

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021822\
 Data File : VU047221.D
 Acq On : 17 Feb 2022 22:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Quant Time: Feb 18 03:37:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 03:32:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	199388	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	198893	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	116035	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69488	4.126	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.916	69	57860	4.335	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.572	65	28926	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.652	46	185582	46.107	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.220%
24) Chloroform-d	5.070	84	129016	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.707	65	66374	4.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.732	84	257962	4.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.694	67	81235	4.594	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.899	98	243757	4.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.182	79	32112	4.006	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.636	63	186711	44.237	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.480%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	69181	4.304	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	95855	4.604	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	85526	5.072	ug/L	98
3) Chloromethane	1.523	50	118182	6.462	ug/L	100
5) Vinyl chloride	1.607	62	92914	5.029	ug/L	99
6) Bromomethane	1.861	94	25951	2.390	ug/L	97
8) Chloroethane	1.938	64	54229	5.090	ug/L	98
9) Trichlorofluoromethane	2.144	101	112188	4.983	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	69084	5.086	ug/L	92
12) 1,1-Dichloroethene	2.584	96	67653	5.156	ug/L	79
13) Acetone	2.681	43	102081	50.660	ug/L	90
14) Carbon disulfide	2.797	76	195387	4.464	ug/L	99
15) Methyl Acetate	2.970	43	25336	4.062	ug/L #	85
16) Methylene chloride	3.051	84	85849	5.873	ug/L	93
17) Methyl tert-butyl Ether	3.369	73	162217	4.524	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	72093	5.084	ug/L	93
19) 1,1-Dichloroethane	3.877	63	124650	5.029	ug/L	100
21) 2-Butanone	4.732	43	171848	45.412	ug/L	93
22) cis-1,2-Dichloroethene	4.671	96	79152	5.129	ug/L	95
23) Bromochloromethane	4.980	128	30078	4.157	ug/L	88
25) Chloroform	5.096	83	129885	5.004	ug/L	99

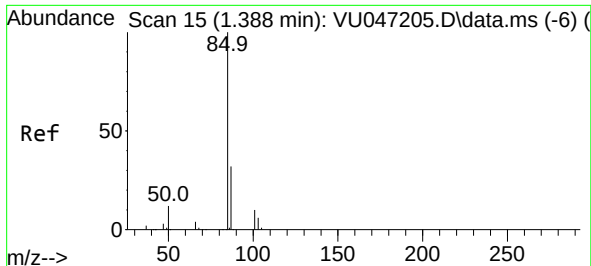
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021822\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	82350	4.746	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	115207	5.349	ug/L	98
30) Cyclohexane	5.391	56	115534	4.915	ug/L	97
31) Carbon tetrachloride	5.530	117	93252	4.973	ug/L	100
33) Benzene	5.777	78	297850	5.270	ug/L	100
34) Trichloroethene	6.546	95	78095	5.181	ug/L	95
35) Methylcyclohexane	6.768	83	127280	5.004	ug/L	95
37) 1,2-Dichloropropane	6.793	63	72913	4.991	ug/L	100
38) Bromodichloromethane	7.108	83	87173	4.671	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	102818	4.526	ug/L	100
40) 4-Methyl-2-pentanone	7.797	43	444300	42.624	ug/L	97
42) Toluene	7.970	91	325482	5.174	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	85876	4.196	ug/L	90
45) 1,1,2-Trichloroethane	8.404	97	55210	4.867	ug/L	98
47) Tetrachloroethene	8.555	164	66419	5.429	ug/L	91
48) 2-Hexanone	8.687	43	321510	41.485	ug/L	99
49) Dibromochloromethane	8.813	129	53380	3.906	ug/L	95
50) 1,2-Dibromoethane	8.925	107	55250	4.829	ug/L	99
51) Chlorobenzene	9.449	112	208028	5.123	ug/L	97
52) Ethylbenzene	9.571	91	349004	5.062	ug/L	99
53) m,p-Xylene	9.694	106	136141	5.030	ug/L	97
54) o-Xylene	10.102	106	132074	5.011	ug/L	97
55) Styrene	10.115	104	224214	5.085	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	69141	4.605	ug/L	97
59) Bromoform	10.292	173	20275	2.399	ug/L #	96
60) Isopropylbenzene	10.485	105	351489	5.163	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	48314	4.360	ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	232669	5.118	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	302222	5.164	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	165183	5.031	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	167108	5.030	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	155616	4.976	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	9596	3.749	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.221	180	136218	5.021	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	122084	4.834	ug/L	98
71) Naphthalene	14.089	128	239197	4.589	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	110851	4.667	ug/L	98

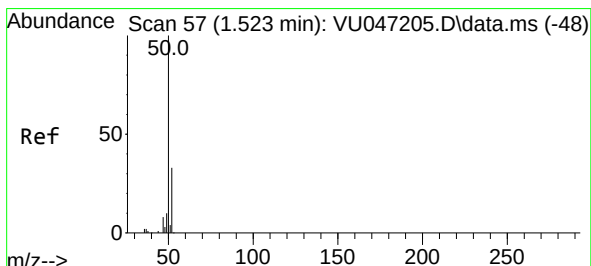
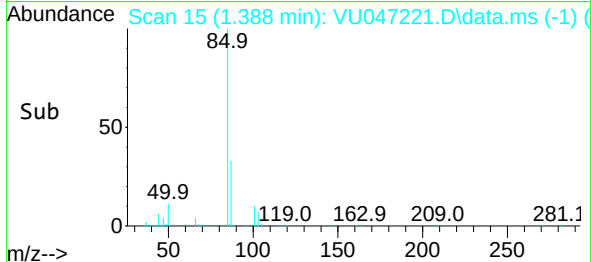
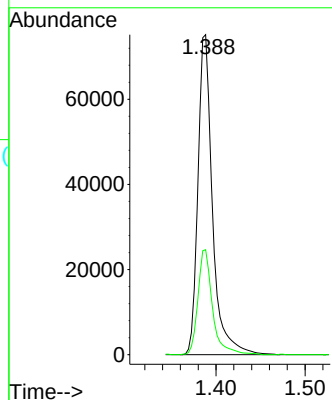
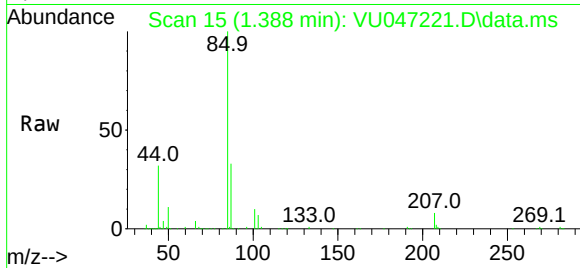
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#2
Dichlorodifluoromethane
Concen: 5.072 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

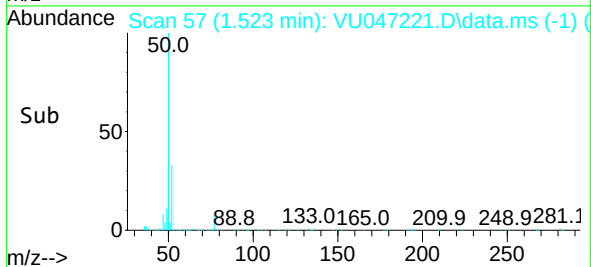
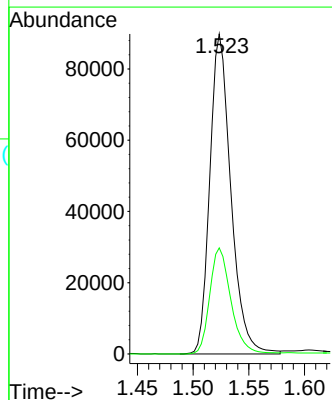
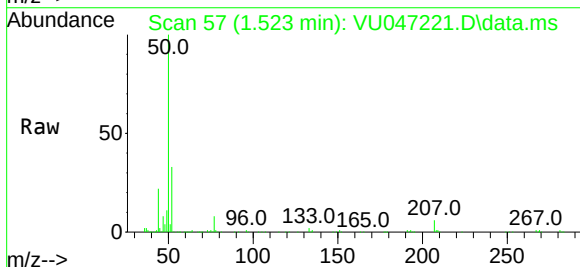
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MSVOA_U
ClientSampleId :
VSTD005195

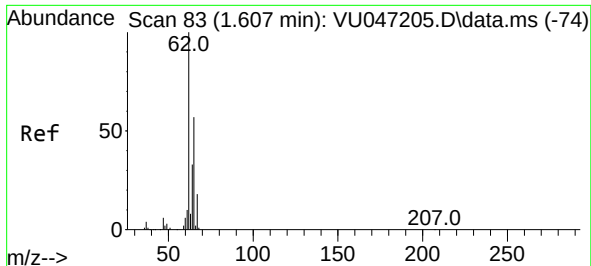
Tgt Ion: 85 Resp: 85526
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6



#3
Chloromethane
Concen: 6.462 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 50 Resp: 118182
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8

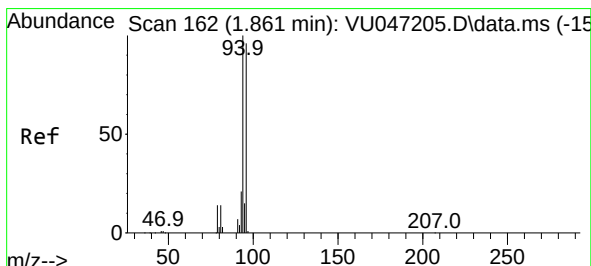
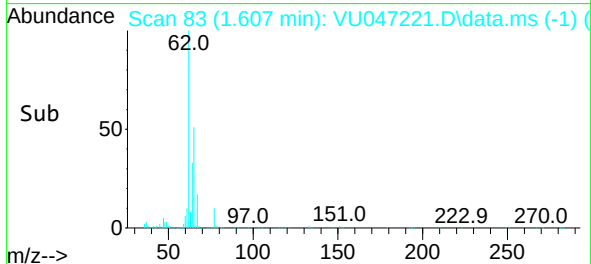
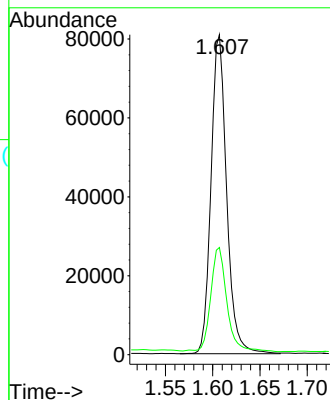
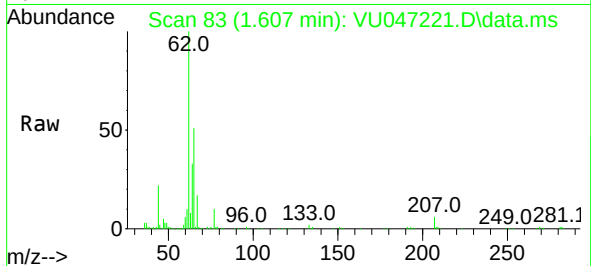




#5
 Vinyl chloride
 Concen: 5.029 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

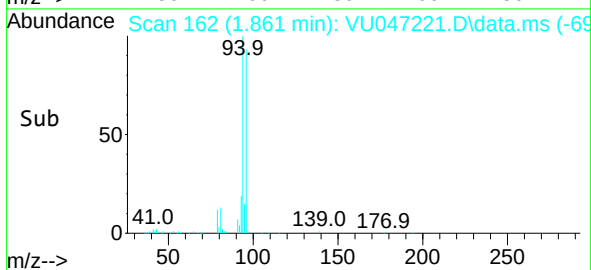
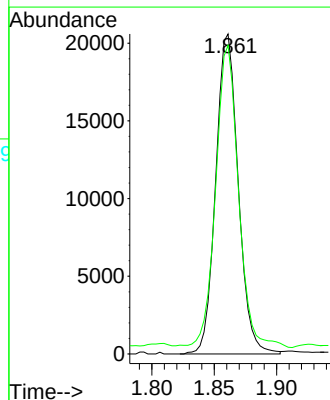
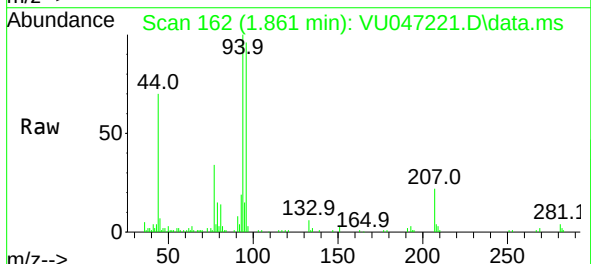
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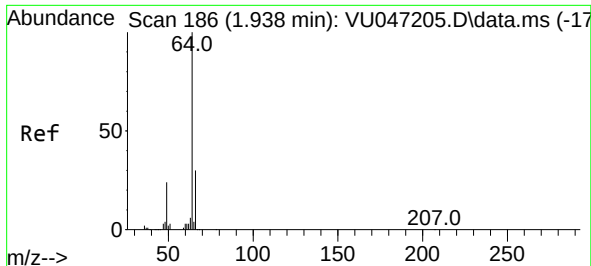
Tgt Ion: 62 Resp: 92914
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.9 42.5



#6
 Bromomethane
 Concen: 2.390 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

Tgt Ion: 94 Resp: 25951
 Ion Ratio Lower Upper
 94 100
 96 96.5 65.5 121.6

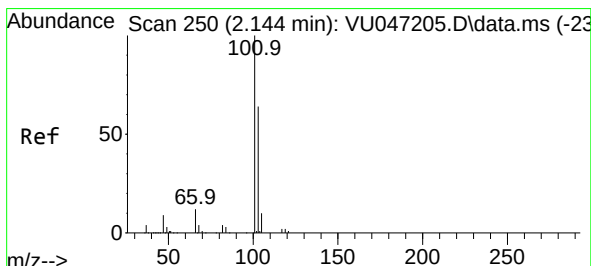
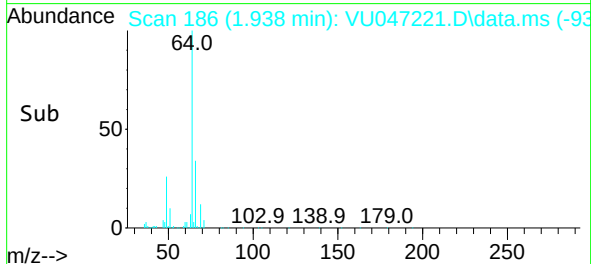
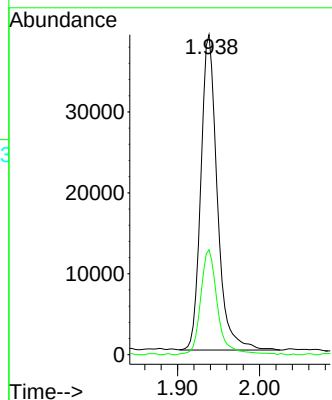
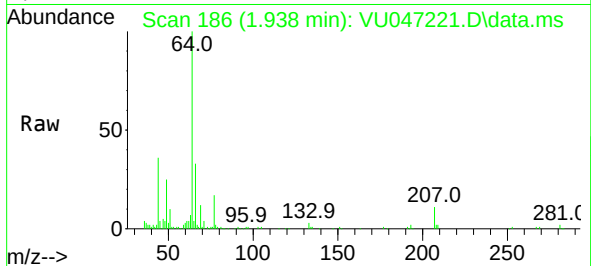




#8
Chloroethane
Concen: 5.090 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

