

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031022\
 Data File : VU047453.D
 Acq On : 10 Mar 2022 12:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005094

Quant Time: Mar 11 00:50:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 10 03:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	156106	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	148636	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83863	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	39908	4.714	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.200%
7) Chloroethane-d5	1.919	69	30750	4.947	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.571	65	17980	4.808	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.200%
20) 2-Butanone-d5	4.642	46	74833	49.645	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.280%
24) Chloroform-d	5.067	84	67371	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.706	65	33453	4.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.732	84	136068	4.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.693	67	40635	4.913	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.899	98	134616	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.182	79	17768	5.060	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.636	63	77262	49.945	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35852	4.974	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	52815	4.967	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	61856	5.292	ug/L	100
3) Chloromethane	1.526	50	59144	5.067	ug/L	96
5) Vinyl chloride	1.607	62	60483	5.268	ug/L	98
6) Bromomethane	1.864	94	22004	3.361	ug/L	99
8) Chloroethane	1.941	64	35542	5.097	ug/L	99
9) Trichlorofluoromethane	2.144	101	78697	5.203	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	50086	5.363	ug/L	99
12) 1,1-Dichloroethene	2.588	96	47521	5.185	ug/L	99
13) Acetone	2.658	43	75519	54.528	ug/L	92
14) Carbon disulfide	2.800	76	146145	5.195	ug/L	99
15) Methyl Acetate	2.964	43	19781	5.405	ug/L	100
16) Methylene chloride	3.051	84	54940	5.022	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	122815	5.196	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	50492	5.146	ug/L	96
19) 1,1-Dichloroethane	3.874	63	89180	5.344	ug/L	99
21) 2-Butanone	4.722	43	140289	56.249	ug/L	96
22) cis-1,2-Dichloroethene	4.671	96	57043	5.246	ug/L	97
23) Bromochloromethane	4.980	128	28187	5.426	ug/L	97
25) Chloroform	5.095	83	95676	5.294	ug/L	98

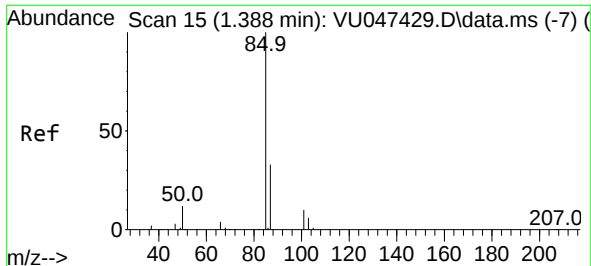
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031022\
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	60844	5.230	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	80931	5.270	ug/L	98
30) Cyclohexane	5.394	56	77155	5.215	ug/L	98
31) Carbon tetrachloride	5.530	117	70420	5.221	ug/L	97
33) Benzene	5.777	78	209479	5.218	ug/L	100
34) Trichloroethene	6.546	95	56956	5.308	ug/L	98
35) Methylcyclohexane	6.767	83	88180	5.209	ug/L	99
37) 1,2-Dichloropropane	6.793	63	52944	5.296	ug/L	100
38) Bromodichloromethane	7.108	83	71531	5.389	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	82605	5.450	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	364461	53.478	ug/L	99
42) Toluene	7.973	91	230960	5.296	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	72144	5.278	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	44572	5.440	ug/L	98
47) Tetrachloroethene	8.555	164	47236	5.189	ug/L	99
48) 2-Hexanone	8.690	43	270073	54.622	ug/L	99
49) Dibromochloromethane	8.812	129	54056	5.431	ug/L	97
50) 1,2-Dibromoethane	8.925	107	44424	5.328	ug/L	98
51) Chlorobenzene	9.449	112	154035	5.280	ug/L	98
52) Ethylbenzene	9.571	91	248722	5.266	ug/L	100
53) m,p-Xylene	9.697	106	97766	5.277	ug/L	98
54) o-Xylene	10.102	106	95019	5.294	ug/L	99
55) Styrene	10.115	104	164188	5.411	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	58780	5.359	ug/L	96
59) Bromoform	10.291	173	34288	5.431	ug/L	99
60) Isopropylbenzene	10.484	105	248467	5.295	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	41278	5.314	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	161916	5.261	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	209852	5.256	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	131351	5.281	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	133062	5.269	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	126365	5.288	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	9663	5.518	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	111593	5.471	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	96008	5.280	ug/L	99
71) Naphthalene	14.085	128	170227	5.234	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	88330	5.298	ug/L	99

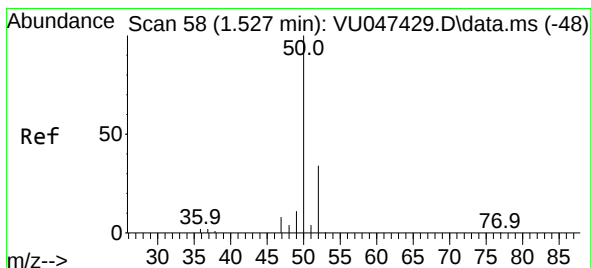
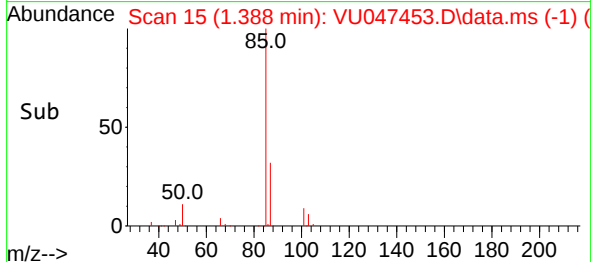
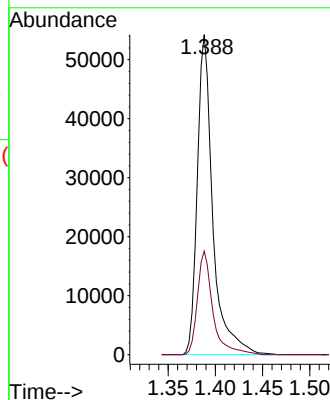
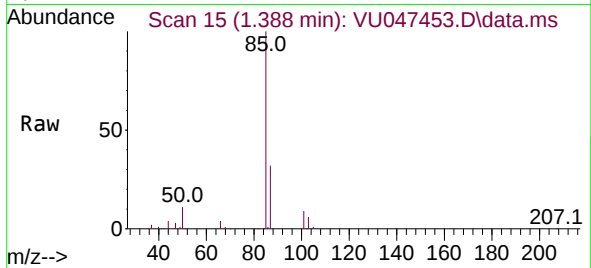
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.292 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

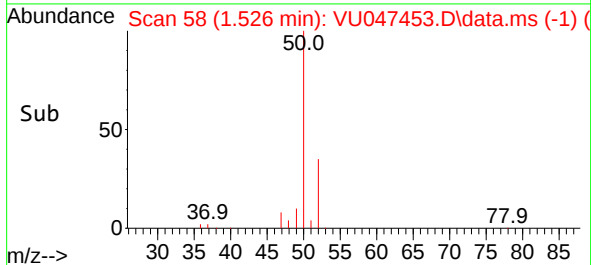
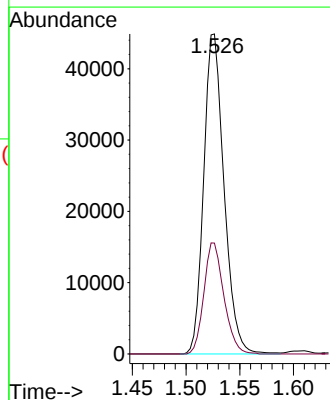
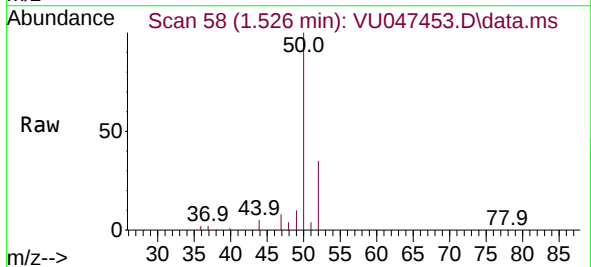
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ClientSampleId :
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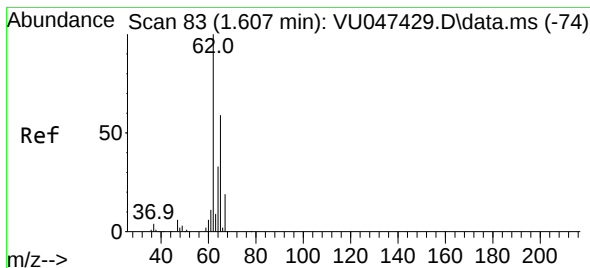
Tgt Ion: 85 Resp: 61856
Ion Ratio Lower Upper
85 100
87 32.2 25.6 38.4



#3
Chloromethane
Concen: 5.067 ug/L
RT: 1.526 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 50 Resp: 59144
Ion Ratio Lower Upper
50 100
52 34.6 22.5 41.9





#5

Vinyl chloride

Concen: 5.268 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

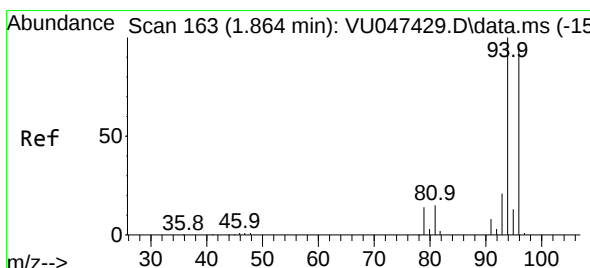
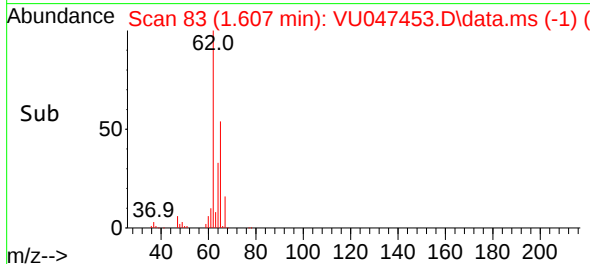
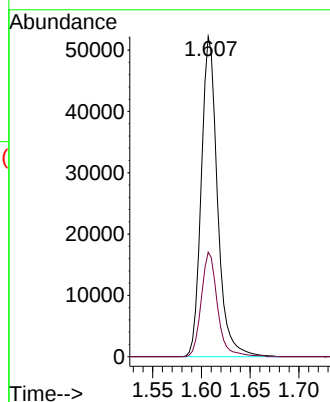
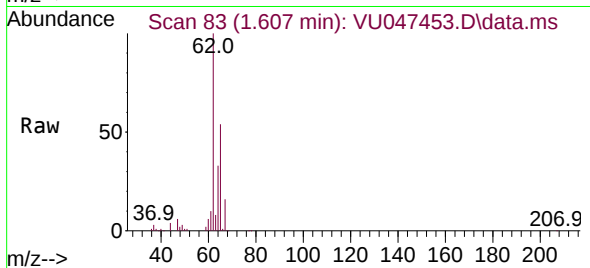
VSTD005094

Tgt Ion: 62 Resp: 60483

Ion Ratio Lower Upper

62 100

64 32.7 23.7 43.9



#6

Bromomethane

Concen: 3.361 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU047453.D

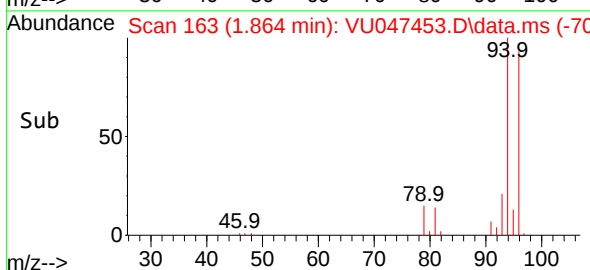
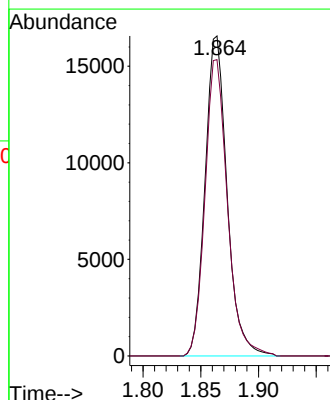
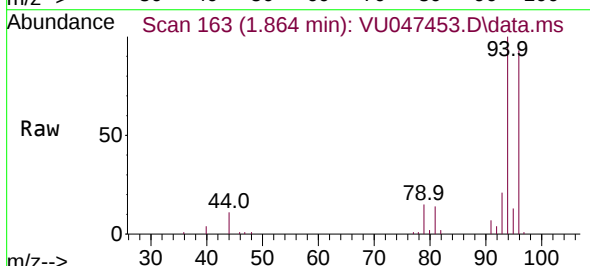
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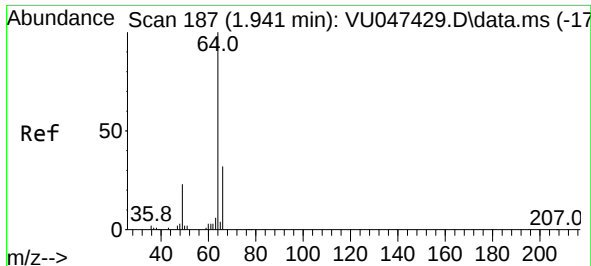
Tgt Ion: 94 Resp: 22004

Ion Ratio Lower Upper

94 100

96 92.6 65.6 121.8

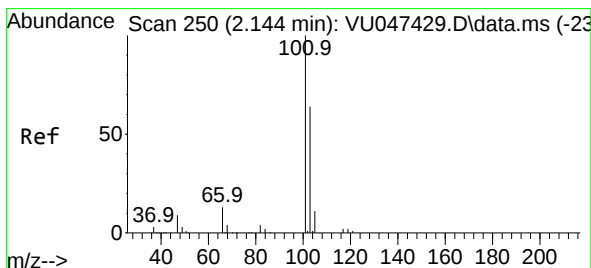
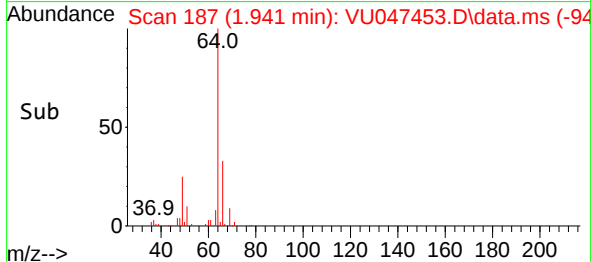
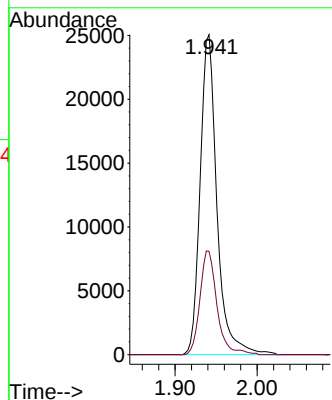
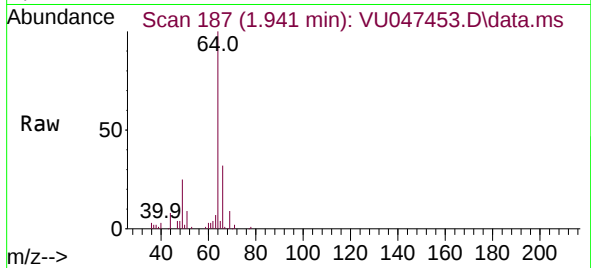




#8
Chloroethane
Concen: 5.097 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

