

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
 Data File : VU047829.D
 Acq On : 06 Apr 2022 13:54
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Apr 07 06:21:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 07 06:19:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	50189	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	16300	0.898	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	20498	0.936	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.530	50	766	0.038	ug/l	99
4) Vinyl Chloride	1.604	62	152	0.009	ug/l #	42
5) Bromomethane	1.864	94	369	0.033	ug/l #	53
6) Chloroethane	1.944	64	124	0.011	ug/l #	42
8) 1,1,2-Trichloro-1,2,2-...	2.571	101	19	0.001	ug/l #	18
9) 1,1-Dichloroethene	2.584	96	187	0.014	ug/l	64
11) Allyl Chloride	2.793	41	45	0.002	ug/l	98
12) Acrylonitrile	3.330	53	117	0.034	ug/l #	1
13) Acetone	2.649	43	1394	0.514	ug/l #	81
14) Carbon Disulfide	2.796	76	1984	0.046	ug/l	98
15) Methylene Chloride	3.050	84	3258	Below Cal		94
16) trans-1,2-Dichloroethene	3.349	96	142	0.010	ug/l #	62
17) 1,1-Dichloroethane	3.880	63	39	0.002	ug/l #	82
18) 2-Butanone	4.748	43	994	0.275	ug/l	76
19) Cyclohexane	5.462	56	50	0.003	ug/l #	13
22) cis-1,2-Dichloroethene	4.661	96	41	0.003	ug/l #	1
23) Diethyl Ether	2.388	59	20	0.002	ug/l #	1
24) tert-Butyl Alcohol	3.243	59	20	0.018	ug/l #	72
27) Chloroform	5.099	83	792	0.031	ug/l	84
29) 1,1-Dichloropropene	5.529	75	163	0.009	ug/l #	40
31) Isopropyl Ether	4.002	45	71	0.002	ug/l	94
33) Tert-Amyl methyl ether	6.111	73	643	0.022	ug/l #	42
35) Benzene	5.787	78	607	0.011	ug/l #	52
36) 1,2-Dichloroethane	5.809	62	104	0.006	ug/l #	74
37) Trichloroethene	6.542	130	447	0.028	ug/l #	69
38) 1,2-Dichloropropane	6.790	63	20	0.001	ug/l #	44
39) Methacrylonitrile	5.002	41	44	0.011	ug/l #	20
41) Tetrahydrofuran	5.070	42	329	0.141	ug/l #	73
42) 1-Chlorobutane	5.462	56	50	0.002	ug/l #	27
43) Dibromomethane	6.925	93	20	0.002	ug/l #	54
44) Bromodichloromethane	7.111	83	257	0.014	ug/l #	95
45) 4-Methyl-2-Pentanone	7.803	43	4517	0.544	ug/l	92
46) t-1,4-Dichloro-2-butene	10.828	75	976	0.249	ug/l #	33
47) Methyl methacrylate	6.973	69	316	0.049	ug/l #	57
48) Ethyl methacrylate	8.343	69	676	0.057	ug/l	100
49) Toluene	7.973	92	646	0.019	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	236	0.014	ug/l #	1
51) cis-1,3-Dichloropropene	7.613	75	250	0.013	ug/l #	56
52) 1,1,2-Trichloroethane	8.398	97	272	0.024	ug/l #	45
53) 1,3-Dichloropropane	8.574	76	218	0.012	ug/l #	65
54) 2-Hexanone	8.697	43	4545	0.761	ug/l	94
55) Dibromochloromethane	8.819	129	318	0.023	ug/l	94
56) 1,2-Dibromoethane	8.931	107	292	0.027	ug/l	86

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

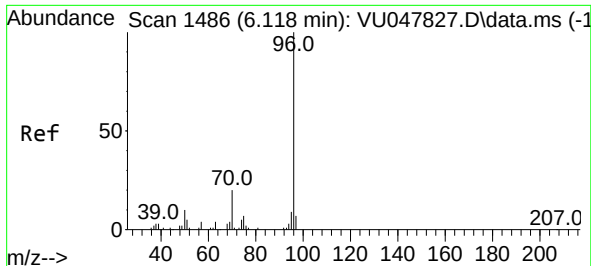
58) Tetrachloroethene	8.549	164	503	0.035	ug/l	95
59) Chlorobenzene	9.452	112	1492	0.038	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.539	131	214	0.015	ug/l #	67
61) Pentachloroethane	11.423	117	631	0.054	ug/l #	71
62) Hexachloroethane	12.478	117	319	0.030	ug/l	88
63) Ethyl Benzene	9.574	91	2028	0.033	ug/l	99
64) m/p-Xylenes	9.700	106	1364	0.056	ug/l	100
65) o-Xylene	10.105	106	743	0.032	ug/l	92
66) Styrene	10.121	104	1559	0.040	ug/l	94
67) Bromoform	10.295	173	380	0.044	ug/l #	70
69) Isopropylbenzene	10.487	105	2732	0.045	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.783	83	892	0.060	ug/l #	92
71) 1,2,3-Trichloropropane	10.828	75	976	0.087	ug/l	73
72) Bromobenzene	10.786	156	1159	0.063	ug/l	98
73) n-propylbenzene	10.909	120	937	0.054	ug/l	100
74) 2-Chlorotoluene	10.989	126	650	0.040	ug/l	54
75) 1,3,5-Trimethylbenzene	11.092	105	2415	0.047	ug/l	97
76) 4-Chlorotoluene	11.105	126	937	0.054	ug/l	88
77) tert-Butylbenzene	11.423	119	3193	0.061	ug/l	94
78) 1,2,4-Trimethylbenzene	11.471	105	3579	0.068	ug/l	93
79) sec-Butylbenzene	11.471	105	3579	0.052	ug/l	96
80) Nitrobenzene	13.224	77	1279	2.287	ug/l #	91
81) p-Isopropyltoluene	11.796	119	4425	0.077	ug/l	97
82) 1,3-Dichlorobenzene	11.751	146	3319	0.090	ug/l	94
83) 1,4-Dichlorobenzene	11.841	146	3835	0.104	ug/l	99
84) n-Butylbenzene	12.214	91	8567	0.156	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	3958	0.114	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.002	75	387	0.165	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.844	180	7825	0.309	ug/l	98
88) Hexachlorobutadiene	14.024	225	2894	0.193	ug/l	97
89) Naphthalene	14.092	128	29960	1.107	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	9719	0.414	ug/l	94

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

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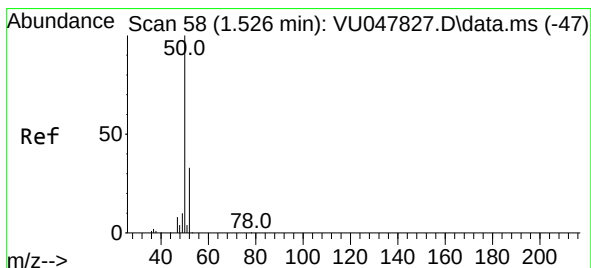
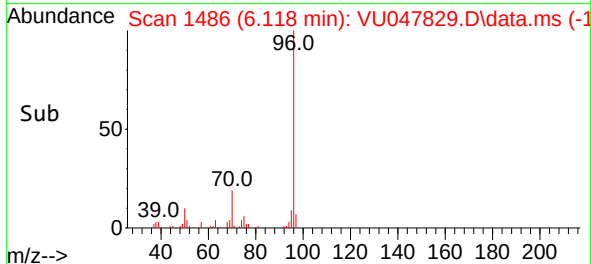
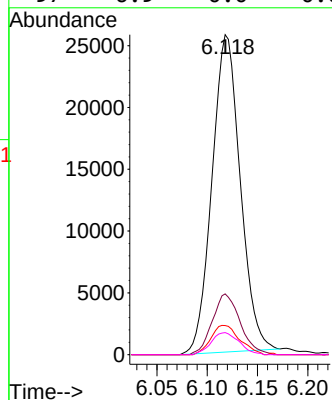
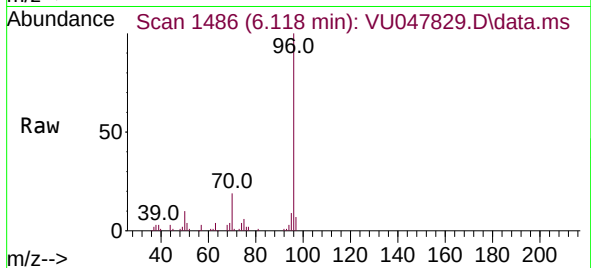




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

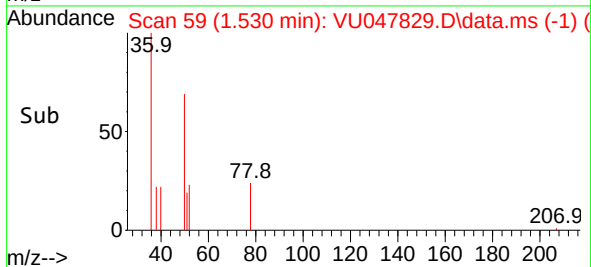
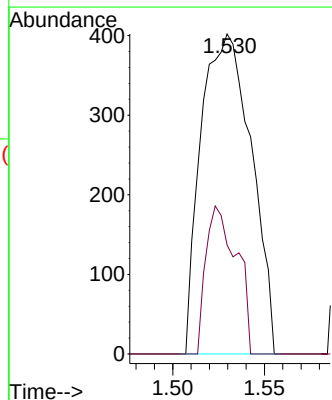
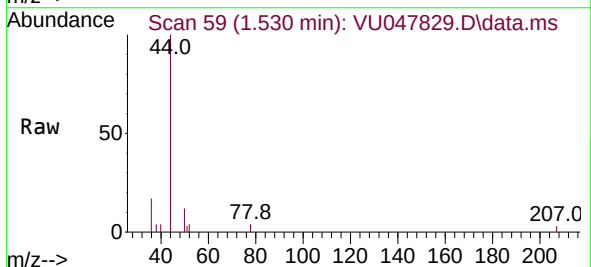
Instrument :
MSVOA_U
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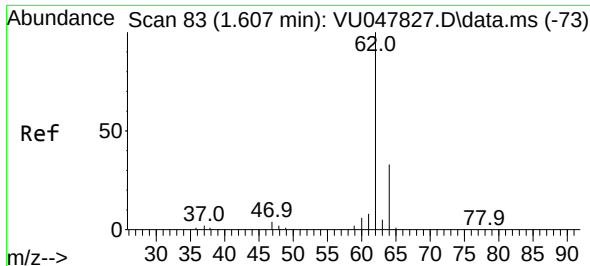
Tgt Ion:	96	Resp:	50189
Ion	Ratio	Lower	Upper
96	100		
70	18.8	15.4	23.0
95	9.4	7.6	11.4
97	6.9	0.0	0.0



#3
Chloromethane
Concen: 0.038 ug/l
RT: 1.530 min Scan# 59
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:	50	Resp:	766
Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.7	40.1

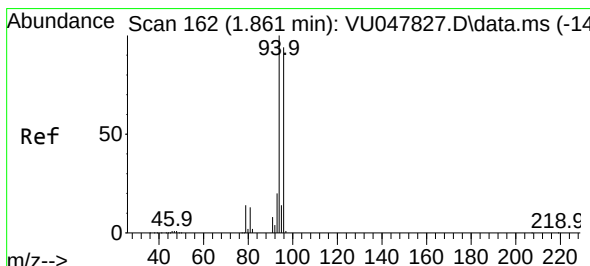
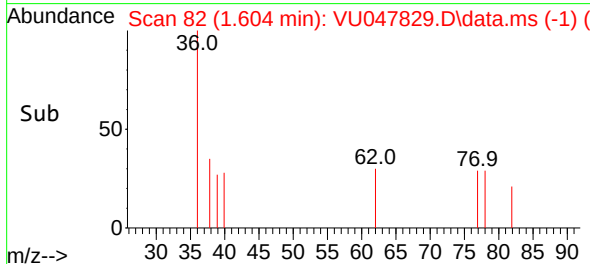
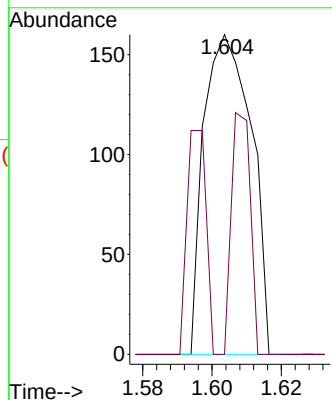
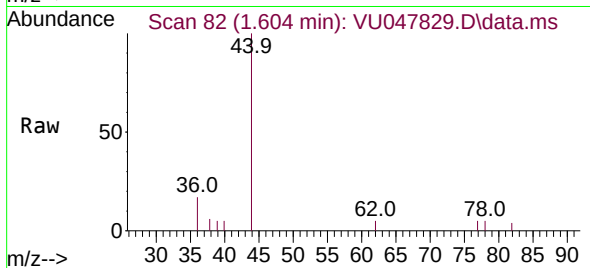




#4
 Vinyl Chloride
 Concen: 0.009 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

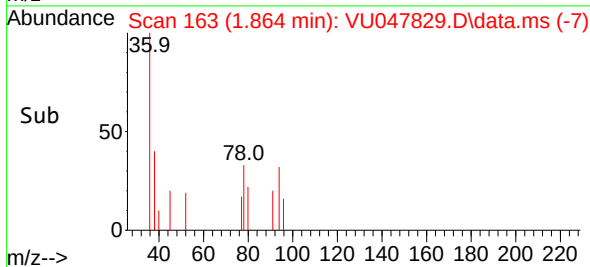
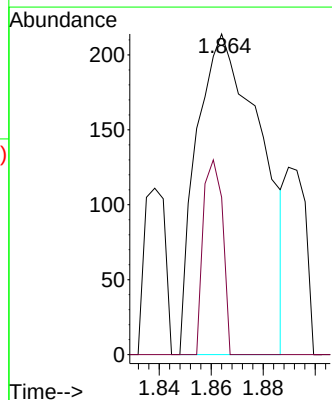
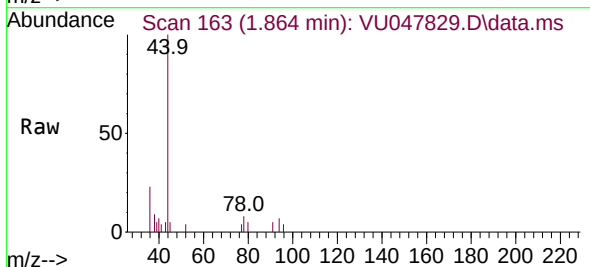
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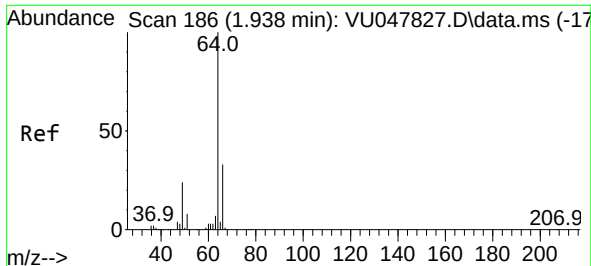
Tgt Ion: 62 Resp: 152
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.4 39.6#



#5
 Bromomethane
 Concen: 0.033 ug/l
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

Tgt Ion: 94 Resp: 369
 Ion Ratio Lower Upper
 94 100
 96 49.1 75.3 112.9#

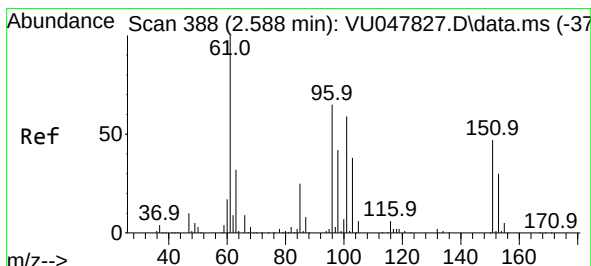
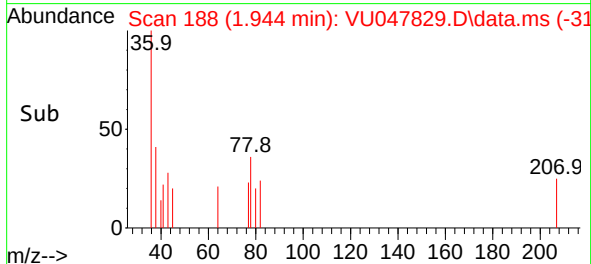
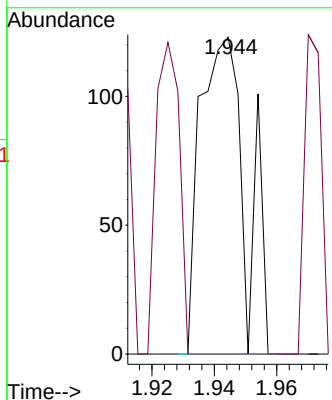
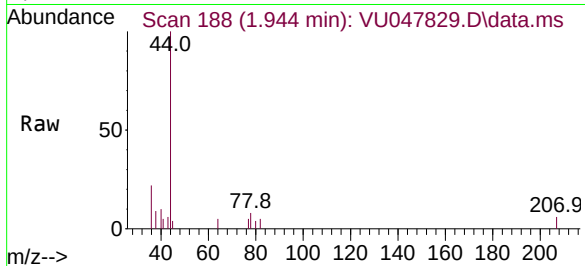




#6
Chloroethane
Concen: 0.011 ug/l
RT: 1.944 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

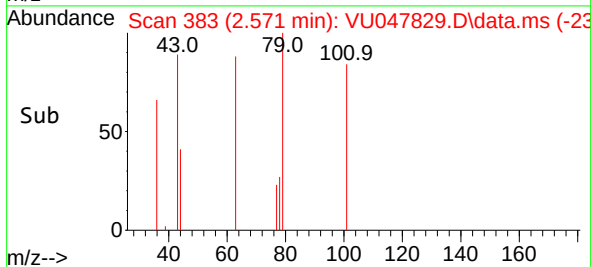
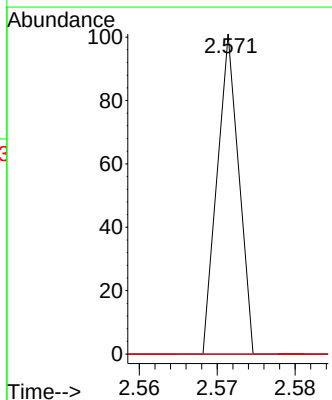
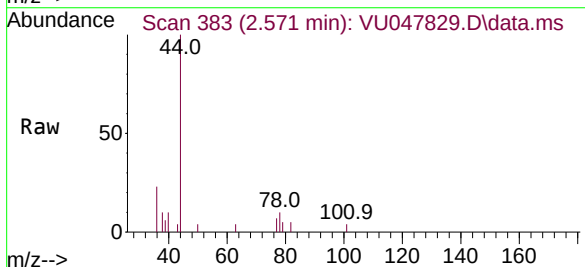
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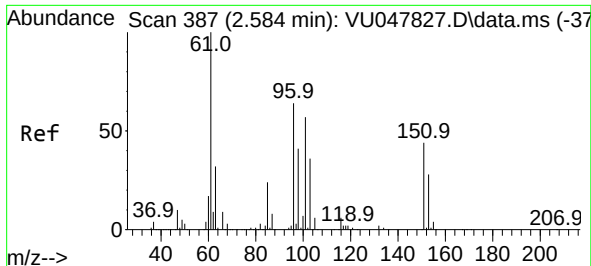
Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.2#



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.001 ug/l
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 101 Resp: 19
Ion Ratio Lower Upper
101 100
85 0.0 33.4 50.2#
151 0.0 63.8 95.8#

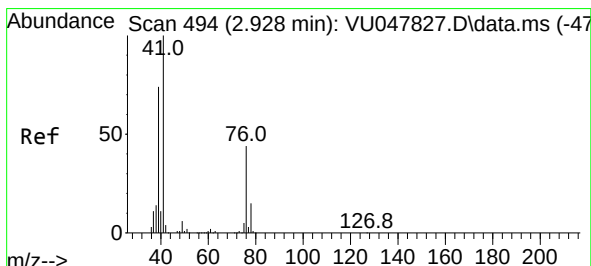
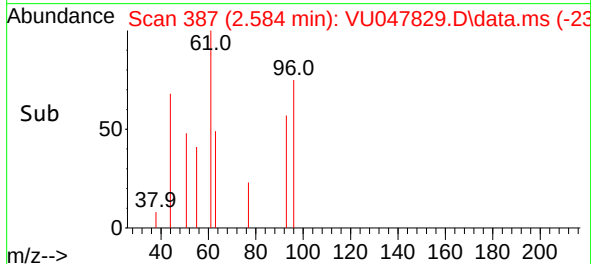
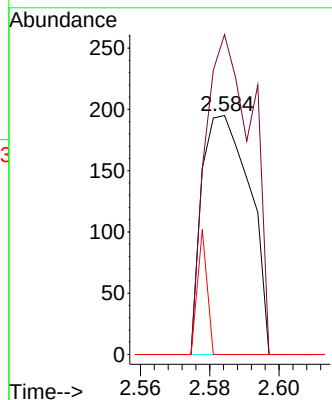
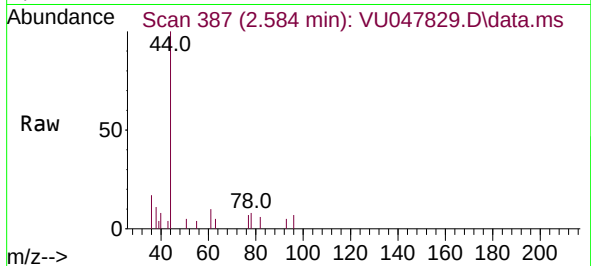




#9
1,1-Dichloroethene
Concen: 0.014 ug/l
RT: 2.584 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

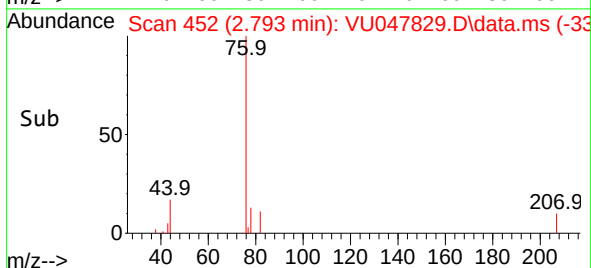
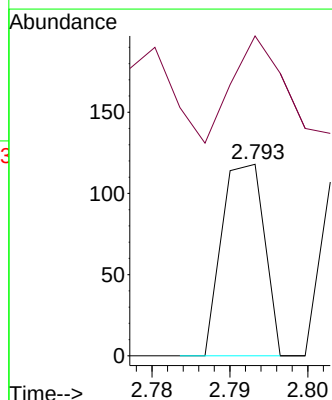
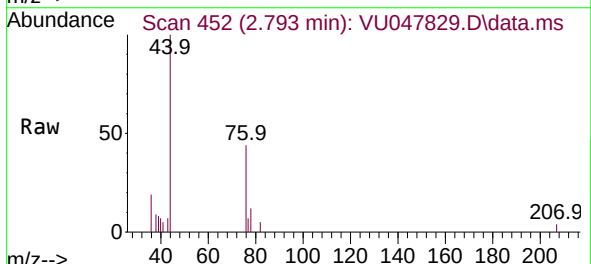
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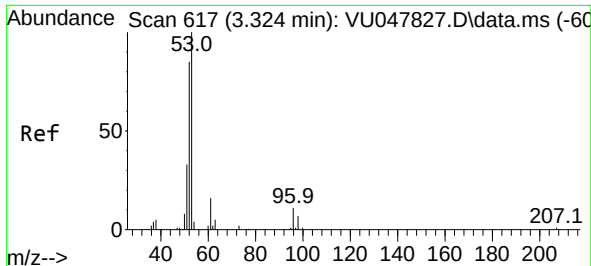
Tgt Ion:	96	Resp:	187
Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	466.5
98	0.0	0.0	128.0