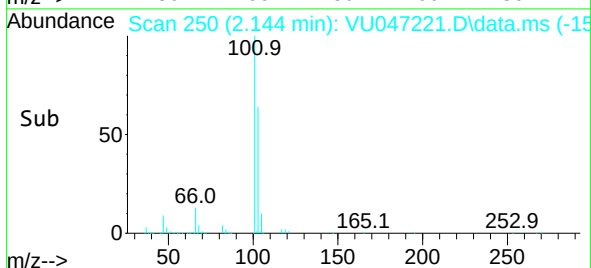
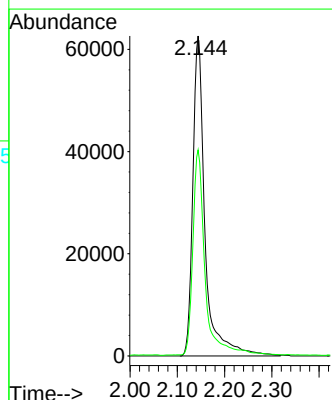
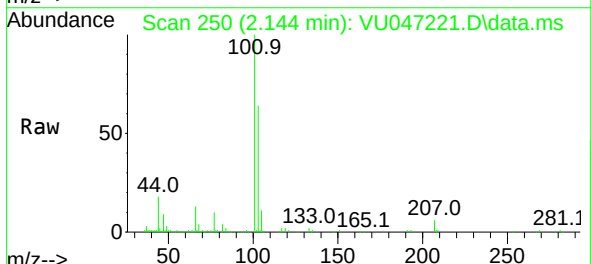
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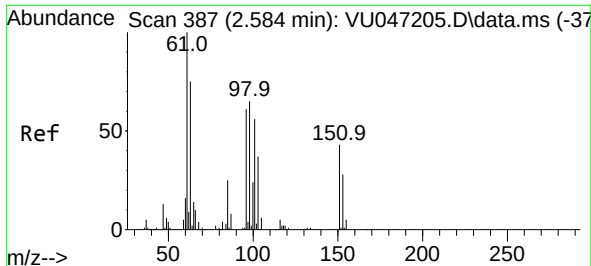
Tgt Ion: 64 Resp: 54229
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.983 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 101 Resp: 112188
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3

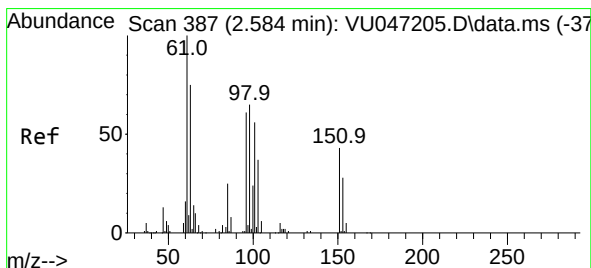
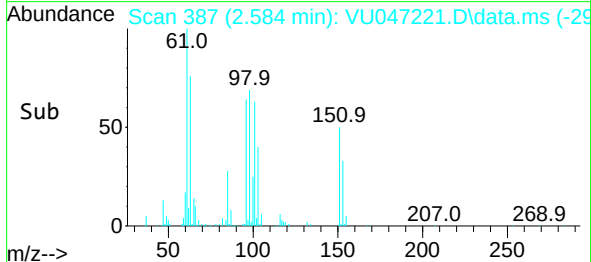
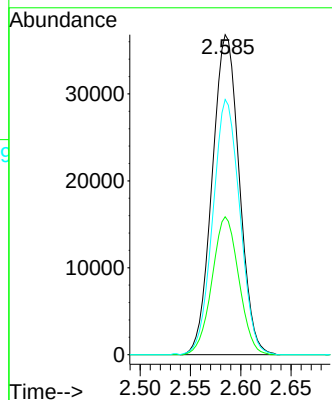
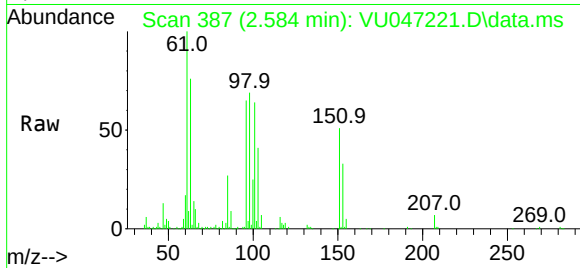




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.086 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

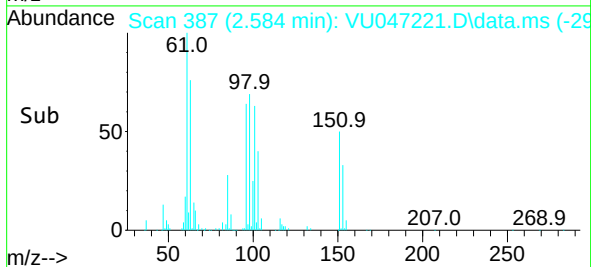
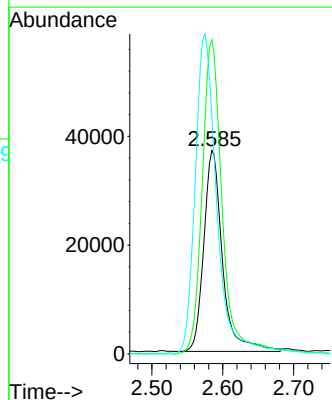
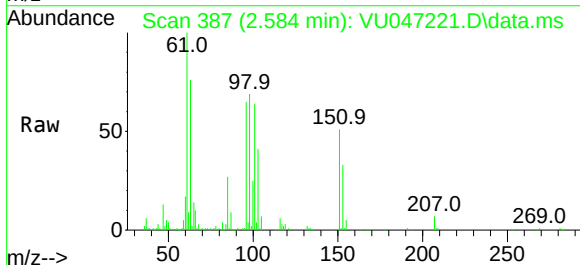
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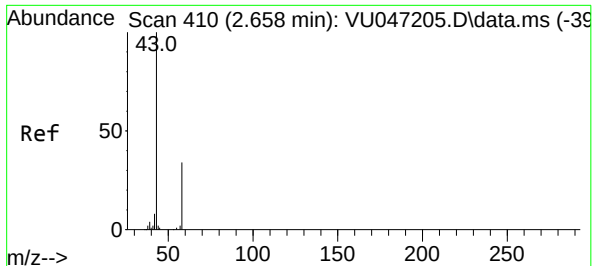
Tgt Ion: 101 Resp: 69084
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.6 51.8
 151 79.6 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 5.156 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

Tgt Ion: 96 Resp: 67653
 Ion Ratio Lower Upper
 96 100
 61 154.4 124.7 231.5
 63 116.8 105.2 195.4





#13

Acetone

Concen: 50.660 ug/L

RT: 2.681 min Scan# 41

Delta R.T. 0.023 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

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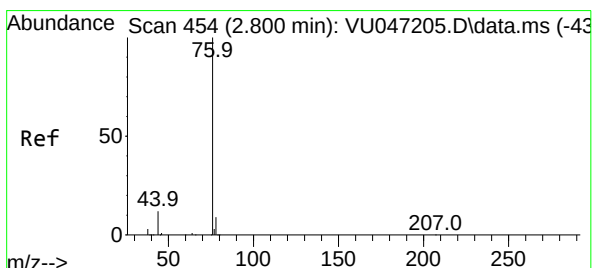
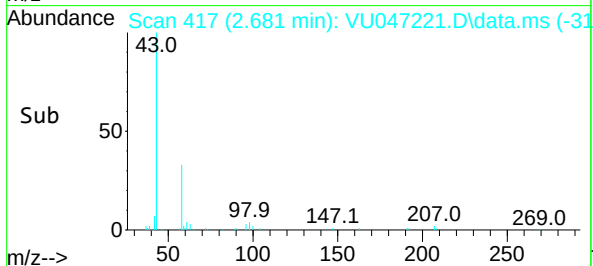
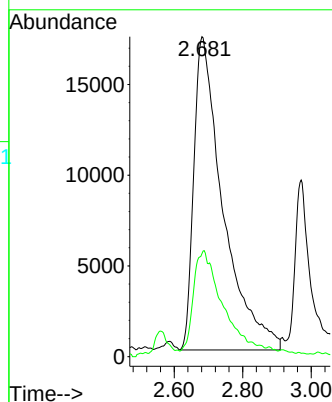
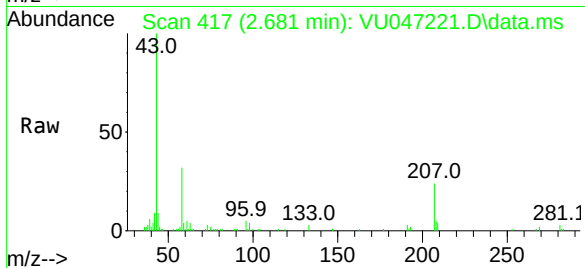
VSTD005195

Tgt Ion: 43 Resp: 102081

Ion Ratio Lower Upper

43 100

58 30.1 0.0 71.6



#14

Carbon disulfide

Concen: 4.464 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU047221.D

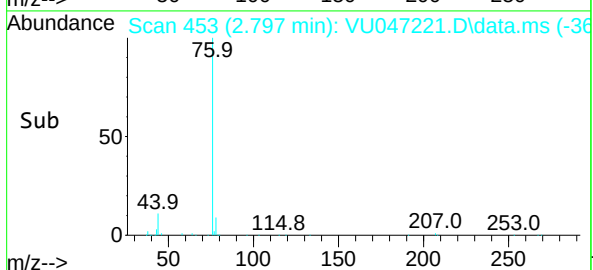
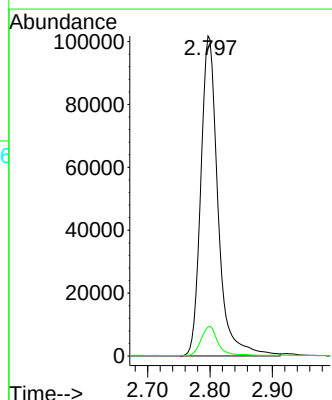
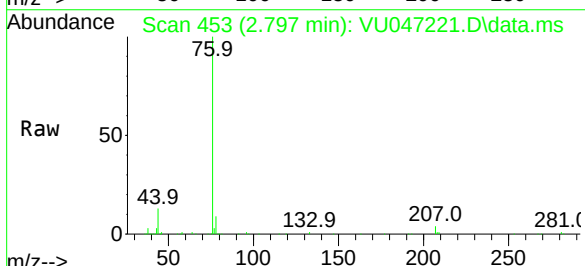
Acq: 17 Feb 2022 22:24

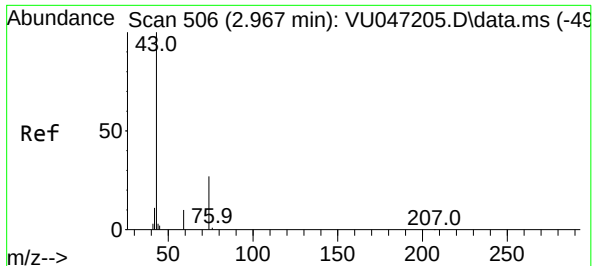
Tgt Ion: 76 Resp: 195387

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

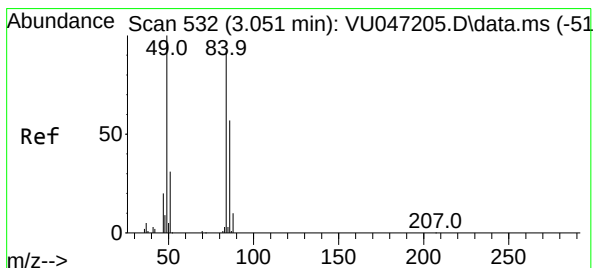
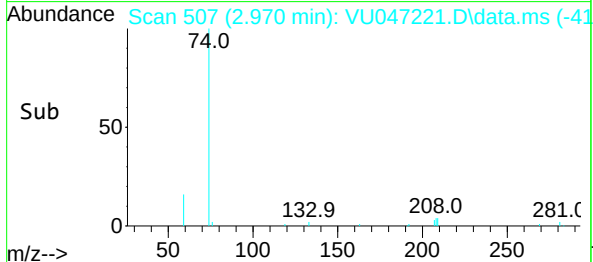
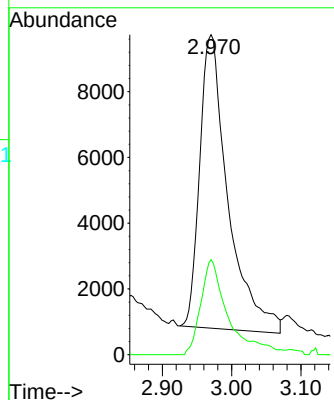
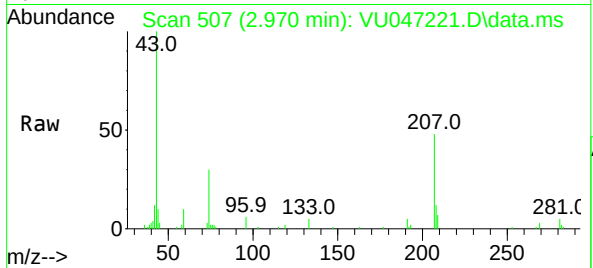




#15
Methyl Acetate
Concen: 4.062 ug/L
RT: 2.970 min Scan# 506
Delta R.T. 0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

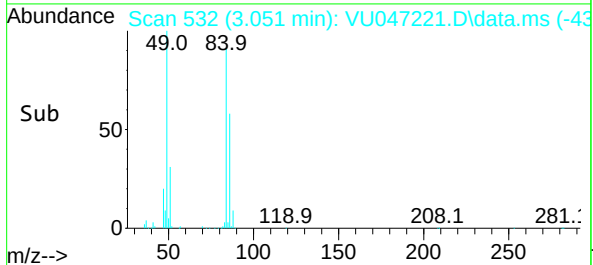
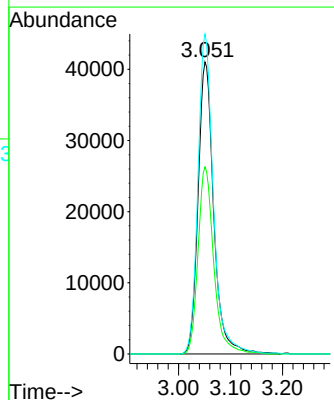
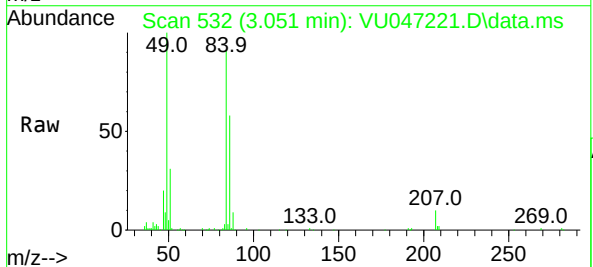
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

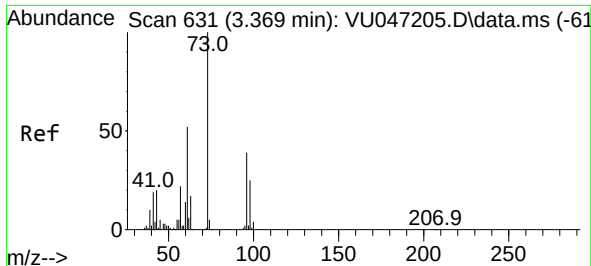
Tgt Ion: 43 Resp: 25336
Ion Ratio Lower Upper
43 100
74 31.4 19.1 28.7#



#16
Methylene chloride
Concen: 5.873 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 84 Resp: 85849
Ion Ratio Lower Upper
84 100
86 64.1 45.8 85.0
49 109.6 84.5 156.9