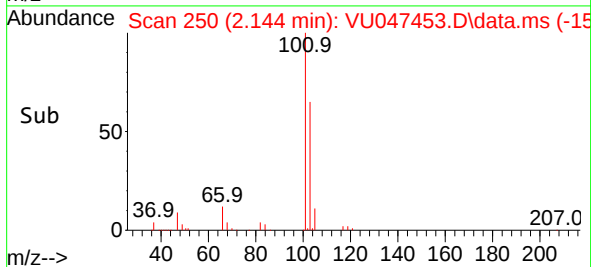
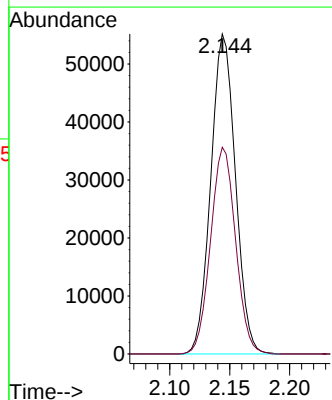
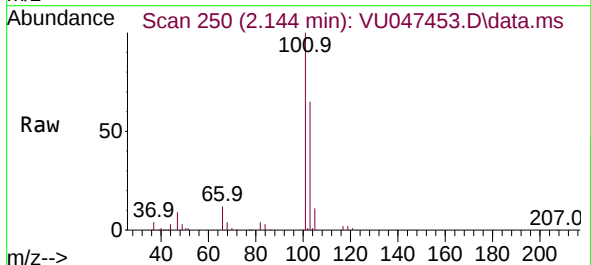
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

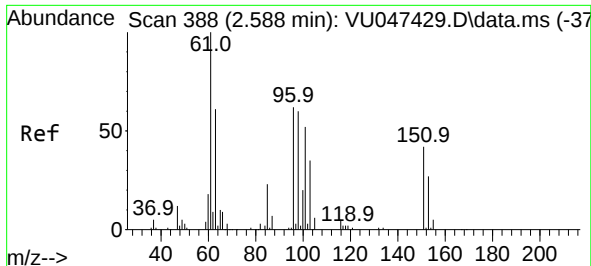
Tgt Ion: 64 Resp: 35542
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.203 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 101 Resp: 78697
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8

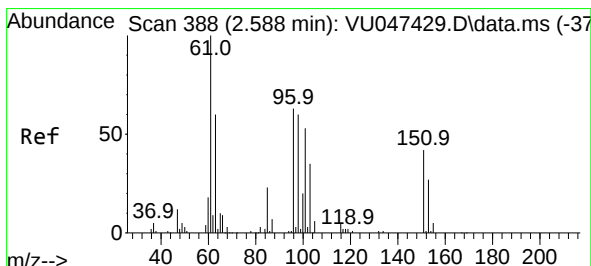
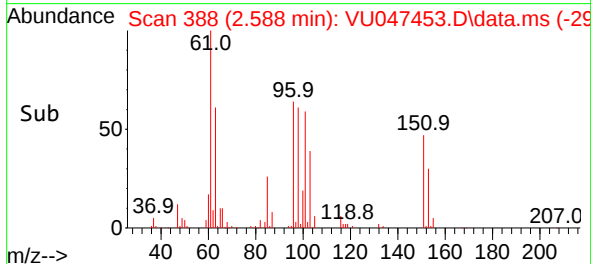
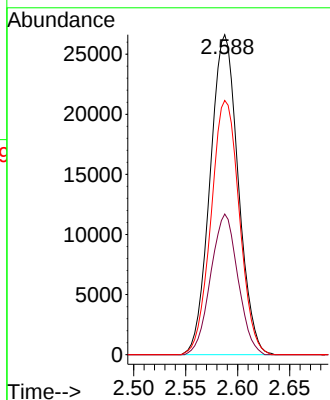
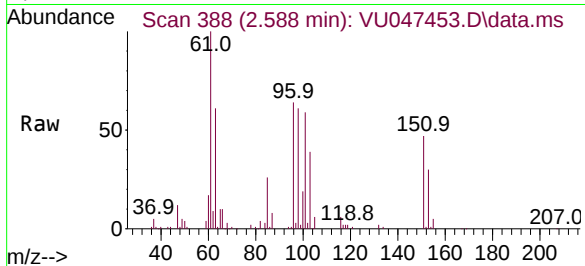




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.363 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047453.D
 Acq: 10 Mar 2022 12:48

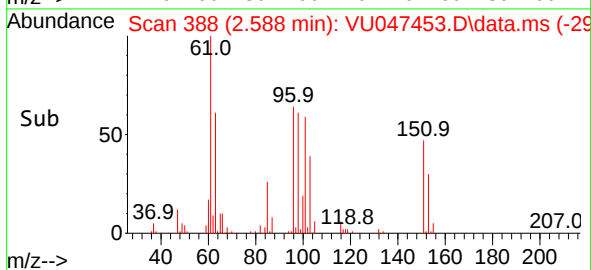
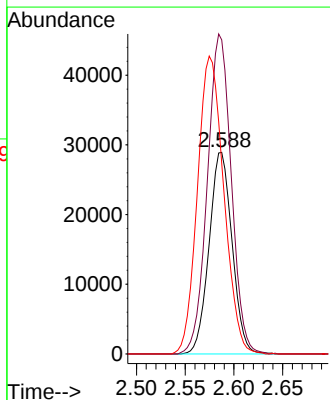
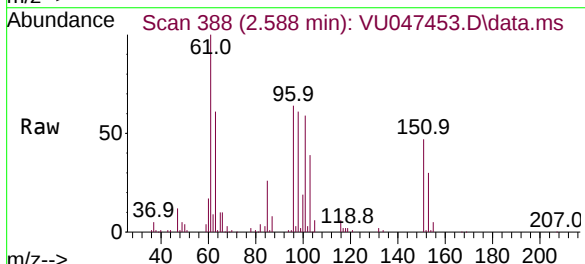
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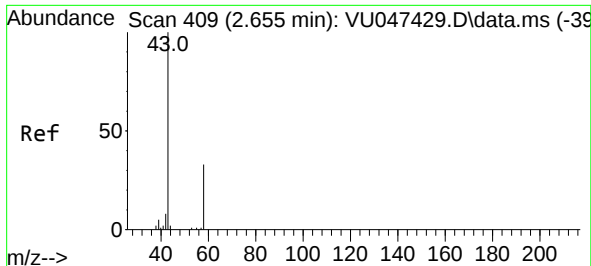
Tgt Ion:101 Resp: 50086
 Ion Ratio Lower Upper
 101 100
 85 42.6 33.8 50.6
 151 80.0 64.8 97.2



#12
 1,1-Dichloroethene
 Concen: 5.185 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047453.D
 Acq: 10 Mar 2022 12:48

Tgt Ion: 96 Resp: 47521
 Ion Ratio Lower Upper
 96 100
 61 155.8 108.8 202.0
 63 94.5 64.0 119.0





#13

Acetone

Concen: 54.528 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

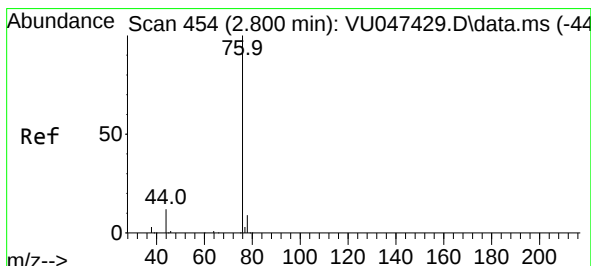
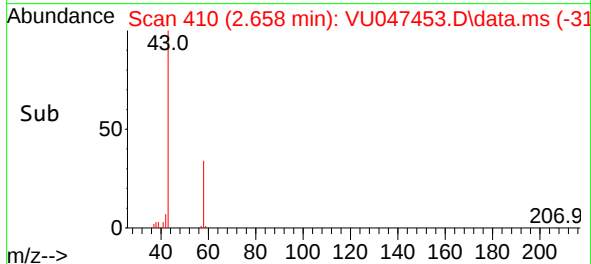
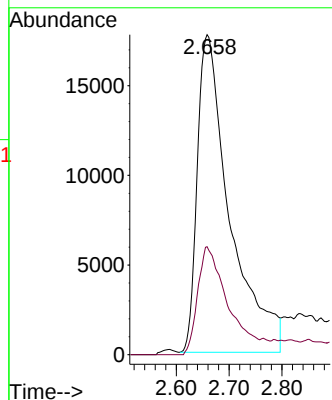
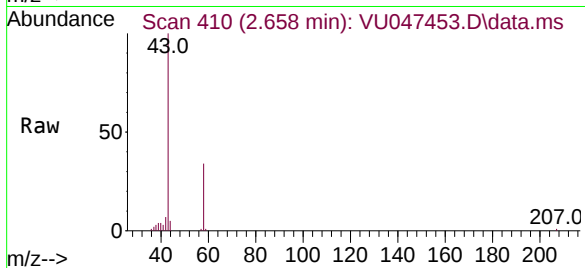
VSTD005094

Tgt Ion: 43 Resp: 75519

Ion Ratio Lower Upper

43 100

58 31.6 0.0 72.6



#14

Carbon disulfide

Concen: 5.195 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047453.D

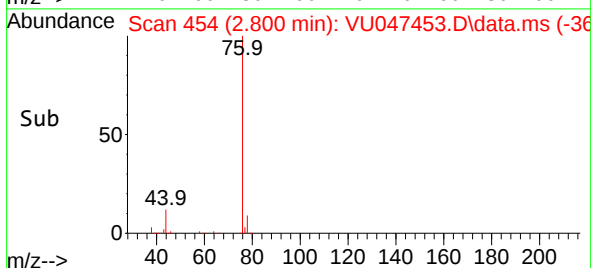
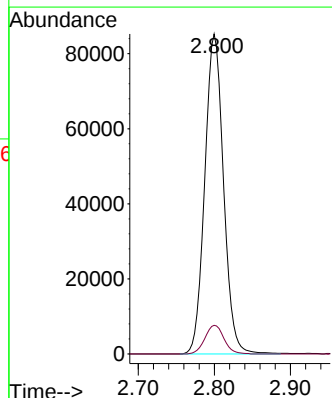
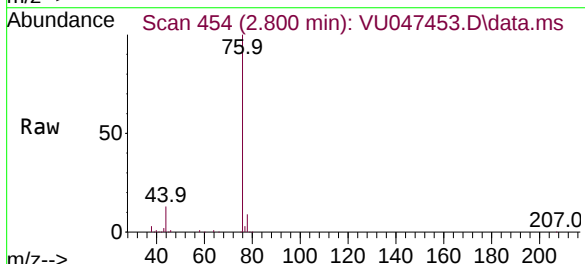
Acq: 10 Mar 2022 12:48

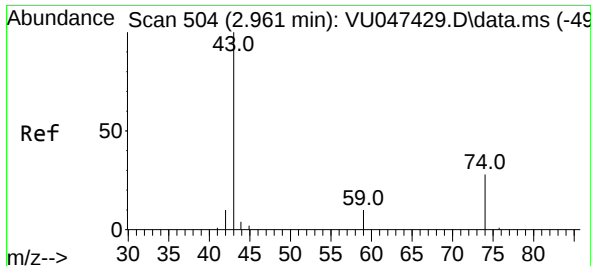
Tgt Ion: 76 Resp: 146145

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

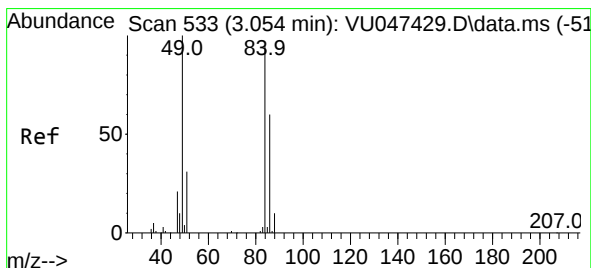
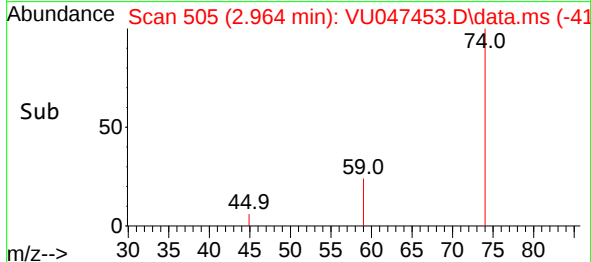
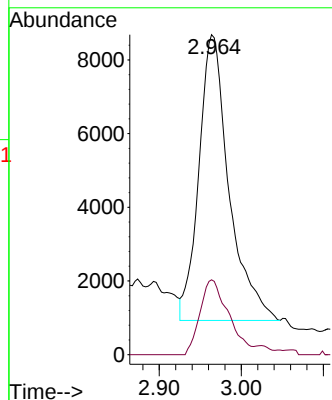
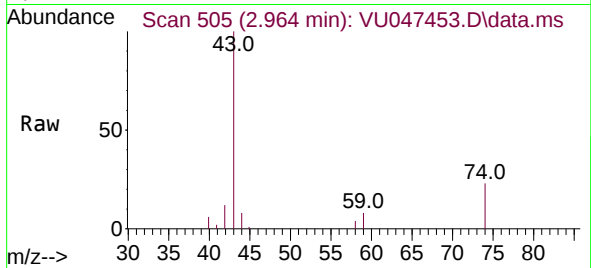




#15
Methyl Acetate
Concen: 5.405 ug/L
RT: 2.964 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

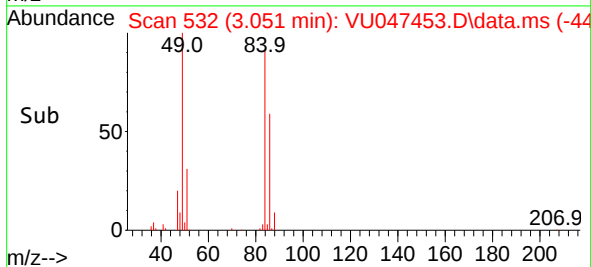
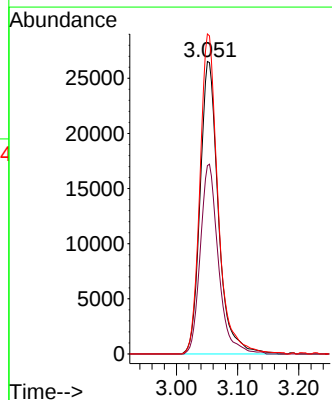
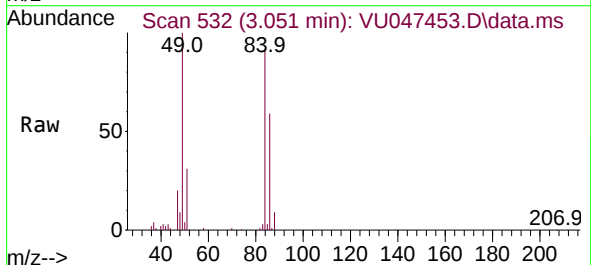
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

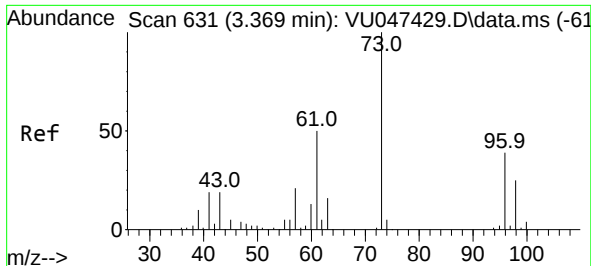
Tgt Ion: 43 Resp: 19781
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.2



#16
Methylene chloride
Concen: 5.022 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 84 Resp: 54940
Ion Ratio Lower Upper
84 100
86 64.4 45.9 85.3
49 109.4 76.4 141.8

