 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047695.D

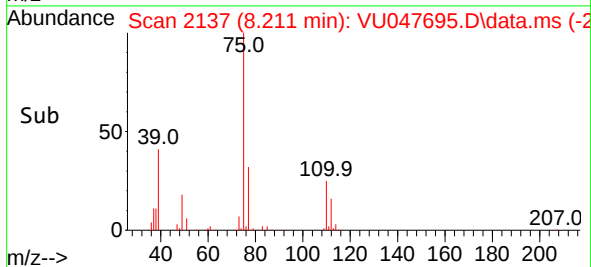
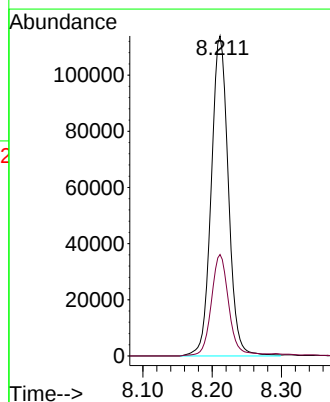
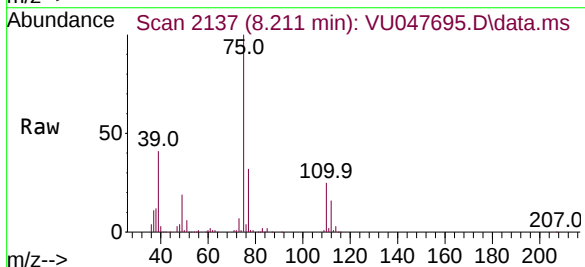
Acq: 26 Mar 2022 00:05

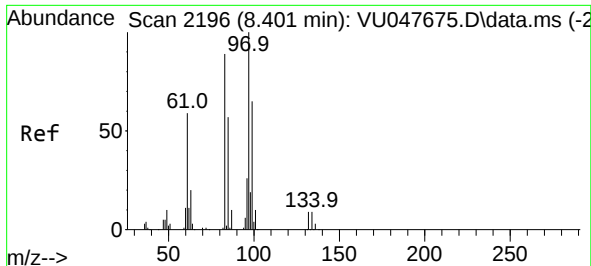
Tgt Ion: 75 Resp: 195171

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



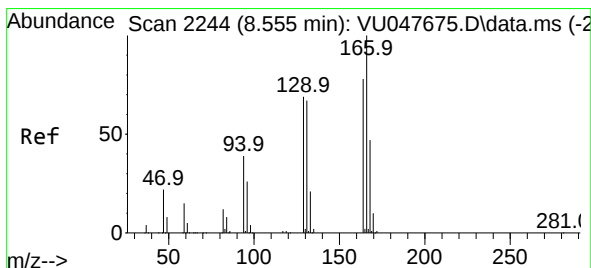
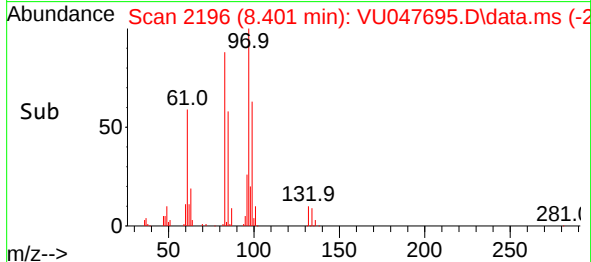
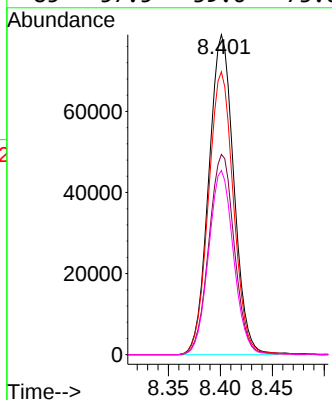
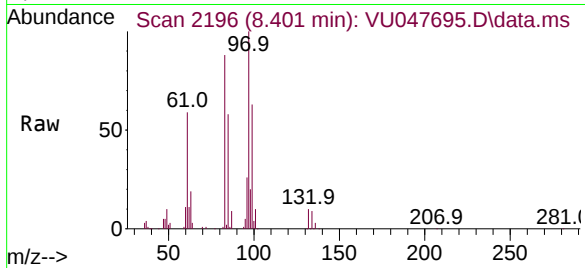


#45
1,1,2-Trichloroethane
Concen: 53.479 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

Tgt Ion: 97 Resp: 132513

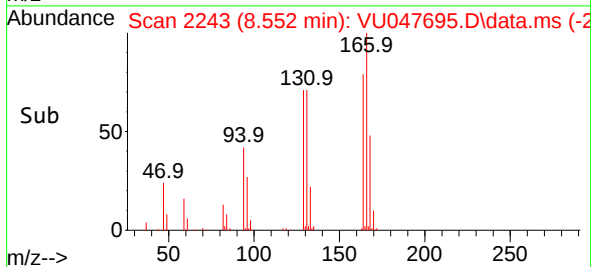
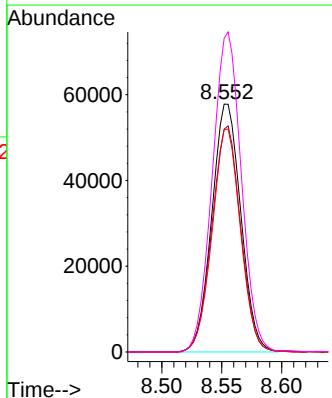
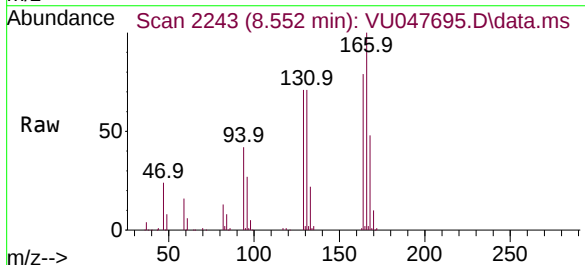
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.3
83	88.4	61.0	113.4
85	57.5	39.6	73.6

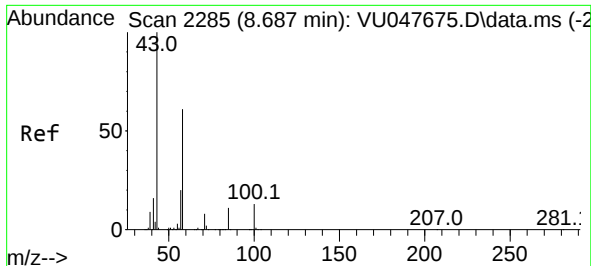


#46
Tetrachloroethene
Concen: 45.038 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 164 Resp: 97519

Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.4	116.0
131	89.7	60.7	112.7
166	126.6	89.0	165.4