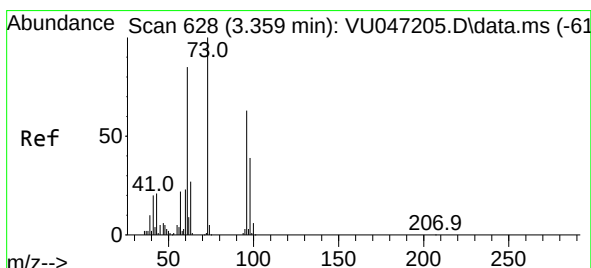
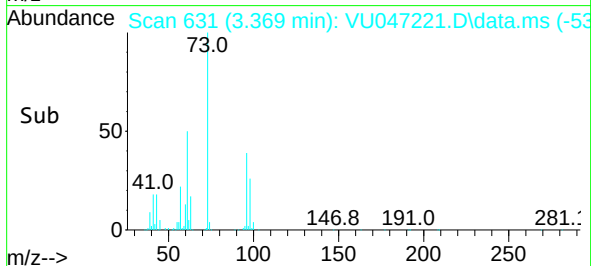
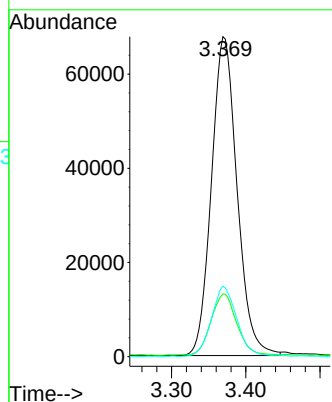
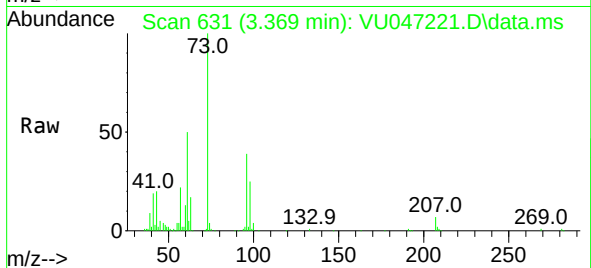




#17
Methyl tert-butyl Ether
Concen: 4.524 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

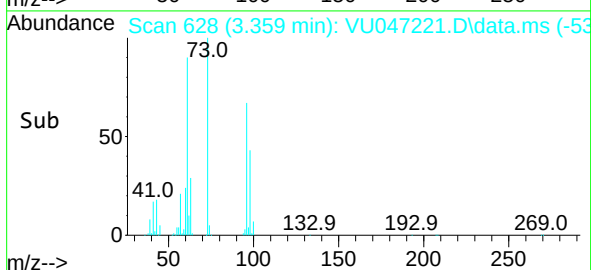
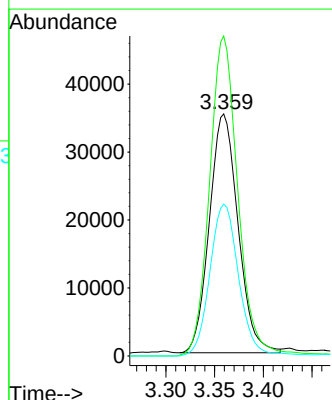
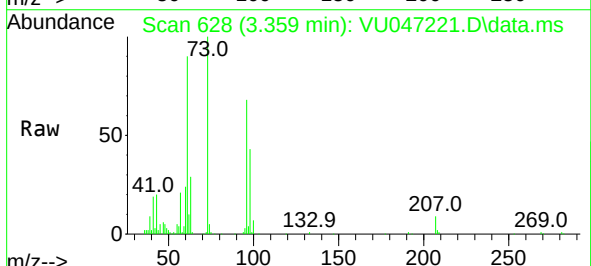
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

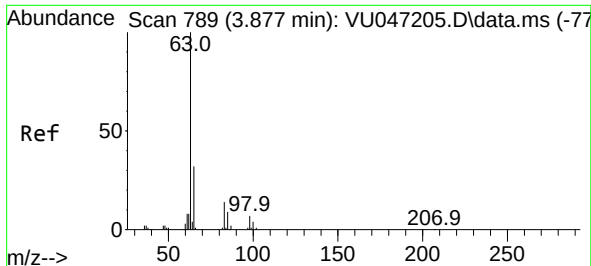
Tgt Ion: 73 Resp: 162217
Ion Ratio Lower Upper
73 100
43 19.5 14.8 22.2
57 22.0 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 5.084 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 96 Resp: 72093
Ion Ratio Lower Upper
96 100
61 132.2 100.8 187.2
98 62.8 45.1 83.7

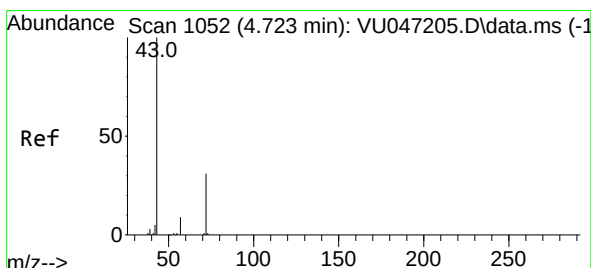
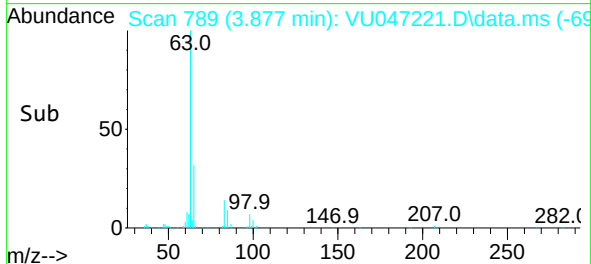
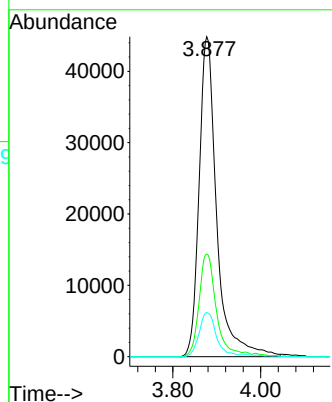
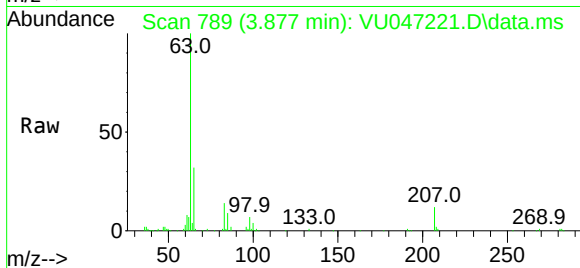




#19
1,1-Dichloroethane
Concen: 5.029 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

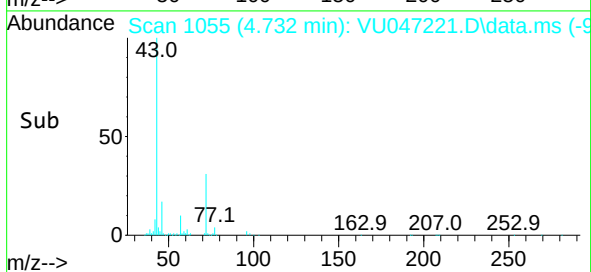
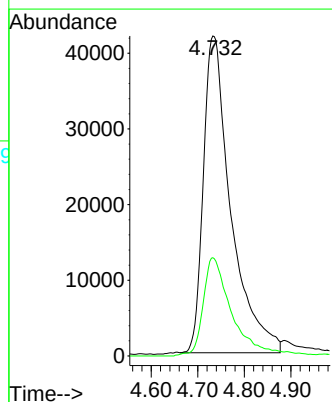
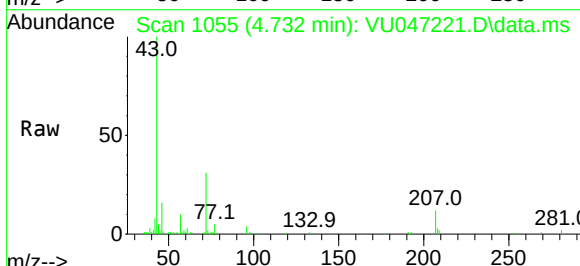
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

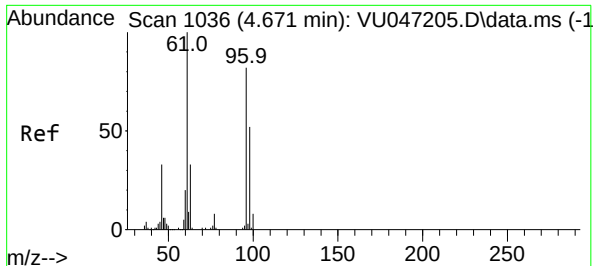
Tgt Ion: 63 Resp: 124650
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.5
83 13.8 9.6 17.8



#21
2-Butanone
Concen: 45.412 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.010 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 43 Resp: 171848
Ion Ratio Lower Upper
43 100
72 31.9 14.1 42.3

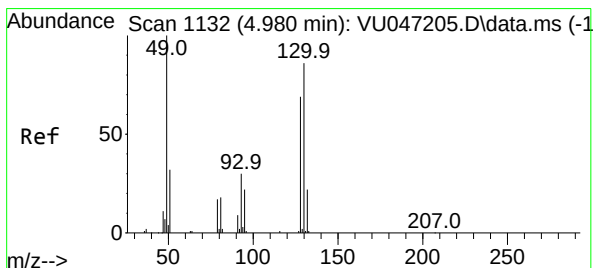
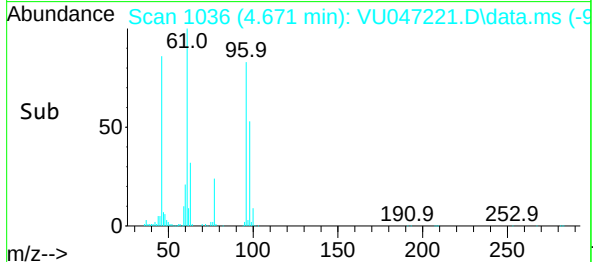
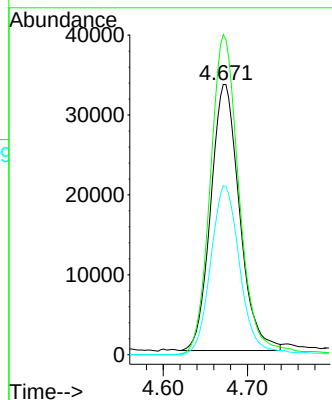
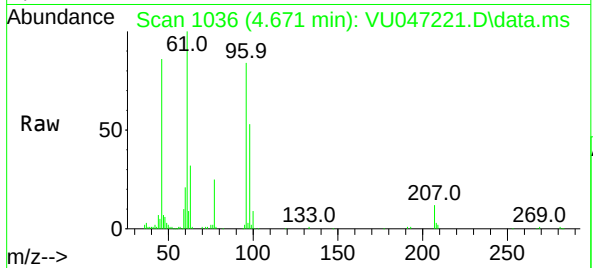




#22
 cis-1,2-Dichloroethene
 Concen: 5.129 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

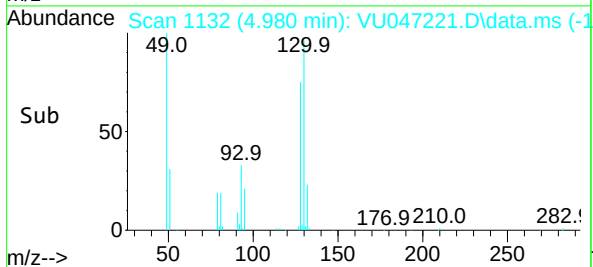
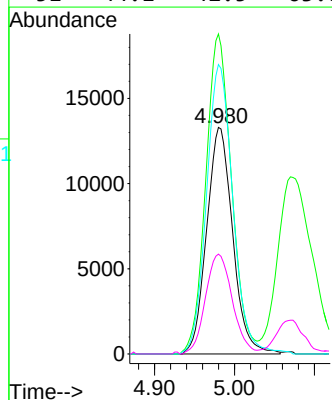
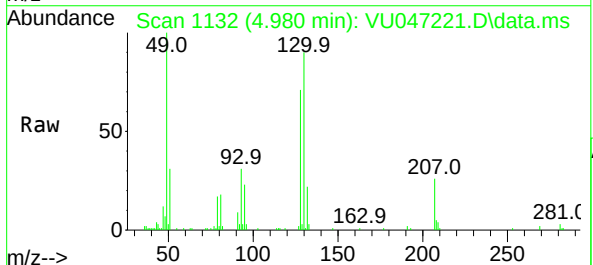
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

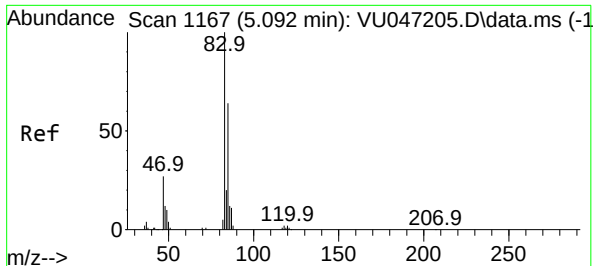
Tgt Ion: 96 Resp: 79152
 Ion Ratio Lower Upper
 96 100
 61 118.4 88.5 164.3
 98 62.5 44.4 82.5



#23
 Bromochloromethane
 Concen: 4.157 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

Tgt Ion: 128 Resp: 30078
 Ion Ratio Lower Upper
 128 100
 49 141.3 117.0 217.2
 130 127.8 88.2 163.8
 51 44.1 42.5 63.7

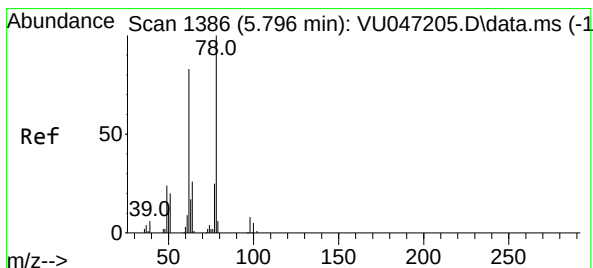
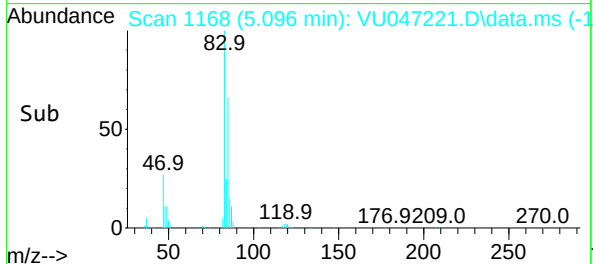
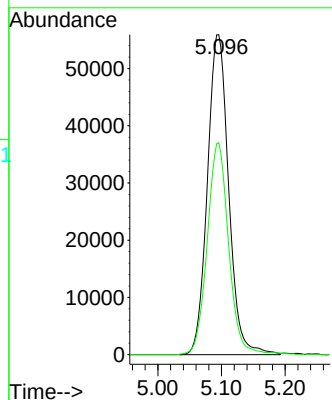
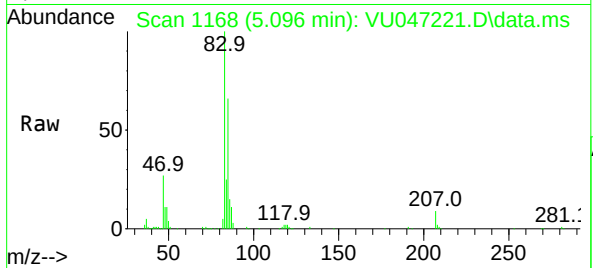




#25
Chloroform
Concen: 5.004 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

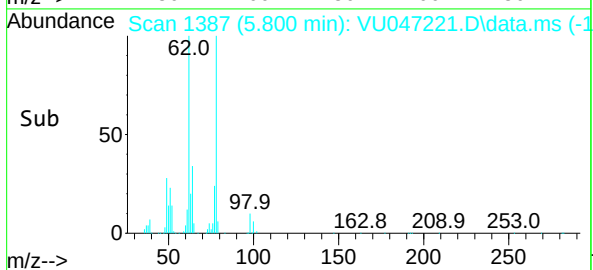
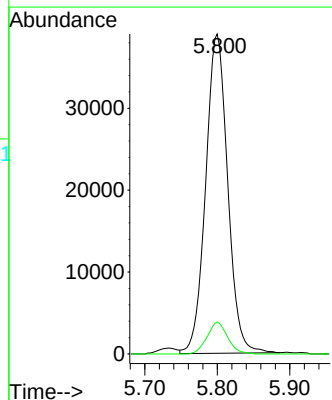
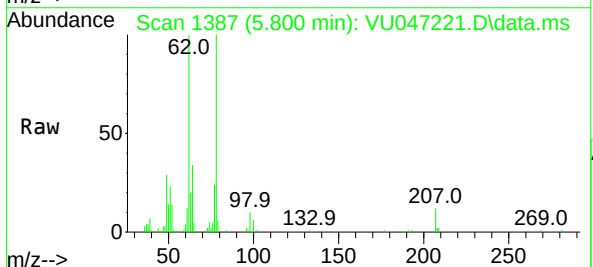
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