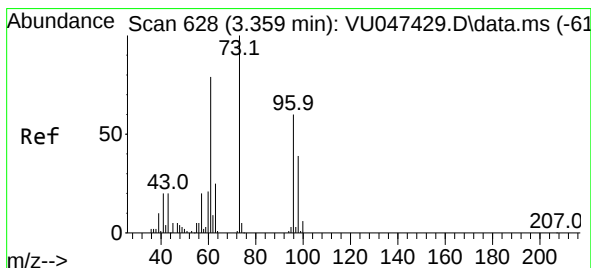
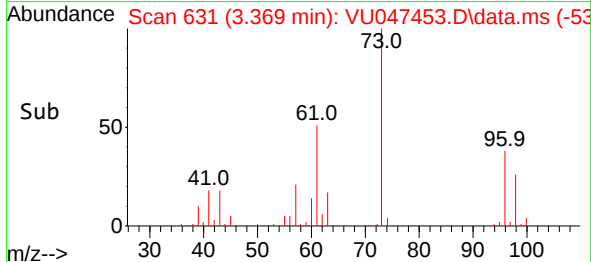
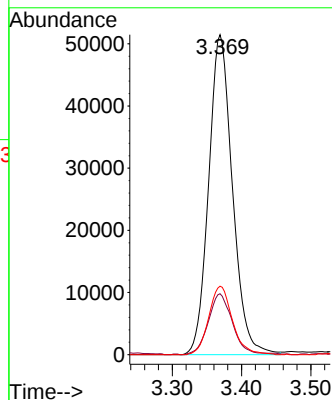
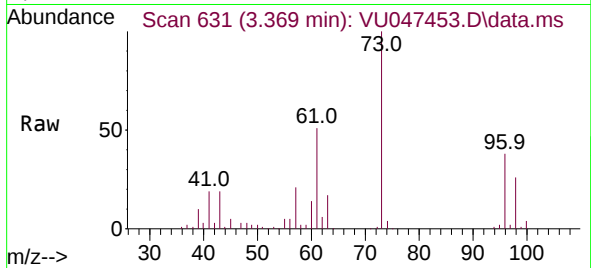




#17
Methyl tert-butyl Ether
Concen: 5.196 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

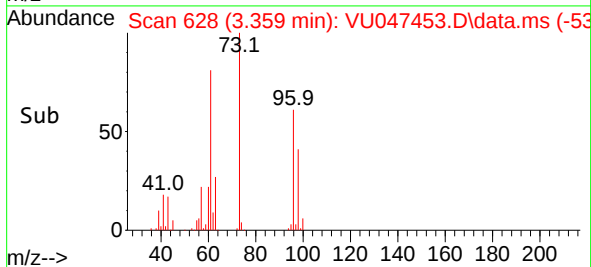
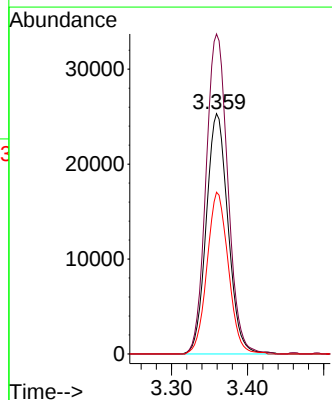
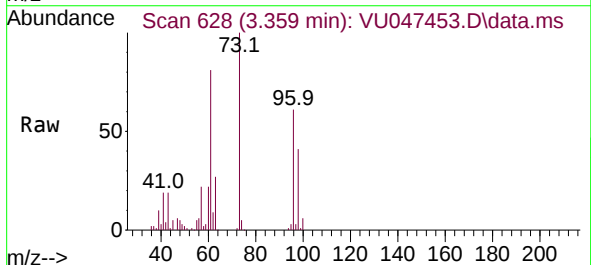
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

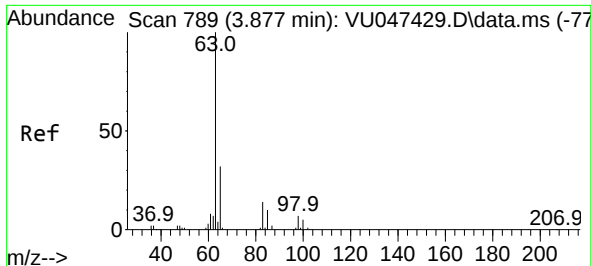
Tgt Ion: 73 Resp: 122815
Ion Ratio Lower Upper
73 100
43 19.5 14.6 22.0
57 21.3 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 5.146 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 96 Resp: 50492
Ion Ratio Lower Upper
96 100
61 133.1 90.4 167.8
98 67.3 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.344 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

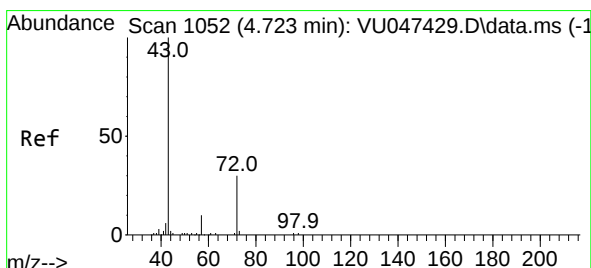
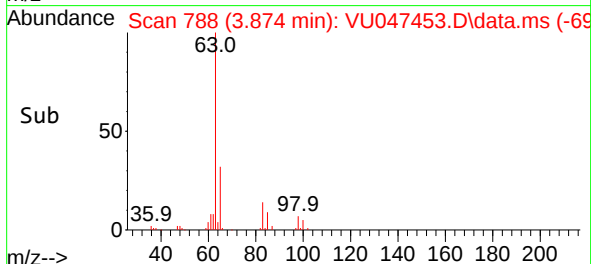
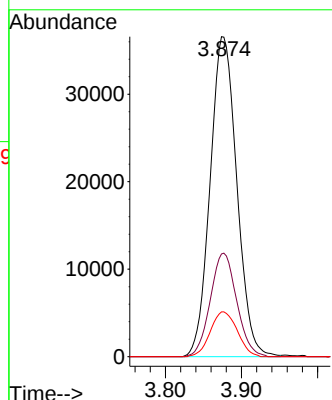
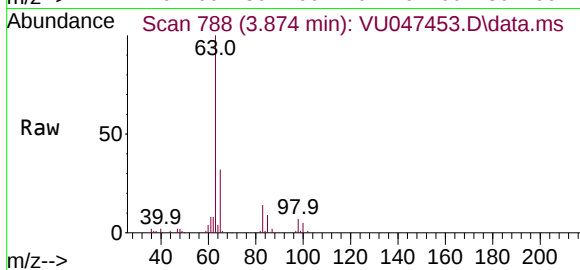
Tgt Ion: 63 Resp: 89180

Ion Ratio Lower Upper

63 100

65 32.1 22.8 42.4

83 14.0 9.9 18.3



#21

2-Butanone

Concen: 56.249 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VU047453.D

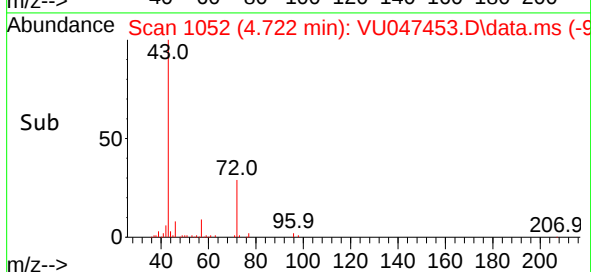
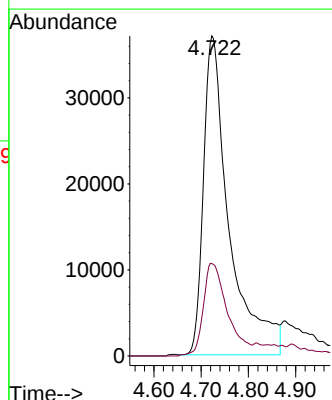
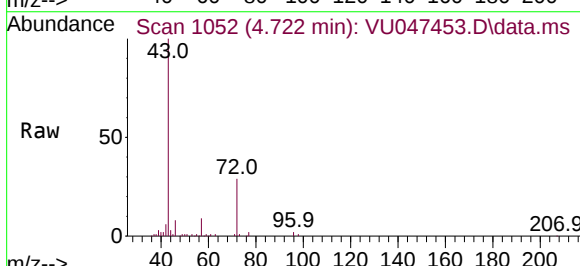
Acq: 10 Mar 2022 12:48

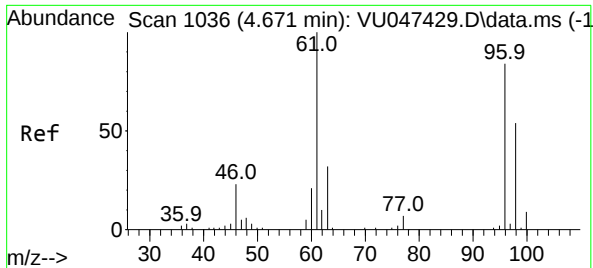
Tgt Ion: 43 Resp: 140289

Ion Ratio Lower Upper

43 100

72 27.2 14.7 44.1





#22

cis-1,2-Dichloroethene

Concen: 5.246 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

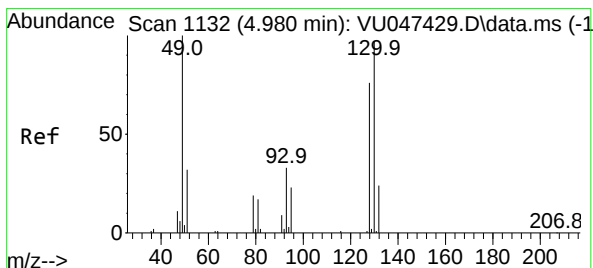
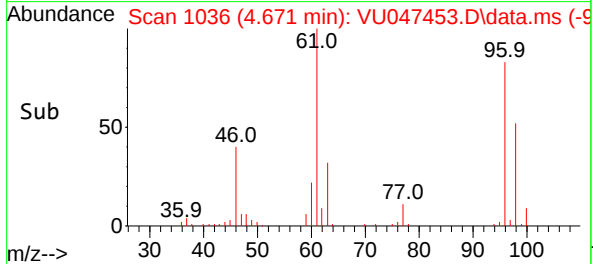
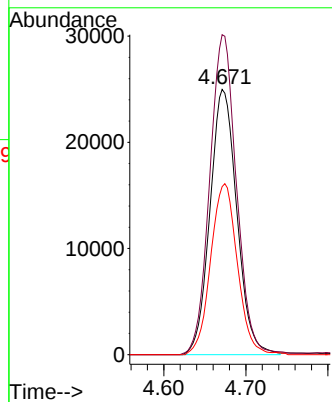
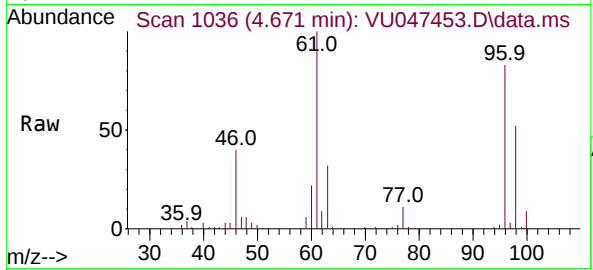
Tgt Ion: 96 Resp: 57043

Ion Ratio Lower Upper

96 100

61 120.6 80.8 150.0

98 63.3 44.7 83.1



#23

Bromochloromethane

Concen: 5.426 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Tgt Ion: 128 Resp: 28187

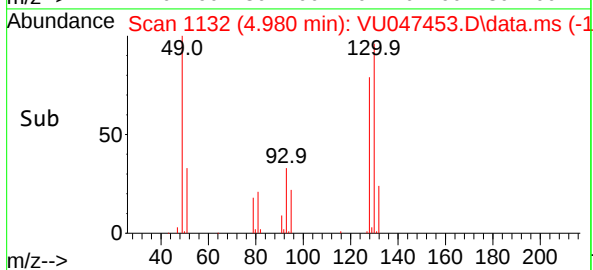
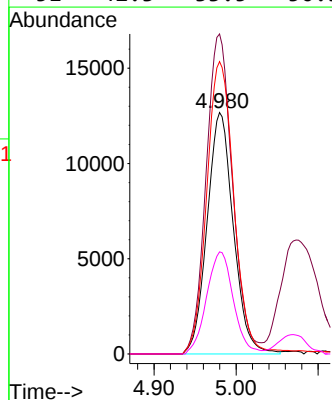
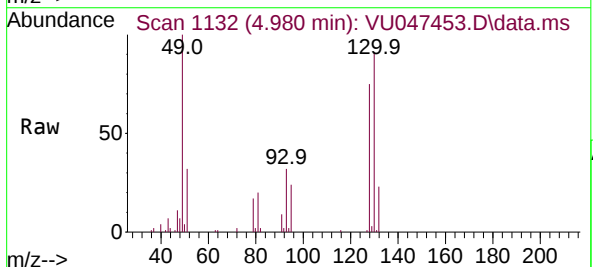
Ion Ratio Lower Upper

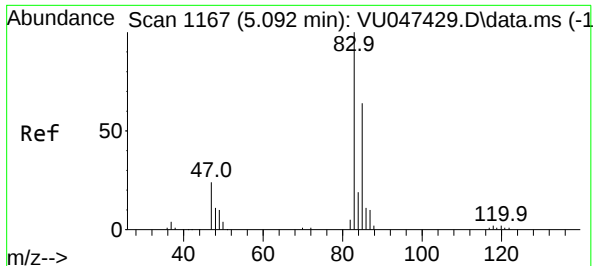
128 100

49 132.6 91.6 170.2

130 121.1 89.6 166.4

51 42.3 33.5 50.3





#25

Chloroform

Concen: 5.294 ug/L

RT: 5.095 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

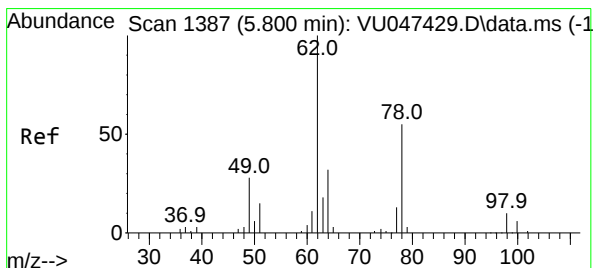
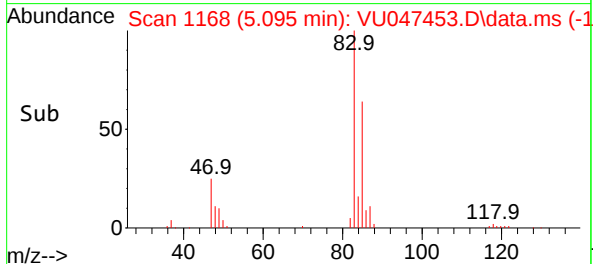
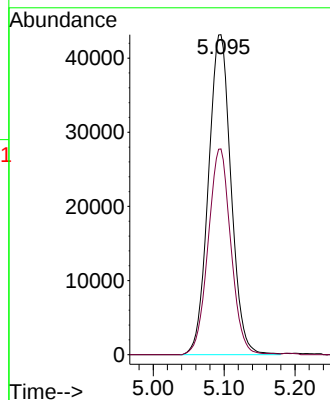
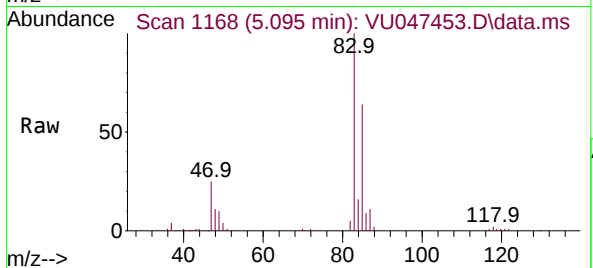
VSTD005094

Tgt Ion: 83 Resp: 95676

Ion Ratio Lower Upper

83 100

85 64.3 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.230 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU047453.D

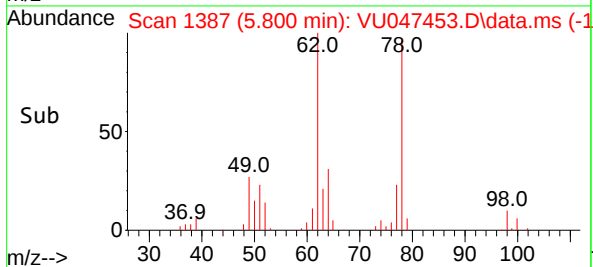
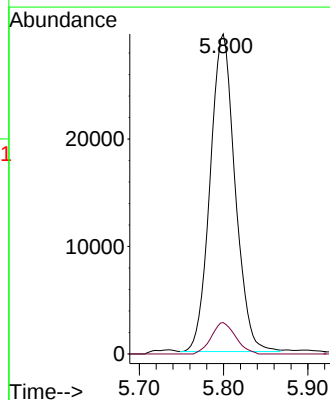
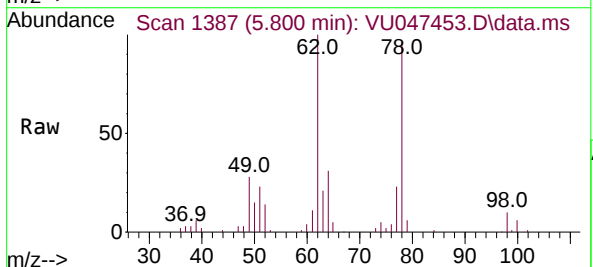
Acq: 10 Mar 2022 12:48