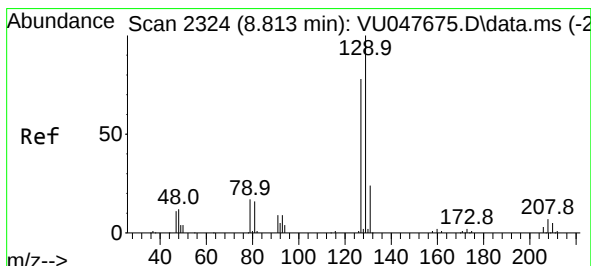
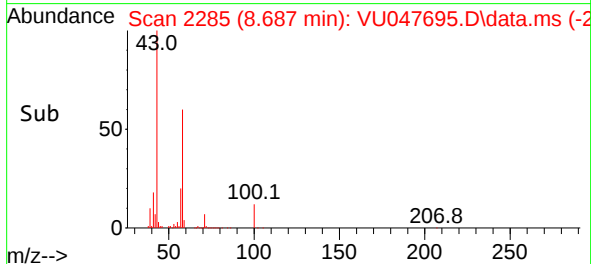
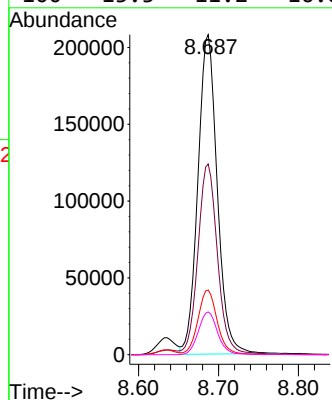
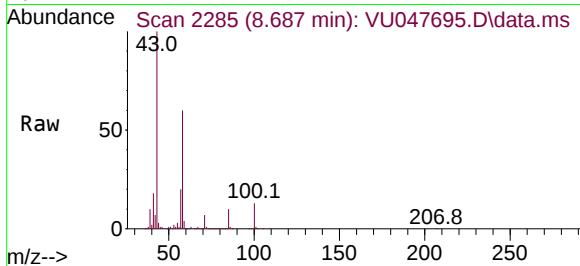




#48
2-Hexanone
Concen: 110.589 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

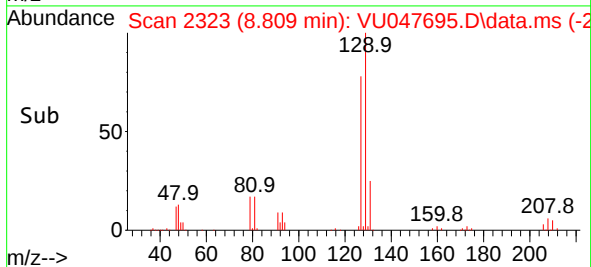
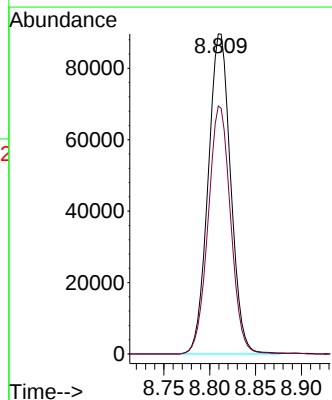
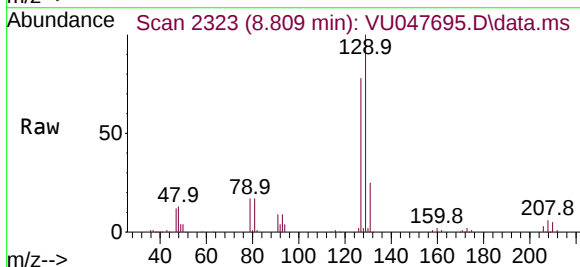
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

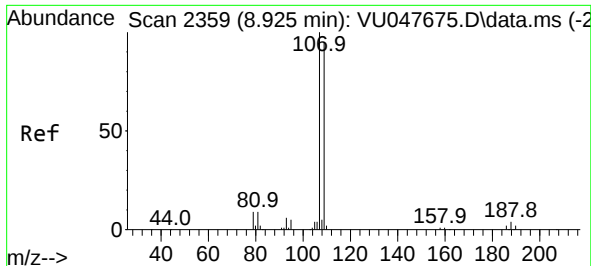
Tgt Ion: 43 Resp: 351268
Ion Ratio Lower Upper
43 100
58 59.8 48.1 72.1
57 20.1 16.2 24.4
100 13.3 11.2 16.8



#49
Dibromochloromethane
Concen: 53.476 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 129 Resp: 153473
Ion Ratio Lower Upper
129 100
127 77.5 54.2 100.6





#50

1,2-Dibromoethane

Concen: 53.867 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

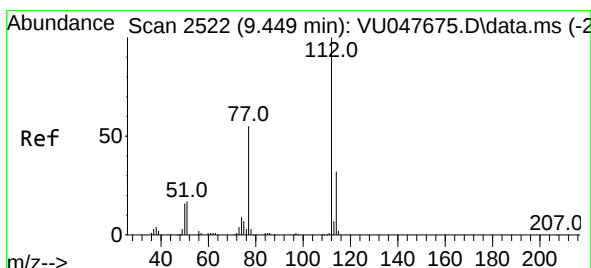
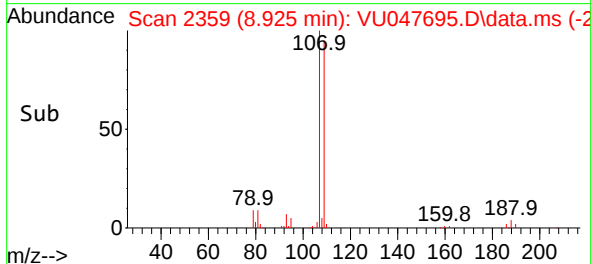
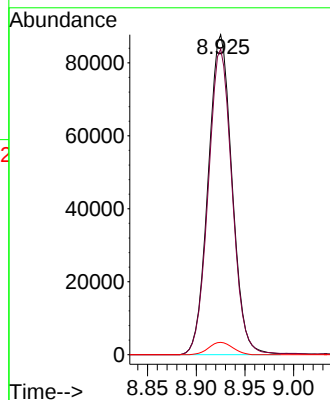
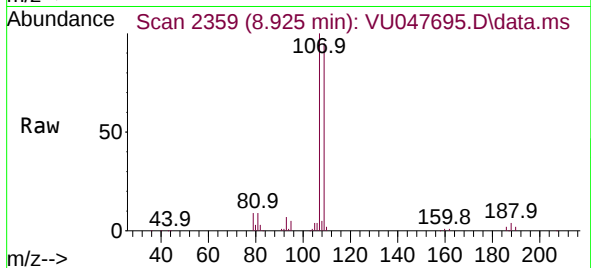
Tgt Ion:107 Resp: 149637