#11
Allyl Chloride
Concen: 0.002 ug/l
RT: 2.793 min Scan# 452
Delta R.T. -0.135 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:	41	Resp:	45
Ion	Ratio	Lower	Upper
41	100		
39	71.1	58.3	87.5

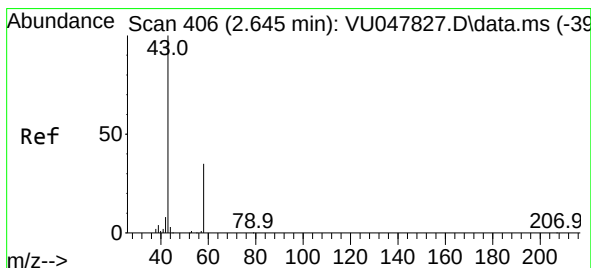
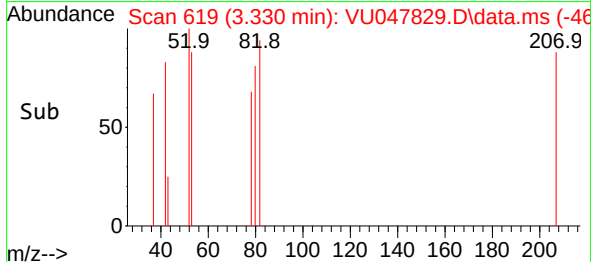
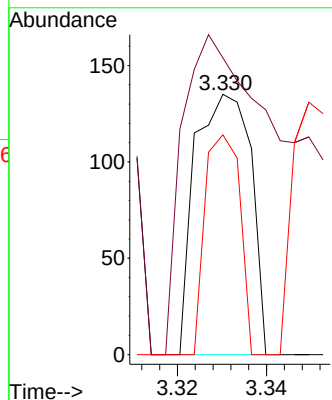
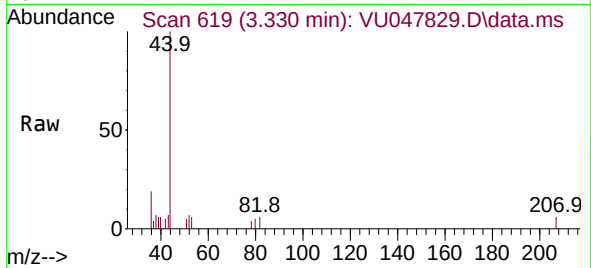




#12
Acrylonitrile
Concen: 0.034 ug/l
RT: 3.330 min Scan# 617
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

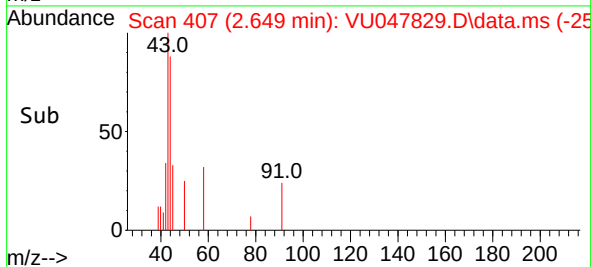
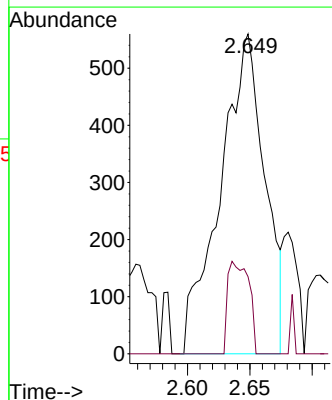
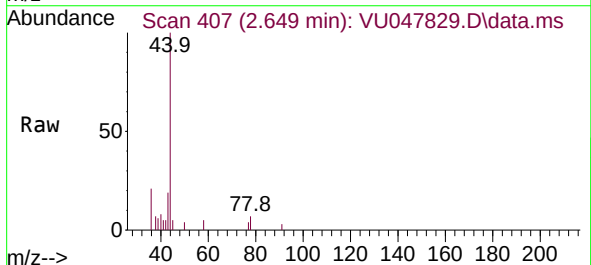
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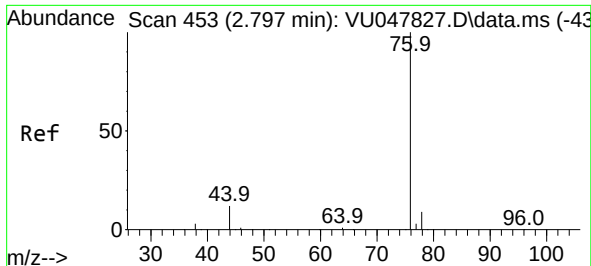
Tgt Ion: 53 Resp: 117
Ion Ratio Lower Upper
53 100
52 234.2 65.5 98.3#
51 53.0 29.6 44.4#



#13
Acetone
Concen: 0.514 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#





#14

Carbon Disulfide

Concen: 0.046 ug/l

RT: 2.796 min Scan# 4

Delta R.T. -0.000 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

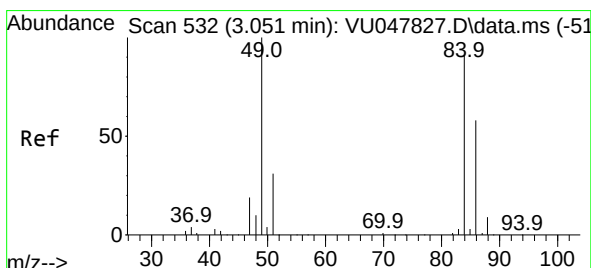
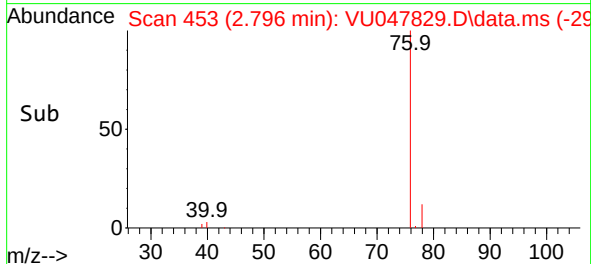
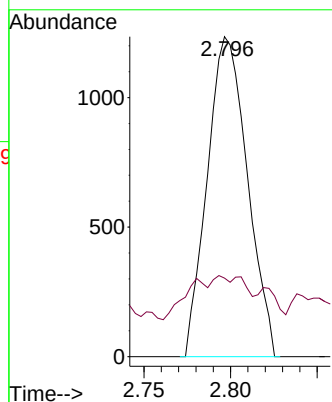
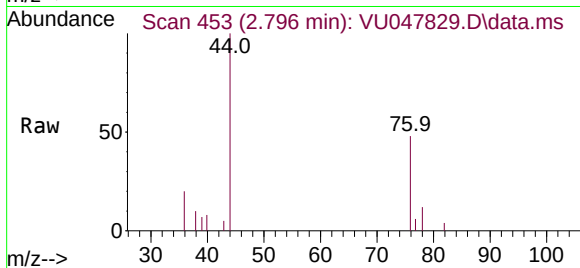
VIBLK

Tgt Ion: 76 Resp: 1984

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



#15

Methylene Chloride

Concen: Below Cal

RT: 3.050 min Scan# 532

Delta R.T. -0.001 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Tgt Ion: 84 Resp: 3258

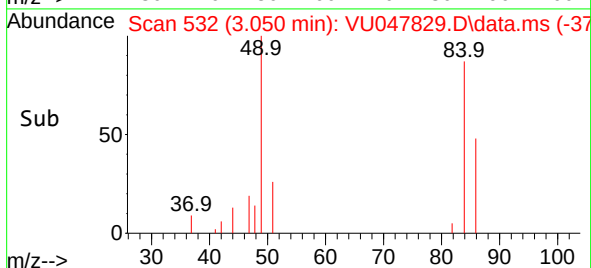
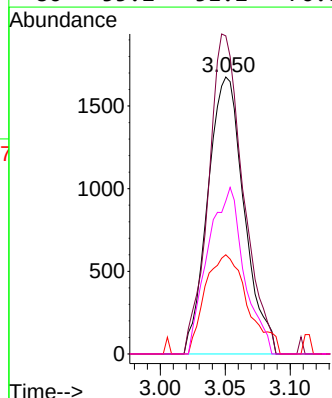
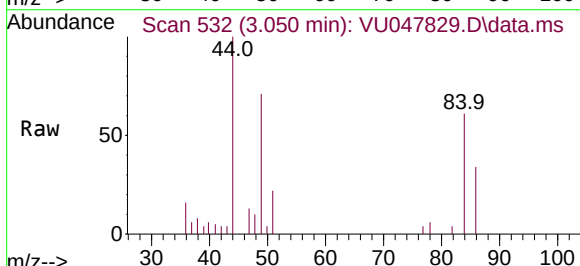
Ion Ratio Lower Upper

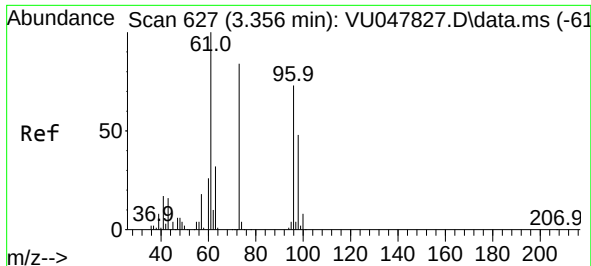
84 100

49 114.8 88.4 132.6

51 35.8 0.0 69.8

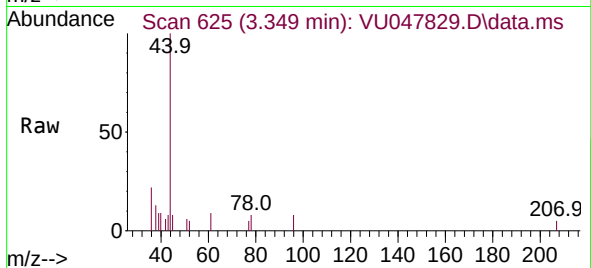
86 55.2 51.2 76.8



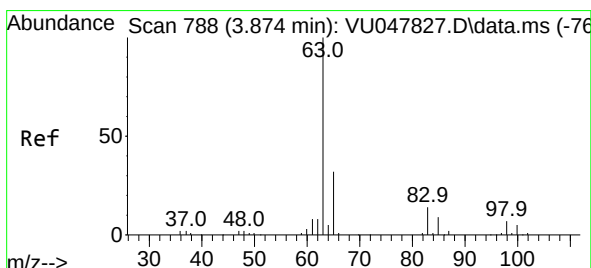
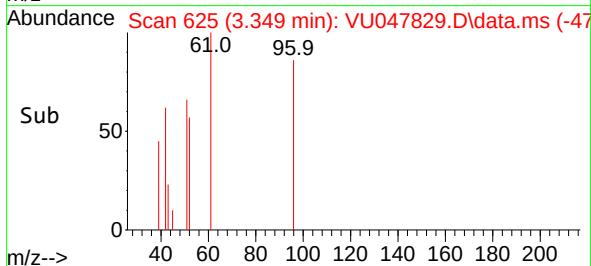
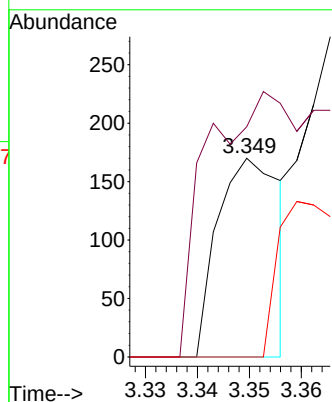


#16
trans-1,2-Dichloroethene
Concen: 0.010 ug/l
RT: 3.349 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

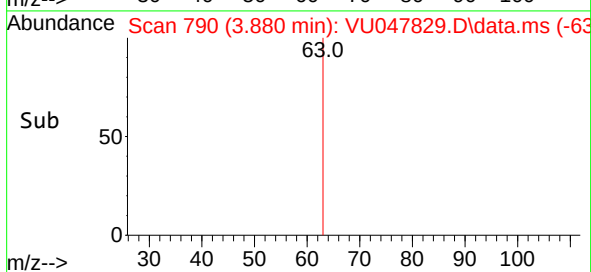
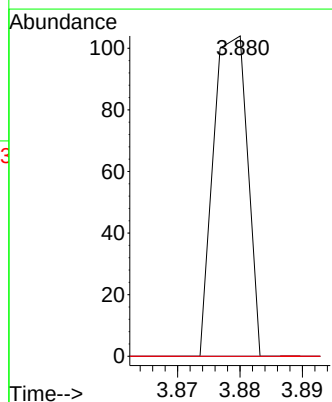
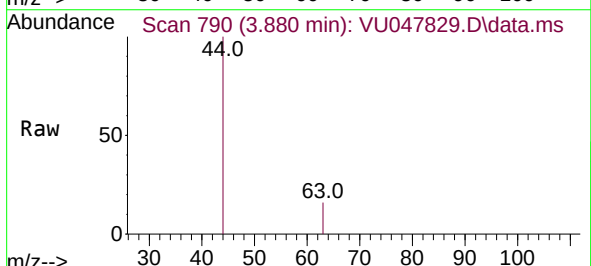


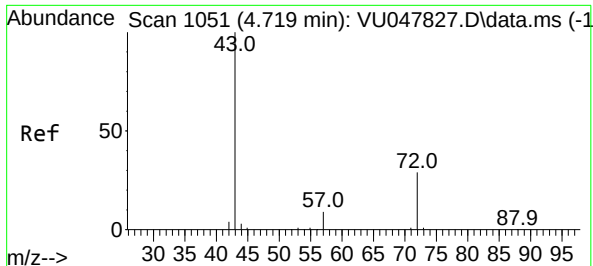
Tgt Ion: 96 Resp: 142
Ion Ratio Lower Upper
96 100
61 115.9 109.2 163.8
98 0.0 52.0 78.0#



#17
1,1-Dichloroethane
Concen: 0.002 ug/l
RT: 3.880 min Scan# 790
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 63 Resp: 39
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.4 7.2#





#18

2-Butanone

Concen: 0.275 ug/l

RT: 4.748 min Scan# 1060

Delta R.T. 0.029 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

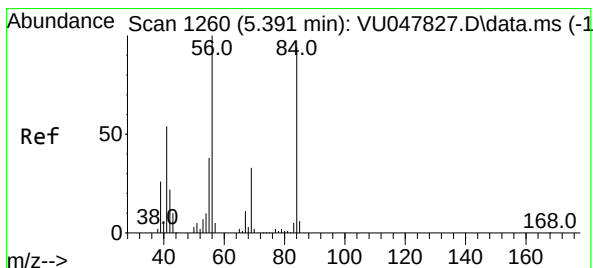
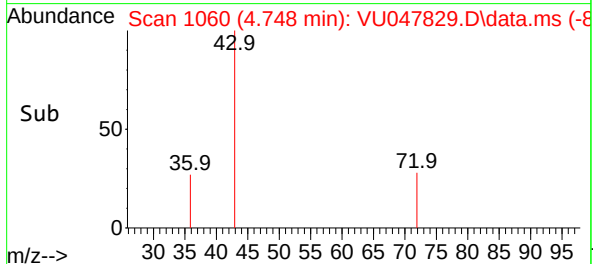
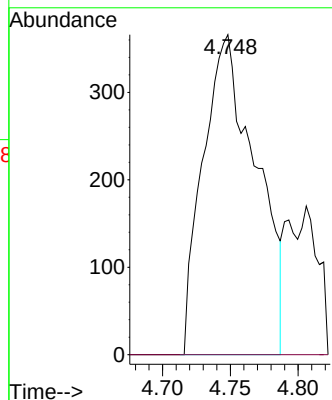
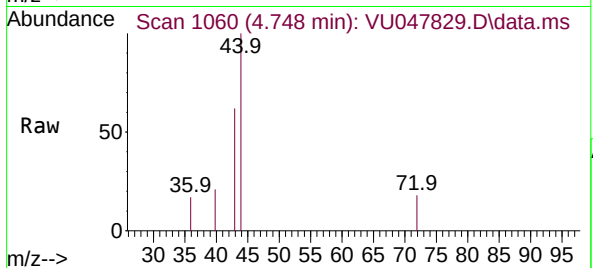
VIBLK

Tgt Ion: 43 Resp: 994

Ion Ratio Lower Upper

43 100

57 0.0 0.0 17.4



#19

Cyclohexane

Concen: 0.003 ug/l

RT: 5.462 min Scan# 1282

Delta R.T. 0.071 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

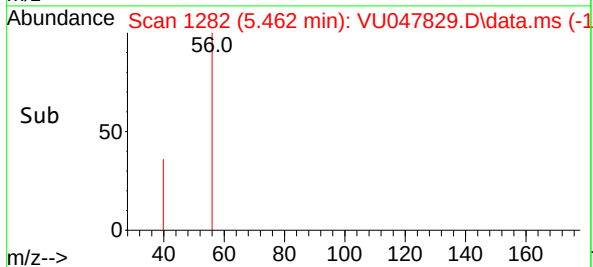
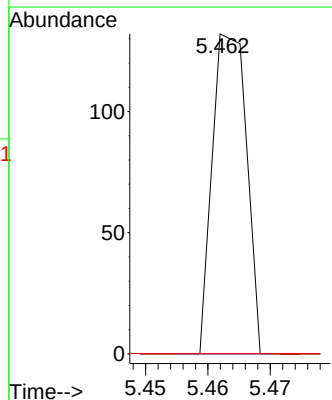
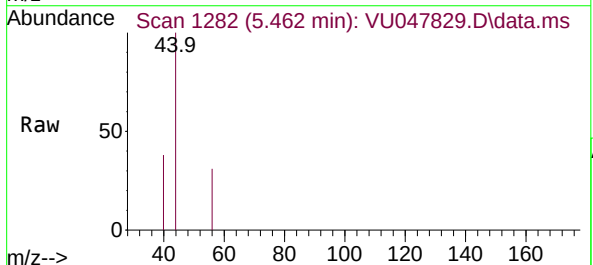
Tgt Ion: 56 Resp: 50

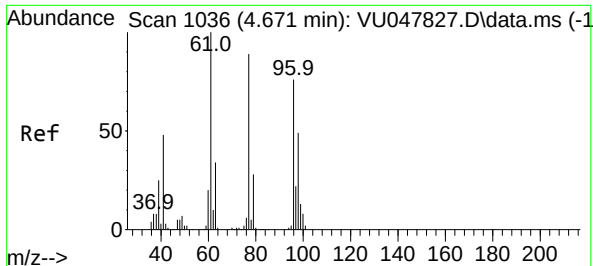
Ion Ratio Lower Upper

56 100

69 0.0 25.4 38.0#

84 0.0 74.0 111.0#





#22

cis-1,2-Dichloroethene

Concen: 0.003 ug/l

RT: 4.661 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

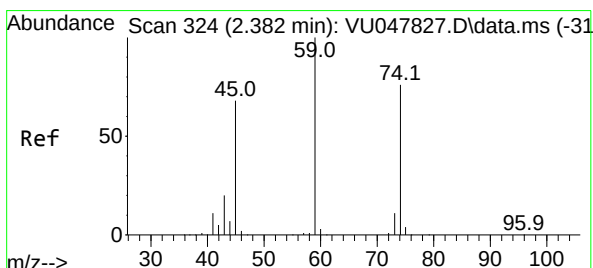
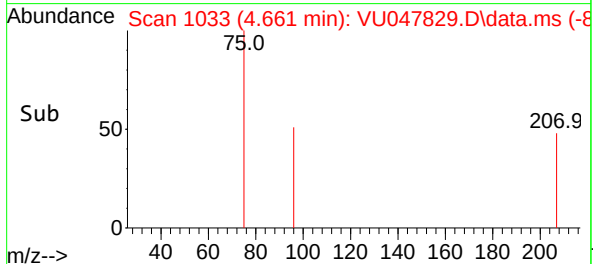
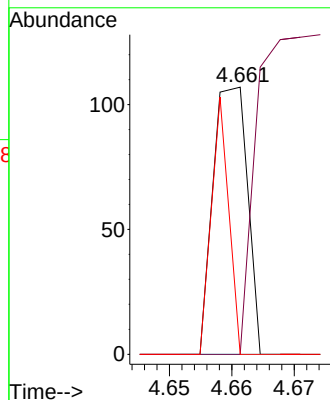
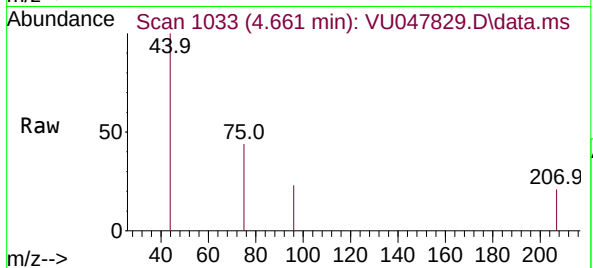
Tgt Ion: 96 Resp: 41

Ion Ratio Lower Upper

96 100

61 570.7 0.0 337.8#

98 48.8 32.5 97.5



#23

Diethyl Ether

Concen: 0.002 ug/l

RT: 2.388 min Scan# 326

Delta R.T. 0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

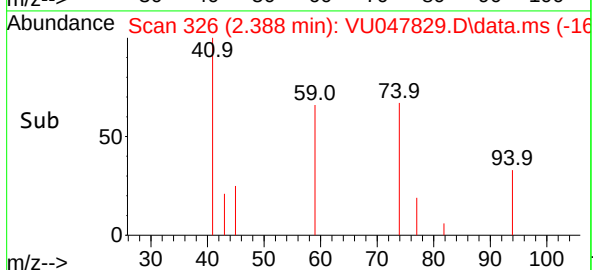
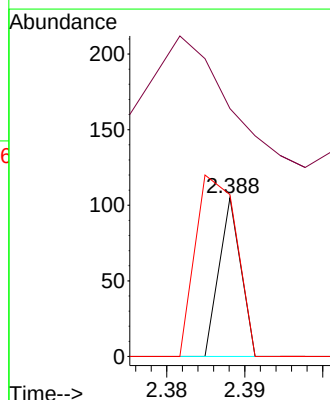
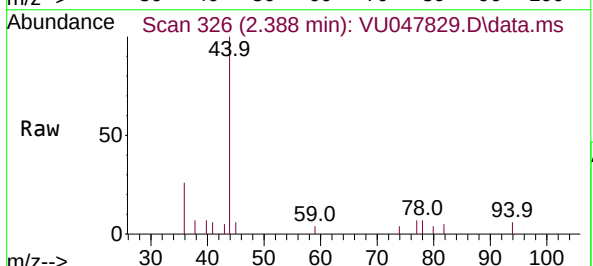
Tgt Ion: 59 Resp: 20