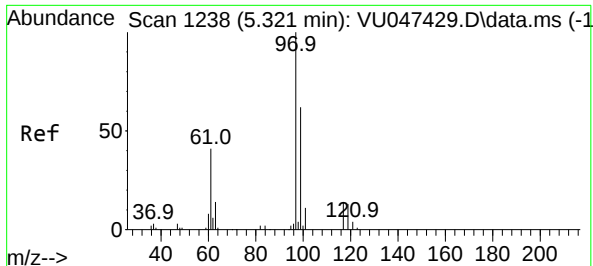
Tgt Ion: 62 Resp: 60844

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.270 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

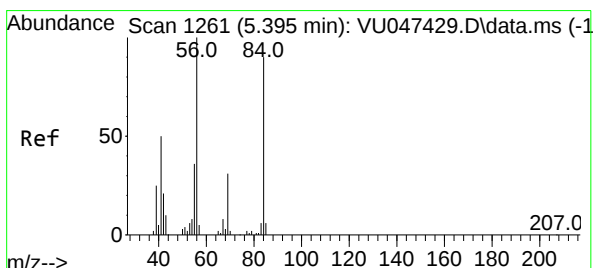
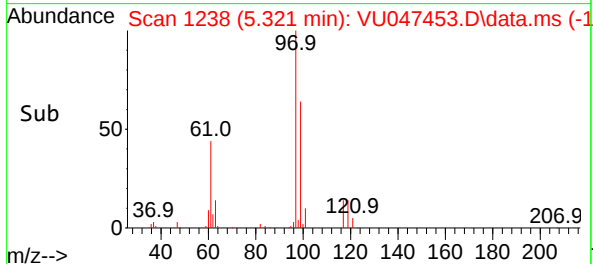
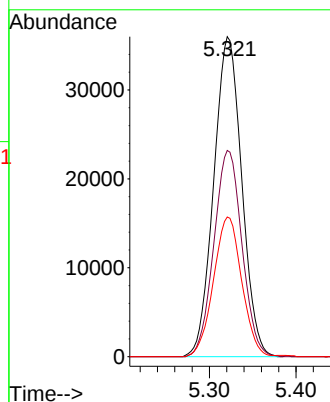
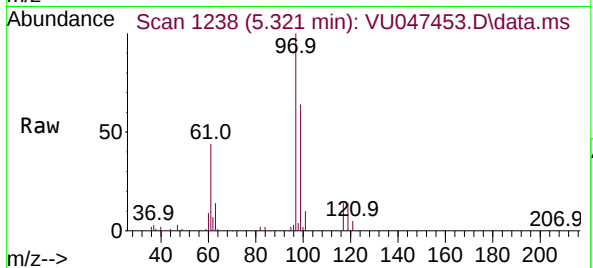
Tgt Ion: 97 Resp: 80931

Ion Ratio Lower Upper

97 100

99 64.5 52.1 78.1

61 44.0 33.8 50.6



#30

Cyclohexane

Concen: 5.215 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

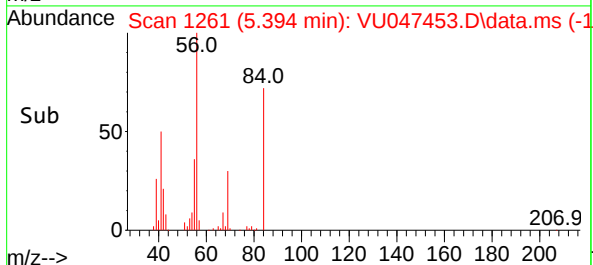
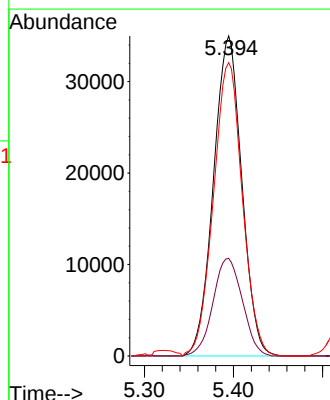
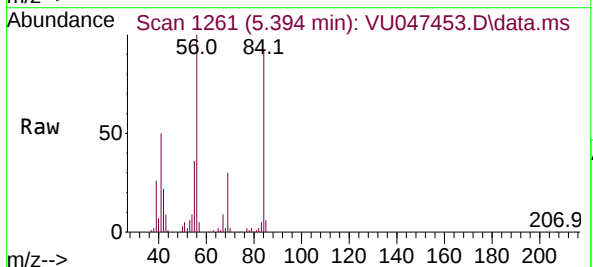
Tgt Ion: 56 Resp: 77155

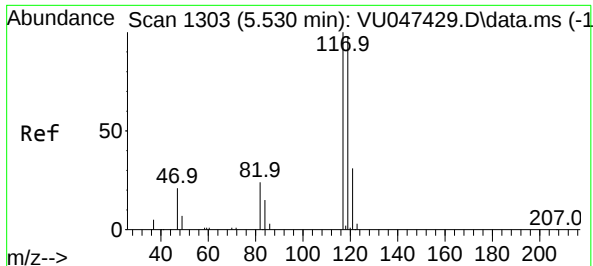
Ion Ratio Lower Upper

56 100

69 31.7 26.0 39.0

84 93.6 76.3 114.5

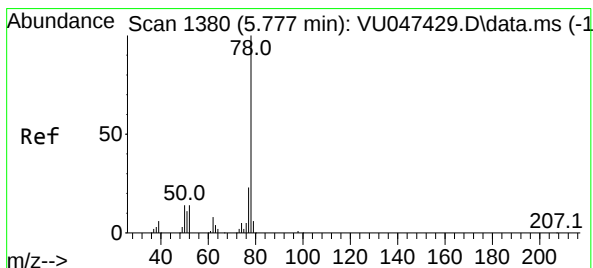
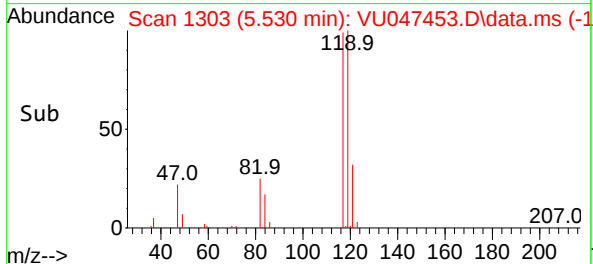
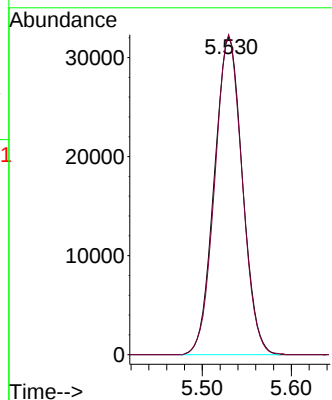
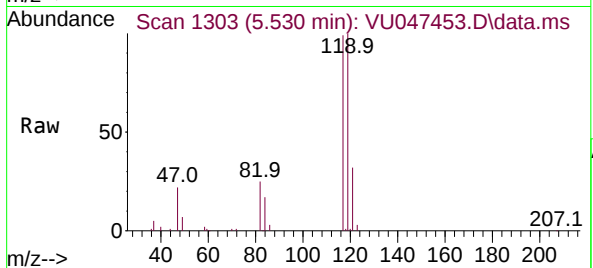




#31
Carbon tetrachloride
Concen: 5.221 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

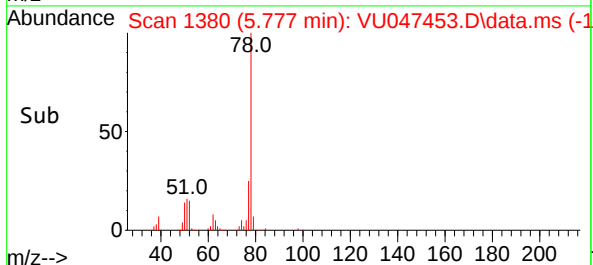
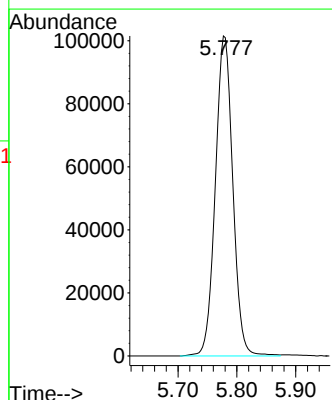
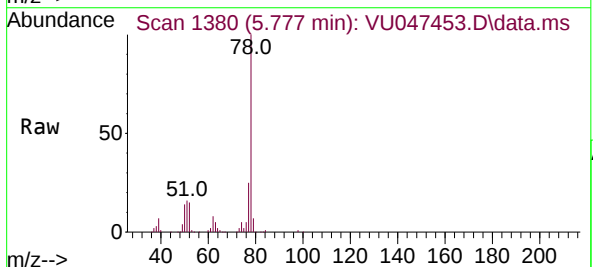
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

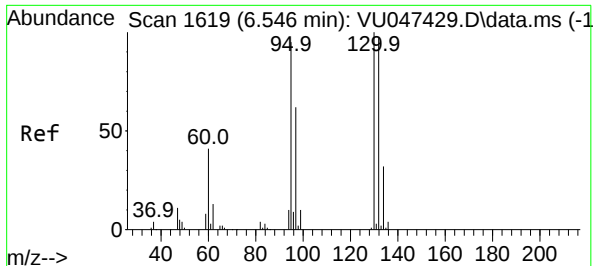
Tgt Ion:117 Resp: 70420
Ion Ratio Lower Upper
117 100
119 98.0 75.8 113.8



#33
Benzene
Concen: 5.218 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 78 Resp: 209479





#34

Trichloroethene

Concen: 5.308 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

Tgt Ion: 95 Resp: 56956

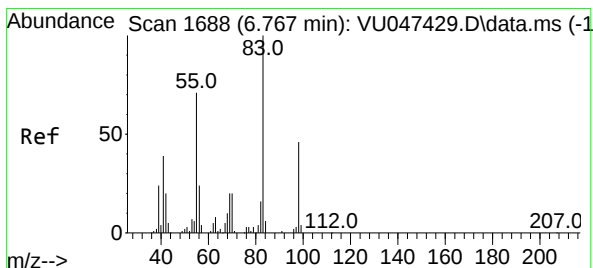
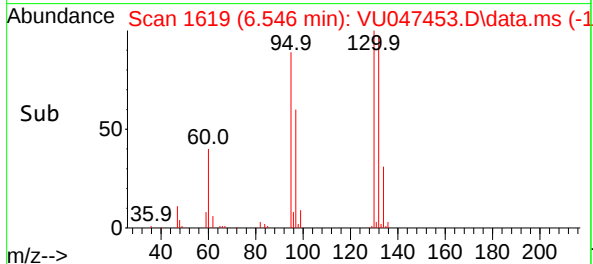
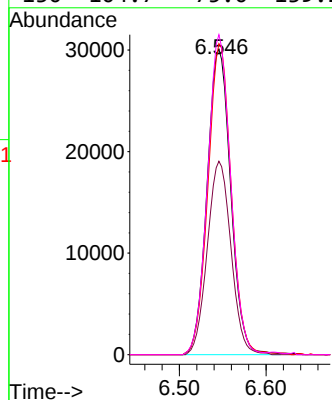
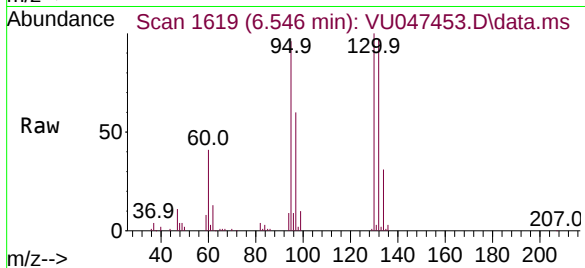
Ion Ratio Lower Upper

95 100

97 63.3 46.3 85.9

132 101.8 71.7 133.1

130 104.7 75.0 139.2



#35

Methylcyclohexane

Concen: 5.209 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

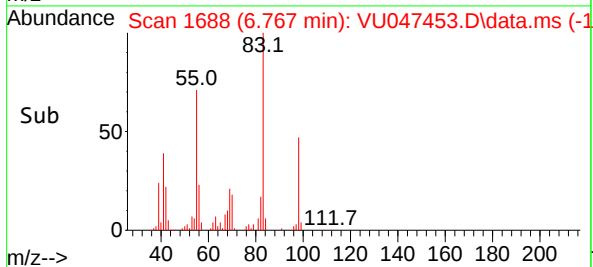
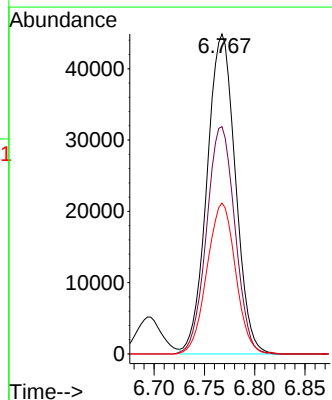
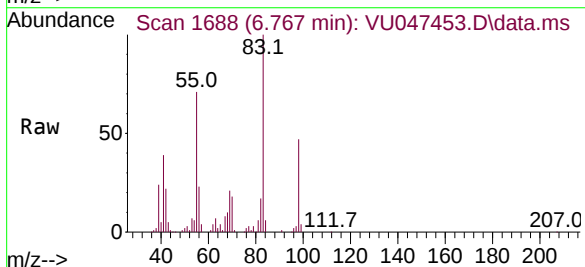
Tgt Ion: 83 Resp: 88180

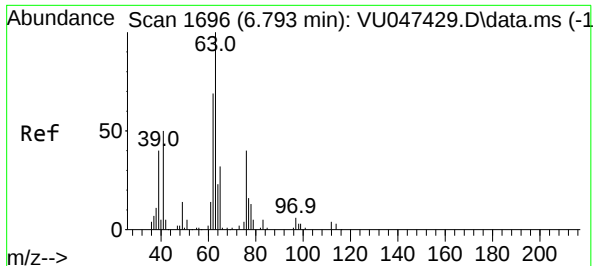
Ion Ratio Lower Upper

83 100

55 71.0 57.8 86.8

98 47.4 38.0 57.0





#37

1,2-Dichloropropane

Concen: 5.296 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

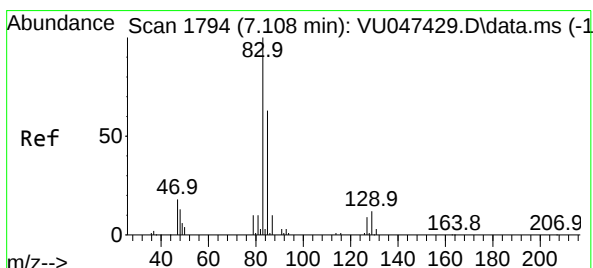
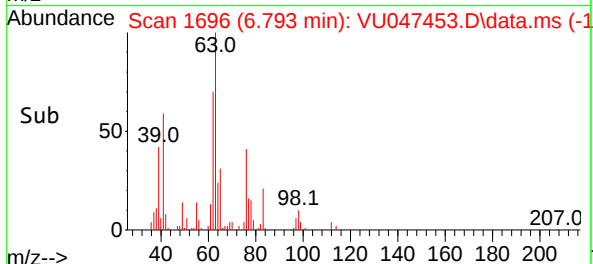
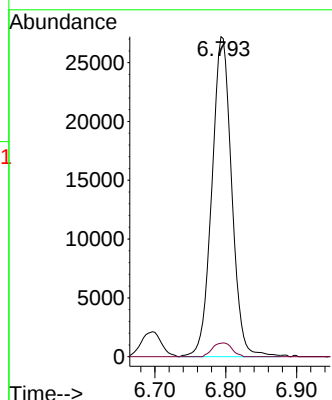
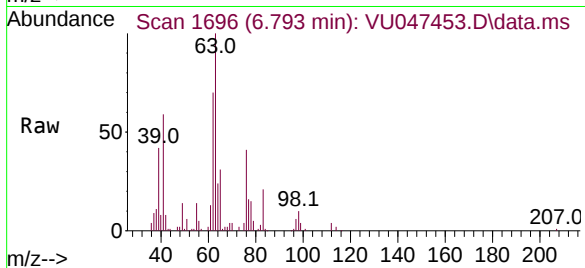
VSTD005094