Ion Ratio Lower Upper

107 100

109 95.5 66.6 123.6

188 3.9 3.4 5.2



#51

Chlorobenzene

Concen: 51.477 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

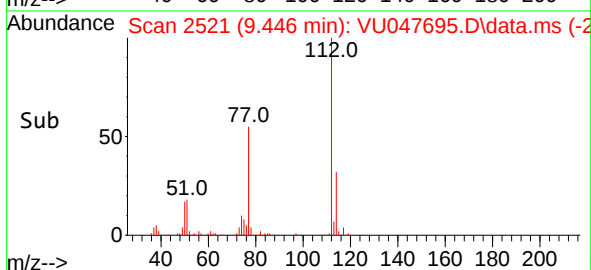
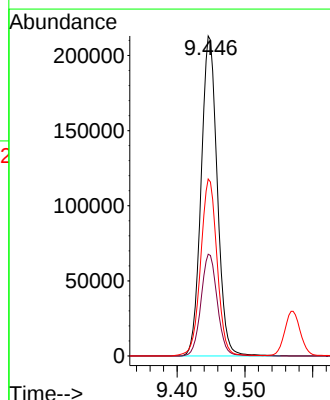
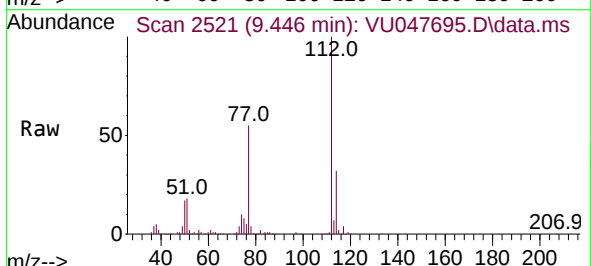
Tgt Ion:112 Resp: 352468

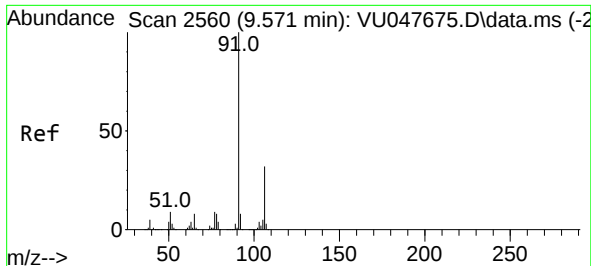
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 55.3 43.4 65.0

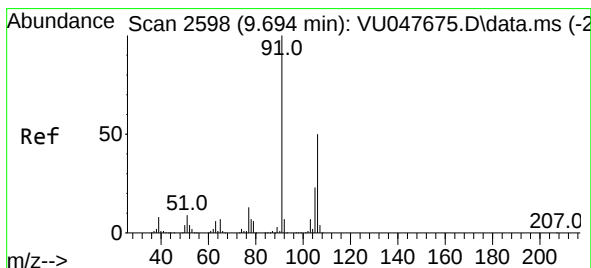
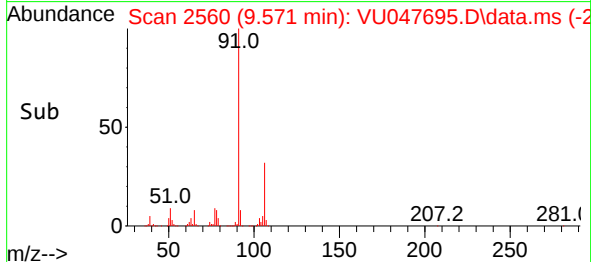
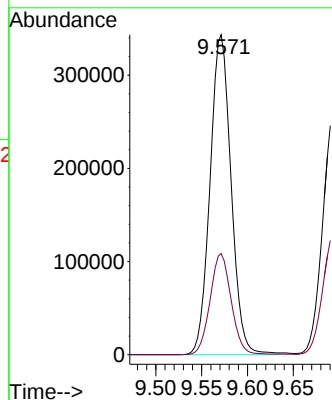
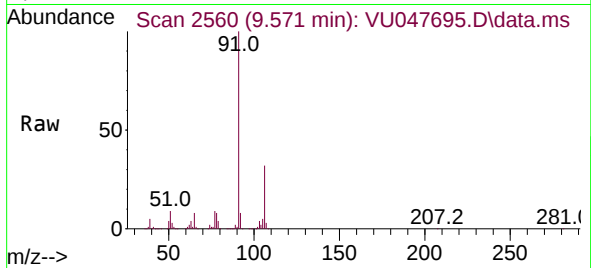




#52
Ethylbenzene
Concen: 51.680 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

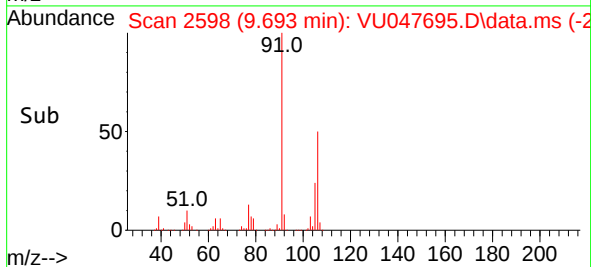
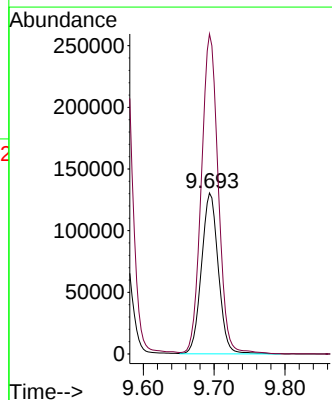
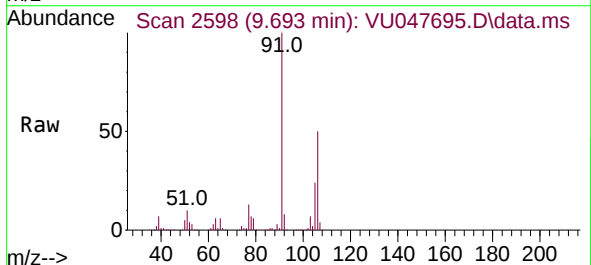
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

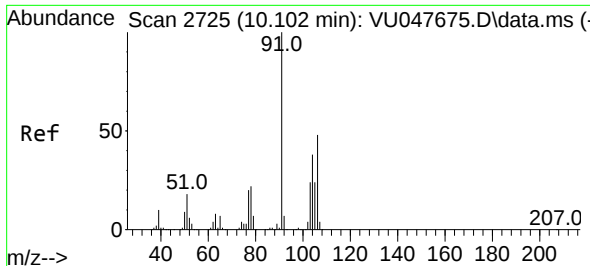
Tgt Ion: 91 Resp: 547976
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-Xylene
Concen: 51.668 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 106 Resp: 214965
Ion Ratio Lower Upper
106 100
91 198.8 137.7 255.7