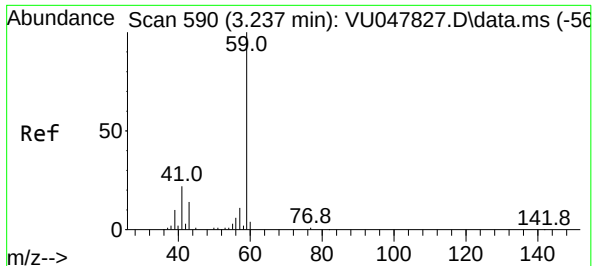
Ion Ratio Lower Upper

59 100

45 1525.0 55.8 83.6#

74 220.0 60.6 91.0#

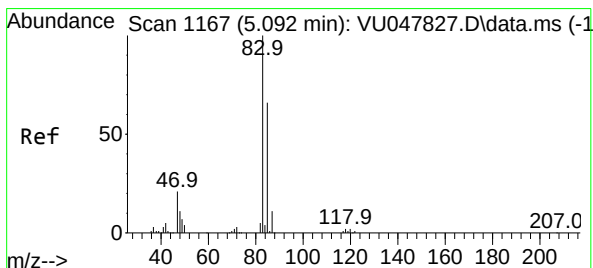
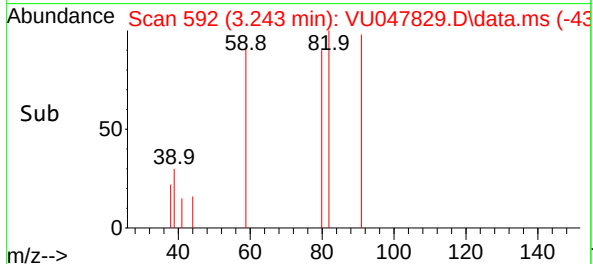
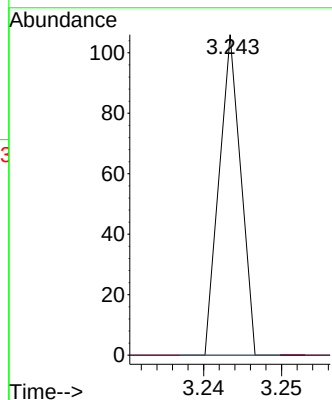
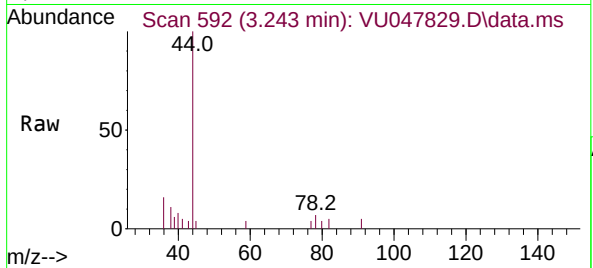




#24
tert-Butyl Alcohol
Concen: 0.018 ug/l
RT: 3.243 min Scan# 59
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

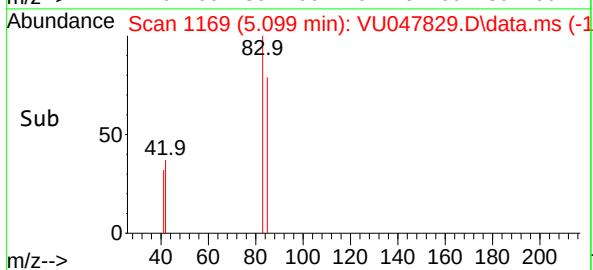
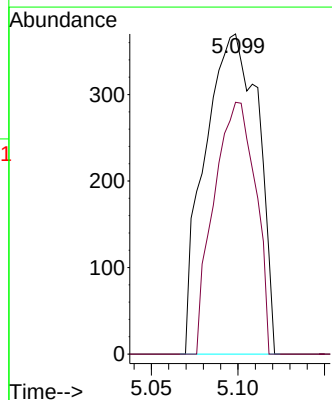
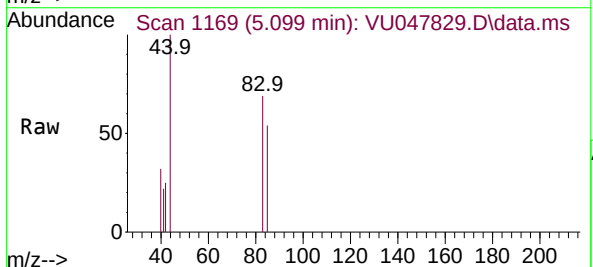
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

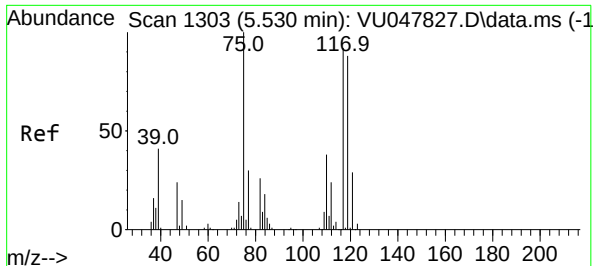
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#27
Chloroform
Concen: 0.031 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 83 Resp: 792
Ion Ratio Lower Upper
83 100
85 78.6 0.0 131.6





#29

1,1-Dichloropropene

Concen: 0.009 ug/l

RT: 5.529 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

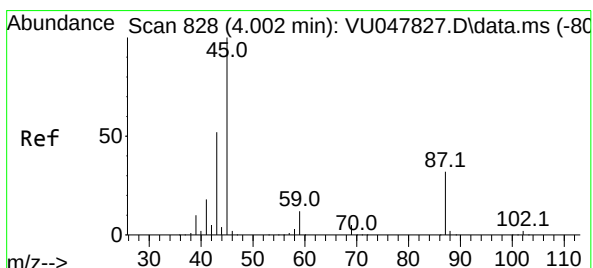
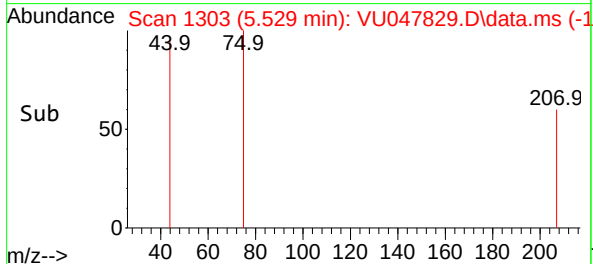
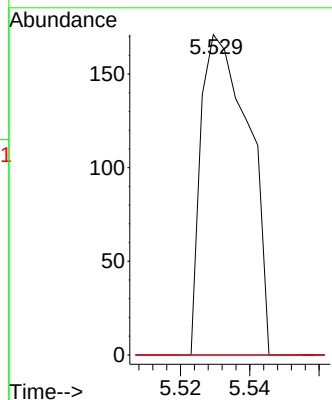
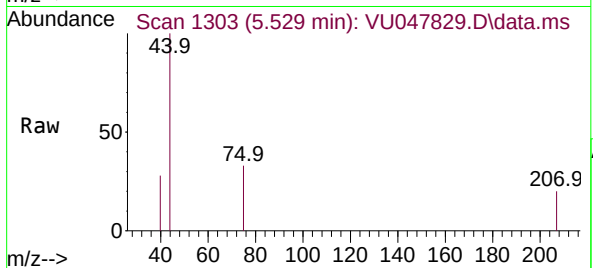
Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.5#

77 0.0 24.7 37.1#



#31

Isopropyl Ether

Concen: 0.002 ug/l

RT: 4.002 min Scan# 828

Delta R.T. -0.000 min

Lab File: VU047829.D

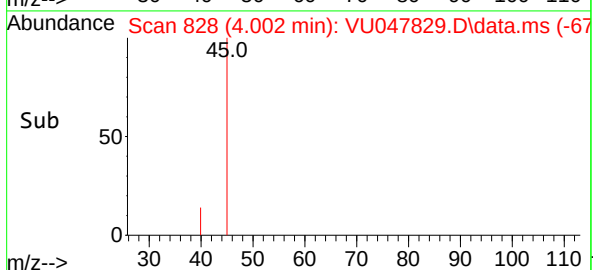
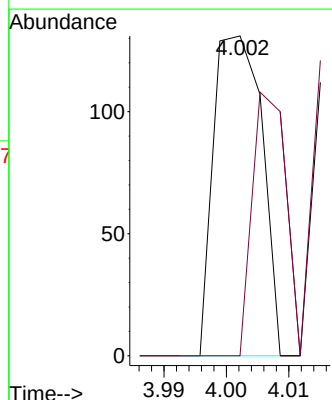
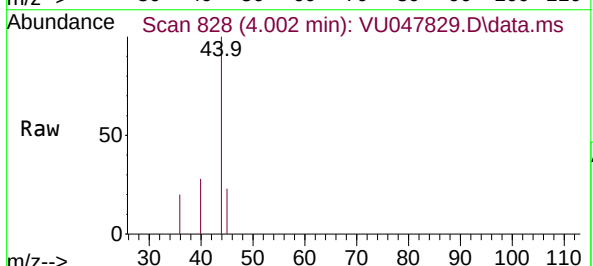
Acq: 06 Apr 2022 13:54

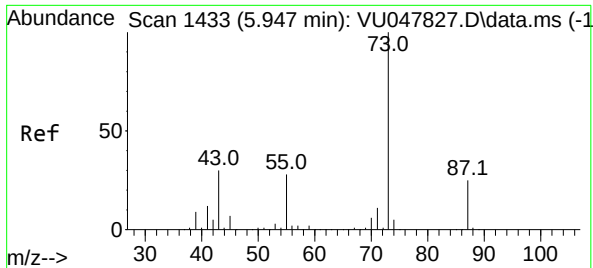
Tgt Ion: 45 Resp: 71

Ion Ratio Lower Upper

45 100

43 56.3 26.1 78.2

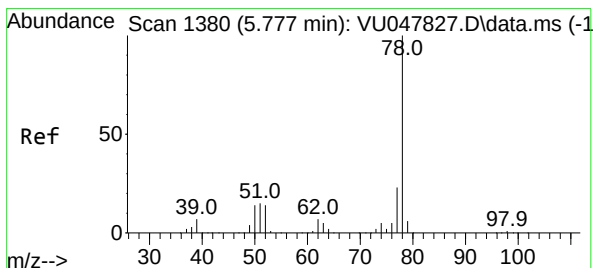
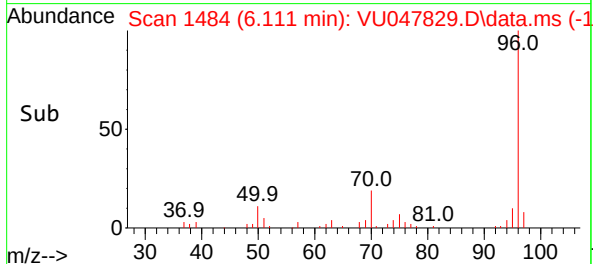
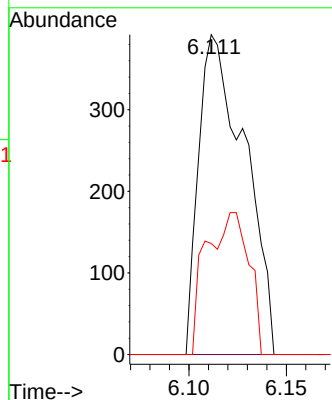
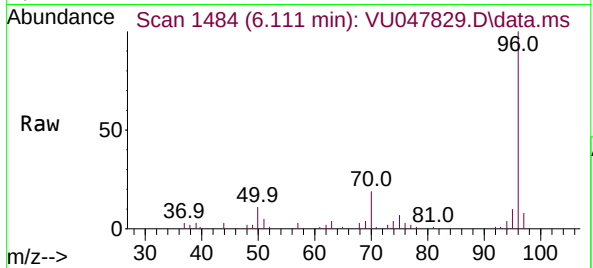




#33
Tert-Amyl methyl ether
Concen: 0.022 ug/l
RT: 6.111 min Scan# 1433
Delta R.T. 0.164 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

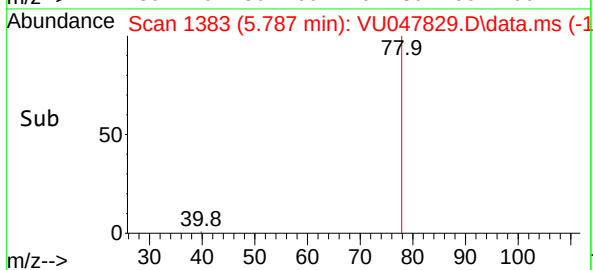
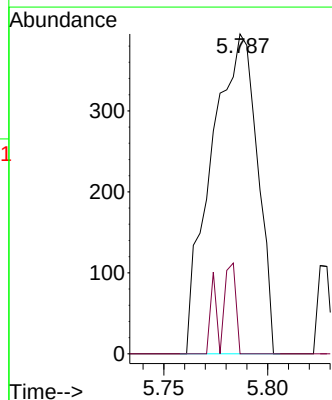
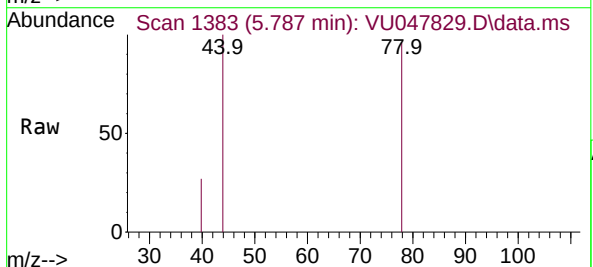
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

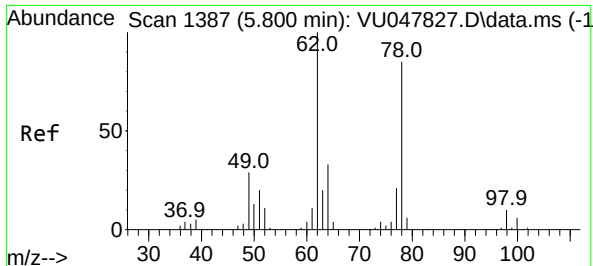
Tgt Ion: 73 Resp: 643
Ion Ratio Lower Upper
73 100
87 0.0 19.9 29.9#
71 41.2 9.2 13.8#



#35
Benzene
Concen: 0.011 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 78 Resp: 607
Ion Ratio Lower Upper
78 100
77 0.0 18.7 28.1#





#36

1,2-Dichloroethane

Concen: 0.006 ug/l

RT: 5.809 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

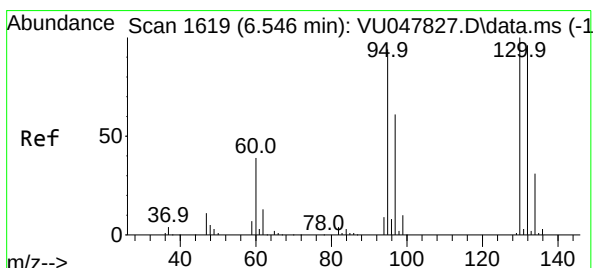
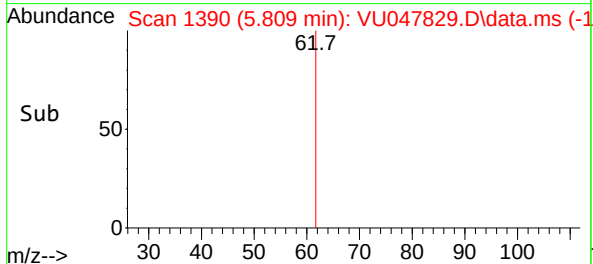
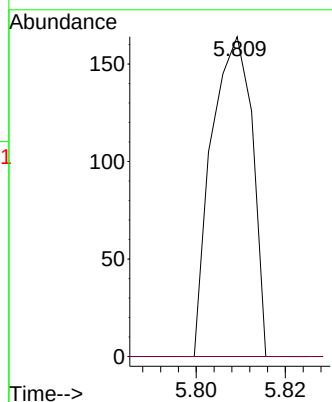
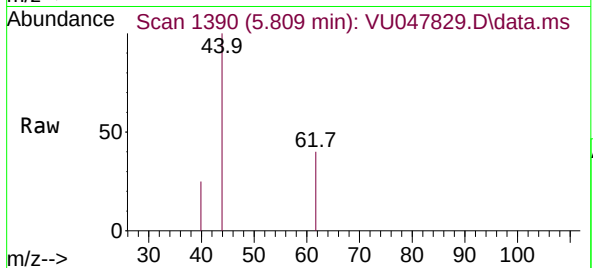
VIBLK

Tgt Ion: 62 Resp: 104

Ion Ratio Lower Upper

62 100

98 0.0 7.7 11.5#



#37

Trichloroethene

Concen: 0.028 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU047829.D

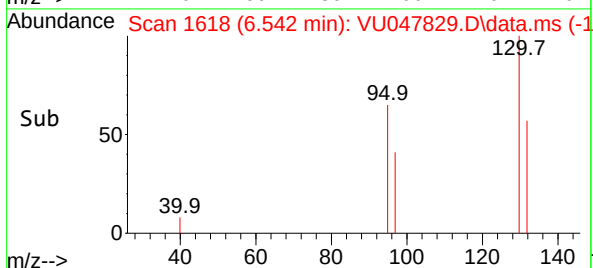
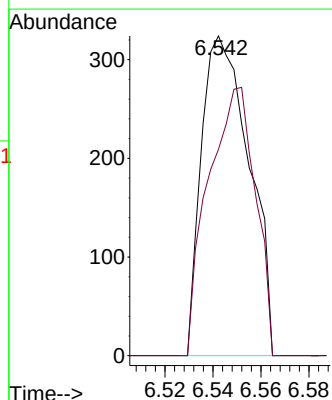
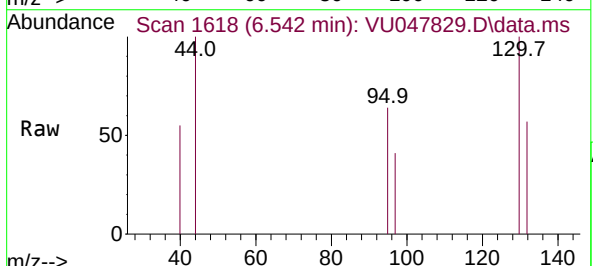
Acq: 06 Apr 2022 13:54

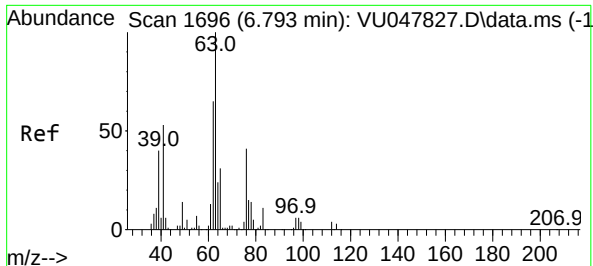
Tgt Ion: 130 Resp: 447

Ion Ratio Lower Upper

130 100

95 64.5 75.4 113.2#





#38

1,2-Dichloropropane

Concen: 0.001 ug/l

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

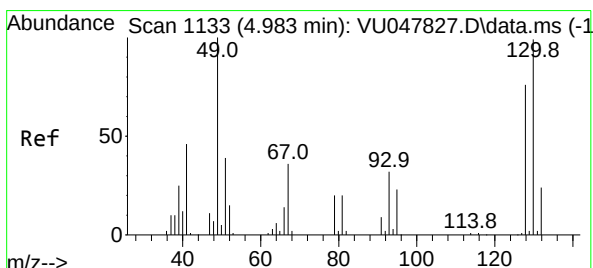
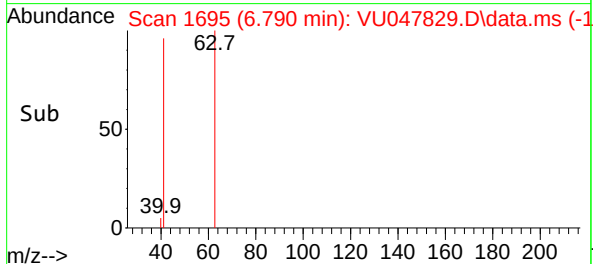
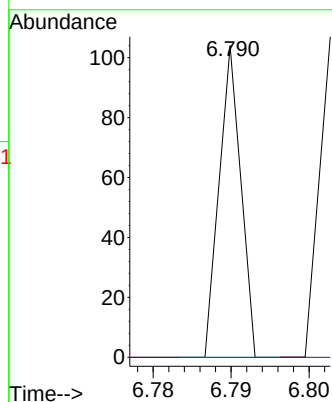
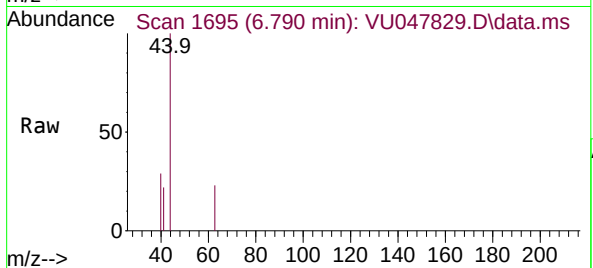
VIBLK

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#39

Methacrylonitrile

Concen: 0.011 ug/l

RT: 5.002 min Scan# 1139

Delta R.T. 0.019 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Tgt Ion: 41 Resp: 44

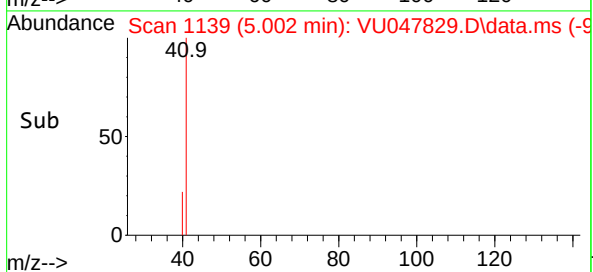
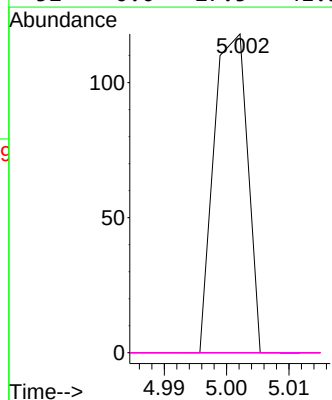
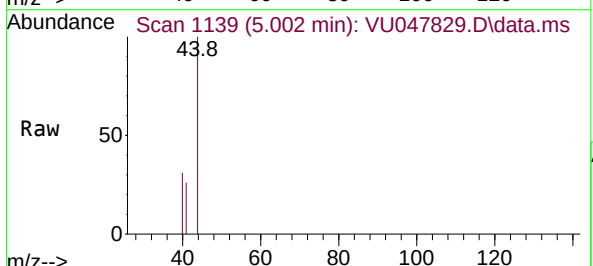
Ion Ratio Lower Upper