Tgt Ion: 63 Resp: 52944

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.389 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

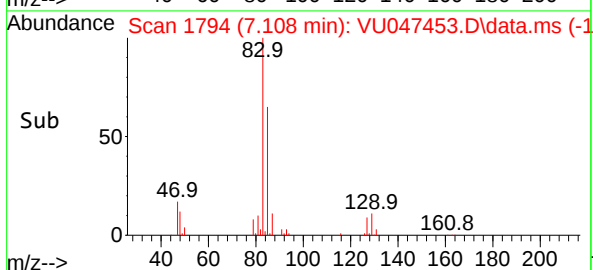
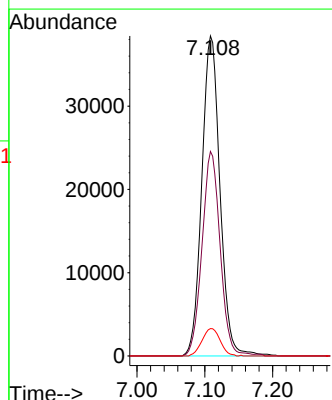
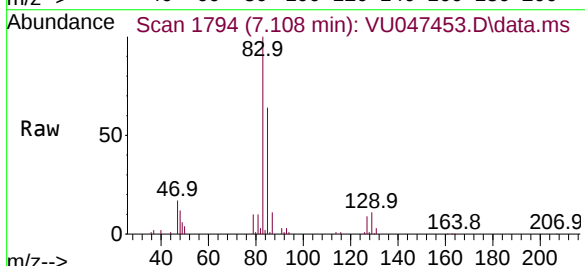
Tgt Ion: 83 Resp: 71531

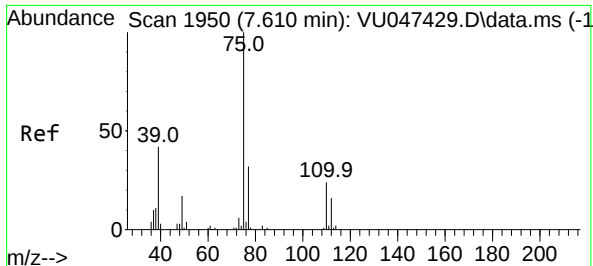
Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

127 8.6 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 5.450 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

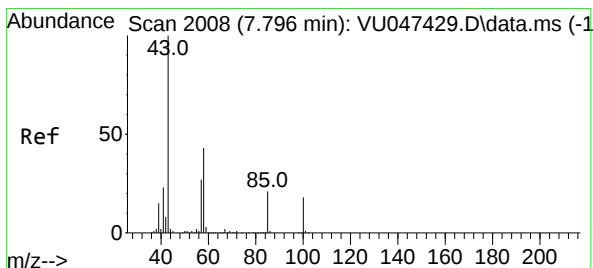
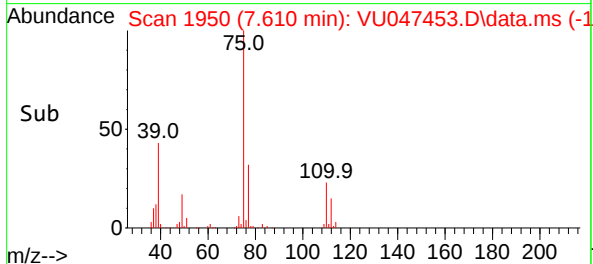
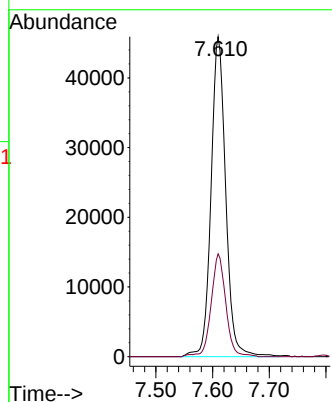
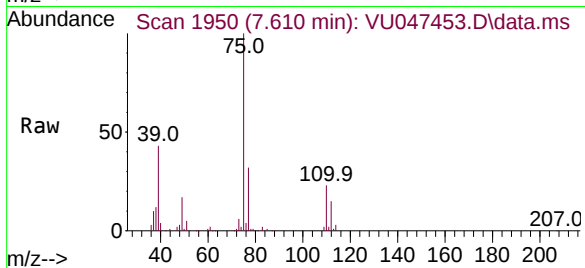
VSTD005094

Tgt Ion: 75 Resp: 82605

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.478 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

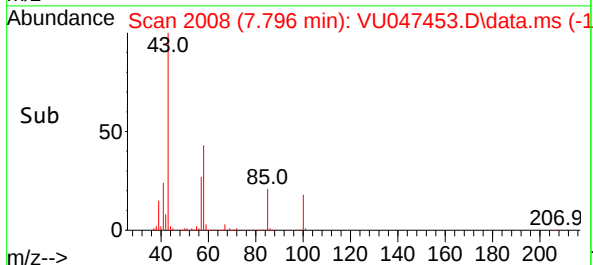
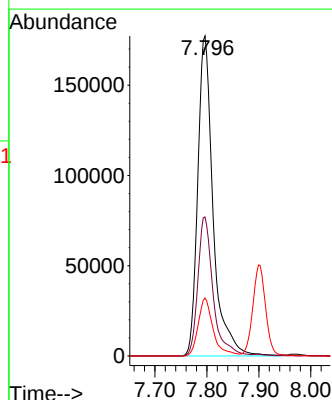
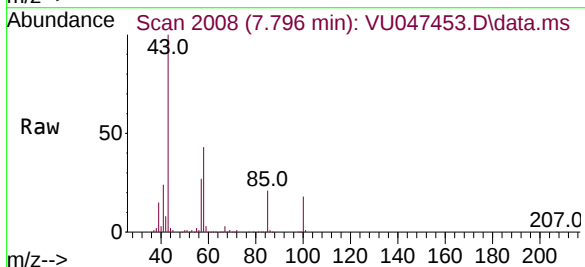
Tgt Ion: 43 Resp: 364461

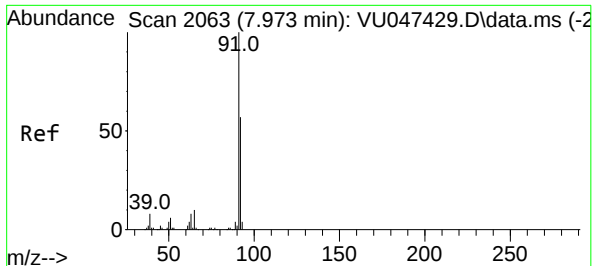
Ion Ratio Lower Upper

43 100

58 42.9 34.8 52.2

100 17.6 14.2 21.4





#42

Toluene

Concen: 5.296 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

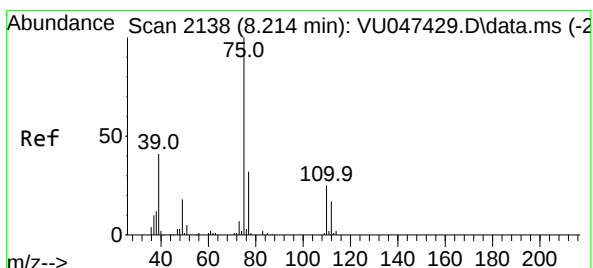
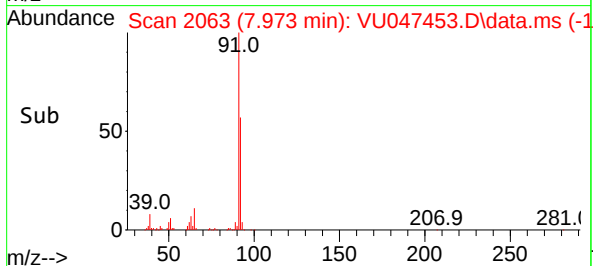
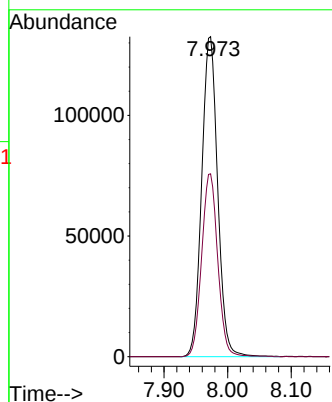
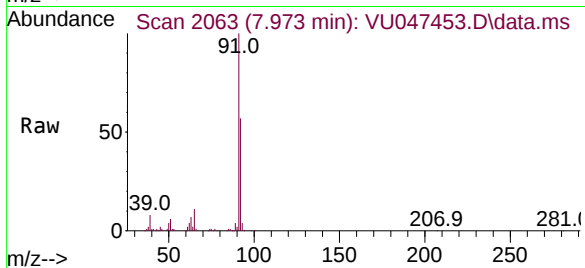
VSTD005094

Tgt Ion: 91 Resp: 230960

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.278 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU047453.D

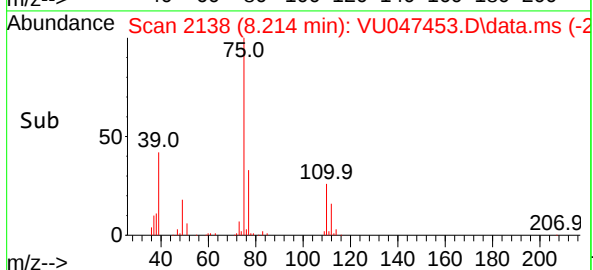
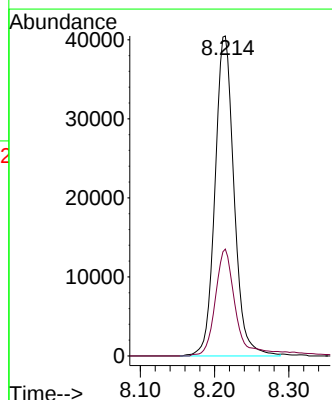
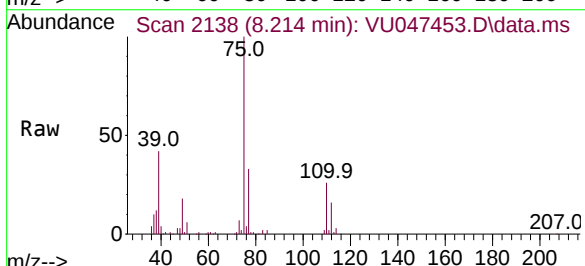
Acq: 10 Mar 2022 12:48

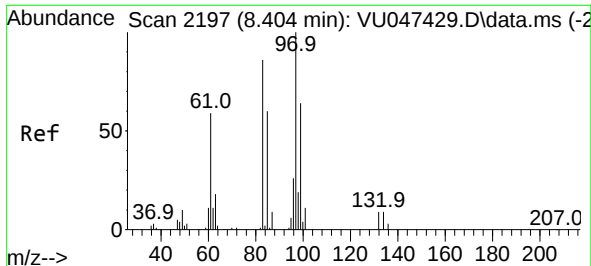
Tgt Ion: 75 Resp: 72144

Ion Ratio Lower Upper

75 100

77 33.4 23.6 43.8

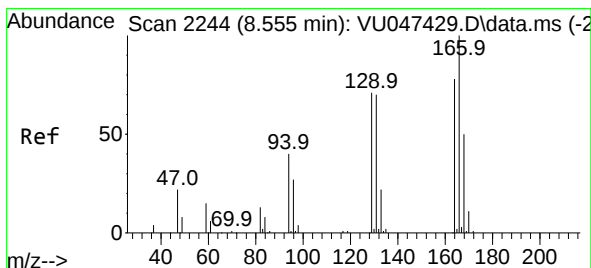
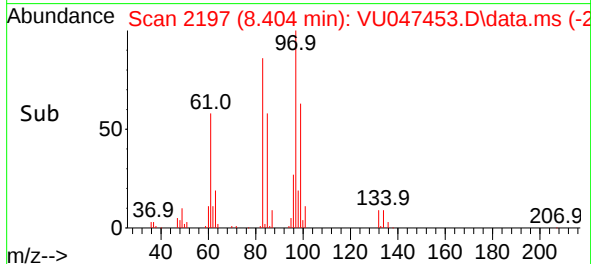
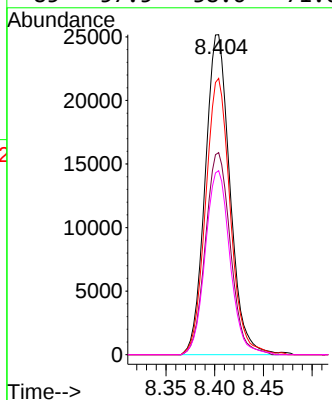
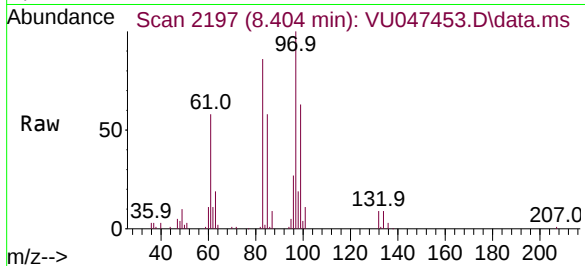




#45
1,1,2-Trichloroethane
Concen: 5.440 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

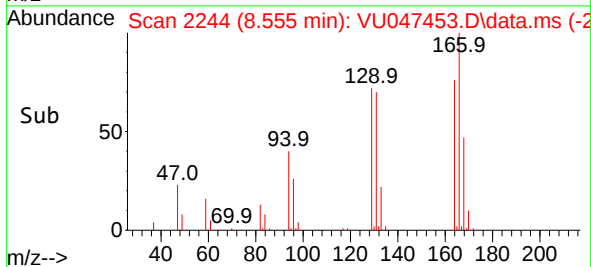
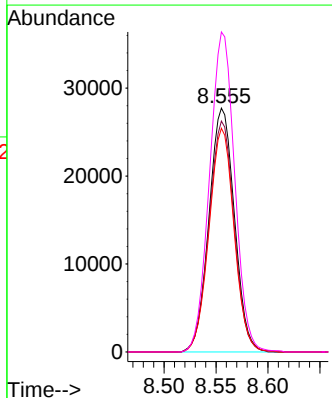
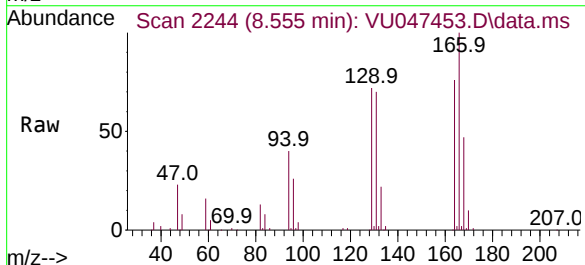
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

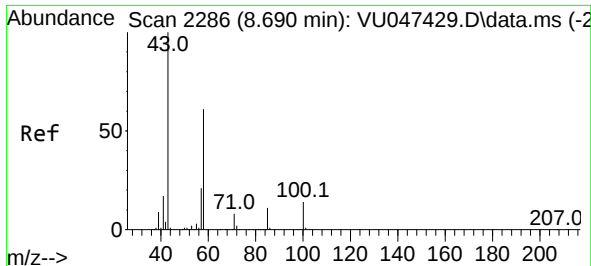
Tgt Ion:	97	Resp:	44572
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.3	80.5
83	86.4	59.1	109.9
85	57.5	38.6	71.6