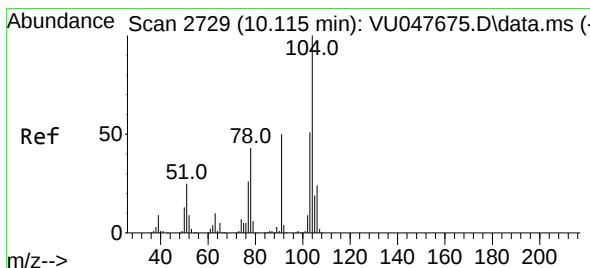
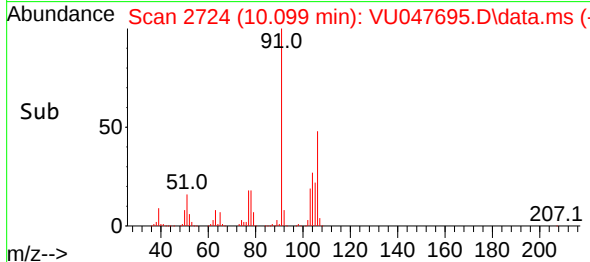
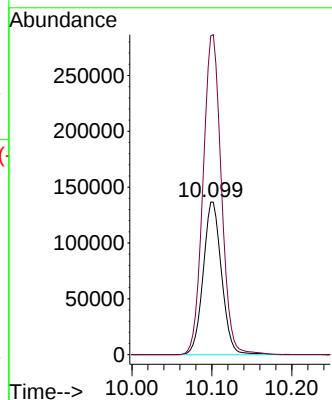
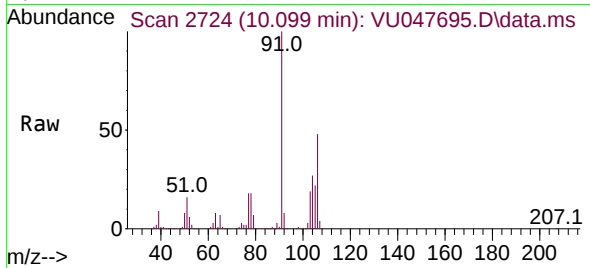




#54
o-Xylene
Concen: 53.636 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

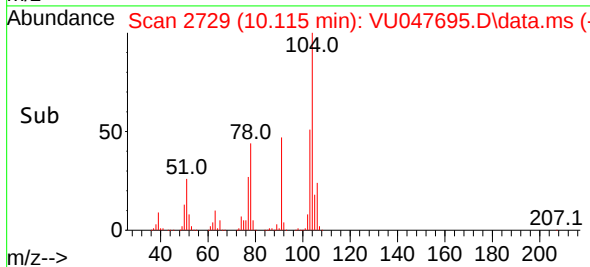
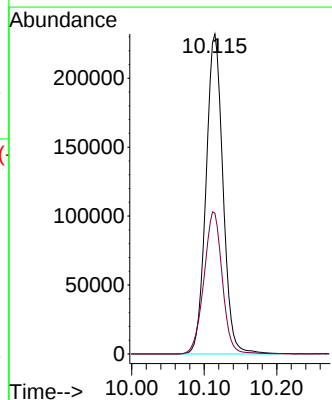
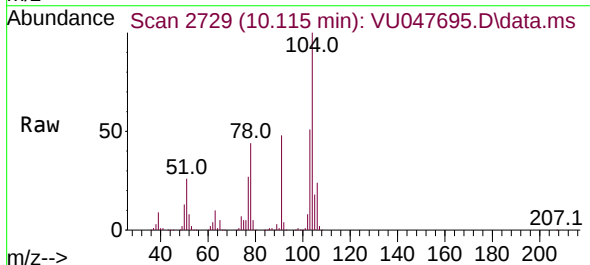
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

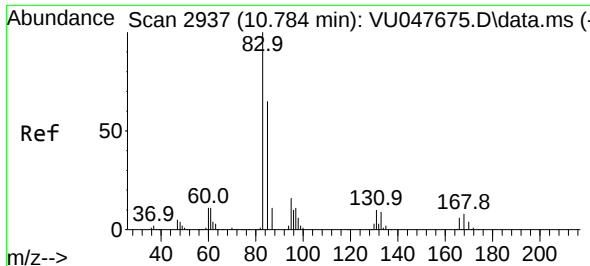
Tgt Ion:106 Resp: 219015
Ion Ratio Lower Upper
106 100
91 208.8 146.7 272.5



#55
Styrene
Concen: 54.039 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion:104 Resp: 376737
Ion Ratio Lower Upper
104 100
78 44.0 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 53.879 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050178

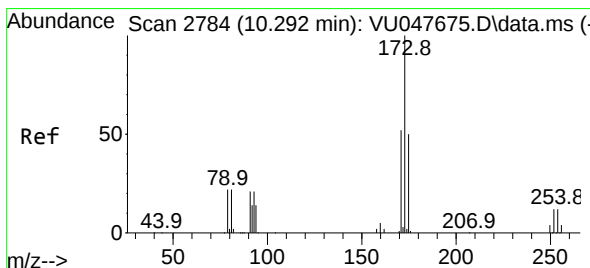
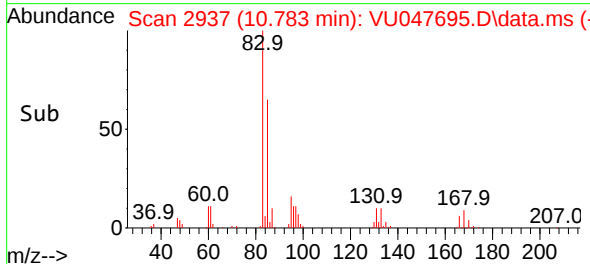
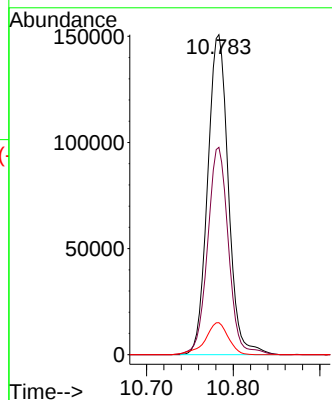
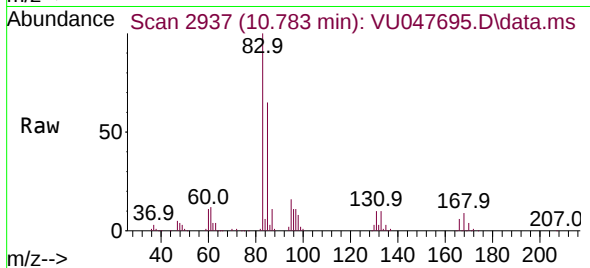
Tgt Ion: 83 Resp: 250286