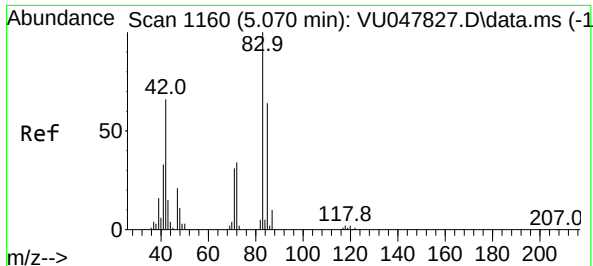
41 100

67 0.0 65.3 97.9#

39 0.0 43.6 65.4#

52 0.0 27.5 41.3#





#41

Tetrahydrofuran

Concen: 0.141 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. -0.000 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

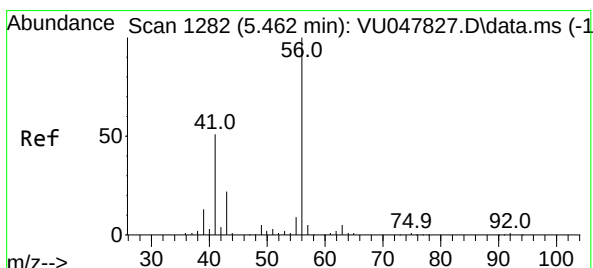
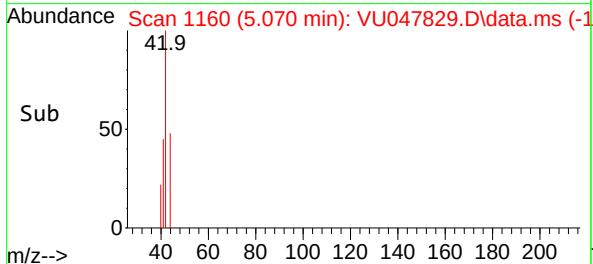
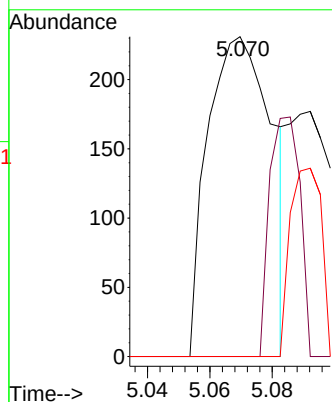
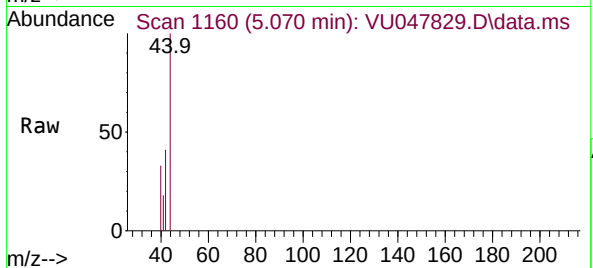
Tgt Ion: 42 Resp: 329

Ion Ratio Lower Upper

42 100

72 35.6 43.8 65.8#

71 28.9 37.4 56.0#



#42

1-Chlorobutane

Concen: 0.002 ug/l

RT: 5.462 min Scan# 1282

Delta R.T. -0.000 min

Lab File: VU047829.D

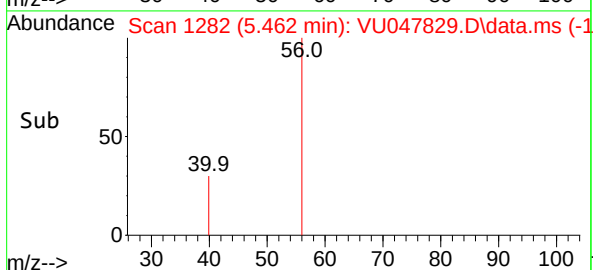
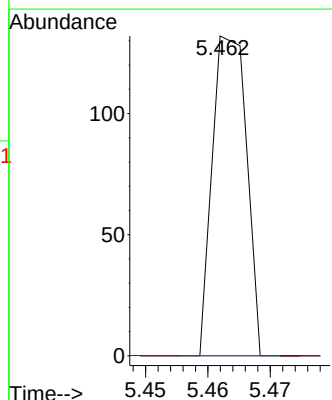
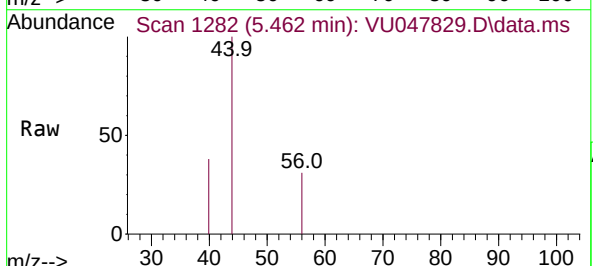
Acq: 06 Apr 2022 13:54

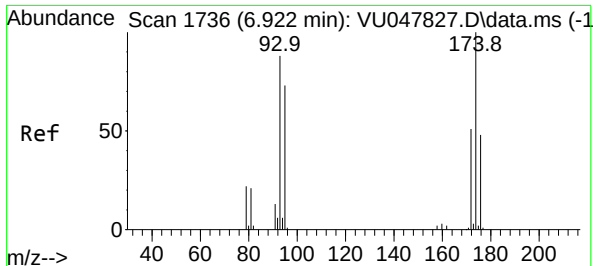
Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

41 0.0 25.6 76.6#





#43

Dibromomethane

Concen: 0.002 ug/l

RT: 6.925 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

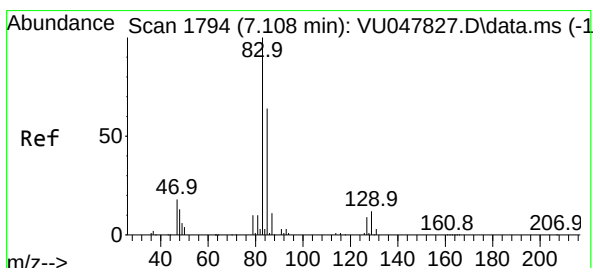
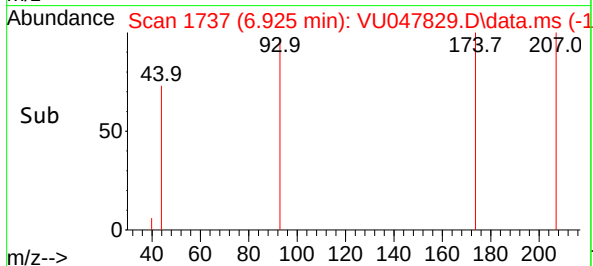
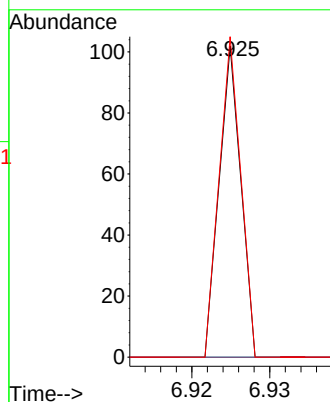
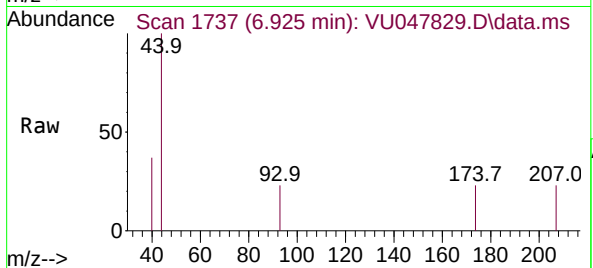
Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 93	Resp:	20
Ion	Ratio	Lower Upper
93	100	
95	0.0	67.0 100.4#
174	100.0	89.8 134.8



#44

Bromodichloromethane

Concen: 0.014 ug/l

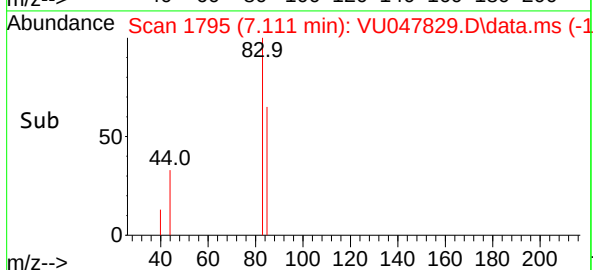
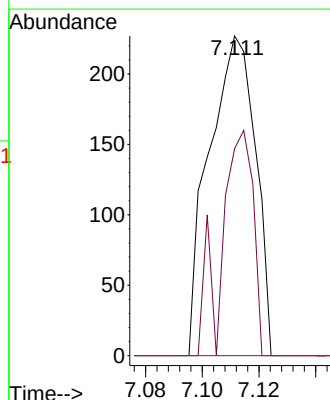
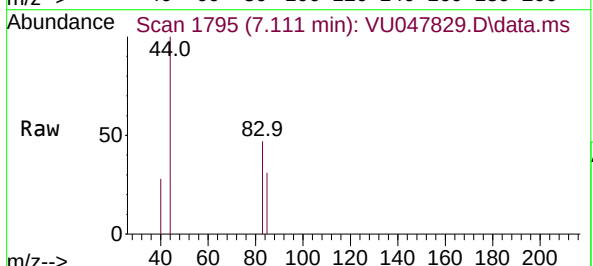
RT: 7.111 min Scan# 1795

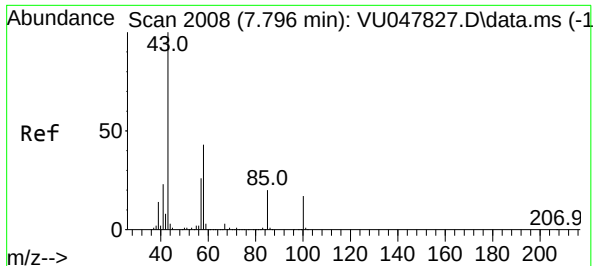
Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Tgt Ion: 83	Resp:	257
Ion	Ratio	Lower Upper
83	100	
85	64.8	50.8 76.2
127	0.0	7.4 11.2#





#45

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 7.803 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

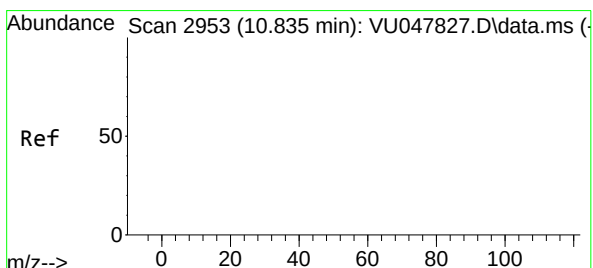
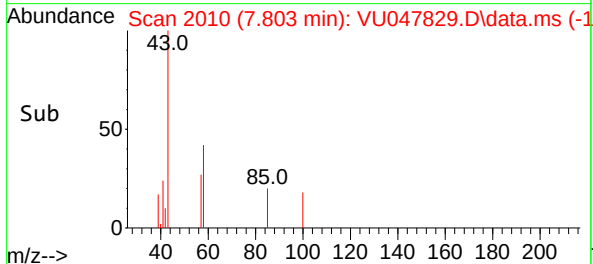
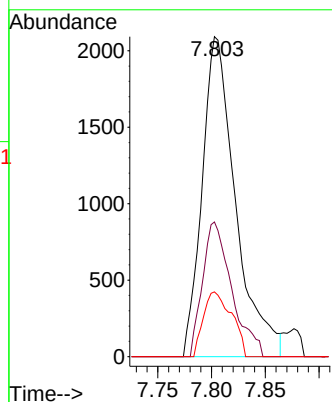
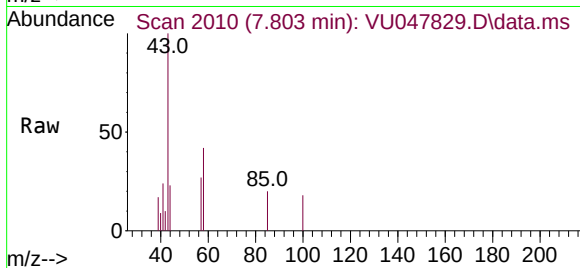
Tgt Ion: 43 Resp: 4517

Ion Ratio Lower Upper

43 100

58 36.7 21.1 63.4

85 17.1 16.2 24.2



#46

t-1,4-Dichloro-2-butene

Concen: 0.249 ug/l

RT: 10.828 min Scan# 2951

Delta R.T. -0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Tgt Ion: 75 Resp: 976

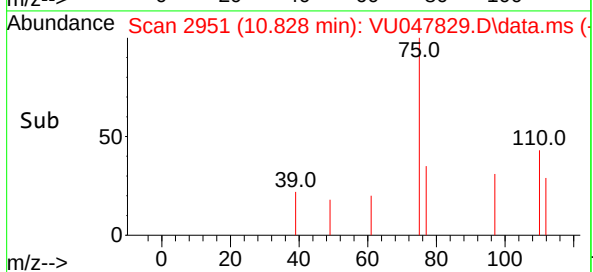
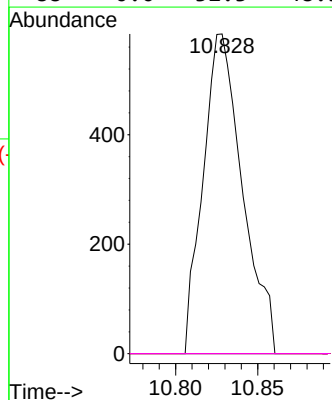
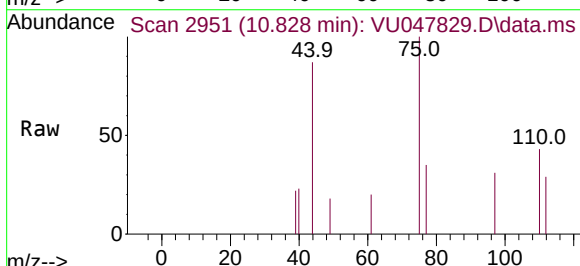
Ion Ratio Lower Upper

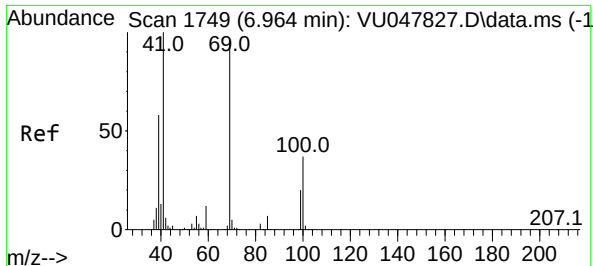
75 100

53 0.0 63.4 95.2#

89 29.6 43.6 65.4#

88 0.0 32.3 48.5#





#47

Methyl methacrylate

Concen: 0.049 ug/l

RT: 6.973 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 69 Resp: 316

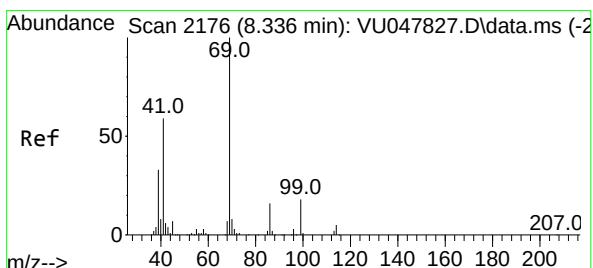
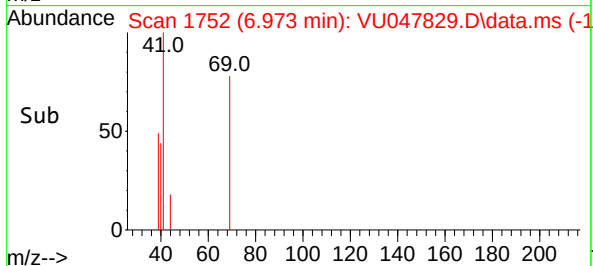
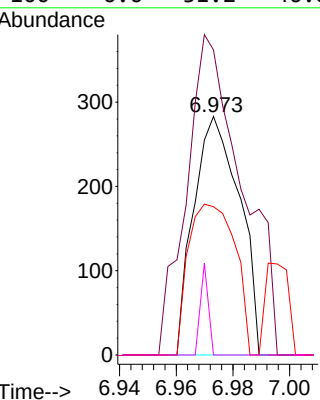
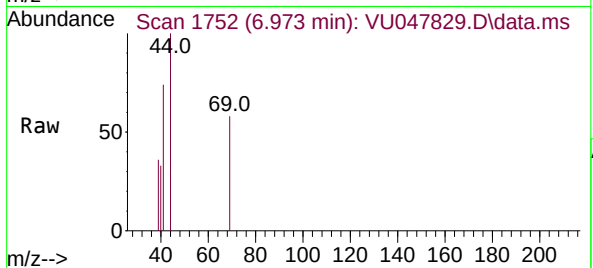
Ion Ratio Lower Upper

69 100

41 163.3 0.0 205.0

39 64.6 47.9 71.9

100 6.6 31.2 46.8#



#48

Ethyl methacrylate

Concen: 0.057 ug/l

RT: 8.343 min Scan# 2178

Delta R.T. 0.006 min

Lab File: VU047829.D

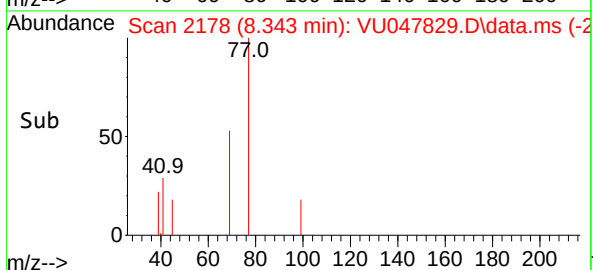
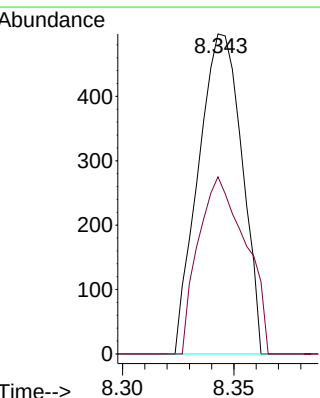
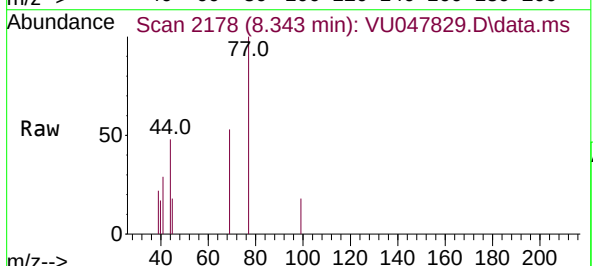
Acq: 06 Apr 2022 13:54

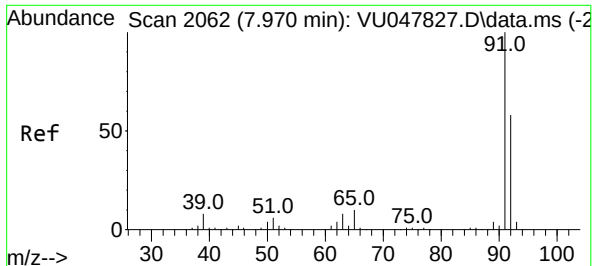
Tgt Ion: 69 Resp: 676

Ion Ratio Lower Upper

69 100

41 59.9 29.8 89.4





#49

Toluene

Concen: 0.019 ug/l

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

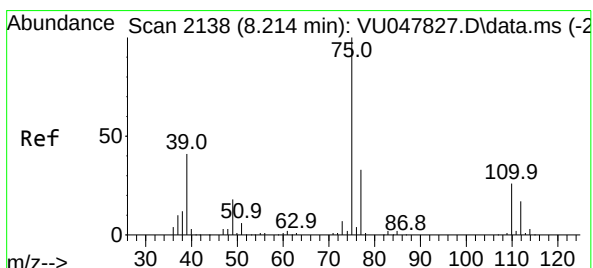
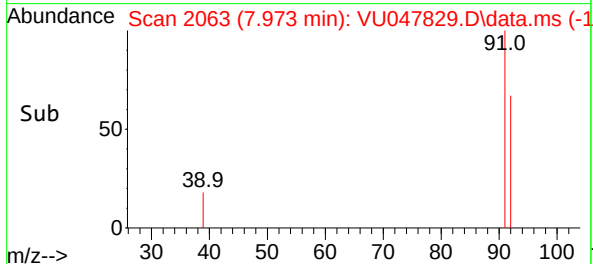
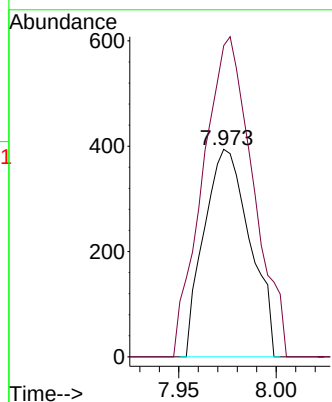
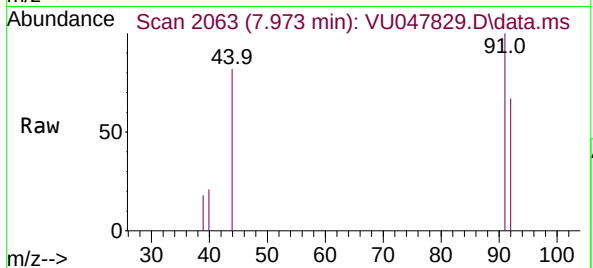
VIBLK