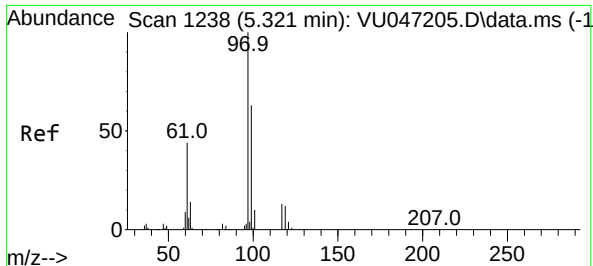
Tgt Ion: 83 Resp: 129885
Ion Ratio Lower Upper
83 100
85 66.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 4.746 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 62 Resp: 82350
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.349 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

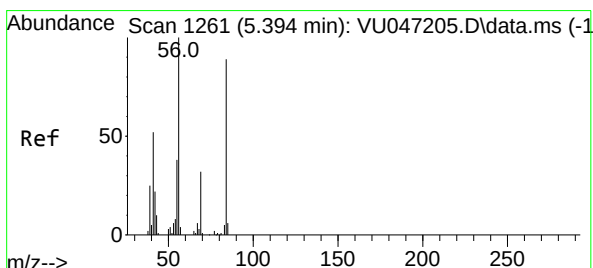
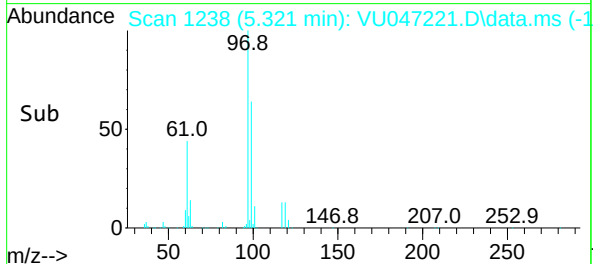
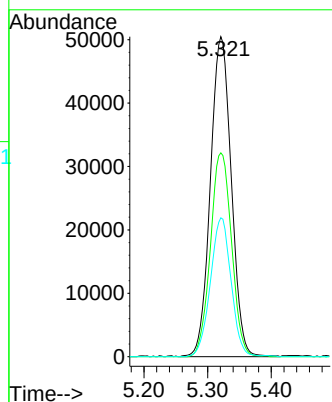
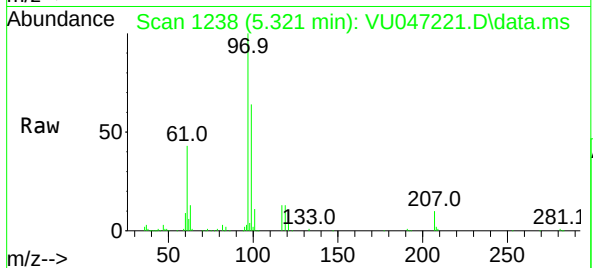
Tgt Ion: 97 Resp: 115207

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 42.9 36.1 54.1



#30

Cyclohexane

Concen: 4.915 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

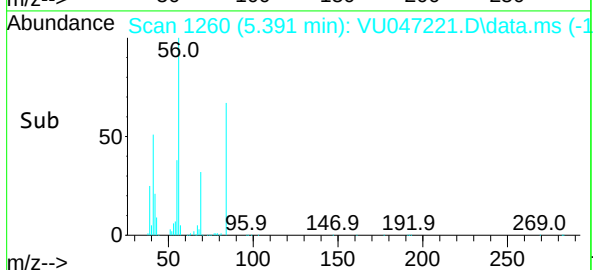
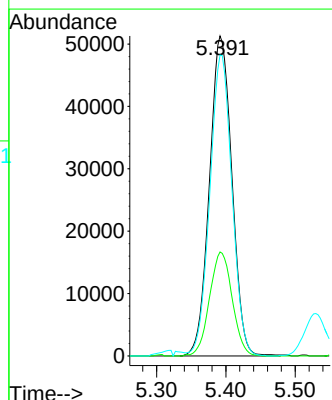
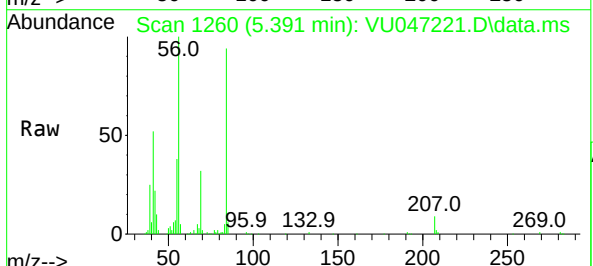
Tgt Ion: 56 Resp: 115534

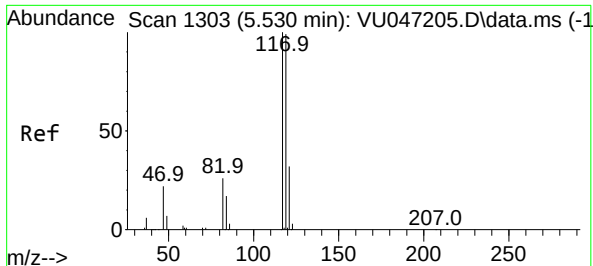
Ion Ratio Lower Upper

56 100

69 32.8 24.7 37.1

84 92.6 71.8 107.6

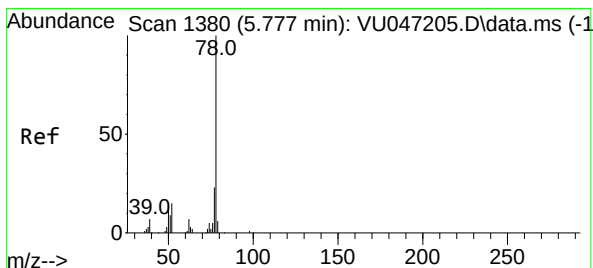
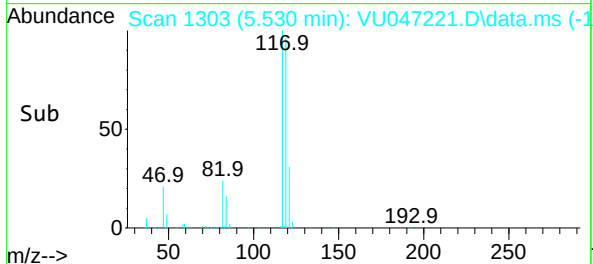
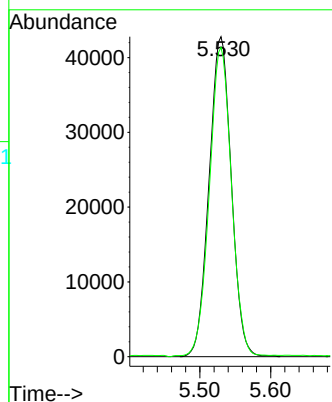
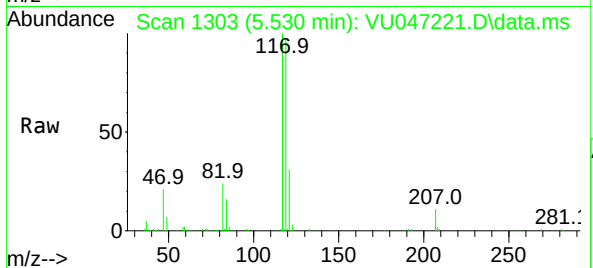




#31
Carbon tetrachloride
Concen: 4.973 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

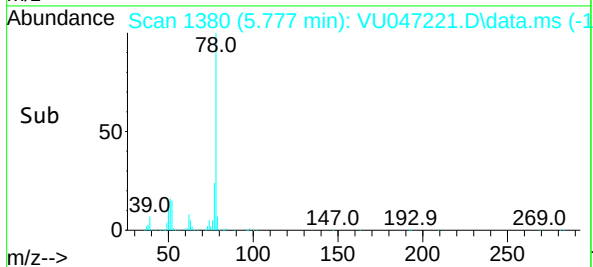
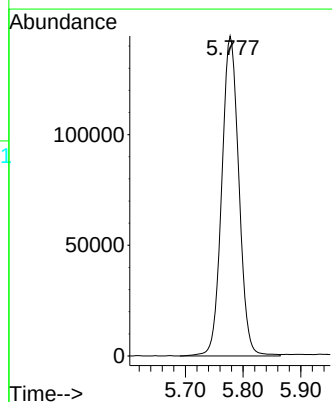
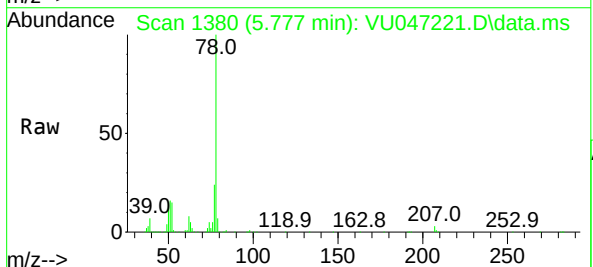
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

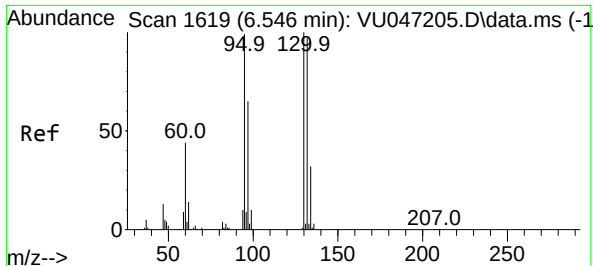
Tgt Ion:117 Resp: 93252
Ion Ratio Lower Upper
117 100
119 96.5 77.5 116.3



#33
Benzene
Concen: 5.270 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 78 Resp: 297850





#34

Trichloroethene

Concen: 5.181 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

Tgt Ion: 95 Resp: 78095

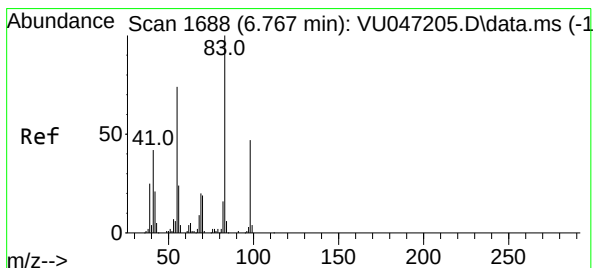
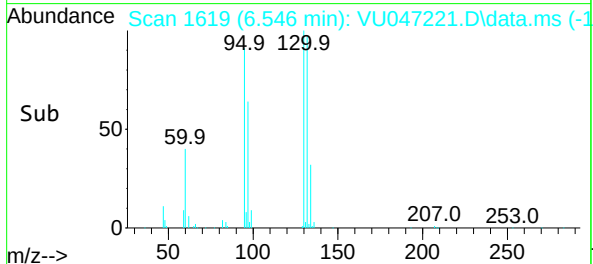
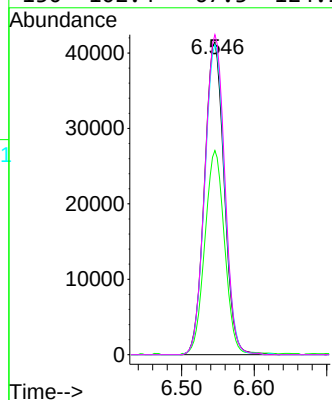
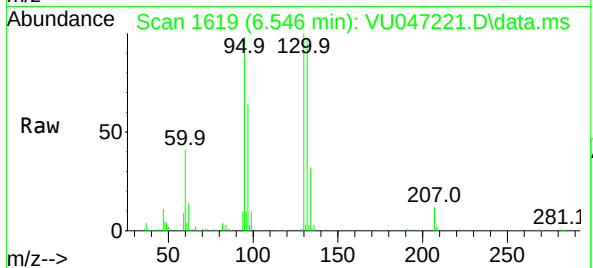
Ion Ratio Lower Upper

95 100

97 65.3 46.5 86.5

132 99.2 65.1 120.9

130 102.4 67.3 124.9



#35

Methylcyclohexane

Concen: 5.004 ug/L

RT: 6.768 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

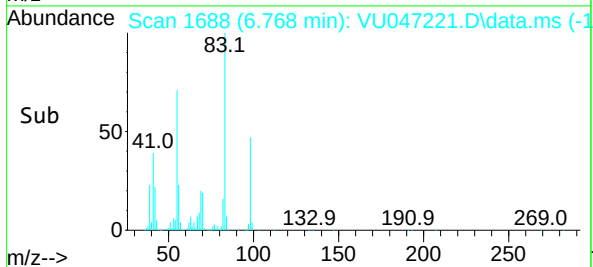
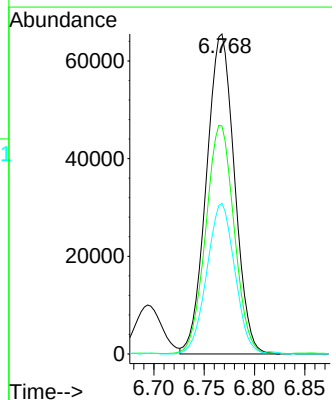
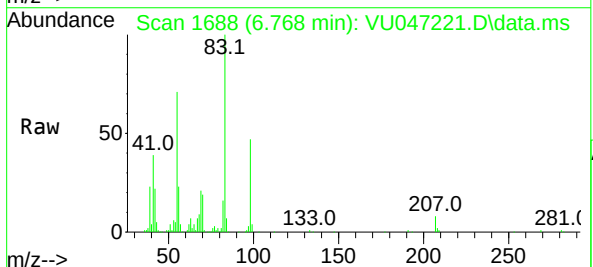
Tgt Ion: 83 Resp: 127280

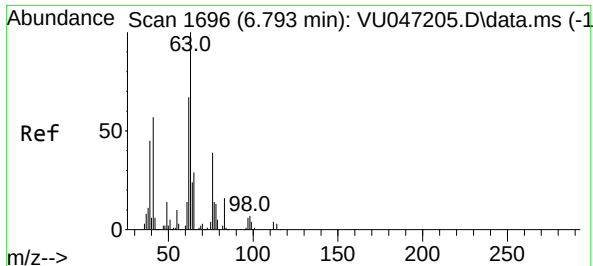
Ion Ratio Lower Upper

83 100

55 72.4 61.9 92.9

98 46.8 39.0 58.6

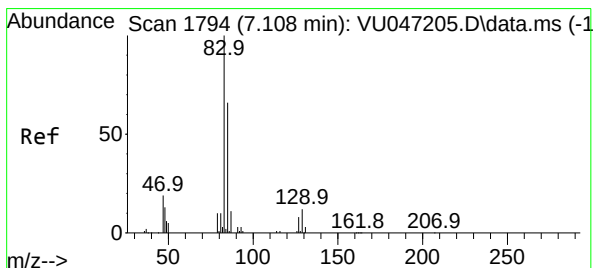
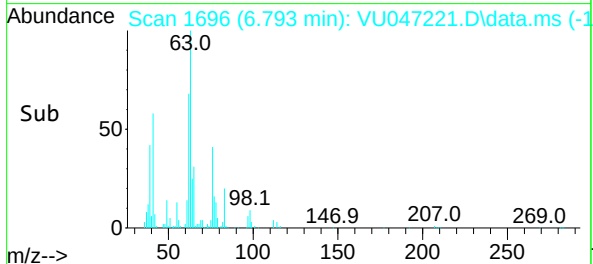
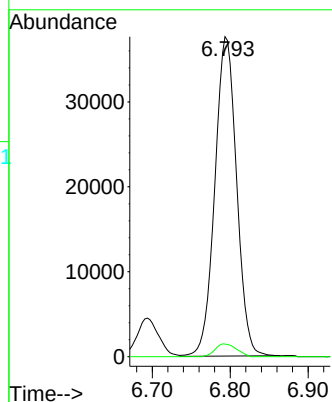
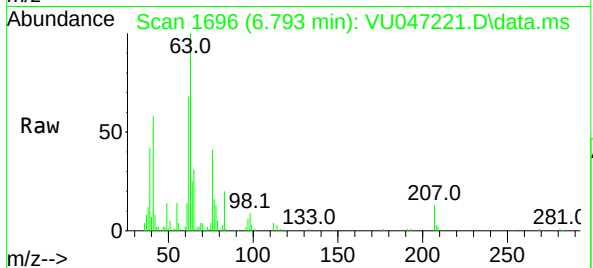