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3

131 10.0 8.6 13.0



#59

Bromoform

Concen: 54.667 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

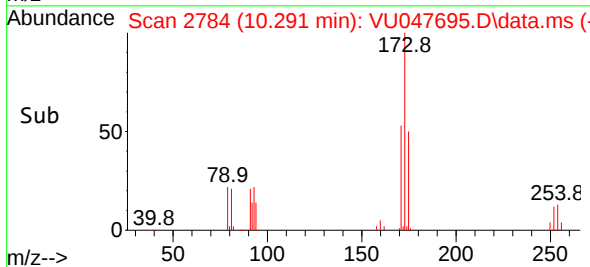
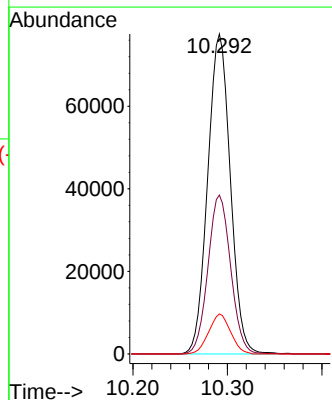
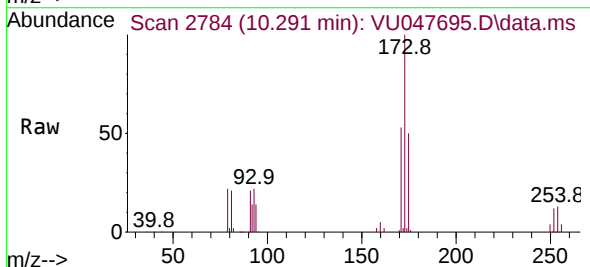
Tgt Ion: 173 Resp: 129050

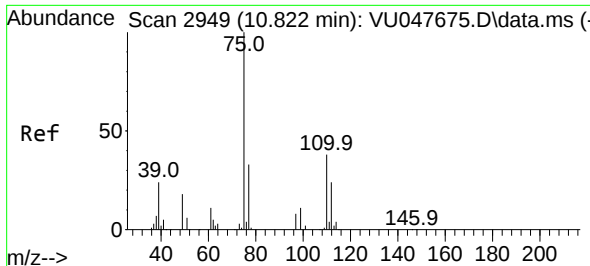
Ion Ratio Lower Upper

173 100

175 49.7 38.7 58.1

254 12.1 9.6 14.4

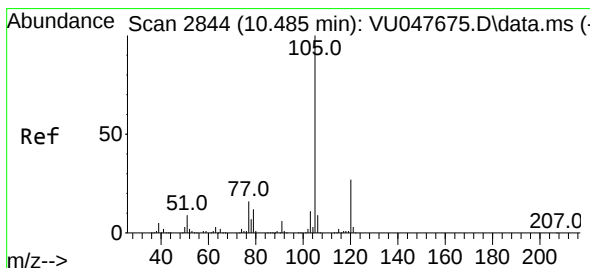
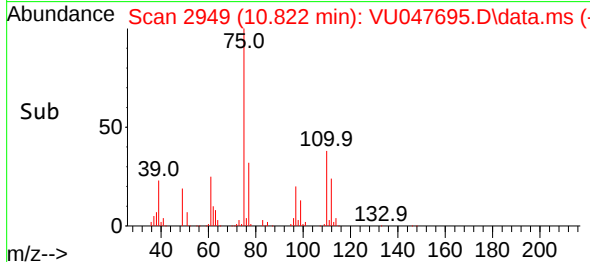
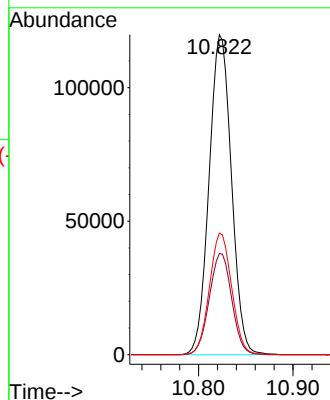
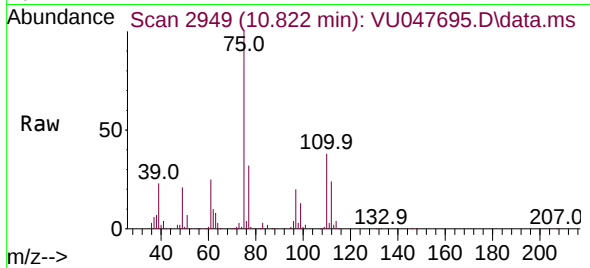




#60
1,2,3-Trichloropropane
Concen: 56.526 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

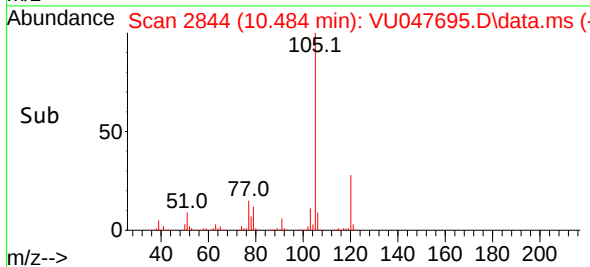
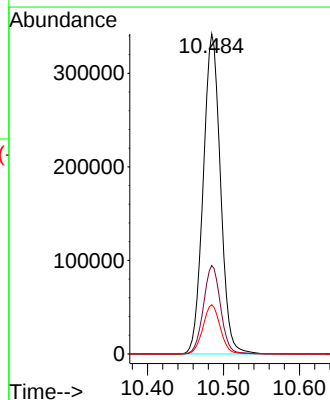
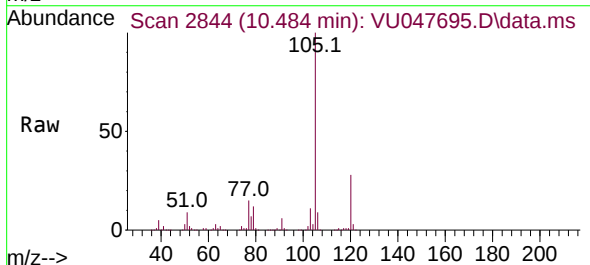
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

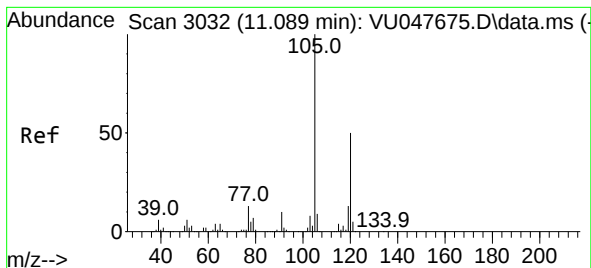
Tgt Ion: 75 Resp: 196724
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 37.8 31.4 47.2



#61
Isopropylbenzene
Concen: 53.967 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion: 105 Resp: 538445
Ion Ratio Lower Upper
105 100
120 27.5 21.9 32.9
77 15.5 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 52.583 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047695.D

Acq: 26 Mar 2022 00:05

Instrument :

MSVOA_U

ClientSampleId :