Tgt Ion: 92 Resp: 646

Ion Ratio Lower Upper

92 100

91 168.9 137.4 206.0



#50

t-1,3-Dichloropropene

Concen: 0.014 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU047829.D

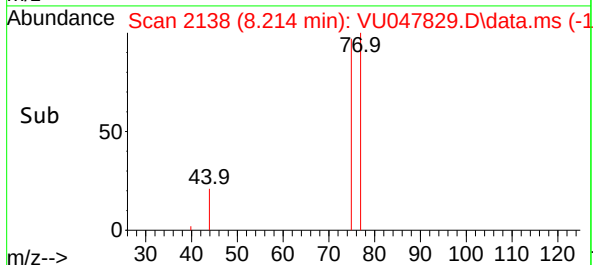
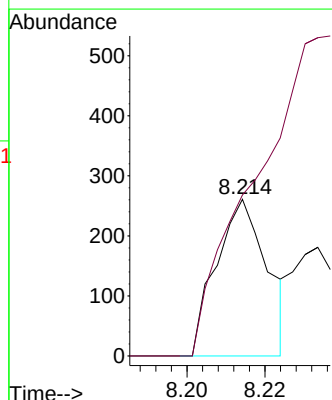
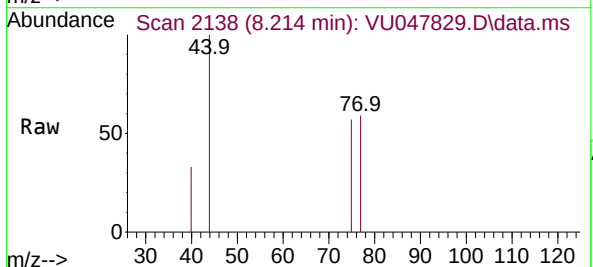
Acq: 06 Apr 2022 13:54

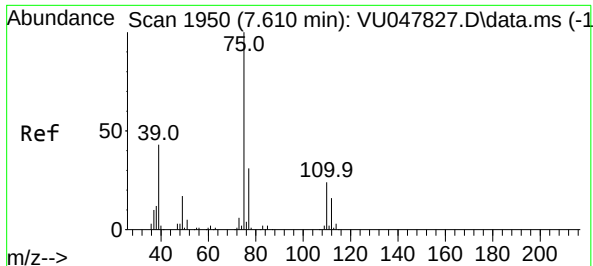
Tgt Ion: 75 Resp: 236

Ion Ratio Lower Upper

75 100

77 102.7 26.0 39.0#





#51

cis-1,3-Dichloropropene

Concen: 0.013 ug/l

RT: 7.613 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

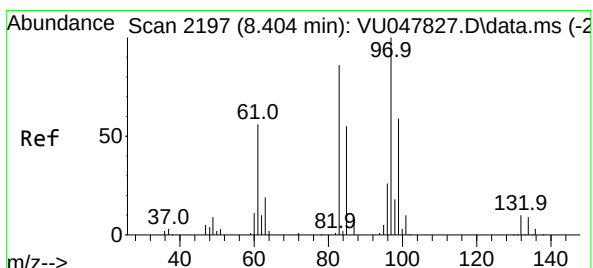
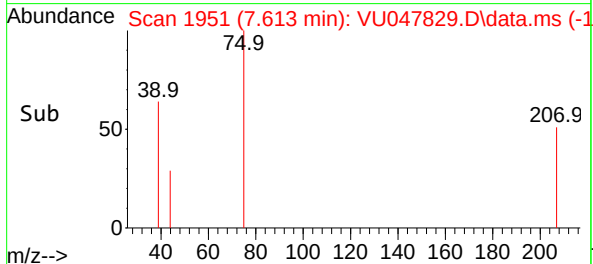
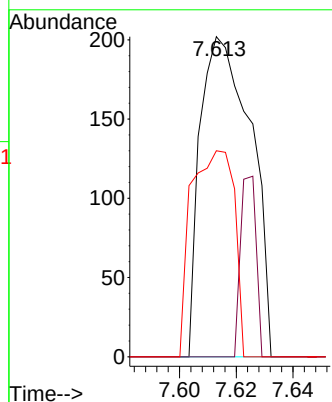
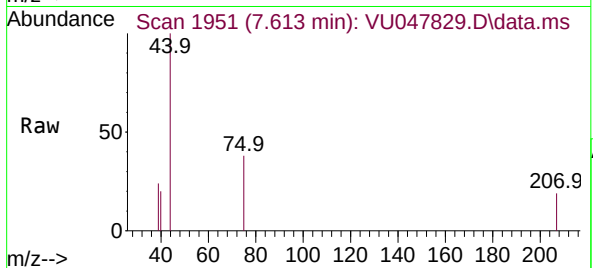
Tgt Ion: 75 Resp: 250

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 64.4 34.2 51.4#



#52

1,1,2-Trichloroethane

Concen: 0.024 ug/l

RT: 8.398 min Scan# 2195

Delta R.T. -0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Tgt Ion: 97 Resp: 272

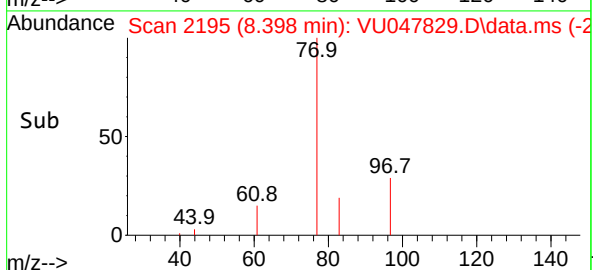
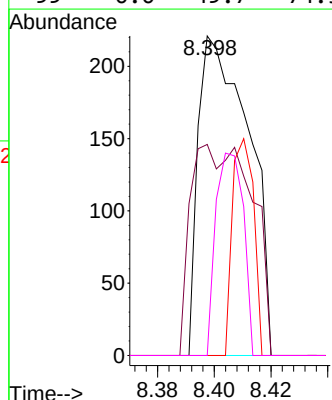
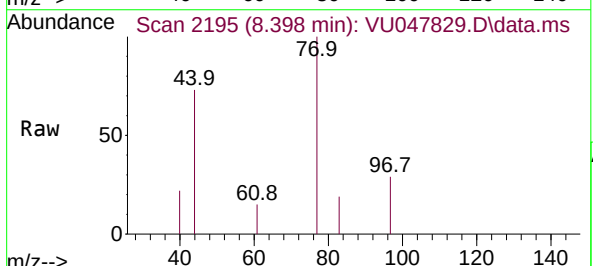
Ion Ratio Lower Upper

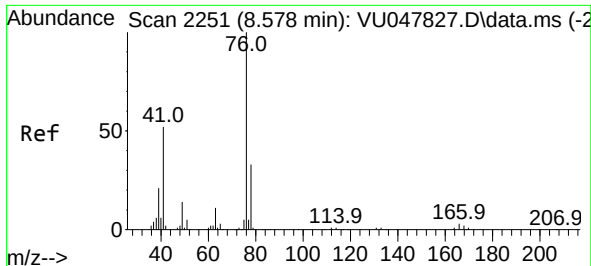
97 100

83 66.1 68.8 103.2#

85 0.0 44.2 66.4#

99 0.0 49.7 74.5#





#53

1,3-Dichloropropane

Concen: 0.012 ug/l

RT: 8.574 min Scan# 218

Delta R.T. -0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

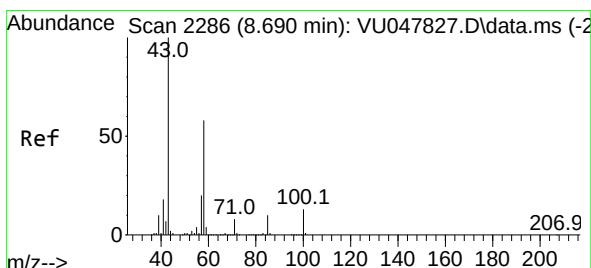
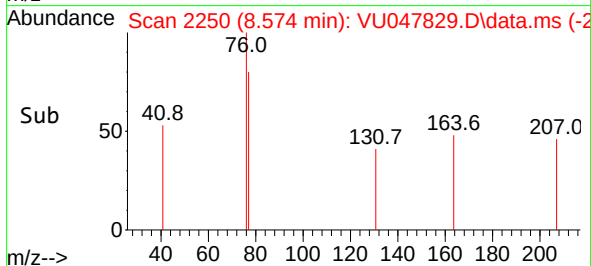
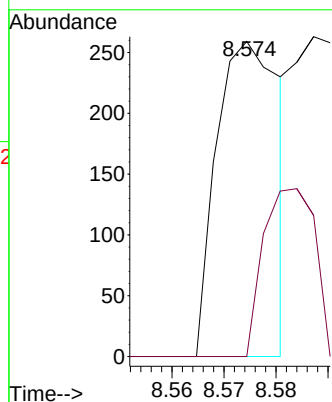
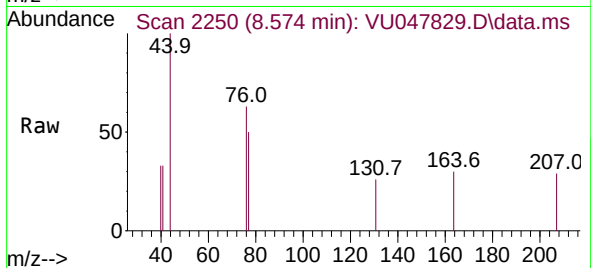
VIBLK

Tgt Ion: 76 Resp: 218

Ion Ratio Lower Upper

76 100

78 52.3 26.1 39.1#



#54

2-Hexanone

Concen: 0.761 ug/l

RT: 8.697 min Scan# 2288

Delta R.T. 0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

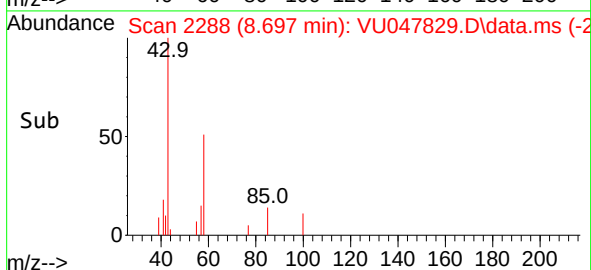
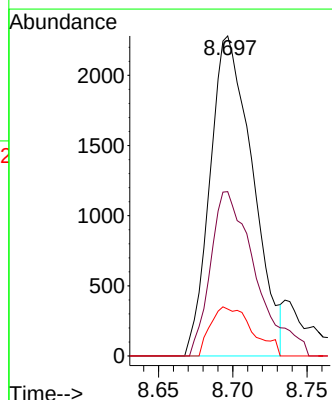
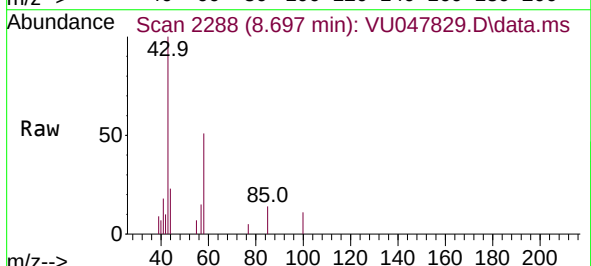
Tgt Ion: 43 Resp: 4545

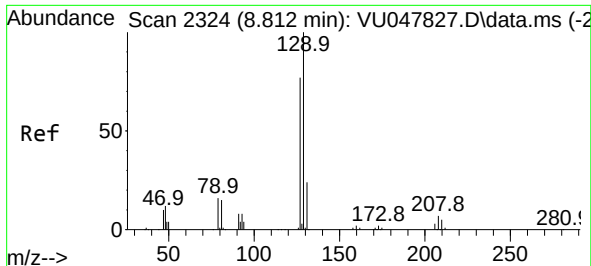
Ion Ratio Lower Upper

43 100

58 54.3 37.9 77.9

57 15.1 0.0 39.5





#55

Dibromochloromethane

Concen: 0.023 ug/l

RT: 8.819 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

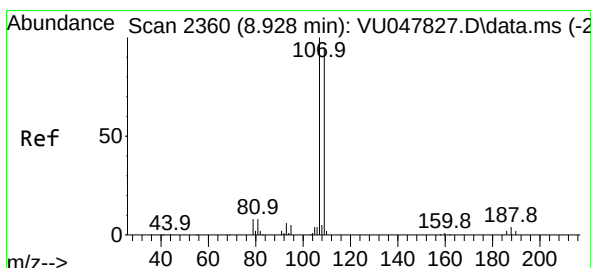
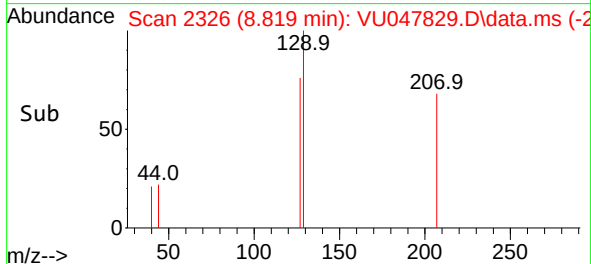
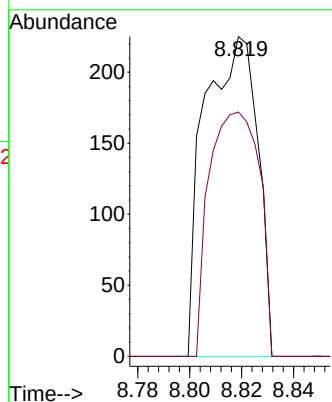
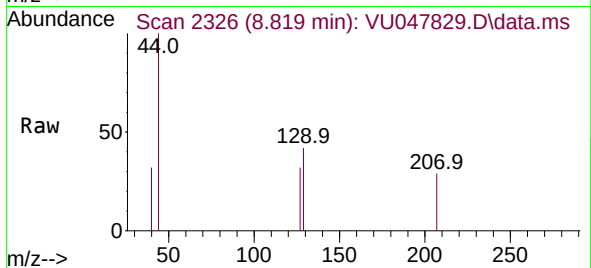
VIBLK

Tgt Ion:129 Resp: 318

Ion Ratio Lower Upper

129 100

127 72.3 61.8 92.8



#56

1,2-Dibromoethane

Concen: 0.027 ug/l

RT: 8.931 min Scan# 2361

Delta R.T. 0.003 min

Lab File: VU047829.D

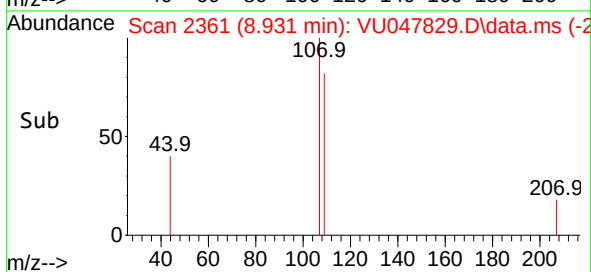
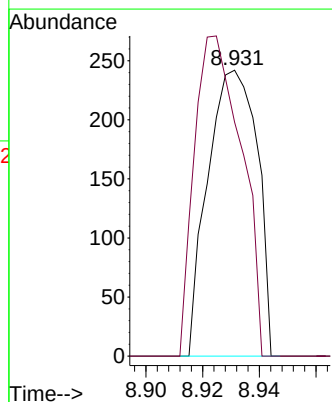
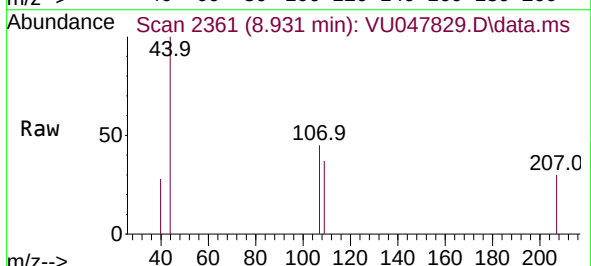
Acq: 06 Apr 2022 13:54

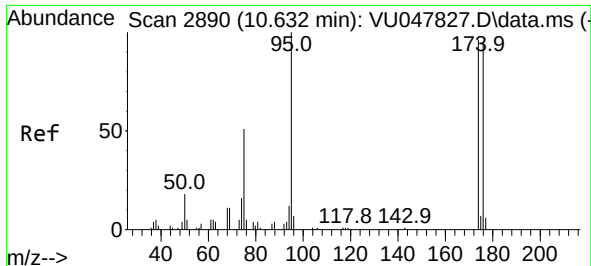
Tgt Ion:107 Resp: 292

Ion Ratio Lower Upper

107 100

109 106.5 0.0 186.8

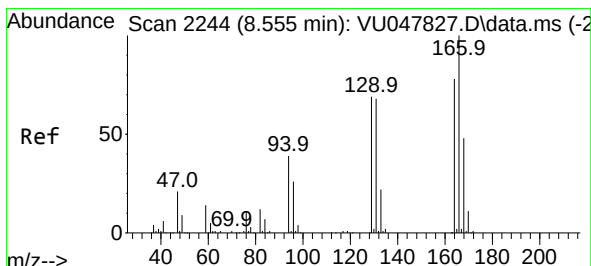
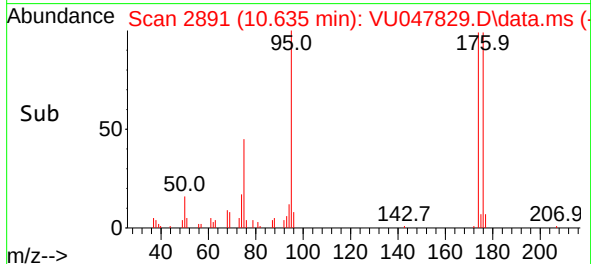
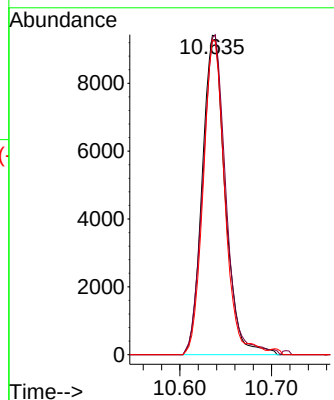
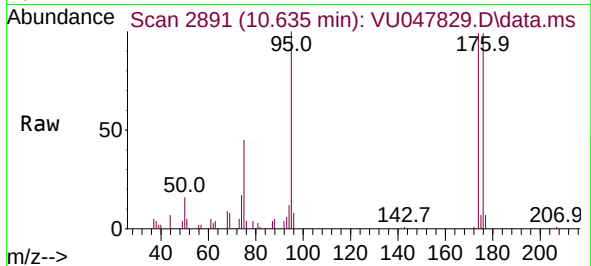




#57
4-Bromofluorobenzene
Concen: 0.898 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

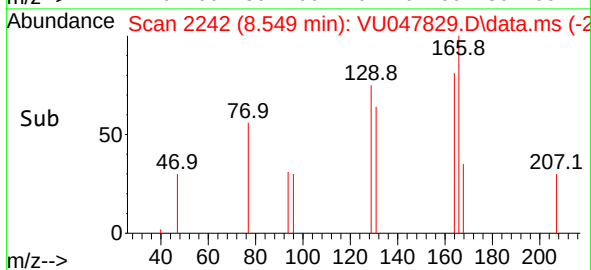
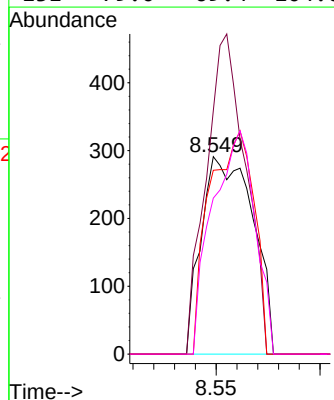
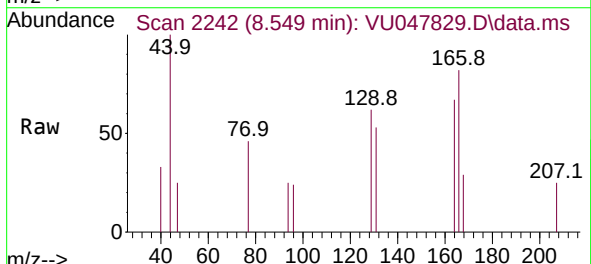
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

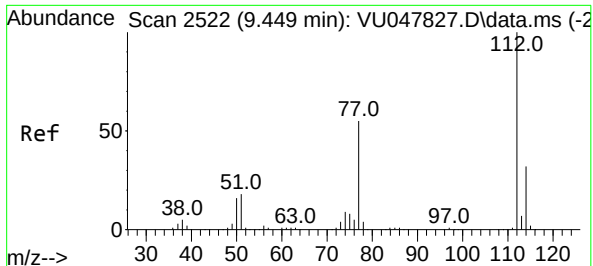
Tgt Ion: 95 Resp: 16300
Ion Ratio Lower Upper
95 100
174 100.8 76.9 115.3
176 93.2 76.4 114.6



#58
Tetrachloroethene
Concen: 0.035 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 164 Resp: 503
Ion Ratio Lower Upper
164 100
166 123.4 102.6 154.0
129 93.1 71.1 106.7
131 79.0 69.4 104.0





#59

Chlorobenzene

Concen: 0.038 ug/l

RT: 9.452 min Scan# 21492

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

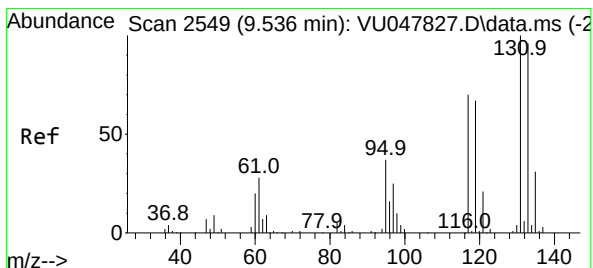
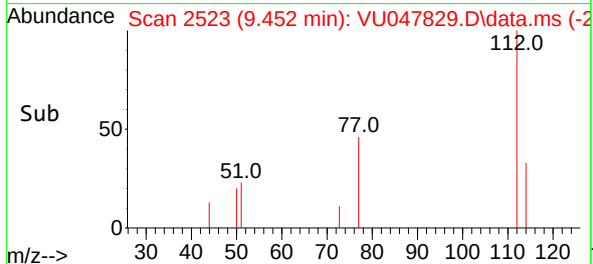
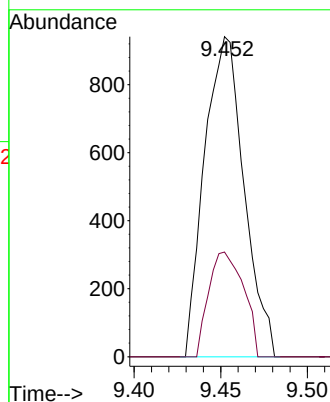
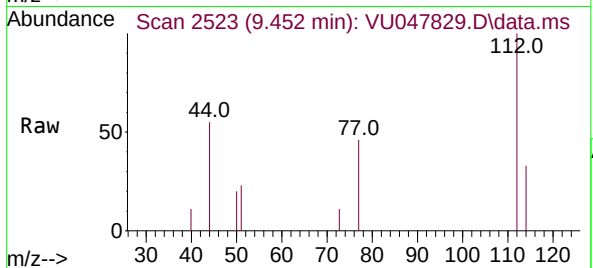
VIBLK