#37
1,2-Dichloropropane
Concen: 4.991 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

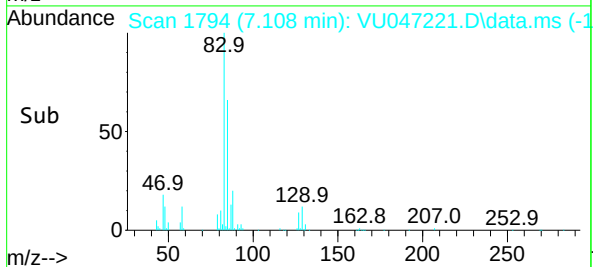
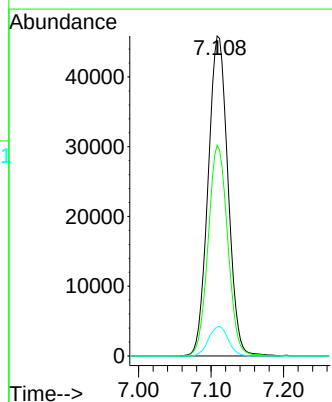
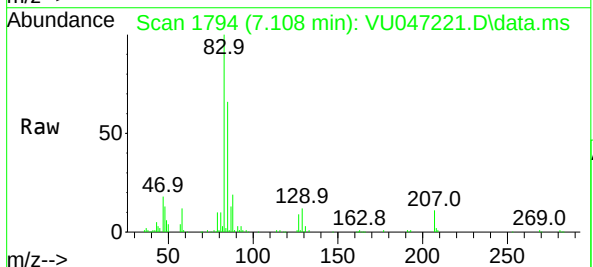
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

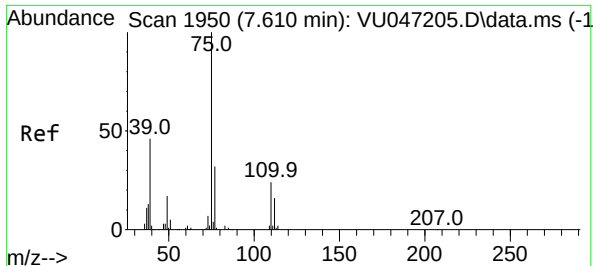
Tgt Ion: 63 Resp: 72913
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 4.671 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 83 Resp: 87173
Ion Ratio Lower Upper
83 100
85 65.9 44.0 81.8
127 9.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.526 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

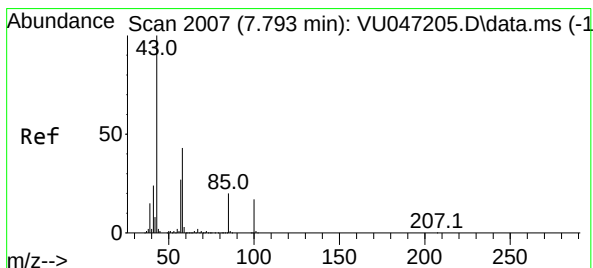
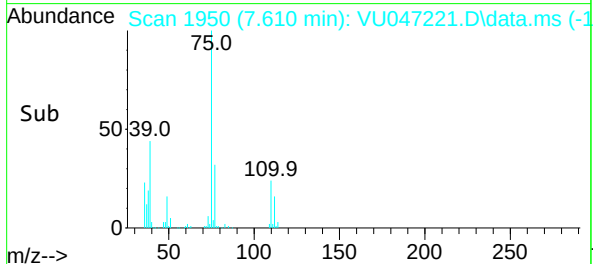
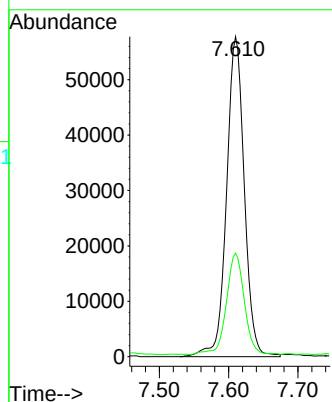
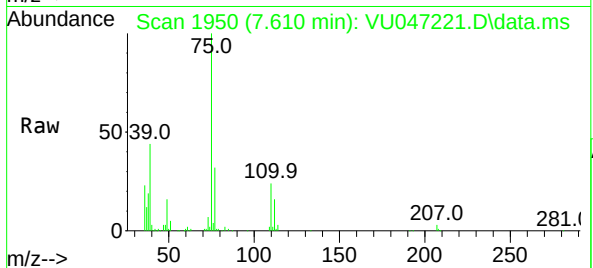
VSTD005195

Tgt Ion: 75 Resp: 102818

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 42.624 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

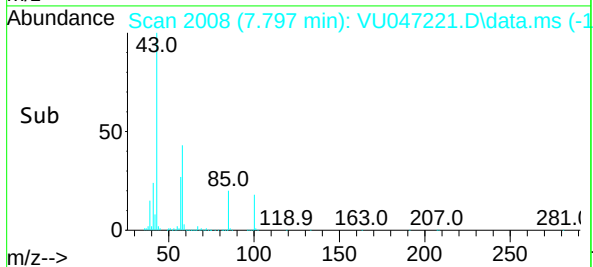
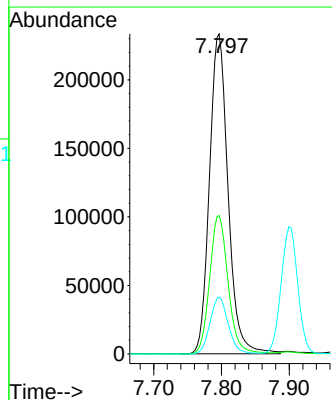
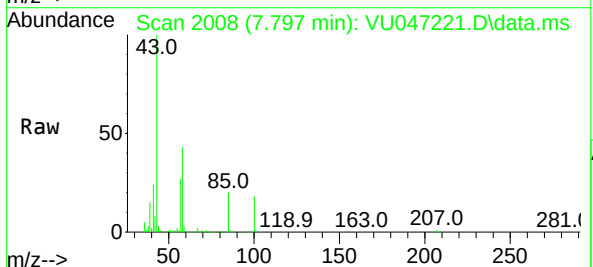
Tgt Ion: 43 Resp: 444300

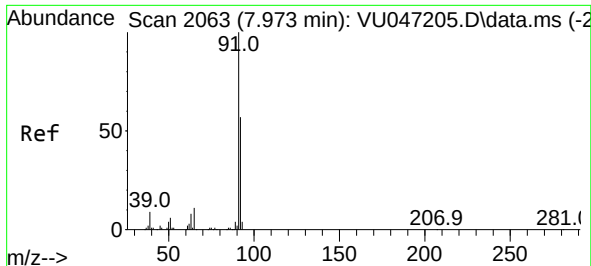
Ion Ratio Lower Upper

43 100

58 43.2 33.1 49.7

100 17.5 13.2 19.8





#42

Toluene

Concen: 5.174 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

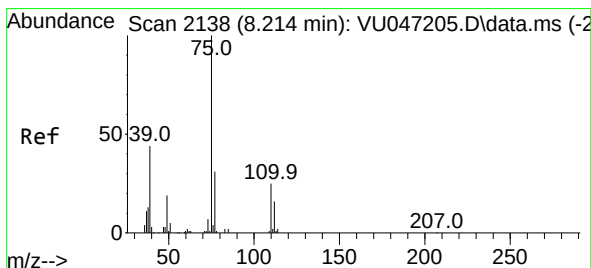
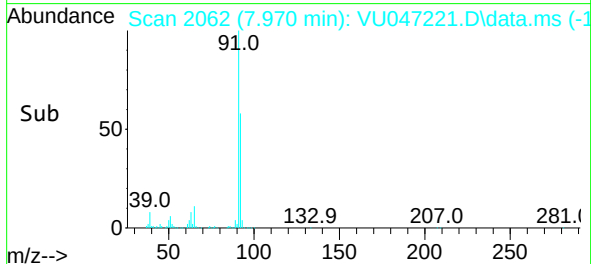
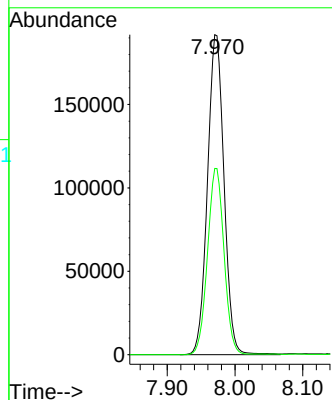
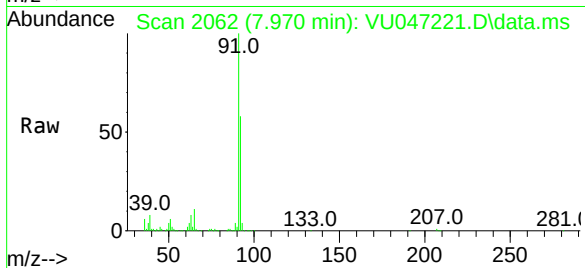
VSTD005195

Tgt Ion: 91 Resp: 325482

Ion Ratio Lower Upper

91 100

92 58.2 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.196 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU047221.D

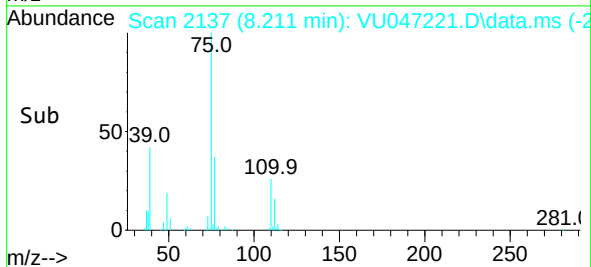
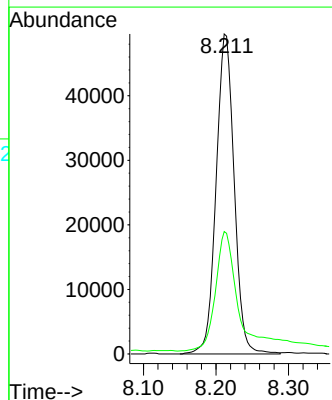
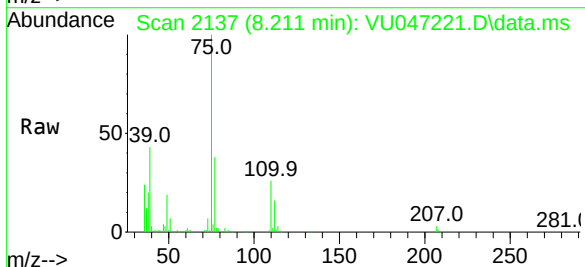
Acq: 17 Feb 2022 22:24

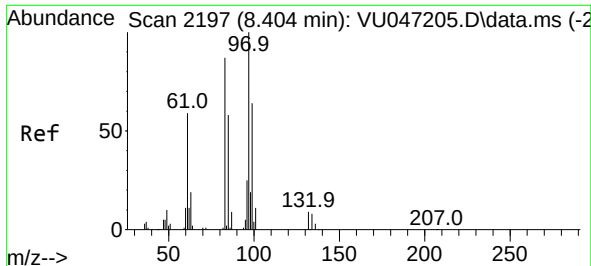
Tgt Ion: 75 Resp: 85876

Ion Ratio Lower Upper

75 100

77 38.3 22.7 42.3

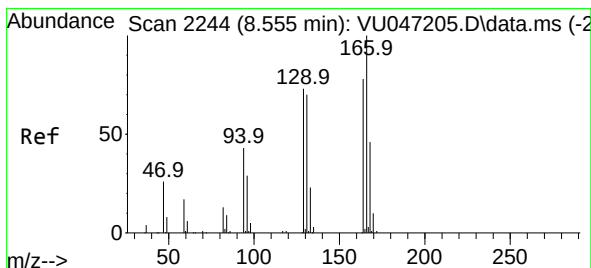
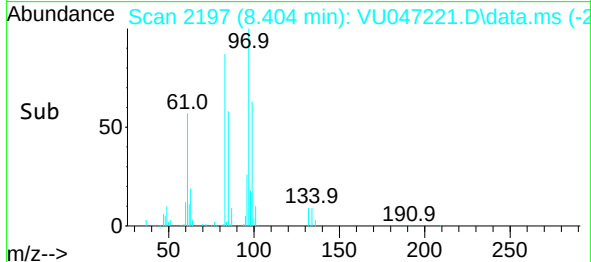
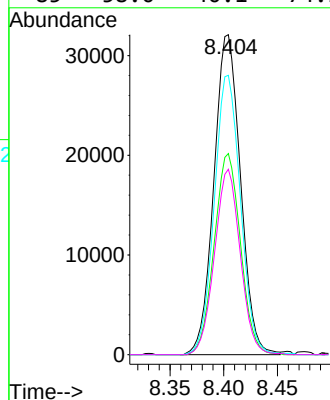
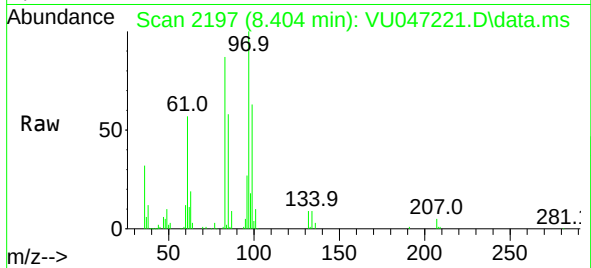




#45
1,1,2-Trichloroethane
Concen: 4.867 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

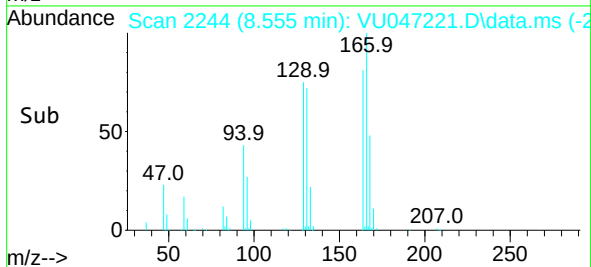
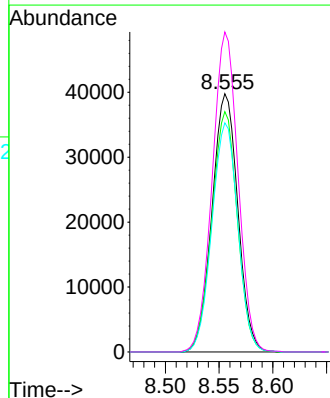
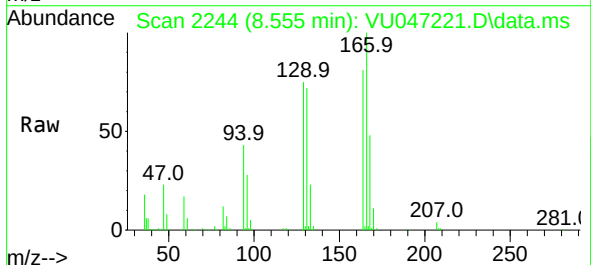
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