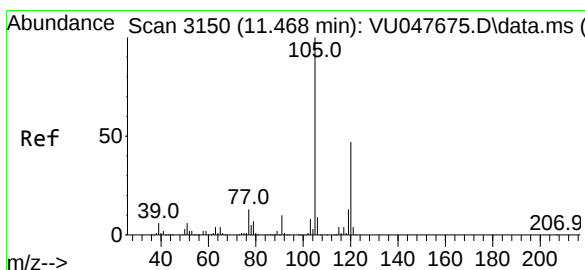
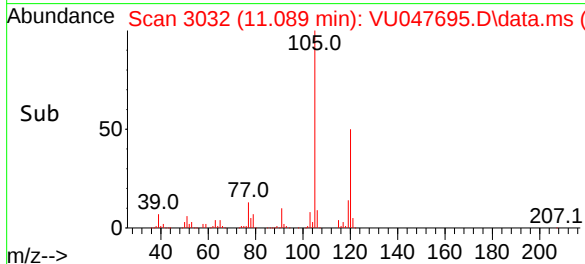
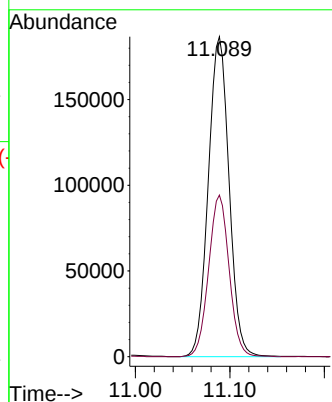
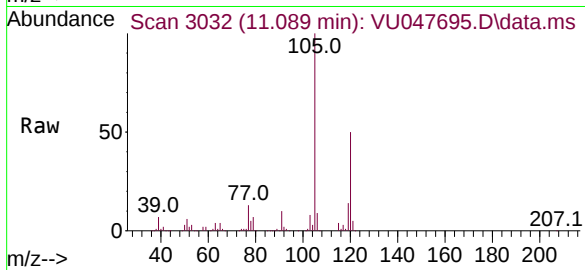
VSTD050178

Tgt Ion:105 Resp: 284655

Ion Ratio Lower Upper

105 100

120 49.8 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 53.547 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047695.D

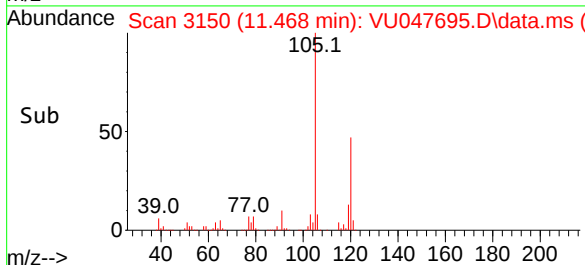
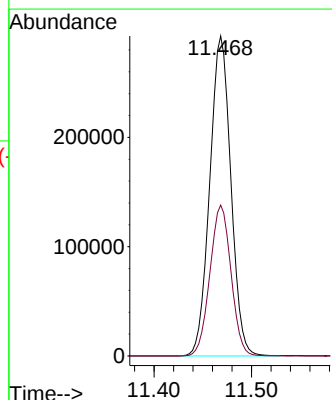
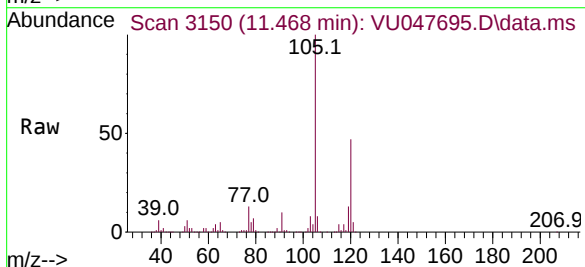
Acq: 26 Mar 2022 00:05

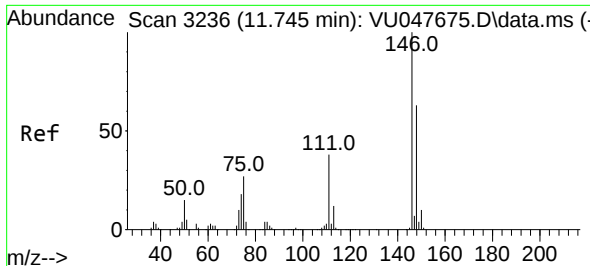
Tgt Ion:105 Resp: 440311

Ion Ratio Lower Upper

105 100

120 47.1 37.6 56.4

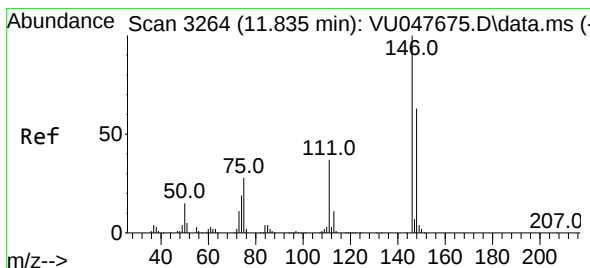
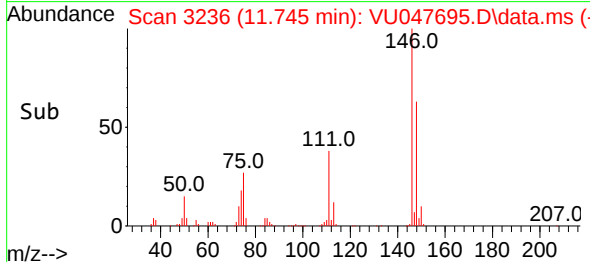
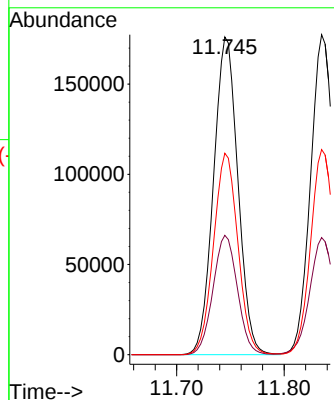
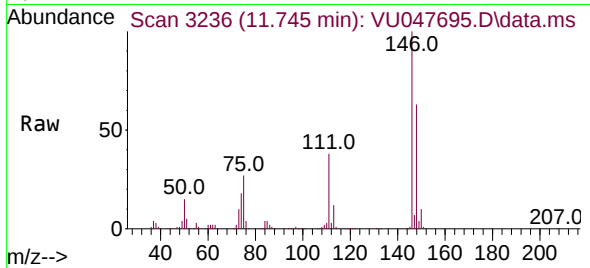




#64
1,3-Dichlorobenzene
Concen: 50.108 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