Tgt Ion:112 Resp: 1492

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3



#60

1,1,1,2-Tetrachloroethane

Concen: 0.015 ug/l

RT: 9.539 min Scan# 2550

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

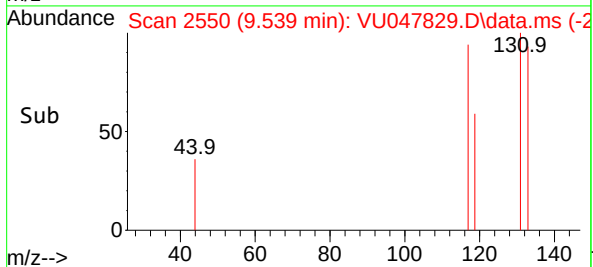
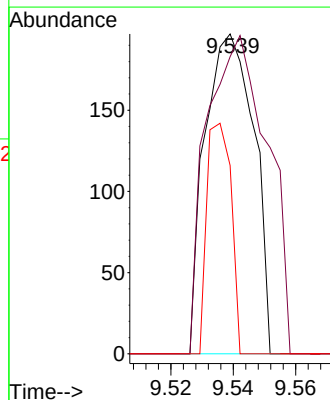
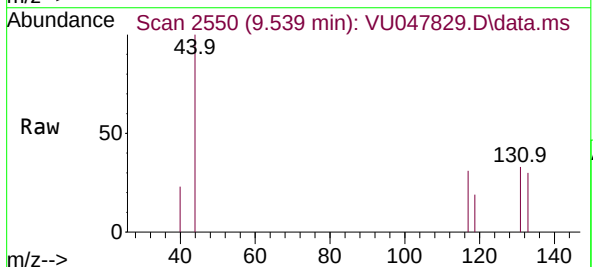
Tgt Ion:131 Resp: 214

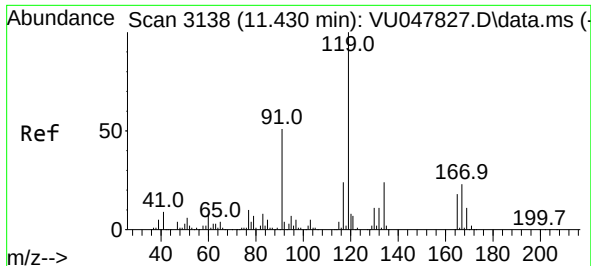
Ion Ratio Lower Upper

131 100

133 123.4 76.6 115.0#

119 35.5 53.1 79.7#

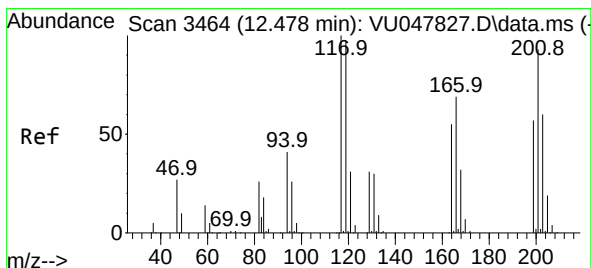
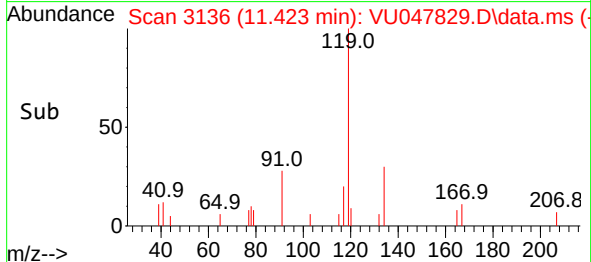
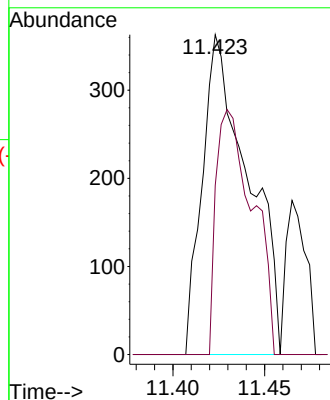
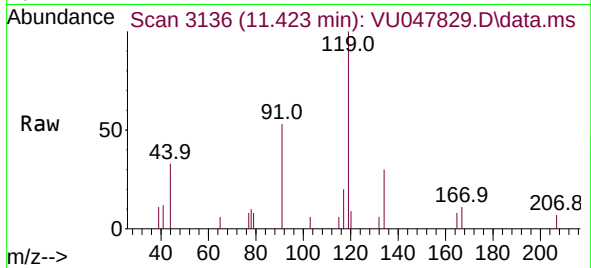




#61
 Pentachloroethane
 Concen: 0.054 ug/l
 RT: 11.423 min Scan# 3138
 Delta R.T. -0.006 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

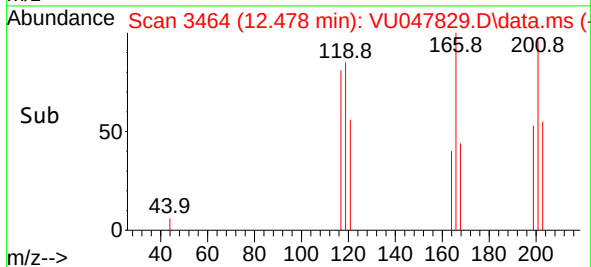
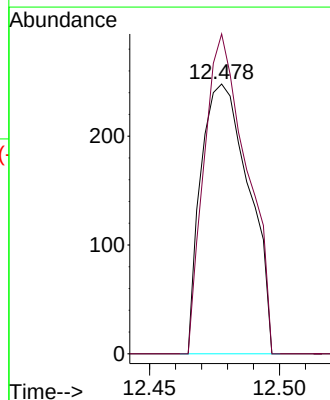
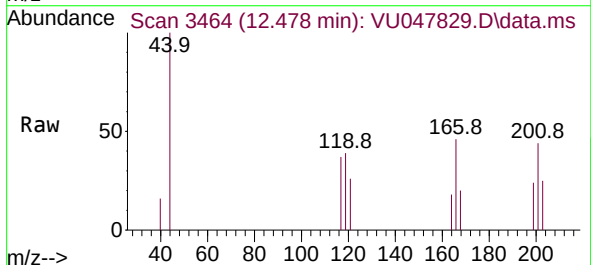
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

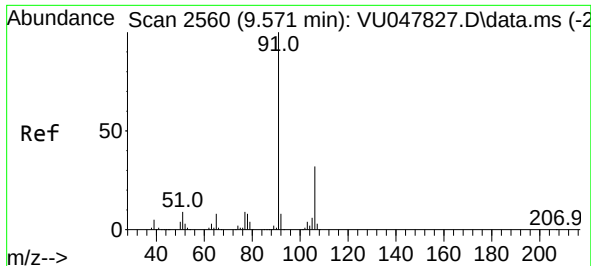
Tgt Ion:117 Resp: 631
 Ion Ratio Lower Upper
 117 100
 167 61.2 71.0 106.4#



#62
 Hexachloroethane
 Concen: 0.030 ug/l
 RT: 12.478 min Scan# 3464
 Delta R.T. -0.000 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

Tgt Ion:117 Resp: 319
 Ion Ratio Lower Upper
 117 100
 201 105.3 74.8 112.2





#63

Ethyl Benzene

Concen: 0.033 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

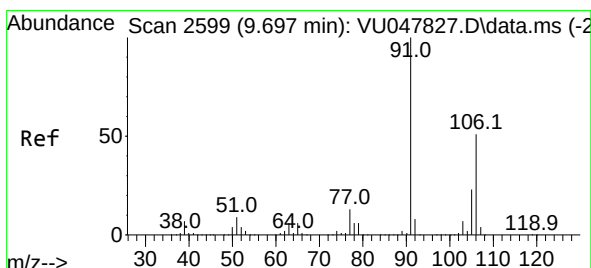
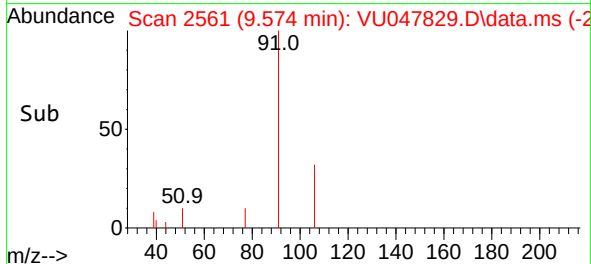
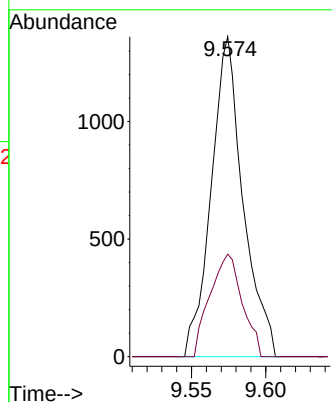
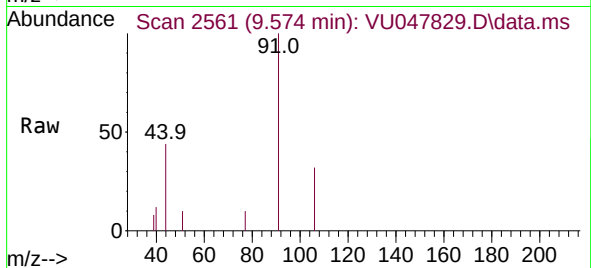
VIBLK

Tgt Ion: 91 Resp: 2028

Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0



#64

m/p-Xylenes

Concen: 0.056 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. 0.003 min

Lab File: VU047829.D

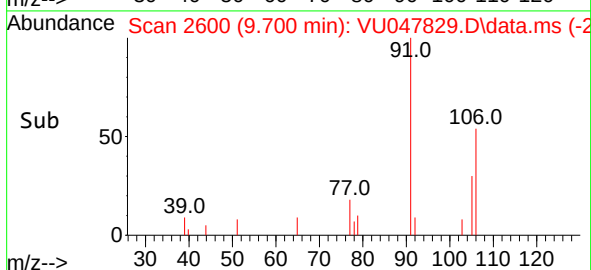
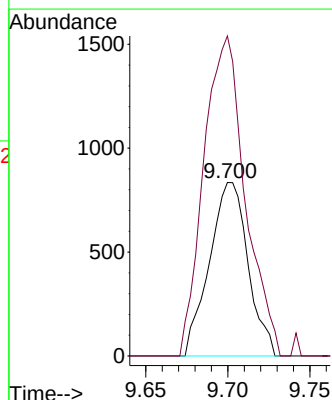
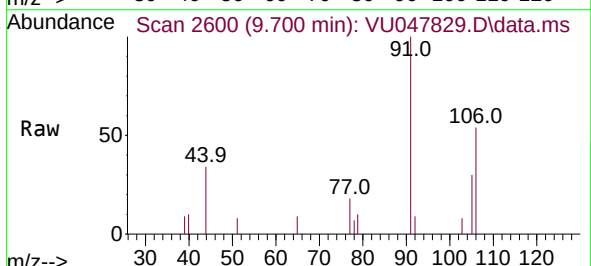
Acq: 06 Apr 2022 13:54

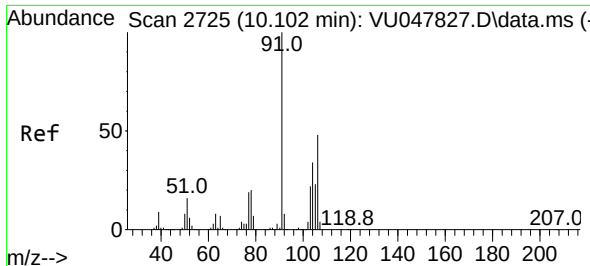
Tgt Ion: 106 Resp: 1364

Ion Ratio Lower Upper

106 100

91 198.1 158.2 237.4

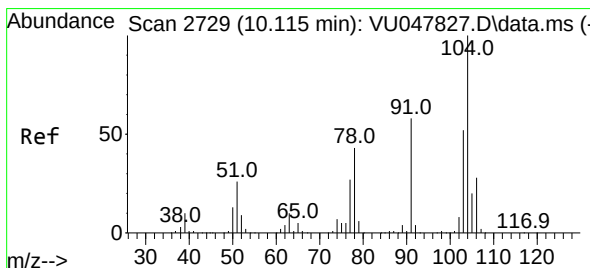
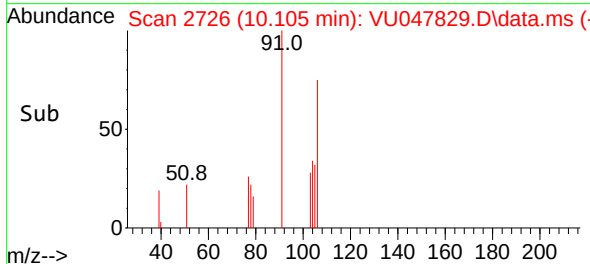
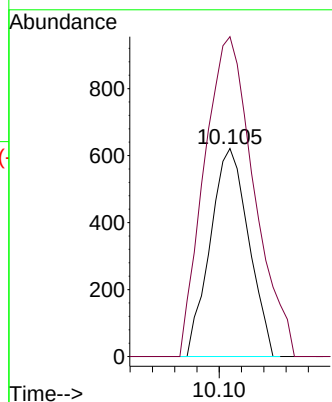
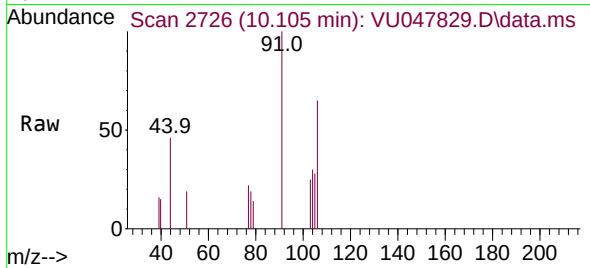




#65
o-Xylene
Concen: 0.032 ug/l
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

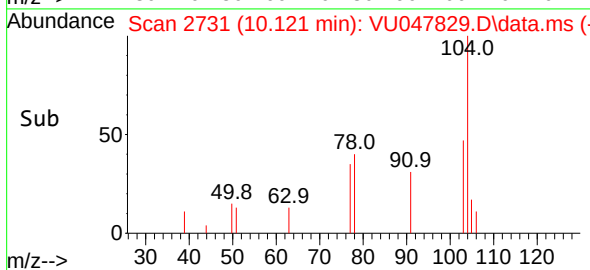
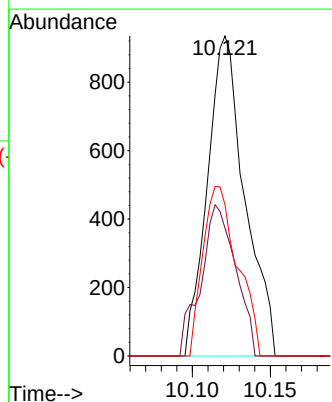
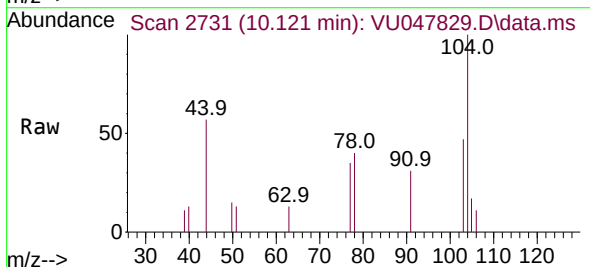
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

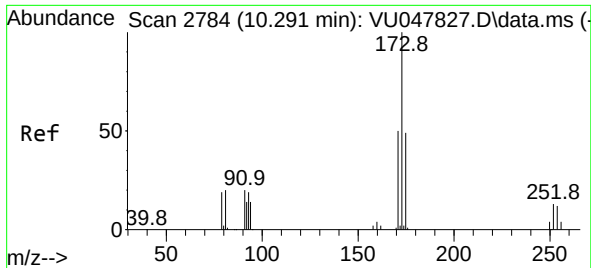
Tgt Ion:106 Resp: 743
Ion Ratio Lower Upper
106 100
91 199.1 105.4 316.2



#66
Styrene
Concen: 0.040 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:104 Resp: 1559
Ion Ratio Lower Upper
104 100
78 44.1 37.1 55.7
103 49.1 44.1 66.1

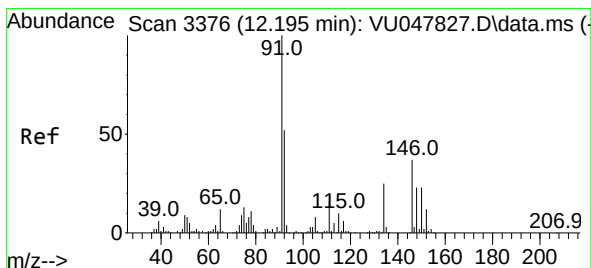
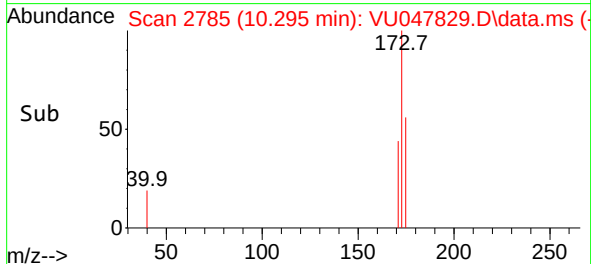
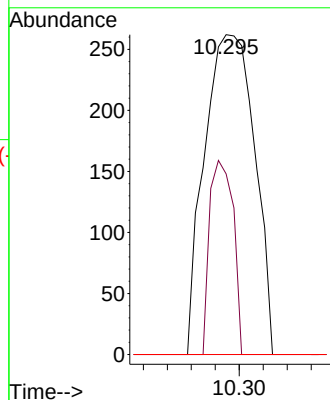
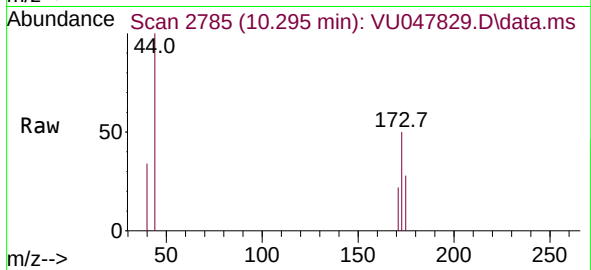




#67
Bromoform
Concen: 0.044 ug/l
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

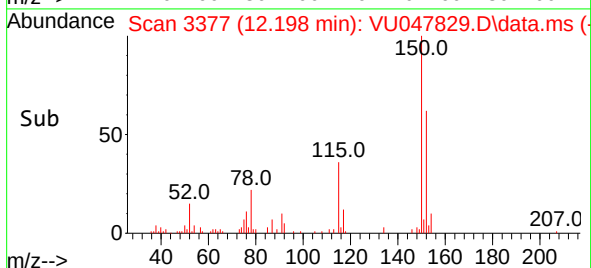
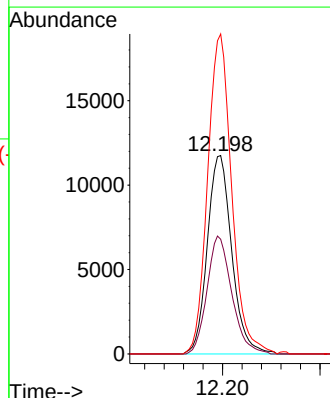
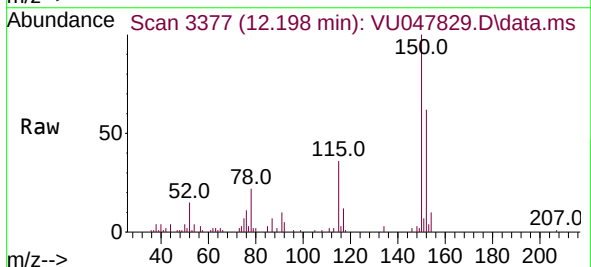
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

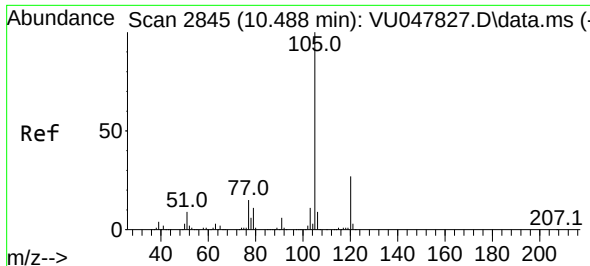
Tgt Ion:173 Resp: 380
Ion Ratio Lower Upper
173 100
175 28.7 39.0 58.4#
254 0.0 9.4 14.2#



#68
1,2-Dichlorobenzene-d4
Concen: 0.936 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:152 Resp: 20498
Ion Ratio Lower Upper
152 100
115 60.0 0.0 255.8
150 158.5 0.0 659.8

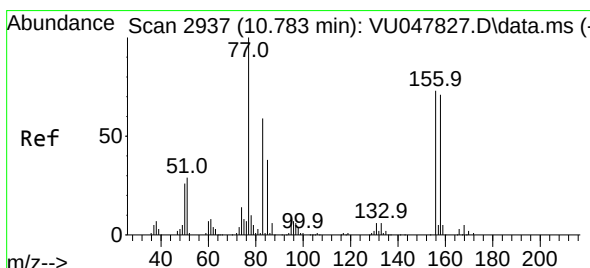
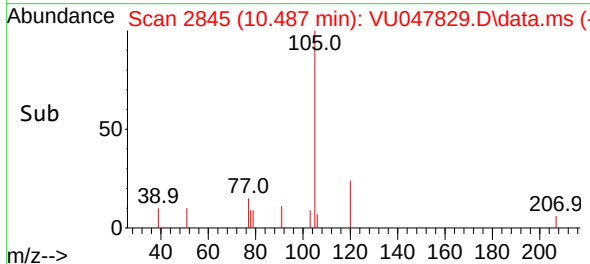
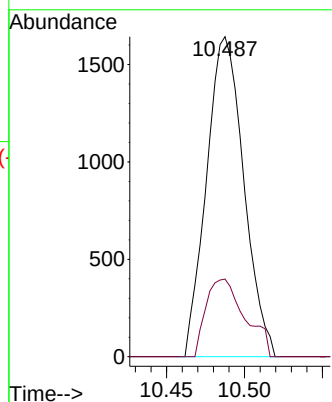
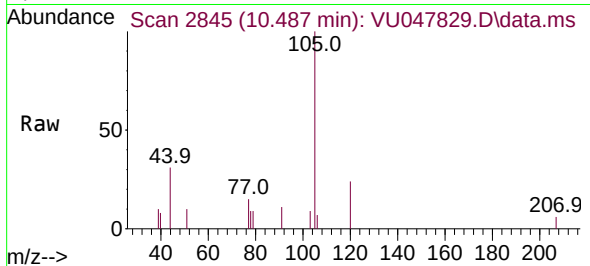




#69
Isopropylbenzene
Concen: 0.045 ug/l
RT: 10.487 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