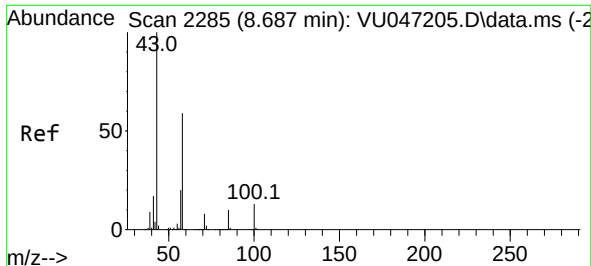
Tgt Ion:	97	Resp:	55210
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.3	78.5
83	87.3	62.0	115.2
85	58.0	40.1	74.5



#47
Tetrachloroethene
Concen: 5.429 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion:	164	Resp:	66419
Ion	Ratio	Lower	Upper
164	100		
129	93.1	71.8	133.4
131	88.7	68.5	127.3
166	123.9	94.1	174.8

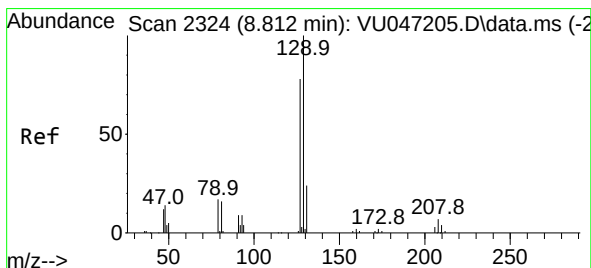
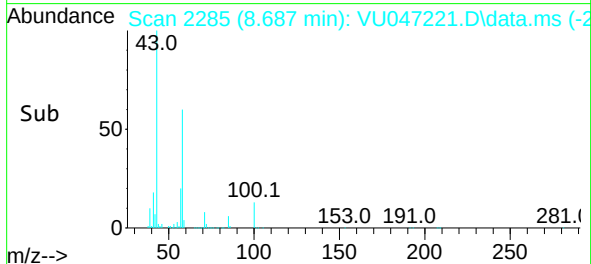
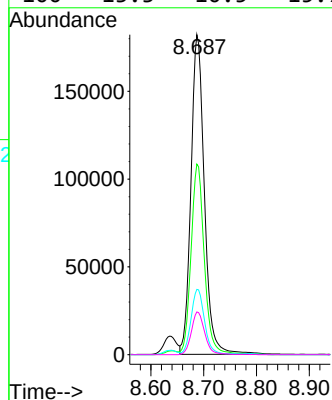
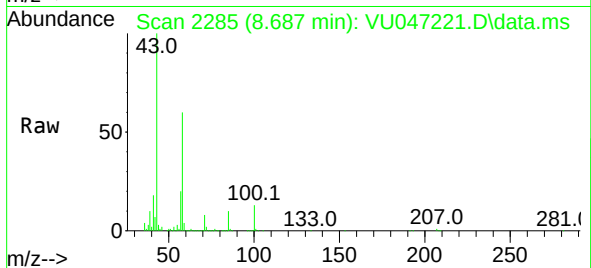




#48
2-Hexanone
Concen: 41.485 ug/L
RT: 8.687 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

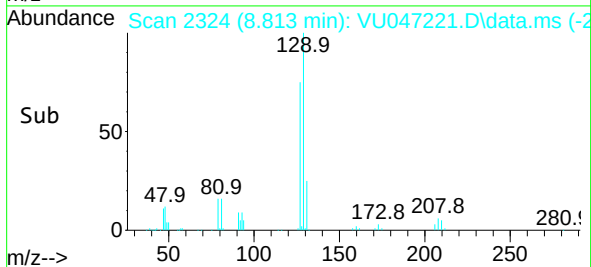
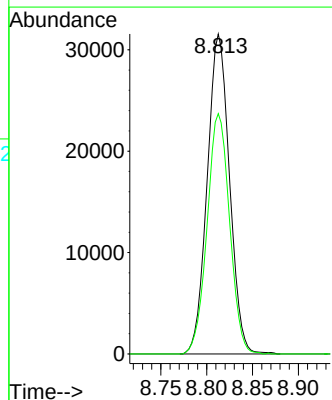
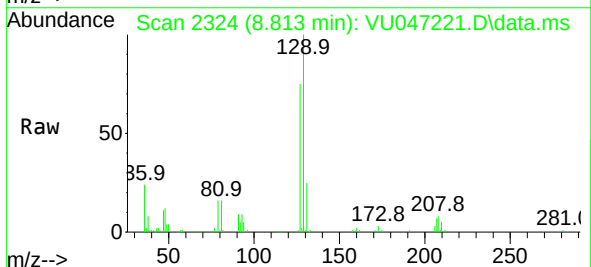
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

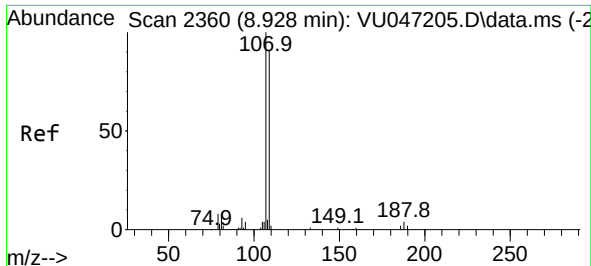
Tgt Ion: 43 Resp: 321510
Ion Ratio Lower Upper
43 100
58 57.8 46.7 70.1
57 20.9 16.3 24.5
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 3.906 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 129 Resp: 53380
Ion Ratio Lower Upper
129 100
127 75.1 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.829 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

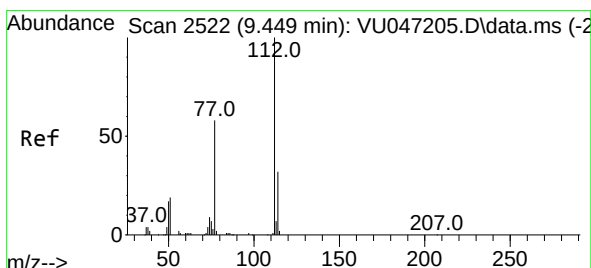
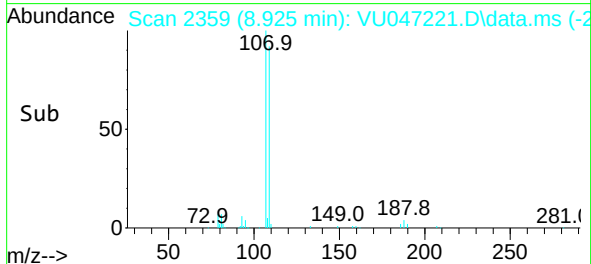
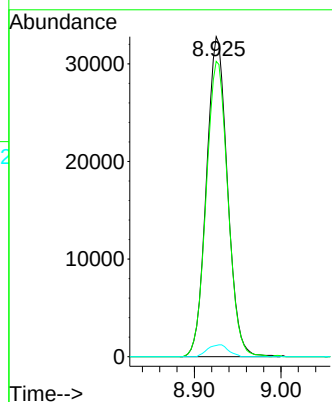
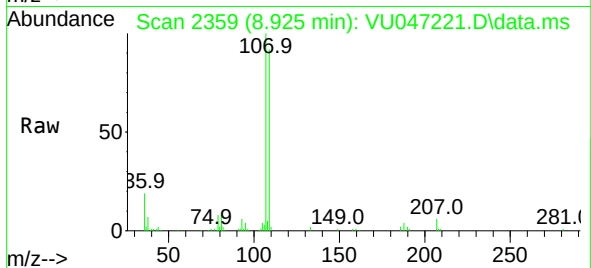
Tgt Ion:107 Resp: 55250

Ion Ratio Lower Upper

107 100

109 92.3 64.0 119.0

188 3.5 2.4 3.6



#51

Chlorobenzene

Concen: 5.123 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

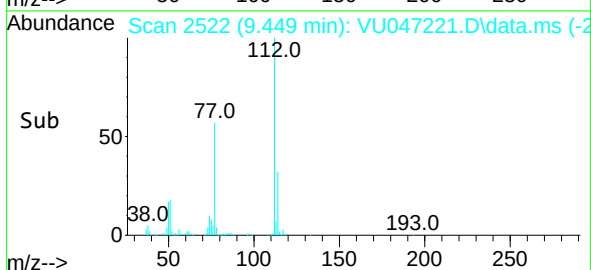
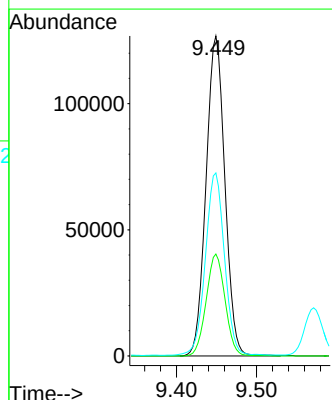
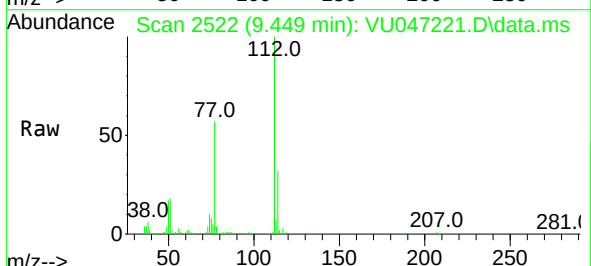
Tgt Ion:112 Resp: 208028

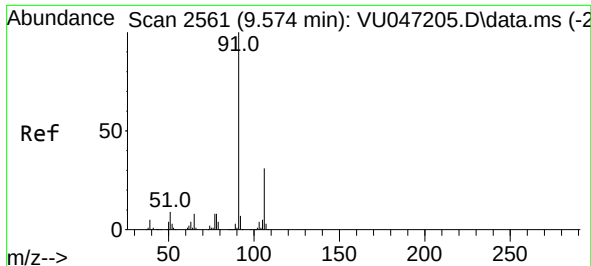
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 57.2 48.3 72.5

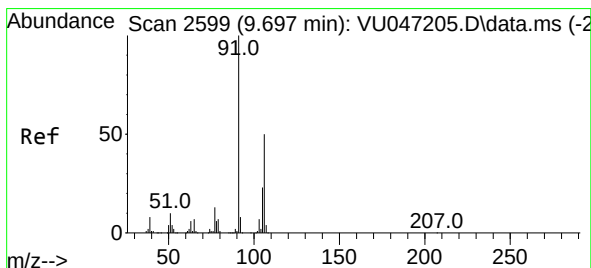
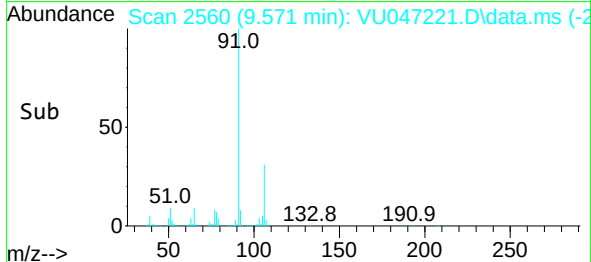
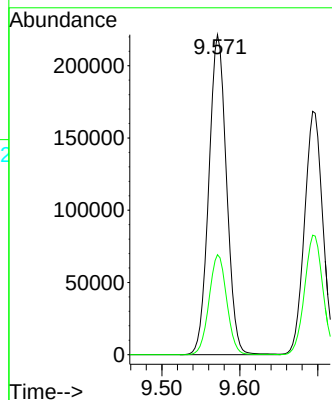
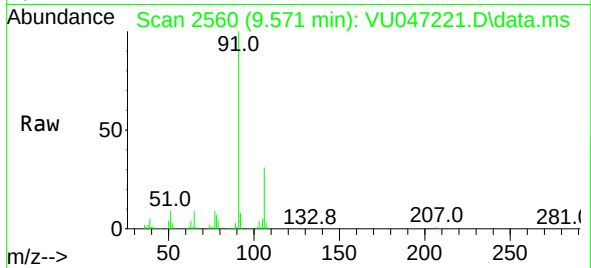




#52
Ethylbenzene
Concen: 5.062 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

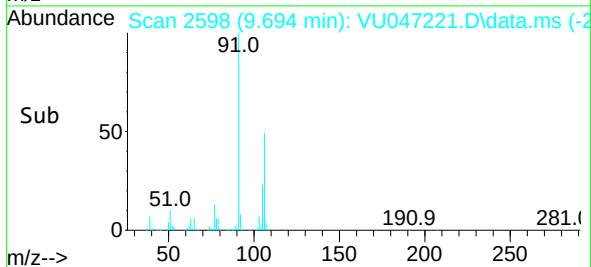
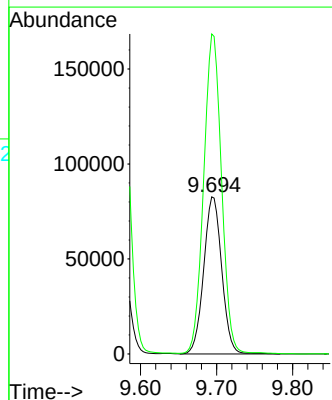
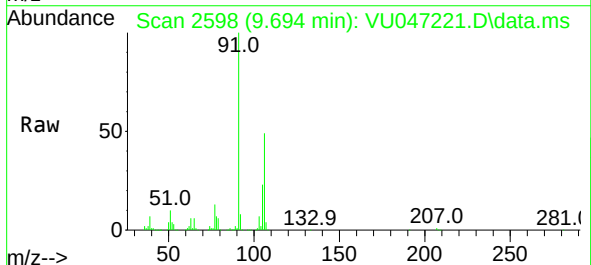
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

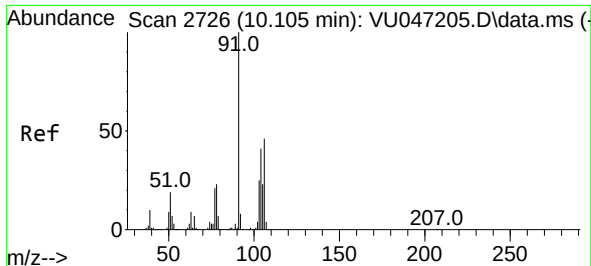
Tgt Ion: 91 Resp: 349004
Ion Ratio Lower Upper
91 100
106 31.3 21.5 39.9



#53
m,p-Xylene
Concen: 5.030 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 106 Resp: 136141
Ion Ratio Lower Upper
106 100
91 203.7 139.4 259.0

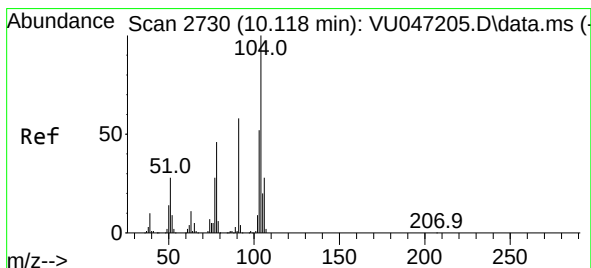
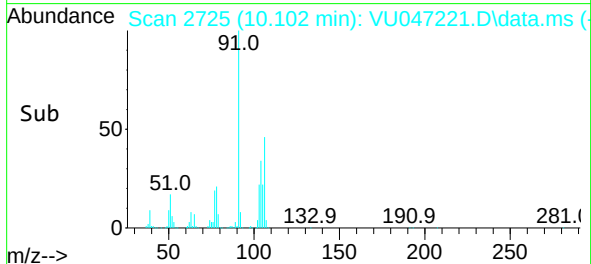
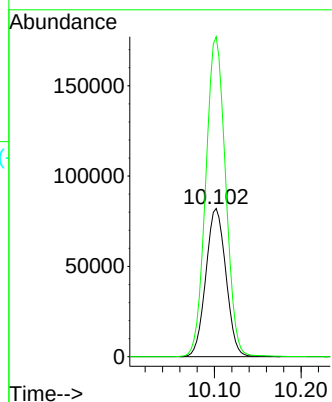
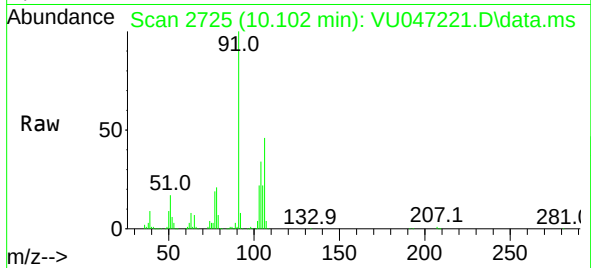