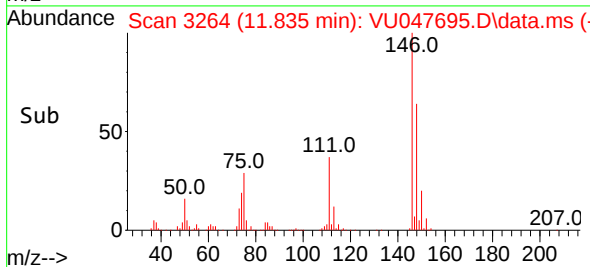
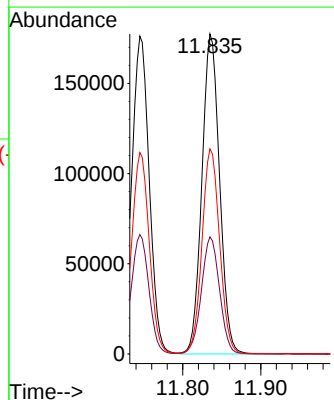
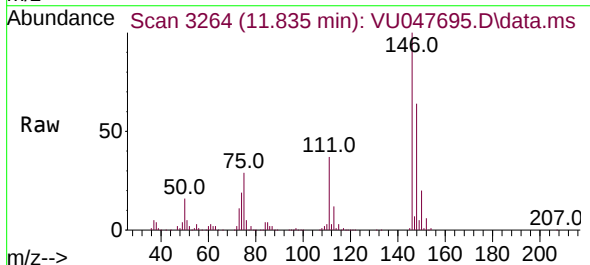
Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

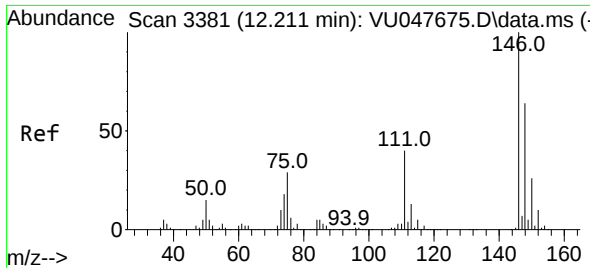
Tgt Ion:146 Resp: 277877
Ion Ratio Lower Upper
146 100
111 37.6 26.7 49.7
148 63.4 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 48.641 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion:146 Resp: 279402
Ion Ratio Lower Upper
146 100
111 36.6 25.3 47.1
148 64.1 44.5 82.7

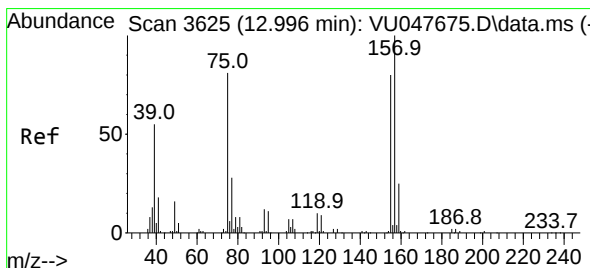
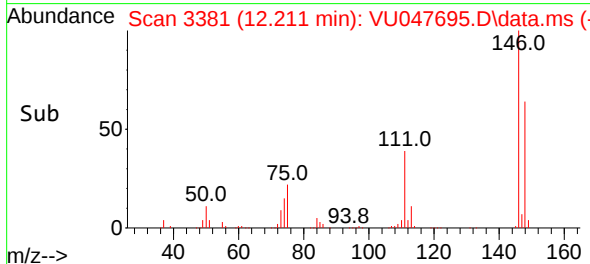
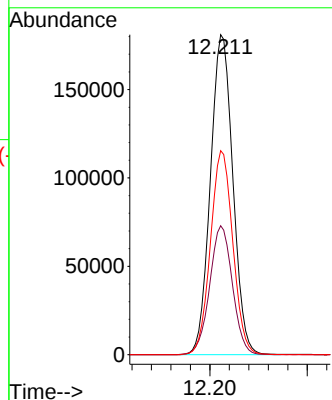
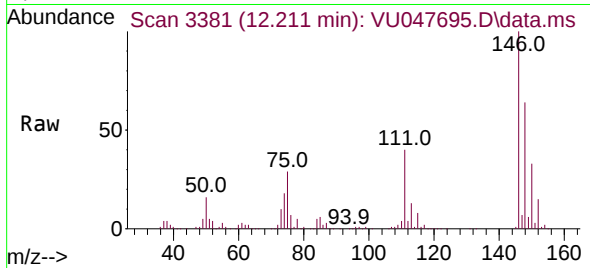




#67
 1,2-Dichlorobenzene
 Concen: 52.260 ug/L
 RT: 12.211 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU047695.D
 Acq: 26 Mar 2022 00:05

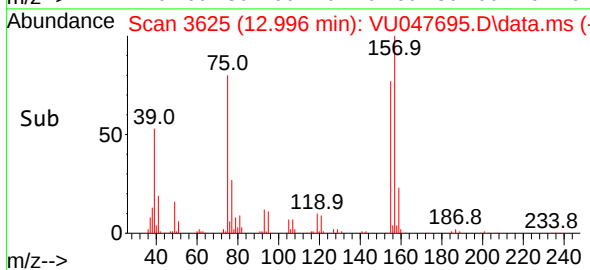
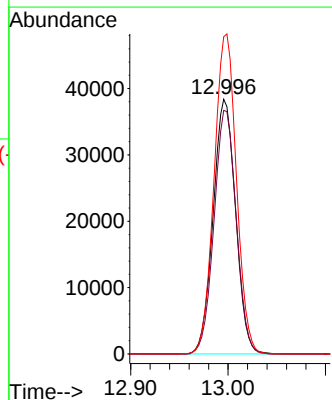
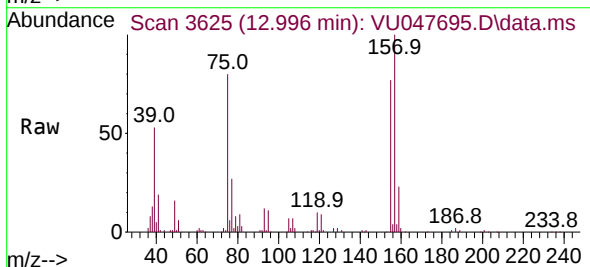
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

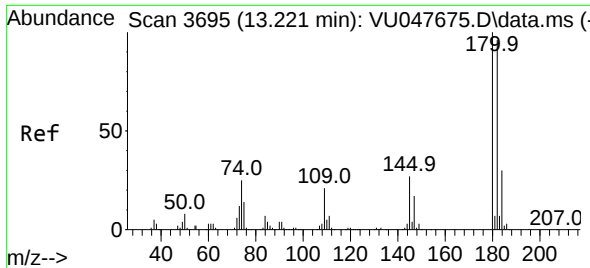
Tgt Ion:146 Resp: 289985
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.7 47.5
 148 63.7 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 55.027 ug/L
 RT: 12.996 min Scan# 3625
 Delta R.T. -0.000 min
 Lab File: VU047695.D
 Acq: 26 Mar 2022 00:05

Tgt Ion: 75 Resp: 61344
 Ion Ratio Lower Upper
 75 100
 155 95.6 78.9 118.3
 157 124.5 97.5 146.3