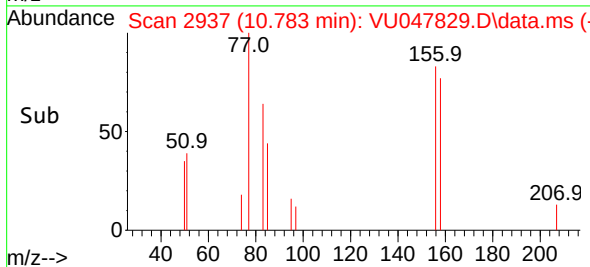
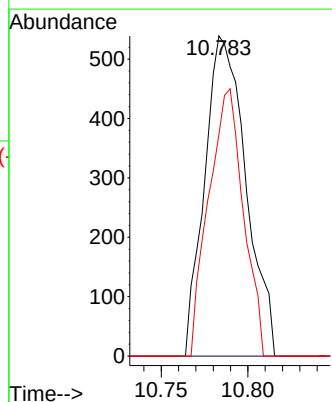
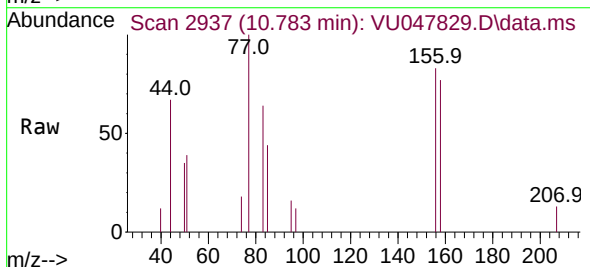
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

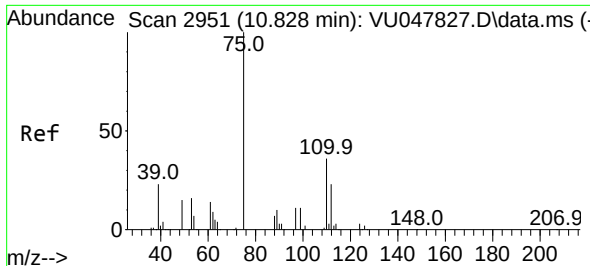
Tgt Ion:105 Resp: 2732
Ion Ratio Lower Upper
105 100
120 25.3 13.6 40.8



#70
1,1,2,2-Tetrachloroethane
Concen: 0.060 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion: 83 Resp: 892
Ion Ratio Lower Upper
83 100
131 0.0 8.2 12.4#
85 70.1 52.6 79.0

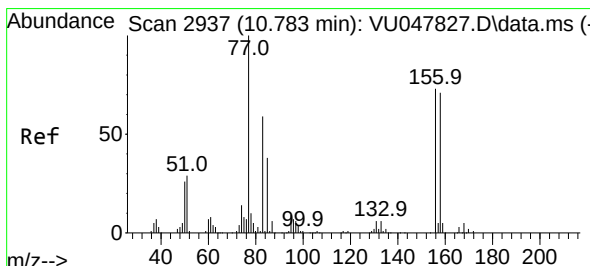
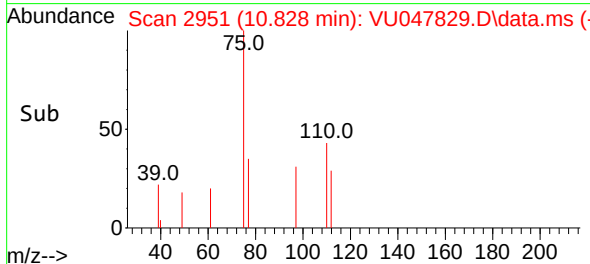
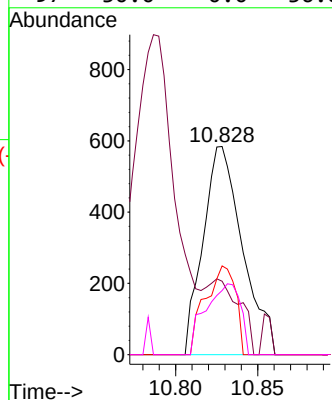
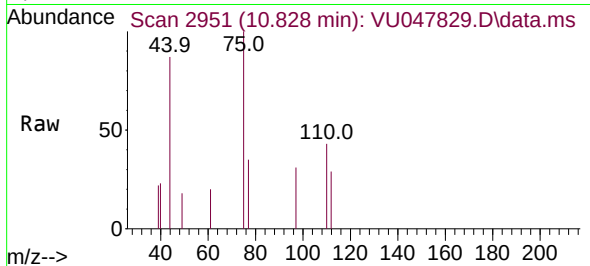




#71
1,2,3-Trichloropropane
Concen: 0.087 ug/l
RT: 10.828 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

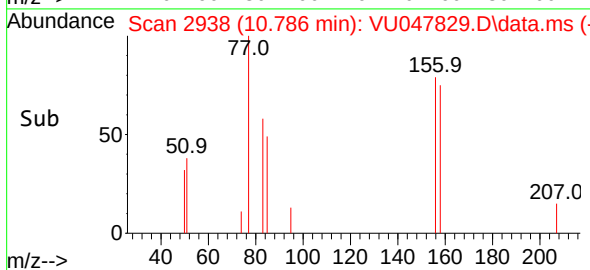
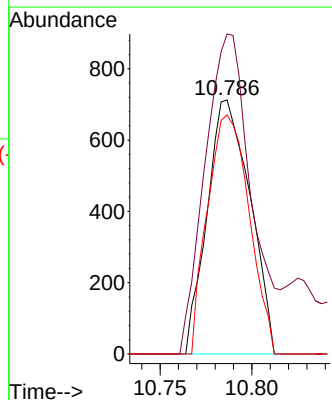
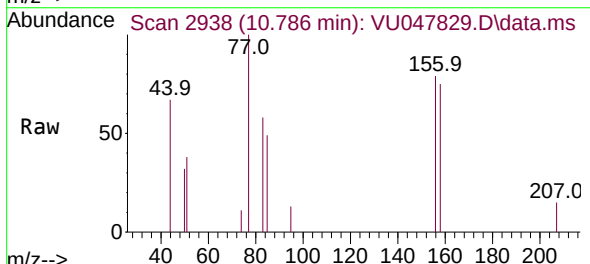
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

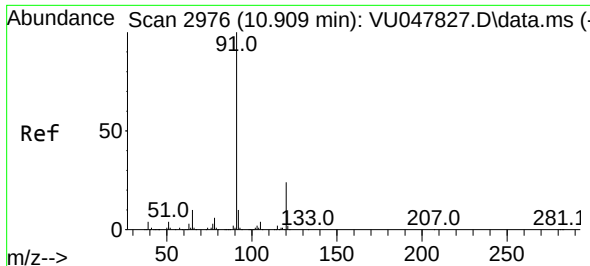
Tgt Ion: 75	Resp: 976
Ion Ratio	Lower Upper
75 100	
77 15.9	0.0 92.6
110 32.8	0.0 68.2
97 30.0	0.0 36.8



#72
Bromobenzene
Concen: 0.063 ug/l
RT: 10.786 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:156	Resp:	1159	
Ion	Ratio	Lower	Upper
156	100		
77	137.0	0.0	273.4
158	91.3	0.0	193.6

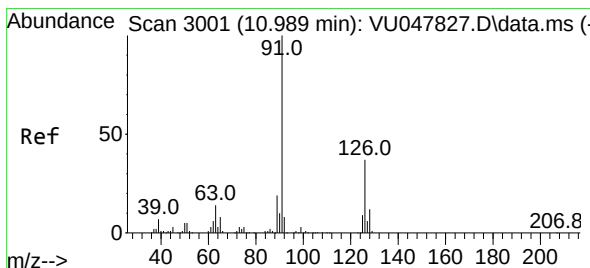
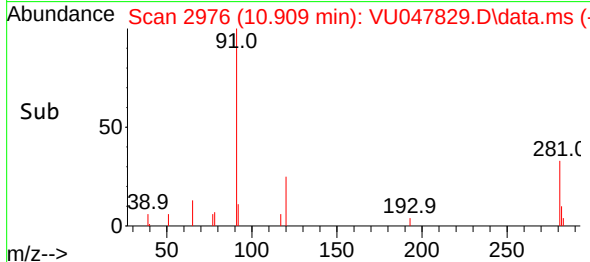
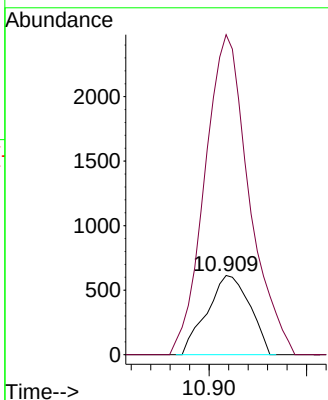
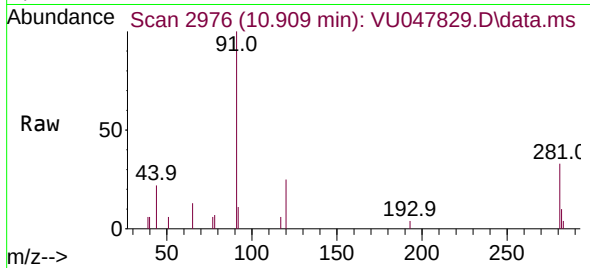




#73
n-propylbenzene
Concen: 0.054 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

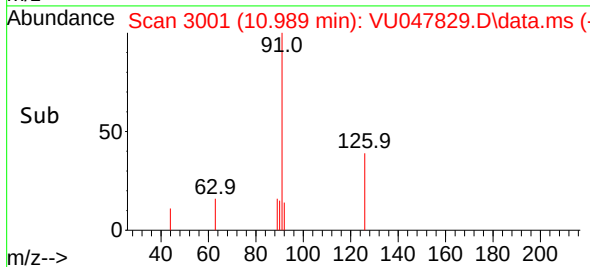
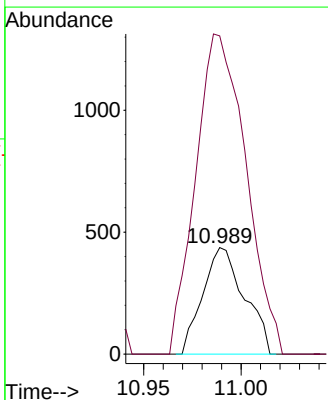
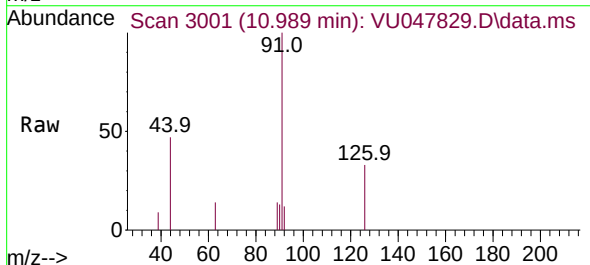
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

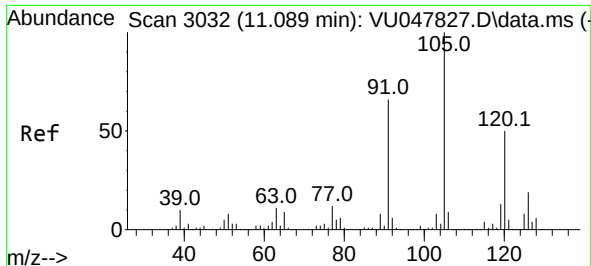
Tgt Ion:120 Resp: 937
Ion Ratio Lower Upper
120 100
91 417.6 333.7 500.5



#74
2-Chlorotoluene
Concen: 0.040 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:126 Resp: 650
Ion Ratio Lower Upper
126 100
91 362.5 0.0 554.6

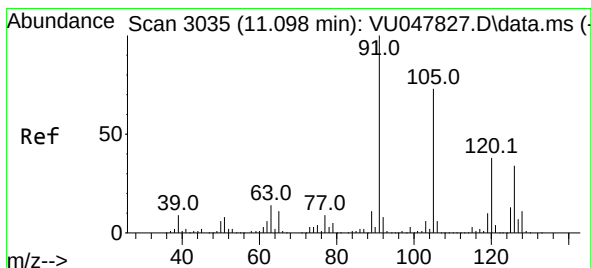
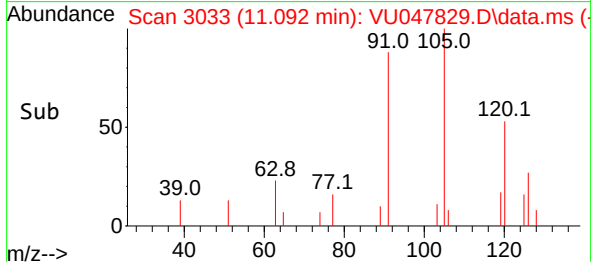
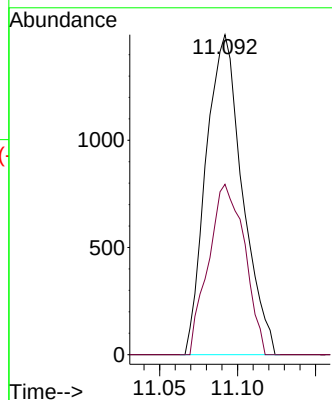
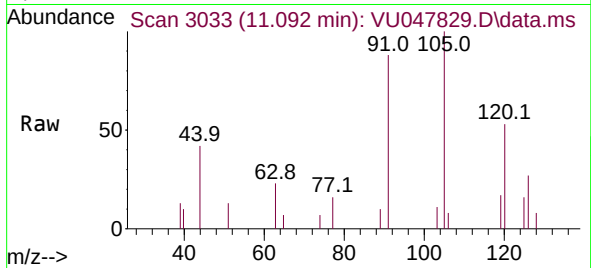




#75
1,3,5-Trimethylbenzene
Concen: 0.047 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

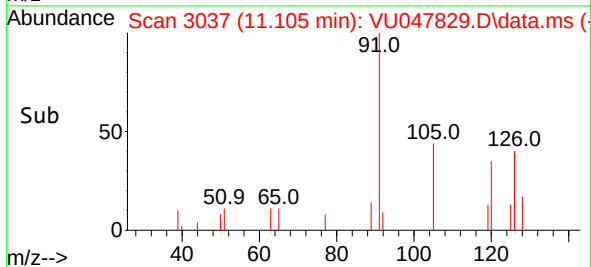
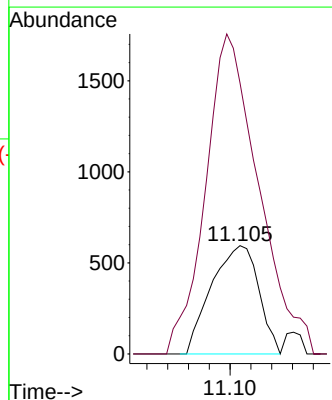
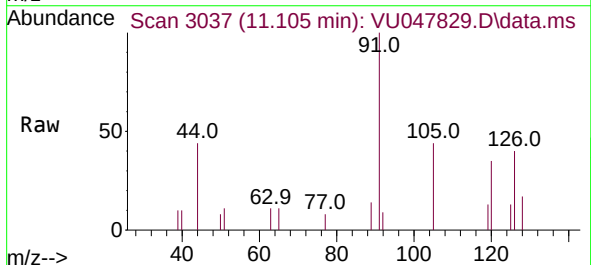
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

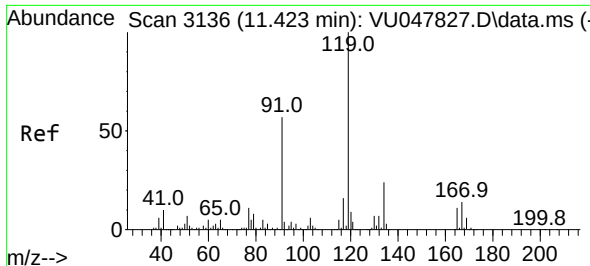
Tgt Ion:105 Resp: 2415
Ion Ratio Lower Upper
105 100
120 52.8 40.6 61.0



#76
4-Chlorotoluene
Concen: 0.054 ug/l
RT: 11.105 min Scan# 3037
Delta R.T. 0.006 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:126 Resp: 937
Ion Ratio Lower Upper
126 100
91 331.8 0.0 616.4

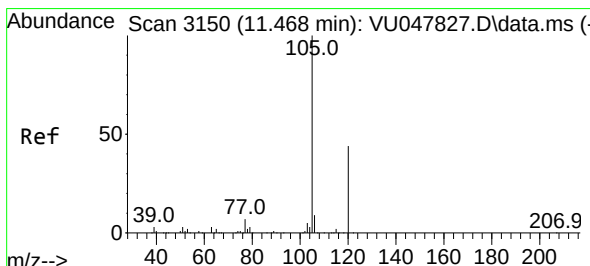
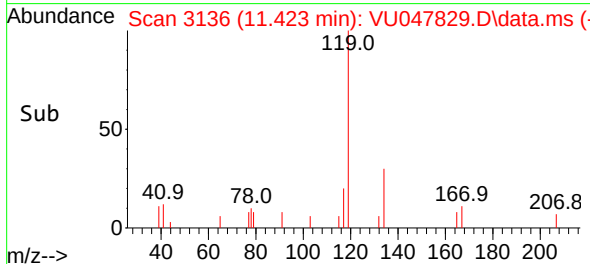
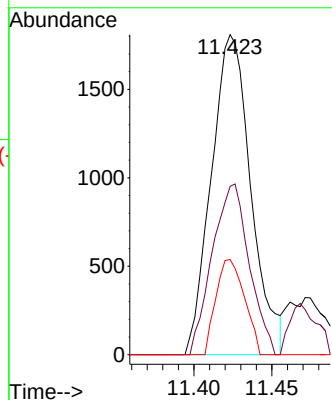
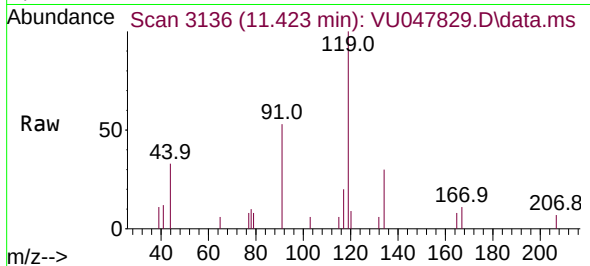




#77
 tert-Butylbenzene
 Concen: 0.061 ug/l
 RT: 11.423 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

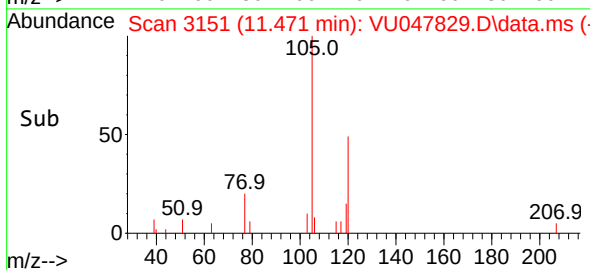
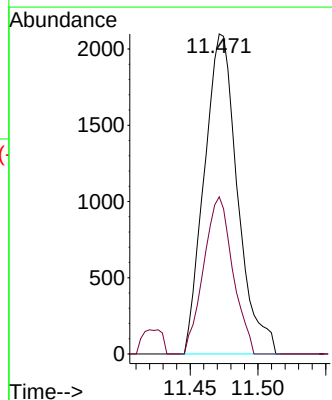
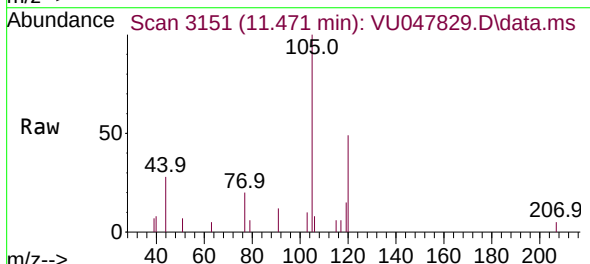
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

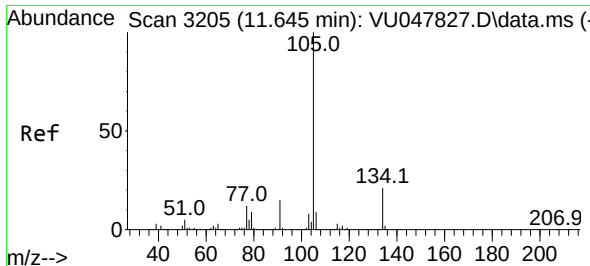
Tgt Ion:	119	Resp:	3193
Ion	Ratio	Lower	Upper
119	100		
91	49.8	27.3	81.9
134	21.4	19.0	28.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.068 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

Tgt Ion:	105	Resp:	3579
Ion	Ratio	Lower	Upper
105	100		
120	43.0	23.8	71.5

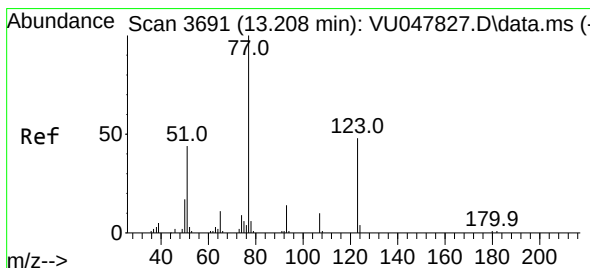
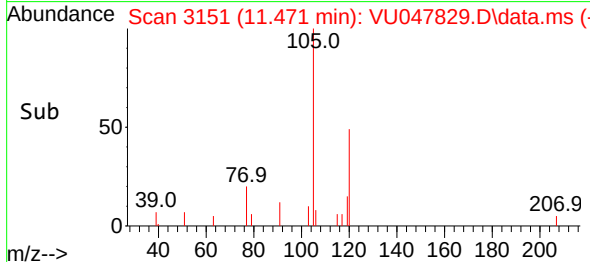
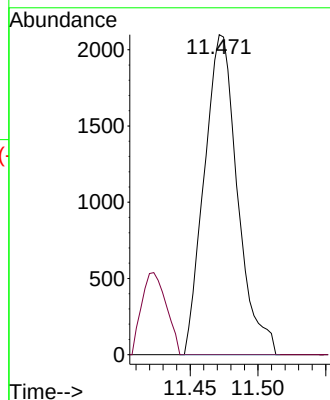
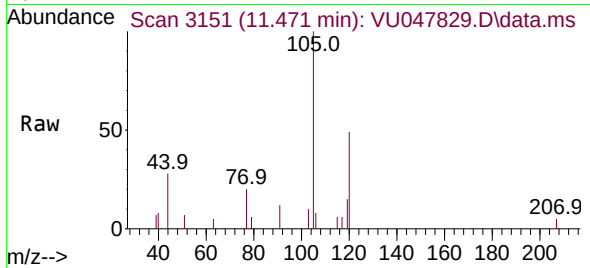




#79
 sec-Butylbenzene
 Concen: 0.052 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. -0.174 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