#54
o-Xylene
Concen: 5.011 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

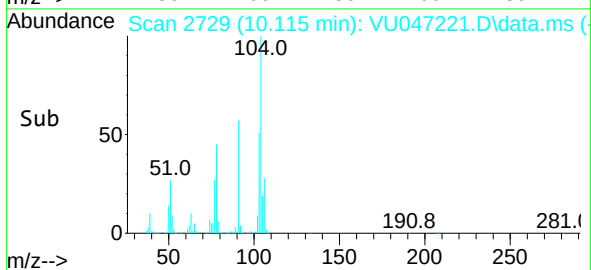
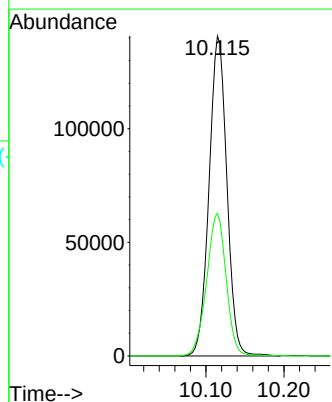
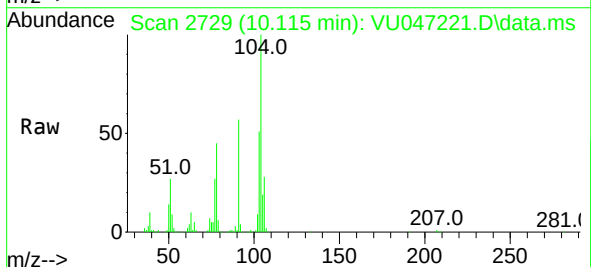
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

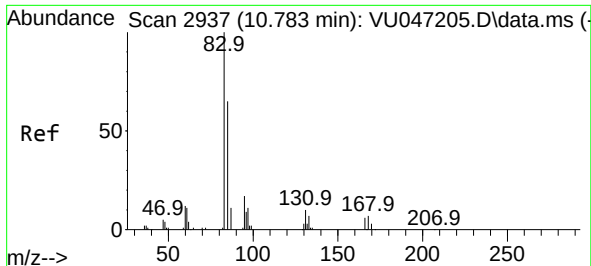
Tgt Ion:106 Resp: 132074
Ion Ratio Lower Upper
106 100
91 216.0 147.5 273.9



#55
Styrene
Concen: 5.085 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion:104 Resp: 224214
Ion Ratio Lower Upper
104 100
78 44.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.605 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

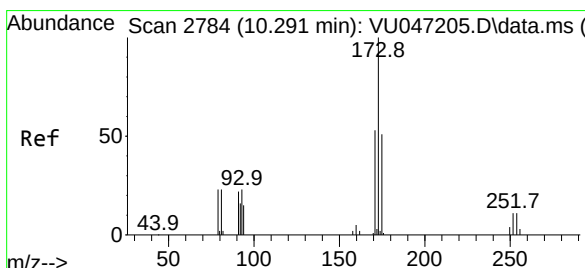
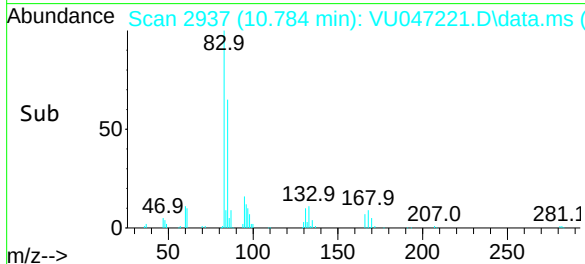
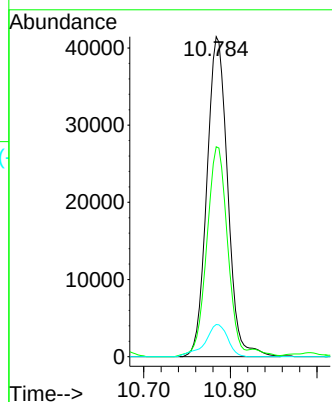
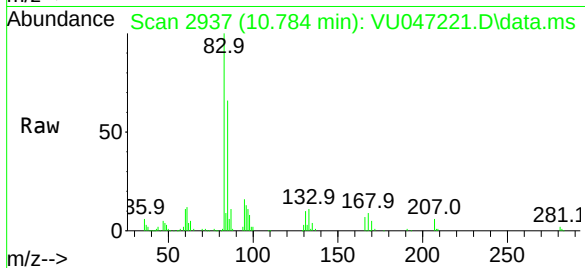
Tgt Ion: 83 Resp: 69141

Ion Ratio Lower Upper

83 100

85 65.6 47.9 89.1

131 10.1 8.1 12.1



#59

Bromoform

Concen: 2.399 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

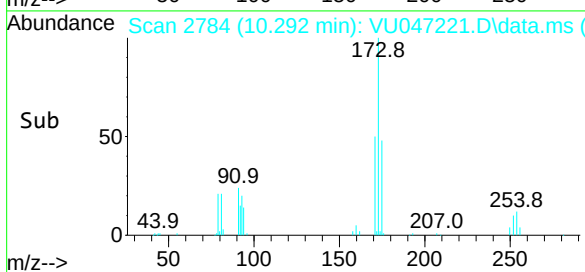
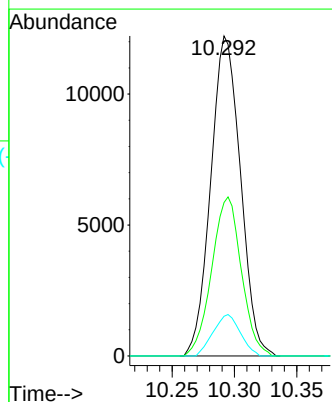
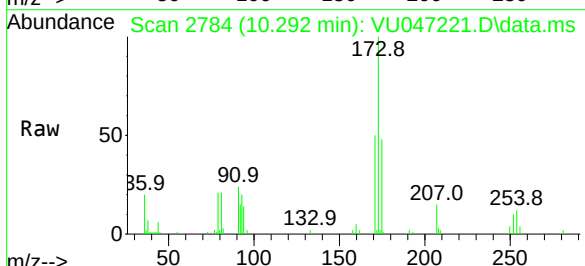
Tgt Ion:173 Resp: 20275

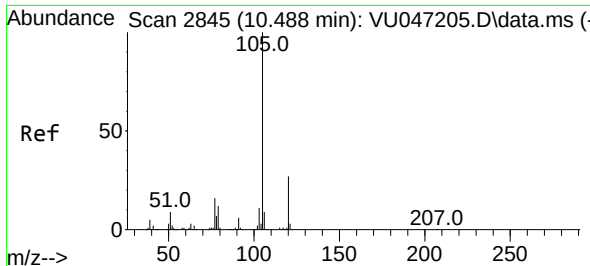
Ion Ratio Lower Upper

173 100

175 49.5 37.8 56.6

254 11.8 7.3 10.9#

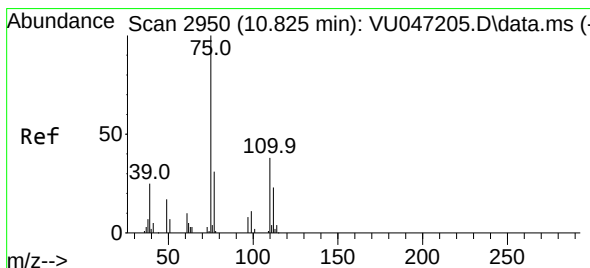
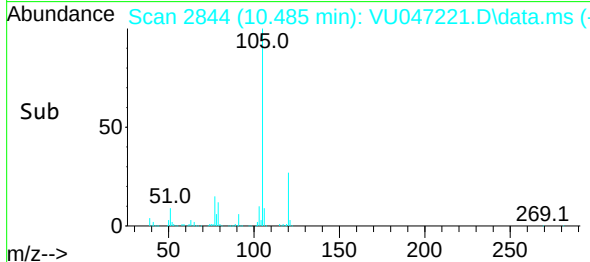
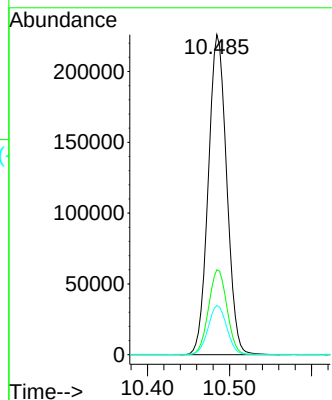
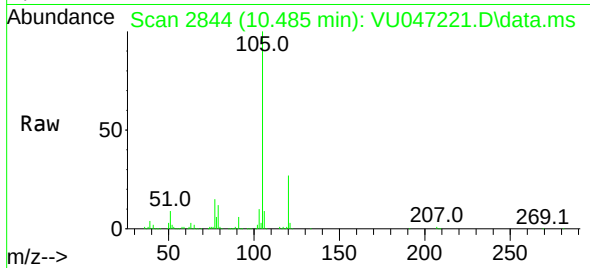




#60
Isopropylbenzene
Concen: 5.163 ug/L
RT: 10.485 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

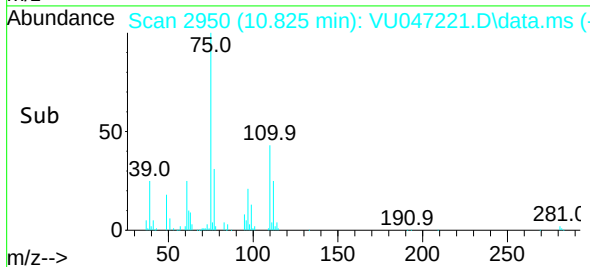
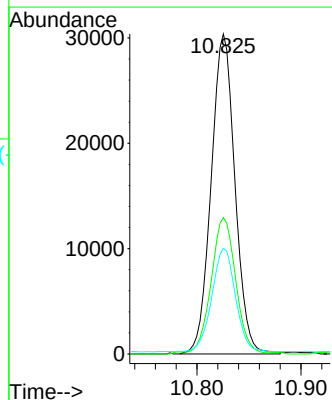
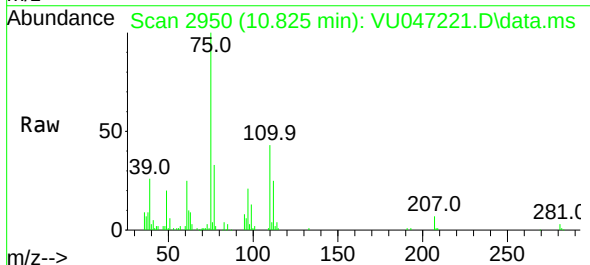
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

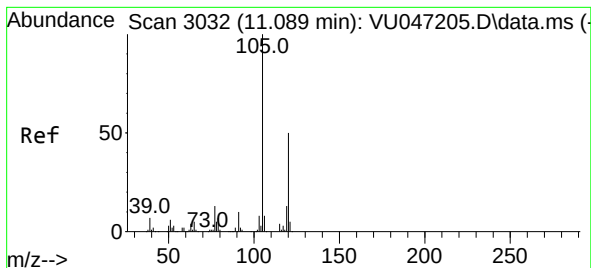
Tgt Ion:105 Resp: 351489
Ion Ratio Lower Upper
105 100
120 26.6 20.7 31.1
77 15.4 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.360 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion: 75 Resp: 48314
Ion Ratio Lower Upper
75 100
110 44.2 29.9 44.9
77 32.3 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.118 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

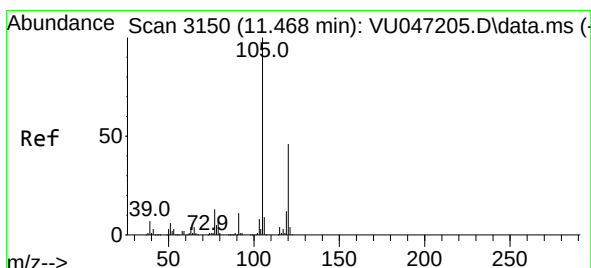
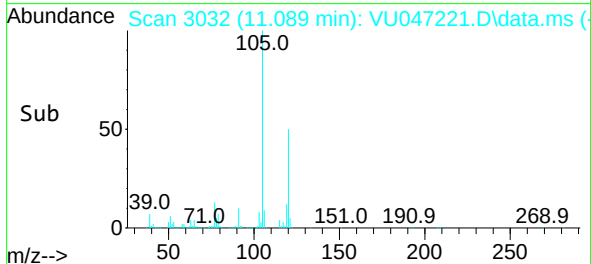
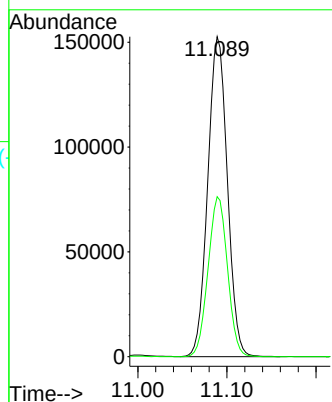
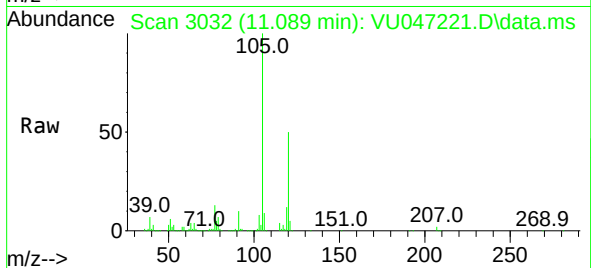
VSTD005195

Tgt Ion:105 Resp: 232669

Ion Ratio Lower Upper

105 100

120 49.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.164 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047221.D

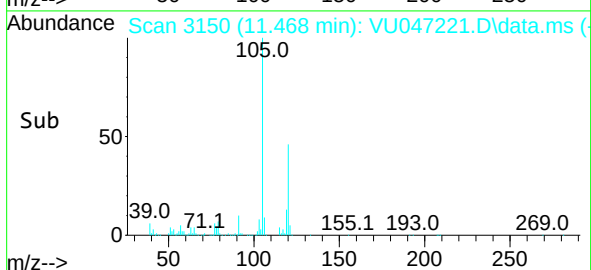
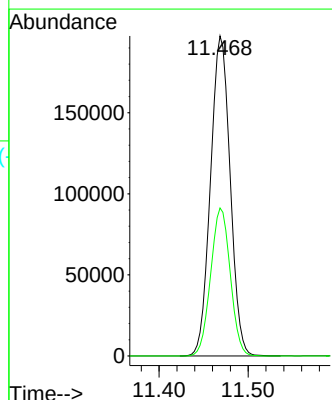
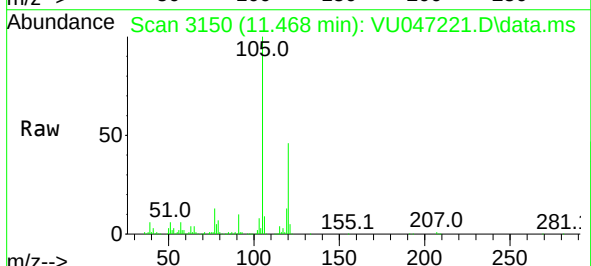
Acq: 17 Feb 2022 22:24