#47
Tetrachloroethene
Concen: 5.189 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion:	164	Resp:	47236
Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.9	120.5
131	91.7	63.6	118.2
166	131.2	91.4	169.8



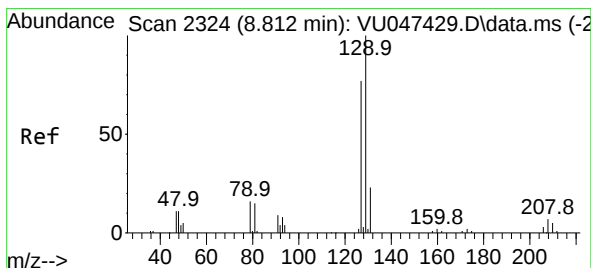
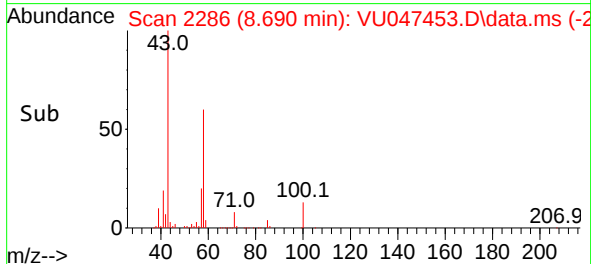
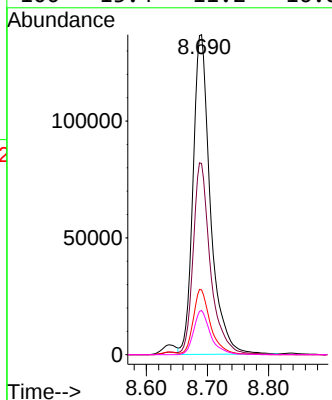
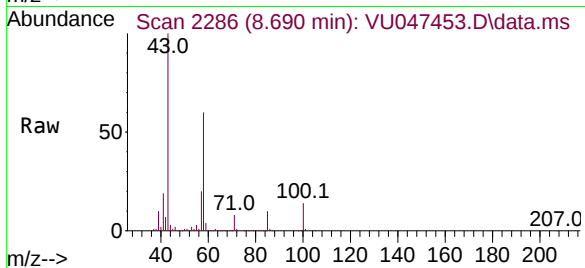


#48
2-Hexanone
Concen: 54.622 ug/L
RT: 8.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

Tgt Ion: 43 Resp: 270073

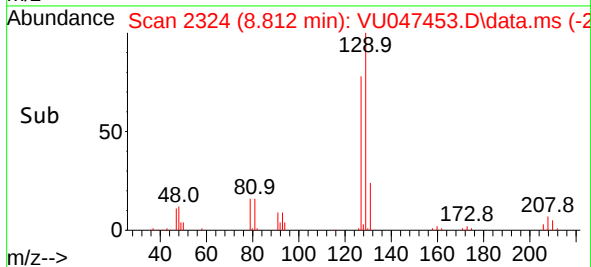
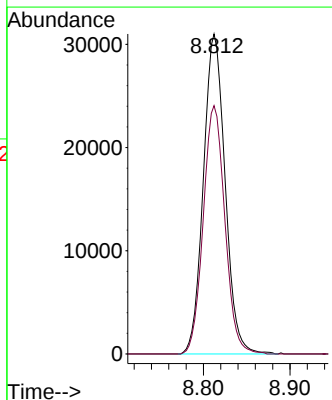
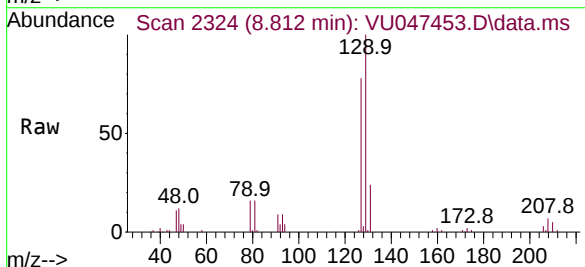
Ion	Ratio	Lower	Upper
43	100		
58	58.7	47.7	71.5
57	20.4	16.6	25.0
100	13.4	11.2	16.8

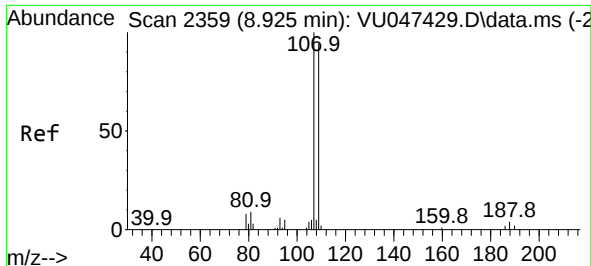


#49
Dibromochloromethane
Concen: 5.431 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 129 Resp: 54056

Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.6	97.8





#50

1,2-Dibromoethane

Concen: 5.328 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

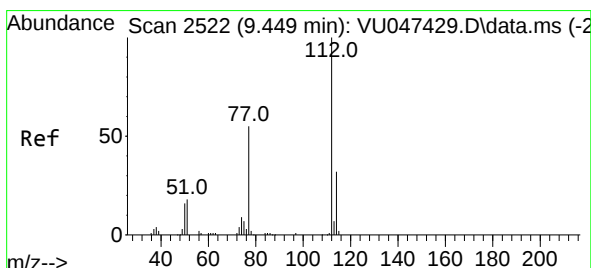
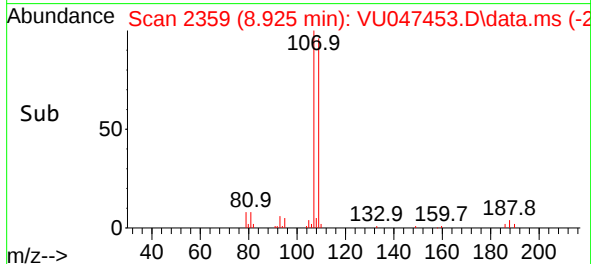
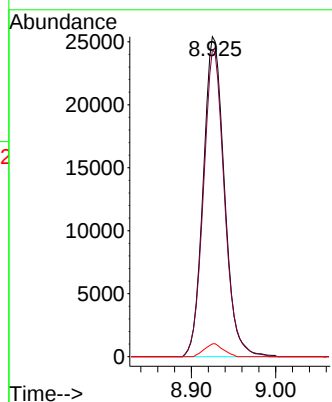
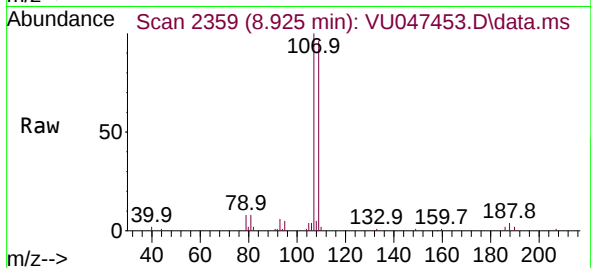
Tgt Ion:107 Resp: 44424

Ion Ratio Lower Upper

107 100

109 95.9 65.8 122.2

188 4.0 3.3 4.9



#51

Chlorobenzene

Concen: 5.280 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

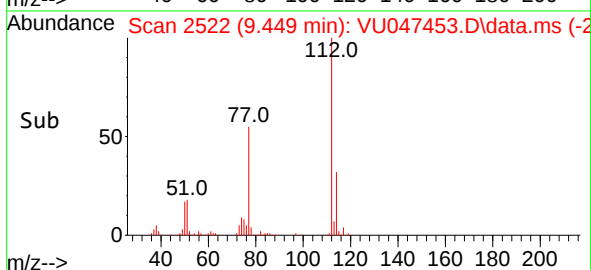
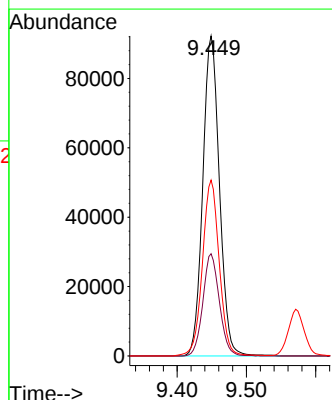
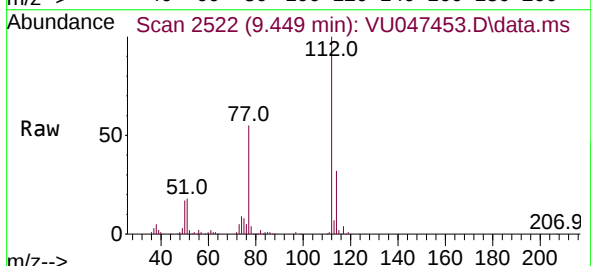
Tgt Ion:112 Resp: 154035

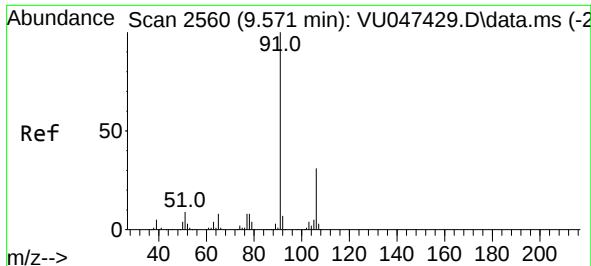
Ion Ratio Lower Upper

112 100

114 32.0 22.8 42.4

77 55.0 45.0 67.6

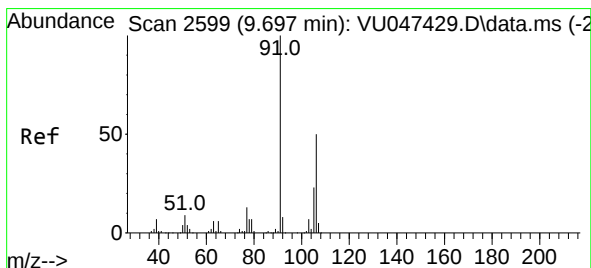
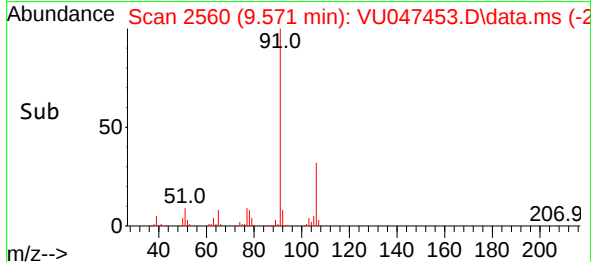
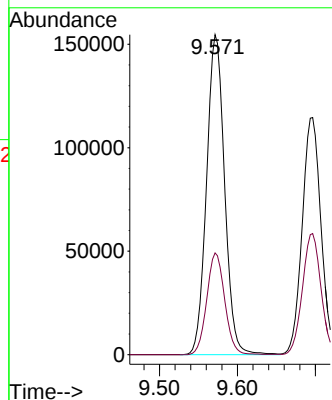
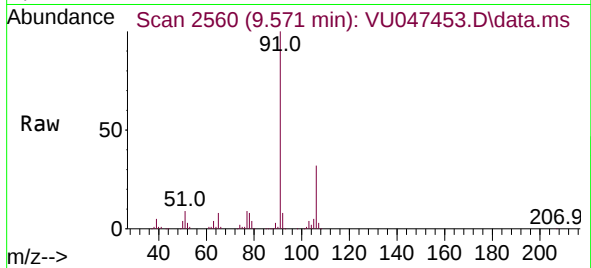




#52
Ethylbenzene
Concen: 5.266 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

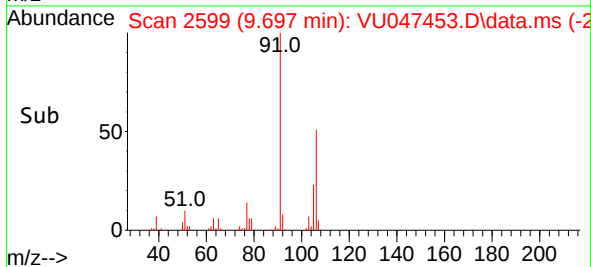
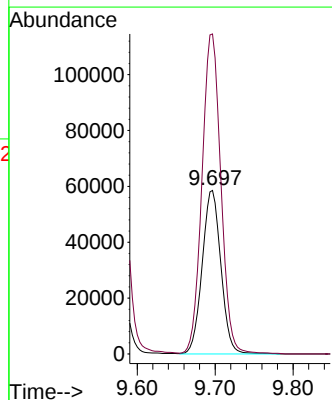
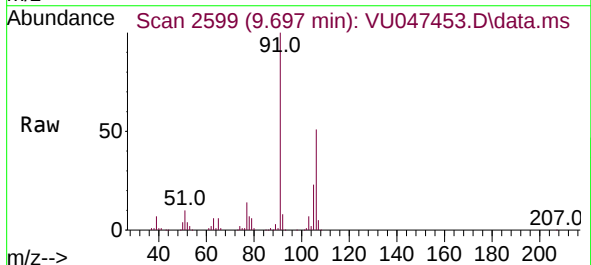
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

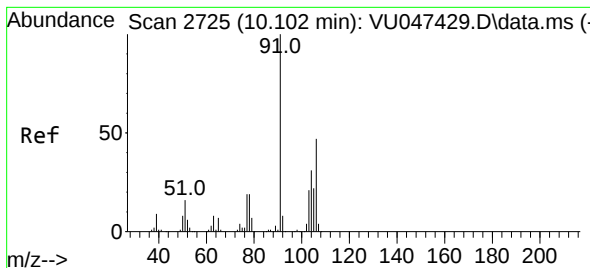
Tgt Ion: 91 Resp: 248722
Ion Ratio Lower Upper
91 100
106 31.8 22.4 41.6



#53
m,p-Xylene
Concen: 5.277 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 106 Resp: 97766
Ion Ratio Lower Upper
106 100
91 195.6 138.8 257.8





#54

o-Xylene

Concen: 5.294 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

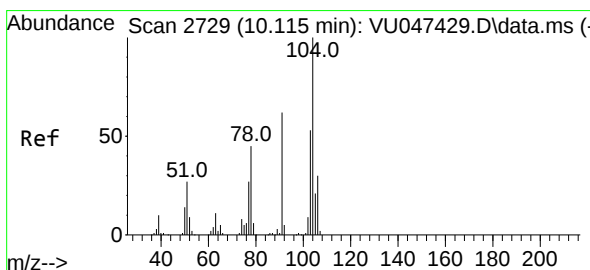
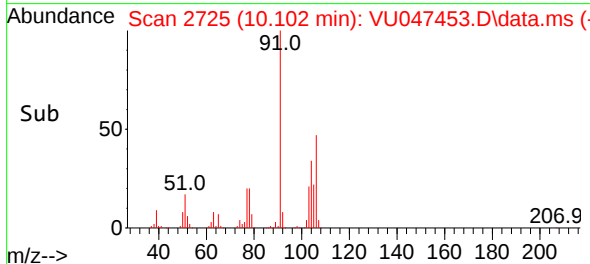
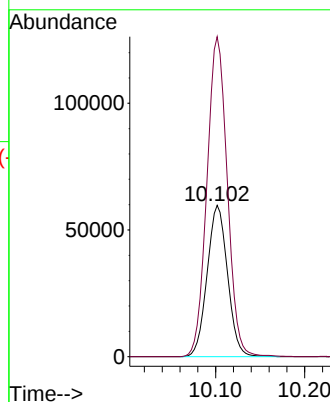
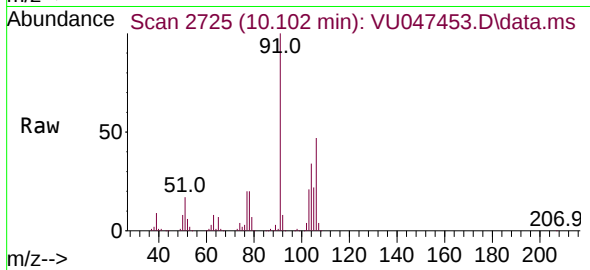
VSTD005094