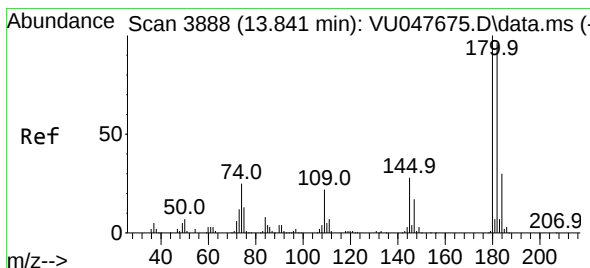
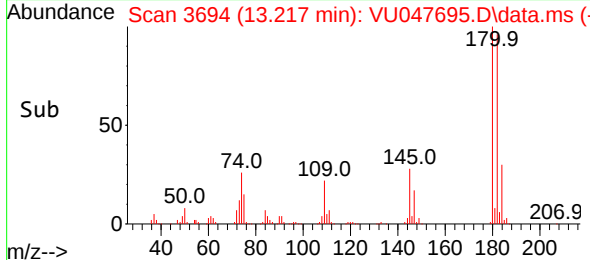
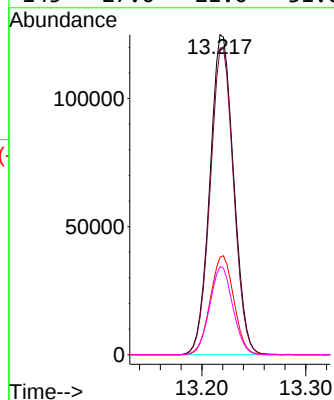
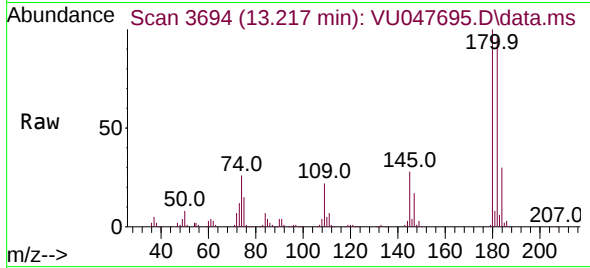




#69
 1,3,5-Trichlorobenzene
 Concen: 43.984 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU047695.D
 Acq: 26 Mar 2022 00:05

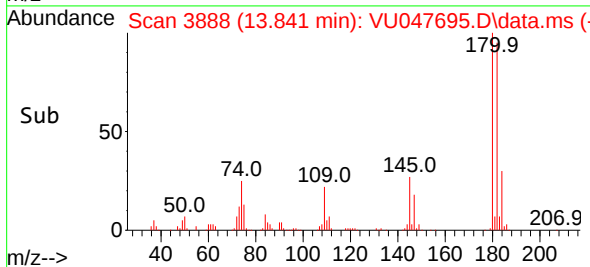
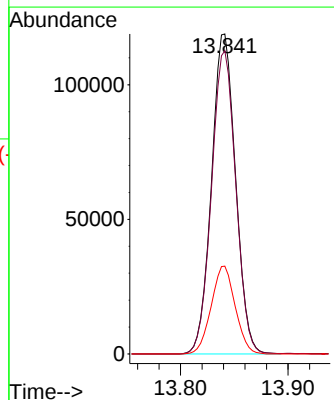
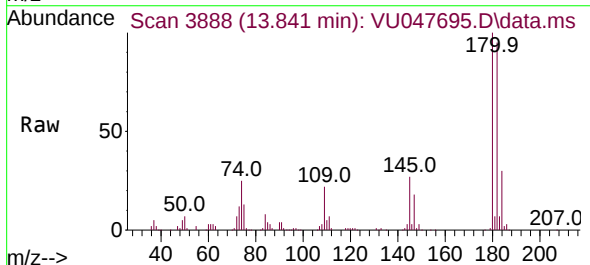
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

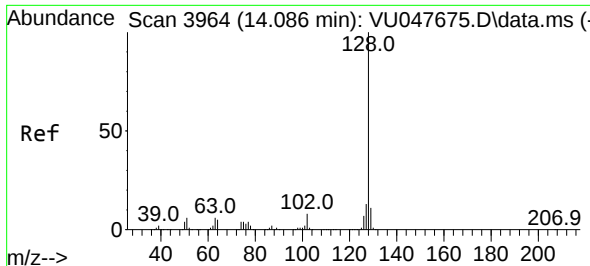
Tgt Ion:180 Resp: 198098
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 184 30.6 24.5 36.7
 145 27.0 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.802 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047695.D
 Acq: 26 Mar 2022 00:05

Tgt Ion:180 Resp: 184629
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 27.4 21.8 32.8

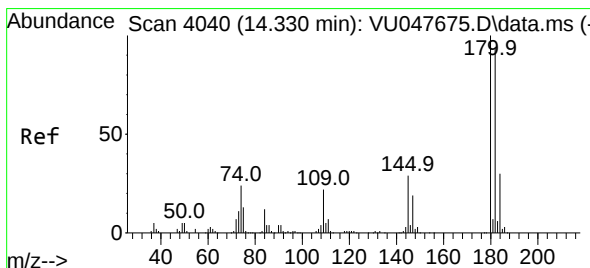
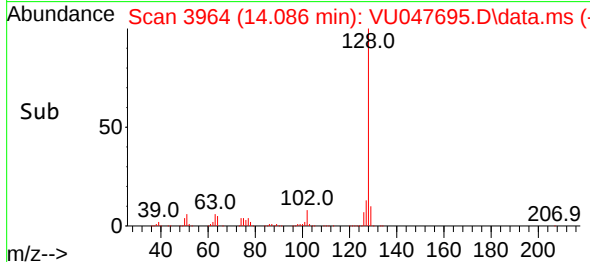
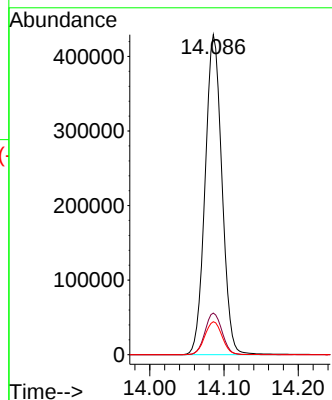
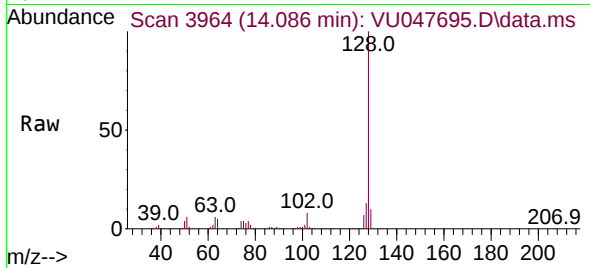




#71
Naphthalene
Concen: 57.298 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD050178

Tgt Ion:128 Resp: 673912
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 51.143 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047695.D
Acq: 26 Mar 2022 00:05

Tgt Ion:180 Resp: 202256
Ion Ratio Lower Upper
180 100
182 95.8 77.4 116.0
145 29.0 22.8 34.2