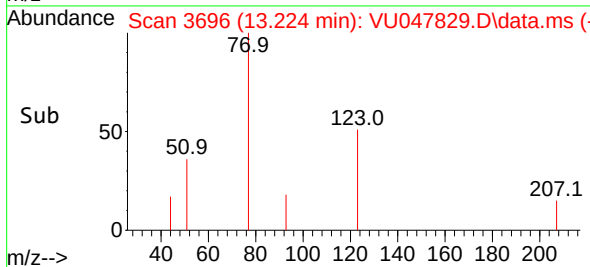
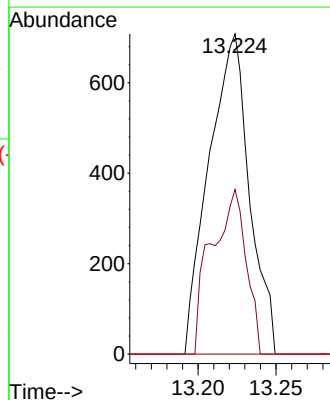
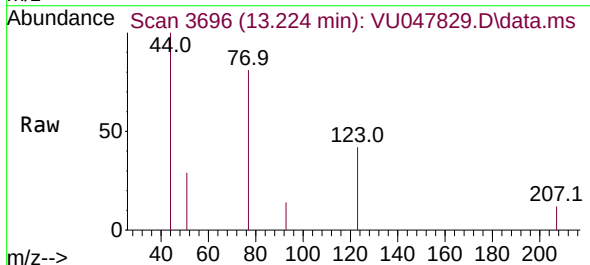
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

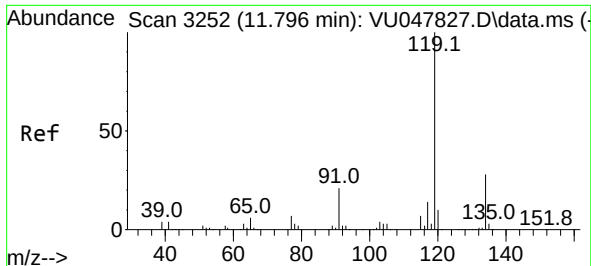
Tgt Ion:105 Resp: 3579
 Ion Ratio Lower Upper
 105 100
 134 19.1 16.7 25.1



#80
 Nitrobenzene
 Concen: 2.287 ug/l
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.016 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

Tgt Ion: 77 Resp: 1279
 Ion Ratio Lower Upper
 77 100
 123 44.0 20.6 73.0
 65 0.0 10.4 13.2#

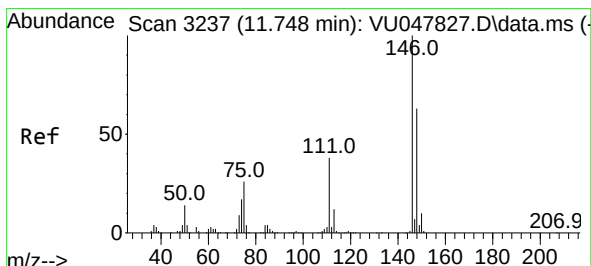
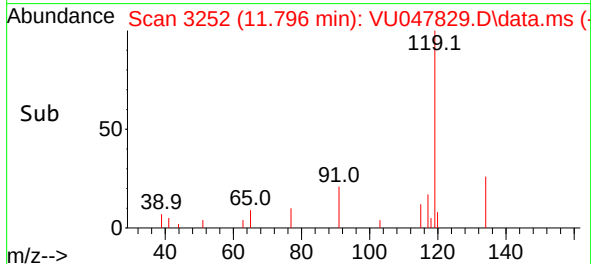
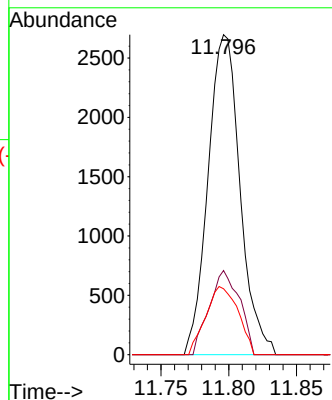
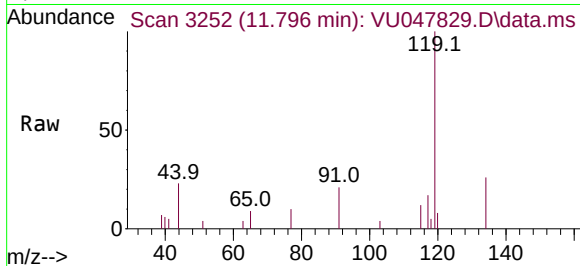




#81
p-Isopropyltoluene
Concen: 0.077 ug/l
RT: 11.796 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

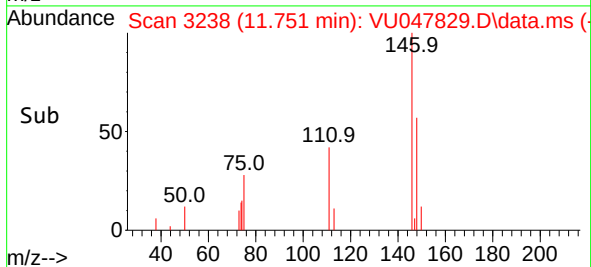
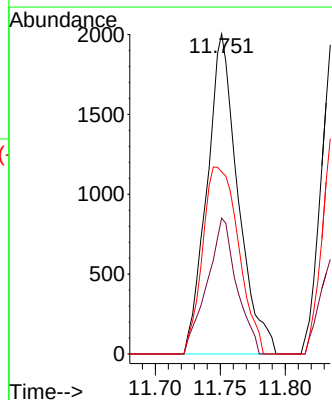
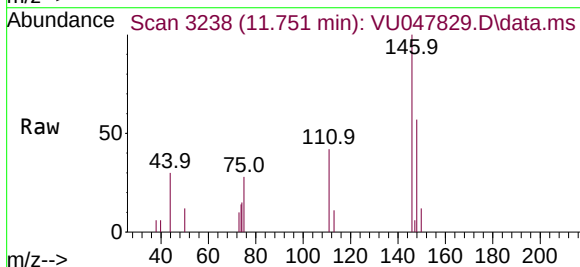
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

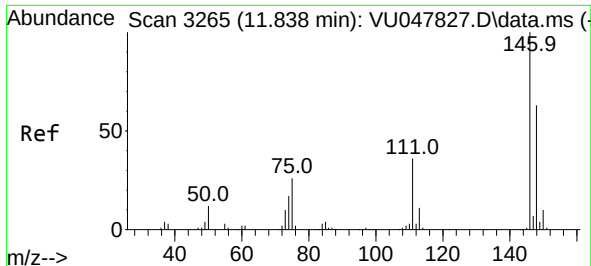
Tgt Ion:119 Resp: 4425
Ion Ratio Lower Upper
119 100
134 24.9 21.8 32.8
91 21.5 17.4 26.2



#82
1,3-Dichlorobenzene
Concen: 0.090 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:146 Resp: 3319
Ion Ratio Lower Upper
146 100
111 40.6 30.2 45.2
148 68.0 50.6 76.0





#83

1,4-Dichlorobenzene

Concen: 0.104 ug/l

RT: 11.841 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

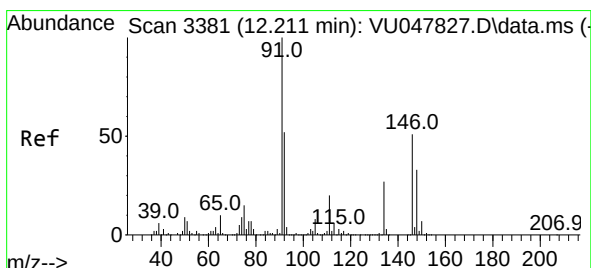
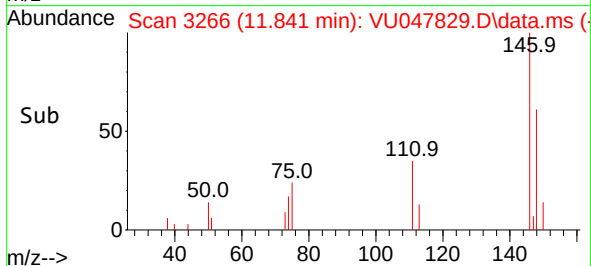
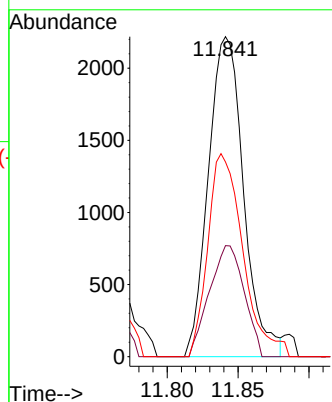
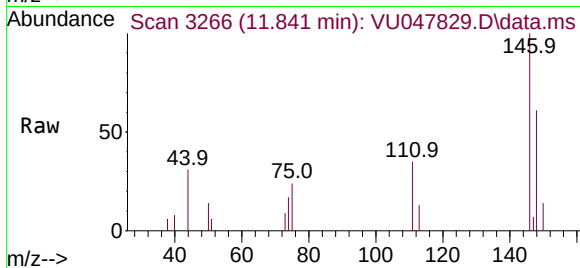
Tgt Ion:146 Resp: 3835

Ion Ratio Lower Upper

146 100

111 34.2 28.7 43.1

148 63.2 50.8 76.2



#84

n-Butylbenzene

Concen: 0.156 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.003 min

Lab File: VU047829.D

Acq: 06 Apr 2022 13:54

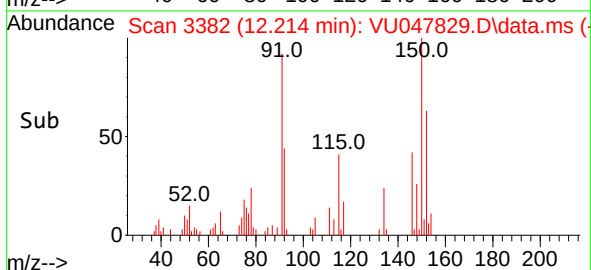
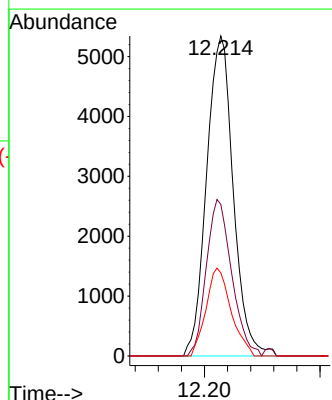
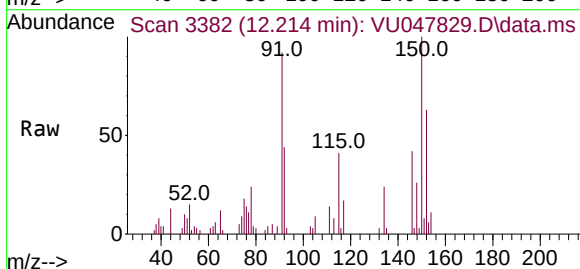
Tgt Ion: 91 Resp: 8567

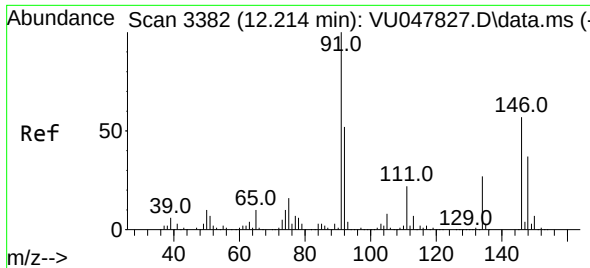
Ion Ratio Lower Upper

91 100

92 46.4 41.8 62.6

134 25.7 21.4 32.2

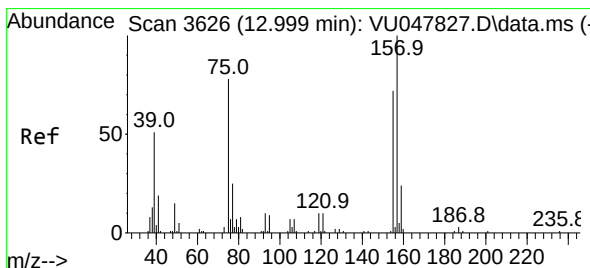
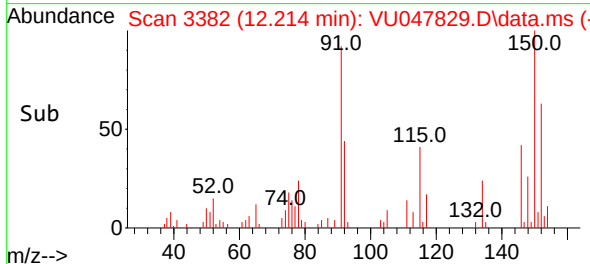
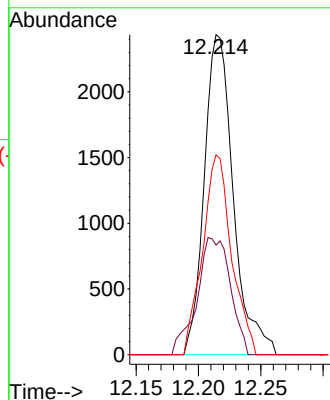
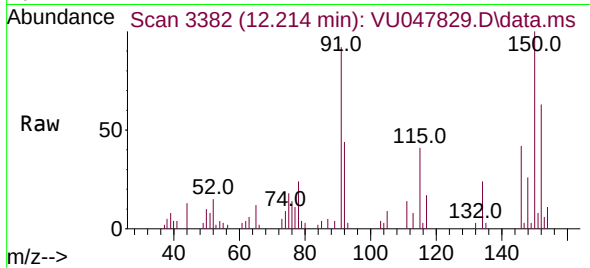




#85
 1,2-Dichlorobenzene
 Concen: 0.114 ug/l
 RT: 12.214 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

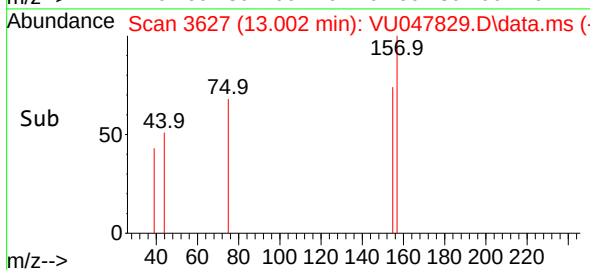
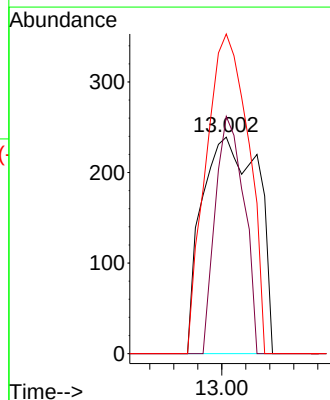
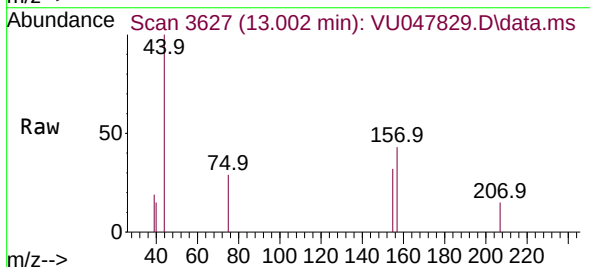
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

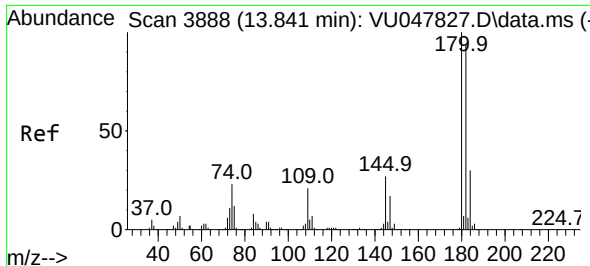
Tgt Ion:146 Resp: 3958
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.4 58.2
 148 62.1 32.3 96.8



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.165 ug/l
 RT: 13.002 min Scan# 3627
 Delta R.T. 0.003 min
 Lab File: VU047829.D
 Acq: 06 Apr 2022 13:54

Tgt Ion: 75 Resp: 387
 Ion Ratio Lower Upper
 75 100
 155 56.1 76.2 114.2#
 157 112.4 99.1 148.7

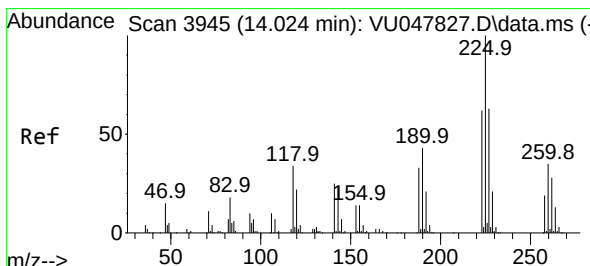
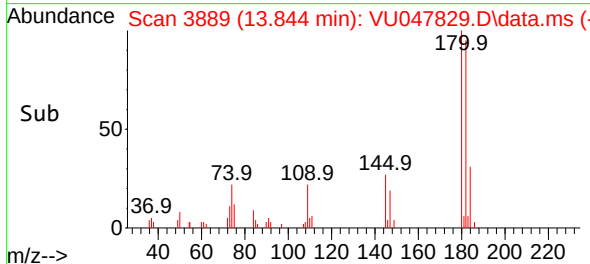
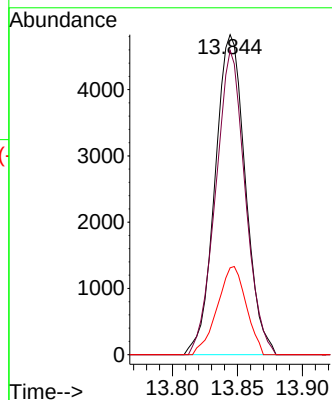
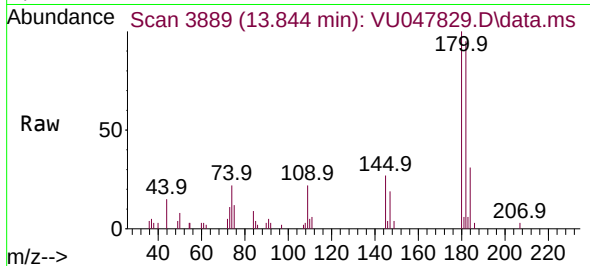




#87
1,2,4-Trichlorobenzene
Concen: 0.309 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

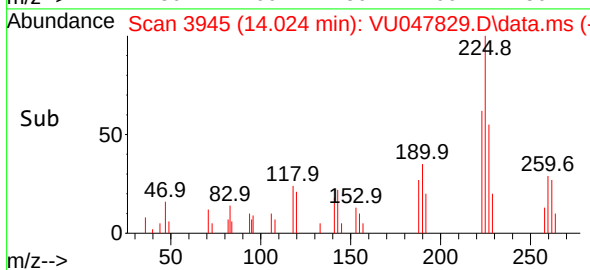
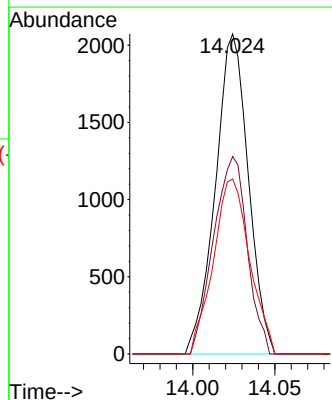
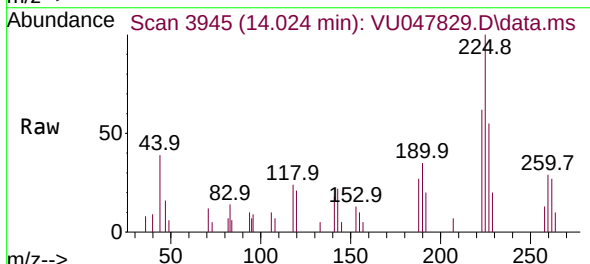
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

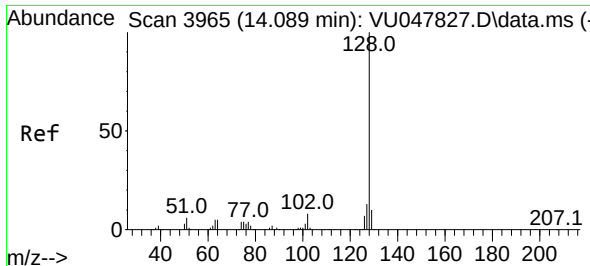
Tgt Ion:180 Resp: 7825
Ion Ratio Lower Upper
180 100
182 92.5 75.8 113.6
145 26.3 21.7 32.5



#88
Hexachlorobutadiene
Concen: 0.193 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. -0.000 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:225 Resp: 2894
Ion Ratio Lower Upper
225 100
223 63.0 50.0 75.0
227 60.1 51.0 76.6

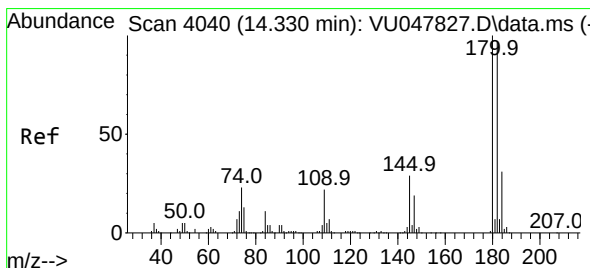
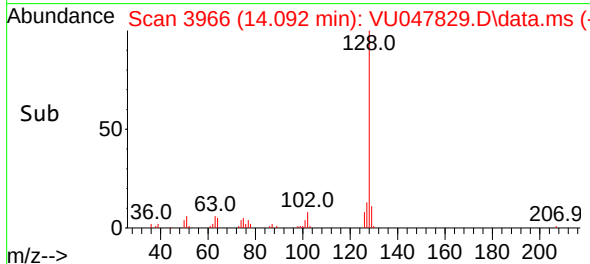
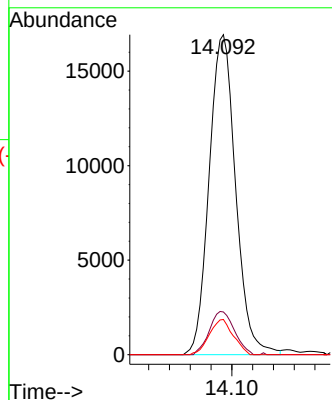
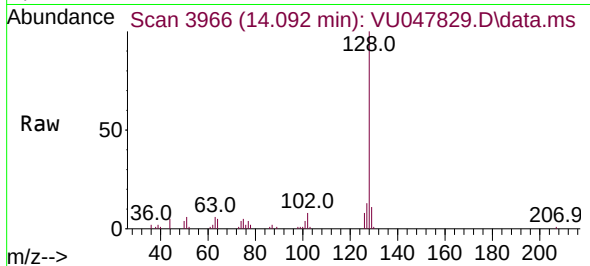




#89
Naphthalene
Concen: 1.107 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion:128	Resp:	29960
Ion Ratio	Lower	Upper
128	100	
127	12.8	10.2 15.4
129	9.9	8.6 12.8



#90
1,2,3-Trichlorobenzene
Concen: 0.414 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU047829.D
Acq: 06 Apr 2022 13:54

Tgt Ion:180	Resp:	9719
Ion Ratio	Lower	Upper
180	100	
182	88.3	77.2 115.8
145	29.0	23.3 34.9