Tgt Ion:106 Resp: 95019

Ion Ratio Lower Upper

106 100

91 211.5 149.2 277.0



#55

Styrene

Concen: 5.411 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU047453.D

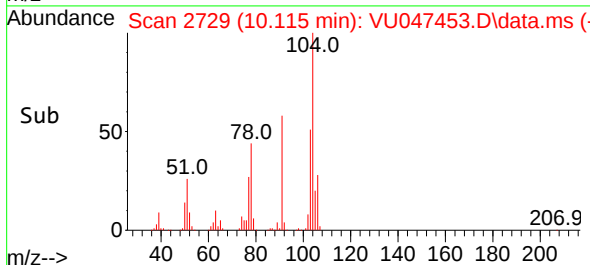
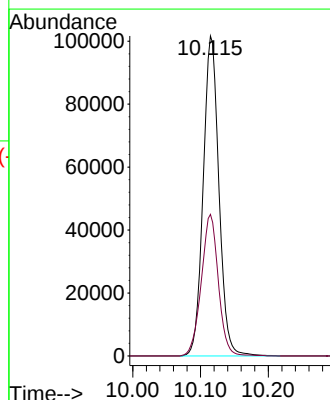
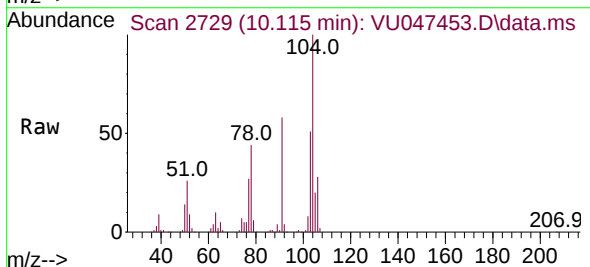
Acq: 10 Mar 2022 12:48

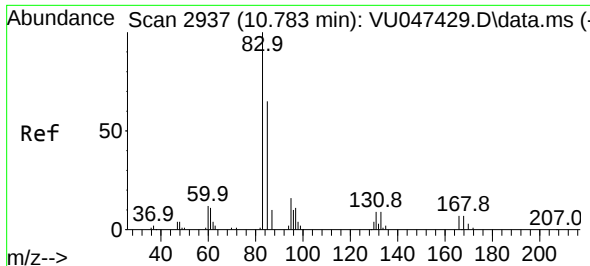
Tgt Ion:104 Resp: 164188

Ion Ratio Lower Upper

104 100

78 44.3 30.4 56.4

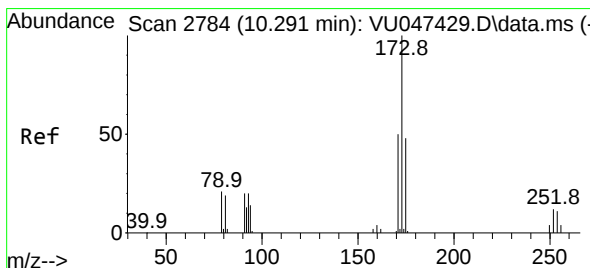
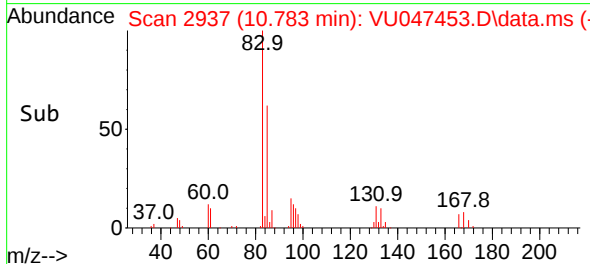
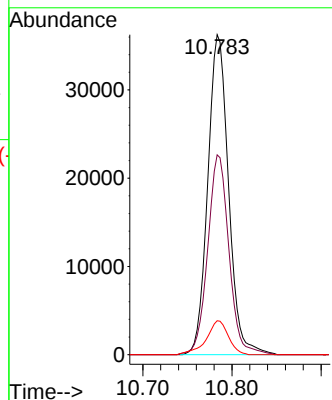
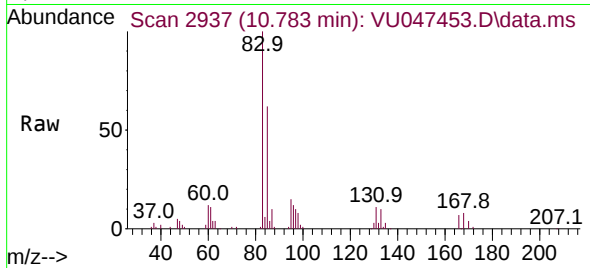




#57
1,1,2-Tetrachloroethane
Concen: 5.359 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

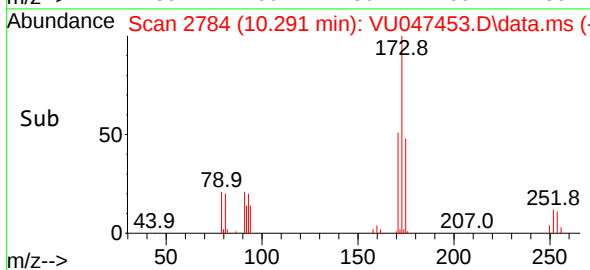
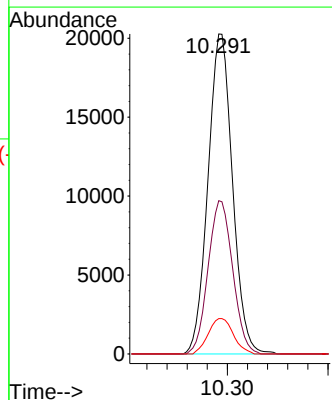
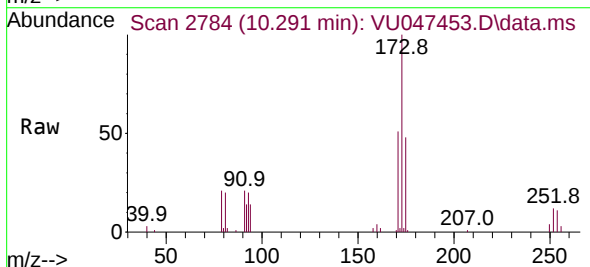
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

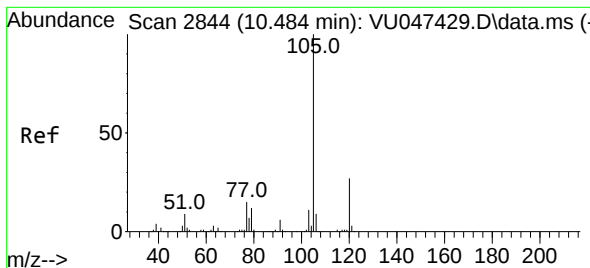
Tgt Ion: 83 Resp: 58780
Ion Ratio Lower Upper
83 100
85 62.4 46.0 85.4
131 10.6 8.2 12.4



#59
Bromoform
Concen: 5.431 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion: 173 Resp: 34288
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 11.3 9.0 13.4





#60

Isopropylbenzene

Concen: 5.295 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

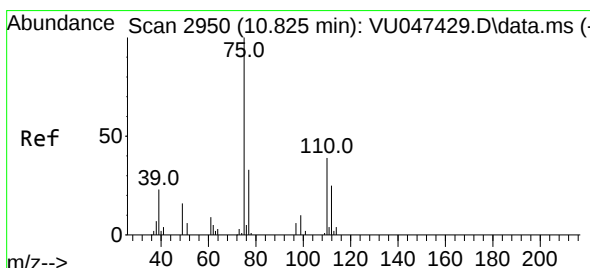
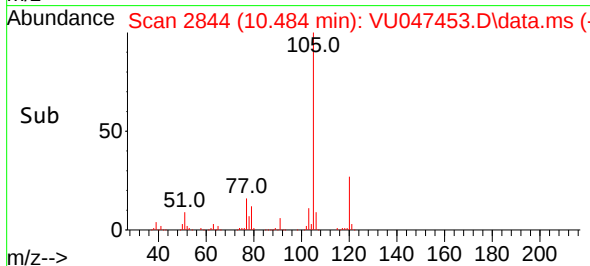
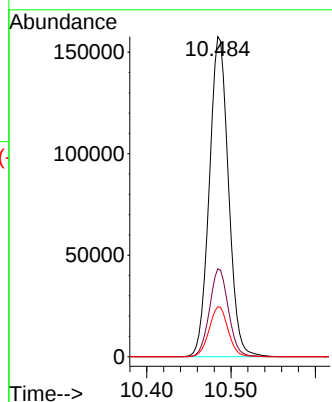
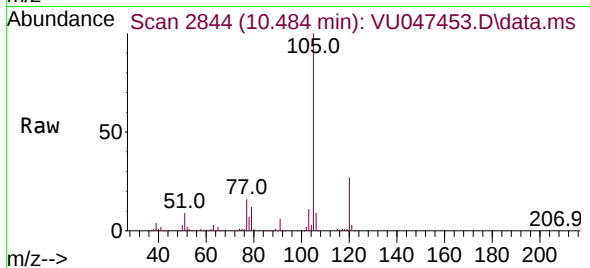
Tgt Ion:105 Resp: 248467

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 15.5 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 5.314 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

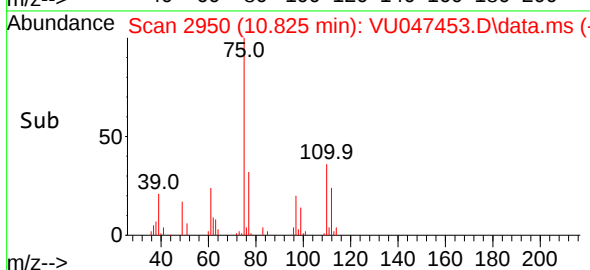
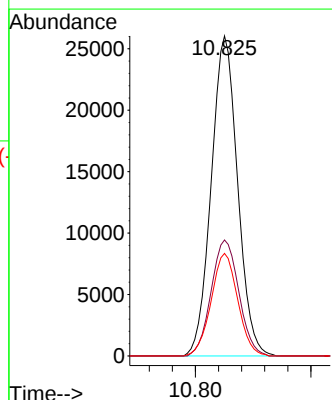
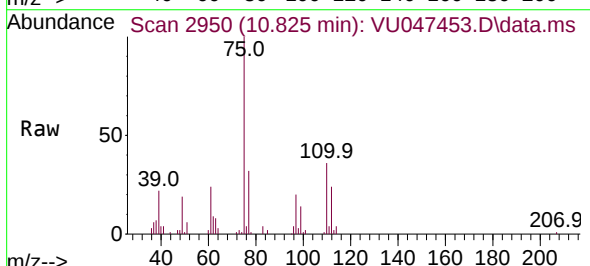
Tgt Ion: 75 Resp: 41278

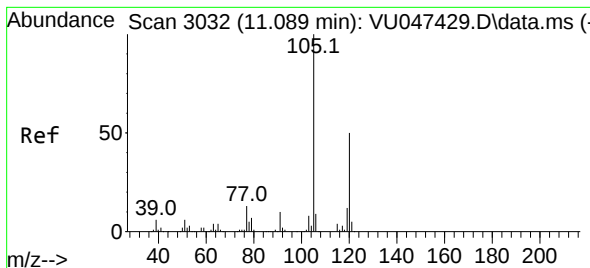
Ion Ratio Lower Upper

75 100

110 38.0 31.0 46.4

77 32.3 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.261 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

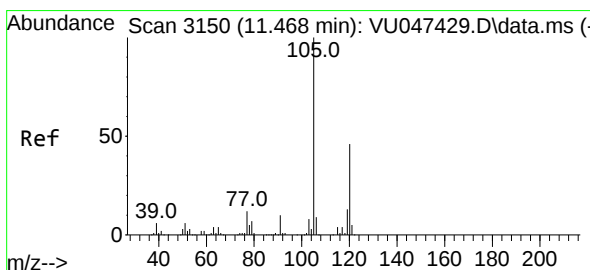
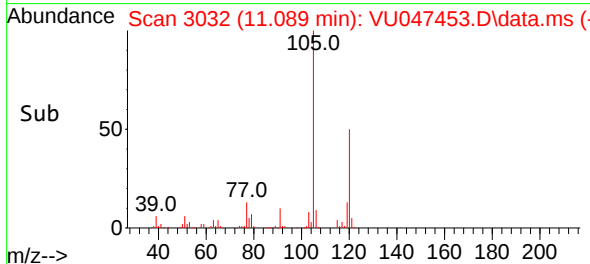
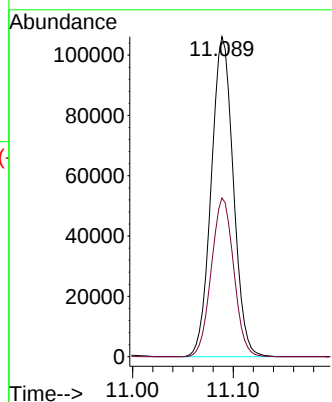
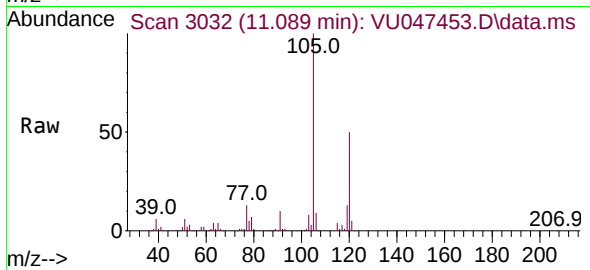
VSTD005094

Tgt Ion:105 Resp: 161916

Ion Ratio Lower Upper

105 100

120 50.3 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.256 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047453.D

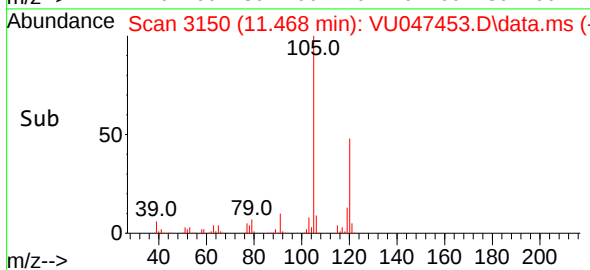
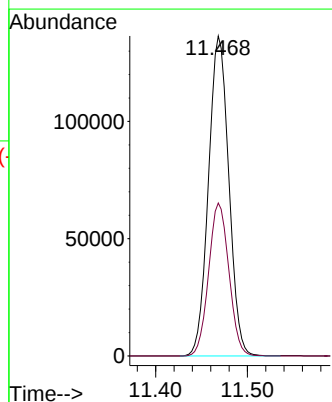
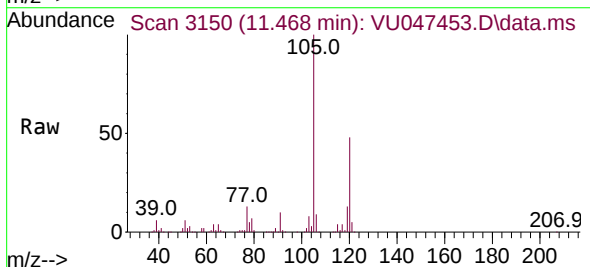
Acq: 10 Mar 2022 12:48