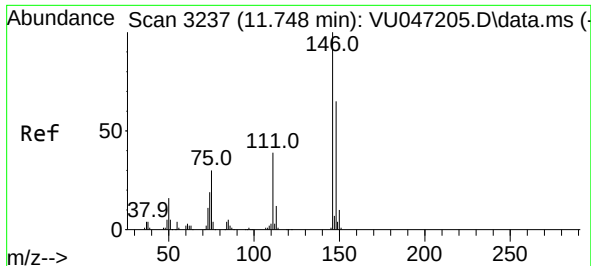
Tgt Ion:105 Resp: 302222

Ion Ratio Lower Upper

105 100

120 46.0 35.8 53.8

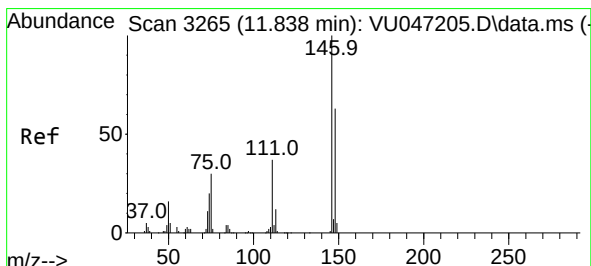
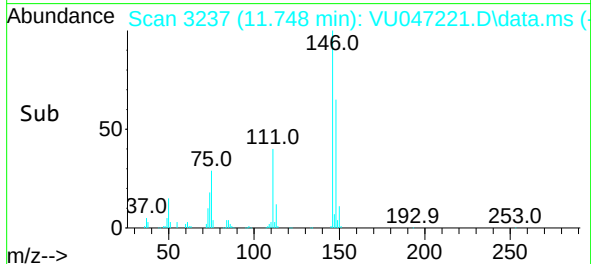
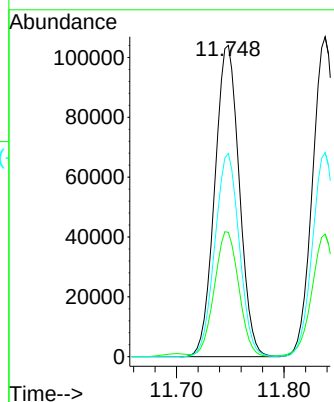
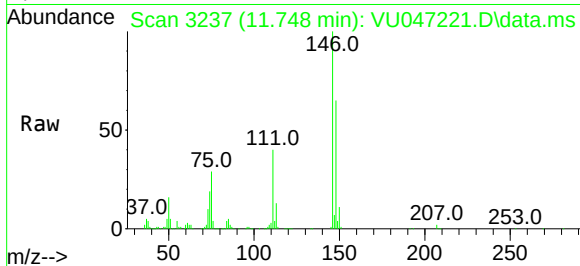




#64
1,3-Dichlorobenzene
Concen: 5.031 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

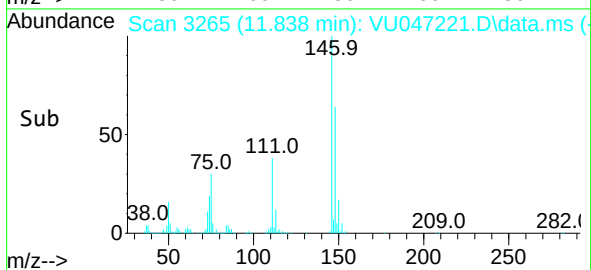
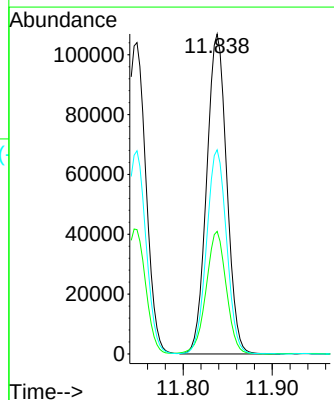
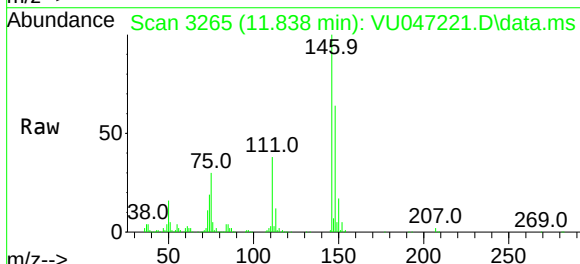
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

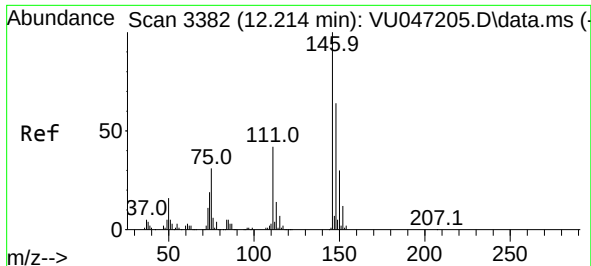
Tgt Ion:146 Resp: 165183
Ion Ratio Lower Upper
146 100
111 40.0 29.9 55.5
148 65.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.030 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047221.D
Acq: 17 Feb 2022 22:24

Tgt Ion:146 Resp: 167108
Ion Ratio Lower Upper
146 100
111 38.3 28.7 53.3
148 63.8 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.976 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

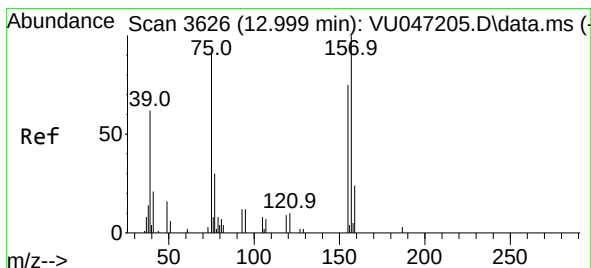
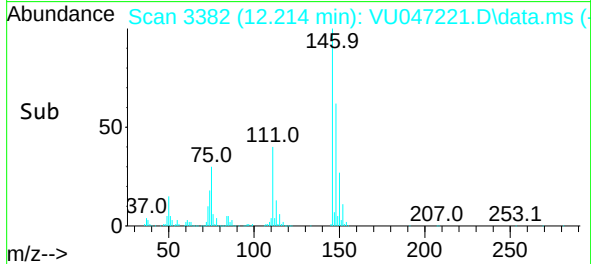
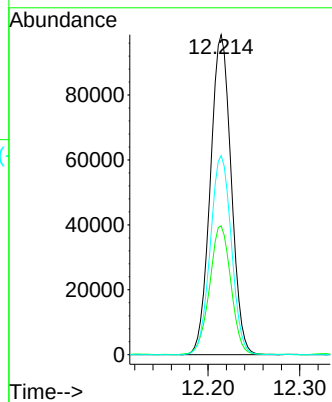
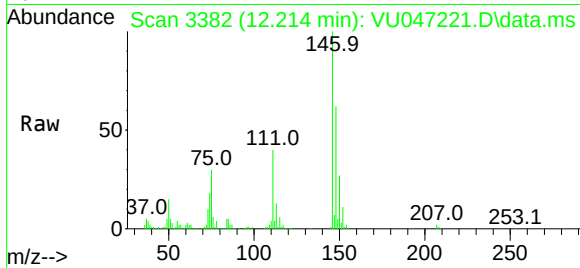
Tgt Ion:146 Resp: 155616

Ion Ratio Lower Upper

146 100

111 40.2 35.4 53.0

148 62.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 3.749 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

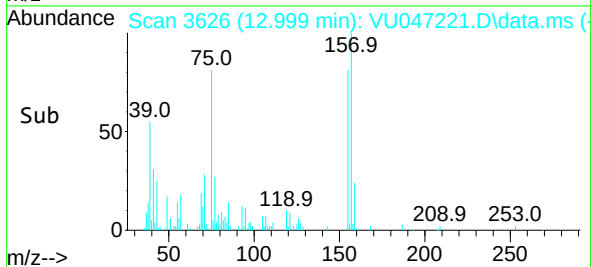
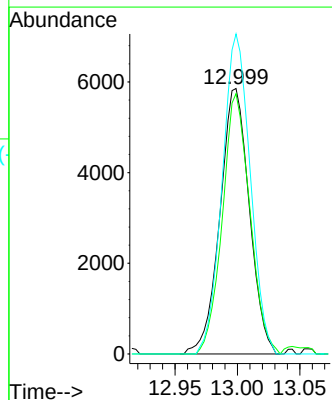
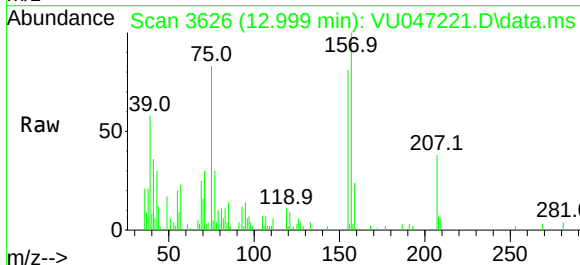
Tgt Ion: 75 Resp: 9596

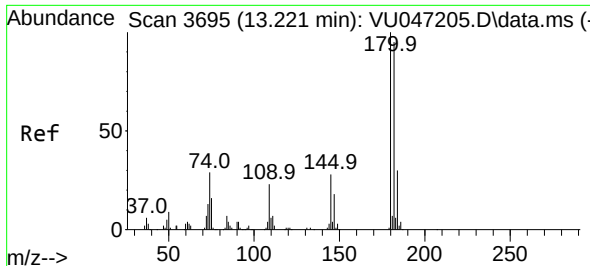
Ion Ratio Lower Upper

75 100

155 98.1 59.2 88.8#

157 120.6 76.5 114.7#

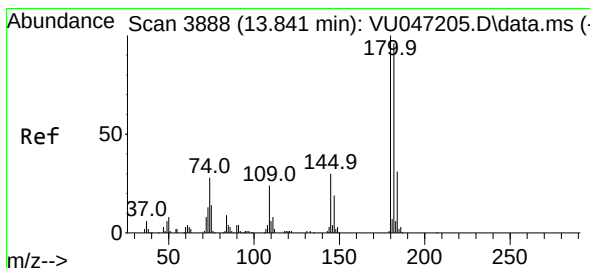
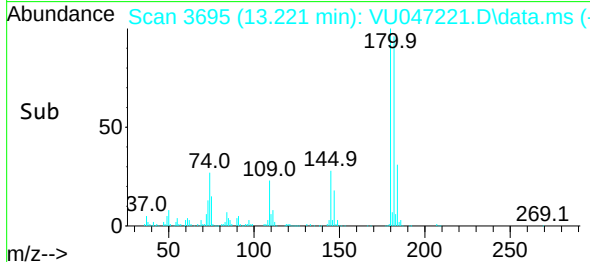
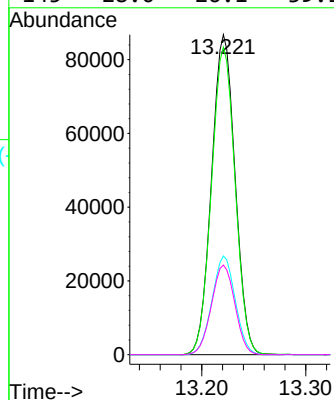
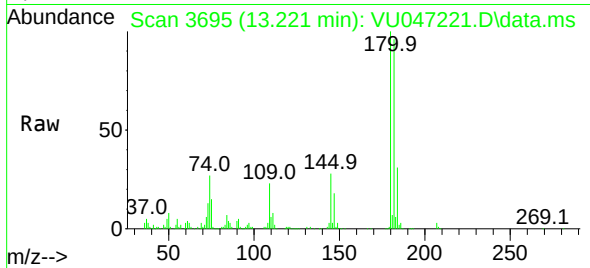




#69
 1,3,5-Trichlorobenzene
 Concen: 5.021 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

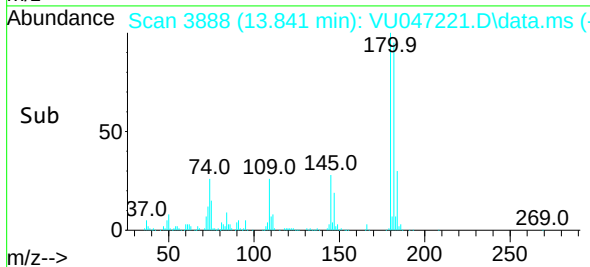
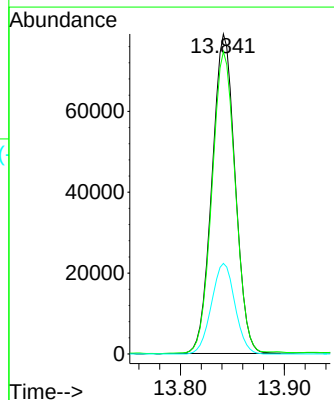
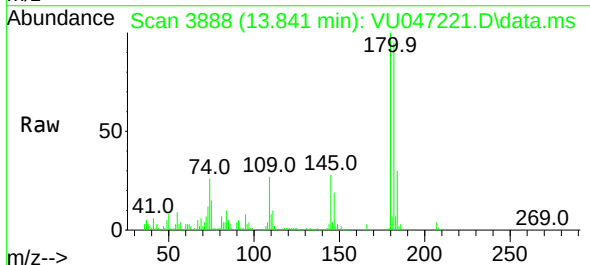
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

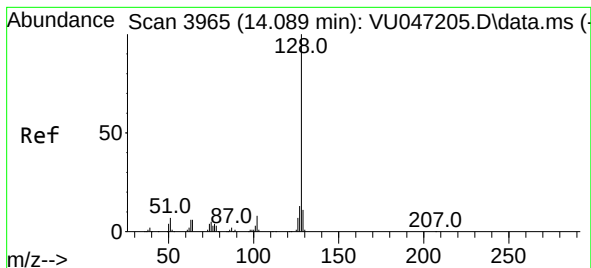
Tgt Ion:180 Resp: 136218
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.1 114.1
 184 30.6 25.0 37.4
 145 28.0 26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.834 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047221.D
 Acq: 17 Feb 2022 22:24

Tgt Ion:180 Resp: 122084
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.4 114.6
 145 28.8 25.6 38.4





#71

Naphthalene

Concen: 4.589 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

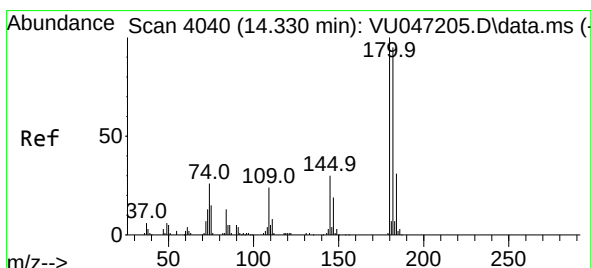
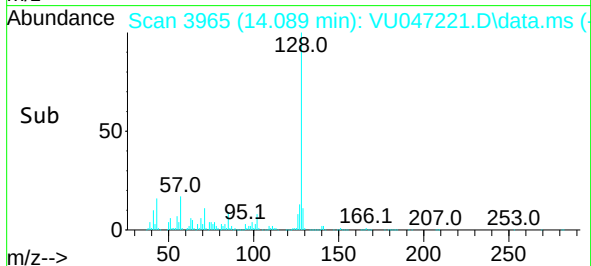
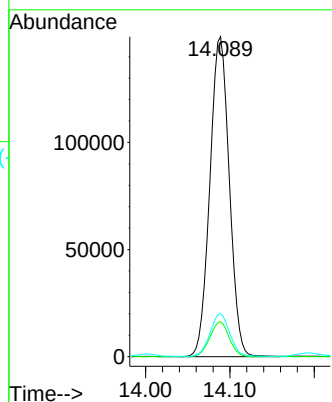
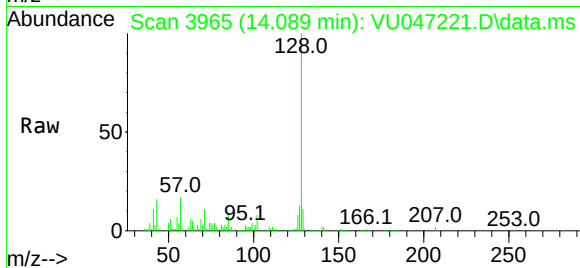
Tgt Ion:128 Resp: 239197

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 13.8 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.667 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047221.D

Acq: 17 Feb 2022 22:24

Tgt Ion:180 Resp: 110851

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 30.2 28.4 42.6