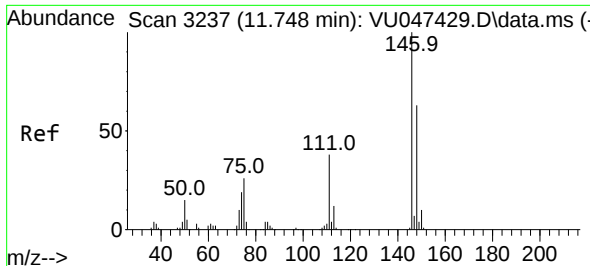
Tgt Ion:105 Resp: 209852

Ion Ratio Lower Upper

105 100

120 47.6 37.2 55.8

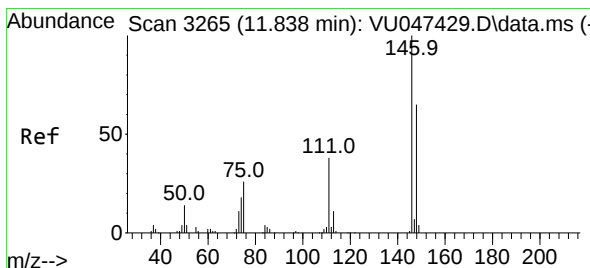
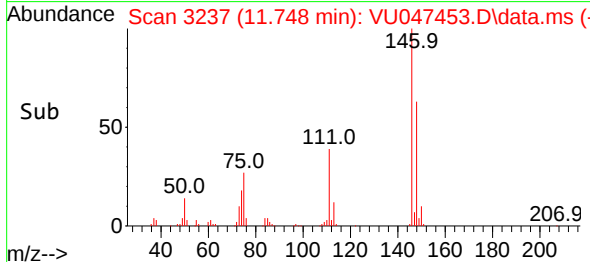
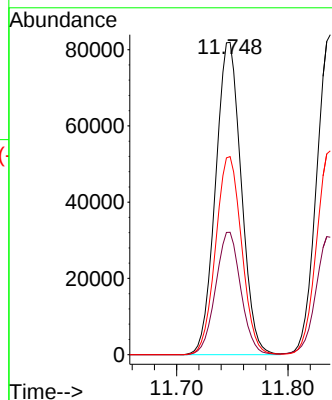
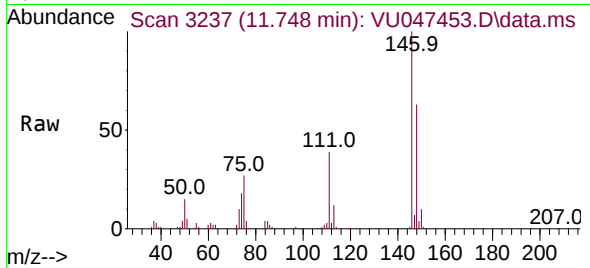




#64
1,3-Dichlorobenzene
Concen: 5.281 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

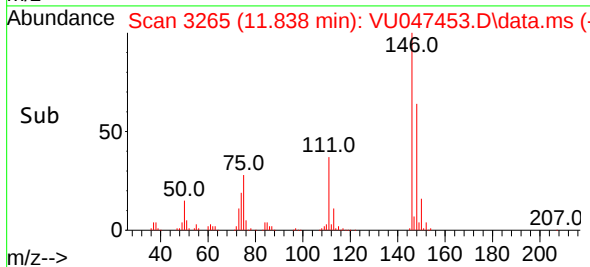
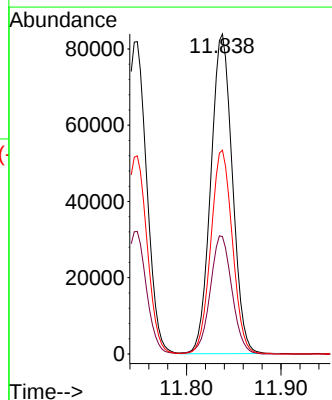
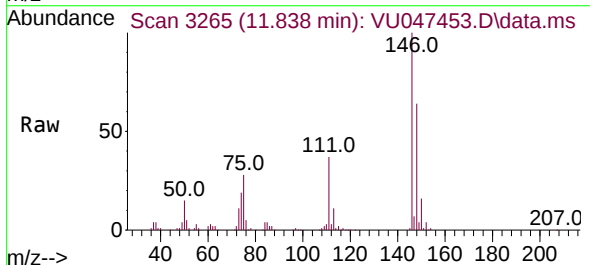
Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

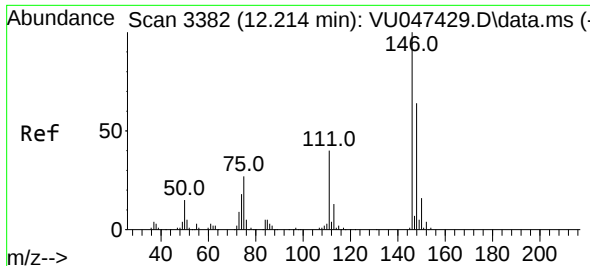
Tgt Ion:146 Resp: 131351
Ion Ratio Lower Upper
146 100
111 39.2 27.0 50.2
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.269 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion:146 Resp: 133062
Ion Ratio Lower Upper
146 100
111 36.7 26.1 48.5
148 63.7 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 5.288 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005094

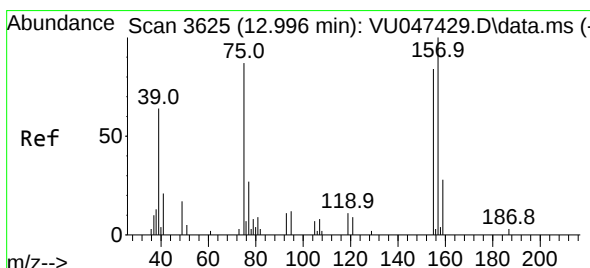
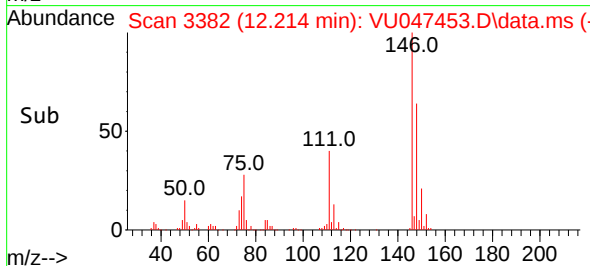
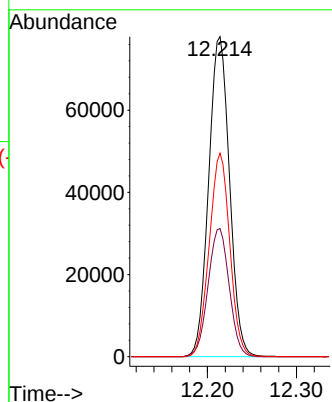
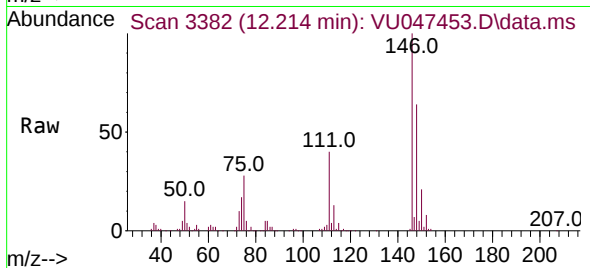
Tgt Ion:146 Resp: 126365

Ion Ratio Lower Upper

146 100

111 40.0 31.9 47.9

148 63.6 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.518 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU047453.D

Acq: 10 Mar 2022 12:48

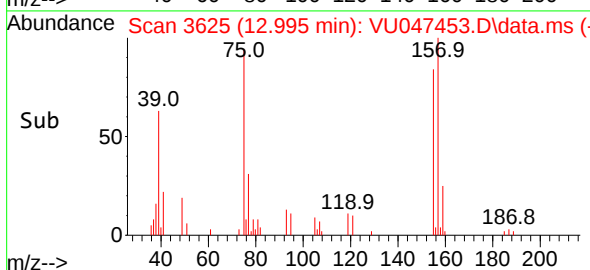
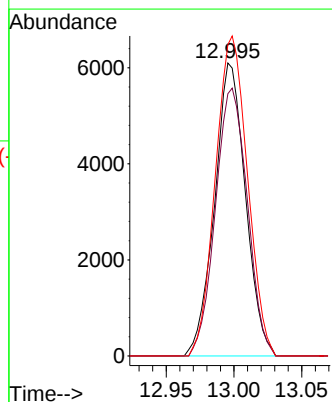
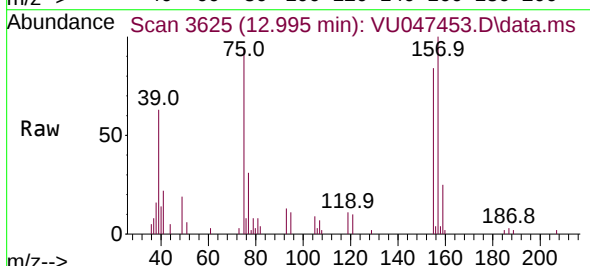
Tgt Ion: 75 Resp: 9663

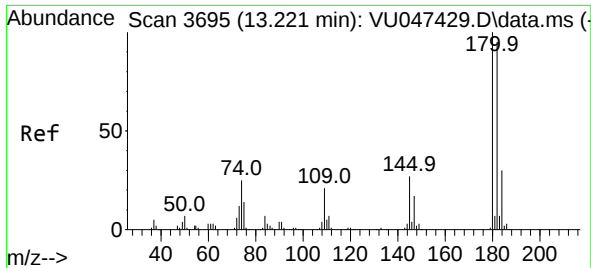
Ion Ratio Lower Upper

75 100

155 89.5 71.3 106.9

157 106.3 88.6 132.8

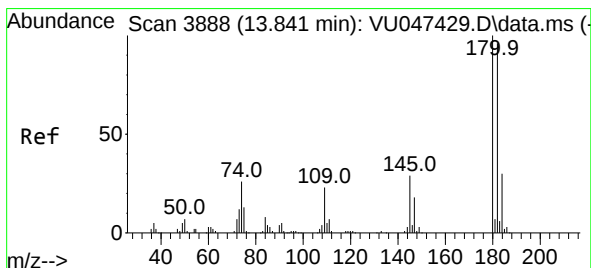
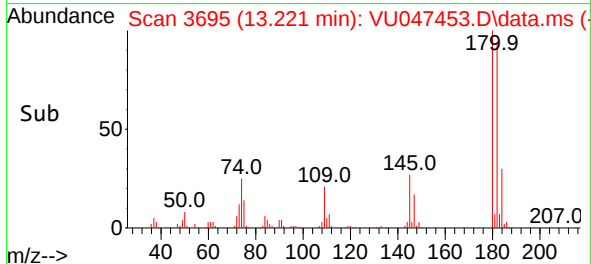
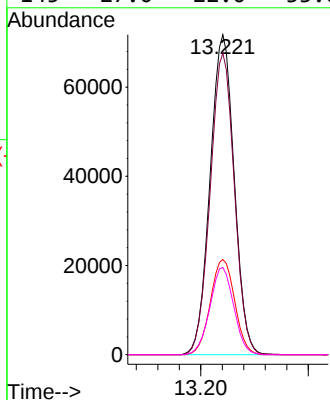
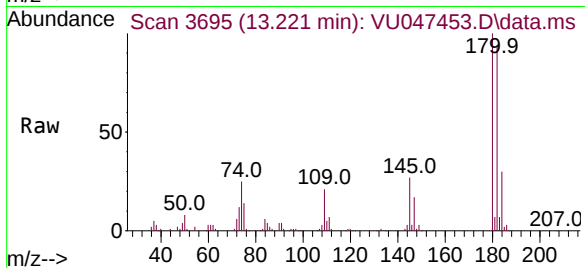




#69
 1,3,5-Trichlorobenzene
 Concen: 5.471 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU047453.D
 Acq: 10 Mar 2022 12:48

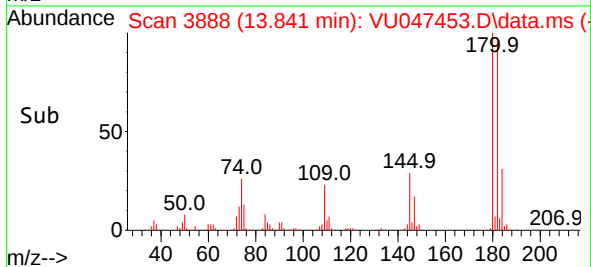
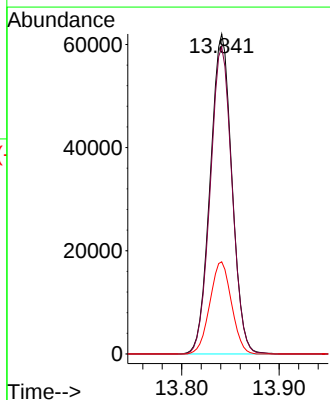
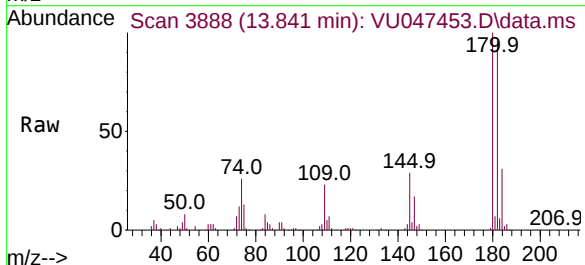
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005094

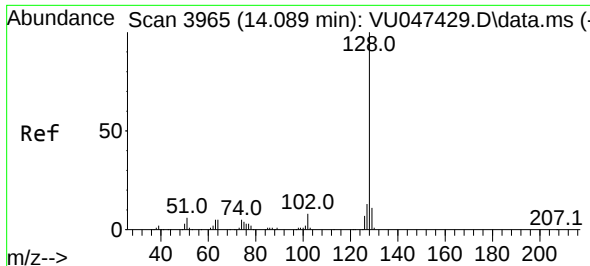
Tgt Ion:	180	Resp:	111593
Ion Ratio	Lower	Upper	
180	100		
182	94.2	77.1	115.7
184	30.1	25.0	37.4
145	27.0	22.0	33.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.280 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047453.D
 Acq: 10 Mar 2022 12:48

Tgt Ion:	180	Resp:	96008
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.6	114.8
145	28.7	22.4	33.6

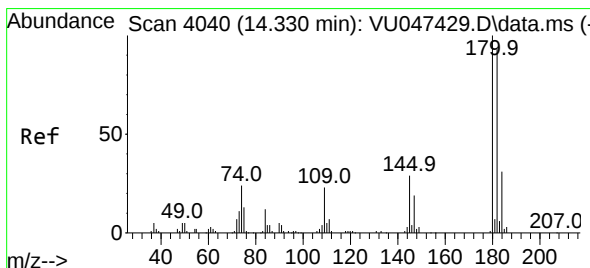
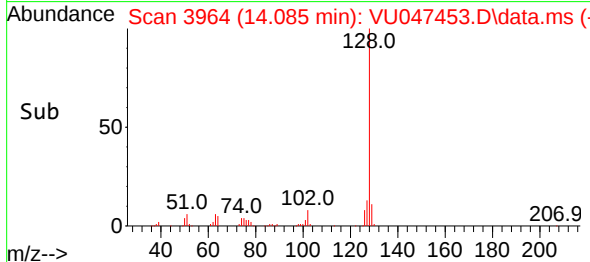
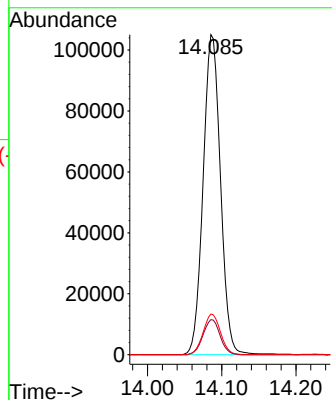
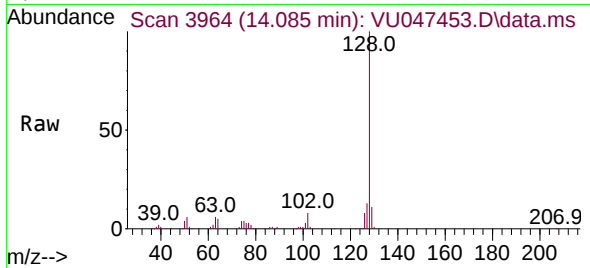




#71
Naphthalene
Concen: 5.234 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD005094

Tgt Ion:128 Resp: 170227
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.298 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047453.D
Acq: 10 Mar 2022 12:48

Tgt Ion:180 Resp: 88330
Ion Ratio Lower Upper
180 100
182 95.5 77.0 115.6
145 29.9 23.4 35.2

